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

# DATA PACKAGE

## VOLATILE ORGANICS

**PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13**

**TETRA TECH NUS, INC.**

**661 Andersen Drive**

**Suite 200**

**Pittsburgh, PA - 15220-2745**

**Phone No: 412-921-7090**

**ORDER ID : Q3371**

**ATTENTION : Ernie Wu**

**Laboratory Certification ID # 20012**

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# Cover Page

**Order ID :** Q3371

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

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

| Lab Sample Number | Client Sample Number |
|---|---|
| Q3371-01 | BP-VPB-184-TB-20251010 |
| Q3371-02 | BP-VPB-184-EB-20251016 |
| Q3371-03 | VPB184-HYD-20251010 |
| Q3371-04 | BP-VPB-184-GW-915-917 |
| Q3371-05 | BP-VPB-184-GW-920-922 |
| Q3371-06 | VPB184-HYD-20251016 |

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: 10/27/2025

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 # Q3371**
**Test Name: VOC-TCLVOA-10**

**A. Number of Samples and Date of Receipt:**
6 Water samples were received on 10/16/2025.
**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 VX048252.D met the requirements except for 4-Methyl-2-Pentanone is failing marginally low therefore no corrective action taken.

The Tuning criteria met requirements.

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

The not QT review data is reported in the Miscellaneous.

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**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 |

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

ORDER ID: Q3371 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>The Continuous Calibration File ID VX048252.D met the requirements except for 4-Methyl-2-Pentanone is failing marginally low therefore no corrective action taken. | | | ✓ |
| 6. | Blank Contamination - If yes, list compounds and concentrations in each blank: | | ✓ | |
| 7. | Surrogate Recoveries Meet Criteria<br>If not met, list those compounds and their recoveries which fall outside the acceptable ranges. | | | ✓ |
| 8. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria<br>If not met, list those compounds and their recoveries which fall outside the acceptable range. | | | ✓ |
| 9. | Internal Standard Area/Retention Time Shift Meet Criteria<br>Comments: | | | ✓ |
| 10. | Analysis Holding Time Met<br>If not met, list number of days exceeded for each sample: | | | ✓ |

ADDITIONAL COMMENTS:

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

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

NA NO YES

The not QT review data is reported in the Miscellaneous.

_____ _____

QA REVIEW Date

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## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** Q3371

| | 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:** 10/27/2025

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q3371 | **OrderDate:** | 10/16/2025 4:13:00 PM |
| **Client:** | Tetra Tech NUS, Inc. | **Project:** | NWIRP Bethpage 112G08005-WE13 |
| **Contact:** | Ernie Wu | **Location:** | D31,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q3371-01** | **BP-VPB-184-TB-20251010** | **Water** | | | **10/10/25** | | | **10/16/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 10/21/25 | |
| **Q3371-02** | **BP-VPB-184-EB-20251016** | **Water** | | | **10/16/25** | | | **10/16/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 10/21/25 | |
| **Q3371-03** | **VPB184-HYD-20251010** | **Water** | | | **10/10/25** | | | **10/16/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 10/21/25 | |
| **Q3371-04** | **BP-VPB-184-GW-915-917** | **Water** | | | **10/15/25** | | | **10/16/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 10/20/25 | |
| **Q3371-05** | **BP-VPB-184-GW-920-922** | **Water** | | | **10/15/25** | | | **10/16/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 10/20/25 | |
| **Q3371-06** | **VPB184-HYD-20251016** | **Water** | | | **10/16/25** | | | **10/16/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 10/21/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q3371

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

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **BP-VPB-184-EB-20251016** | | | | | | | | |
| Q3371-02 | BP-VPB-184-EB-2( | Water | Acetone | 6.80 | | 1.50 | 3.80 | 5.00 | ug/L |
| | | | **Total Voc :** | 6.80 | | | | | |
| | | | **Total Concentration:** | 6.80 | | | | | |
| **Client ID:** | **BP-VPB-184-GW-915-917** | | | | | | | | |
| Q3371-04 | BP-VPB-184-GW-9 | Water | Acetone | 64.0 | | 1.50 | 3.80 | 5.00 | ug/L |
| Q3371-04 | BP-VPB-184-GW-9 | Water | Carbon Disulfide | 0.36 | J | 0.21 | 0.75 | 1.00 | ug/L |
| Q3371-04 | BP-VPB-184-GW-9 | Water | 2-Butanone | 12.5 | | 0.98 | 2.50 | 5.00 | ug/L |
| | | | **Total Voc :** | 76.9 | | | | | |
| | | | **Total Concentration:** | 76.9 | | | | | |

# QC SUMMARY

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## Surrogate Summary

**SDG No.:** Q3371

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

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | Recovery (%) | Qual | Limits (%) Low | High |
|---|---|---|---|---|---|---|---|---|
| Q3371-01 | BP-VPB-184-TB-20251010 | 1,2-Dichloroethane-d4 | 50 | 52.4 | 105 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.8 | 94 | | 80 | 119 |
| | | Toluene-d8 | 50 | 45.6 | 91 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 53.0 | 106 | | 85 | 114 |
| Q3371-02 | BP-VPB-184-EB-20251016 | 1,2-Dichloroethane-d4 | 50 | 54.7 | 109 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.5 | 99 | | 80 | 119 |
| | | Toluene-d8 | 50 | 47.2 | 94 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 55.2 | 110 | | 85 | 114 |
| Q3371-03 | VPB184-HYD-20251010 | 1,2-Dichloroethane-d4 | 50 | 48.4 | 97 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.4 | 93 | | 80 | 119 |
| | | Toluene-d8 | 50 | 44.9 | 90 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 50.7 | 101 | | 85 | 114 |
| Q3371-04 | BP-VPB-184-GW-915-917 | 1,2-Dichloroethane-d4 | 50 | 51.0 | 102 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.4 | 97 | | 80 | 119 |
| | | Toluene-d8 | 50 | 47.1 | 94 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 45.0 | 90 | | 85 | 114 |
| Q3371-05 | BP-VPB-184-GW-920-922 | 1,2-Dichloroethane-d4 | 50 | 55.9 | 112 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 53.2 | 106 | | 80 | 119 |
| | | Toluene-d8 | 50 | 51.4 | 103 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.7 | 97 | | 85 | 114 |
| Q3371-06 | VPB184-HYD-20251016 | 1,2-Dichloroethane-d4 | 50 | 54.8 | 110 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.2 | 94 | | 80 | 119 |
| | | Toluene-d8 | 50 | 46.8 | 94 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 55.5 | 111 | | 85 | 114 |
| VX1020WBL01 | VX1020WBL01 | 1,2-Dichloroethane-d4 | 50 | 56.9 | 114 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 53.0 | 106 | | 80 | 119 |
| | | Toluene-d8 | 50 | 51.2 | 102 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 52.1 | 104 | | 85 | 114 |
| VX1020WBS01 | VX1020WBS01 | 1,2-Dichloroethane-d4 | 50 | 51.7 | 103 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 51.2 | 102 | | 80 | 119 |
| | | Toluene-d8 | 50 | 51.9 | 104 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 51.1 | 102 | | 85 | 114 |
| VX1020WBSD0 | VX1020WBSD01 | 1,2-Dichloroethane-d4 | 50 | 57.5 | 115 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 53.2 | 106 | | 80 | 119 |
| | | Toluene-d8 | 50 | 51.9 | 104 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 52.1 | 104 | | 85 | 114 |
| VX1021WBL01 | VX1021WBL01 | 1,2-Dichloroethane-d4 | 50 | 52.5 | 105 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.1 | 94 | | 80 | 119 |
| | | Toluene-d8 | 50 | 46.4 | 93 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 52.6 | 105 | | 85 | 114 |
| VX1021WBS01 | VX1021WBS01 | 1,2-Dichloroethane-d4 | 50 | 49.2 | 98 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.3 | 99 | | 80 | 119 |
| | | Toluene-d8 | 50 | 47.8 | 96 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 49.7 | 99 | | 85 | 114 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

| | | | |
|---|---|---|---|
| **SDG No.:** | **Q3371** | **Analytical Method:** | **SW8260-Low** |
| **Client:** | **Tetra Tech NUS, Inc.** | **Datafile :** | VX048240.D |

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VX1020WBS01** | Dichlorodifluoromethane | 20 | 17.8 | ug/L | 89 | | | 32 | 152 | |
| | Chloromethane | 20 | 19.4 | ug/L | 97 | | | 50 | 139 | |
| | Vinyl chloride | 20 | 19.2 | ug/L | 96 | | | 58 | 137 | |
| | Bromomethane | 20 | 21.5 | ug/L | 108 | | | 53 | 141 | |
| | Chloroethane | 20 | 21.1 | ug/L | 106 | | | 60 | 138 | |
| | Trichlorofluoromethane | 20 | 18.7 | ug/L | 94 | | | 65 | 141 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 18.3 | ug/L | 92 | | | 70 | 136 | |
| | 1,1-Dichloroethene | 20 | 19.3 | ug/L | 97 | | | 71 | 131 | |
| | Acetone | 100 | 85.7 | ug/L | 86 | | | 39 | 160 | |
| | Carbon disulfide | 20 | 17.9 | ug/L | 90 | | | 64 | 133 | |
| | Methyl tert-butyl Ether | 20 | 18.7 | ug/L | 94 | | | 71 | 124 | |
| | Methyl Acetate | 20 | 19.7 | ug/L | 99 | | | 56 | 136 | |
| | Methylene Chloride | 20 | 19.9 | ug/L | 100 | | | 74 | 124 | |
| | trans-1,2-Dichloroethene | 20 | 19.5 | ug/L | 98 | | | 75 | 124 | |
| | 1,1-Dichloroethane | 20 | 18.8 | ug/L | 94 | | | 77 | 125 | |
| | Cyclohexane | 20 | 18.7 | ug/L | 94 | | | 71 | 130 | |
| | 2-Butanone | 100 | 92.0 | ug/L | 92 | | | 56 | 143 | |
| | Carbon Tetrachloride | 20 | 17.6 | ug/L | 88 | | | 72 | 136 | |
| | cis-1,2-Dichloroethene | 20 | 19.1 | ug/L | 96 | | | 78 | 123 | |
| | Bromochloromethane | 20 | 21.4 | ug/L | 107 | | | 78 | 123 | |
| | Chloroform | 20 | 19.3 | ug/L | 97 | | | 79 | 124 | |
| | 1,1,1-Trichloroethane | 20 | 18.8 | ug/L | 94 | | | 74 | 131 | |
| | Methylcyclohexane | 20 | 17.3 | ug/L | 86 | | | 72 | 132 | |
| | Benzene | 20 | 18.8 | ug/L | 94 | | | 79 | 120 | |
| | 1,2-Dichloroethane | 20 | 18.8 | ug/L | 94 | | | 73 | 128 | |
| | Trichloroethene | 20 | 19.2 | ug/L | 96 | | | 79 | 123 | |
| | 1,2-Dichloropropane | 20 | 19.4 | ug/L | 97 | | | 78 | 122 | |
| | Bromodichloromethane | 20 | 18.9 | ug/L | 95 | | | 79 | 125 | |
| | 4-Methyl-2-Pentanone | 100 | 94.8 | ug/L | 95 | | | 67 | 130 | |
| | Toluene | 20 | 19.3 | ug/L | 97 | | | 80 | 121 | |
| | t-1,3-Dichloropropene | 20 | 18.9 | ug/L | 95 | | | 73 | 127 | |
| | cis-1,3-Dichloropropene | 20 | 19.0 | ug/L | 95 | | | 75 | 124 | |
| | 1,1,2-Trichloroethane | 20 | 19.5 | ug/L | 98 | | | 80 | 119 | |
| | 2-Hexanone | 100 | 94.6 | ug/L | 95 | | | 57 | 139 | |
| | Dibromochloromethane | 20 | 18.5 | ug/L | 93 | | | 74 | 126 | |
| | 1,2-Dibromoethane | 20 | 19.1 | ug/L | 96 | | | 77 | 121 | |
| | Tetrachloroethene | 20 | 17.7 | ug/L | 89 | | | 74 | 129 | |
| | Chlorobenzene | 20 | 19.0 | ug/L | 95 | | | 82 | 118 | |
| | Ethyl Benzene | 20 | 18.5 | ug/L | 93 | | | 79 | 121 | |
| | m/p-Xylenes | 40 | 38.5 | ug/L | 96 | | | 80 | 121 | |
| | o-Xylene | 20 | 18.7 | ug/L | 94 | | | 78 | 122 | |
| | Styrene | 20 | 19.1 | ug/L | 96 | | | 78 | 123 | |
| | Bromoform | 20 | 18.6 | ug/L | 93 | | | 66 | 130 | |
| | Isopropylbenzene | 20 | 18.3 | ug/L | 92 | | | 72 | 131 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 19.0 | ug/L | 95 | | | 71 | 121 | |
| | 1,3-Dichlorobenzene | 20 | 18.0 | ug/L | 90 | | | 80 | 119 | |
| | 1,4-Dichlorobenzene | 20 | 17.9 | ug/L | 90 | | | 79 | 118 | |
| | 1,2-Dichlorobenzene | 20 | 18.3 | ug/L | 92 | | | 80 | 119 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

| | | | |
|---|---|---|---|
| **SDG No.:** | **Q3371** | **Analytical Method:** | **SW8260-Low** |
| **Client:** | **Tetra Tech NUS, Inc.** | **Datafile :** | VX048240.D |

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VX1020WBS01** | 1,2-Dibromo-3-Chloropropane | 20 | 17.6 | ug/L | 88 | | | 62 | 128 | |
| | 1,2,4-Trichlorobenzene | 20 | 16.1 | ug/L | 81 | | | 69 | 130 | |
| | 1,2,3-Trichlorobenzene | 20 | 16.8 | ug/L | 84 | | | 69 | 129 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

| | | | |
|---|---|---|---|
| **SDG No.:** | **Q3371** | **Analytical Method:** | **SW8260-Low** |
| **Client:** | **Tetra Tech NUS, Inc.** | **Datafile :** | VX048247.D |

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VX1020WBSD01** | Dichlorodifluoromethane | 20 | 17.4 | ug/L | 87 | 2 | | 32 | 152 | 20 |
| | Chloromethane | 20 | 20.9 | ug/L | 104 | 7 | | 50 | 139 | 20 |
| | Vinyl chloride | 20 | 19.4 | ug/L | 97 | 1 | | 58 | 137 | 20 |
| | Bromomethane | 20 | 21.5 | ug/L | 108 | 0 | | 53 | 141 | 20 |
| | Chloroethane | 20 | 19.9 | ug/L | 100 | 6 | | 60 | 138 | 20 |
| | Trichlorofluoromethane | 20 | 18.3 | ug/L | 92 | 2 | | 65 | 141 | 20 |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 17.7 | ug/L | 89 | 3 | | 70 | 136 | 20 |
| | 1,1-Dichloroethene | 20 | 18.3 | ug/L | 92 | 5 | | 71 | 131 | 20 |
| | Acetone | 100 | 86.3 | ug/L | 86 | 0 | | 39 | 160 | 20 |
| | Carbon disulfide | 20 | 17.2 | ug/L | 86 | 5 | | 64 | 133 | 20 |
| | Methyl tert-butyl Ether | 20 | 20.4 | ug/L | 102 | 8 | | 71 | 124 | 20 |
| | Methyl Acetate | 20 | 20.2 | ug/L | 101 | 2 | | 56 | 136 | 20 |
| | Methylene Chloride | 20 | 21.7 | ug/L | 109 | 9 | | 74 | 124 | 20 |
| | trans-1,2-Dichloroethene | 20 | 19.0 | ug/L | 95 | 3 | | 75 | 124 | 20 |
| | 1,1-Dichloroethane | 20 | 19.5 | ug/L | 98 | 4 | | 77 | 125 | 20 |
| | Cyclohexane | 20 | 18.1 | ug/L | 91 | 3 | | 71 | 130 | 20 |
| | 2-Butanone | 100 | 98.7 | ug/L | 99 | 7 | | 56 | 143 | 20 |
| | Carbon Tetrachloride | 20 | 17.1 | ug/L | 86 | 2 | | 72 | 136 | 20 |
| | cis-1,2-Dichloroethene | 20 | 19.9 | ug/L | 100 | 4 | | 78 | 123 | 20 |
| | Bromochloromethane | 20 | 23.6 | ug/L | 118 | 10 | | 78 | 123 | 20 |
| | Chloroform | 20 | 20.7 | ug/L | 104 | 7 | | 79 | 124 | 20 |
| | 1,1,1-Trichloroethane | 20 | 18.8 | ug/L | 94 | 0 | | 74 | 131 | 20 |
| | Methylcyclohexane | 20 | 16.4 | ug/L | 82 | 5 | | 72 | 132 | 20 |
| | Benzene | 20 | 18.9 | ug/L | 95 | 1 | | 79 | 120 | 20 |
| | 1,2-Dichloroethane | 20 | 20.1 | ug/L | 101 | 7 | | 73 | 128 | 20 |
| | Trichloroethene | 20 | 18.2 | ug/L | 91 | 5 | | 79 | 123 | 20 |
| | 1,2-Dichloropropane | 20 | 20.4 | ug/L | 102 | 5 | | 78 | 122 | 20 |
| | Bromodichloromethane | 20 | 19.8 | ug/L | 99 | 4 | | 79 | 125 | 20 |
| | 4-Methyl-2-Pentanone | 100 | 100 | ug/L | 100 | 5 | | 67 | 130 | 20 |
| | Toluene | 20 | 18.7 | ug/L | 94 | 3 | | 80 | 121 | 20 |
| | t-1,3-Dichloropropene | 20 | 19.9 | ug/L | 100 | 5 | | 73 | 127 | 20 |
| | cis-1,3-Dichloropropene | 20 | 19.4 | ug/L | 97 | 2 | | 75 | 124 | 20 |
| | 1,1,2-Trichloroethane | 20 | 21.1 | ug/L | 106 | 8 | | 80 | 119 | 20 |
| | 2-Hexanone | 100 | 100 | ug/L | 100 | 5 | | 57 | 139 | 20 |
| | Dibromochloromethane | 20 | 20.9 | ug/L | 104 | 11 | | 74 | 126 | 20 |
| | 1,2-Dibromoethane | 20 | 21.4 | ug/L | 107 | 11 | | 77 | 121 | 20 |
| | Tetrachloroethene | 20 | 17.0 | ug/L | 85 | 5 | | 74 | 129 | 20 |
| | Chlorobenzene | 20 | 19.0 | ug/L | 95 | 0 | | 82 | 118 | 20 |
| | Ethyl Benzene | 20 | 17.8 | ug/L | 89 | 4 | | 79 | 121 | 20 |
| | m/p-Xylenes | 40 | 36.6 | ug/L | 92 | 4 | | 80 | 121 | 20 |
| | o-Xylene | 20 | 18.4 | ug/L | 92 | 2 | | 78 | 122 | 20 |
| | Styrene | 20 | 19.1 | ug/L | 96 | 0 | | 78 | 123 | 20 |
| | Bromoform | 20 | 19.7 | ug/L | 99 | 6 | | 66 | 130 | 20 |
| | Isopropylbenzene | 20 | 17.5 | ug/L | 88 | 4 | | 72 | 131 | 20 |
| | 1,1,2,2-Tetrachloroethane | 20 | 20.4 | ug/L | 102 | 7 | | 71 | 121 | 20 |
| | 1,3-Dichlorobenzene | 20 | 18.0 | ug/L | 90 | 0 | | 80 | 119 | 20 |
| | 1,4-Dichlorobenzene | 20 | 17.7 | ug/L | 89 | 1 | | 79 | 118 | 20 |
| | 1,2-Dichlorobenzene | 20 | 18.3 | ug/L | 92 | 0 | | 80 | 119 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

| | | | |
|---|---|---|---|
| **SDG No.:** | **Q3371** | **Analytical Method:** | **SW8260-Low** |
| **Client:** | **Tetra Tech NUS, Inc.** | **Datafile :** | VX048247.D |

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VX1020WBSD01** | 1,2-Dibromo-3-Chloropropane | 20 | 18.5 | ug/L | 93 | 6 | | 62 | 128 | 20 |
| | 1,2,4-Trichlorobenzene | 20 | 16.5 | ug/L | 83 | 2 | | 69 | 130 | 20 |
| | 1,2,3-Trichlorobenzene | 20 | 17.0 | ug/L | 85 | 1 | | 69 | 129 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

| | | | |
|---|---|---|---|
| **SDG No.:** | **Q3371** | **Analytical Method:** | **SW8260-Low** |
| **Client:** | **Tetra Tech NUS, Inc.** | **Datafile :** | VX048255.D |

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VX1021WBS01** | Dichlorodifluoromethane | 20 | 16.8 | ug/L | 84 | | | 32 | 152 | |
| | Chloromethane | 20 | 17.8 | ug/L | 89 | | | 50 | 139 | |
| | Vinyl chloride | 20 | 17.6 | ug/L | 88 | | | 58 | 137 | |
| | Bromomethane | 20 | 19.3 | ug/L | 97 | | | 53 | 141 | |
| | Chloroethane | 20 | 18.9 | ug/L | 95 | | | 60 | 138 | |
| | Trichlorofluoromethane | 20 | 17.7 | ug/L | 89 | | | 65 | 141 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 17.6 | ug/L | 88 | | | 70 | 136 | |
| | 1,1-Dichloroethene | 20 | 18.0 | ug/L | 90 | | | 71 | 131 | |
| | Acetone | 100 | 82.3 | ug/L | 82 | | | 39 | 160 | |
| | Carbon disulfide | 20 | 16.6 | ug/L | 83 | | | 64 | 133 | |
| | Methyl tert-butyl Ether | 20 | 17.6 | ug/L | 88 | | | 71 | 124 | |
| | Methyl Acetate | 20 | 17.5 | ug/L | 88 | | | 56 | 136 | |
| | Methylene Chloride | 20 | 19.1 | ug/L | 96 | | | 74 | 124 | |
| | trans-1,2-Dichloroethene | 20 | 17.9 | ug/L | 90 | | | 75 | 124 | |
| | 1,1-Dichloroethane | 20 | 18.4 | ug/L | 92 | | | 77 | 125 | |
| | Cyclohexane | 20 | 19.2 | ug/L | 96 | | | 71 | 130 | |
| | 2-Butanone | 100 | 85.2 | ug/L | 85 | | | 56 | 143 | |
| | Carbon Tetrachloride | 20 | 17.0 | ug/L | 85 | | | 72 | 136 | |
| | cis-1,2-Dichloroethene | 20 | 18.9 | ug/L | 95 | | | 78 | 123 | |
| | Bromochloromethane | 20 | 21.6 | ug/L | 108 | | | 78 | 123 | |
| | Chloroform | 20 | 18.8 | ug/L | 94 | | | 79 | 124 | |
| | 1,1,1-Trichloroethane | 20 | 18.1 | ug/L | 91 | | | 74 | 131 | |
| | Methylcyclohexane | 20 | 17.0 | ug/L | 85 | | | 72 | 132 | |
| | Benzene | 20 | 18.5 | ug/L | 93 | | | 79 | 120 | |
| | 1,2-Dichloroethane | 20 | 19.1 | ug/L | 96 | | | 73 | 128 | |
| | Trichloroethene | 20 | 18.1 | ug/L | 91 | | | 79 | 123 | |
| | 1,2-Dichloropropane | 20 | 19.3 | ug/L | 97 | | | 78 | 122 | |
| | Bromodichloromethane | 20 | 18.6 | ug/L | 93 | | | 79 | 125 | |
| | 4-Methyl-2-Pentanone | 100 | 86.9 | ug/L | 87 | | | 67 | 130 | |
| | Toluene | 20 | 18.8 | ug/L | 94 | | | 80 | 121 | |
| | t-1,3-Dichloropropene | 20 | 18.4 | ug/L | 92 | | | 73 | 127 | |
| | cis-1,3-Dichloropropene | 20 | 18.8 | ug/L | 94 | | | 75 | 124 | |
| | 1,1,2-Trichloroethane | 20 | 19.1 | ug/L | 96 | | | 80 | 119 | |
| | 2-Hexanone | 100 | 85.9 | ug/L | 86 | | | 57 | 139 | |
| | Dibromochloromethane | 20 | 18.1 | ug/L | 91 | | | 74 | 126 | |
| | 1,2-Dibromoethane | 20 | 18.6 | ug/L | 93 | | | 77 | 121 | |
| | Tetrachloroethene | 20 | 16.9 | ug/L | 85 | | | 74 | 129 | |
| | Chlorobenzene | 20 | 18.0 | ug/L | 90 | | | 82 | 118 | |
| | Ethyl Benzene | 20 | 17.8 | ug/L | 89 | | | 79 | 121 | |
| | m/p-Xylenes | 40 | 36.8 | ug/L | 92 | | | 80 | 121 | |
| | o-Xylene | 20 | 18.1 | ug/L | 91 | | | 78 | 122 | |
| | Styrene | 20 | 18.8 | ug/L | 94 | | | 78 | 123 | |
| | Bromoform | 20 | 17.0 | ug/L | 85 | | | 66 | 130 | |
| | Isopropylbenzene | 20 | 17.1 | ug/L | 86 | | | 72 | 131 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 17.3 | ug/L | 86 | | | 71 | 121 | |
| | 1,3-Dichlorobenzene | 20 | 17.2 | ug/L | 86 | | | 80 | 119 | |
| | 1,4-Dichlorobenzene | 20 | 16.6 | ug/L | 83 | | | 79 | 118 | |
| | 1,2-Dichlorobenzene | 20 | 17.2 | ug/L | 86 | | | 80 | 119 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

| | | | |
|---|---|---|---|
| **SDG No.:** | **Q3371** | **Analytical Method:** | **SW8260-Low** |
| **Client:** | **Tetra Tech NUS, Inc.** | **Datafile :** | VX048255.D |

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VX1021WBS01** | 1,2-Dibromo-3-Chloropropane | 20 | 14.2 | ug/L | 71 | | | 62 | 128 | |
| | 1,2,4-Trichlorobenzene | 20 | 15.2 | ug/L | 76 | | | 69 | 130 | |
| | 1,2,3-Trichlorobenzene | 20 | 15.5 | ug/L | 78 | | | 69 | 129 | |

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# VOLATILE METHOD BLANK SUMMARY

Client ID: VX1020WBL01

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3371

Lab File ID: VX048239.D | Lab Sample ID: VX1020WBL01

Date Analyzed: 10/20/2025 | Time Analyzed: 15:23

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 |
|---|---|---|---|
| VX1020WBS01 | VX1020WBS01 | VX048240.D | 10/20/2025 |
| BP-VPB-184-GW-915-917 | Q3371-04 | VX048245.D | 10/20/2025 |
| BP-VPB-184-GW-920-922 | Q3371-05 | VX048246.D | 10/20/2025 |
| VX1020WBSD01 | VX1020WBSD01 | VX048247.D | 10/20/2025 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

Client ID: VX1021WBL01

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3371

Lab File ID: VX048254.D Lab Sample ID: VX1021WBL01

Date Analyzed: 10/21/2025 Time Analyzed: 09:40

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 |
|---|---|---|---|
| VX1021WBS01 | VX1021WBS01 | VX048255.D | 10/21/2025 |
| VPB184-HYD-20251010 | Q3371-03 | VX048257.D | 10/21/2025 |
| BP-VPB-184-TB-20251010 | Q3371-01 | VX048258.D | 10/21/2025 |
| BP-VPB-184-EB-20251016 | Q3371-02 | VX048259.D | 10/21/2025 |
| VPB184-HYD-20251016 | Q3371-06 | VX048260.D | 10/21/2025 |

COMMENTS:

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

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3371

Lab File ID: VX048226.D | BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:15

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 | 17.7 |
| 75 | 30.0 - 60.0% of mass 95 | 50.7 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.8 |
| 173 | Less than 2.0% of mass 174 | 0.3 ( 0.4 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 76.5 |
| 175 | 5.0 - 9.0% of mass 174 | 5.8 ( 7.5 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 73.8 ( 96.4 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.8 ( 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 |
|---|---|---|---|---|
| VSTDICC001 | VSTDICC001 | VX048229.D | 10/20/2025 | 10:59 |
| VSTDICC020 | VSTDICC020 | VX048231.D | 10/20/2025 | 11:40 |
| VSTDICCC050 | VSTDICCC050 | VX048232.D | 10/20/2025 | 12:01 |
| VSTDICC100 | VSTDICC100 | VX048233.D | 10/20/2025 | 12:22 |
| VSTDICC150 | VSTDICC150 | VX048234.D | 10/20/2025 | 12:43 |
| VSTDICC005 | VSTDICC005 | VX048236.D | 10/20/2025 | 13:49 |
| VX1020WBL01 | VX1020WBL01 | VX048239.D | 10/20/2025 | 15:23 |
| VX1020WBS01 | VX1020WBS01 | VX048240.D | 10/20/2025 | 15:50 |
| BP-VPB-184-GW-915-917 | Q3371-04 | VX048245.D | 10/20/2025 | 17:41 |
| BP-VPB-184-GW-920-922 | Q3371-05 | VX048246.D | 10/20/2025 | 18:02 |
| VX1020WBSD01 | VX1020WBSD01 | VX048247.D | 10/20/2025 | 18:22 |
| VSTDCCC050EC | VSTDCCC050 | VX048250.D | 10/20/2025 | 19:25 |

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

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3371

Lab File ID: VX048251.D | BFB Injection Date: 10/21/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:12

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 | 18 |
| 75 | 30.0 - 60.0% of mass 95 | 50.3 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 7 |
| 173 | Less than 2.0% of mass 174 | 0.6 ( 0.7 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 75.8 |
| 175 | 5.0 - 9.0% of mass 174 | 5.5 ( 7.2 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 72.8 ( 96.1 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 5 ( 6.8 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VX048252.D | 10/21/2025 | 08:43 |
| VX1021WBL01 | VX1021WBL01 | VX048254.D | 10/21/2025 | 09:40 |
| VX1021WBS01 | VX1021WBS01 | VX048255.D | 10/21/2025 | 10:06 |
| VPB184-HYD-20251010 | Q3371-03 | VX048257.D | 10/21/2025 | 10:54 |
| BP-VPB-184-TB-20251010 | Q3371-01 | VX048258.D | 10/21/2025 | 11:15 |
| BP-VPB-184-EB-20251016 | Q3371-02 | VX048259.D | 10/21/2025 | 11:35 |
| VPB184-HYD-20251016 | Q3371-06 | VX048260.D | 10/21/2025 | 11:56 |
| VSTDCCC050EC | VSTDCCC050 | VX048278.D | 10/21/2025 | 18:09 |

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## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3371

Lab File ID: VX048232.D Date Analyzed: 10/20/2025

Instrument ID: MSVOA_X Time Analyzed: 12:01

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 | 124491 | 5.54 | 201906 | 6.75 | 184494 | 10.04 |
| UPPER LIMIT | 248982 | 6.04 | 403812 | 7.25 | 368988 | 10.54 |
| LOWER LIMIT | 62245.5 | 5.04 | 100953 | 6.25 | 92247 | 9.54 |
| EPA SAMPLE NO. | | | | | | |
| BP-VPB-184-GW-915-917 | 107423 | 5.54 | 183824 | 6.75 | 169870 | 10.04 |
| BP-VPB-184-GW-920-922 | 122446 | 5.54 | 210478 | 6.75 | 193818 | 10.04 |
| VX1020WBL01 | 127705 | 5.53 | 221220 | 6.74 | 203730 | 10.04 |
| VX1020WBS01 | 134660 | 5.54 | 221833 | 6.74 | 200515 | 10.04 |
| VX1020WBSD01 | 114781 | 5.54 | 195841 | 6.75 | 183563 | 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.: Q3371

Lab File ID: VX048232.D Date Analyzed: 10/20/2025

Instrument ID: MSVOA_X Time Analyzed: 12:01

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 92693 | 12.01 | | | | |
| UPPER LIMIT | 185386 | 12.51 | | | | |
| LOWER LIMIT | 46346.5 | 11.51 | | | | |
| EPA SAMPLE NO. | | | | | | |
| BP-VPB-184-GW-915-917 | 81048 | 12.01 | | | | |
| BP-VPB-184-GW-920-922 | 92863 | 12.01 | | | | |
| VX1020WBL01 | 106522 | 12.01 | | | | |
| VX1020WBS01 | 101575 | 12.01 | | | | |
| VX1020WBSD01 | 92655 | 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.: Q3371

Lab File ID: VX048252.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_X Time Analyzed: 08:43

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 | 144122 | 5.53 | 227103 | 6.74 | 197016 | 10.04 |
| UPPER LIMIT | 288244 | 6.031 | 454206 | 7.238 | 394032 | 10.537 |
| LOWER LIMIT | 72061 | 5.031 | 113552 | 6.238 | 98508 | 9.537 |
| EPA SAMPLE NO. | | | | | | |
| BP-VPB-184-TB-20251010 | 104796 | 5.54 | 206666 | 6.75 | 215259 | 10.04 |
| BP-VPB-184-EB-20251016 | 100347 | 5.54 | 196629 | 6.75 | 210531 | 10.04 |
| VPB184-HYD-20251010 | 90641 | 5.54 | 171684 | 6.75 | 176825 | 10.04 |
| VPB184-HYD-20251016 | 105728 | 5.54 | 214439 | 6.75 | 228141 | 10.04 |
| VX1021WBL01 | 121915 | 5.53 | 240535 | 6.75 | 247603 | 10.04 |
| VX1021WBS01 | 141199 | 5.54 | 230109 | 6.74 | 212342 | 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.: Q3371

Lab File ID: VX048252.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_X Time Analyzed: 08:43

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 96991 | 12.006 | | | | |
| UPPER LIMIT | 193982 | 12.506 | | | | |
| LOWER LIMIT | 48495.5 | 11.506 | | | | |
| EPA SAMPLE NO. | | | | | | |
| BP-VPB-184-TB-20251010 | 110449 | 12.01 | | | | |
| BP-VPB-184-EB-20251016 | 109203 | 12.01 | | | | |
| VPB184-HYD-20251010 | 86166 | 12.01 | | | | |
| VPB184-HYD-20251016 | 117921 | 12.01 | | | | |
| VX1021WBL01 | 126551 | 12.01 | | | | |
| VX1021WBS01 | 110789 | 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.

# SAMPLE DATA

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: | 10/10/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 10/16/25 |
| Client Sample ID: | BP-VPB-184-TB-20251010 | SDG No.: | Q3371 |
| Lab Sample ID: | Q3371-01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 74-87-3 | Chloromethane | 0.50 | U | 1 | 0.32 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 1 | 0.26 | 0.75 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 74-83-9 | Bromomethane | 3.80 | U | 1 | 1.40 | 3.80 | 5.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 75-00-3 | Chloroethane | 0.75 | U | 1 | 0.47 | 0.75 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 1 | 0.33 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 1 | 0.23 | 0.75 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 67-64-1 | Acetone | 3.80 | U | 1 | 1.50 | 3.80 | 5.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 1 | 0.21 | 0.75 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 79-20-9 | Methyl Acetate | 0.75 | U | 1 | 0.27 | 0.75 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 75-09-2 | Methylene Chloride | 0.50 | U | 1 | 0.28 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 110-82-7 | Cyclohexane | 2.50 | U | 1 | 1.50 | 2.50 | 5.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 78-93-3 | 2-Butanone | 2.50 | U | 1 | 0.98 | 2.50 | 5.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 1 | 0.19 | 0.75 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 74-97-5 | Bromochloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 67-66-3 | Chloroform | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 71-43-2 | Benzene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 79-01-6 | Trichloroethene | 0.75 | U | 1 | 0.090 | 0.75 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 1 | 0.68 | 2.50 | 5.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 108-88-3 | Toluene | 0.50 | U | 1 | 0.14 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 1 | 0.17 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 1 | 0.21 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1 | 0.89 | 2.50 | 5.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 1 | 0.18 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 108-90-7 | Chlorobenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 1 | 0.13 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 1 | 0.24 | 1.00 | 2.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 95-47-6 | o-Xylene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 100-42-5 | Styrene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 75-25-2 | Bromoform | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |

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: | 10/10/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 10/16/25 |
| Client Sample ID: | BP-VPB-184-TB-20251010 | SDG No.: | Q3371 |
| Lab Sample ID: | Q3371-01 | Matrix: | Water |
| Analytical Method: | 8260D Level : LOW | % Solid: | 0 |
| Sample Wt/Vol: | 5 mL Final Vol: 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 1 | 0.26 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 1 | 0.53 | 0.75 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 1 | 0.20 | 0.75 | 1.00 | ug/L | 10/21/25 11:15 | VX102125 |
| **SURROGATES** | | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 52.4 | | | 81 - 118 | | 105% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 46.8 | | | 80 - 119 | | 94% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 45.6 | | | 89 - 112 | | 91% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 53.0 | | | 85 - 114 | | 106% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 105000 | | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 207000 | | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 215000 | | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 110000 | | | | | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | | | | |
| 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\VX102125\
Data File : VX048258.D
Acq On : 21 Oct 2025 11:15
Operator : JC/MD
Sample : Q3371-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20251010

Quant Time: Oct 24 04:25:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

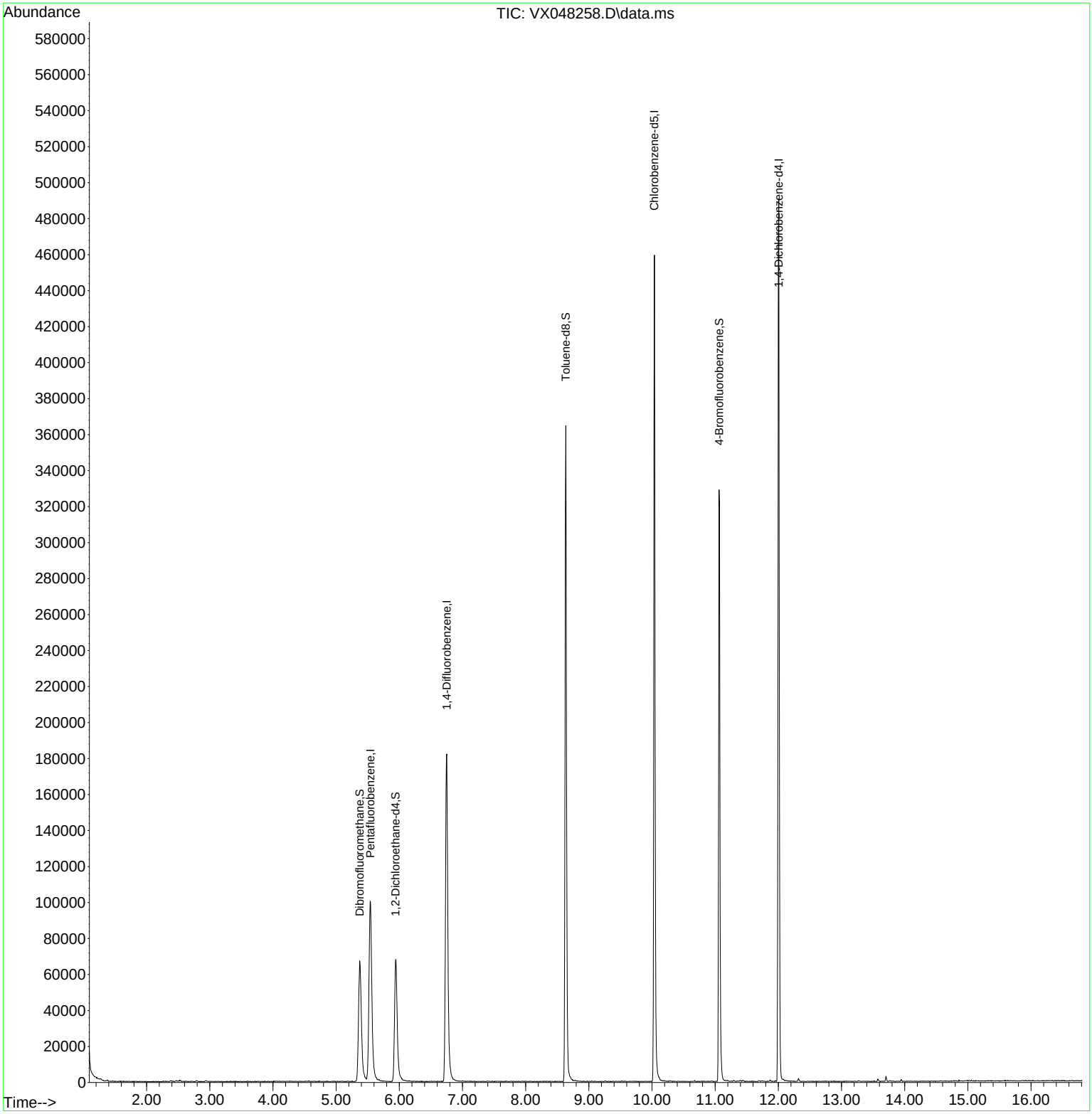
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 104796 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 206666 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 215259 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 110449 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 77024 | 52.422 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 104.840% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 66061 | 46.822 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 93.640% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 225480 | 45.594 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 91.180%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 99785 | 53.039 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 106.080% | | | |
| Target Compounds | | | | | | Qvalue |

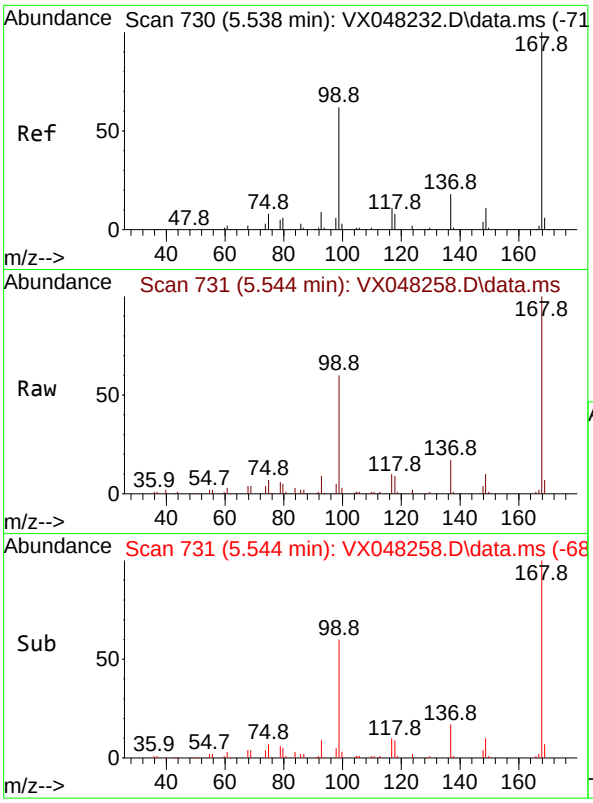
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048258.D
Acq On : 21 Oct 2025 11:15
Operator : JC/MD
Sample : Q3371-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20251010

Quant Time: Oct 24 04:25:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



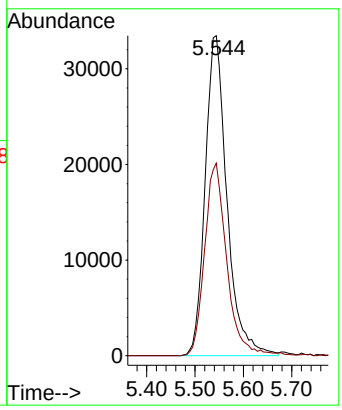


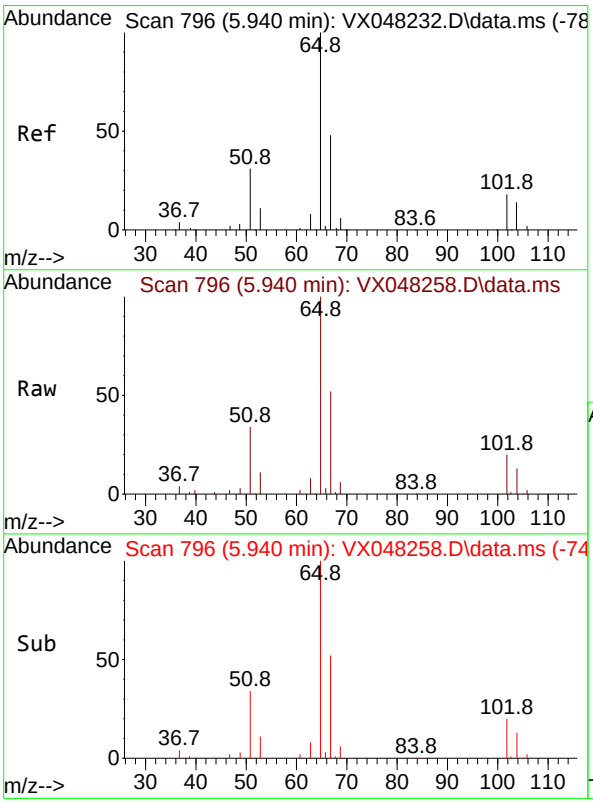

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20251010

Tgt Ion:168 Resp: 104796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.2 | 46.4 | 69.6 |

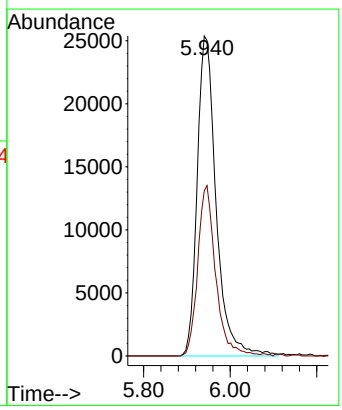


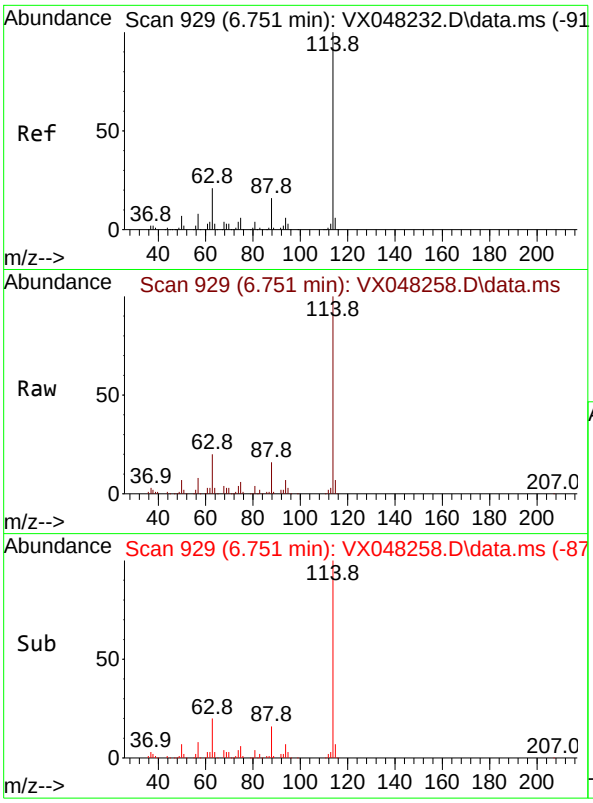




#33
1,2-Dichloroethane-d4
Concen: 52.422 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

Tgt Ion: 65 Resp: 77024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.4 | 0.0 | 105.0 |



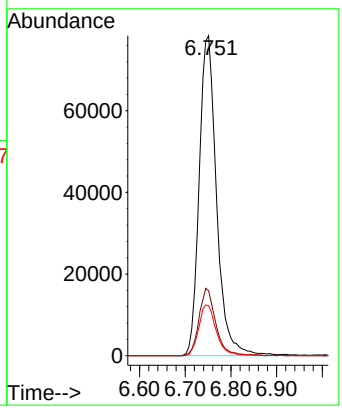


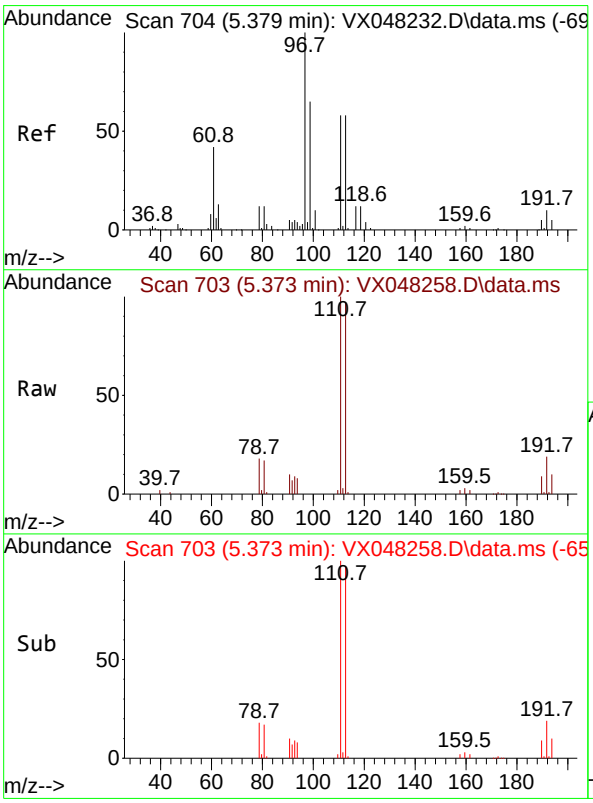

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20251010

Tgt Ion:114 Resp: 206666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 43.2 |
| 88 | 15.7 | 0.0 | 33.6 |

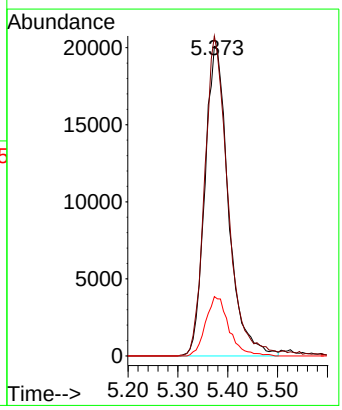


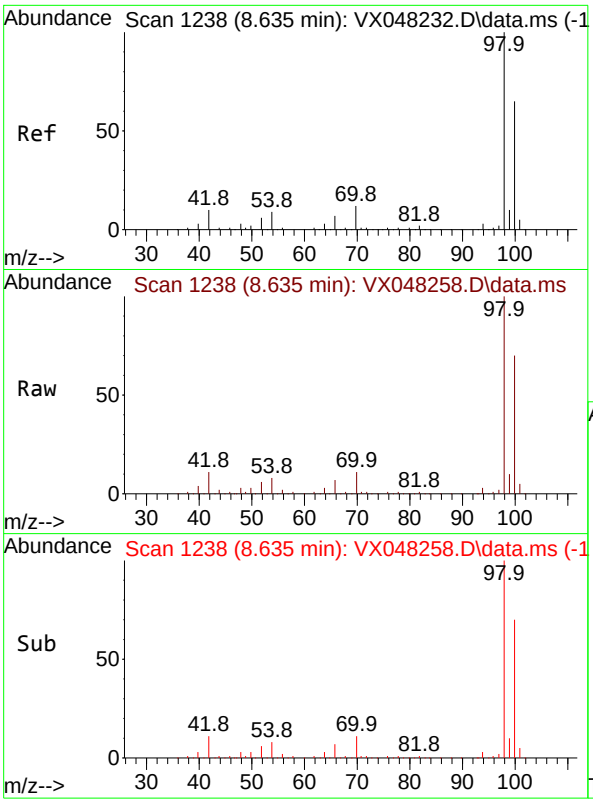




#35
Dibromofluoromethane
Concen: 46.822 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

Tgt Ion:113 Resp: 66061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 82.2 | 123.4 |
| 192 | 18.9 | 15.1 | 22.7 |



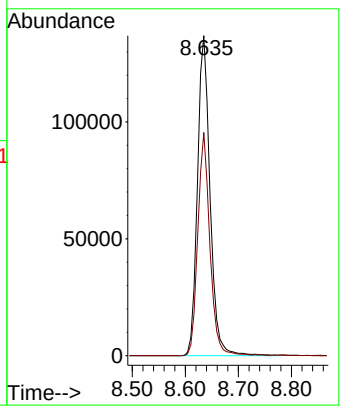


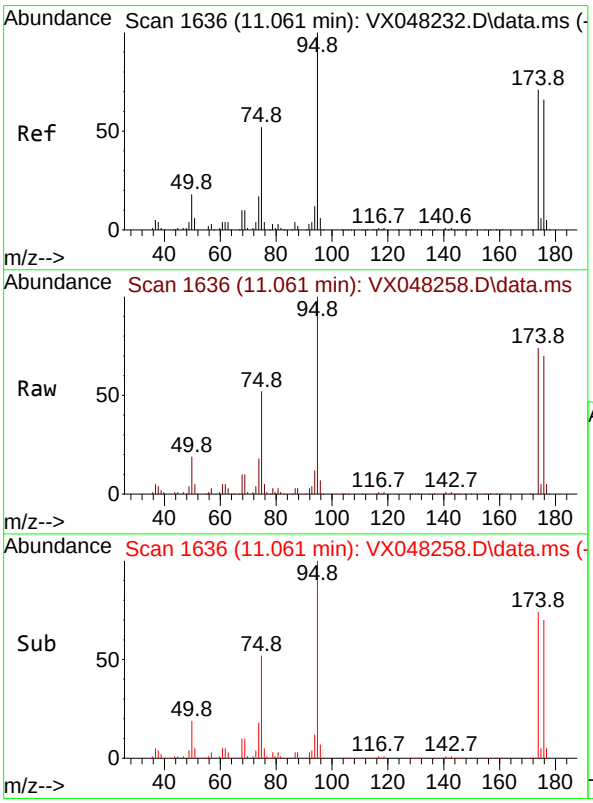

#50
Toluene-d8
Concen: 45.594 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20251010

Tgt Ion: 98 Resp: 225480

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

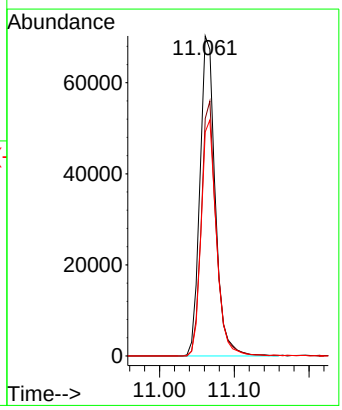


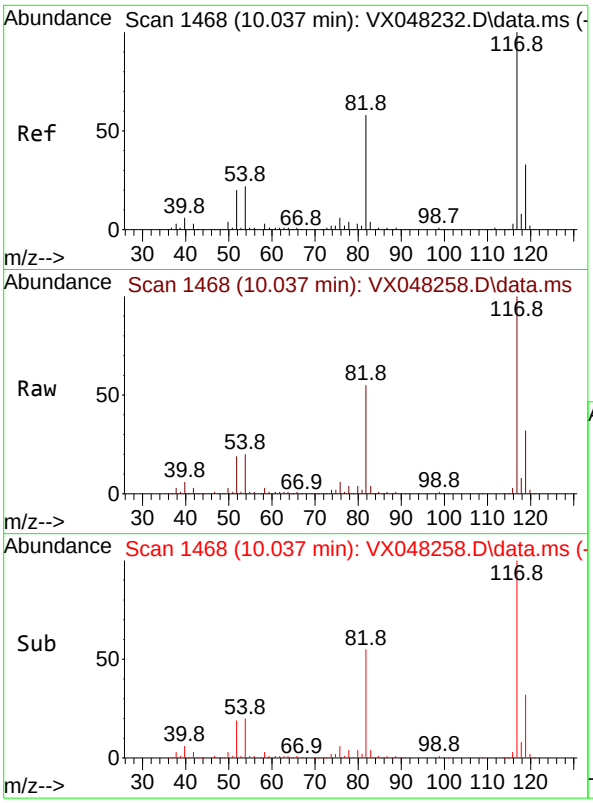




#62
4-Bromofluorobenzene
Concen: 53.039 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

Tgt Ion: 95 Resp: 99785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.8 | 0.0 | 147.8 |
| 176 | 74.0 | 0.0 | 142.8 |



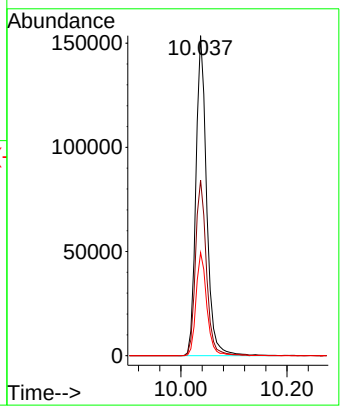


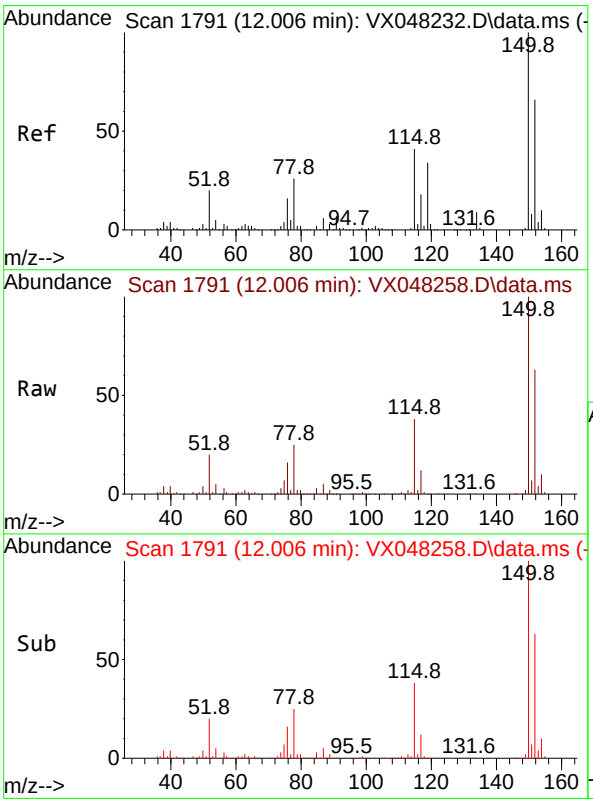

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20251010

Tgt Ion:117 Resp: 215259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.8 | 46.5 | 69.7 |
| 119 | 32.2 | 25.9 | 38.9 |

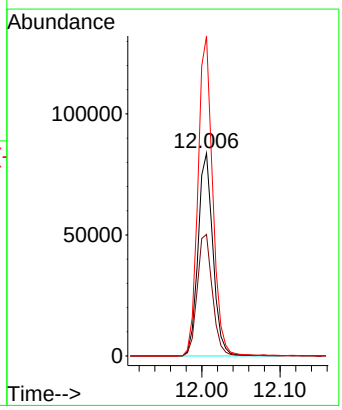



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

Tgt Ion:152 Resp: 110449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.7 | 43.1 | 129.4 |
| 150 | 156.0 | 0.0 | 353.0 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048258.D
Acq On : 21 Oct 2025 11:15
Operator : JC/MD
Sample : Q3371-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20251010

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\82X102025W.M
Title : SW846 8260

Signal : TIC: VX048258.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 | 691 | 703 | 721 | rBV2 | 67103 | 215434 | 32.51% | 6.004% |
| 2 | 5.538 | 721 | 730 | 750 | rVB | 99345 | 310493 | 46.86% | 8.654% |
| 3 | 5.946 | 783 | 797 | 815 | rBV | 67801 | 202890 | 30.62% | 5.655% |
| 4 | 6.751 | 918 | 929 | 946 | rBV | 182045 | 477178 | 72.01% | 13.300% |
| 5 | 8.635 | 1230 | 1238 | 1253 | rBV | 364473 | 596925 | 90.08% | 16.637% |
| 6 | 10.037 | 1462 | 1468 | 1483 | rBV | 459156 | 649702 | 98.04% | 18.108% |
| 7 | 11.061 | 1631 | 1636 | 1650 | rBV | 328787 | 472636 | 71.32% | 13.173% |
| 8 | 12.006 | 1785 | 1791 | 1802 | rBV | 490400 | 662657 | 100.00% | 18.469% |

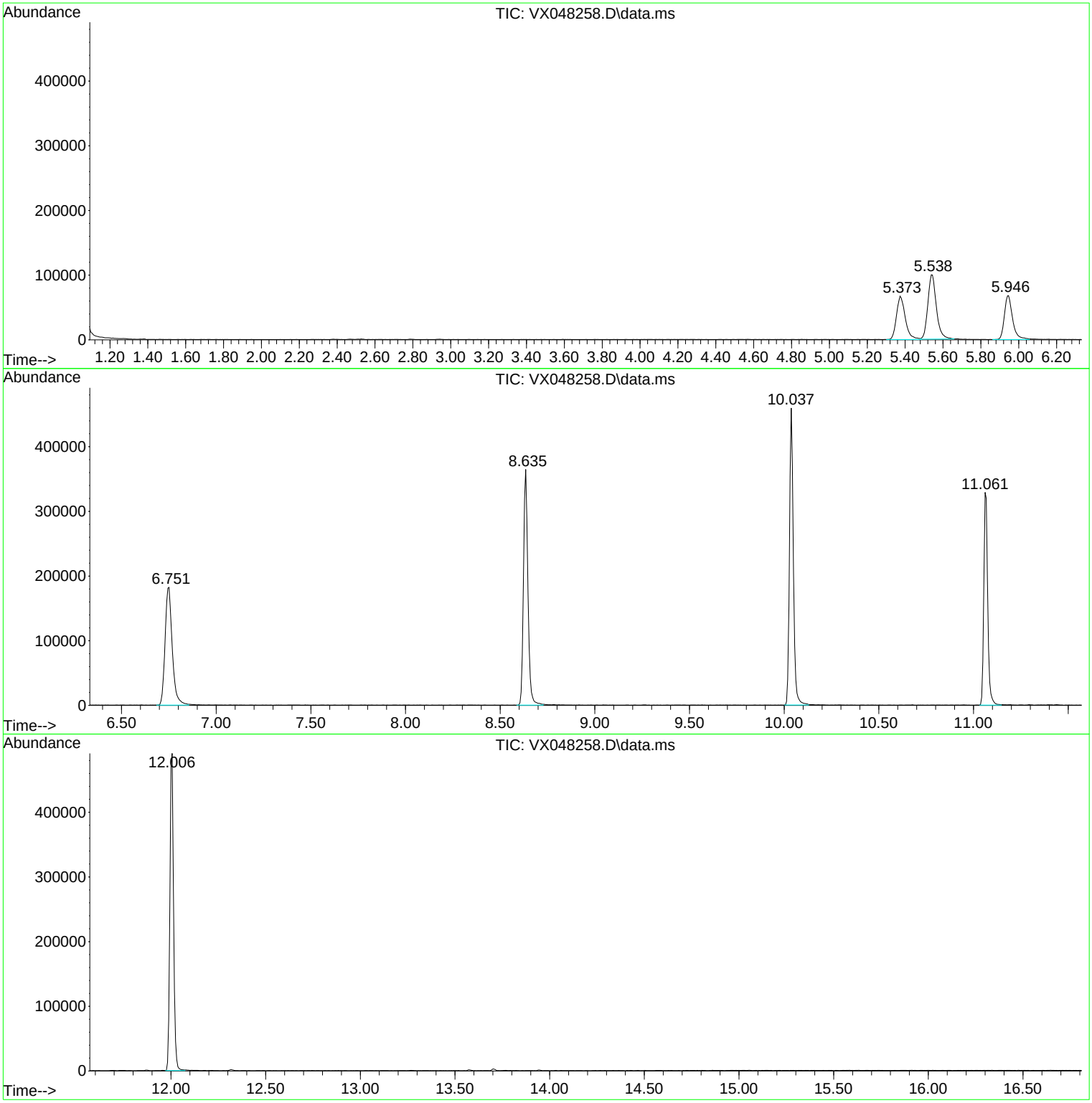
Sum of corrected areas: 3587915

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048258.D
Acq On : 21 Oct 2025 11:15
Operator : JC/MD
Sample : Q3371-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20251010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048258.D
Acq On : 21 Oct 2025 11:15
Operator : JC/MD
Sample : Q3371-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20251010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

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

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048258.D
Acq On : 21 Oct 2025 11:15
Operator : JC/MD
Sample : Q3371-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20251010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

| TIC Top Hit name | RT | EstConc | Units | Response | Internal Standard # | Internal Standard RT | Internal Standard Resp | Internal Standard 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: | 10/16/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 10/16/25 |
| Client Sample ID: | BP-VPB-184-EB-20251016 | SDG No.: | Q3371 |
| Lab Sample ID: | Q3371-02 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 74-87-3 | Chloromethane | 0.50 | U | 1 | 0.32 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 1 | 0.26 | 0.75 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 74-83-9 | Bromomethane | 3.80 | U | 1 | 1.40 | 3.80 | 5.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 75-00-3 | Chloroethane | 0.75 | U | 1 | 0.47 | 0.75 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 1 | 0.33 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 1 | 0.23 | 0.75 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 67-64-1 | Acetone | 6.80 | | 1 | 1.50 | 3.80 | 5.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 1 | 0.21 | 0.75 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 79-20-9 | Methyl Acetate | 0.75 | U | 1 | 0.27 | 0.75 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 75-09-2 | Methylene Chloride | 0.50 | U | 1 | 0.28 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 110-82-7 | Cyclohexane | 2.50 | U | 1 | 1.50 | 2.50 | 5.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 78-93-3 | 2-Butanone | 2.50 | U | 1 | 0.98 | 2.50 | 5.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 1 | 0.19 | 0.75 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 74-97-5 | Bromochloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 67-66-3 | Chloroform | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 71-43-2 | Benzene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 79-01-6 | Trichloroethene | 0.75 | U | 1 | 0.090 | 0.75 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 1 | 0.68 | 2.50 | 5.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 108-88-3 | Toluene | 0.50 | U | 1 | 0.14 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 1 | 0.17 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 1 | 0.21 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1 | 0.89 | 2.50 | 5.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 1 | 0.18 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 108-90-7 | Chlorobenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 1 | 0.13 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 1 | 0.24 | 1.00 | 2.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 95-47-6 | o-Xylene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 100-42-5 | Styrene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 75-25-2 | Bromoform | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |

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: | 10/16/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 10/16/25 |
| Client Sample ID: | BP-VPB-184-EB-20251016 | SDG No.: | Q3371 |
| Lab Sample ID: | Q3371-02 | Matrix: | Water |
| Analytical Method: | 8260D Level : LOW | % Solid: | 0 |
| Sample Wt/Vol: | 5 mL Final Vol: 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 1 | 0.26 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 1 | 0.53 | 0.75 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 1 | 0.20 | 0.75 | 1.00 | ug/L | 10/21/25 11:35 | VX102125 |
| **SURROGATES** | | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 54.7 | | | 81 - 118 | | 109% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 49.5 | | | 80 - 119 | | 99% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 47.2 | | | 89 - 112 | | 94% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 55.2 | | | 85 - 114 | | 110% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 100000 | | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 197000 | | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 211000 | | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 109000 | | | | | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | | | | |
| 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\VX102125\
Data File : VX048259.D
Acq On : 21 Oct 2025 11:35
Operator : JC/MD
Sample : Q3371-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20251016

Quant Time: Oct 24 04:26:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

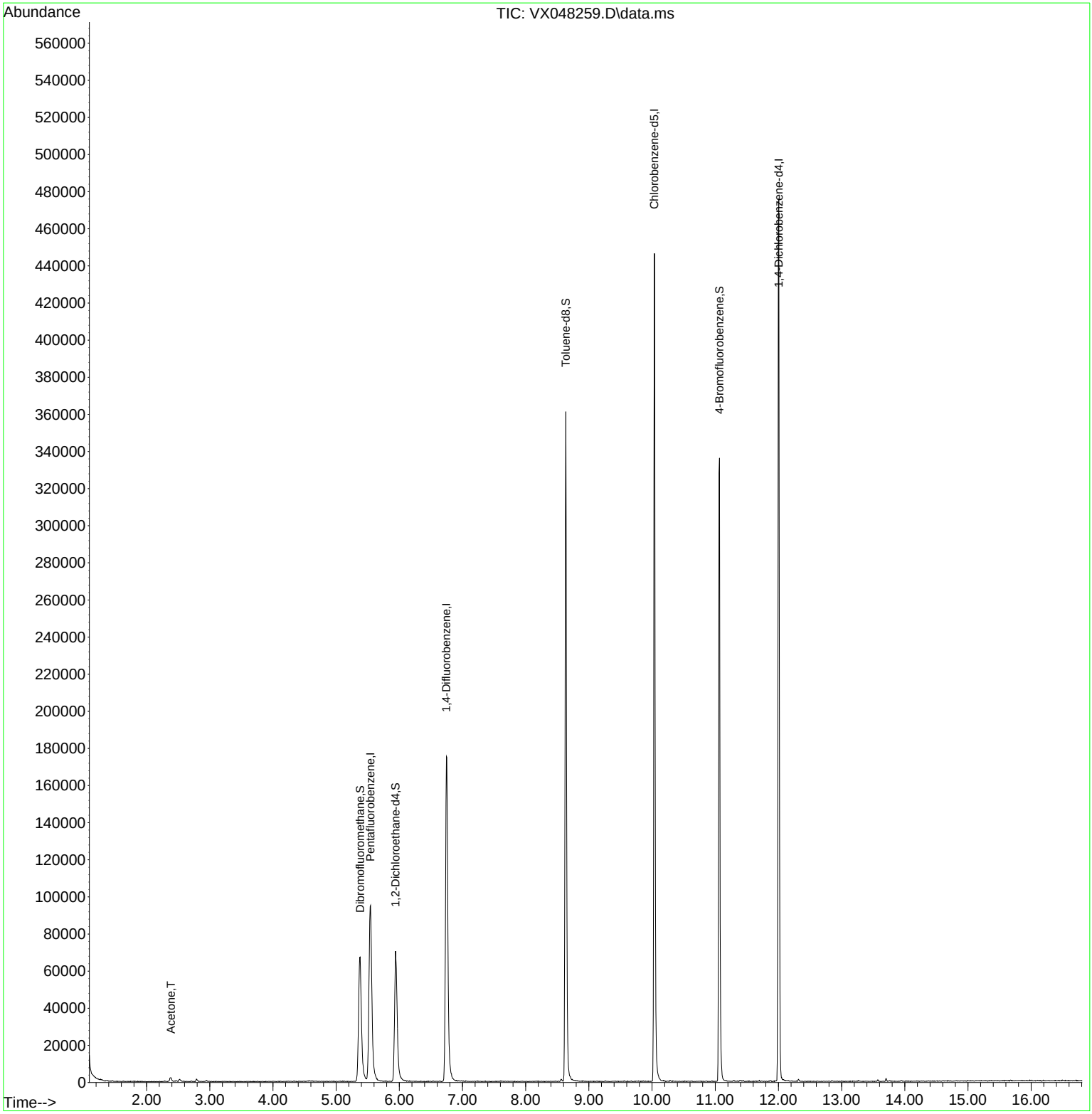
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 100347 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 196629 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 210531 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 109203 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 76981 | 54.715 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 109.440% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 66409 | 49.471 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.940% | | | |
| 50) Toluene-d8 | 8.634 | 98 | 222231 | 47.231 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 94.460% | | | |
| 62) 4-Bromofluorobenzene | 11.067 | 95 | 98871 | 55.236 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 110.480% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.386 | 43 | 3267 | 6.769 | ug/l | 91 |

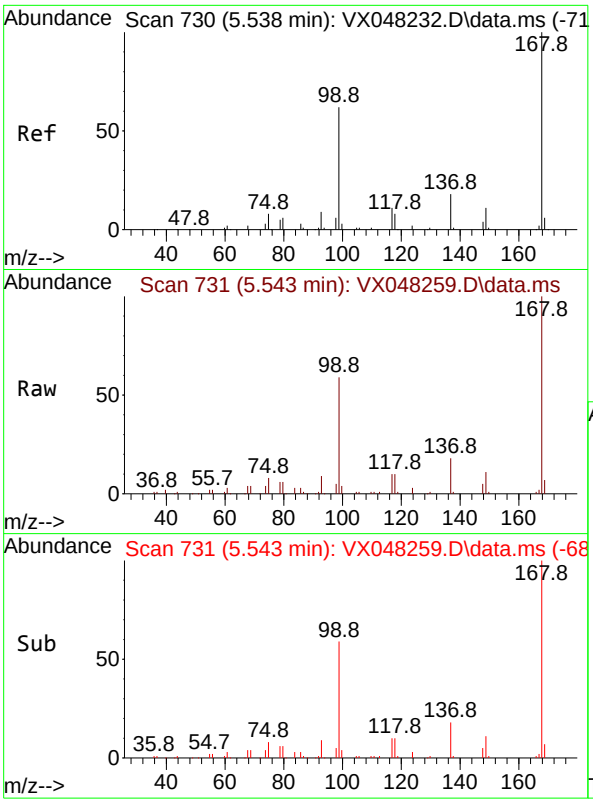
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048259.D
Acq On : 21 Oct 2025 11:35
Operator : JC/MD
Sample : Q3371-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20251016

Quant Time: Oct 24 04:26:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



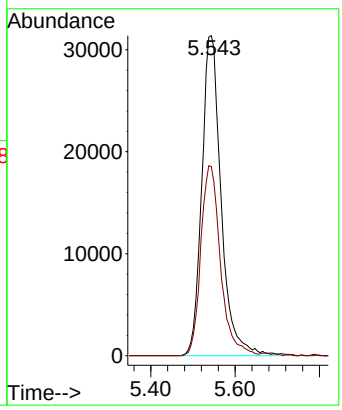


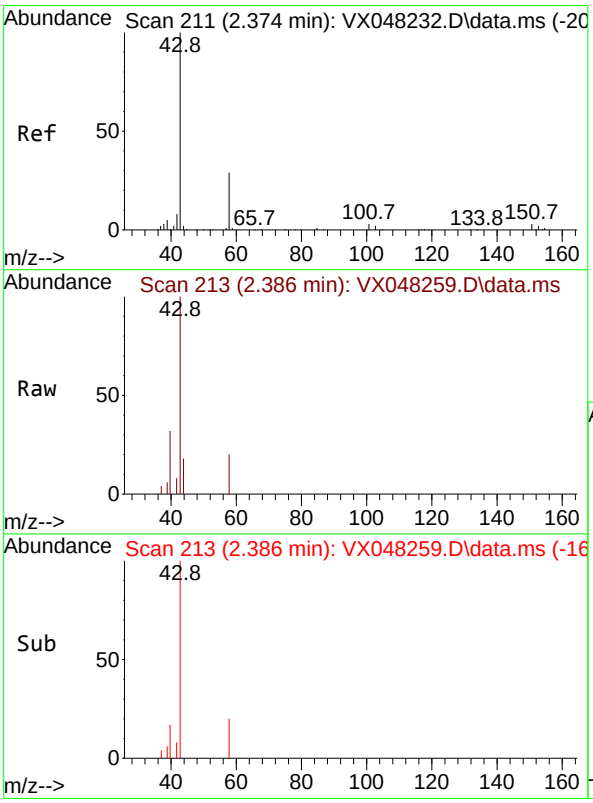

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048259.D
Acq: 21 Oct 2025 11:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20251016

Tgt Ion:168 Resp: 100347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.1 | 46.4 | 69.6 |

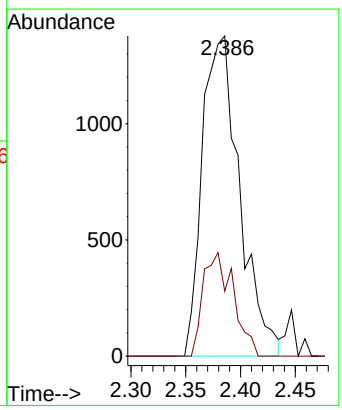


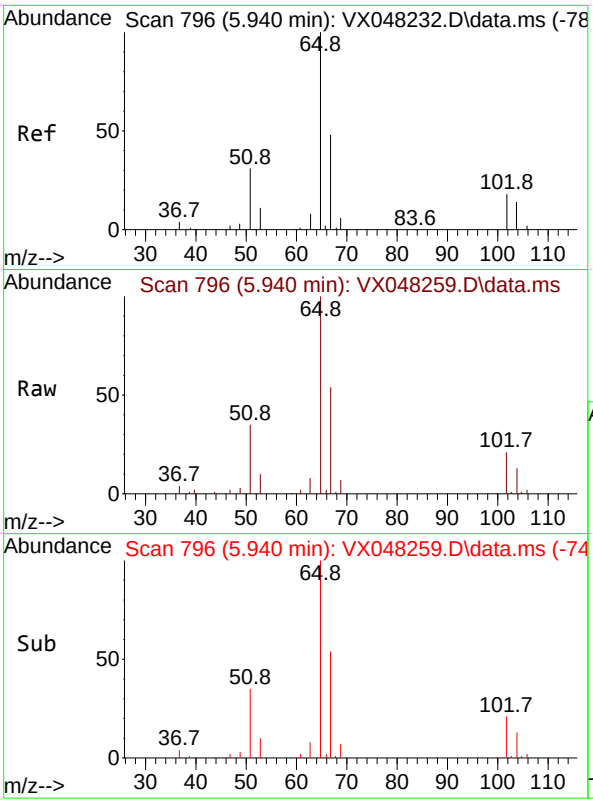




#16
Acetone
Concen: 6.769 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX048259.D
Acq: 21 Oct 2025 11:35

Tgt Ion: 43 Resp: 3267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.5 | 23.4 | 35.2 |



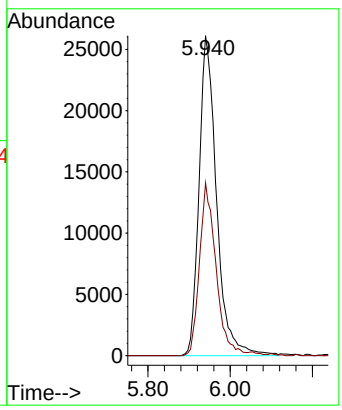


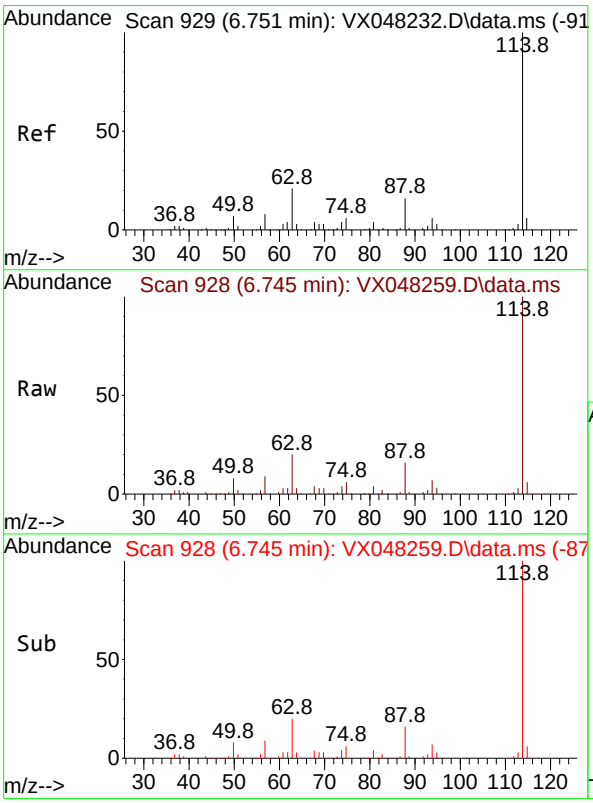

#33
1,2-Dichloroethane-d4
Concen: 54.715 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048259.D
Acq: 21 Oct 2025 11:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20251016

Tgt Ion: 65 Resp: 76981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 105.0 |

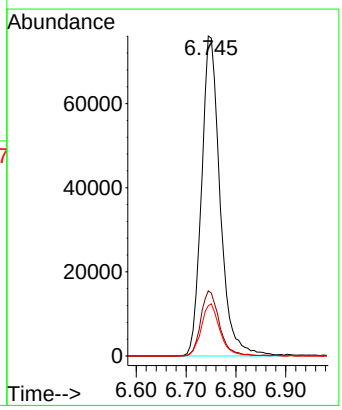


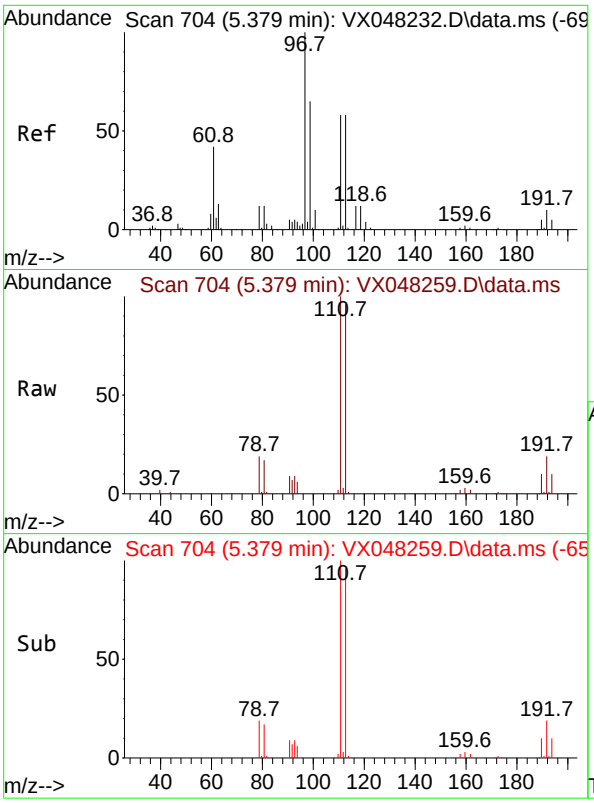




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048259.D
Acq: 21 Oct 2025 11:35

Tgt Ion:114 Resp: 196629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 43.2 |
| 88 | 15.7 | 0.0 | 33.6 |



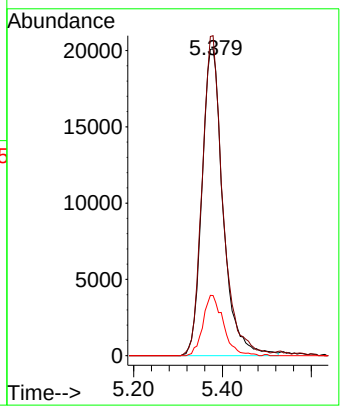


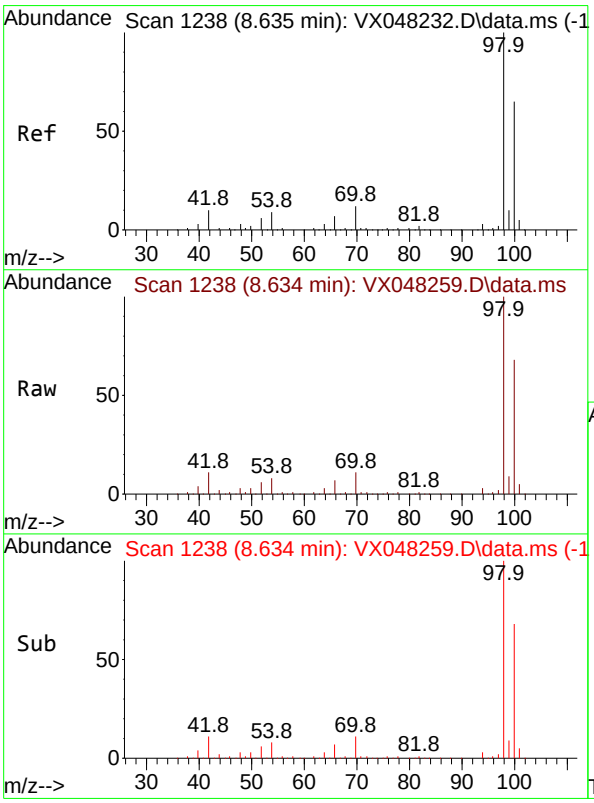

#35
Dibromofluoromethane
Concen: 49.471 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048259.D
Acq: 21 Oct 2025 11:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20251016

Tgt Ion:113 Resp: 66409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 82.2 | 123.4 |
| 192 | 19.1 | 15.1 | 22.7 |

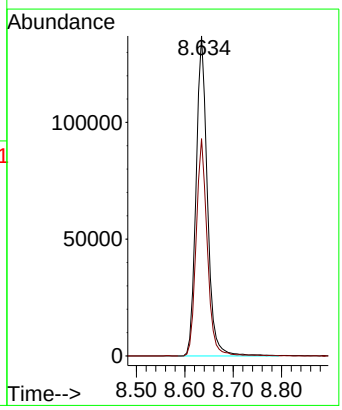


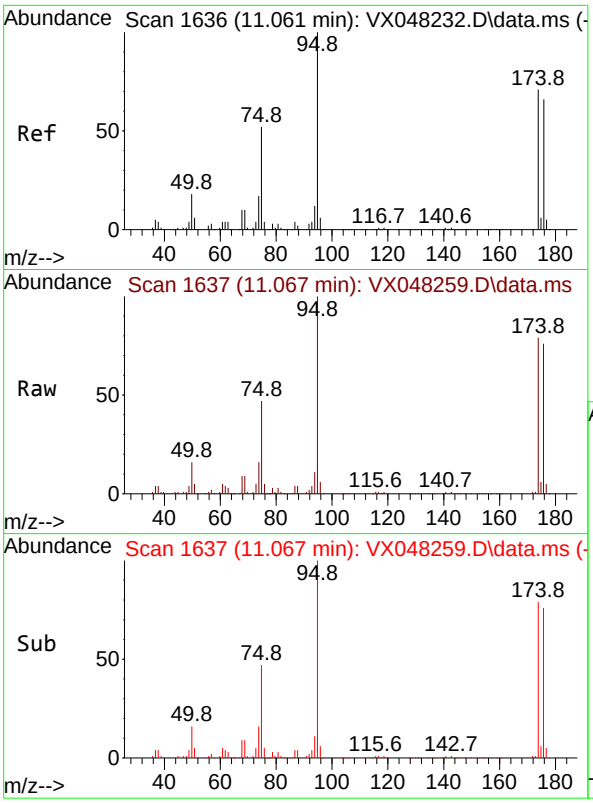




#50
Toluene-d8
Concen: 47.231 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048259.D
Acq: 21 Oct 2025 11:35

Tgt Ion: 98 Resp: 222231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.1 | 53.0 | 79.4 |



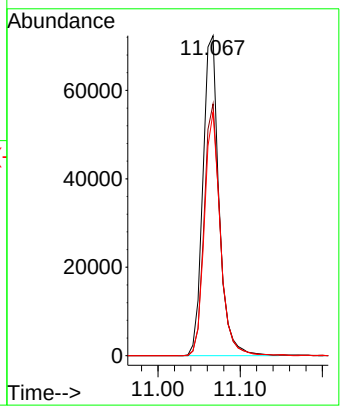


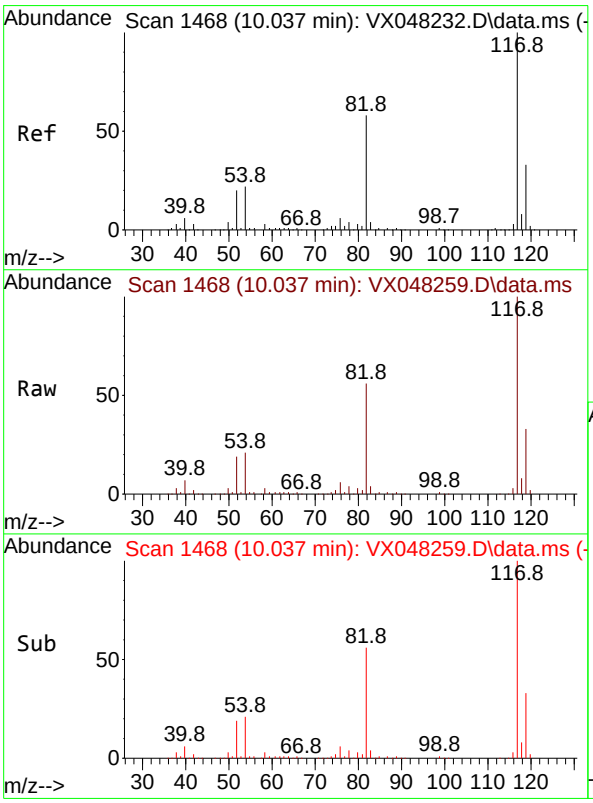

#62
4-Bromofluorobenzene
Concen: 55.236 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048259.D
Acq: 21 Oct 2025 11:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20251016

Tgt Ion: 95 Resp: 98871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.2 | 0.0 | 147.8 |
| 176 | 75.5 | 0.0 | 142.8 |

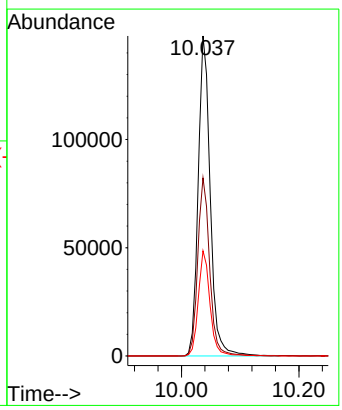


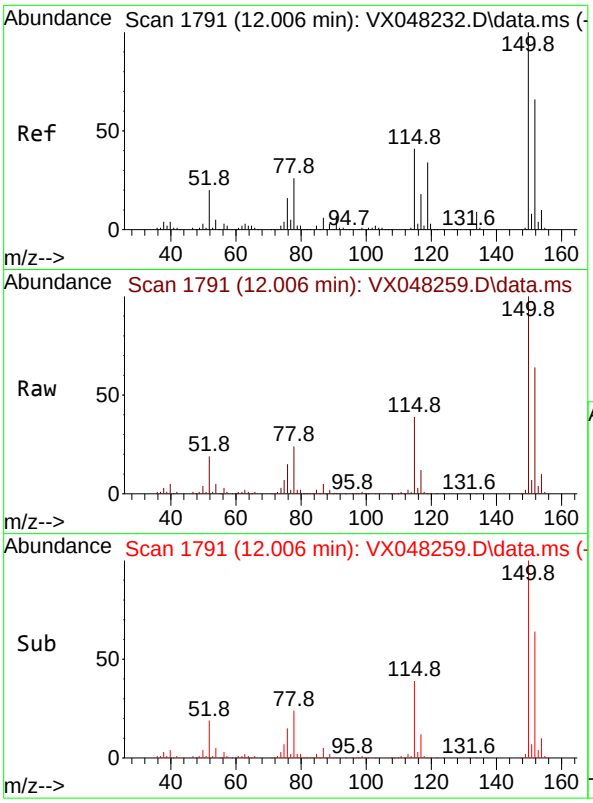




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048259.D
Acq: 21 Oct 2025 11:35

Tgt Ion:117 Resp: 210531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.7 | 46.5 | 69.7 |
| 119 | 32.8 | 25.9 | 38.9 |



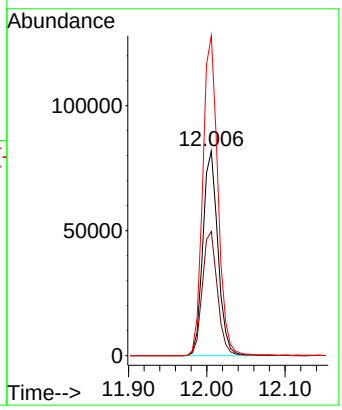



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048259.D
Acq: 21 Oct 2025 11:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20251016

Tgt Ion:152 Resp: 109203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.0 | 43.1 | 129.4 |
| 150 | 157.1 | 0.0 | 353.0 |



Sample Results: **VX048259.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048259.D
Acq On : 21 Oct 2025 11:35
Operator : JC/MD
Sample : Q3371-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20251016

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\82X102025W.M
Title : SW846 8260

Signal : TIC: VX048259.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.379 | 691 | 704 | 721 | rBV2 | 67078 | 215978 | 33.12% | 6.147% |
| 2 | 5.543 | 721 | 731 | 749 | rVB2 | 94156 | 295920 | 45.37% | 8.423% |
| 3 | 5.940 | 786 | 796 | 816 | rBV2 | 70204 | 203928 | 31.27% | 5.804% |
| 4 | 6.745 | 915 | 928 | 953 | rBV | 175238 | 460538 | 70.61% | 13.108% |
| 5 | 8.634 | 1231 | 1238 | 1254 | rBV | 360686 | 584258 | 89.58% | 16.630% |
| 6 | 10.037 | 1462 | 1468 | 1487 | rBV | 445893 | 631764 | 96.87% | 17.982% |
| 7 | 11.067 | 1631 | 1637 | 1650 | rBV | 335818 | 468703 | 71.86% | 13.341% |
| 8 | 12.006 | 1785 | 1791 | 1802 | rBV | 475306 | 652201 | 100.00% | 18.564% |

Sum of corrected areas: 3513290

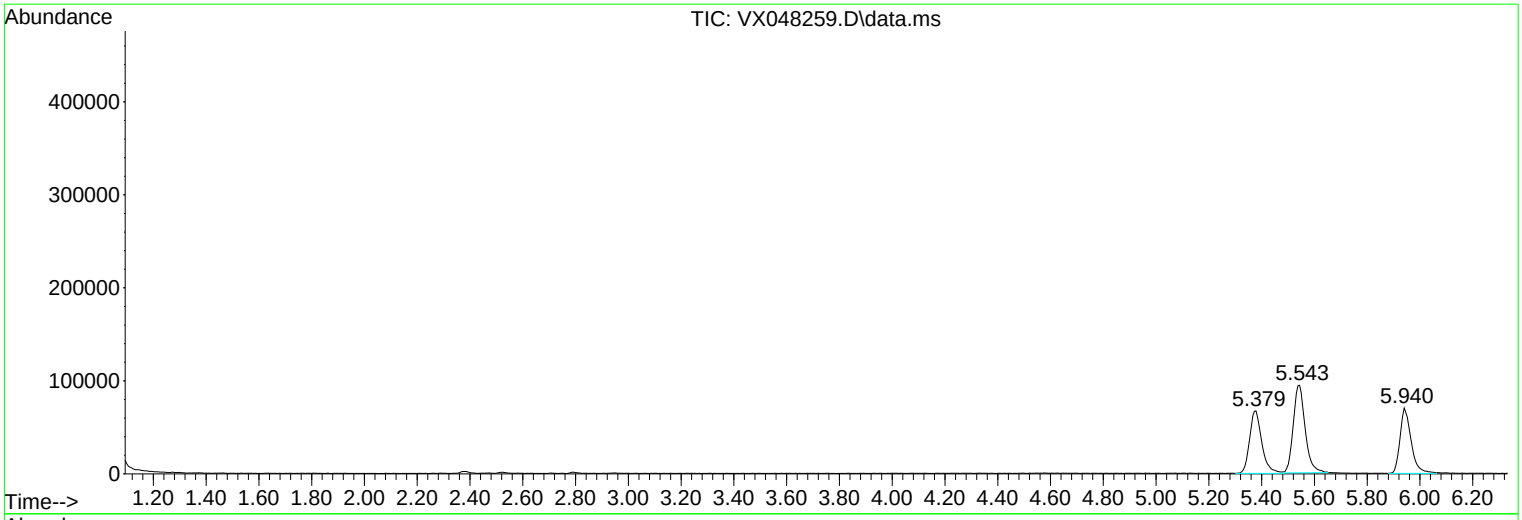
Sample Results: **VX048259.D**

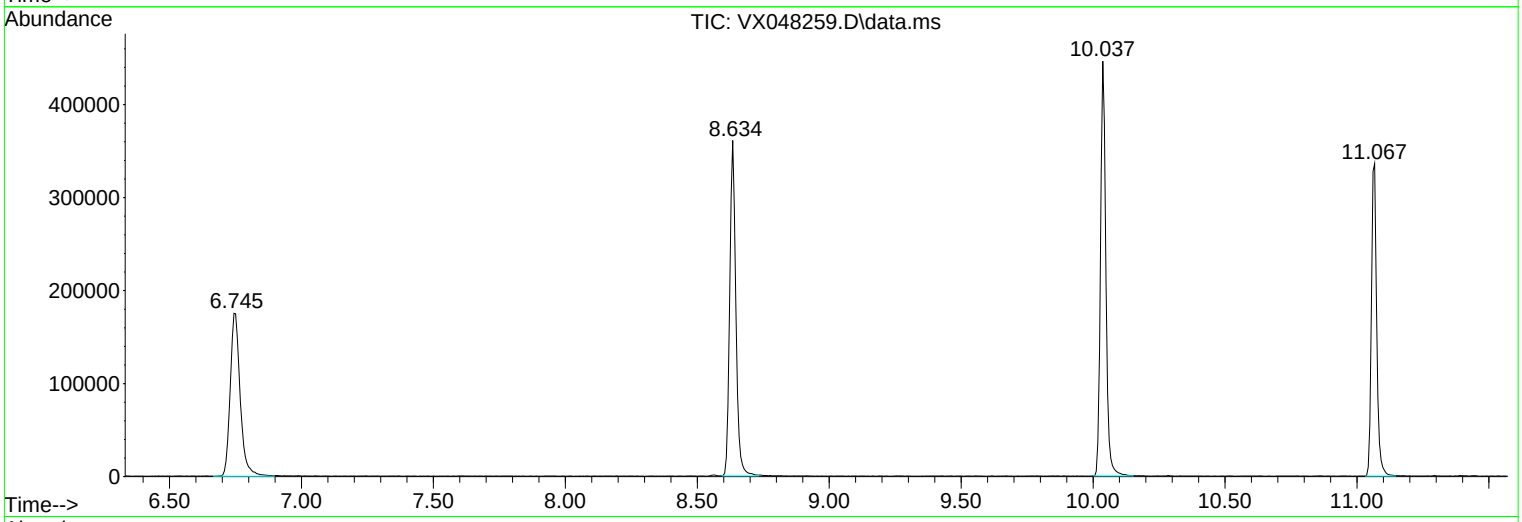
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048259.D
Acq On : 21 Oct 2025 11:35
Operator : JC/MD
Sample : Q3371-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

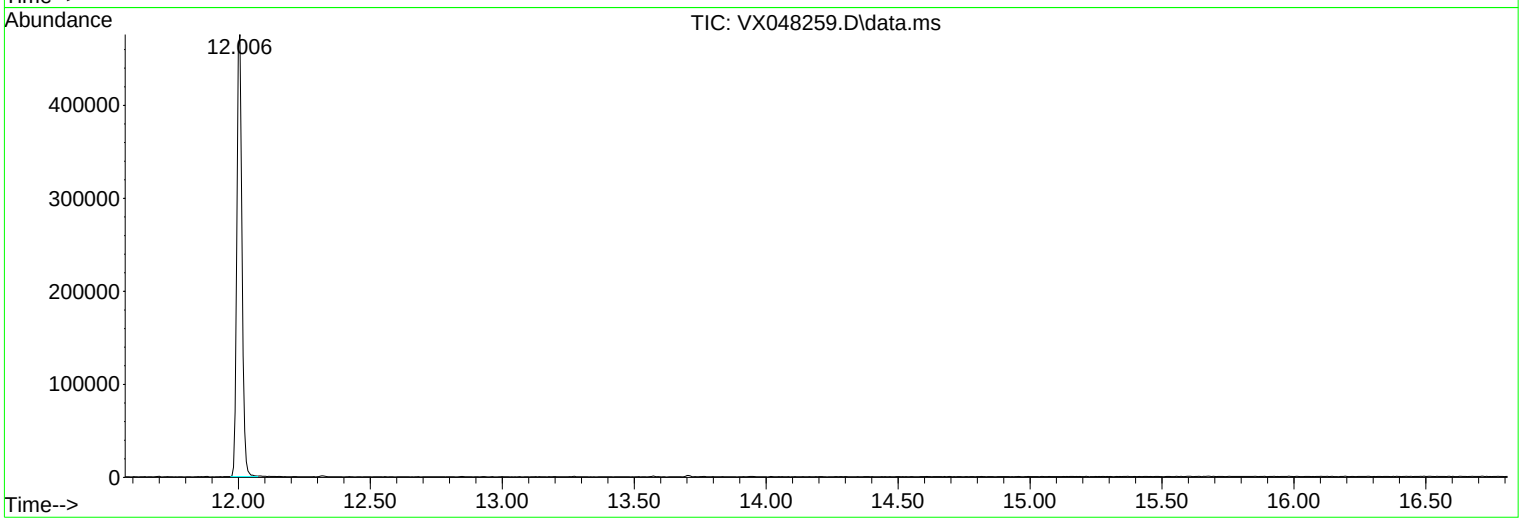
**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048259.D
Acq On : 21 Oct 2025 11:35
Operator : JC/MD
Sample : Q3371-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

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

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048259.D
Acq On : 21 Oct 2025 11:35
Operator : JC/MD
Sample : Q3371-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.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: | 10/10/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 10/16/25 |
| Client Sample ID: | VPB184-HYD-20251010 | SDG No.: | Q3371 |
| Lab Sample ID: | Q3371-03 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 74-87-3 | Chloromethane | 0.50 | U | 1 | 0.32 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 1 | 0.26 | 0.75 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 74-83-9 | Bromomethane | 3.80 | U | 1 | 1.40 | 3.80 | 5.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 75-00-3 | Chloroethane | 0.75 | U | 1 | 0.47 | 0.75 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 1 | 0.33 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 1 | 0.23 | 0.75 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 67-64-1 | Acetone | 3.80 | U | 1 | 1.50 | 3.80 | 5.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 1 | 0.21 | 0.75 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 79-20-9 | Methyl Acetate | 0.75 | U | 1 | 0.27 | 0.75 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 75-09-2 | Methylene Chloride | 0.50 | U | 1 | 0.28 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 110-82-7 | Cyclohexane | 2.50 | U | 1 | 1.50 | 2.50 | 5.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 78-93-3 | 2-Butanone | 2.50 | U | 1 | 0.98 | 2.50 | 5.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 1 | 0.19 | 0.75 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 74-97-5 | Bromochloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 67-66-3 | Chloroform | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 71-43-2 | Benzene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 79-01-6 | Trichloroethene | 0.75 | U | 1 | 0.090 | 0.75 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 1 | 0.68 | 2.50 | 5.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 108-88-3 | Toluene | 0.50 | U | 1 | 0.14 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 1 | 0.17 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 1 | 0.21 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1 | 0.89 | 2.50 | 5.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 1 | 0.18 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 108-90-7 | Chlorobenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 1 | 0.13 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 1 | 0.24 | 1.00 | 2.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 95-47-6 | o-Xylene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 100-42-5 | Styrene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 75-25-2 | Bromoform | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |

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: | 10/10/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 10/16/25 |
| Client Sample ID: | VPB184-HYD-20251010 | SDG No.: | Q3371 |
| Lab Sample ID: | Q3371-03 | Matrix: | Water |
| Analytical Method: | 8260D Level : LOW | % Solid: | 0 |
| Sample Wt/Vol: | 5 mL Final Vol: 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 1 | 0.26 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 1 | 0.53 | 0.75 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 1 | 0.20 | 0.75 | 1.00 | ug/L | 10/21/25 10:54 | VX102125 |
| **SURROGATES** | | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.4 | | | 81 - 118 | | 97% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 46.4 | | | 80 - 119 | | 93% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 44.9 | | | 89 - 112 | | 90% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 50.7 | | | 85 - 114 | | 101% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 90600 | | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 172000 | | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 177000 | | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 86200 | | | | | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | | | | |
| 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\VX102125\
Data File : VX048257.D
Acq On : 21 Oct 2025 10:54
Operator : JC/MD
Sample : Q3371-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251010

Quant Time: Oct 24 04:25:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

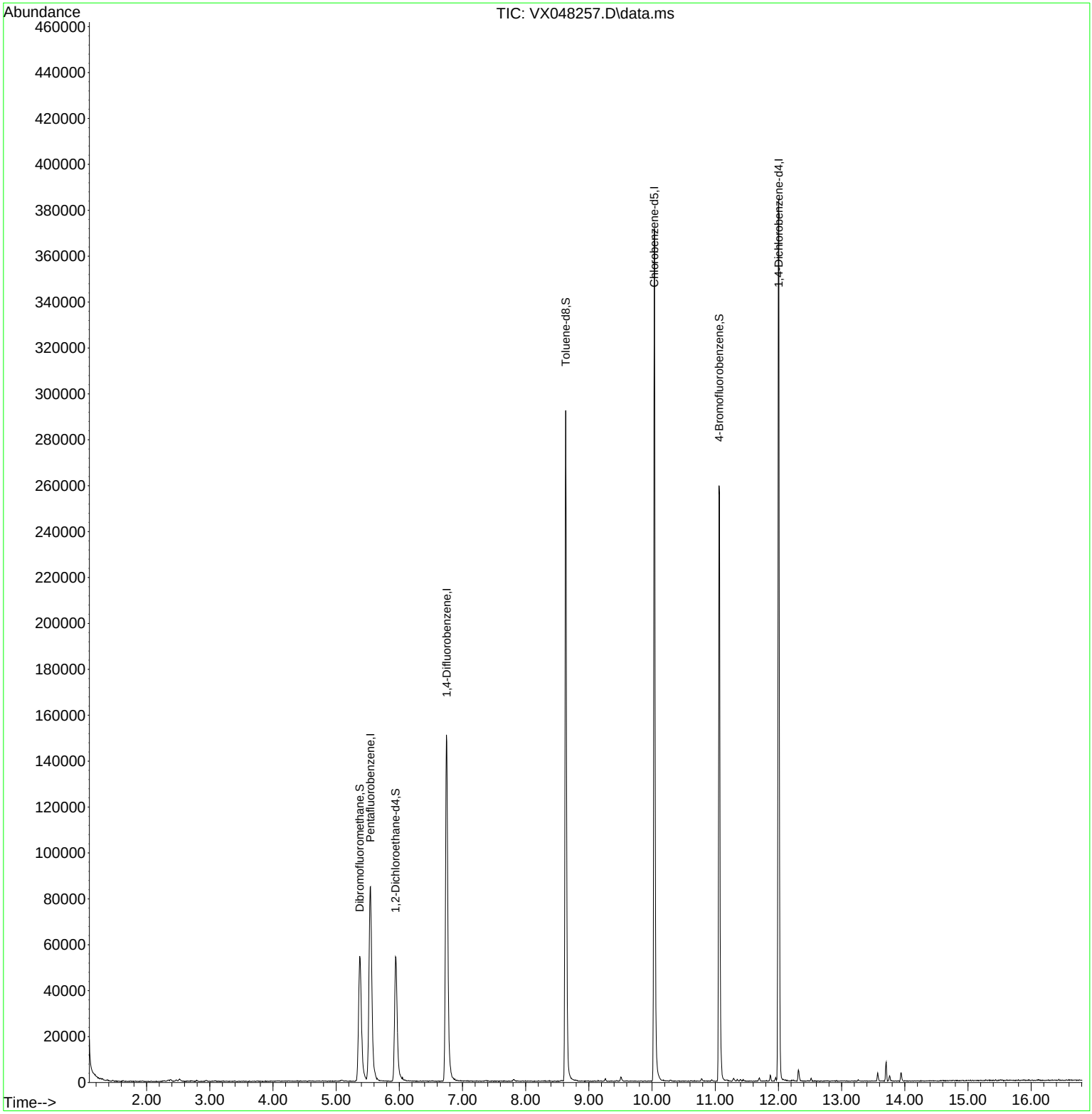
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 90641 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 171684 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 176825 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 86166 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 61446 | 48.350 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 96.700% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 54394 | 46.408 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 92.820% | | | |
| 50) Toluene-d8 | 8.634 | 98 | 184640 | 44.944 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 89.880%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 79196 | 50.673 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 101.340% | | | |
| Target Compounds | | | | | | Qvalue |

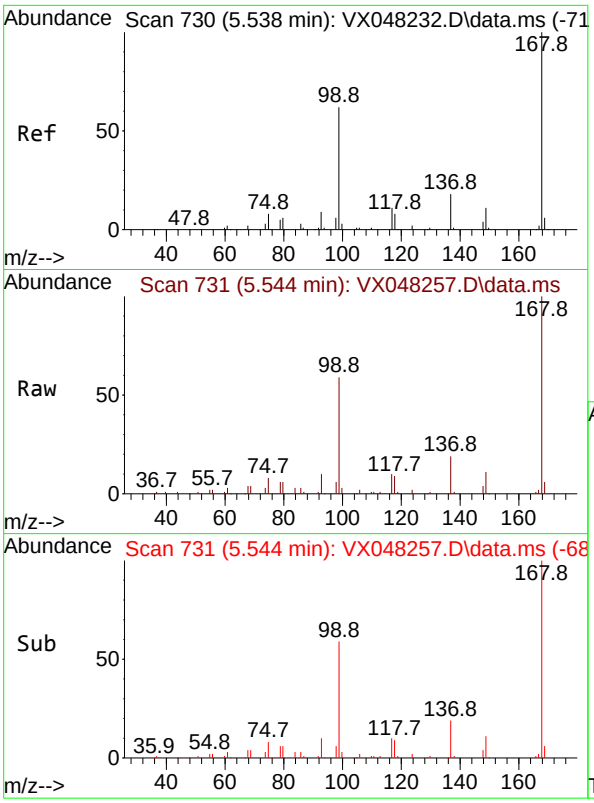
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048257.D
Acq On : 21 Oct 2025 10:54
Operator : JC/MD
Sample : Q3371-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251010

Quant Time: Oct 24 04:25:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



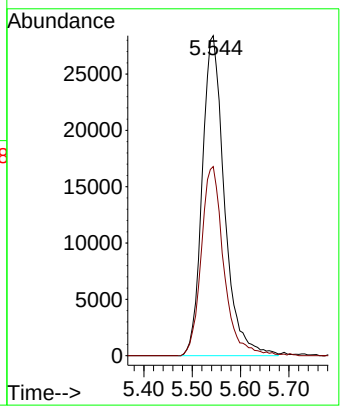


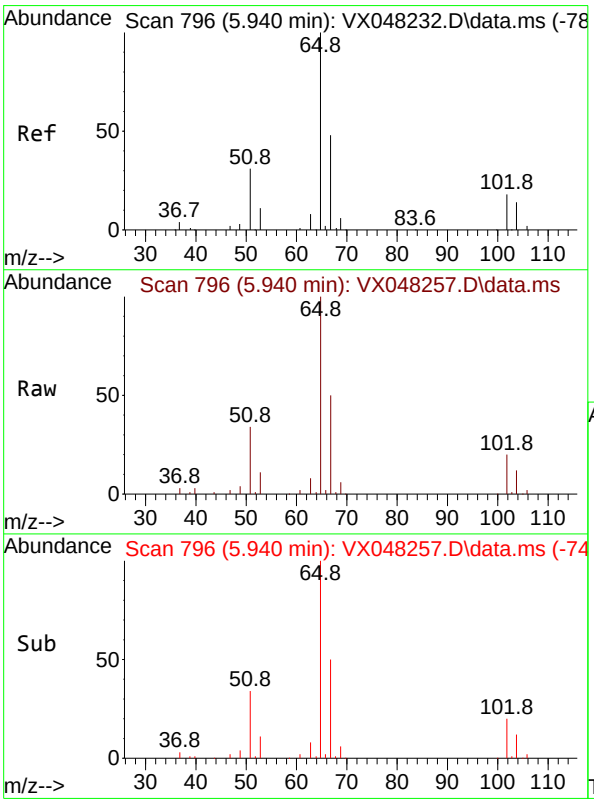

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048257.D
Acq: 21 Oct 2025 10:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251010

Tgt Ion:168 Resp: 90641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.1 | 46.4 | 69.6 |

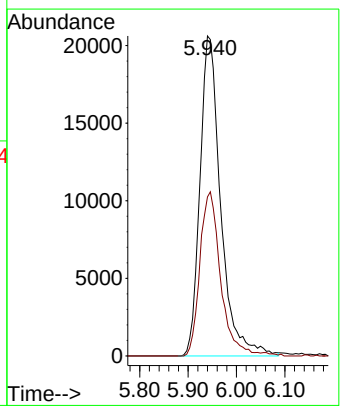


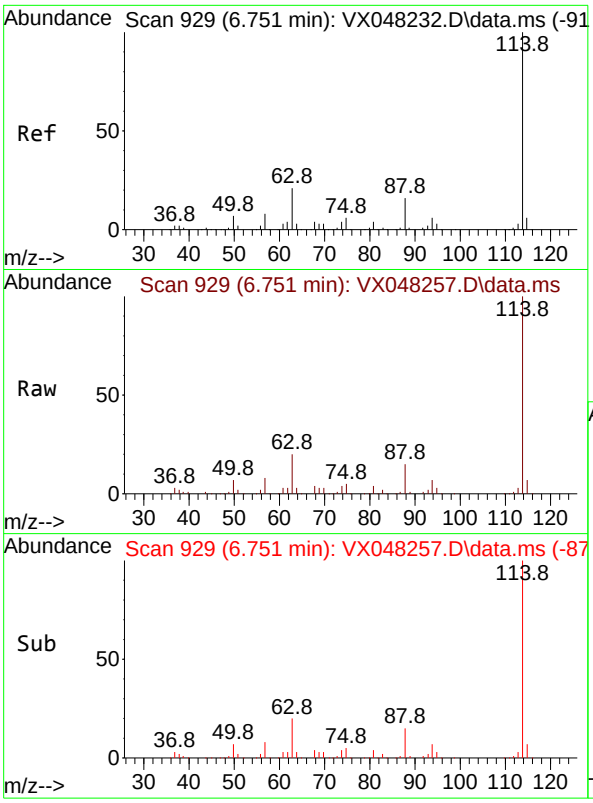




#33
1,2-Dichloroethane-d4
Concen: 48.350 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048257.D
Acq: 21 Oct 2025 10:54

Tgt Ion: 65 Resp: 61446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 105.0 |



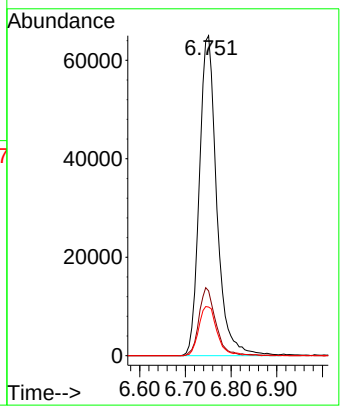


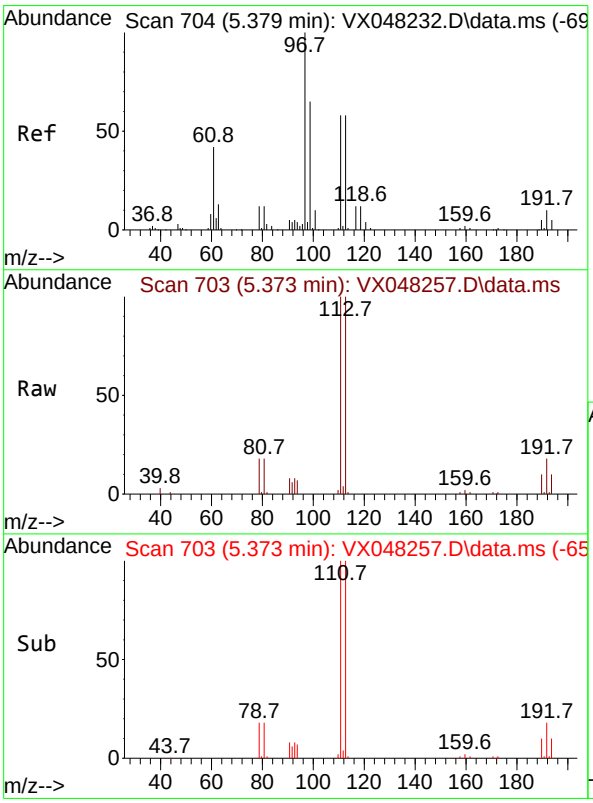

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX048257.D
Acq: 21 Oct 2025 10:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251010

Tgt Ion:114 Resp: 171684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 43.2 |
| 88 | 15.2 | 0.0 | 33.6 |

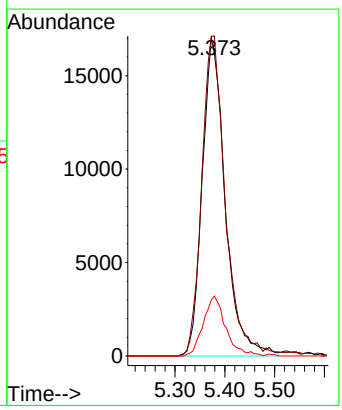


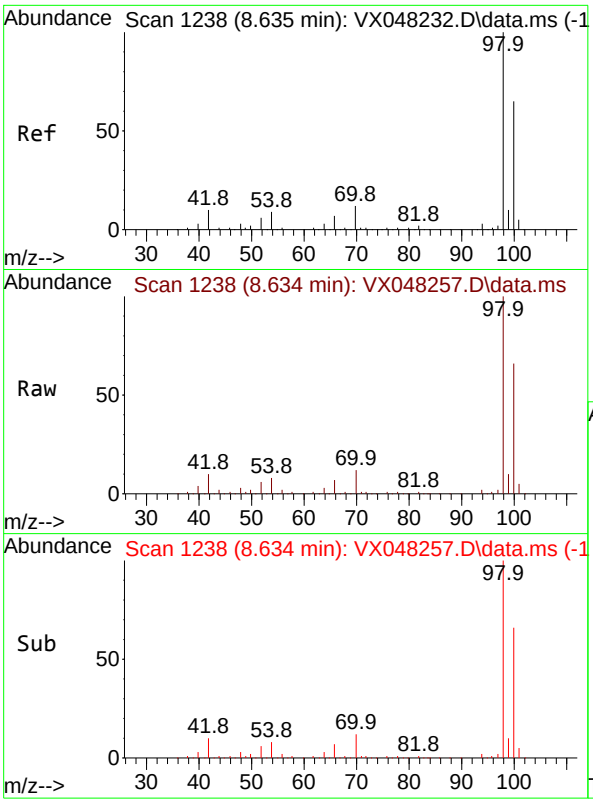




#35
Dibromofluoromethane
Concen: 46.408 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048257.D
Acq: 21 Oct 2025 10:54

Tgt Ion:113 Resp: 54394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 82.2 | 123.4 |
| 192 | 18.3 | 15.1 | 22.7 |



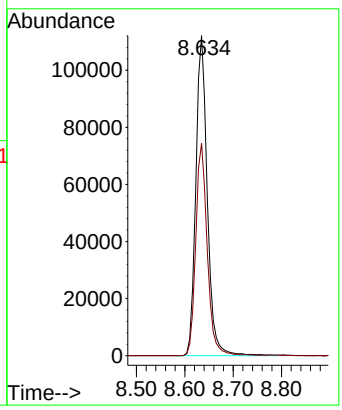


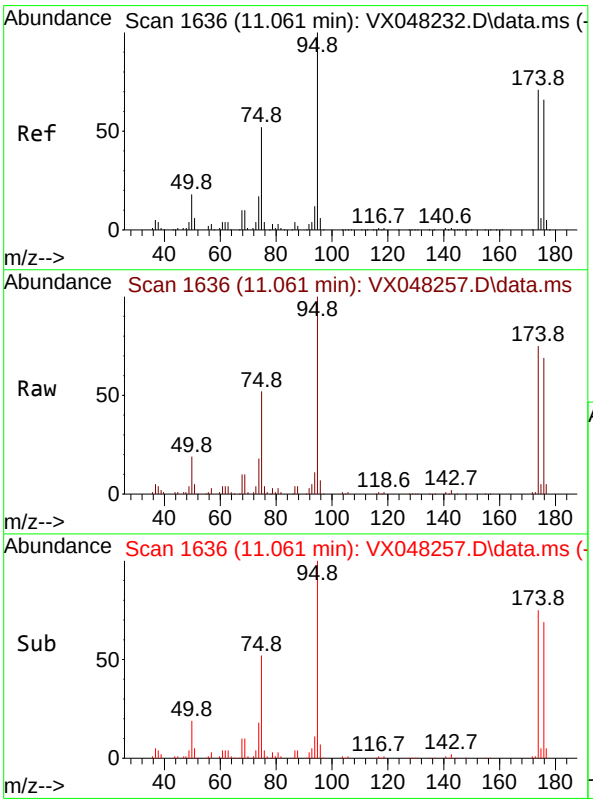

#50
Toluene-d8
Concen: 44.944 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048257.D
Acq: 21 Oct 2025 10:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251010

Tgt Ion: 98 Resp: 184640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.5 | 53.0 | 79.4 |

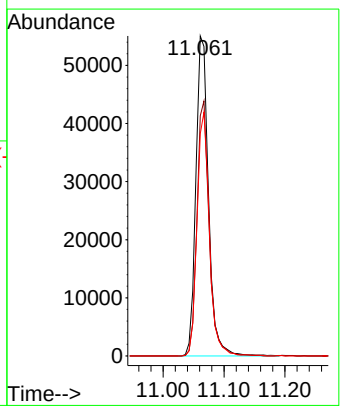


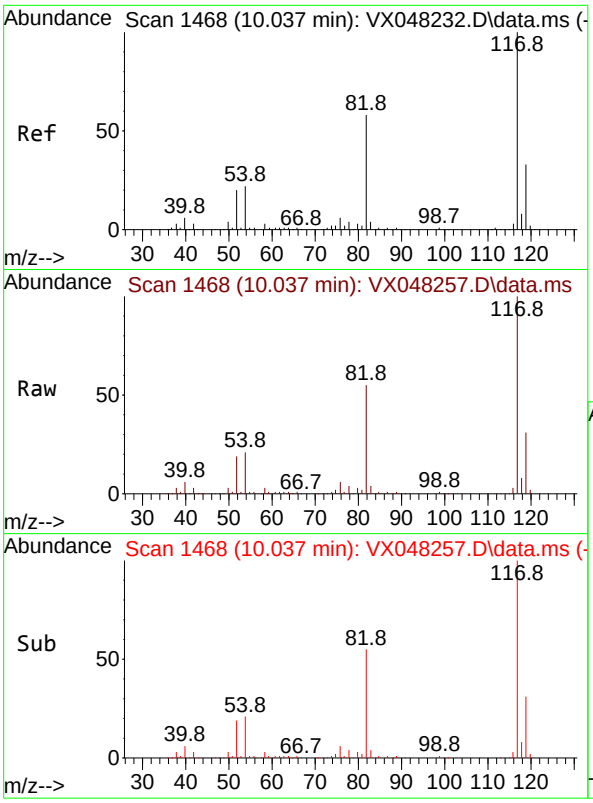




#62
4-Bromofluorobenzene
Concen: 50.673 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048257.D
Acq: 21 Oct 2025 10:54

Tgt Ion: 95 Resp: 79196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.2 | 0.0 | 147.8 |
| 176 | 75.0 | 0.0 | 142.8 |



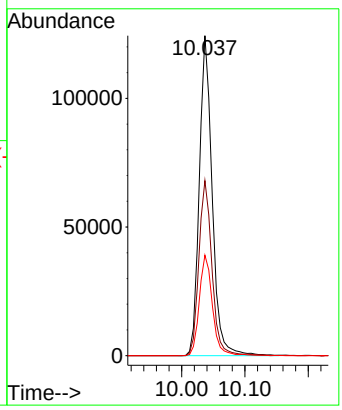


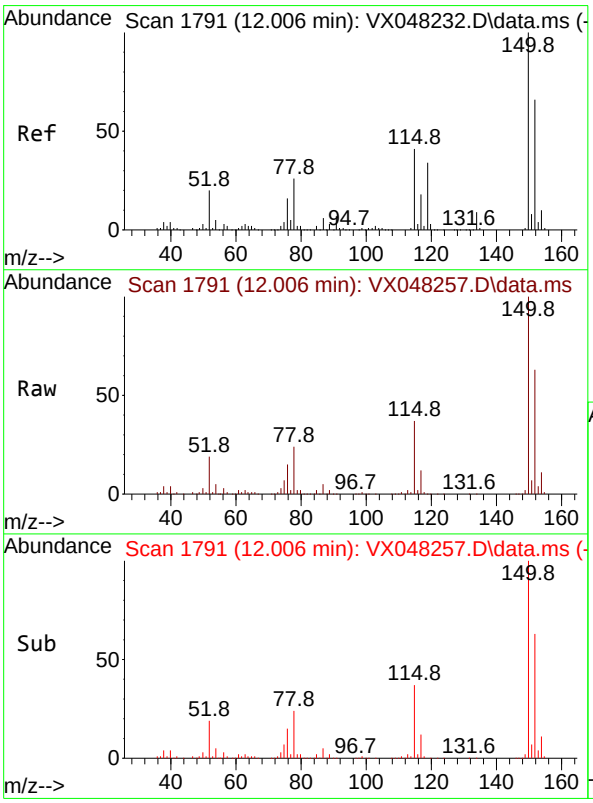

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048257.D
Acq: 21 Oct 2025 10:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251010

Tgt Ion:117 Resp: 176825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.7 | 46.5 | 69.7 |
| 119 | 31.4 | 25.9 | 38.9 |

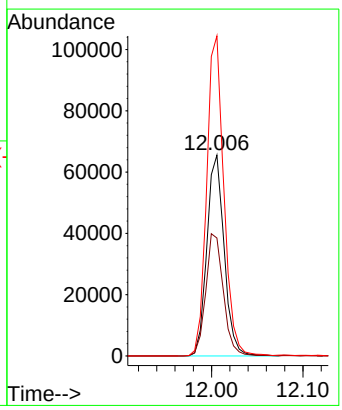



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048257.D
Acq: 21 Oct 2025 10:54

Tgt Ion:152 Resp: 86166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.8 | 43.1 | 129.4 |
| 150 | 157.7 | 0.0 | 353.0 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048257.D
Acq On : 21 Oct 2025 10:54
Operator : JC/MD
Sample : Q3371-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251010

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\82X102025W.M
Title : SW846 8260

Signal : TIC: VX048257.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 | 694 | 703 | 720 | rBV | 54314 | 173522 | 32.34% | 5.918% |
| 2 | 5.544 | 720 | 731 | 747 | rVV | 83996 | 261784 | 48.79% | 8.929% |
| 3 | 5.940 | 787 | 796 | 813 | rBV2 | 54249 | 160108 | 29.84% | 5.461% |
| 4 | 6.745 | 918 | 928 | 945 | rBV | 150945 | 394766 | 73.57% | 13.464% |
| 5 | 8.634 | 1232 | 1238 | 1254 | rBV | 292127 | 485001 | 90.39% | 16.542% |
| 6 | 10.037 | 1461 | 1468 | 1487 | rBV | 371619 | 536572 | 100.00% | 18.301% |
| 7 | 11.061 | 1631 | 1636 | 1650 | rBV | 259475 | 374365 | 69.77% | 12.768% |
| 8 | 12.006 | 1785 | 1791 | 1801 | rBV | 384125 | 522491 | 97.38% | 17.820% |
| 9 | 12.317 | 1838 | 1842 | 1847 | rBV3 | 4962 | 7481 | 1.39% | 0.255% |
| 10 | 13.707 | 2065 | 2070 | 2073 | rBV4 | 8411 | 10424 | 1.94% | 0.356% |
| 11 | 13.938 | 2105 | 2108 | 2115 | rBV3 | 3789 | 5476 | 1.02% | 0.187% |

Sum of corrected areas: 2931990

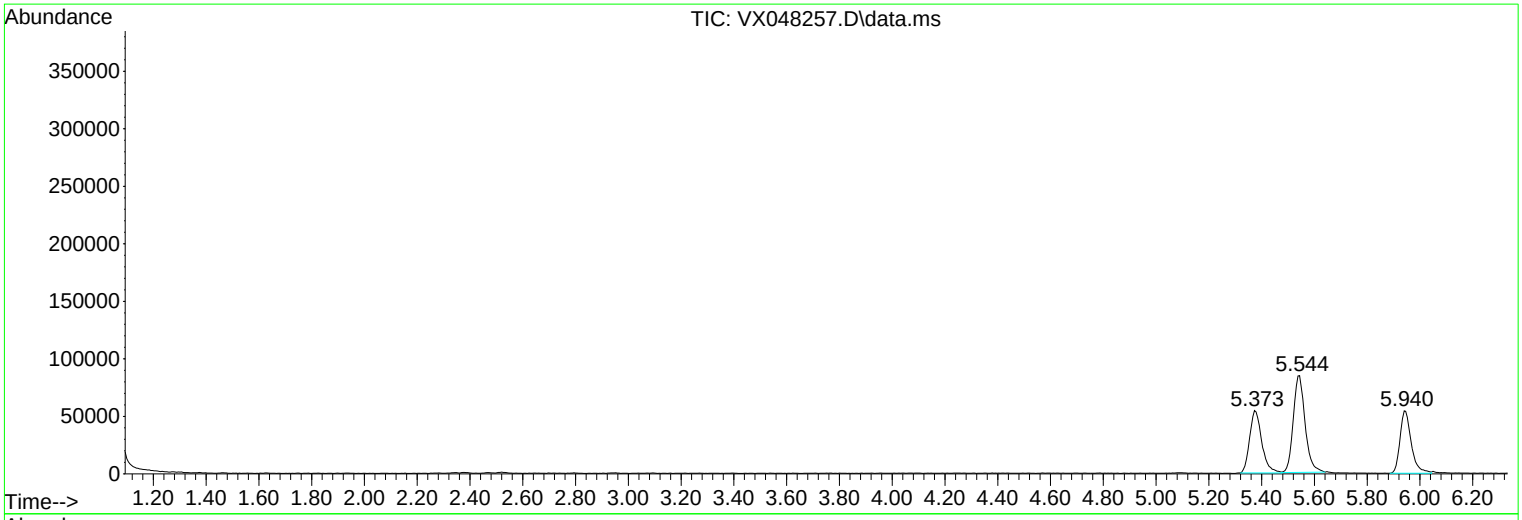
Sample Results: **VX048257.D**

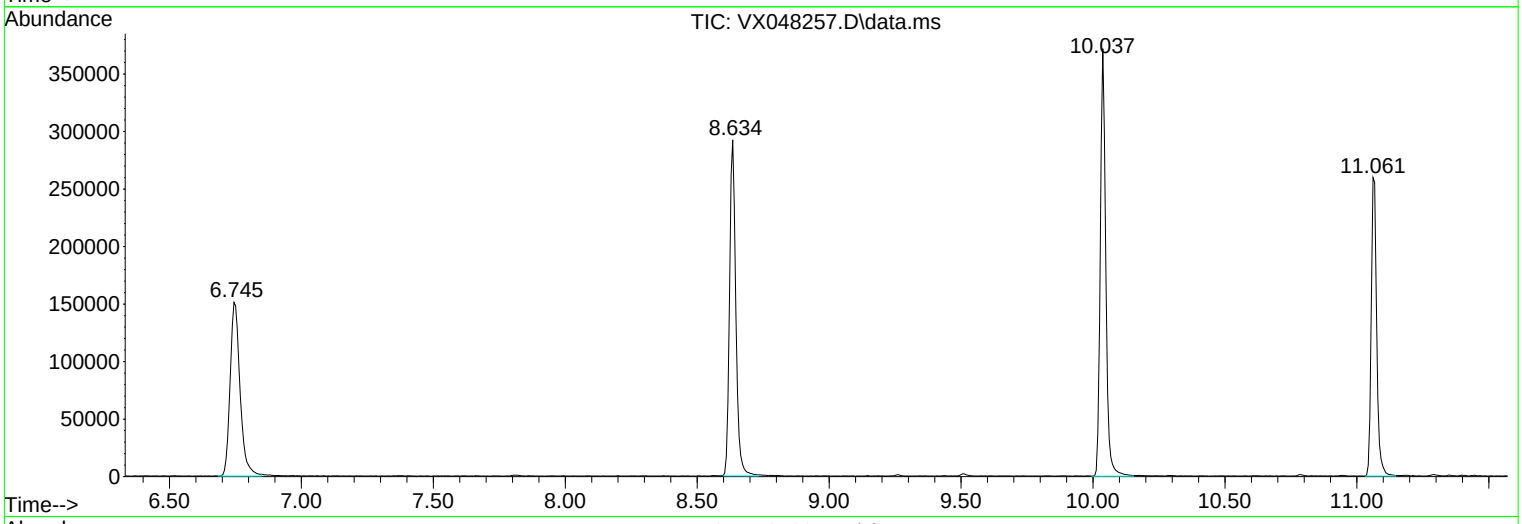
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048257.D
Acq On : 21 Oct 2025 10:54
Operator : JC/MD
Sample : Q3371-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

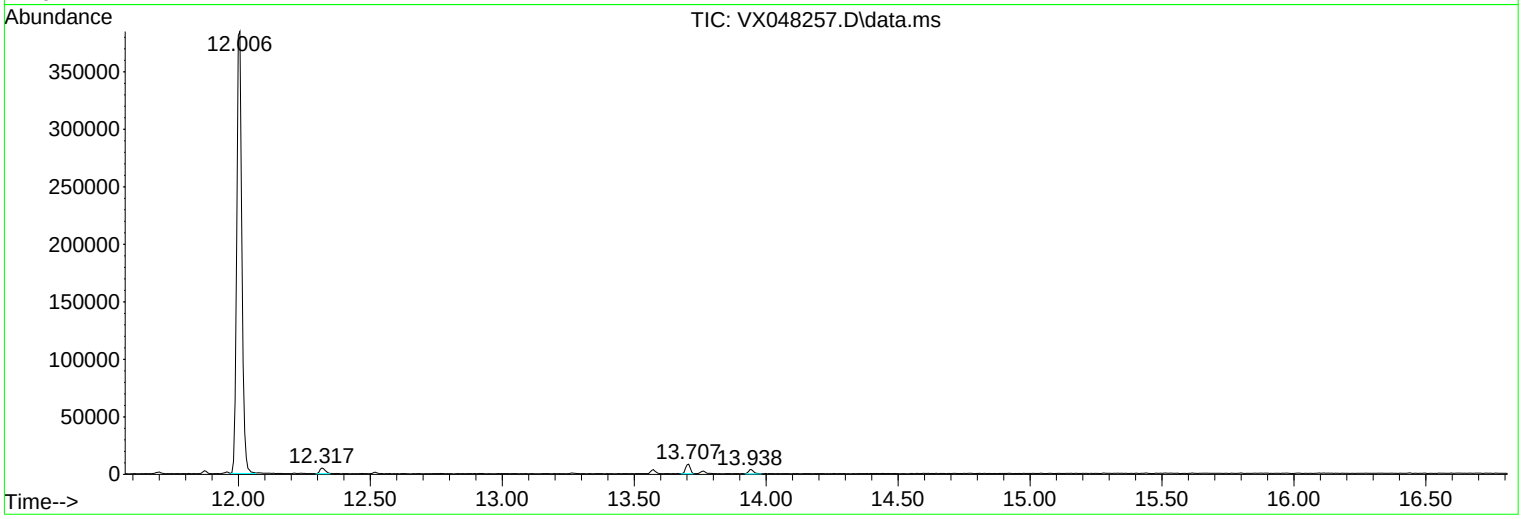
**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048257.D
Acq On : 21 Oct 2025 10:54
Operator : JC/MD
Sample : Q3371-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.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\VX102125\
Data File : VX048257.D
Acq On : 21 Oct 2025 10:54
Operator : JC/MD
Sample : Q3371-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

| TIC Top Hit name | RT | EstConc | Units | Response | Internal Standard # | Internal Standard RT | Internal Standard Resp | Internal Standard 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: | 10/15/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 10/16/25 |
| Client Sample ID: | BP-VPB-184-GW-915-917 | SDG No.: | Q3371 |
| Lab Sample ID: | Q3371-04 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 74-87-3 | Chloromethane | 0.50 | U | 1 | 0.32 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 1 | 0.26 | 0.75 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 74-83-9 | Bromomethane | 3.80 | U | 1 | 1.40 | 3.80 | 5.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 75-00-3 | Chloroethane | 0.75 | U | 1 | 0.47 | 0.75 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 1 | 0.33 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 1 | 0.23 | 0.75 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 67-64-1 | Acetone | 64.0 | | 1 | 1.50 | 3.80 | 5.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 75-15-0 | Carbon Disulfide | 0.36 | J | 1 | 0.21 | 0.75 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 79-20-9 | Methyl Acetate | 0.75 | U | 1 | 0.27 | 0.75 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 75-09-2 | Methylene Chloride | 0.50 | U | 1 | 0.28 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 110-82-7 | Cyclohexane | 2.50 | U | 1 | 1.50 | 2.50 | 5.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 78-93-3 | 2-Butanone | 12.5 | | 1 | 0.98 | 2.50 | 5.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 1 | 0.19 | 0.75 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 74-97-5 | Bromochloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 67-66-3 | Chloroform | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 71-43-2 | Benzene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 79-01-6 | Trichloroethene | 0.75 | U | 1 | 0.090 | 0.75 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 1 | 0.68 | 2.50 | 5.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 108-88-3 | Toluene | 0.50 | U | 1 | 0.14 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 1 | 0.17 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 1 | 0.21 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1 | 0.89 | 2.50 | 5.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 1 | 0.18 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 108-90-7 | Chlorobenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 1 | 0.13 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 1 | 0.24 | 1.00 | 2.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 95-47-6 | o-Xylene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 100-42-5 | Styrene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 75-25-2 | Bromoform | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |

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: | 10/15/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 10/16/25 |
| Client Sample ID: | BP-VPB-184-GW-915-917 | SDG No.: | Q3371 |
| Lab Sample ID: | Q3371-04 | Matrix: | Water |
| Analytical Method: | 8260D Level : LOW | % Solid: | 0 |
| Sample Wt/Vol: | 5 mL Final Vol: 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 1 | 0.26 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 1 | 0.53 | 0.75 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 1 | 0.20 | 0.75 | 1.00 | ug/L | 10/20/25 17:41 | VX102025 |
| **SURROGATES** | | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 51.0 | | | 81 - 118 | | 102% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 48.4 | | | 80 - 119 | | 97% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 47.1 | | | 89 - 112 | | 94% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 45.0 | | | 85 - 114 | | 90% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 107000 | | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 184000 | | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 170000 | | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 81000 | | | | | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | | | | |
| 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\VX102025\
Data File : VX048245.D
Acq On : 20 Oct 2025 17:41
Operator : JC/MD
Sample : Q3371-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-915-917

Quant Time: Oct 20 18:52:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

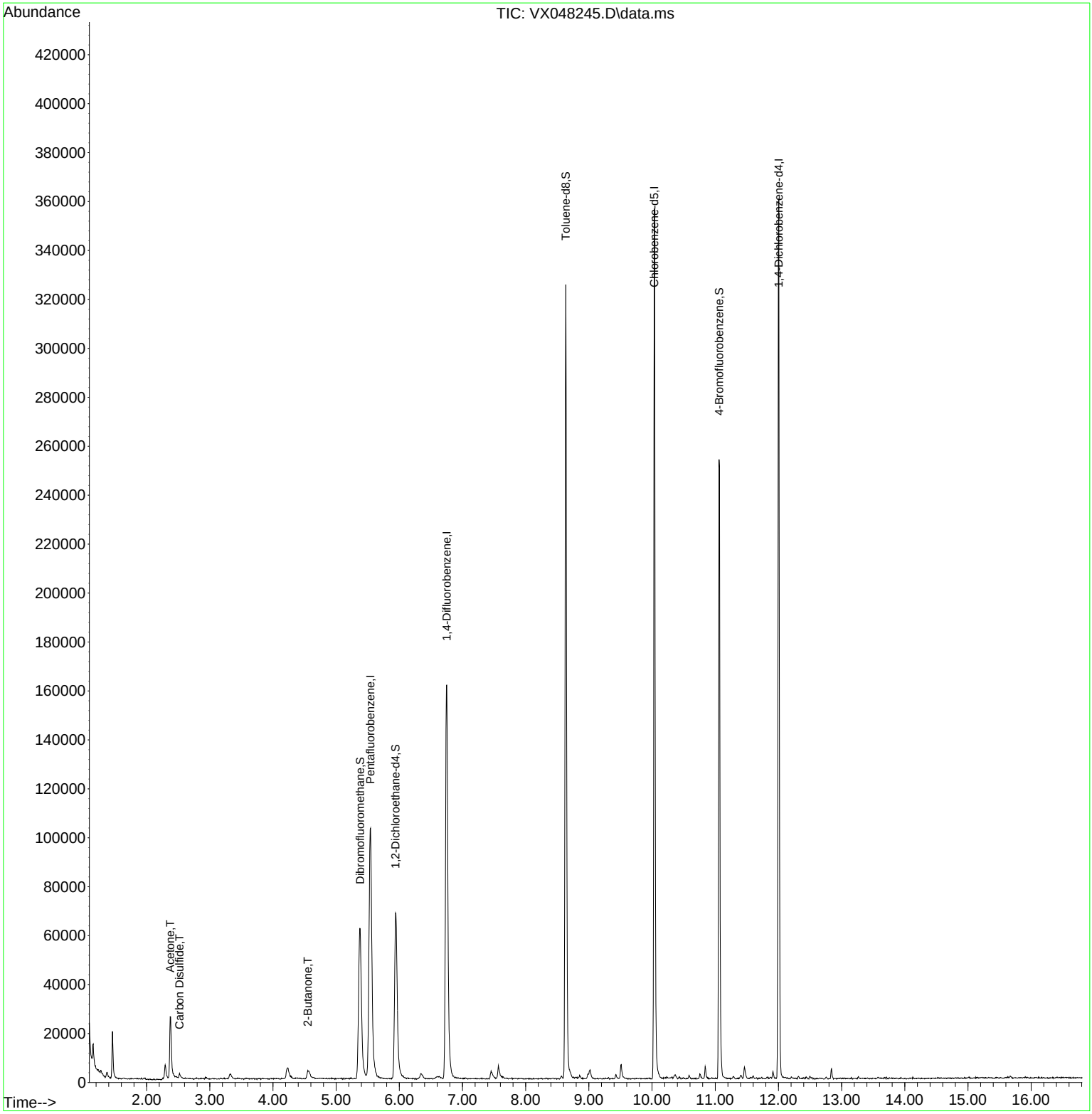
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 107423 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 183824 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 169870 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 81048 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 76776 | 50.975 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 101.960% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 60761 | 48.417 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.840% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 207133 | 47.089 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 94.180% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 75303 | 45.000 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 90.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.373 | 43 | 33048 | 63.960 | ug/l | 98 |
| 17) Carbon Disulfide | 2.520 | 76 | 1264 | 0.356 | ug/l | 97 |
| 25) 2-Butanone | 4.550 | 43 | 8182 | 12.511 | ug/l | 98 |

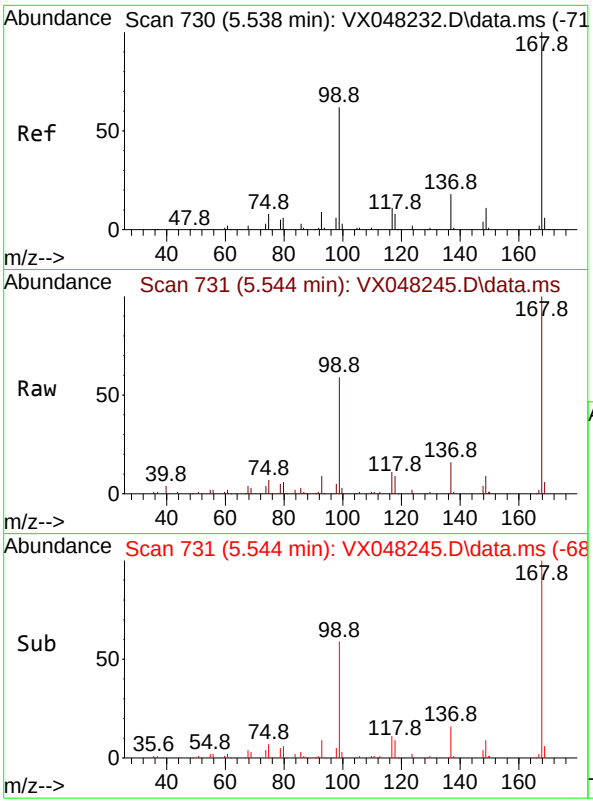
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048245.D
Acq On : 20 Oct 2025 17:41
Operator : JC/MD
Sample : Q3371-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-915-917

Quant Time: Oct 20 18:52:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



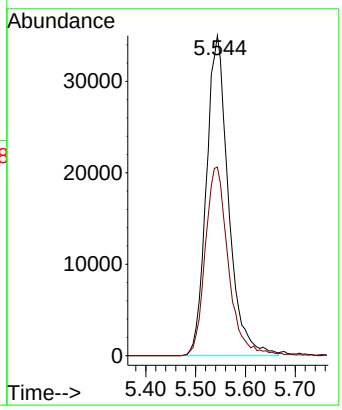


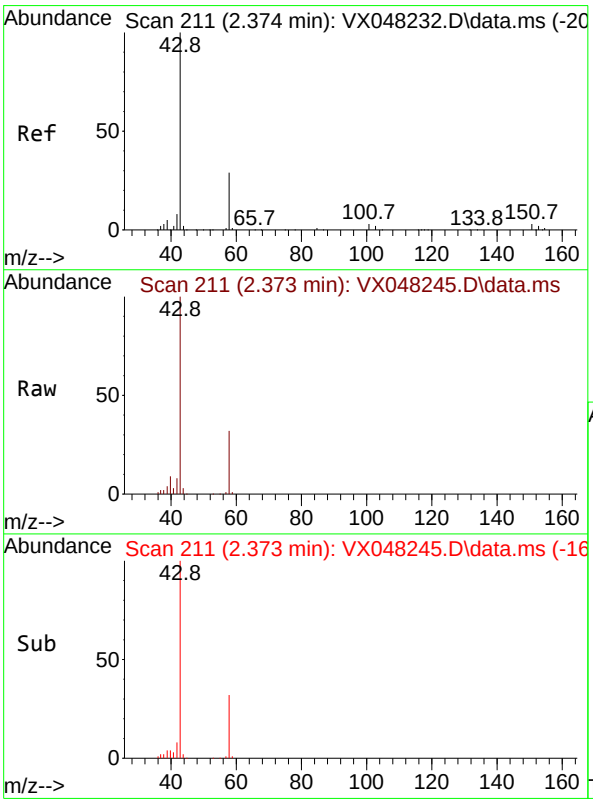

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-915-917

Tgt Ion:168 Resp: 107423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.0 | 46.4 | 69.6 |

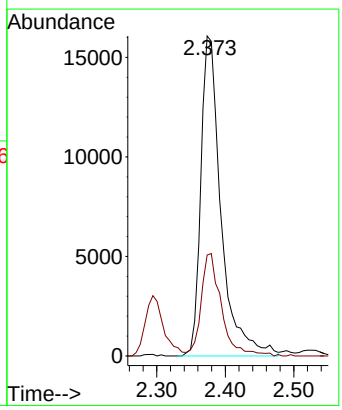


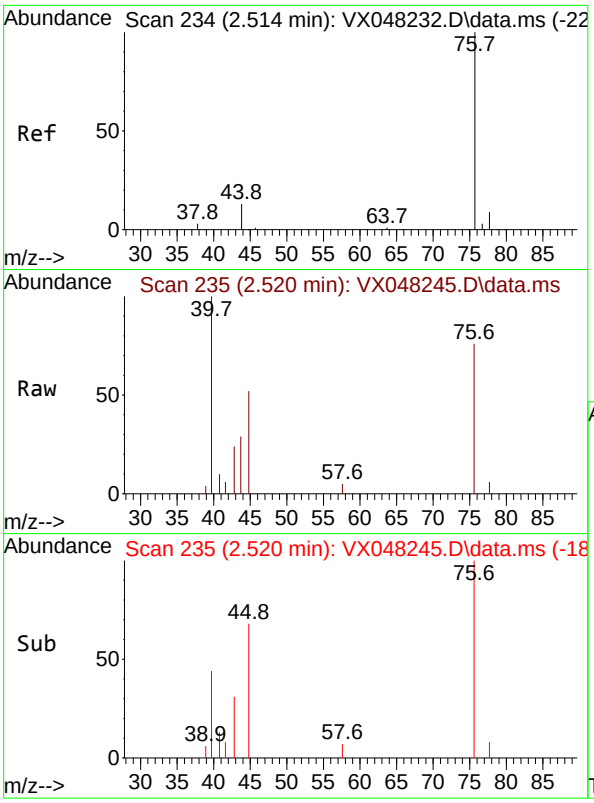




#16
Acetone
Concen: 63.960 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Tgt Ion: 43 Resp: 33048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.4 | 23.4 | 35.2 |



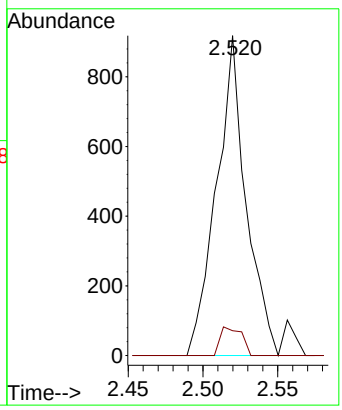


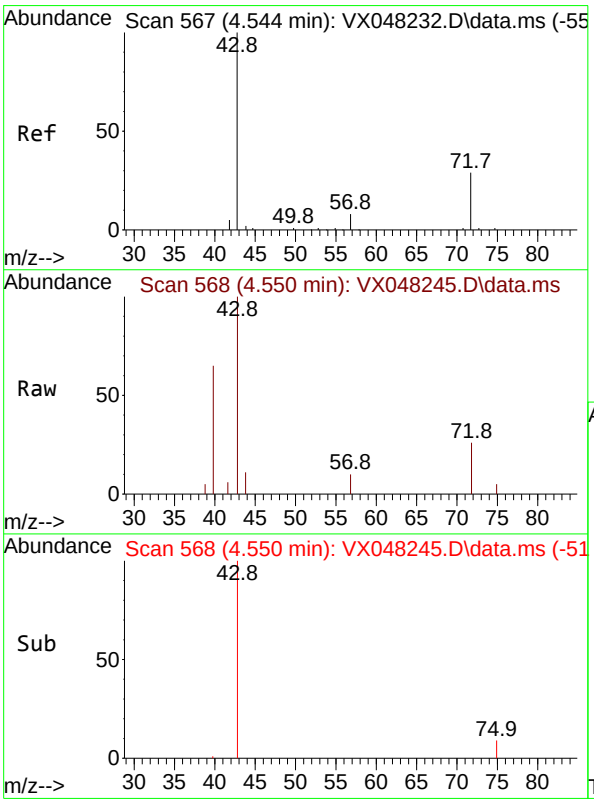

#17
Carbon Disulfide
Concen: 0.356 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-915-917

Tgt Ion: 76 Resp: 1264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 7.7 | 7.1 | 10.7 |

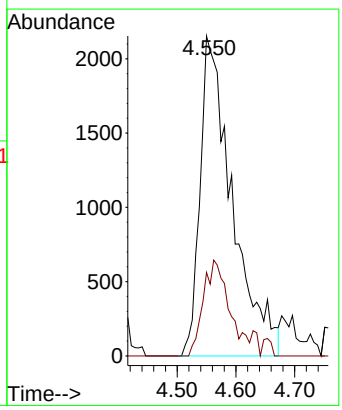


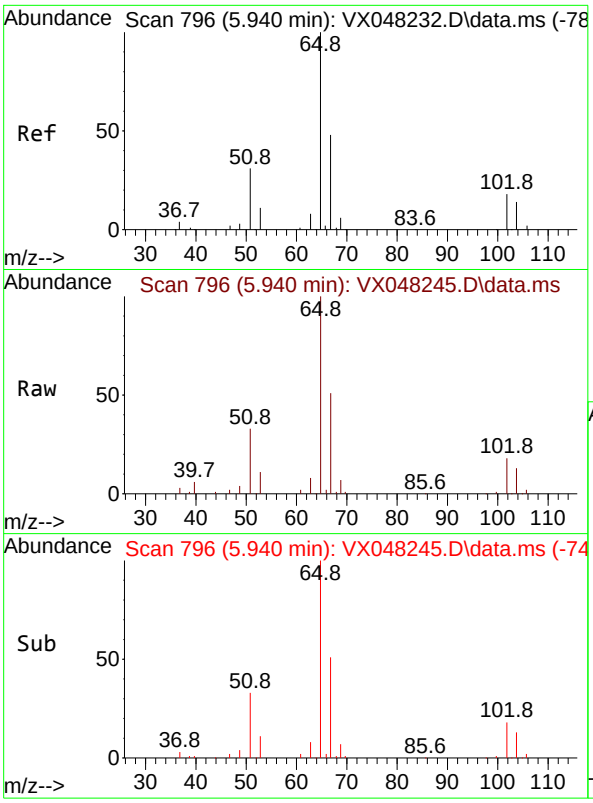




#25
2-Butanone
Concen: 12.511 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Tgt Ion: 43 Resp: 8182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.1 | 19.9 | 29.9 |



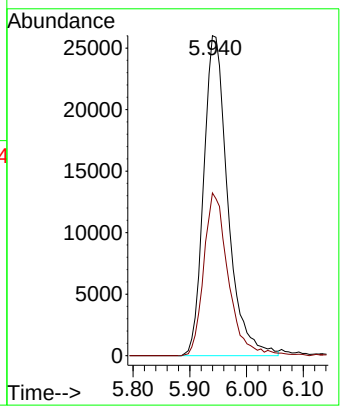


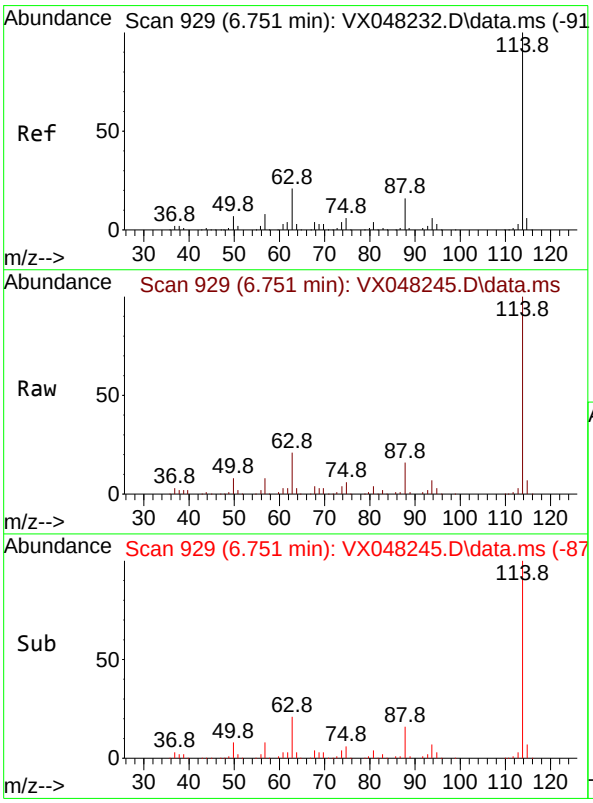

#33
1,2-Dichloroethane-d4
Concen: 50.975 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-915-917

Tgt Ion: 65 Resp: 76776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 105.0 |

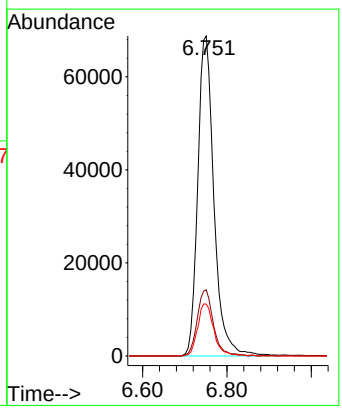


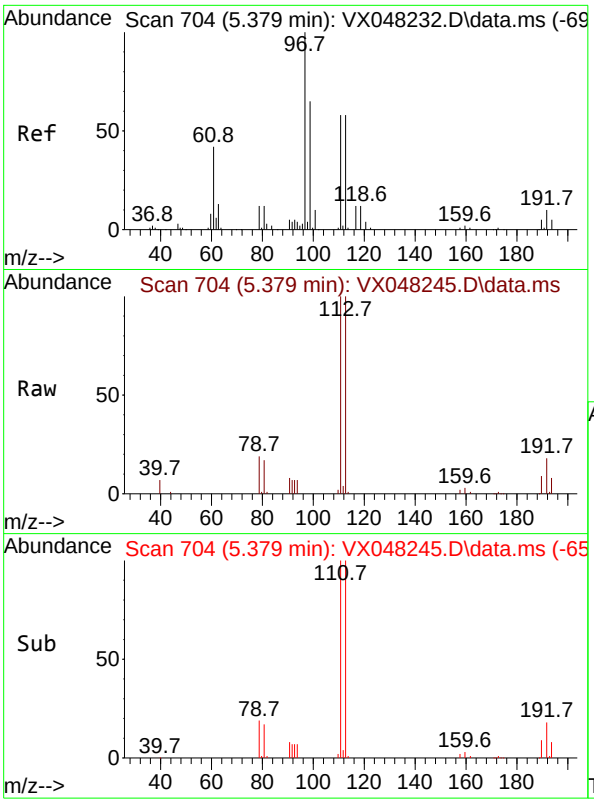




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Tgt Ion:114 Resp: 183824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 43.2 |
| 88 | 16.2 | 0.0 | 33.6 |



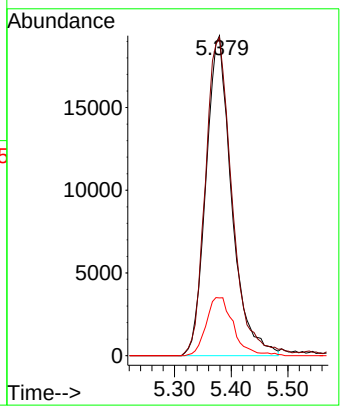


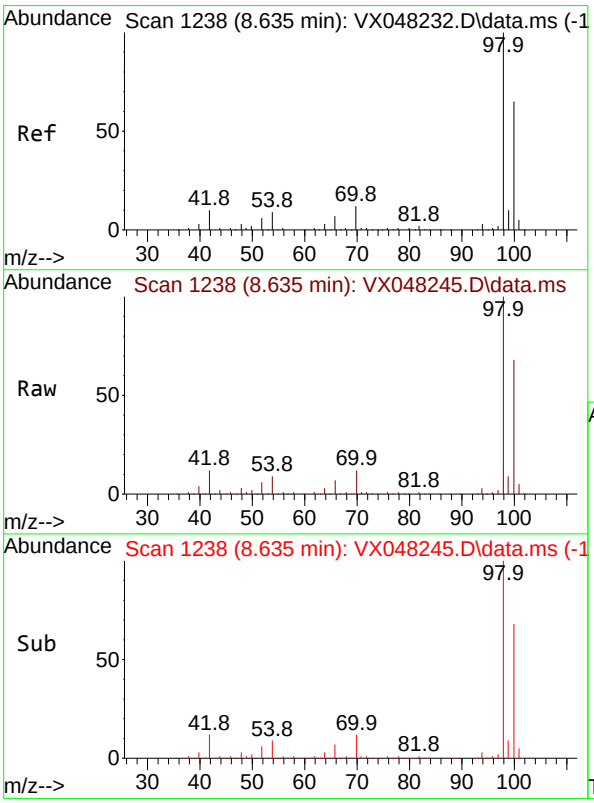

#35
Dibromofluoromethane
Concen: 48.417 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-915-917

Tgt Ion:113 Resp: 60761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.9 | 82.2 | 123.4 |
| 192 | 19.4 | 15.1 | 22.7 |

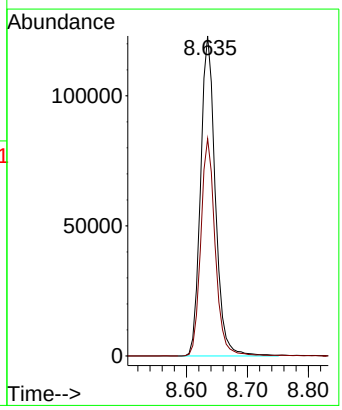


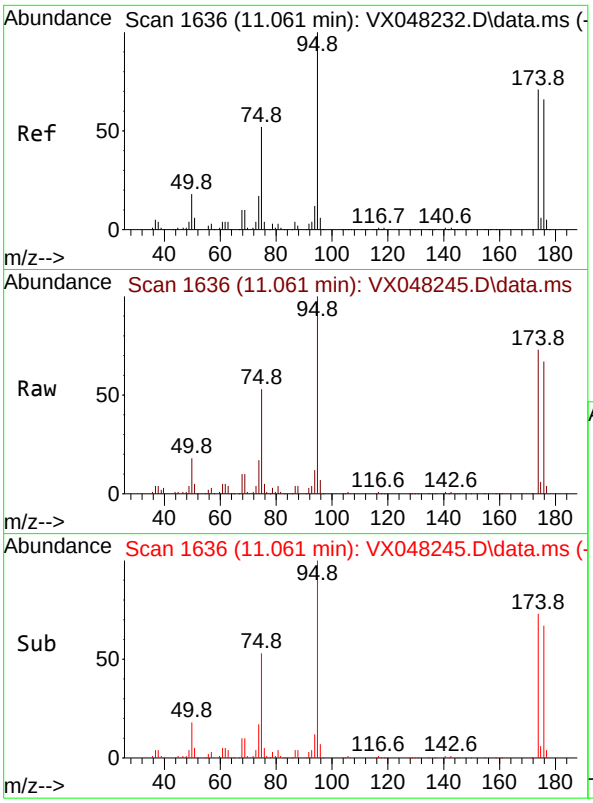




#50
Toluene-d8
Concen: 47.089 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Tgt Ion: 98 Resp: 207133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.2 | 53.0 | 79.4 |



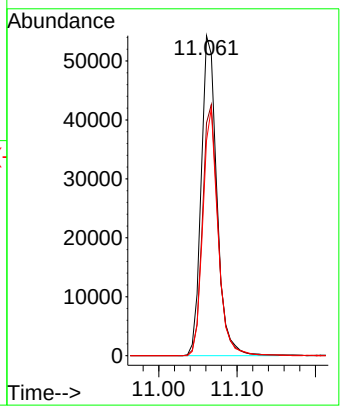


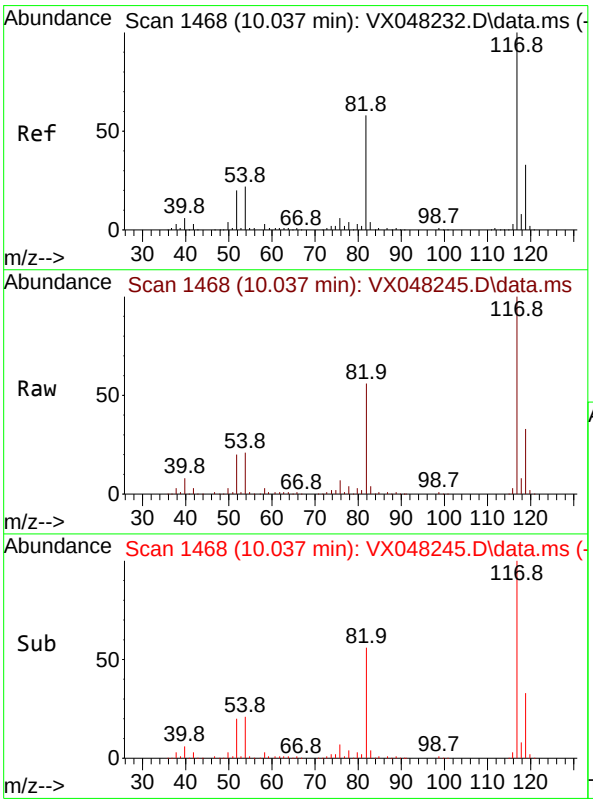

#62
4-Bromofluorobenzene
Concen: 45.000 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-915-917

Tgt Ion: 95 Resp: 75303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.4 | 0.0 | 147.8 |
| 176 | 75.2 | 0.0 | 142.8 |

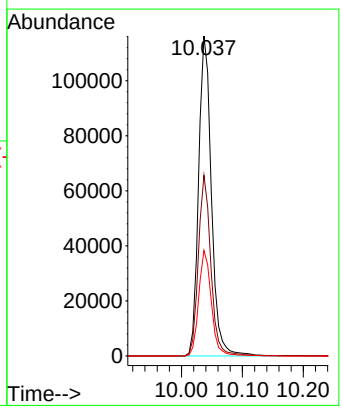


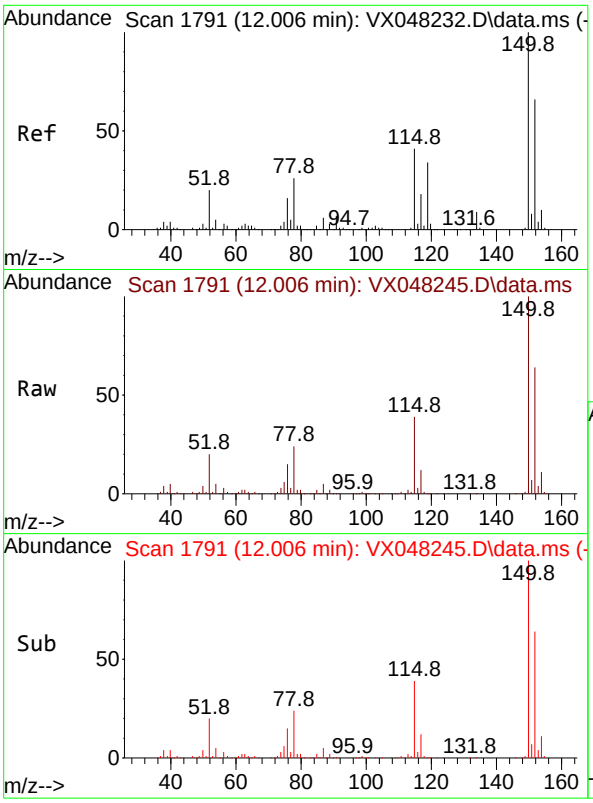




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Tgt Ion:117 Resp: 169870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.5 | 46.5 | 69.7 |
| 119 | 33.0 | 25.9 | 38.9 |



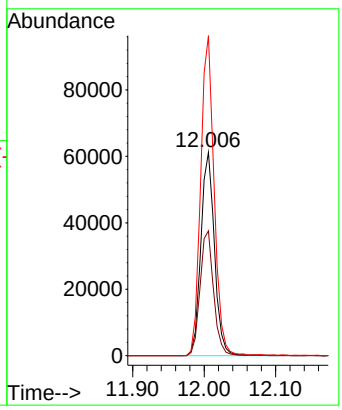



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-915-917

Tgt Ion:152 Resp: 81048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.9 | 43.1 | 129.4 |
| 150 | 155.0 | 0.0 | 353.0 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048245.D
Acq On : 20 Oct 2025 17:41
Operator : JC/MD
Sample : Q3371-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-915-917

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\82X102025W.M
Title : SW846 8260

Signal : TIC: VX048245.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 | 22 | rVB2 | 10787 | 18449 | 3.40% | 0.571% |
| 2 | 1.459 | 57 | 61 | 72 | rVB | 19085 | 24809 | 4.57% | 0.767% |
| 3 | 2.294 | 193 | 198 | 205 | rBV | 5668 | 9942 | 1.83% | 0.307% |
| 4 | 2.373 | 205 | 211 | 223 | rVV | 25048 | 49038 | 9.03% | 1.516% |
| 5 | 3.331 | 361 | 368 | 379 | rVB3 | 2045 | 5916 | 1.09% | 0.183% |
| 6 | 4.233 | 507 | 516 | 530 | rVB5 | 4501 | 15271 | 2.81% | 0.472% |
| 7 | 5.373 | 693 | 703 | 719 | rBV4 | 61435 | 198445 | 36.55% | 6.137% |
| 8 | 5.544 | 720 | 731 | 748 | rVB | 101459 | 316289 | 58.26% | 9.781% |
| 9 | 5.940 | 786 | 796 | 815 | rBV2 | 67813 | 203109 | 37.41% | 6.281% |
| 10 | 6.342 | 855 | 862 | 873 | rBV4 | 2142 | 6317 | 1.16% | 0.195% |
| 11 | 6.751 | 919 | 929 | 945 | rBV | 160941 | 427254 | 78.70% | 13.213% |
| 12 | 7.452 | 1039 | 1044 | 1053 | rBV3 | 3326 | 8731 | 1.61% | 0.270% |
| 13 | 7.568 | 1058 | 1063 | 1069 | rBV3 | 5234 | 9929 | 1.83% | 0.307% |
| 14 | 8.635 | 1231 | 1238 | 1257 | rBV | 324332 | 542882 | 100.00% | 16.788% |
| 15 | 9.019 | 1297 | 1301 | 1308 | rVB4 | 3575 | 7171 | 1.32% | 0.222% |
| 16 | 9.512 | 1376 | 1382 | 1392 | rBV | 5712 | 10511 | 1.94% | 0.325% |
| 17 | 10.037 | 1462 | 1468 | 1483 | rBV | 355730 | 513627 | 94.61% | 15.884% |
| 18 | 10.841 | 1594 | 1600 | 1610 | rVB3 | 5102 | 7930 | 1.46% | 0.245% |
| 19 | 11.061 | 1631 | 1636 | 1653 | rBV | 253025 | 360097 | 66.33% | 11.136% |
| 20 | 11.463 | 1697 | 1702 | 1711 | rVB3 | 4775 | 8472 | 1.56% | 0.262% |
| 21 | 12.006 | 1785 | 1791 | 1800 | rBV | 359468 | 483734 | 89.10% | 14.959% |
| 22 | 12.841 | 1924 | 1928 | 1933 | rVB3 | 4224 | 5772 | 1.06% | 0.178% |

Sum of corrected areas: 3233695

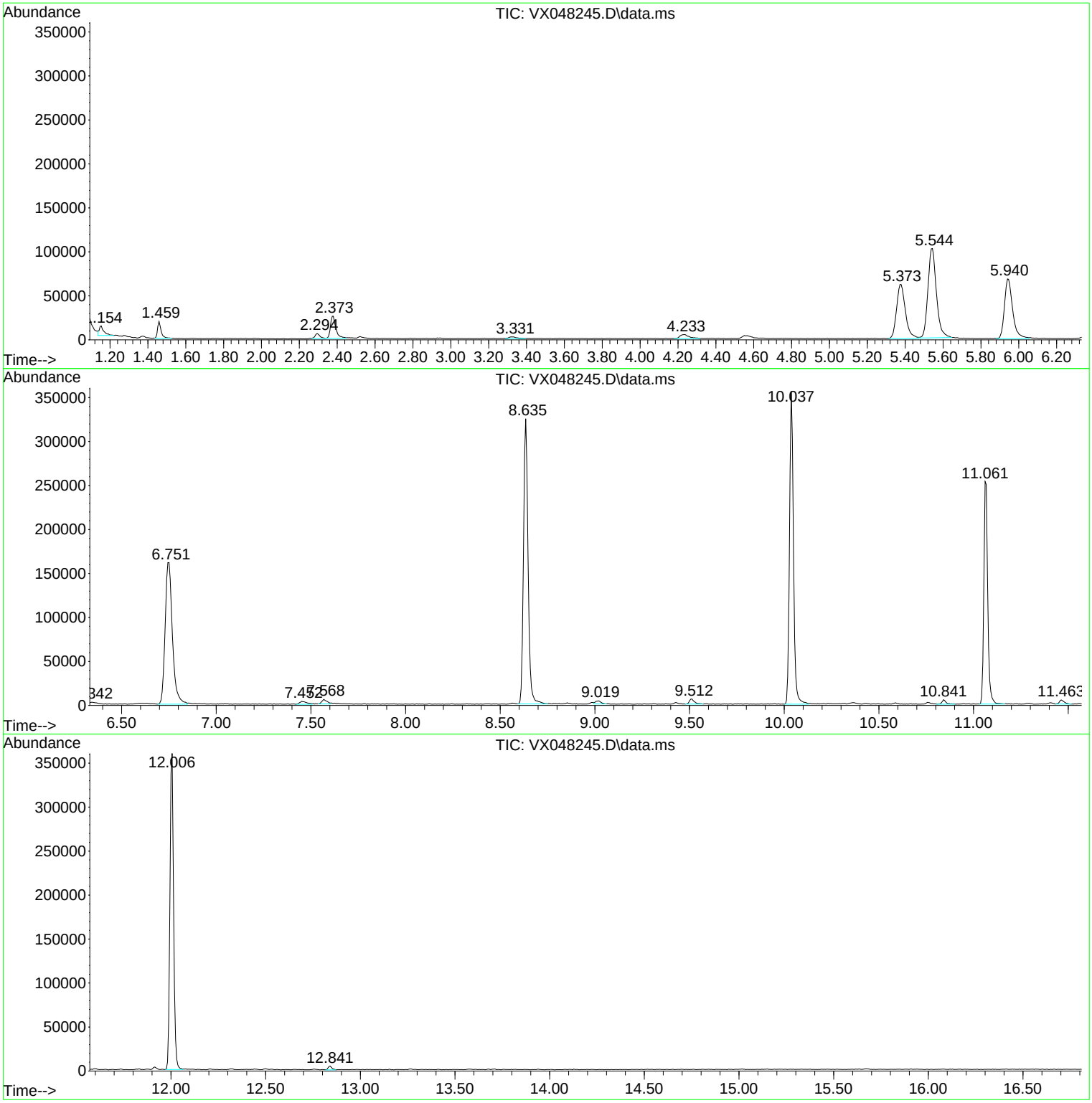
Sample Results: **VX048245.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048245.D
Acq On : 20 Oct 2025 17:41
Operator : JC/MD
Sample : Q3371-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-915-917

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048245.D
Acq On : 20 Oct 2025 17:41
Operator : JC/MD
Sample : Q3371-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-915-917

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

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

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048245.D
Acq On : 20 Oct 2025 17:41
Operator : JC/MD
Sample : Q3371-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-915-917

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

| TIC Top Hit name | RT | EstConc | Units | Response | Internal Standard # | Internal Standard RT | Internal Standard Resp | Internal Standard 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: | 10/15/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 10/16/25 |
| Client Sample ID: | BP-VPB-184-GW-920-922 | SDG No.: | Q3371 |
| Lab Sample ID: | Q3371-05 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 74-87-3 | Chloromethane | 0.50 | U | 1 | 0.32 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 1 | 0.26 | 0.75 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 74-83-9 | Bromomethane | 3.80 | U | 1 | 1.40 | 3.80 | 5.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 75-00-3 | Chloroethane | 0.75 | U | 1 | 0.47 | 0.75 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 1 | 0.33 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 1 | 0.23 | 0.75 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 67-64-1 | Acetone | 3.80 | U | 1 | 1.50 | 3.80 | 5.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 1 | 0.21 | 0.75 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 79-20-9 | Methyl Acetate | 0.75 | U | 1 | 0.27 | 0.75 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 75-09-2 | Methylene Chloride | 0.50 | U | 1 | 0.28 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 110-82-7 | Cyclohexane | 2.50 | U | 1 | 1.50 | 2.50 | 5.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 78-93-3 | 2-Butanone | 2.50 | U | 1 | 0.98 | 2.50 | 5.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 1 | 0.19 | 0.75 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 74-97-5 | Bromochloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 67-66-3 | Chloroform | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 71-43-2 | Benzene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 79-01-6 | Trichloroethene | 0.75 | U | 1 | 0.090 | 0.75 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 1 | 0.68 | 2.50 | 5.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 108-88-3 | Toluene | 0.50 | U | 1 | 0.14 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 1 | 0.17 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 1 | 0.21 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1 | 0.89 | 2.50 | 5.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 1 | 0.18 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 108-90-7 | Chlorobenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 1 | 0.13 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 1 | 0.24 | 1.00 | 2.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 95-47-6 | o-Xylene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 100-42-5 | Styrene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 75-25-2 | Bromoform | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |

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: | 10/15/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 10/16/25 |
| Client Sample ID: | BP-VPB-184-GW-920-922 | SDG No.: | Q3371 |
| Lab Sample ID: | Q3371-05 | Matrix: | Water |
| Analytical Method: | 8260D Level : LOW | % Solid: | 0 |
| Sample Wt/Vol: | 5 mL Final Vol: 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 1 | 0.26 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 1 | 0.53 | 0.75 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 1 | 0.20 | 0.75 | 1.00 | ug/L | 10/20/25 18:02 | VX102025 |
| **SURROGATES** | | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 55.9 | | | 81 - 118 | | 112% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 53.2 | | | 80 - 119 | | 106% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 51.4 | | | 89 - 112 | | 103% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 48.7 | | | 85 - 114 | | 97% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 122000 | | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 210000 | | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 194000 | | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 92900 | | | | | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | | | | |
| 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\VX102025\
Data File : VX048246.D
Acq On : 20 Oct 2025 18:02
Operator : JC/MD
Sample : Q3371-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-920-922

Quant Time: Oct 20 18:54:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 122446 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 210478 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 193818 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 92863 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 95954 | 55.892 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 111.780% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 76505 | 53.242 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 106.480% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 258724 | 51.369 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 102.740% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 93348 | 48.719 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 97.440% | | | |

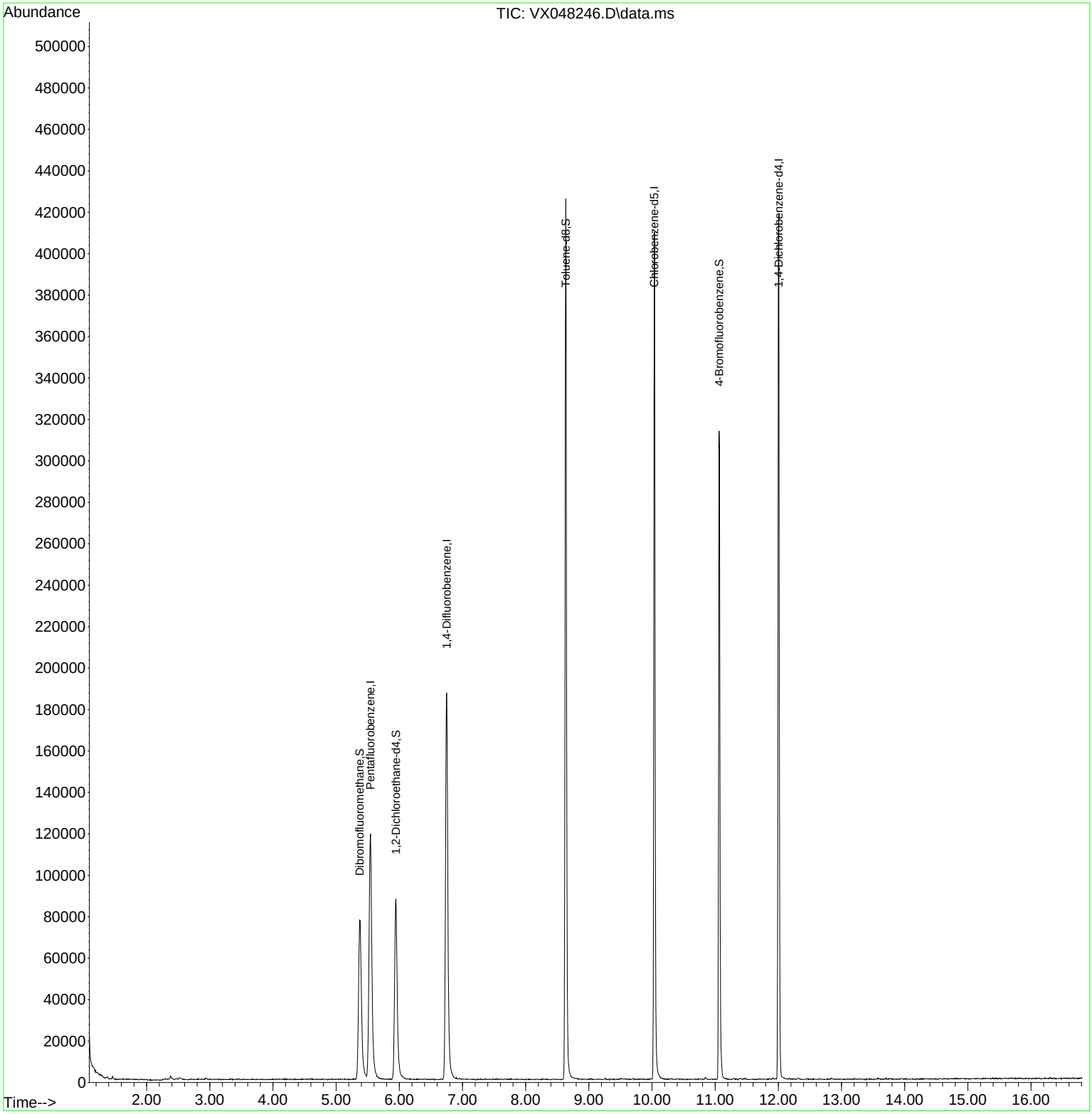
Target Compounds Qvalue

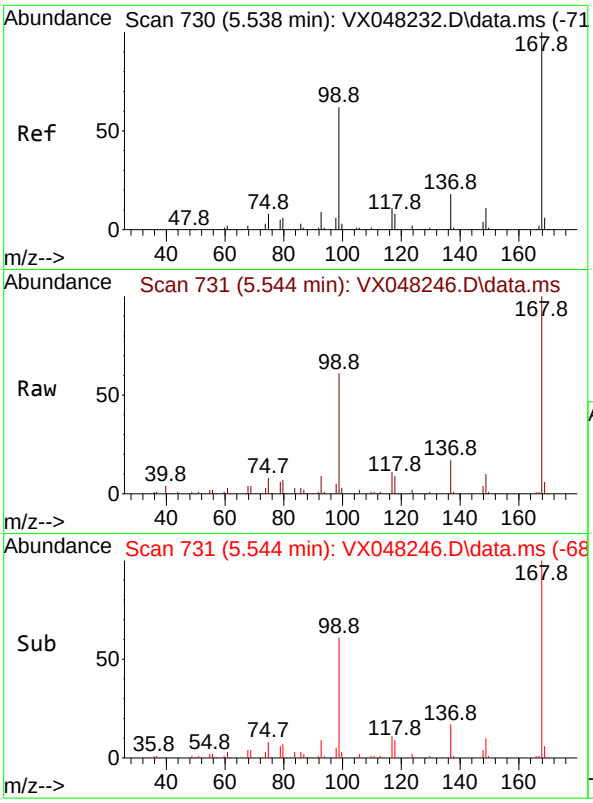
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048246.D
Acq On : 20 Oct 2025 18:02
Operator : JC/MD
Sample : Q3371-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-920-922

Quant Time: Oct 20 18:54:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



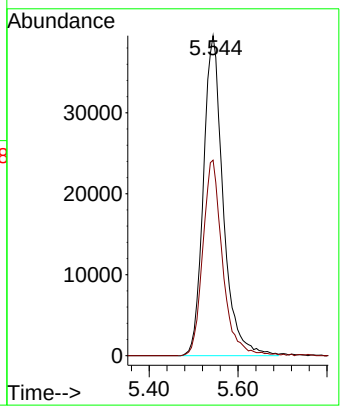


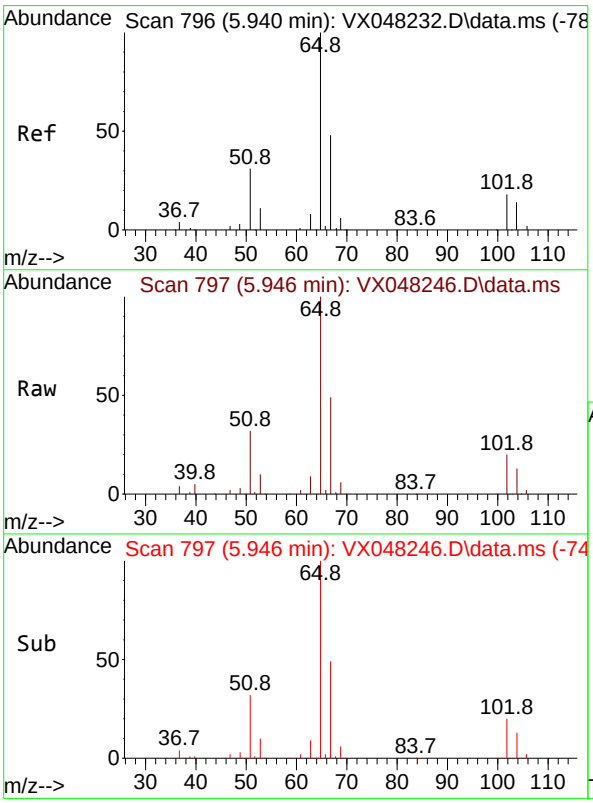

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048246.D
Acq: 20 Oct 2025 18:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-920-922

Tgt Ion:168 Resp: 122446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.1 | 46.4 | 69.6 |

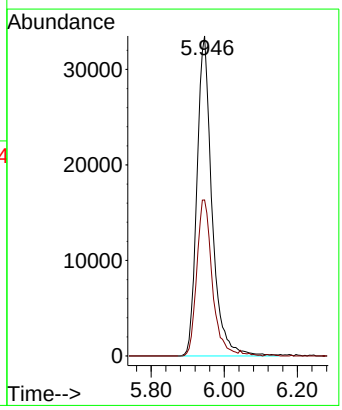


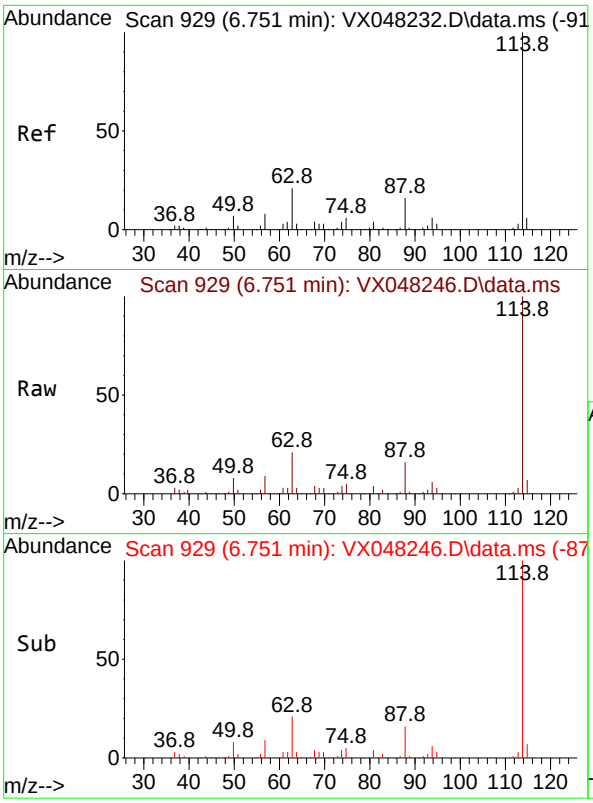




#33
1,2-Dichloroethane-d4
Concen: 55.892 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048246.D
Acq: 20 Oct 2025 18:02

Tgt Ion: 65 Resp: 95954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.0 | 0.0 | 105.0 |



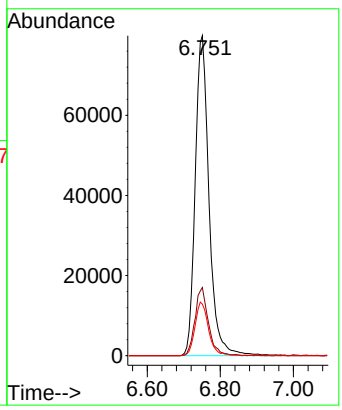


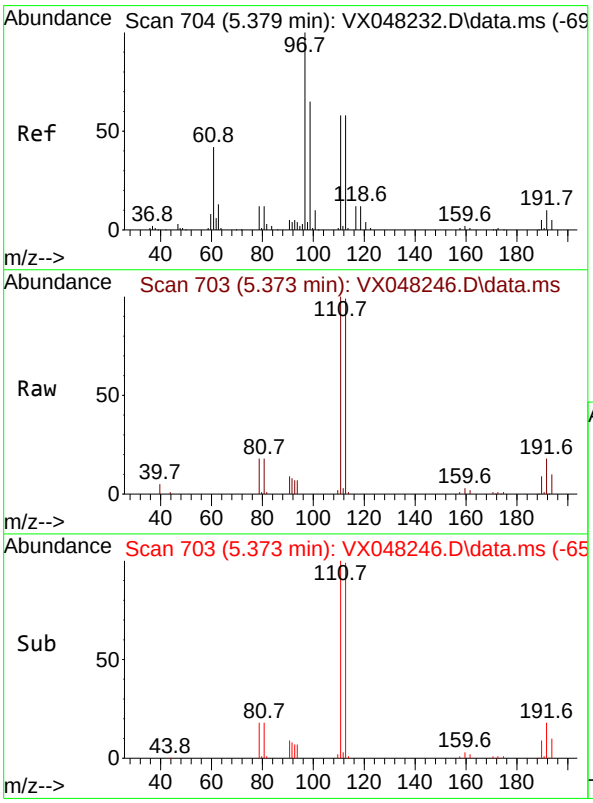

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX048246.D
Acq: 20 Oct 2025 18:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-920-922

Tgt Ion:114 Resp: 210478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 0.0 | 43.2 |
| 88 | 16.1 | 0.0 | 33.6 |

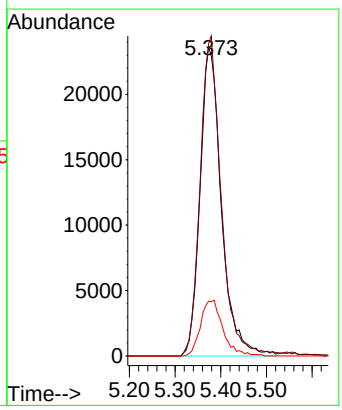


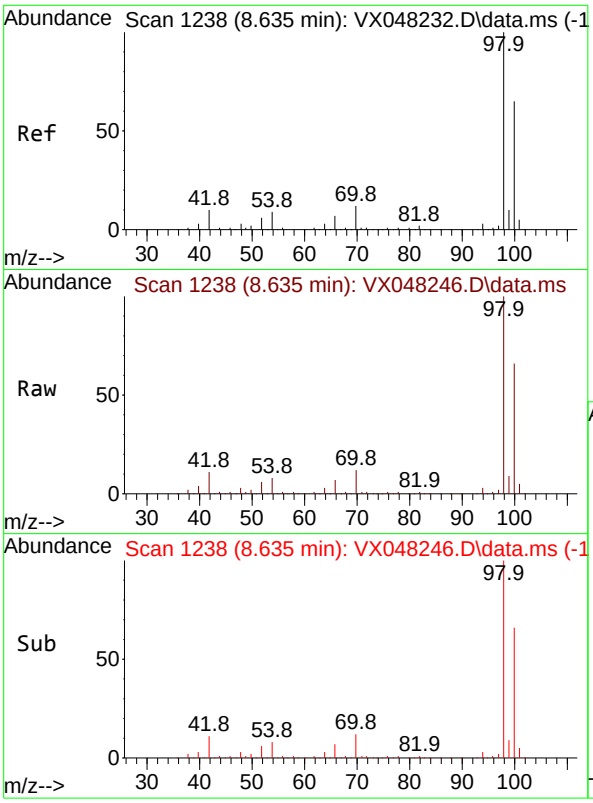




#35
Dibromofluoromethane
Concen: 53.242 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048246.D
Acq: 20 Oct 2025 18:02

Tgt Ion:113 Resp: 76505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 82.2 | 123.4 |
| 192 | 18.9 | 15.1 | 22.7 |



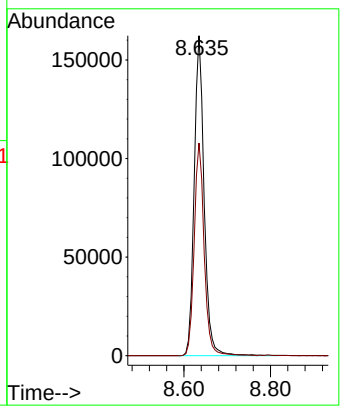


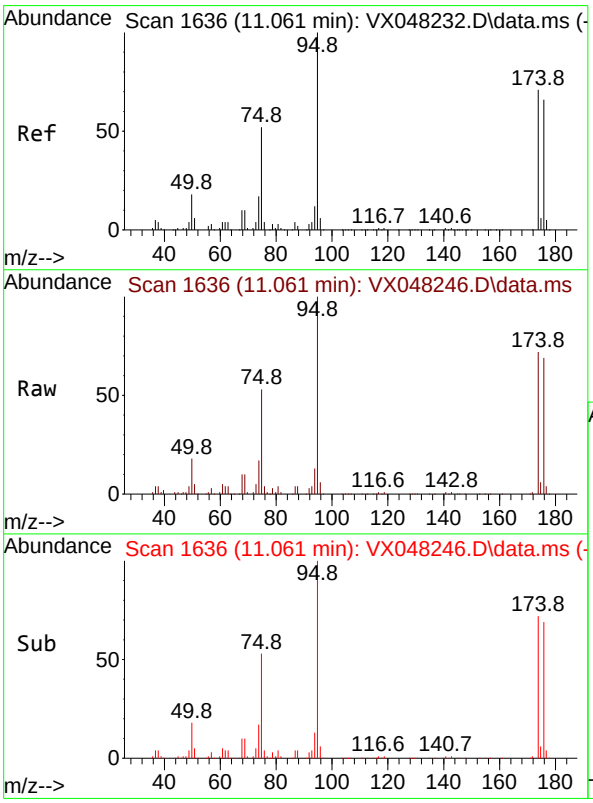

#50
Toluene-d8
Concen: 51.369 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048246.D
Acq: 20 Oct 2025 18:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-920-922

Tgt Ion: 98 Resp: 258724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.5 | 53.0 | 79.4 |

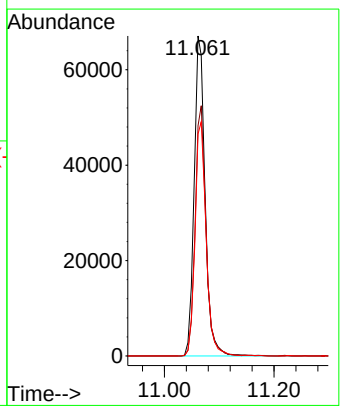


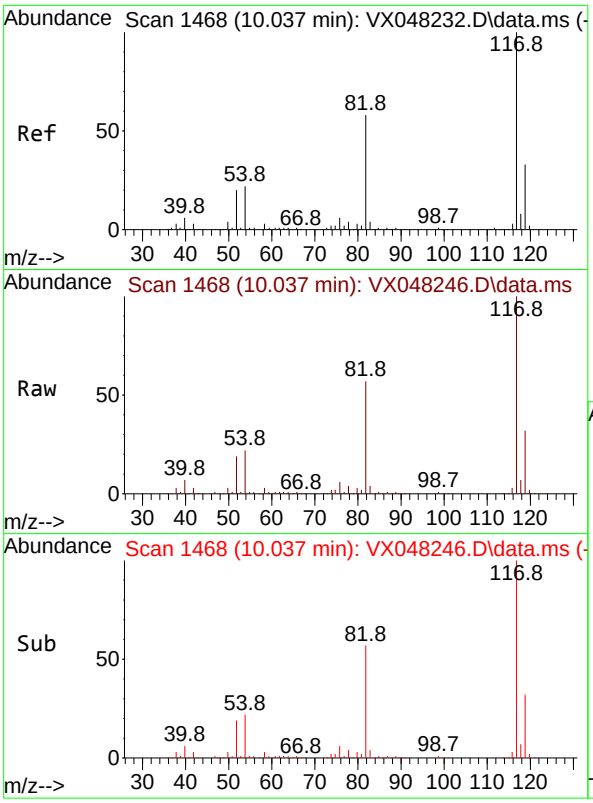




#62
4-Bromofluorobenzene
Concen: 48.719 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048246.D
Acq: 20 Oct 2025 18:02

Tgt Ion: 95 Resp: 93348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.3 | 0.0 | 147.8 |
| 176 | 74.7 | 0.0 | 142.8 |



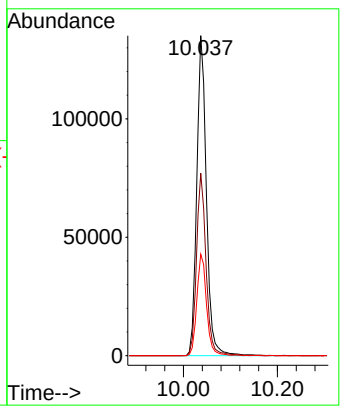


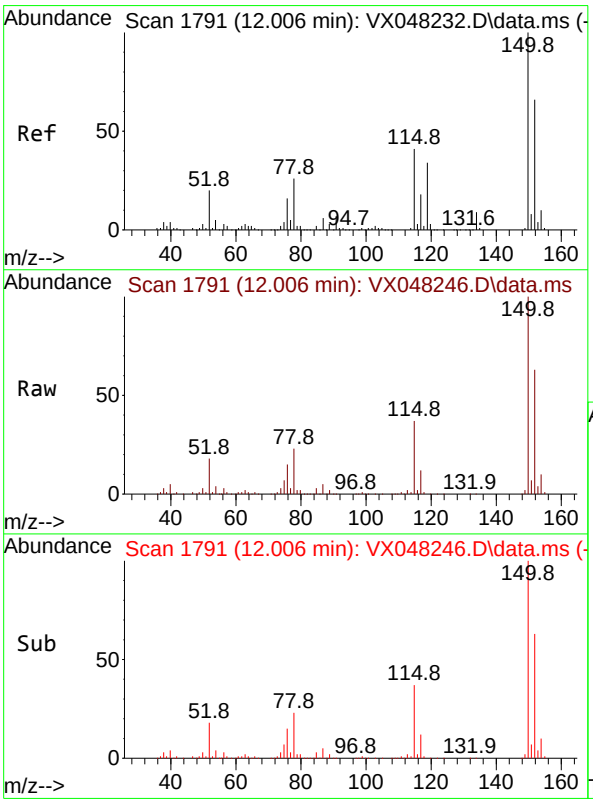

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048246.D
Acq: 20 Oct 2025 18:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-920-922

Tgt Ion:117 Resp: 193818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.0 | 46.5 | 69.7 |
| 119 | 31.7 | 25.9 | 38.9 |

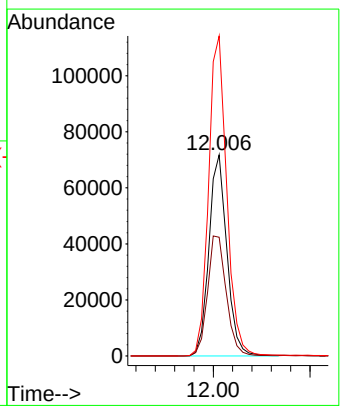



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048246.D
Acq: 20 Oct 2025 18:02

Tgt Ion:152 Resp: 92863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.2 | 43.1 | 129.4 |
| 150 | 160.4 | 0.0 | 353.0 |



Sample Results: **VX048246.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048246.D
Acq On : 20 Oct 2025 18:02
Operator : JC/MD
Sample : Q3371-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-920-922

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\82X102025W.M
Title : SW846 8260

Signal : TIC: VX048246.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 | 693 | 703 | 721 | rBV2 | 76839 | 248308 | 36.25% | 6.844% |
| 2 | 5.544 | 721 | 731 | 748 | rVB | 117408 | 358773 | 52.38% | 9.888% |
| 3 | 5.946 | 786 | 797 | 820 | rBV | 87205 | 253256 | 36.97% | 6.980% |
| 4 | 6.751 | 919 | 929 | 951 | rBV | 186428 | 490796 | 71.65% | 13.527% |
| 5 | 8.635 | 1228 | 1238 | 1262 | rBV | 425120 | 684983 | 100.00% | 18.879% |
| 6 | 10.037 | 1463 | 1468 | 1484 | rBV | 408769 | 586611 | 85.64% | 16.168% |
| 7 | 11.061 | 1631 | 1636 | 1650 | rBV | 312923 | 443926 | 64.81% | 12.235% |
| 8 | 12.006 | 1785 | 1791 | 1802 | rBV | 417063 | 561540 | 81.98% | 15.477% |

Sum of corrected areas: 3628193

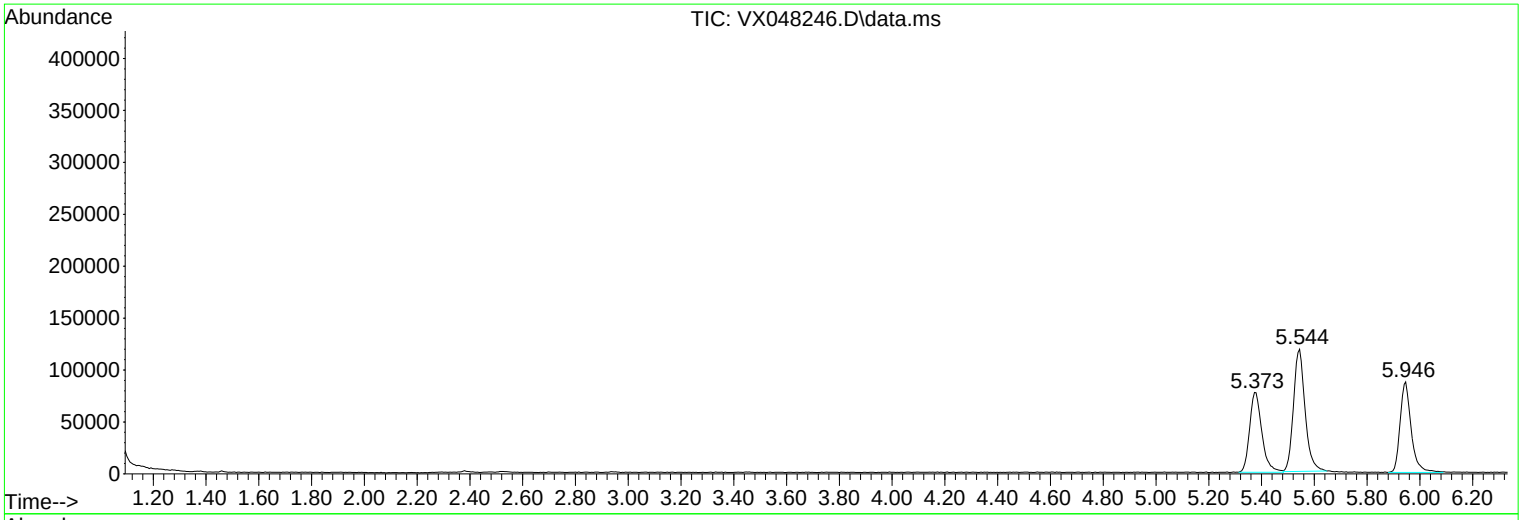
Sample Results: **VX048246.D**

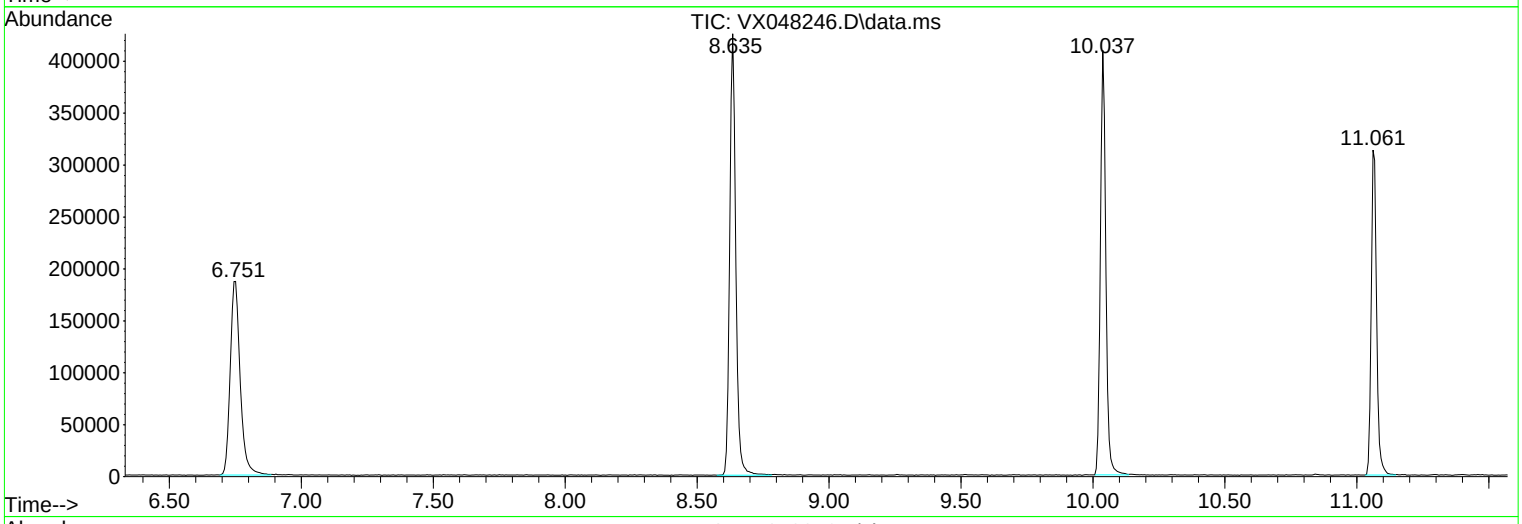
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048246.D
Acq On : 20 Oct 2025 18:02
Operator : JC/MD
Sample : Q3371-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

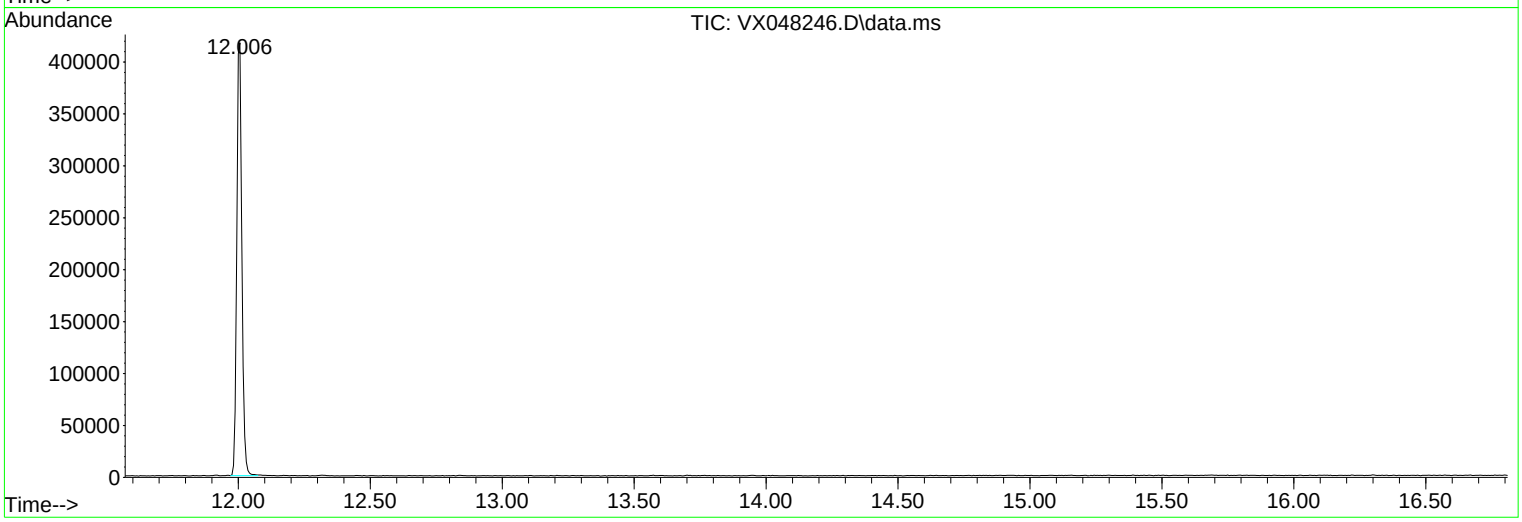
**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-920-922

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048246.D
Acq On : 20 Oct 2025 18:02
Operator : JC/MD
Sample : Q3371-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-920-922

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

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

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048246.D
Acq On : 20 Oct 2025 18:02
Operator : JC/MD
Sample : Q3371-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-920-922

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.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: | 10/16/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 10/16/25 |
| Client Sample ID: | VPB184-HYD-20251016 | SDG No.: | Q3371 |
| Lab Sample ID: | Q3371-06 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 74-87-3 | Chloromethane | 0.50 | U | 1 | 0.32 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 1 | 0.26 | 0.75 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 74-83-9 | Bromomethane | 3.80 | U | 1 | 1.40 | 3.80 | 5.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 75-00-3 | Chloroethane | 0.75 | U | 1 | 0.47 | 0.75 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 1 | 0.33 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 1 | 0.23 | 0.75 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 67-64-1 | Acetone | 3.80 | U | 1 | 1.50 | 3.80 | 5.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 1 | 0.21 | 0.75 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 79-20-9 | Methyl Acetate | 0.75 | U | 1 | 0.27 | 0.75 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 75-09-2 | Methylene Chloride | 0.50 | U | 1 | 0.28 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 110-82-7 | Cyclohexane | 2.50 | U | 1 | 1.50 | 2.50 | 5.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 78-93-3 | 2-Butanone | 2.50 | U | 1 | 0.98 | 2.50 | 5.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 1 | 0.19 | 0.75 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 74-97-5 | Bromochloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 67-66-3 | Chloroform | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 71-43-2 | Benzene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 79-01-6 | Trichloroethene | 0.75 | U | 1 | 0.090 | 0.75 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 1 | 0.68 | 2.50 | 5.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 108-88-3 | Toluene | 0.50 | U | 1 | 0.14 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 1 | 0.17 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 1 | 0.21 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1 | 0.89 | 2.50 | 5.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 1 | 0.18 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 108-90-7 | Chlorobenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 1 | 0.13 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 1 | 0.24 | 1.00 | 2.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 95-47-6 | o-Xylene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 100-42-5 | Styrene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 75-25-2 | Bromoform | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |

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: | 10/16/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 10/16/25 |
| Client Sample ID: | VPB184-HYD-20251016 | SDG No.: | Q3371 |
| Lab Sample ID: | Q3371-06 | Matrix: | Water |
| Analytical Method: | 8260D Level : LOW | % Solid: | 0 |
| Sample Wt/Vol: | 5 mL Final Vol: 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 1 | 0.26 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 1 | 0.53 | 0.75 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 1 | 0.20 | 0.75 | 1.00 | ug/L | 10/21/25 11:56 | VX102125 |
| **SURROGATES** | | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 54.8 | | | 81 - 118 | | 110% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 47.2 | | | 80 - 119 | | 94% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 46.8 | | | 89 - 112 | | 94% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 55.5 | | | 85 - 114 | | 111% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 106000 | | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 214000 | | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 228000 | | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 118000 | | | | | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | | | | |
| 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\VX102125\
Data File : VX048260.D
Acq On : 21 Oct 2025 11:56
Operator : JC/MD
Sample : Q3371-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251016

Quant Time: Oct 24 04:26:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 105728 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 214439 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 228141 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 117921 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 81298 | 54.843 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 109.680% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 69132 | 47.223 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.440% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 240280 | 46.826 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 93.660% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 108316 | 55.487 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 110.980% | | | |

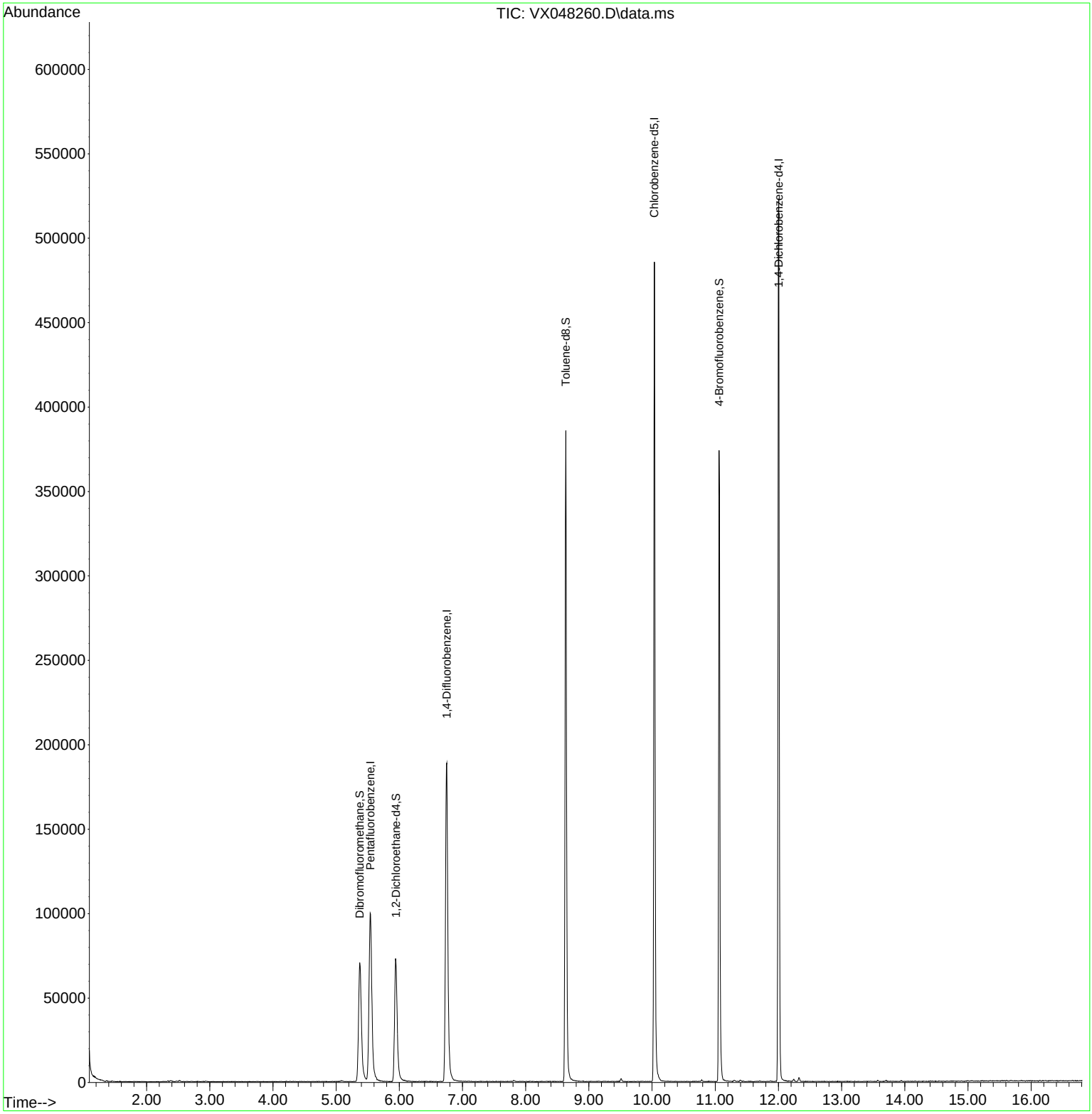
Target Compounds Qvalue

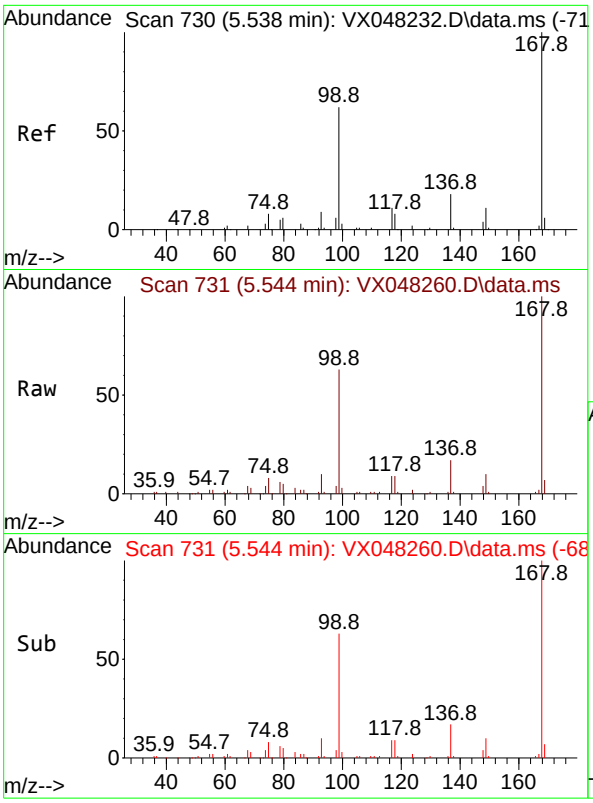
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048260.D
Acq On : 21 Oct 2025 11:56
Operator : JC/MD
Sample : Q3371-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251016

Quant Time: Oct 24 04:26:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



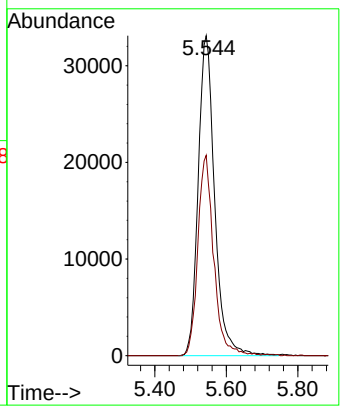


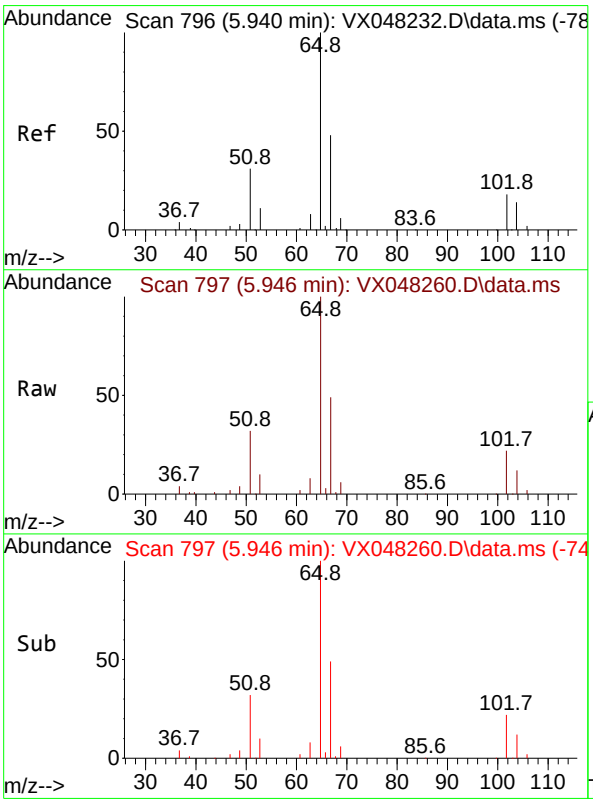

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251016

Tgt Ion:168 Resp: 105728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.6 | 46.4 | 69.6 |

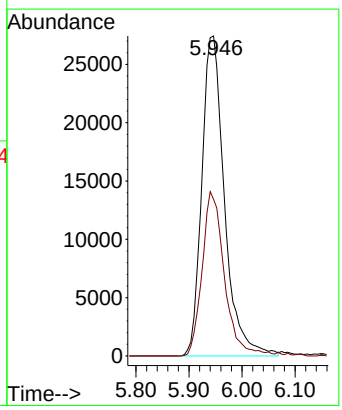


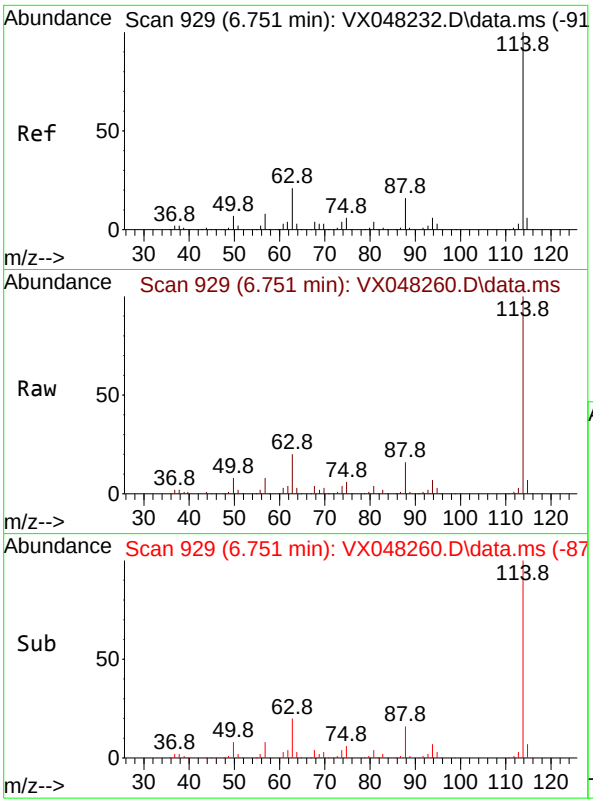




#33
1,2-Dichloroethane-d4
Concen: 54.843 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

Tgt Ion: 65 Resp: 81298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 105.0 |



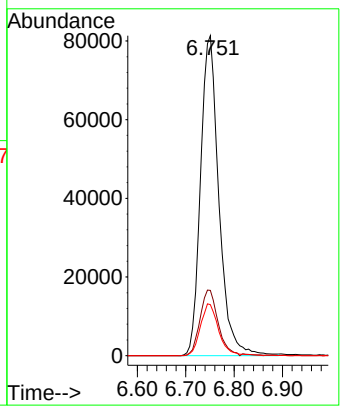


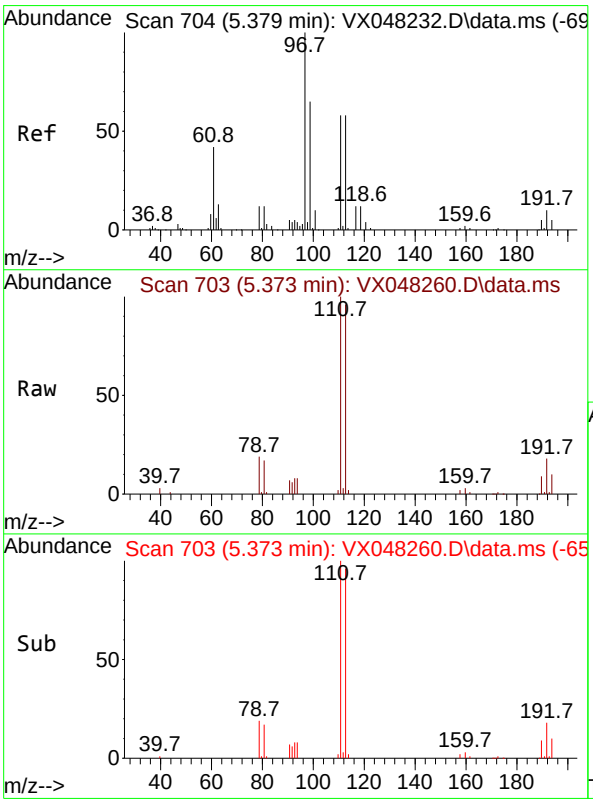

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251016

Tgt Ion:114 Resp: 214439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 43.2 |
| 88 | 15.9 | 0.0 | 33.6 |

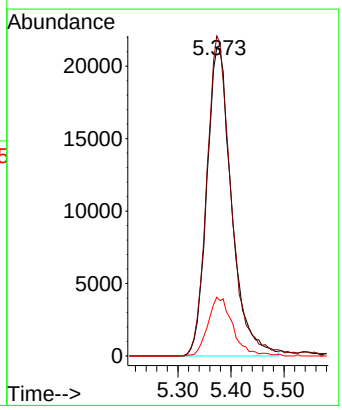


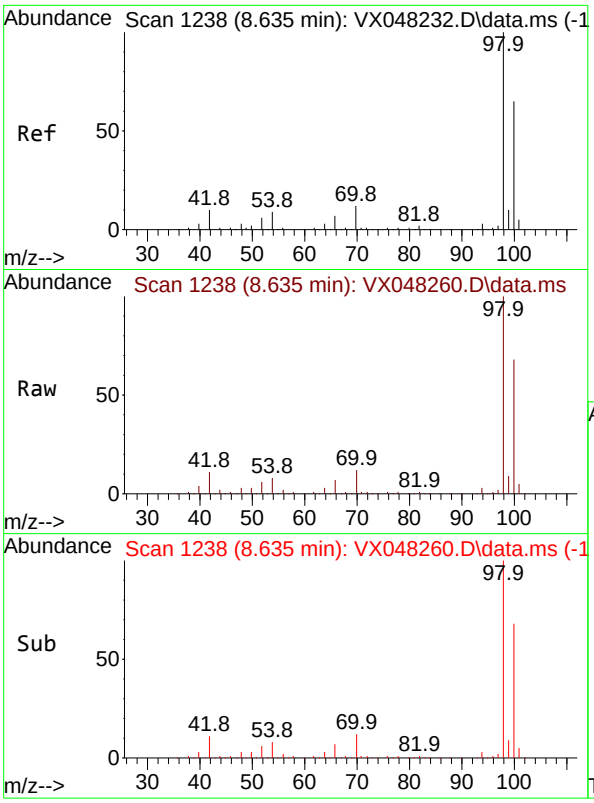




#35
Dibromofluoromethane
Concen: 47.223 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

Tgt Ion:113 Resp: 69132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 82.2 | 123.4 |
| 192 | 19.1 | 15.1 | 22.7 |



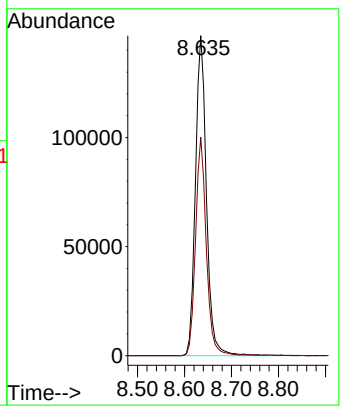


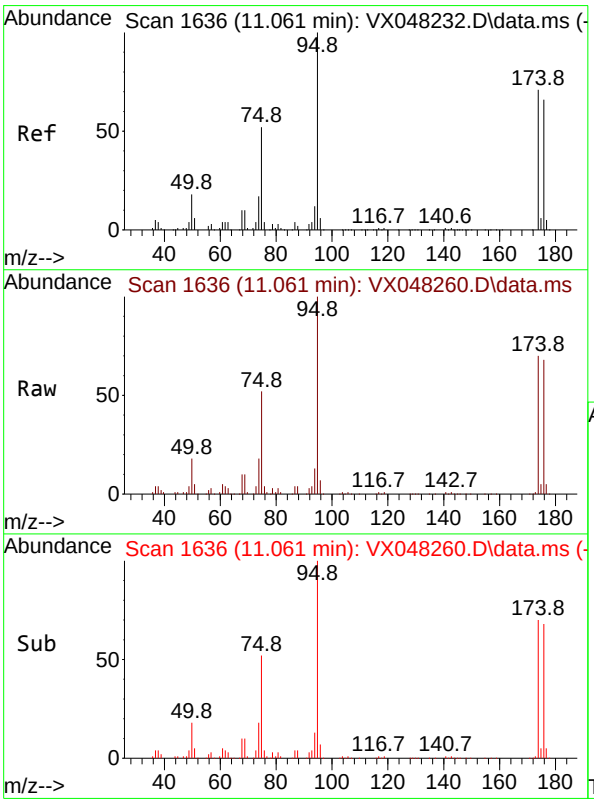

#50
Toluene-d8
Concen: 46.826 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251016

Tgt Ion: 98 Resp: 240280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.6 | 53.0 | 79.4 |

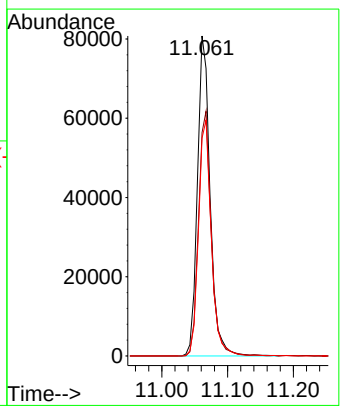


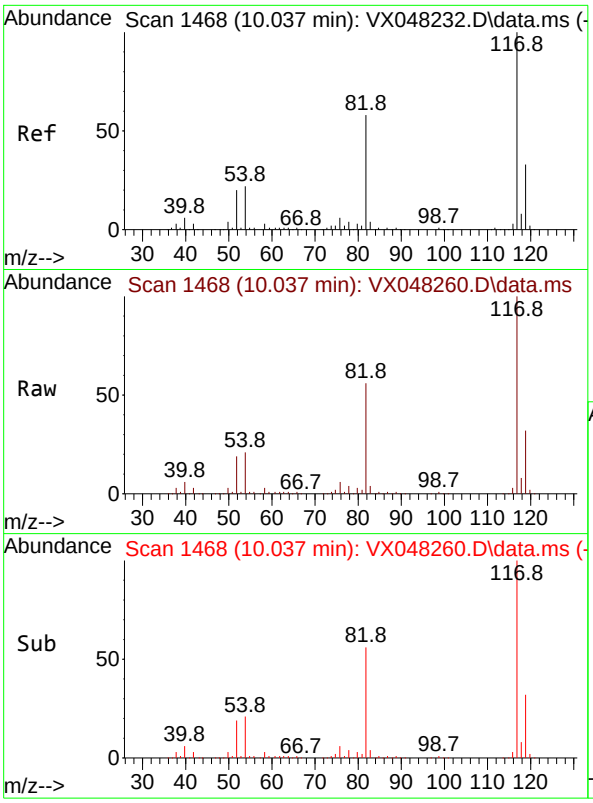




#62
4-Bromofluorobenzene
Concen: 55.487 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

Tgt Ion: 95 Resp: 108316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.8 | 0.0 | 147.8 |
| 176 | 74.7 | 0.0 | 142.8 |



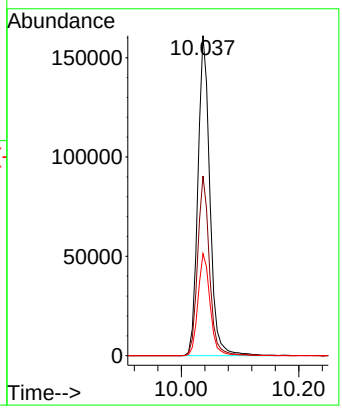


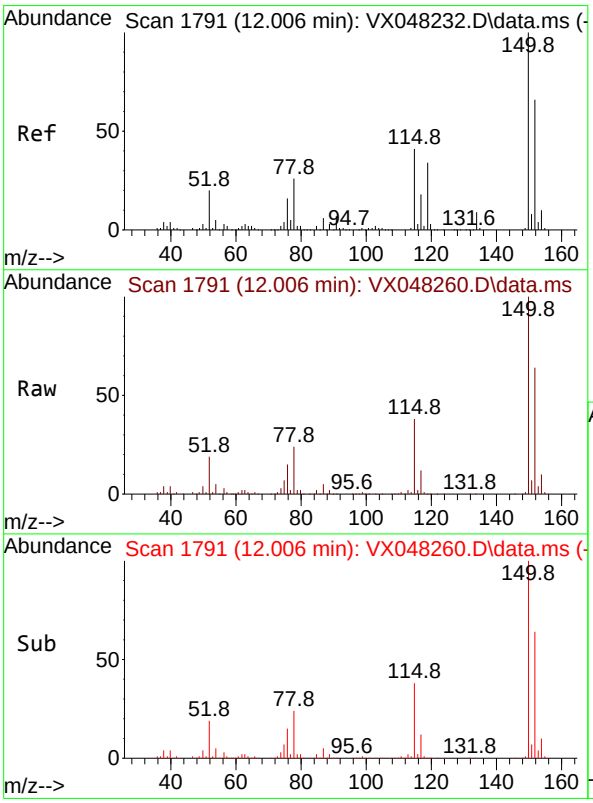

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251016

Tgt Ion:117 Resp: 228141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.2 | 46.5 | 69.7 |
| 119 | 31.9 | 25.9 | 38.9 |

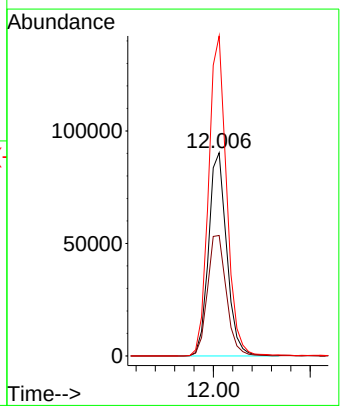



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

Tgt Ion:152 Resp: 117921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.9 | 43.1 | 129.4 |
| 150 | 156.6 | 0.0 | 353.0 |



Sample Results: **VX048260.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048260.D
Acq On : 21 Oct 2025 11:56
Operator : JC/MD
Sample : Q3371-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251016

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\82X102025W.M
Title : SW846 8260

Signal : TIC: VX048260.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 | 693 | 703 | 720 | rBV3 | 70369 | 224208 | 31.75% | 5.936% |
| 2 | 5.538 | 720 | 730 | 748 | rVB | 98953 | 308056 | 43.62% | 8.156% |
| 3 | 5.940 | 786 | 796 | 816 | rBV | 72986 | 214397 | 30.36% | 5.677% |
| 4 | 6.751 | 918 | 929 | 948 | rBV | 188634 | 496982 | 70.37% | 13.159% |
| 5 | 8.635 | 1231 | 1238 | 1252 | rBV | 385385 | 629446 | 89.13% | 16.666% |
| 6 | 10.037 | 1462 | 1468 | 1486 | rBV | 485271 | 688662 | 97.51% | 18.234% |
| 7 | 11.061 | 1631 | 1636 | 1648 | rBV | 373652 | 508884 | 72.06% | 13.474% |
| 8 | 12.006 | 1785 | 1791 | 1806 | rBV | 522637 | 706226 | 100.00% | 18.699% |

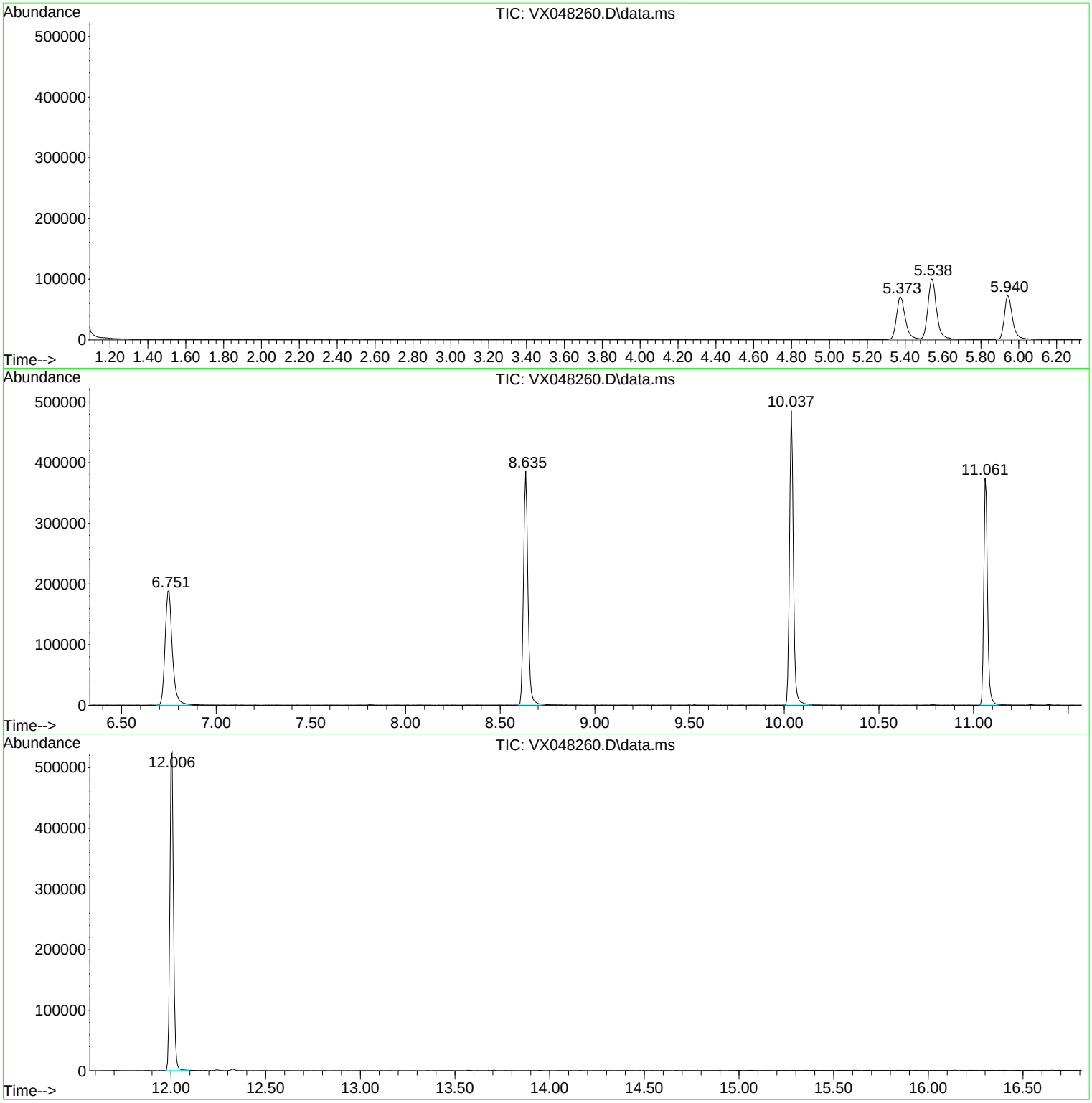
Sum of corrected areas: 3776861

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048260.D
Acq On : 21 Oct 2025 11:56
Operator : JC/MD
Sample : Q3371-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048260.D
Acq On : 21 Oct 2025 11:56
Operator : JC/MD
Sample : Q3371-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

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

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048260.D
Acq On : 21 Oct 2025 11:56
Operator : JC/MD
Sample : Q3371-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB184-HYD-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

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

# CALIBRATION SUMMARY

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

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3371

Instrument ID: MSVOA_X Calibration Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:59 13:49

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

LAB FILE ID: RRF001 = VX048229.D RRF020 = VX048231.D RRF050 = VX048232.D
RRF100 = VX048233.D RRF150 = VX048234.D RRF005 = VX048236.D

| COMPOUND | RRF001 | RRF020 | RRF050 | RRF100 | RRF150 | RRF005 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.522 | 0.513 | 0.483 | 0.540 | 0.504 | 0.522 | 0.514 | 3.7 |
| Chloromethane | 0.506 | 0.468 | 0.449 | 0.476 | 0.471 | 0.508 | 0.480 | 4.8 |
| Vinyl Chloride | 0.447 | 0.437 | 0.416 | 0.462 | 0.445 | 0.458 | 0.444 | 3.7 |
| Bromomethane | | 0.323 | 0.282 | 0.280 | 0.276 | 0.346 | 0.302 | 10.4 |
| Chloroethane | 0.233 | 0.277 | 0.247 | 0.282 | 0.267 | 0.261 | 0.261 | 7.2 |
| Trichlorofluoromethane | 0.776 | 0.874 | 0.807 | 0.907 | 0.869 | 0.880 | 0.852 | 5.8 |
| 1,1,2-Trichlorotrifluoroethane | 0.512 | 0.540 | 0.501 | 0.583 | 0.549 | 0.553 | 0.540 | 5.5 |
| 1,1-Dichloroethene | 0.515 | 0.548 | 0.485 | 0.558 | 0.531 | 0.514 | 0.525 | 5 |
| Acetone | 0.300 | 0.250 | 0.202 | 0.221 | 0.206 | 0.262 | 0.240 | 15.7 |
| Carbon Disulfide | 2.034 | 1.612 | 1.442 | 1.617 | 1.532 | 1.689 | 1.654 | 12.4 |
| Methyl tert-butyl Ether | 1.894 | 1.909 | 1.704 | 1.817 | 1.764 | 1.657 | 1.791 | 5.7 |
| Methyl Acetate | 0.514 | 0.551 | 0.466 | 0.514 | 0.504 | 0.464 | 0.502 | 6.6 |
| Methylene Chloride | 0.555 | 0.651 | 0.552 | 0.597 | 0.567 | 0.595 | 0.586 | 6.4 |
| trans-1,2-Dichloroethene | 0.587 | 0.585 | 0.535 | 0.592 | 0.558 | 0.603 | 0.577 | 4.4 |
| 1,1-Dichloroethane | 1.116 | 1.085 | 0.977 | 1.055 | 1.019 | 1.054 | 1.051 | 4.6 |
| Cyclohexane | | 0.894 | 0.821 | 0.926 | 0.866 | 0.843 | 0.870 | 4.8 |
| 2-Butanone | 0.311 | 0.329 | 0.281 | 0.301 | 0.290 | 0.315 | 0.304 | 5.7 |
| Carbon Tetrachloride | 0.650 | 0.594 | 0.553 | 0.604 | 0.567 | 0.622 | 0.599 | 5.9 |
| cis-1,2-Dichloroethene | 0.682 | 0.700 | 0.626 | 0.695 | 0.661 | 0.673 | 0.673 | 4 |
| Bromochloromethane | 0.388 | 0.404 | 0.441 | 0.462 | 0.452 | 0.469 | 0.436 | 7.5 |
| Chloroform | 1.147 | 1.208 | 1.046 | 1.127 | 1.067 | 1.143 | 1.123 | 5.2 |
| 1,1,1-Trichloroethane | 1.049 | 1.085 | 0.973 | 1.055 | 1.007 | 1.041 | 1.035 | 3.8 |
| Methylcyclohexane | 0.551 | 0.548 | 0.540 | 0.626 | 0.582 | 0.590 | 0.573 | 5.7 |
| Benzene | 1.493 | 1.480 | 1.301 | 1.426 | 1.347 | 1.405 | 1.409 | 5.3 |
| 1,2-Dichloroethane | 0.529 | 0.566 | 0.500 | 0.528 | 0.496 | 0.499 | 0.520 | 5.2 |
| Trichloroethene | 0.400 | 0.373 | 0.348 | 0.380 | 0.363 | 0.366 | 0.372 | 4.7 |
| 1,2-Dichloropropane | 0.309 | 0.362 | 0.321 | 0.347 | 0.333 | 0.337 | 0.335 | 5.5 |
| Bromodichloromethane | 0.570 | 0.592 | 0.538 | 0.573 | 0.538 | 0.567 | 0.563 | 3.8 |
| 4-Methyl-2-Pentanone | 0.366 | 0.422 | 0.377 | 0.384 | 0.362 | 0.374 | 0.381 | 5.7 |
| Toluene | 0.881 | 0.944 | 0.862 | 0.910 | 0.849 | 0.925 | 0.895 | 4.2 |

* 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.

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.: Q3371

Instrument ID: MSVOA_X Calibration Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:59 13:49

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

LAB FILE ID: RRF001 = VX048229.D RRF020 = VX048231.D RRF050 = VX048232.D
RRF100 = VX048233.D RRF150 = VX048234.D RRF005 = VX048236.D

| COMPOUND | RRF001 | RRF020 | RRF050 | RRF100 | RRF150 | RRF005 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.477 | 0.582 | 0.545 | 0.574 | 0.553 | 0.526 | 0.543 | 7 |
| cis-1,3-Dichloropropene | 0.582 | 0.604 | 0.572 | 0.615 | 0.585 | 0.556 | 0.586 | 3.7 |
| 1,1,2-Trichloroethane | 0.318 | 0.357 | 0.321 | 0.333 | 0.313 | 0.355 | 0.333 | 5.8 |
| 2-Hexanone | 0.231 | 0.298 | 0.267 | 0.271 | 0.256 | 0.271 | 0.266 | 8.3 |
| Dibromochloromethane | 0.482 | 0.476 | 0.425 | 0.442 | 0.418 | 0.441 | 0.447 | 5.9 |
| 1,2-Dibromoethane | 0.346 | 0.393 | 0.342 | 0.359 | 0.336 | 0.353 | 0.355 | 5.7 |
| Tetrachloroethene | 0.418 | 0.378 | 0.328 | 0.370 | 0.361 | 0.385 | 0.373 | 7.9 |
| Chlorobenzene | 1.149 | 1.159 | 1.045 | 1.148 | 1.102 | 1.145 | 1.125 | 3.9 |
| Ethyl Benzene | 1.905 | 1.954 | 1.825 | 2.008 | 1.922 | 1.876 | 1.915 | 3.3 |
| m/p-Xylenes | 0.647 | 0.750 | 0.687 | 0.750 | 0.707 | 0.727 | 0.712 | 5.6 |
| o-Xylene | 0.652 | 0.712 | 0.664 | 0.723 | 0.686 | 0.684 | 0.687 | 3.9 |
| Styrene | 1.054 | 1.236 | 1.143 | 1.247 | 1.173 | 1.165 | 1.170 | 6 |
| Bromoform | 0.338 | 0.350 | 0.308 | 0.335 | 0.326 | 0.325 | 0.330 | 4.3 |
| Isopropylbenzene | 3.618 | 3.656 | 3.430 | 3.875 | 3.754 | 3.579 | 3.652 | 4.2 |
| 1,1,2,2-Tetrachloroethane | 0.988 | 1.065 | 0.946 | 1.018 | 0.992 | 0.974 | 0.997 | 4.1 |
| 1,3-Dichlorobenzene | 1.863 | 1.742 | 1.550 | 1.747 | 1.707 | 1.750 | 1.726 | 5.9 |
| 1,4-Dichlorobenzene | 2.143 | 1.803 | 1.577 | 1.724 | 1.710 | 1.772 | 1.788 | 10.6 |
| 1,2-Dichlorobenzene | 1.803 | 1.631 | 1.494 | 1.619 | 1.588 | 1.590 | 1.621 | 6.3 |
| 1,2-Dibromo-3-Chloropropane | 0.167 | 0.219 | 0.195 | 0.224 | 0.223 | 0.187 | 0.202 | 11.5 |
| 1,2,4-Trichlorobenzene | 1.441 | 0.975 | 0.959 | 1.114 | 1.094 | 0.994 | 1.096 | 16.5 |
| 1,2,3-Trichlorobenzene | 1.154 | 0.942 | 0.909 | 1.050 | 1.033 | 0.947 | 1.006 | 9 |
| 1,2-Dichloroethane-d4 | | 0.709 | 0.682 | 0.690 | 0.698 | 0.725 | 0.701 | 2.4 |
| Dibromofluoromethane | | 0.345 | 0.330 | 0.346 | 0.348 | 0.338 | 0.341 | 2.2 |
| Toluene-d8 | | 1.185 | 1.185 | 1.196 | 1.195 | 1.221 | 1.196 | 1.2 |
| 4-Bromofluorobenzene | | 0.445 | 0.444 | 0.446 | 0.441 | 0.500 | 0.455 | 5.5 |

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

# Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X102025W.M
Title : SW846 8260
Last Update : Mon Oct 20 14:13:59 2025
Response Via : Initial Calibration

Calibration Files
1 =VX048229.D 5 =VX048236.D 20 =VX048231.D 50 =VX048232.D 100 =VX048233.D 150 =VX048234.D

| | | Compound | 1 | 5 | 20 | 50 | 100 | 150 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Pentafluorobenzene | ----------ISTD---------- | | | | | | | |
| 2) | T | Dichlorodifluo... | 0.522 | 0.522 | 0.513 | 0.483 | 0.540 | 0.504 | 0.514 | 3.74 |
| 3) | P | Chloromethane | 0.506 | 0.508 | 0.468 | 0.449 | 0.476 | 0.471 | 0.480 | 4.81 |
| 4) | C | Vinyl Chloride | 0.447 | 0.458 | 0.437 | 0.416 | 0.462 | 0.445 | 0.444 | 3.69# |
| 5) | T | Bromomethane | | 0.346 | 0.323 | 0.282 | 0.280 | 0.276 | 0.302 | 10.42 |
| 6) | T | Chloroethane | 0.233 | 0.261 | 0.277 | 0.247 | 0.282 | 0.267 | 0.261 | 7.16 |
| 7) | T | Trichlorofluor... | 0.776 | 0.880 | 0.874 | 0.807 | 0.907 | 0.869 | 0.852 | 5.83 |
| 8) | T | Diethyl Ether | 0.231 | 0.237 | 0.257 | 0.223 | 0.248 | 0.242 | 0.240 | 5.06 |
| 9) | T | 1,1,2-Trichlor... | 0.512 | 0.553 | 0.540 | 0.501 | 0.583 | 0.549 | 0.540 | 5.48 |
| 10) | T | Methyl Iodide | | 0.569 | 0.636 | 0.663 | 0.781 | 0.742 | 0.678 | 12.47 |
| 11) | T | Tert butyl alc... | | 0.087 | 0.069 | 0.062 | 0.067 | 0.064 | 0.070 | 14.22 |
| 12) | CM | 1,1-Dichloroet... | 0.515 | 0.514 | 0.548 | 0.485 | 0.558 | 0.531 | 0.525 | 5.03# |
| 13) | T | Acrolein | | 0.079 | 0.063 | 0.065 | 0.074 | 0.073 | 0.071 | 9.21 |
| 14) | T | Allyl chloride | 0.897 | 0.833 | 0.909 | 0.805 | 0.911 | 0.874 | 0.872 | 5.00 |
| 15) | T | Acrylonitrile | 0.255 | 0.245 | 0.267 | 0.239 | 0.254 | 0.246 | 0.251 | 3.89 |
| 16) | T | Acetone | 0.300 | 0.262 | 0.250 | 0.202 | 0.221 | 0.206 | 0.240 | 15.70 |
| 17) | T | Carbon Disulfide | 2.034 | 1.689 | 1.612 | 1.442 | 1.617 | 1.532 | 1.654 | 12.36 |
| 18) | T | Methyl Acetate | 0.514 | 0.464 | 0.551 | 0.466 | 0.514 | 0.504 | 0.502 | 6.56 |
| 19) | T | Methyl tert-bu... | 1.894 | 1.657 | 1.909 | 1.704 | 1.817 | 1.764 | 1.791 | 5.66 |
| 20) | T | Methylene Chlo... | 0.555 | 0.595 | 0.651 | 0.552 | 0.597 | 0.567 | 0.586 | 6.36 |
| 21) | T | trans-1,2-Dich... | 0.587 | 0.603 | 0.585 | 0.535 | 0.592 | 0.558 | 0.577 | 4.38 |
| 22) | T | Diisopropyl ether | 1.697 | 1.701 | 1.881 | 1.662 | 1.787 | 1.701 | 1.738 | 4.69 |
| 23) | T | Vinyl Acetate | 1.261 | 1.326 | 1.521 | 1.348 | 1.466 | 1.408 | 1.389 | 6.90 |
| 24) | P | 1,1-Dichloroet... | 1.116 | 1.054 | 1.085 | 0.977 | 1.055 | 1.019 | 1.051 | 4.64 |
| 25) | T | 2-Butanone | 0.311 | 0.315 | 0.329 | 0.281 | 0.301 | 0.290 | 0.304 | 5.70 |
| 26) | T | 2,2-Dichloropr... | 1.002 | 0.945 | 0.973 | 0.876 | 0.973 | 0.924 | 0.949 | 4.69 |
| 27) | T | cis-1,2-Dichlo... | 0.682 | 0.673 | 0.700 | 0.626 | 0.695 | 0.661 | 0.673 | 4.03 |
| 28) | T | Bromochloromet... | 0.388 | 0.469 | 0.404 | 0.441 | 0.462 | 0.452 | 0.436 | 7.52 |
| 29) | T | Tetrahydrofuran | 0.178 | 0.183 | 0.198 | 0.171 | 0.184 | 0.180 | 0.182 | 5.00 |
| 30) | C | Chloroform | 1.147 | 1.143 | 1.208 | 1.046 | 1.127 | 1.067 | 1.123 | 5.22# |
| 31) | T | Cyclohexane | | 0.843 | 0.894 | 0.821 | 0.926 | 0.866 | 0.870 | 4.76 |
| 32) | T | 1,1,1-Trichlor... | 1.049 | 1.041 | 1.085 | 0.973 | 1.055 | 1.007 | 1.035 | 3.83 |
| 33) | S | 1,2-Dichloroet... | | 0.725 | 0.709 | 0.682 | 0.690 | 0.698 | 0.701 | 2.40 |
| 34) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | | |
| 35) | S | Dibromofluorom... | | 0.338 | 0.345 | 0.330 | 0.346 | 0.348 | 0.341 | 2.17 |
| 36) | T | 1,1-Dichloropr... | 0.562 | 0.475 | 0.491 | 0.433 | 0.490 | 0.460 | 0.485 | 8.96 |
| 37) | T | Ethyl Acetate | 0.459 | 0.396 | 0.396 | 0.368 | 0.410 | 0.384 | 0.402 | 7.71 |
| 38) | T | Carbon Tetrach... | 0.650 | 0.622 | 0.594 | 0.553 | 0.604 | 0.567 | 0.599 | 5.95 |
| 39) | T | Methylcyclohexane | 0.551 | 0.590 | 0.548 | 0.540 | 0.626 | 0.582 | 0.573 | 5.73 |
| 40) | TM | Benzene | 1.493 | 1.405 | 1.480 | 1.301 | 1.426 | 1.347 | 1.409 | 5.30 |
| 41) | T | Methacrylonitrile | 0.192 | 0.198 | 0.237 | 0.205 | 0.223 | 0.213 | 0.211 | 7.85 |
| 42) | TM | 1,2-Dichloroet... | 0.529 | 0.499 | 0.566 | 0.500 | 0.528 | 0.496 | 0.520 | 5.23 |
| 43) | T | Isopropyl Acetate | 0.659 | 0.612 | 0.709 | 0.635 | 0.682 | 0.665 | 0.661 | 5.16 |
| 44) | TM | Trichloroethene | 0.400 | 0.366 | 0.373 | 0.348 | 0.380 | 0.363 | 0.372 | 4.73 |
| 45) | C | 1,2-Dichloropr... | 0.309 | 0.337 | 0.362 | 0.321 | 0.347 | 0.333 | 0.335 | 5.54# |
| 46) | T | Dibromomethane | 0.267 | 0.264 | 0.277 | 0.247 | 0.261 | 0.249 | 0.261 | 4.35 |
| 47) | T | Bromodichlorom... | 0.570 | 0.567 | 0.592 | 0.538 | 0.573 | 0.538 | 0.563 | 3.79 |
| 48) | T | Methyl methacr... | 0.332 | 0.300 | 0.356 | 0.322 | 0.350 | 0.340 | 0.333 | 6.07 |
| 49) | T | 1,4-Dioxane | 0.003 | 0.004 | 0.005 | 0.004 | 0.005 | 0.005 | 0.004 | 12.99 |
| 50) | S | Toluene-d8 | | 1.221 | 1.185 | 1.185 | 1.195 | 1.195 | 1.196 | 1.22 |
| 51) | T | 4-Methyl-2-Pen... | 0.366 | 0.374 | 0.422 | 0.377 | 0.384 | 0.362 | 0.381 | 5.71 |
| 52) | CM | Toluene | 0.881 | 0.925 | 0.944 | 0.861 | 0.910 | 0.849 | 0.895 | 4.15# |
| 53) | T | t-1,3-Dichloro... | 0.477 | 0.526 | 0.582 | 0.545 | 0.574 | 0.553 | 0.543 | 7.02 |
| 54) | T | cis-1,3-Dichlo... | 0.582 | 0.556 | 0.604 | 0.572 | 0.615 | 0.585 | 0.586 | 3.67 |
| 55) | T | 1,1,2-Trichlor... | 0.318 | 0.355 | 0.357 | 0.321 | 0.333 | 0.313 | 0.333 | 5.78 |
| 56) | T | Ethyl methacry... | 0.418 | 0.451 | 0.536 | 0.490 | 0.524 | 0.502 | 0.487 | 9.17 |

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X102025W.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 57) | T | 1,3-Dichloropr... | 0.563 | 0.572 | 0.614 | 0.548 | 0.572 | 0.541 | 0.568 | 4.51 |
| 58) | T | 2-Chloroethyl ... | 0.154 | 0.182 | 0.269 | 0.260 | 0.269 | 0.260 | 0.232 | 21.93 |
| 59) | T | 2-Hexanone | 0.231 | 0.271 | 0.298 | 0.267 | 0.271 | 0.256 | 0.266 | 8.30 |
| 60) | T | Dibromochlorom... | 0.482 | 0.441 | 0.476 | 0.425 | 0.442 | 0.418 | 0.447 | 5.89 |
| 61) | T | 1,2-Dibromoethane | 0.346 | 0.353 | 0.393 | 0.342 | 0.359 | 0.336 | 0.355 | 5.72 |
| 62) | S | 4-Bromofluorob... | | 0.500 | 0.445 | 0.444 | 0.446 | 0.441 | 0.455 | 5.51 |
| 63) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | |
| 64) | T | Tetrachloroethene | 0.418 | 0.385 | 0.378 | 0.328 | 0.370 | 0.361 | 0.373 | 7.92 |
| 65) | PM | Chlorobenzene | 1.149 | 1.145 | 1.159 | 1.045 | 1.148 | 1.102 | 1.125 | 3.89 |
| 66) | T | 1,1,1,2-Tetrac... | 0.422 | 0.405 | 0.423 | 0.390 | 0.430 | 0.409 | 0.413 | 3.53 |
| 67) | C | Ethyl Benzene | 1.905 | 1.876 | 1.954 | 1.825 | 2.008 | 1.922 | 1.915 | 3.30# |
| 68) | T | m/p-Xylenes | 0.647 | 0.727 | 0.750 | 0.687 | 0.750 | 0.707 | 0.712 | 5.60 |
| 69) | T | o-Xylene | 0.652 | 0.684 | 0.712 | 0.664 | 0.723 | 0.686 | 0.687 | 3.93 |
| 70) | T | Styrene | 1.054 | 1.165 | 1.236 | 1.143 | 1.247 | 1.173 | 1.170 | 5.98 |
| 71) | P | Bromoform | 0.338 | 0.325 | 0.350 | 0.308 | 0.335 | 0.326 | 0.330 | 4.27 |
| 72) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | |
| 73) | T | Isopropylbenzene | 3.618 | 3.579 | 3.656 | 3.430 | 3.875 | 3.754 | 3.652 | 4.17 |
| 74) | T | N-amyl acetate | 1.229 | 1.150 | 1.339 | 1.248 | 1.415 | 1.392 | 1.295 | 7.97 |
| 75) | P | 1,1,2,2-Tetrac... | 0.988 | 0.974 | 1.065 | 0.946 | 1.018 | 0.992 | 0.997 | 4.08 |
| 76) | T | 1,2,3-Trichlor... | 0.929 | 0.767 | 0.822 | 0.735 | 0.810 | 0.802 | 0.811 | 8.14 |
| 77) | T | Bromobenzene | 0.940 | 0.897 | 0.930 | 0.858 | 0.953 | 0.916 | 0.916 | 3.73 |
| 78) | T | n-propylbenzene | 4.000 | 4.169 | 4.255 | 4.017 | 4.544 | 4.385 | 4.228 | 5.02 |
| 79) | T | 2-Chlorotoluene | 2.575 | 2.512 | 2.615 | 2.397 | 2.693 | 2.590 | 2.564 | 3.92 |
| 80) | T | 1,3,5-Trimethy... | 2.988 | 2.889 | 3.079 | 2.861 | 3.222 | 3.094 | 3.022 | 4.53 |
| 81) | T | trans-1,4-Dich... | | 0.287 | 0.330 | 0.316 | 0.366 | 0.368 | 0.333 | 10.35 |
| 82) | T | 4-Chlorotoluene | 3.097 | 2.958 | 3.119 | 2.883 | 3.143 | 3.059 | 3.043 | 3.34 |
| 83) | T | tert-Butylbenzene | 3.128 | 3.047 | 3.086 | 2.915 | 3.282 | 3.173 | 3.105 | 3.98 |
| 84) | T | 1,2,4-Trimethy... | 2.791 | 2.991 | 3.077 | 2.864 | 3.247 | 3.126 | 3.016 | 5.61 |
| 85) | T | sec-Butylbenzene | 3.789 | 3.690 | 3.683 | 3.476 | 3.969 | 3.809 | 3.736 | 4.39 |
| 86) | T | p-Isopropyltol... | 3.342 | 3.222 | 3.159 | 2.986 | 3.399 | 3.265 | 3.229 | 4.53 |
| 87) | T | 1,3-Dichlorobe... | 1.863 | 1.750 | 1.742 | 1.550 | 1.747 | 1.707 | 1.726 | 5.86 |
| 88) | T | 1,4-Dichlorobe... | 2.143 | 1.772 | 1.803 | 1.577 | 1.724 | 1.710 | 1.788 | 10.65 |
| 89) | T | n-Butylbenzene | 3.328 | 2.869 | 2.807 | 2.622 | 3.073 | 2.936 | 2.939 | 8.22 |
| 90) | T | Hexachloroethane | 0.680 | 0.647 | 0.621 | 0.569 | 0.664 | 0.645 | 0.638 | 6.11 |
| 91) | T | 1,2-Dichlorobe... | 1.803 | 1.590 | 1.631 | 1.494 | 1.619 | 1.588 | 1.621 | 6.25 |
| 92) | T | 1,2-Dibromo-3-... | 0.167 | 0.187 | 0.219 | 0.195 | 0.224 | 0.223 | 0.202 | 11.51 |
| 93) | T | 1,2,4-Trichlor... | 1.441 | 0.994 | 0.975 | 0.959 | 1.114 | 1.094 | 1.096 | 16.47 |
| 94) | T | Hexachlorobuta... | 0.953 | 0.482 | 0.399 | 0.373 | 0.426 | 0.409 | 0.507 | 43.70 |
| 95) | T | Naphthalene | 2.942 | 2.473 | 2.880 | 2.776 | 3.171 | 3.181 | 2.904 | 9.14 |
| 96) | T | 1,2,3-Trichlor... | 1.154 | 0.947 | 0.942 | 0.909 | 1.050 | 1.033 | 1.006 | 9.04 |

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048229.D
Acq On : 20 Oct 2025 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 20 12:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 117157 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 193186 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 177252 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 86943 | 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 | 1.173 | 85 | 1223 | 0.995 | ug/l | | 82 |
| 3) Chloromethane | 1.301 | 50 | 1186 | 0.796 | ug/l | # | 62 |
| 4) Vinyl Chloride | 1.380 | 62 | 1048 | 0.668 | ug/l | | 92 |
| 6) Chloroethane | 1.697 | 64 | 545 | 0.546 | ug/l | | 91 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 1819 | 0.738 | ug/l | | 98 |
| 8) Diethyl Ether | 2.142 | 74 | 542 | 0.645 | ug/l | | 81 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 1199 | 0.864 | ug/l | | 89 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 1207 | 0.889 | ug/l | | 88 |
| 14) Allyl chloride | 2.666 | 41 | 2101 | 0.860 | ug/l | | 96 |
| 15) Acrylonitrile | 3.069 | 53 | 2984 | 5.171 | ug/l | | 97 |
| 16) Acetone | 2.380 | 43 | 3519 | 5.684 | ug/l | | 98 |
| 17) Carbon Disulfide | 2.520 | 76 | 4767 | 1.141 | ug/l | # | 92 |
| 18) Methyl Acetate | 2.703 | 43 | 1204 | 0.955 | ug/l | # | 85 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 4437 | 1.085 | ug/l | | 100 |
| 20) Methylene Chloride | 2.794 | 84 | 1301 | 0.863 | ug/l | # | 76 |
| 21) trans-1,2-Dichloroethene | 3.099 | 96 | 1376 | 0.980 | ug/l | | 96 |
| 22) Diisopropyl ether | 3.745 | 45 | 3977 | 0.832 | ug/l | # | 26 |
| 23) Vinyl Acetate | 3.727 | 43 | 14769 | 4.131 | ug/l | | 95 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 2615 | 0.964 | ug/l | | 97 |
| 25) 2-Butanone | 4.574 | 43 | 3638 | 5.043 | ug/l | | 98 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 2347 | 1.012 | ug/l | | 84 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 1598 | 0.959 | ug/l | | 94 |
| 28) Bromochloromethane | 4.879 | 49 | 908 | 0.726 | ug/l | # | 69 |
| 29) Tetrahydrofuran | 5.007 | 42 | 2088 | 4.929 | ug/l | # | 73 |
| 30) Chloroform | 5.093 | 83 | 2688 | 0.941 | ug/l | | 97 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 2459 | 1.048 | ug/l | # | 50 |
| 36) 1,1-Dichloropropene | 5.696 | 75 | 2173 | 1.151 | ug/l | # | 62 |
| 37) Ethyl Acetate | 4.727 | 43 | 1772m | 1.174 | ug/l | | |
| 38) Carbon Tetrachloride | 5.672 | 117 | 2513m | 1.159 | ug/l | | |
| 39) Methylcyclohexane | 7.373 | 83 | 2128 | 0.999 | ug/l | | 94 |
| 40) Benzene | 6.032 | 78 | 5767 | 1.028 | ug/l | # | 89 |
| 41) Methacrylonitrile | 4.916 | 41 | 741m | 0.917 | ug/l | | |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 2044 | 1.017 | ug/l | | 87 |
| 43) Isopropyl Acetate | 6.336 | 43 | 2548 | 1.006 | ug/l | # | 85 |
| 44) Trichloroethene | 7.117 | 130 | 1547 | 1.094 | ug/l | | 83 |
| 45) 1,2-Dichloropropane | 7.422 | 63 | 1195 | 0.842 | ug/l | | 96 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048229.D
Acq On : 20 Oct 2025 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) Dibromomethane | 7.574 | 93 | 1032 | 1.011 | ug/l | | 95 |
| 47) Bromodichloromethane | 7.812 | 83 | 2204 | 0.999 | ug/l | # | 79 |
| 48) Methyl methacrylate | 7.684 | 41 | 1283 | 0.989 | ug/l | | 95 |
| 49) 1,4-Dioxane | 7.665 | 88 | 255 | 21.840 | ug/l | # | 34 |
| 51) 4-Methyl-2-Pentanone | 8.562 | 43 | 7066 | 5.011 | ug/l | | 91 |
| 52) Toluene | 8.708 | 92 | 3403 | 1.010 | ug/l | | 95 |
| 53) t-1,3-Dichloropropene | 8.970 | 75 | 1844 | 0.892 | ug/l | # | 74 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 2250 | 0.998 | ug/l | | 90 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 1229 | 0.977 | ug/l | # | 85 |
| 56) Ethyl methacrylate | 9.104 | 69 | 1616 | 0.945 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.299 | 76 | 2174 | 0.989 | ug/l | | 93 |
| 58) 2-Chloroethyl Vinyl ether | 8.232 | 63 | 2970 | 3.381 | ug/l | | 100 |
| 59) 2-Hexanone | 9.421 | 43 | 4456 | 4.518 | ug/l | | 92 |
| 60) Dibromochloromethane | 9.507 | 129 | 1862 | 1.183 | ug/l | | 95 |
| 61) 1,2-Dibromoethane | 9.598 | 107 | 1338 | 1.037 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.257 | 164 | 1482 | 1.192 | ug/l | | 92 |
| 65) Chlorobenzene | 10.067 | 112 | 4073 | 1.051 | ug/l | | 90 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 1495 | 1.070 | ug/l | # | 66 |
| 67) Ethyl Benzene | 10.177 | 91 | 6752 | 1.016 | ug/l | | 97 |
| 68) m/p-Xylenes | 10.287 | 106 | 4589 | 1.854 | ug/l | | 90 |
| 69) o-Xylene | 10.628 | 106 | 2313 | 0.993 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 3737 | 0.932 | ug/l | | 96 |
| 71) Bromoform | 10.787 | 173 | 1198 | 1.168 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 6291 | 1.040 | ug/l | | 93 |
| 74) N-amyl acetate | 10.829 | 43 | 2137 | 0.947 | ug/l | # | 90 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 1718 | 1.003 | ug/l | | 90 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 1615m | 1.216 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 1635 | 1.080 | ug/l | | 91 |
| 78) n-propylbenzene | 11.287 | 91 | 6956 | 0.949 | ug/l | | 94 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 4477 | 1.010 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 5196 | 1.047 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 5385 | 1.034 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 5439 | 1.085 | ug/l | | 91 |
| 84) 1,2,4-Trimethylbenzene | 11.738 | 105 | 4854 | 0.982 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 6589 | 1.075 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 5812 | 1.125 | ug/l | | 91 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 3239 | 1.145 | ug/l | | 96 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 3727m | 1.270 | ug/l | | |
| 89) n-Butylbenzene | 12.317 | 91 | 5787 | 1.202 | ug/l | | 98 |
| 90) Hexachloroethane | 12.518 | 117 | 1182 | 1.084 | ug/l | | 77 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 3135 | 1.172 | ug/l | | 96 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.933 | 75 | 290 | 0.926 | ug/l | | 79 |
| 93) 1,2,4-Trichlorobenzene | 13.573 | 180 | 2505 | 1.587 | ug/l | | 90 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 1658 | 2.724 | ug/l | | 97 |
| 95) Naphthalene | 13.762 | 128 | 5116 | 1.230 | ug/l | | 98 |
| 96) 1,2,3-Trichlorobenzene | 13.945 | 180 | 2006 | 1.377 | ug/l | | 100 |

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

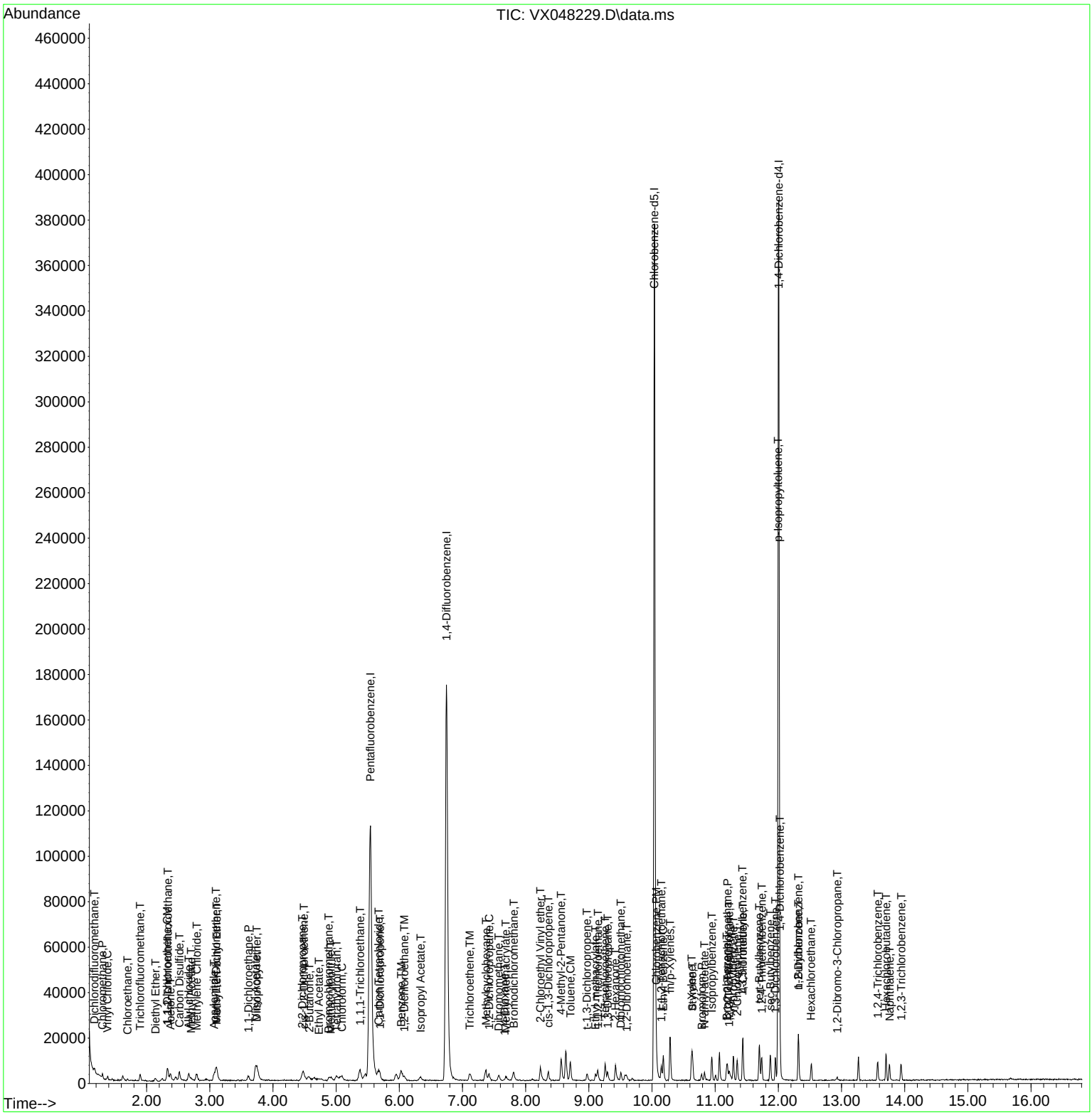
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Data File : VX048229.D
Acq On : 20 Oct 2025 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

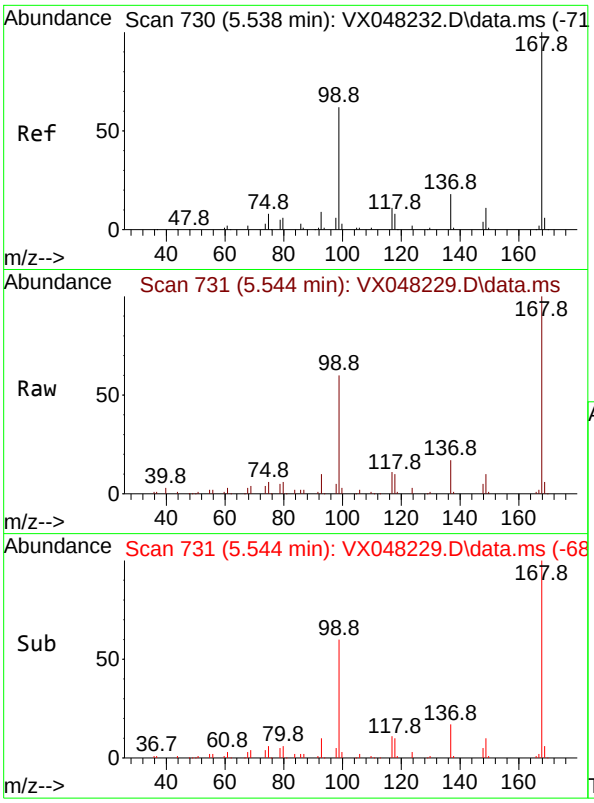
Quant Time: Oct 20 12:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

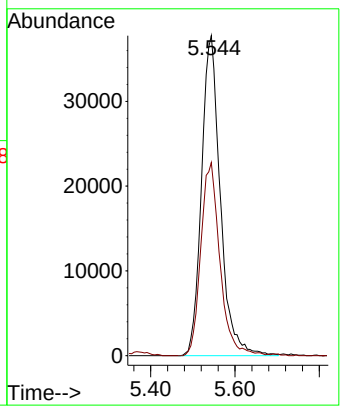





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:168 Resp: 11715

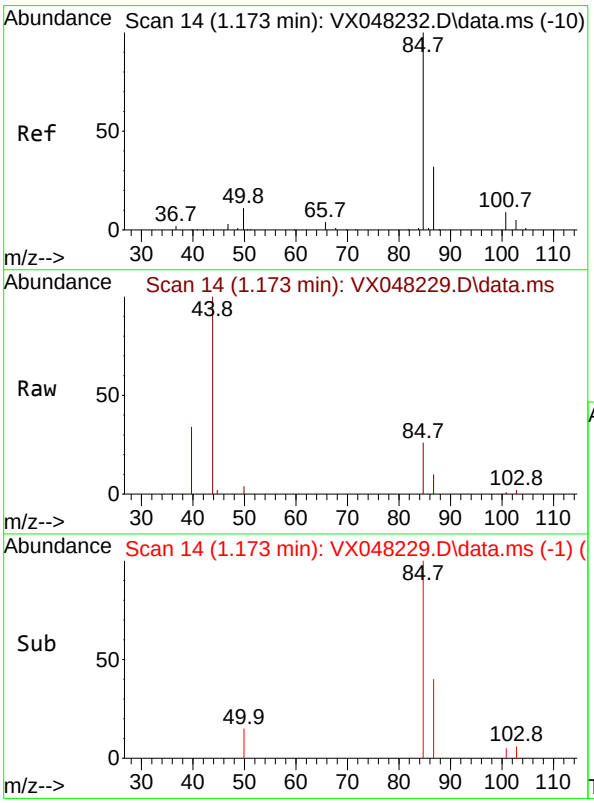
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.3 | 46.4 | 69.6 |




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

**Manual Integrations**
**APPROVED**

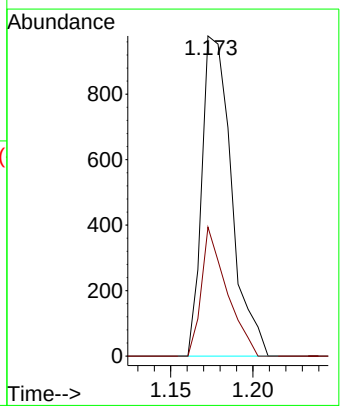
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

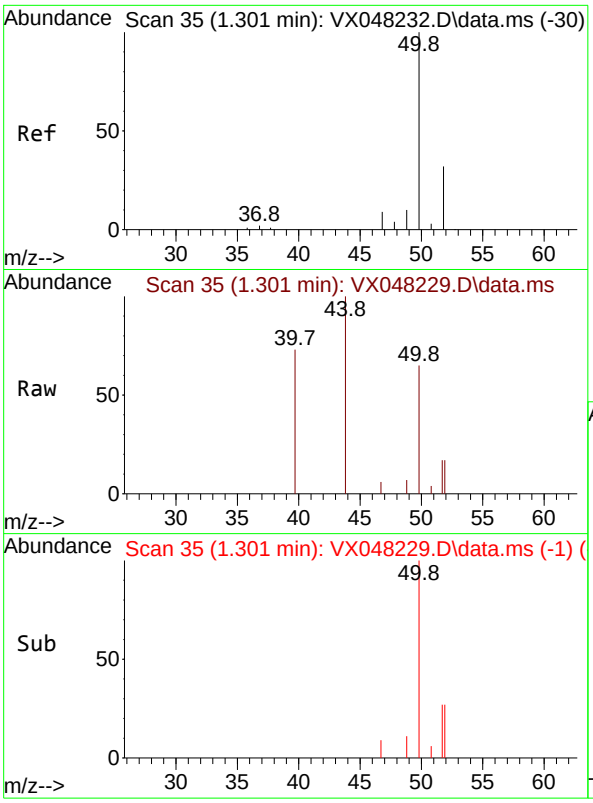



#2
Dichlorodifluoromethane
Concen: 0.995 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 85 Resp: 1223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 40.3 | 15.3 | 45.9 |

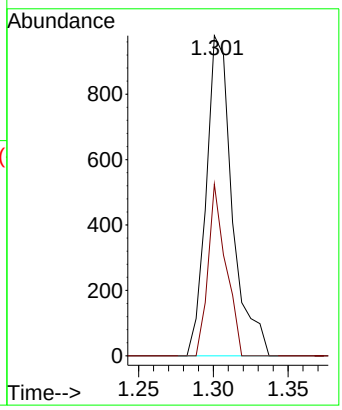





#3
Chloromethane
Concen: 0.796 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 50 Resp: 118

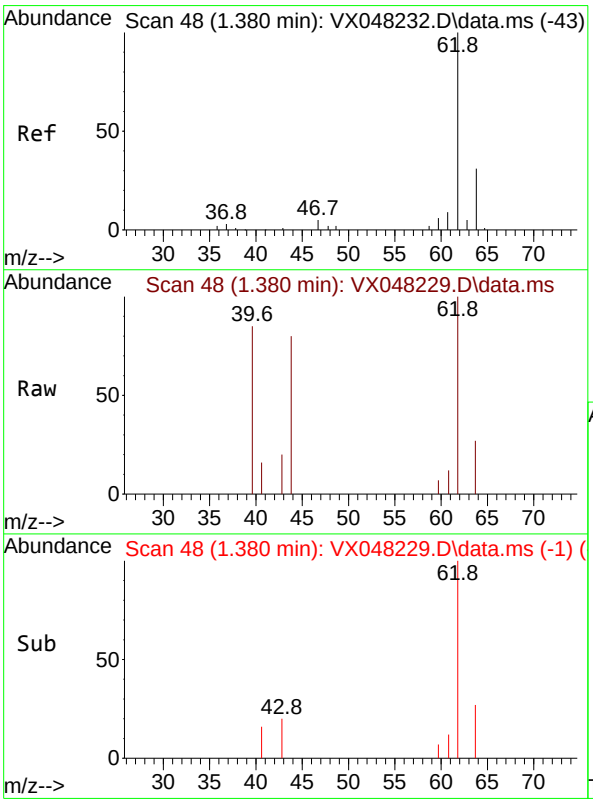
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 53.6 | 25.9 | 38.9# |




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

**Manual Integrations APPROVED**

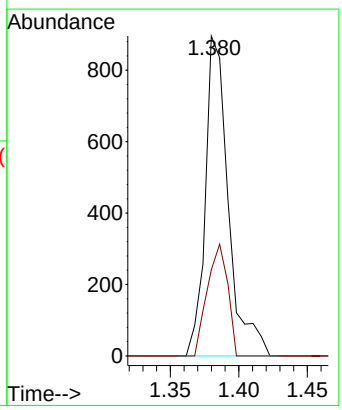
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

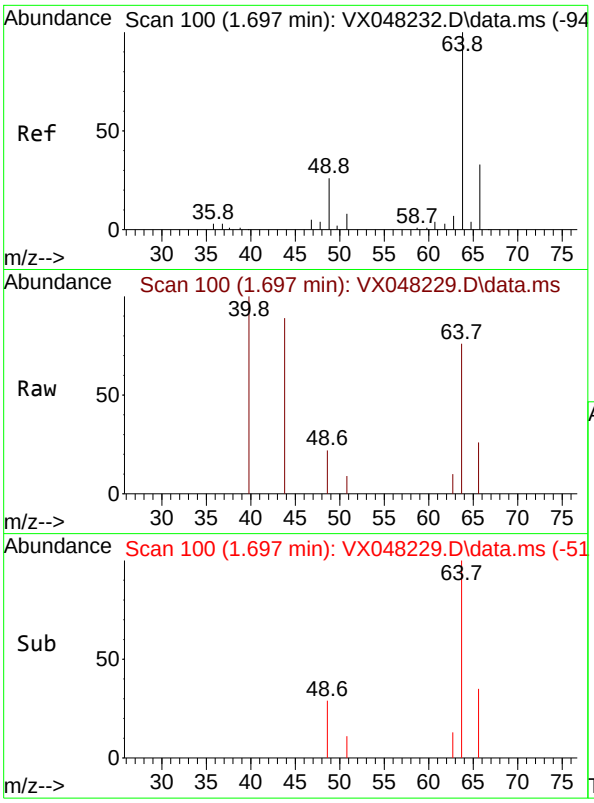



#4
Vinyl Chloride
Concen: 0.668 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 62 Resp: 1048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 26.9 | 25.1 | 37.7 |

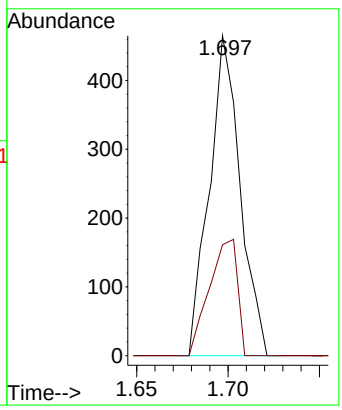





#6
Chloroethane
Concen: 0.546 ug/l
RT: 1.697 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 64 Resp: 54

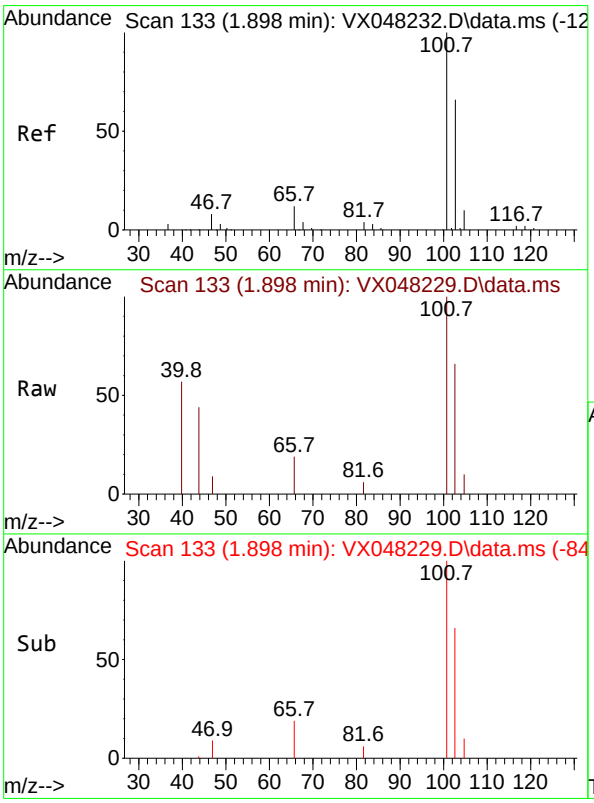
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.6 | 23.9 | 35.9 |




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

**Manual Integrations APPROVED**

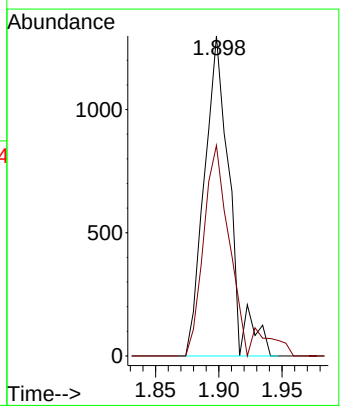
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

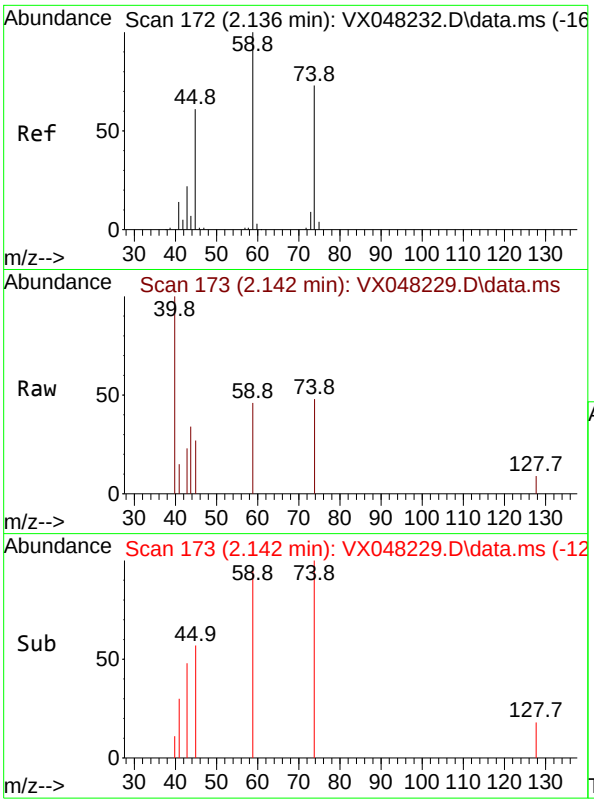



#7
Trichlorofluoromethane
Concen: 0.738 ug/l
RT: 1.898 min Scan# 133
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:101 Resp: 1819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.8 | 51.6 | 77.4 |

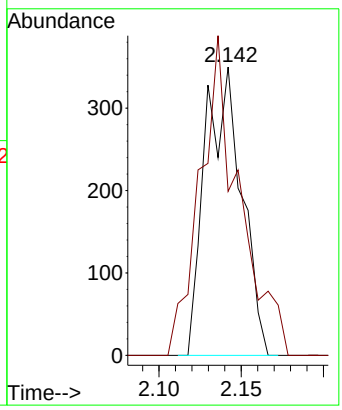





#8
Diethyl Ether
Concen: 0.645 ug/l
RT: 2.142 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 74 Resp: 54

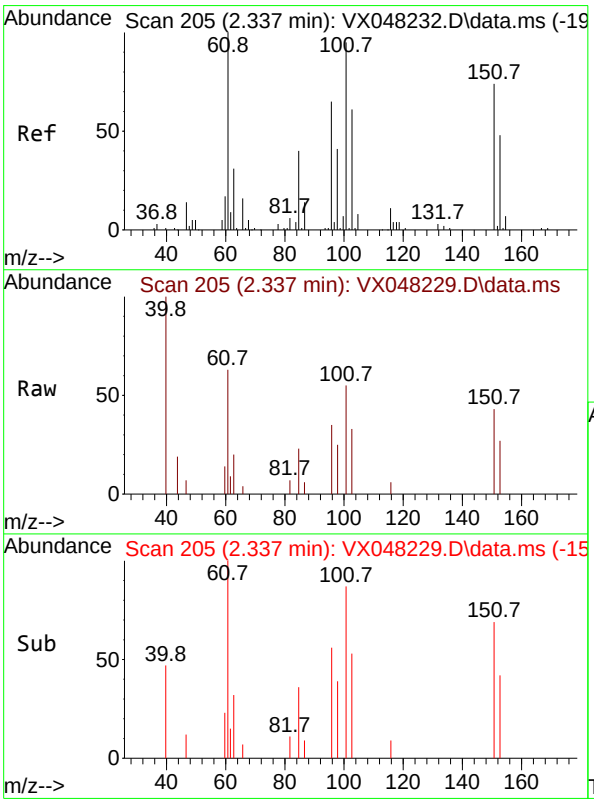
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 118.5 | 50.0 | 149.8 |




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

**Manual Integrations**
**APPROVED**

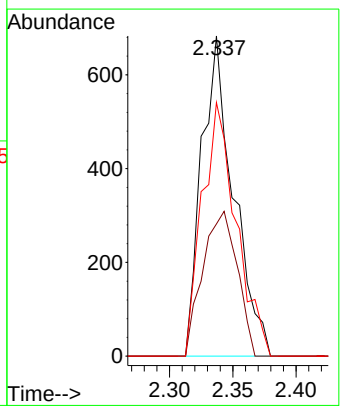
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

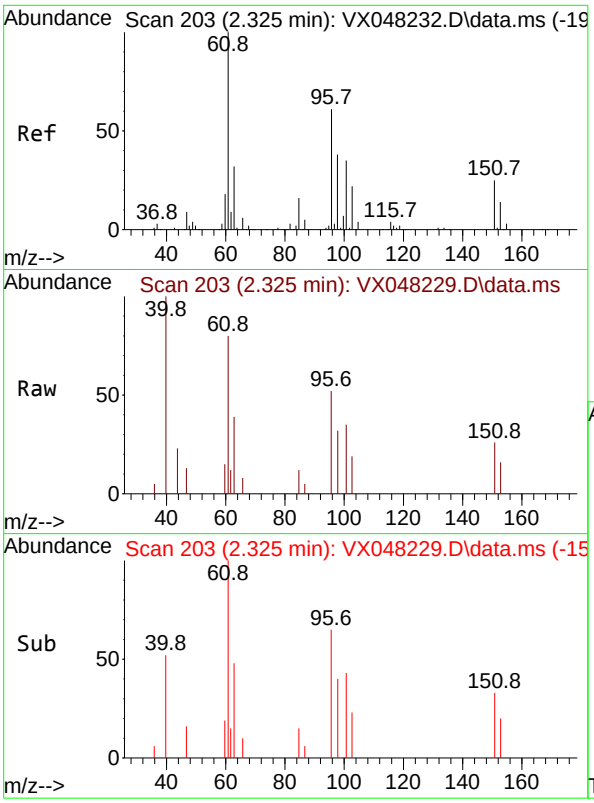



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.864 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:101 Resp: 1199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.9 | 35.6 | 53.4 |
| 151 | 84.2 | 58.0 | 87.0 |

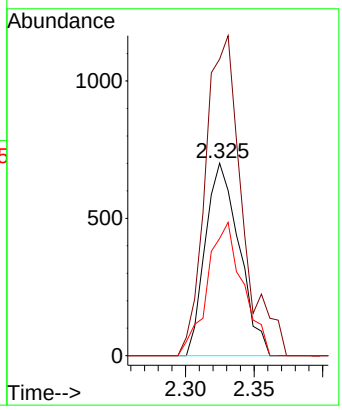





#12
1,1-Dichloroethene
Concen: 0.889 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 96 Resp: 120

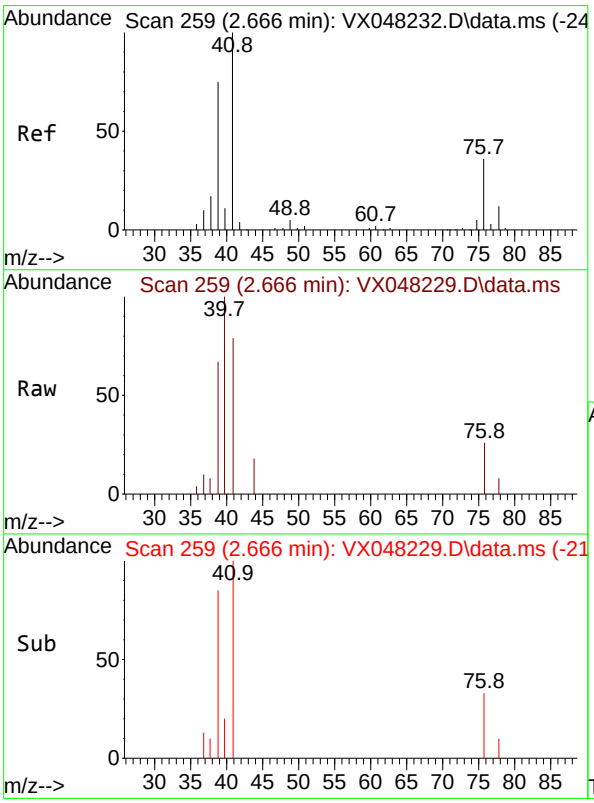
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.1 | 139.0 | 208.6 |
| 98 | 60.9 | 52.4 | 78.6 |




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

**Manual Integrations**
**APPROVED**

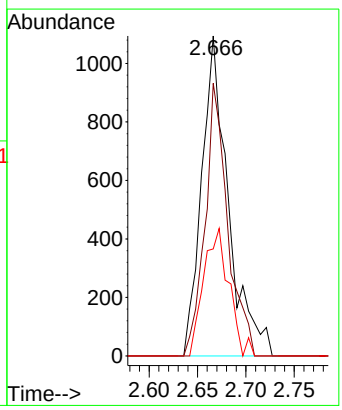
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

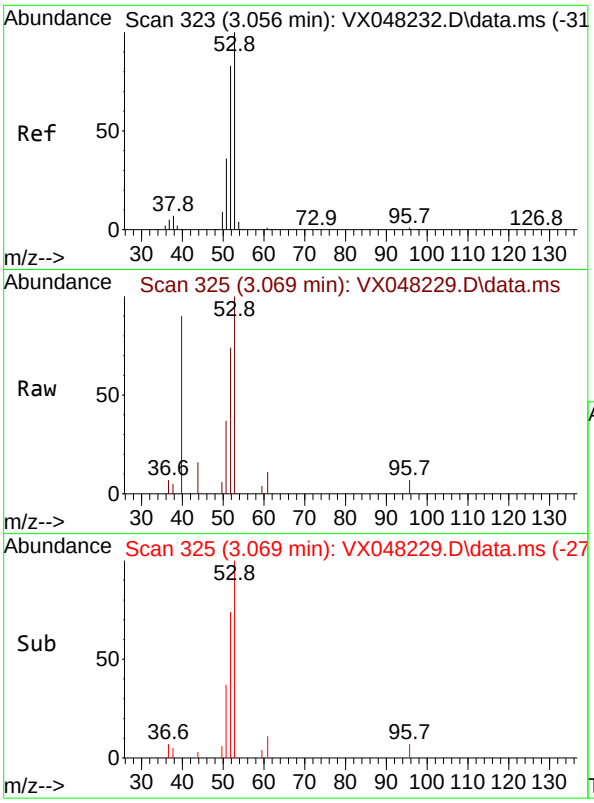



#14
Allyl chloride
Concen: 0.860 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 41 Resp: 2101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.1 | 56.0 | 84.0 |
| 76 | 37.8 | 27.5 | 41.3 |

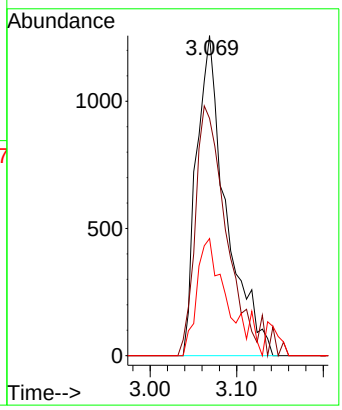





#15
Acrylonitrile
Concen: 5.171 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 53 Resp: 298

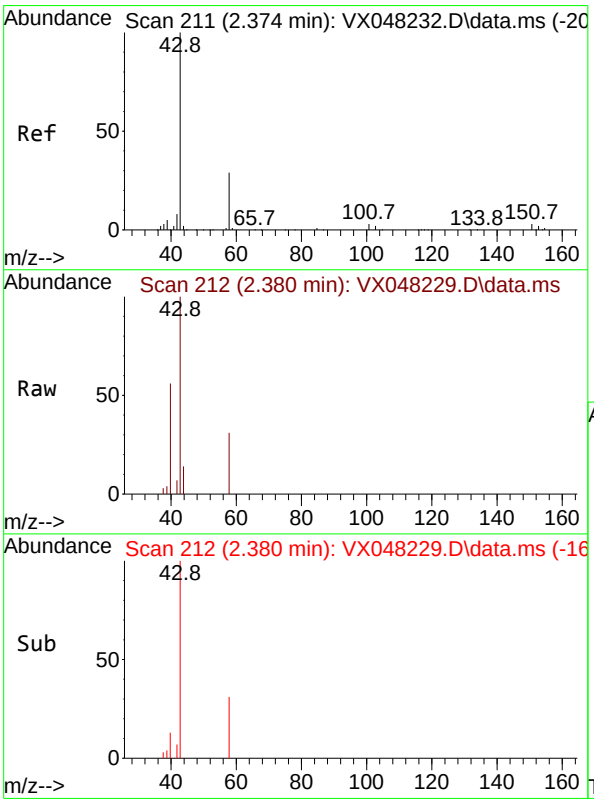
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.3 | 66.1 | 99.1 |
| 51 | 37.8 | 29.0 | 43.4 |




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

**Manual Integrations**
**APPROVED**

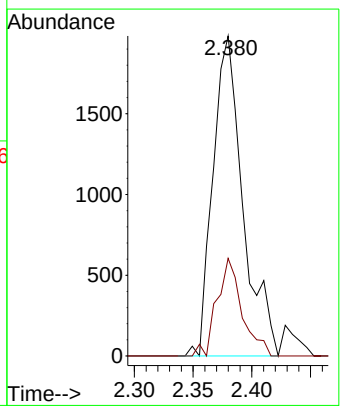
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

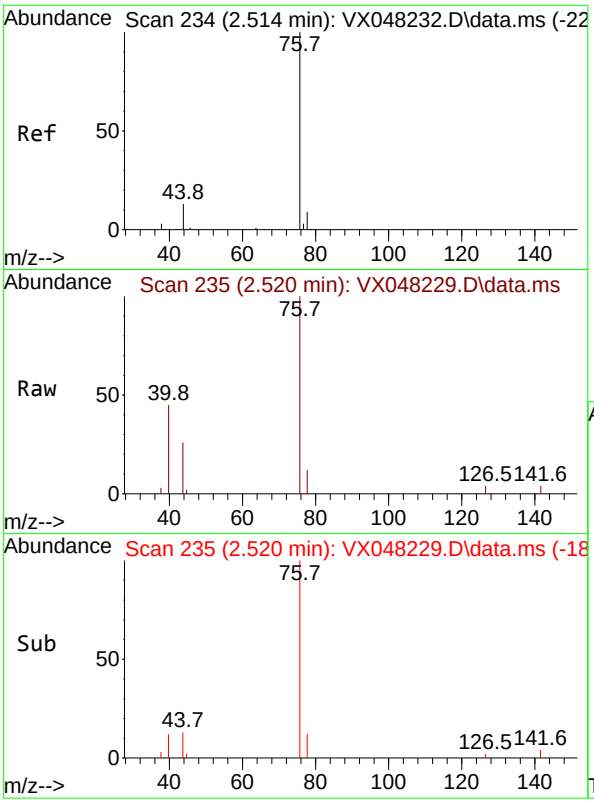



#16
Acetone
Concen: 5.684 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 3519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.5 | 23.4 | 35.2 |

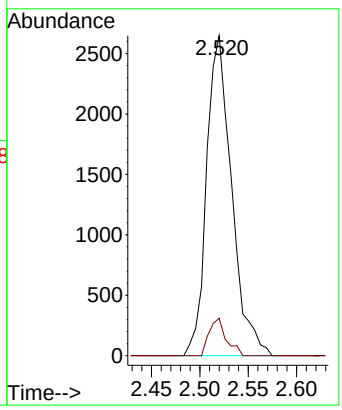





#17
Carbon Disulfide
Concen: 1.141 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 76 Resp: 476

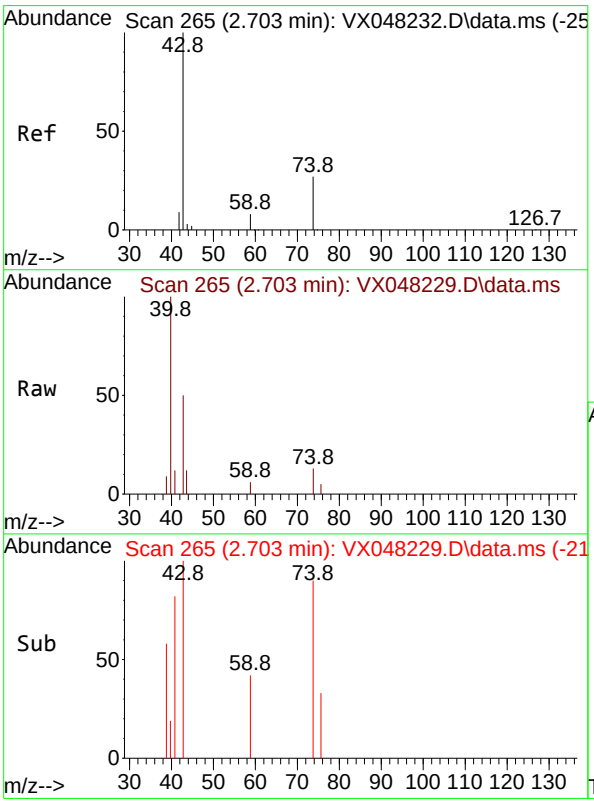
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 11.7 | 7.1 | 10.7# |




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

**Manual Integrations APPROVED**

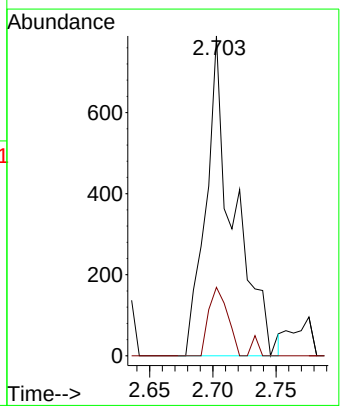
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

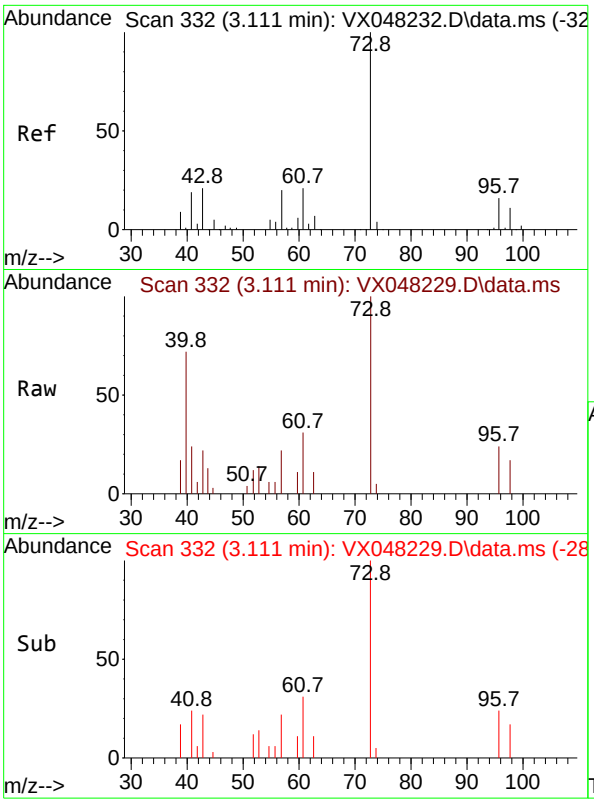



#18
Methyl Acetate
Concen: 0.955 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 1204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 14.6 | 17.5 | 26.3# |

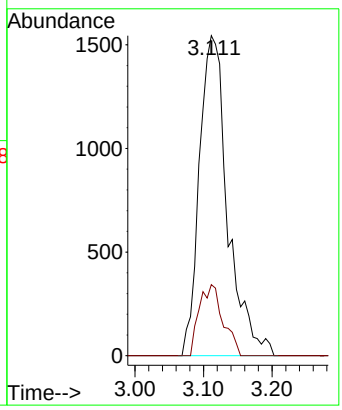





#19
Methyl tert-butyl Ether
Concen: 1.085 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 73 Resp: 443

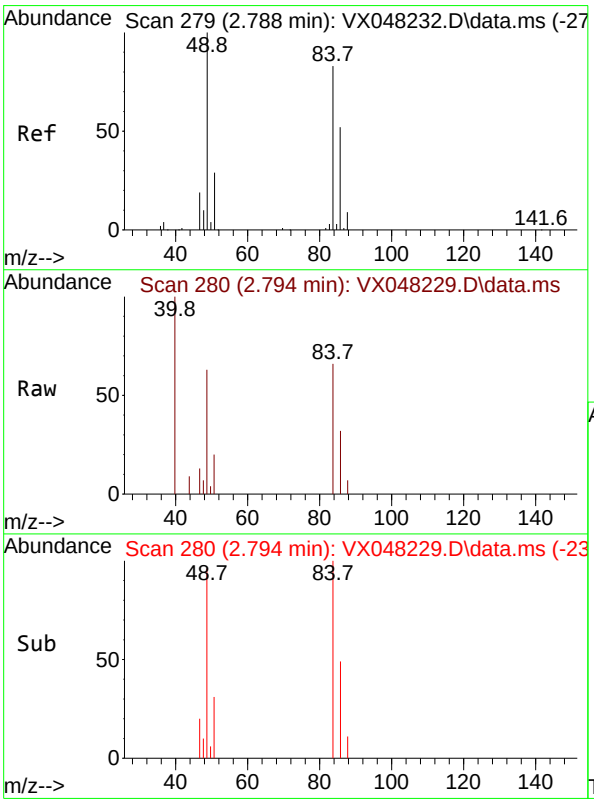
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.7 | 26.5 |




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

**Manual Integrations**
**APPROVED**

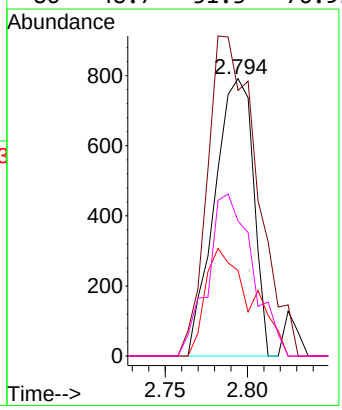
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

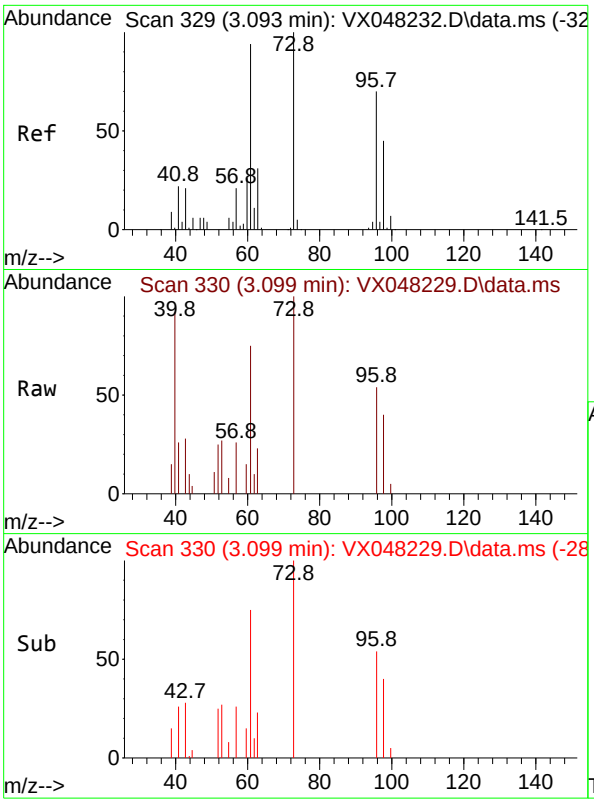



#20
Methylene Chloride
Concen: 0.863 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 84 Resp: 1301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 95.8 | 104.1 | 156.1# |
| 51 | 30.8 | 31.3 | 46.9# |
| 86 | 48.7 | 51.3 | 76.9# |

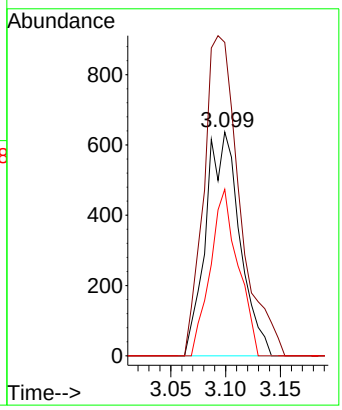





#21
trans-1,2-Dichloroethene
Concen: 0.980 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 96 Resp: 137

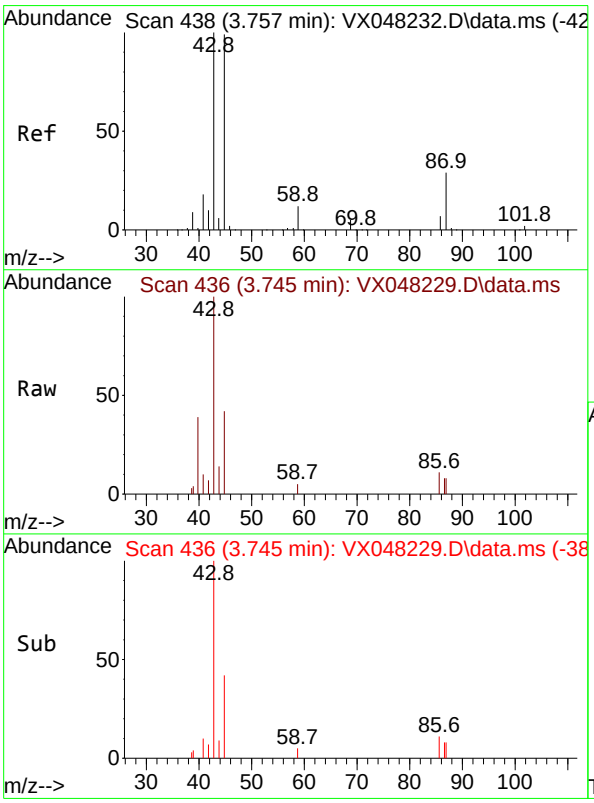
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.0 | 111.9 | 167.9 |
| 98 | 74.4 | 51.2 | 76.8 |




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

**Manual Integrations**
**APPROVED**

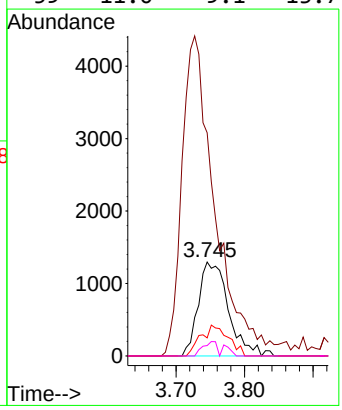
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

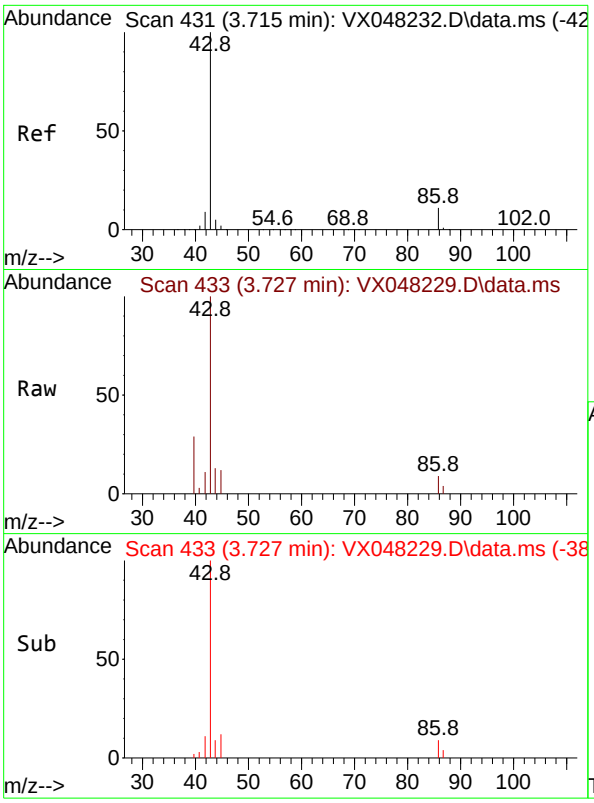



#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 45 Resp: 3977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 213.9 | 89.8 | 134.8# |
| 87 | 19.2 | 20.6 | 31.0# |
| 59 | 11.0 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 4.131 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

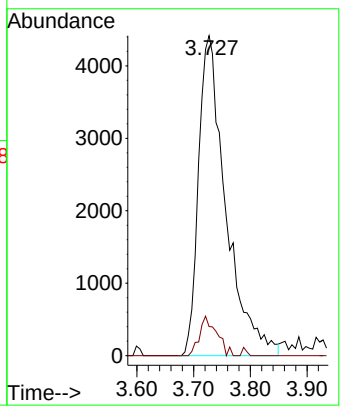
Tgt Ion: 43 Resp: 1476

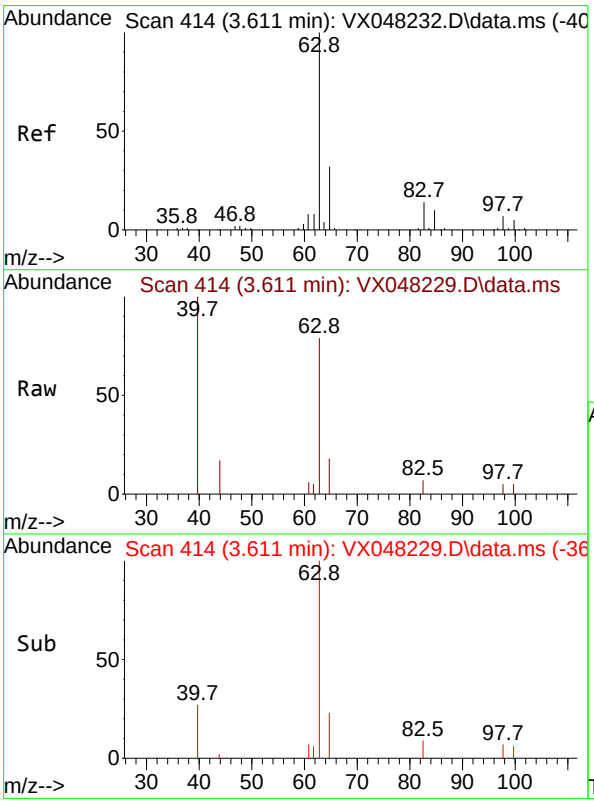
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.8 | 7.9 | 11.9 |

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

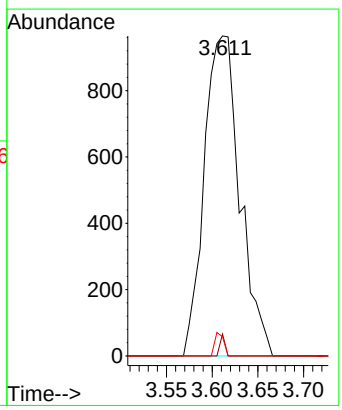


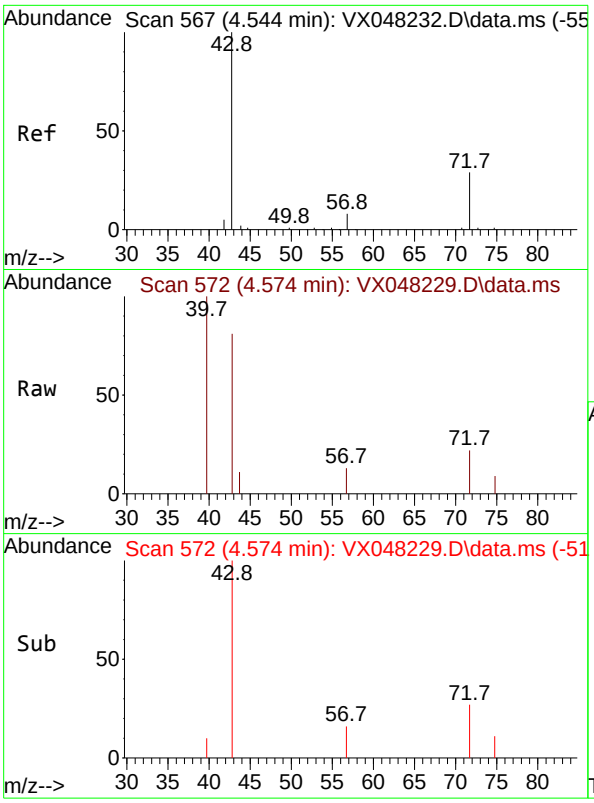




#24
1,1-Dichloroethane
Concen: 0.964 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 63 Resp: 2615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.5 | 10.6 |
| 100 | 6.0 | 2.1 | 6.3 |

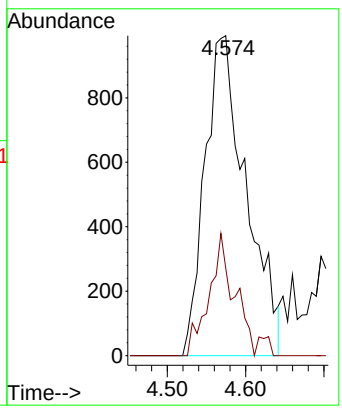





#25
2-Butanone
Concen: 5.043 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.037 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 363

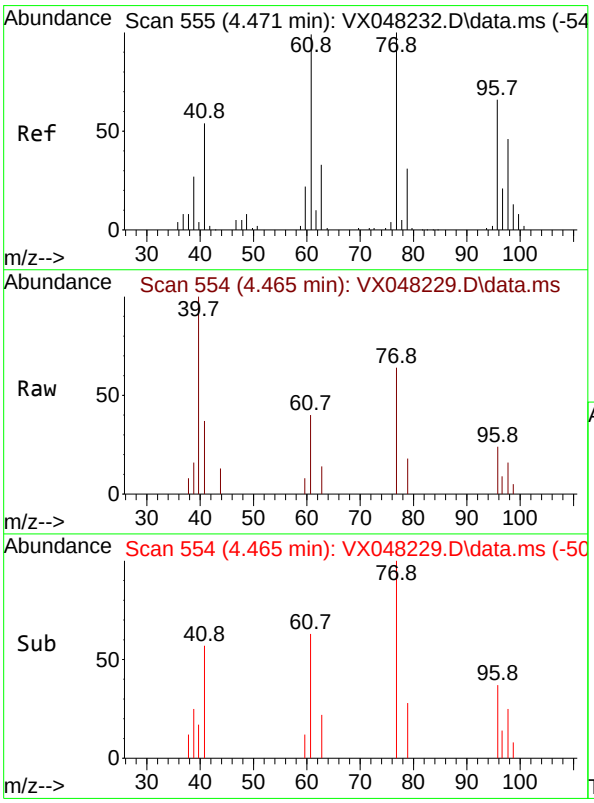
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.0 | 19.9 | 29.9 |




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

**Manual Integrations**
**APPROVED**

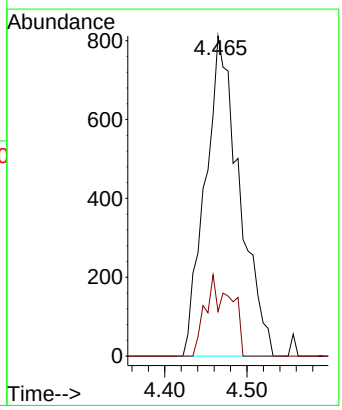
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

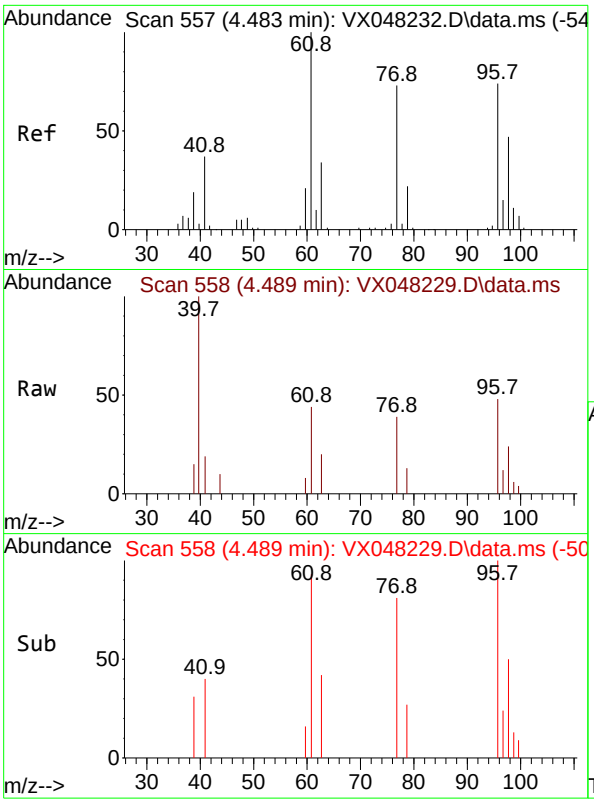



#26
2,2-Dichloropropane
Concen: 1.012 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 77 Resp: 2347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 14.3 | 11.1 | 33.3 |

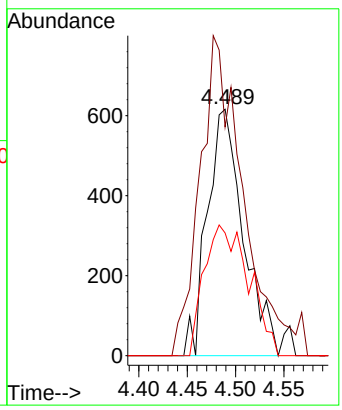





#27
cis-1,2-Dichloroethene
Concen: 0.959 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 96 Resp: 159

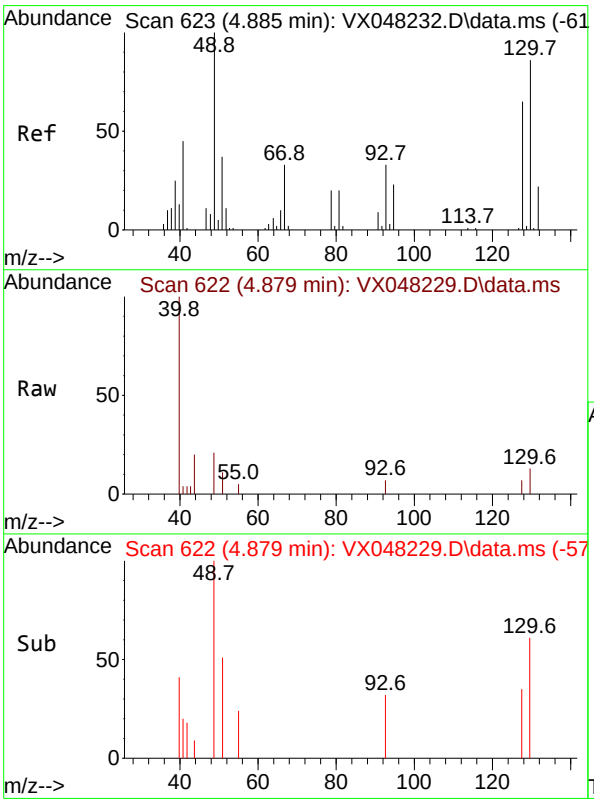
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.9 | 0.0 | 294.2 |
| 98 | 65.8 | 0.0 | 128.4 |




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

**Manual Integrations**
**APPROVED**

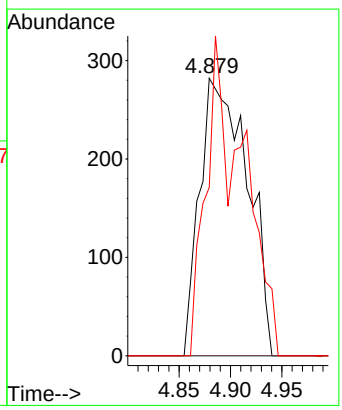
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

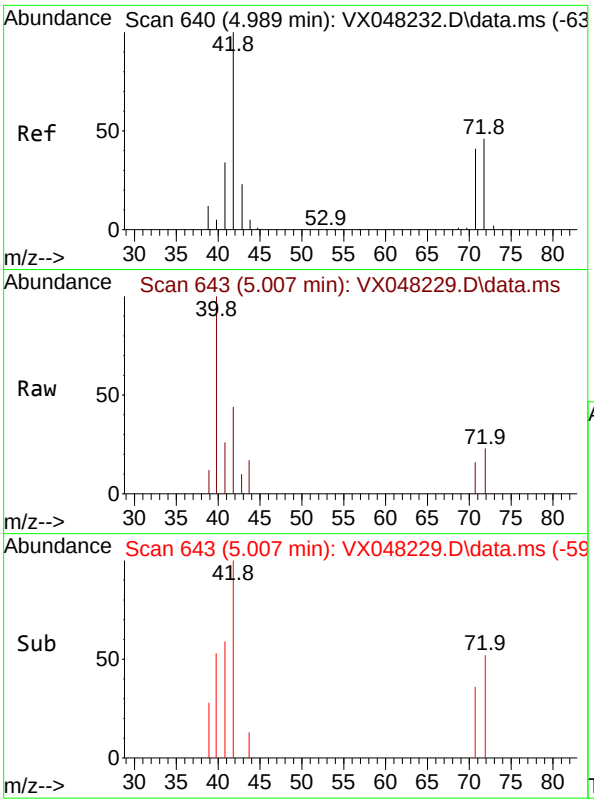



#28
Bromochloromethane
Concen: 0.726 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 49 Resp: 908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.4 |
| 130 | 47.0 | 59.3 | 88.9# |

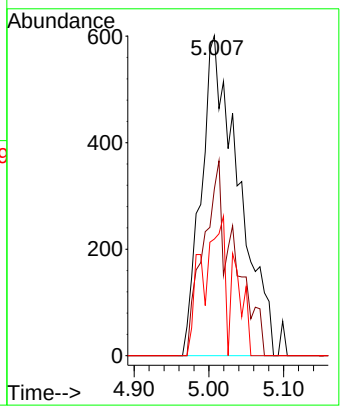





#29
Tetrahydrofuran
Concen: 4.929 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 42 Resp: 208

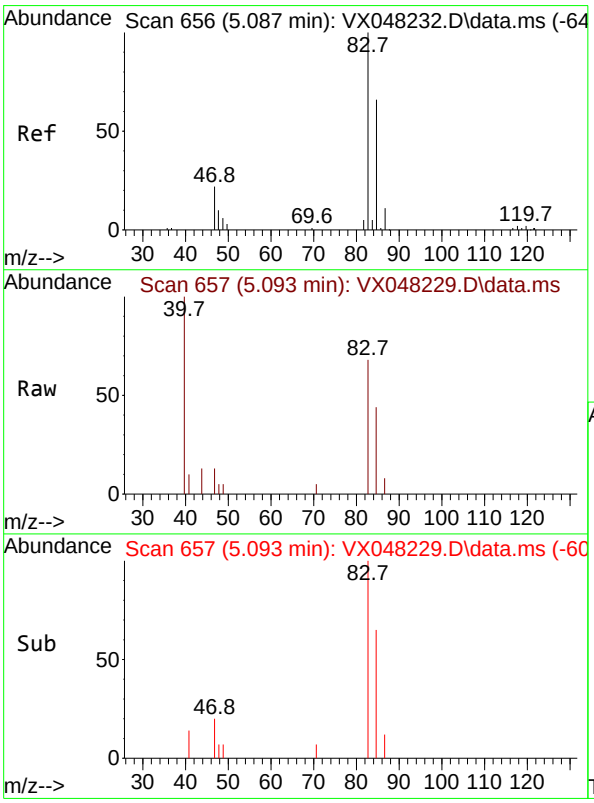
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 34.1 | 35.3 | 52.9# |
| 71 | 16.2 | 32.2 | 48.4# |




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

**Manual Integrations**
**APPROVED**

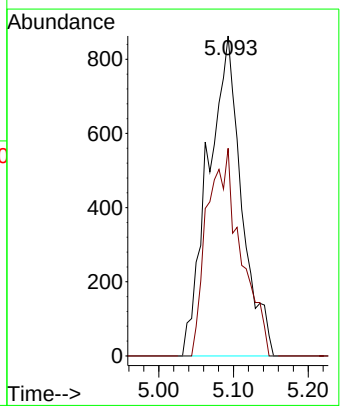
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

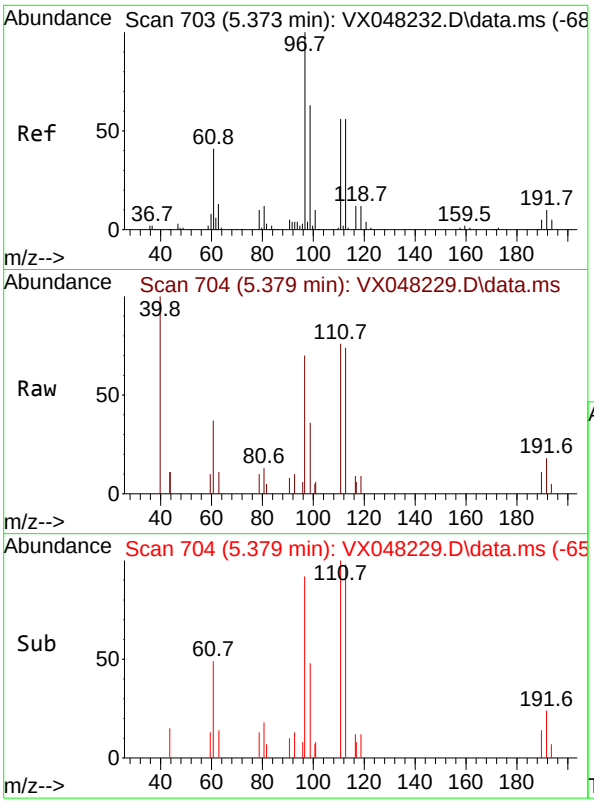



#30
Chloroform
Concen: 0.941 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 83 Resp: 2688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 50.1 | 75.1 |






#32
1,1,1-Trichloroethane
Concen: 1.048 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

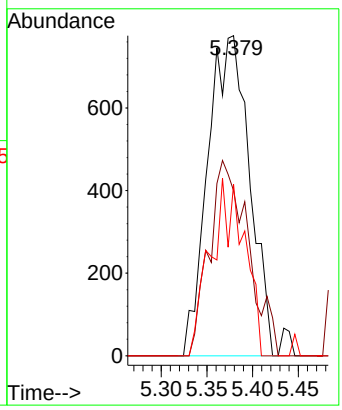
Tgt Ion: 97 Resp: 245

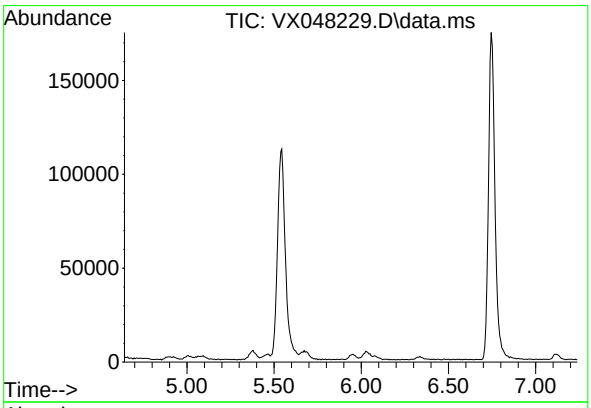
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 51.7 | 77.5 |
| 61 | 44.9 | 34.8 | 52.2 |

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



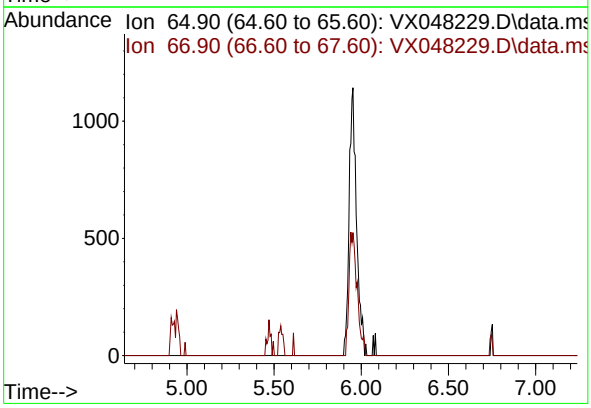



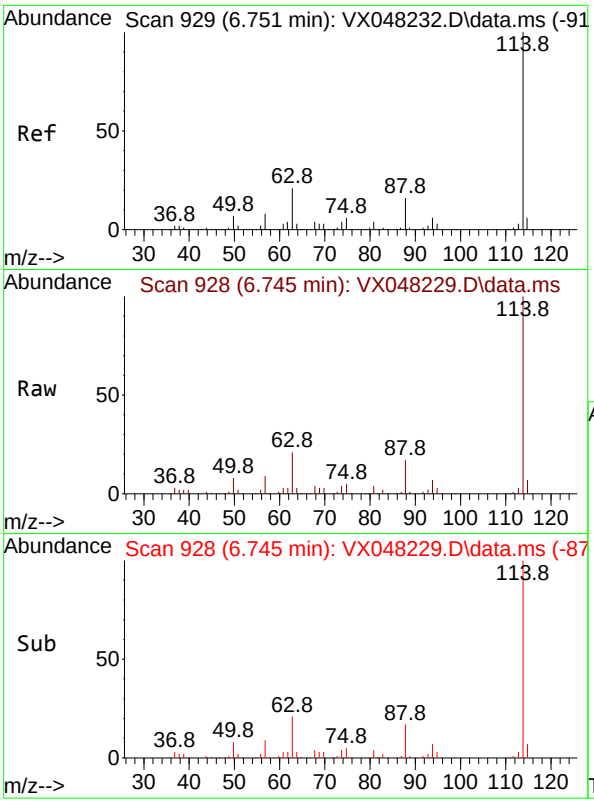

#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.94 min

Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 65

| Sig | Exp Ratio |
|---|---|
| 65 | 100 |
| 67 | 52.5 |






#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

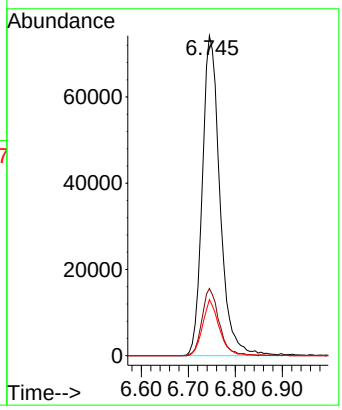
Tgt Ion:114 Resp: 19318

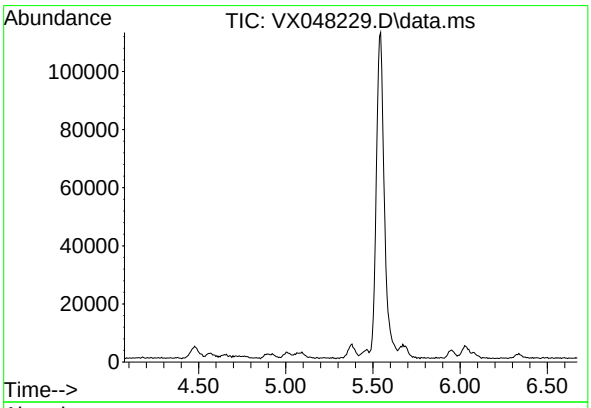
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 43.2 |
| 88 | 17.5 | 0.0 | 33.6 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



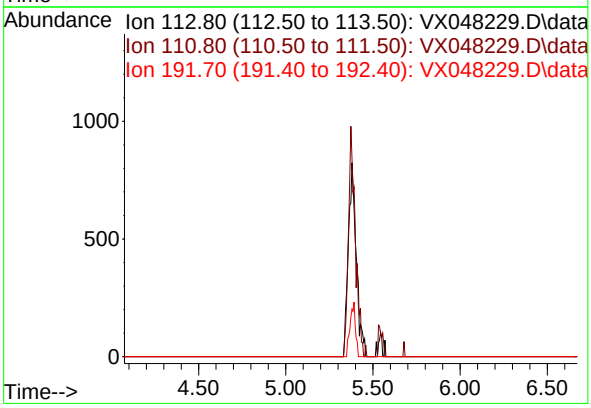



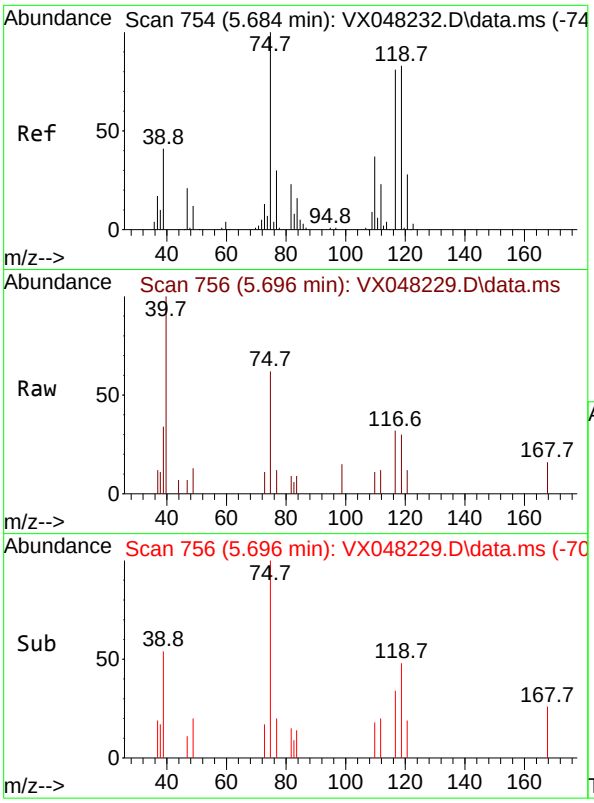

#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.37 min

Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 113

| Sig | Exp Ratio |
|---|---|
| 113 | 100 |
| 111 | 102.8 |
| 192 | 18.9 |

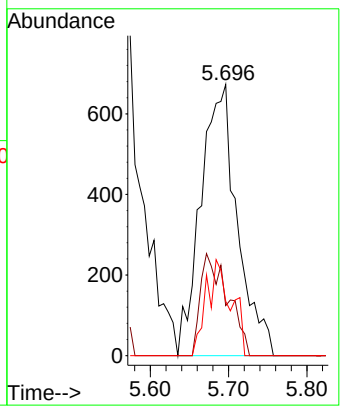





#36
1,1-Dichloropropene
Concen: 1.151 ug/l
RT: 5.696 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 75 Resp: 217

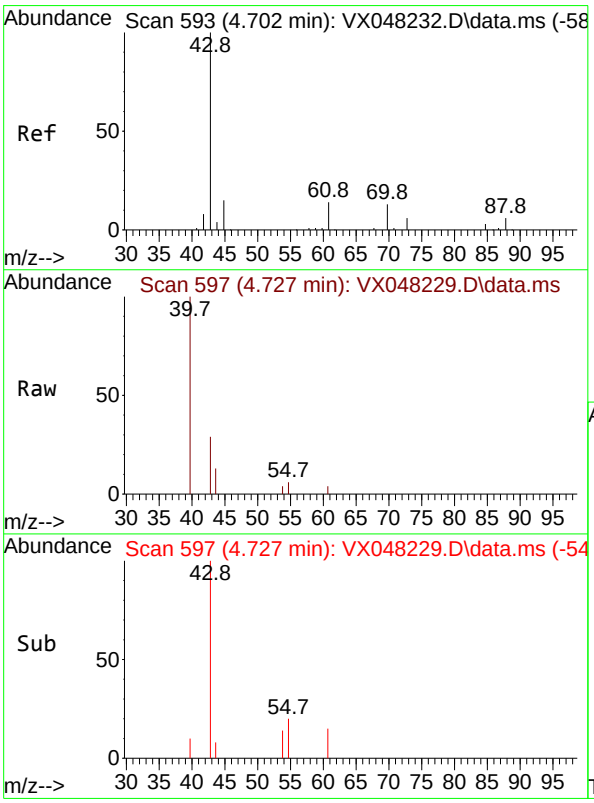
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 17.7 | 53.1# |
| 77 | 23.9 | 24.3 | 36.5# |




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

**Manual Integrations APPROVED**

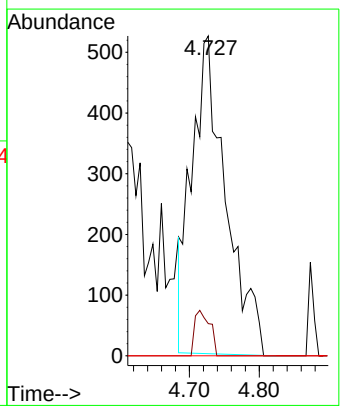
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

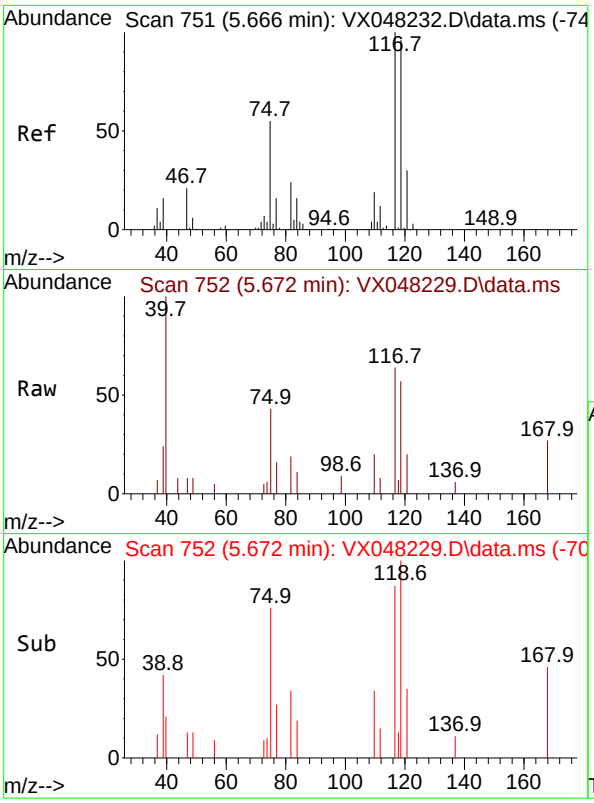



#37
Ethyl Acetate
Concen: 1.174 ug/l m
RT: 4.727 min Scan# 597
Delta R.T. 0.031 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 1772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 6.4 | 10.6 | 15.8# |
| 70 | 0.0 | 7.8 | 11.6# |

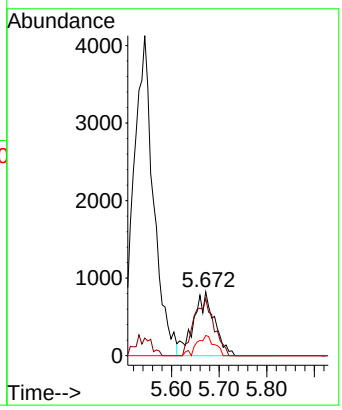





#38
Carbon Tetrachloride
Concen: 1.159 ug/l m
RT: 5.672 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:117 Resp: 251

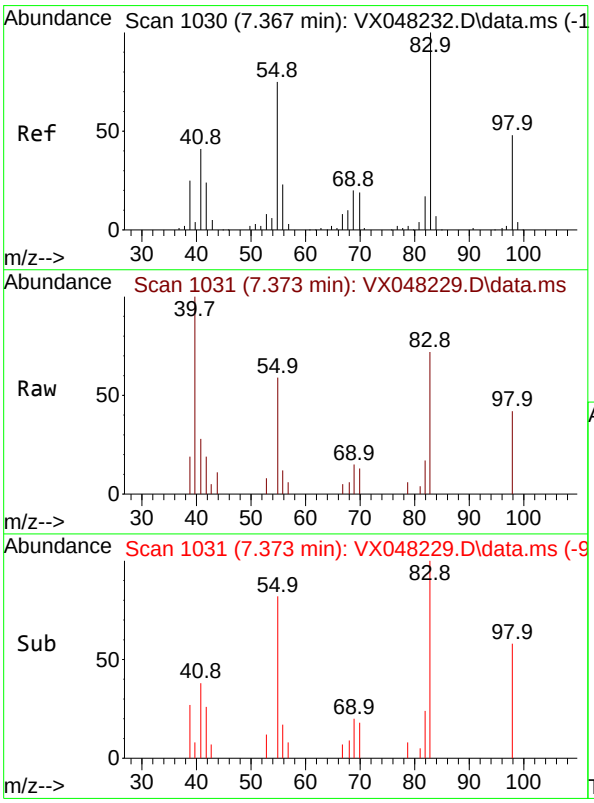
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 89.4 | 77.2 | 115.8 |
| 121 | 31.5 | 24.8 | 37.2 |




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

**Manual Integrations**
**APPROVED**

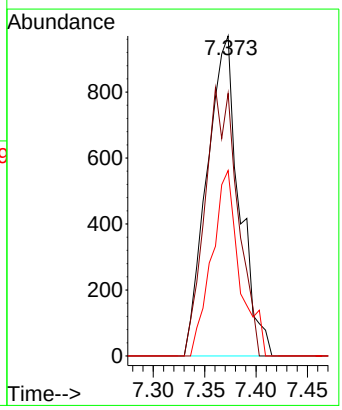
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

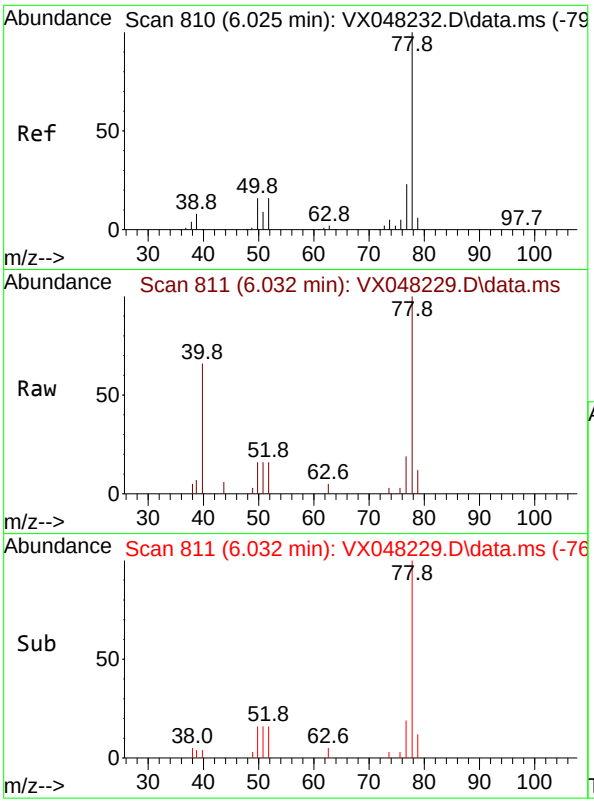



#39
Methylcyclohexane
Concen: 0.999 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 83 Resp: 2128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 82.1 | 66.2 | 99.2 |
| 98 | 57.9 | 38.9 | 58.3 |






#40
Benzene
Concen: 1.028 ug/l
RT: 6.032 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

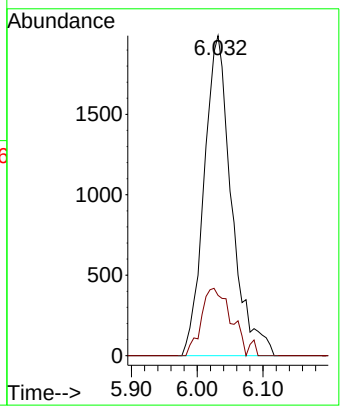
Tgt Ion: 78 Resp: 576

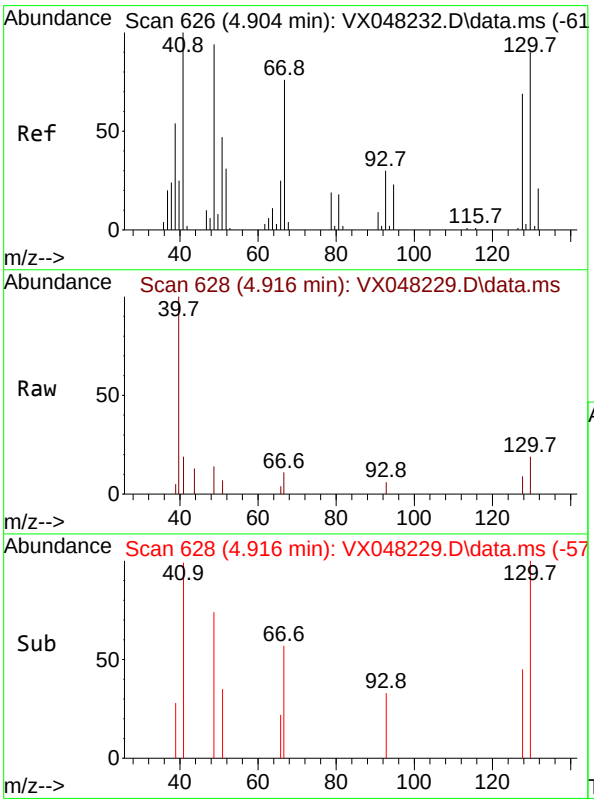
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 18.9 | 19.3 | 28.9# |

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

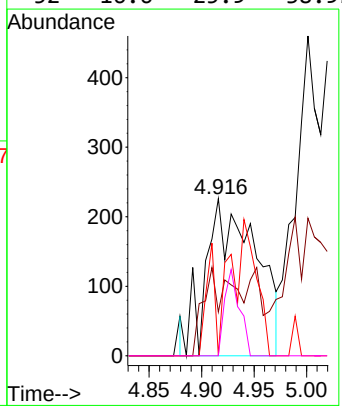


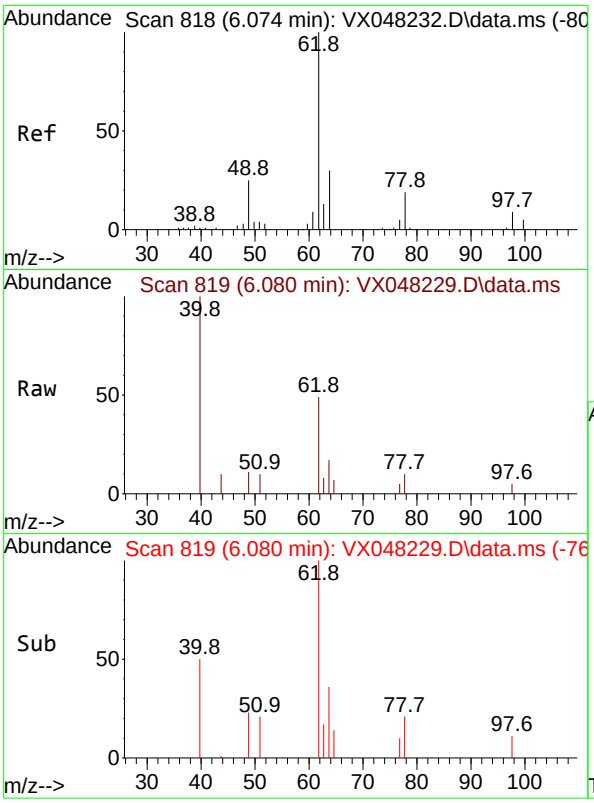




#41
Methacrylonitrile
Concen: 0.917 ug/l m
RT: 4.916 min Scan# 628
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 41 Resp: 741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 17.0 | 44.0 | 66.0# |
| 67 | 12.3 | 58.7 | 88.1# |
| 52 | 16.6 | 25.9 | 38.9# |

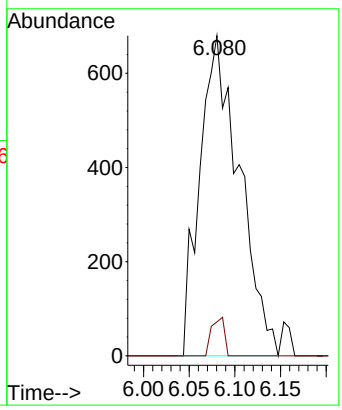





#42
1,2-Dichloroethane
Concen: 1.017 ug/l
RT: 6.080 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 62 Resp: 204

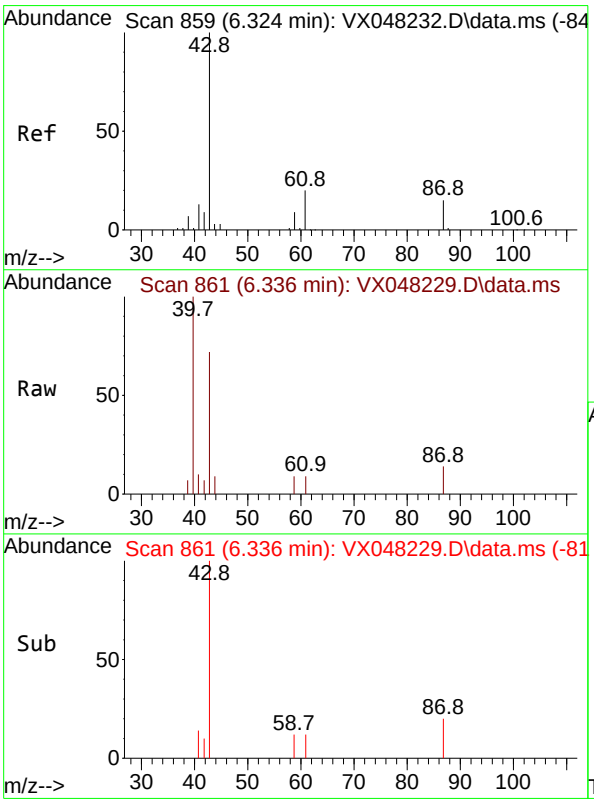
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 3.9 | 0.0 | 17.2 |




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

**Manual Integrations**
**APPROVED**

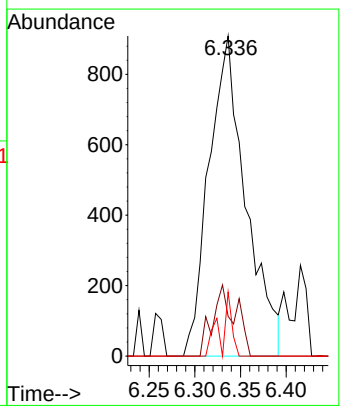
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

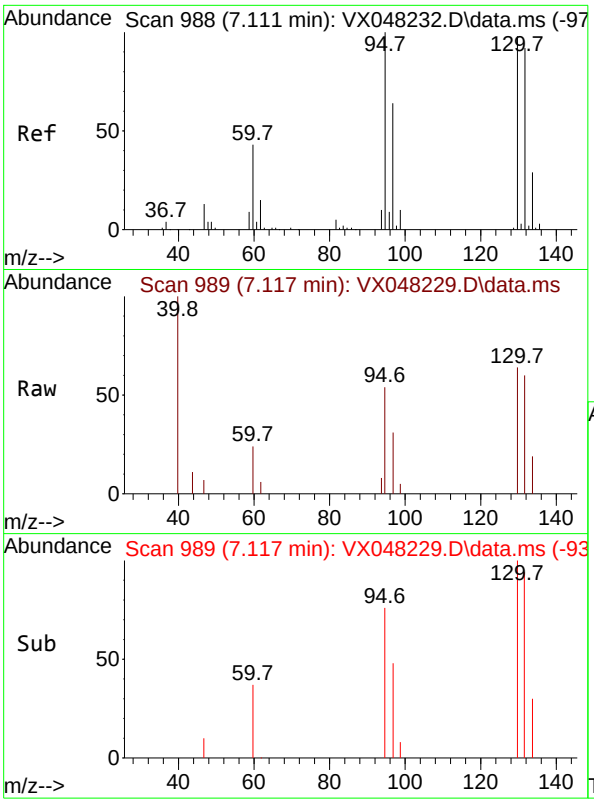



#43
Isopropyl Acetate
Concen: 1.006 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 2548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.8 | 14.9 | 22.3# |
| 87 | 3.4 | 9.4 | 14.2# |

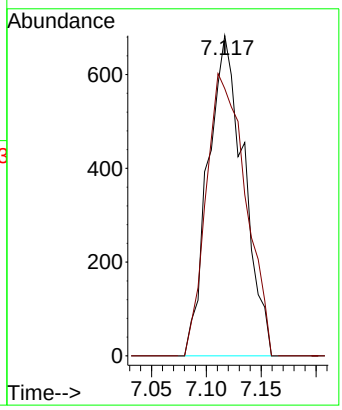





#44
Trichloroethene
Concen: 1.094 ug/l
RT: 7.117 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:130 Resp: 154

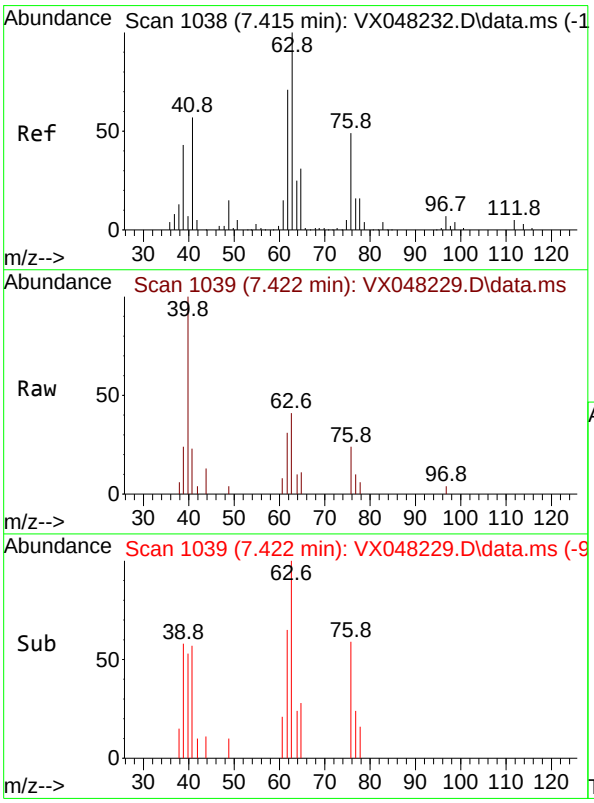
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 83.5 | 0.0 | 200.6 |




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

**Manual Integrations APPROVED**

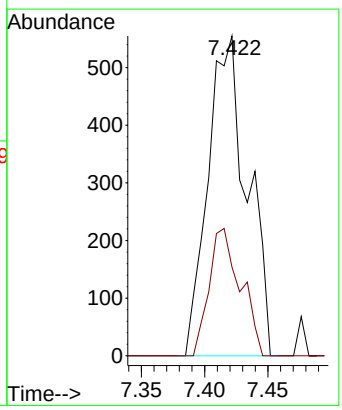
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

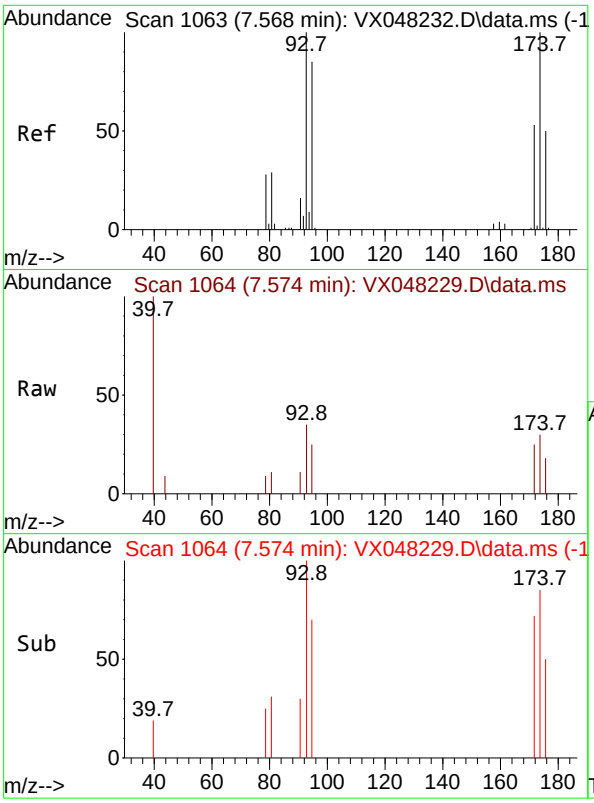



#45
1,2-Dichloropropane
Concen: 0.842 ug/l
RT: 7.422 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 63 Resp: 1195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 27.7 | 24.1 | 36.1 |

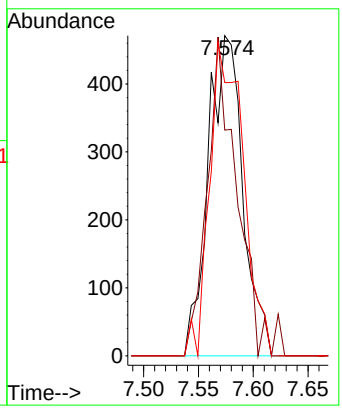





#46
Dibromomethane
Concen: 1.011 ug/l
RT: 7.574 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 93 Resp: 103

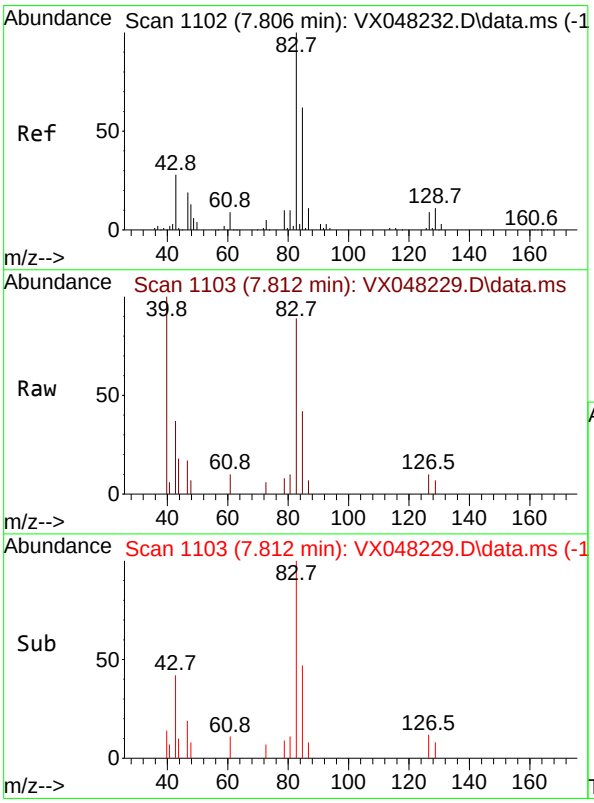
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 86.4 | 65.9 | 98.9 |
| 174 | 95.3 | 71.7 | 107.5 |




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

**Manual Integrations APPROVED**

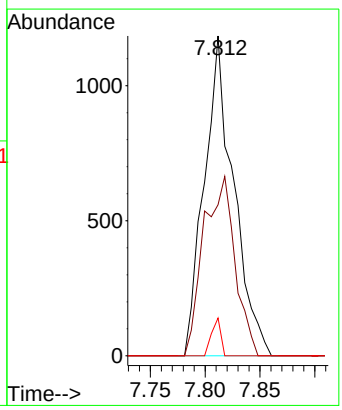
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

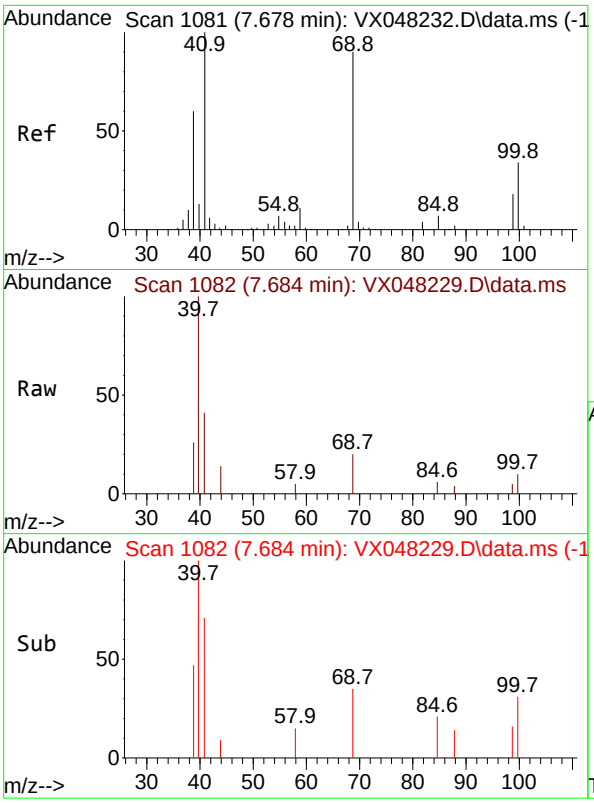



#47
Bromodichloromethane
Concen: 0.999 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 83 Resp: 2204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 47.2 | 52.2 | 78.4# |
| 127 | 11.8 | 7.3 | 10.9# |

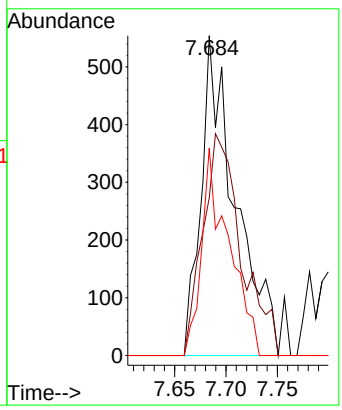





#48
Methyl methacrylate
Concen: 0.989 ug/l
RT: 7.684 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 41 Resp: 128

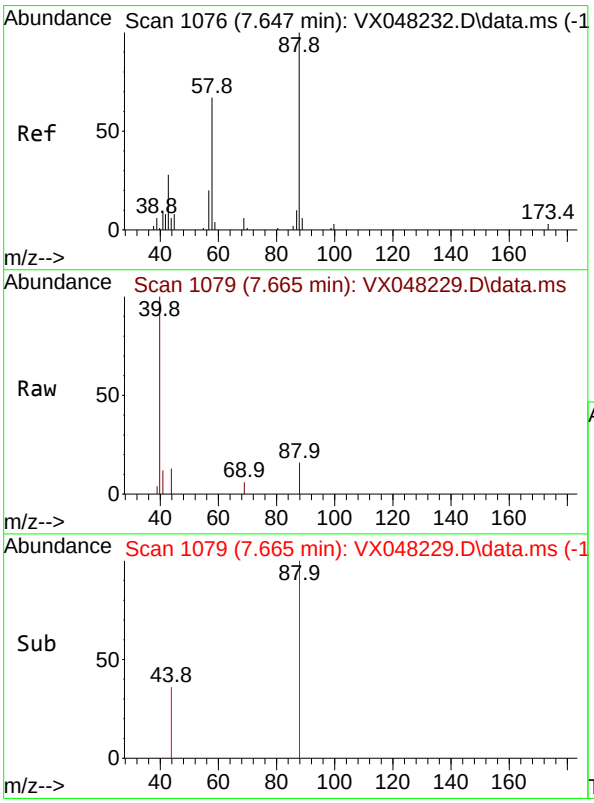
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.6 | 63.4 | 95.0 |
| 39 | 51.7 | 47.1 | 70.7 |




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

**Manual Integrations APPROVED**

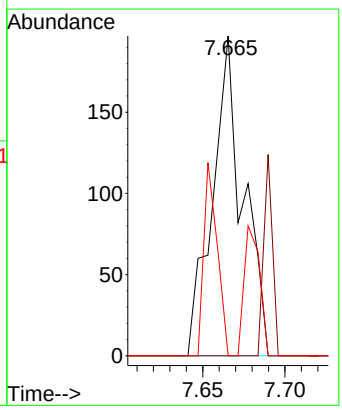
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

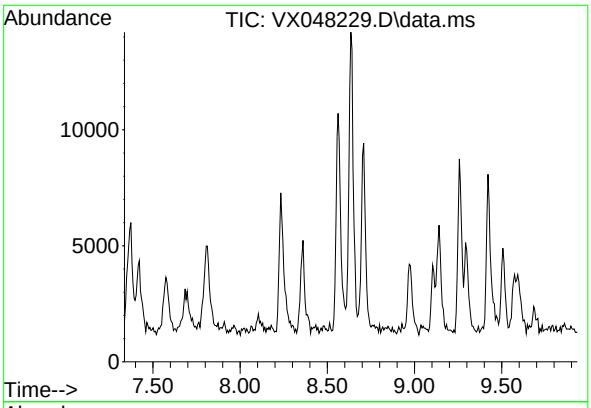



#49
1,4-Dioxane
Concen: 21.840 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.024 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 88 Resp: 255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 35.0 | 52.4# |
| 58 | 20.8 | 61.9 | 92.9# |






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

Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

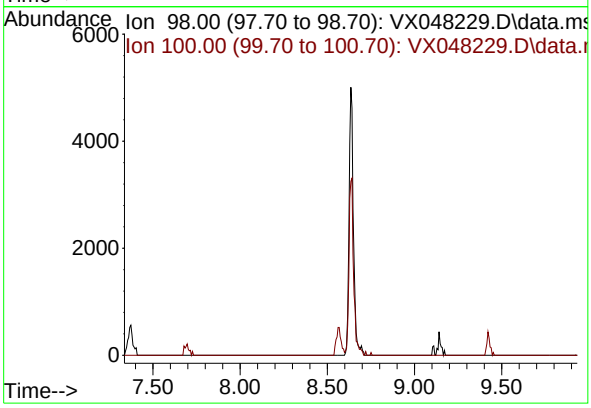
Tgt Ion: 98

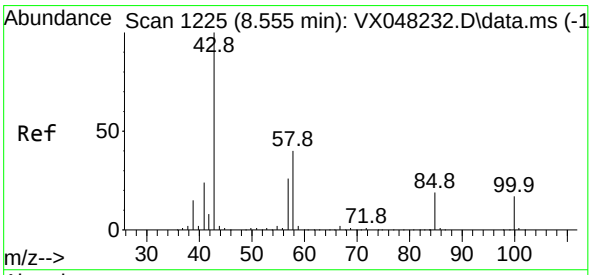
| Sig | Exp Ratio |
|---|---|
| 98 | 100 |
| 100 | 66.2 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

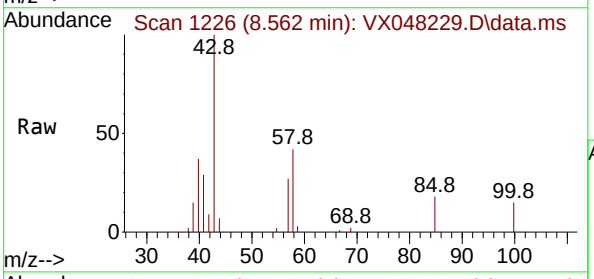


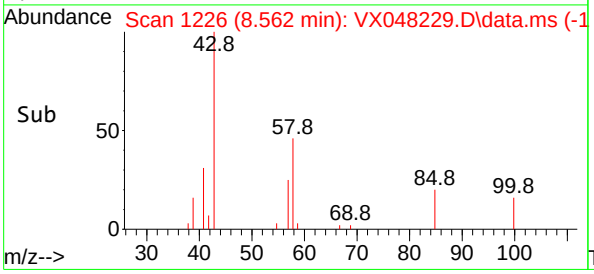



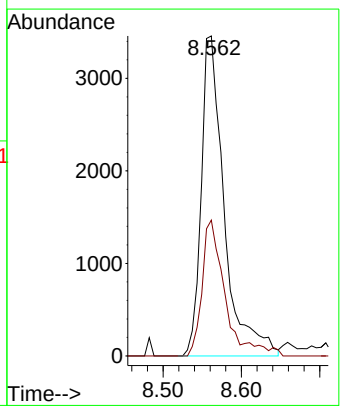

#51
4-Methyl-2-Pentanone
Concen: 5.011 ug/l
RT: 8.562 min Scan# 1226
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

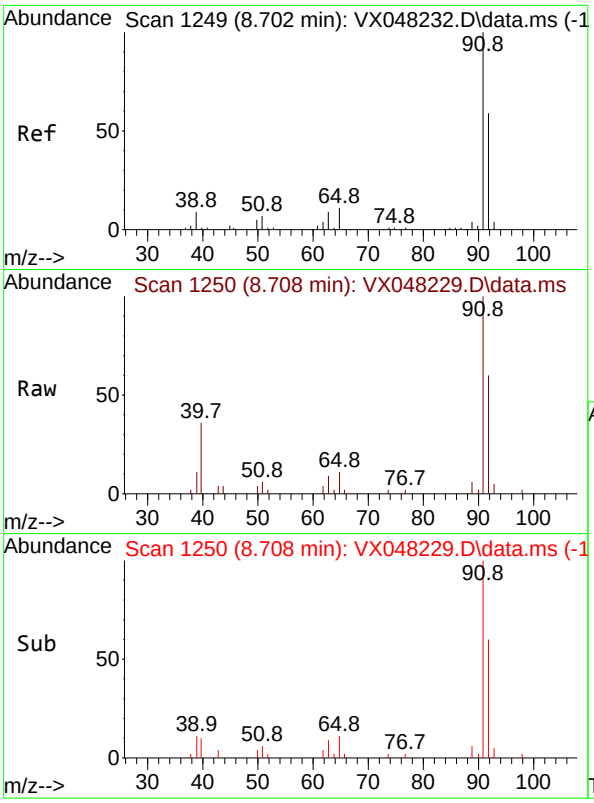
Tgt Ion: 43 Resp: 7066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 42.1 | 29.5 | 44.3 |



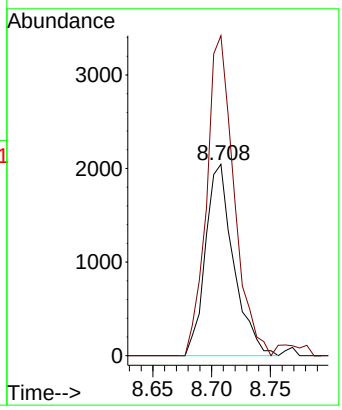






#52
Toluene
Concen: 1.010 ug/l
RT: 8.708 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 92 Resp: 340

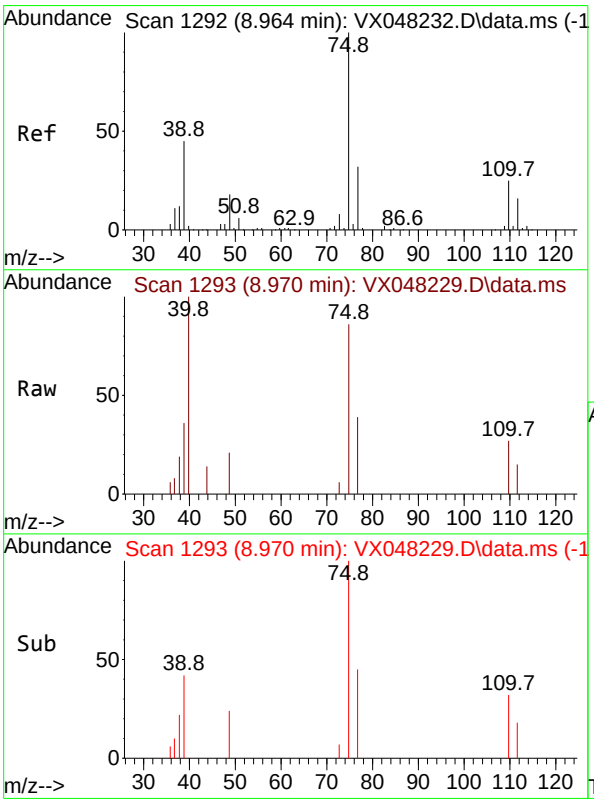
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 162.8 | 136.1 | 204.1 |




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

**Manual Integrations**
**APPROVED**

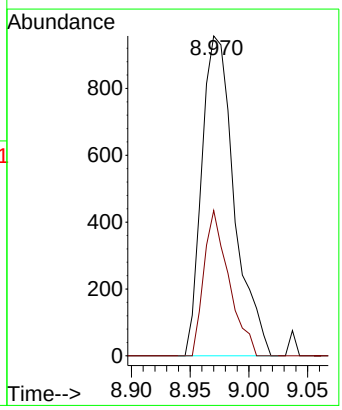
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

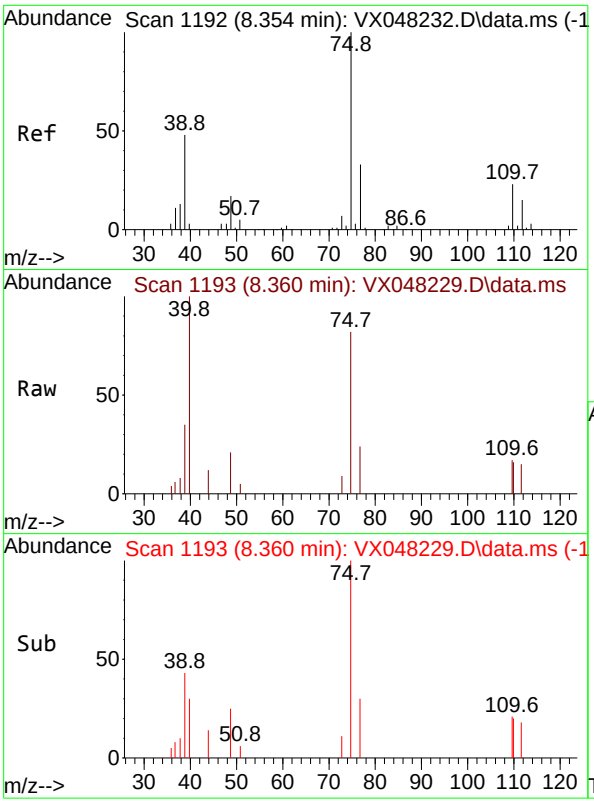



#53
t-1,3-Dichloropropene
Concen: 0.892 ug/l
RT: 8.970 min Scan# 1293
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 75 Resp: 1844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 45.5 | 25.0 | 37.6# |

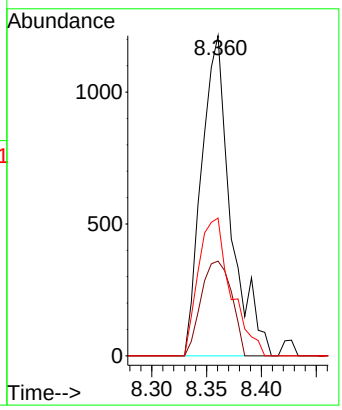





#54
cis-1,3-Dichloropropene
Concen: 0.998 ug/l
RT: 8.360 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 75 Resp: 225

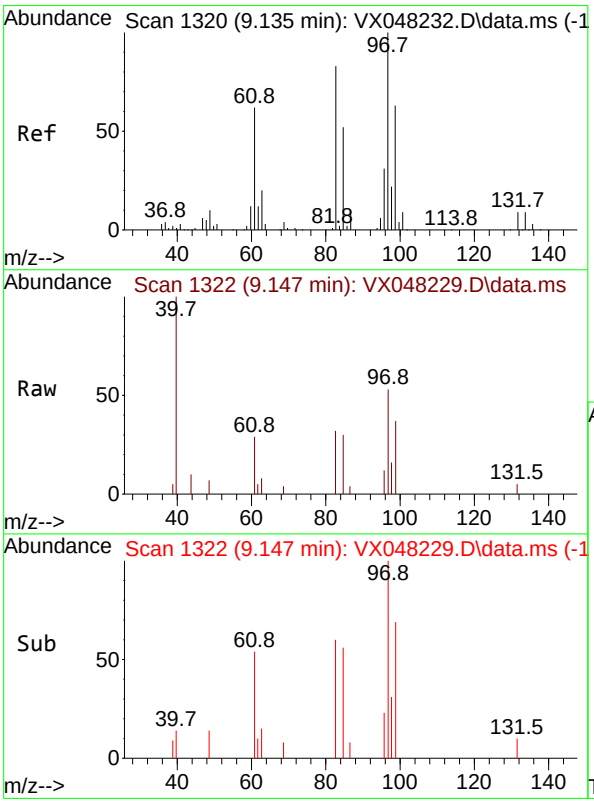
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.6 | 24.9 | 37.3 |
| 39 | 43.0 | 42.6 | 64.0 |




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

**Manual Integrations**
**APPROVED**

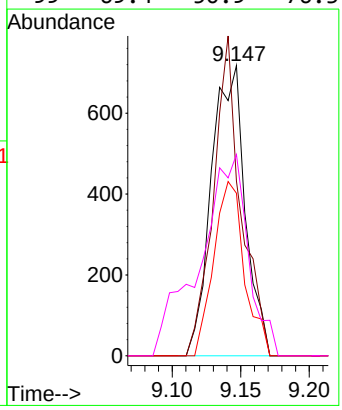
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

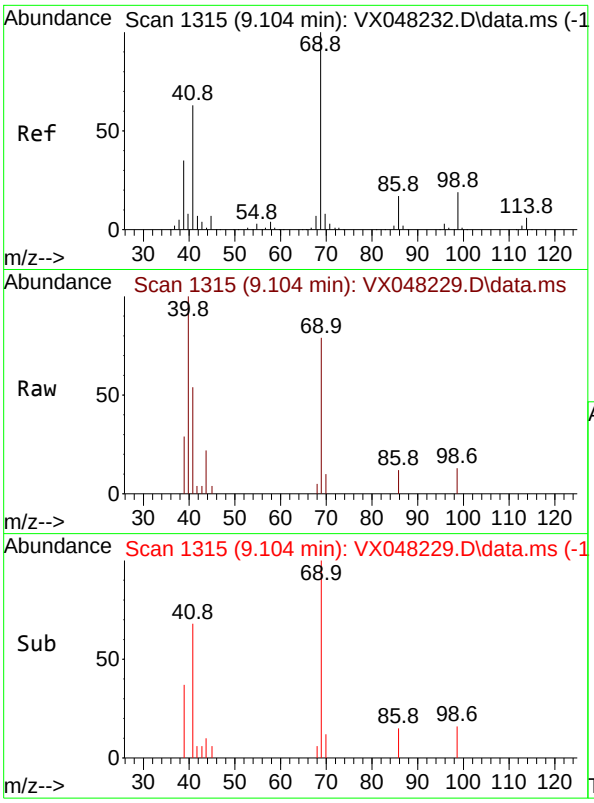



#55
1,1,2-Trichloroethane
Concen: 0.977 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 97 Resp: 1229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 60.2 | 70.6 | 105.8# |
| 85 | 56.0 | 45.0 | 67.6 |
| 99 | 69.4 | 50.9 | 76.3 |

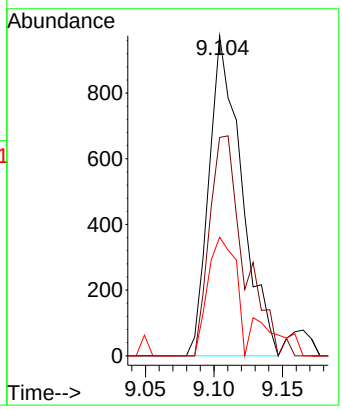





#56
Ethyl methacrylate
Concen: 0.945 ug/l
RT: 9.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 69 Resp: 161

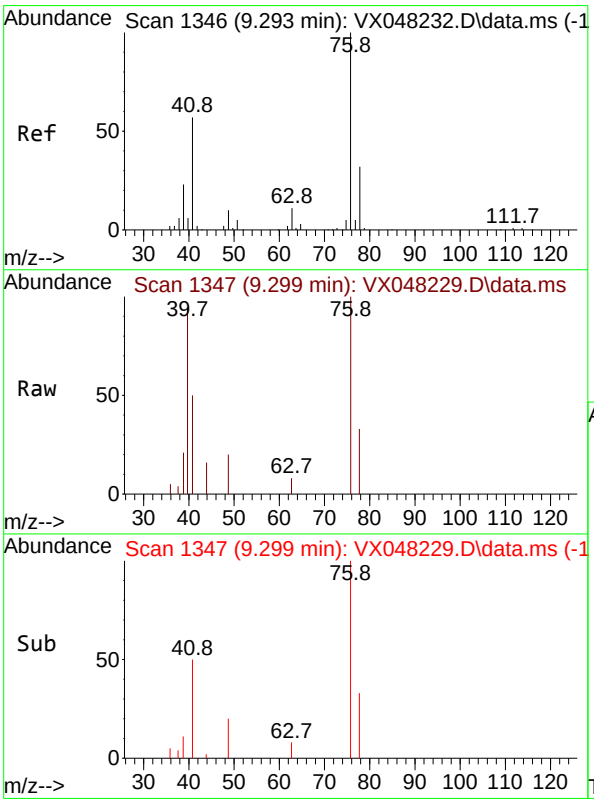
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 73.0 | 56.0 | 84.0 |
| 39 | 36.5 | 31.6 | 47.4 |




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

**Manual Integrations APPROVED**

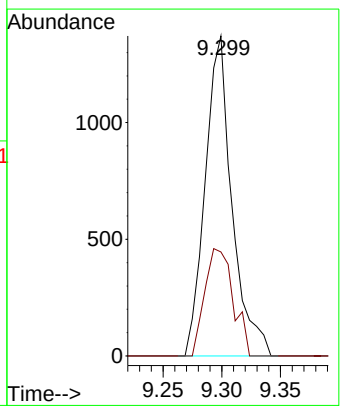
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

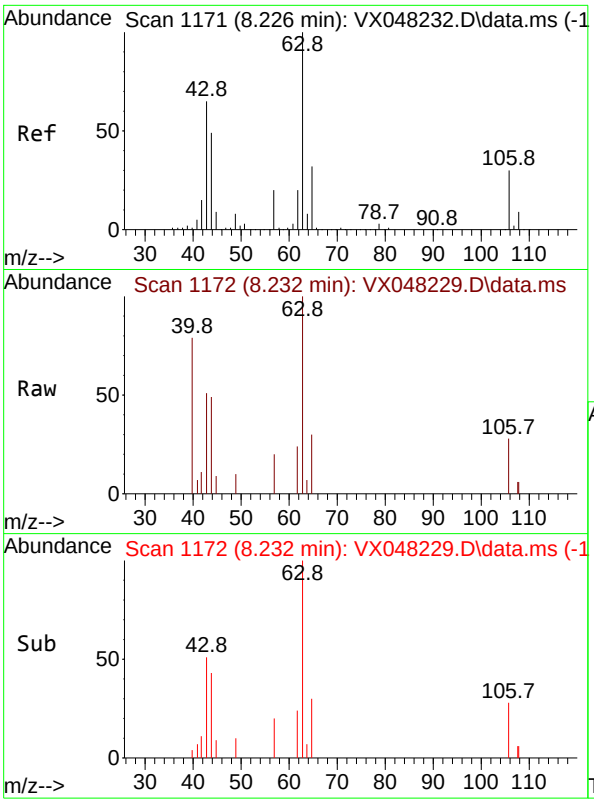



#57
1,3-Dichloropropane
Concen: 0.989 ug/l
RT: 9.299 min Scan# 1347
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 76 Resp: 2174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 35.5 | 25.4 | 38.0 |






#58
2-Chloroethyl Vinyl ether
Concen: 3.381 ug/l
RT: 8.232 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

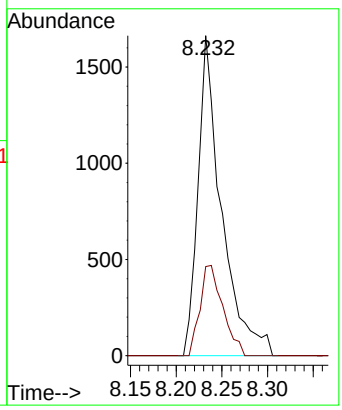
Tgt Ion: 63 Resp: 297

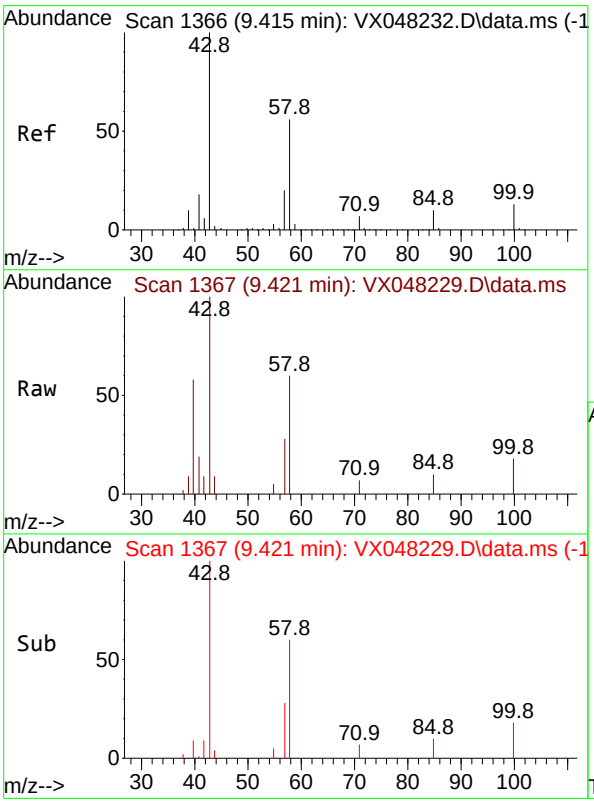
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 22.2 | 33.2 |

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

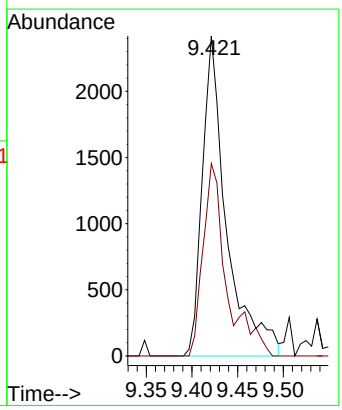


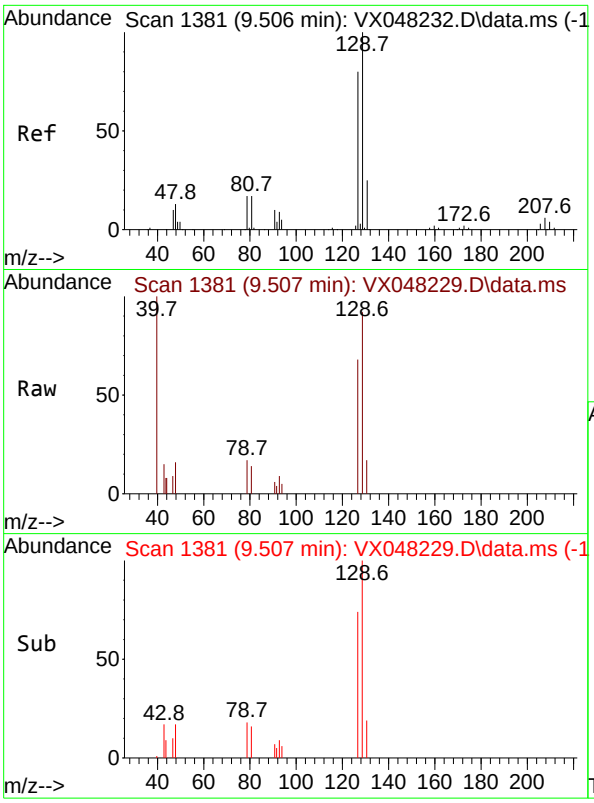




#59
2-Hexanone
Concen: 4.518 ug/l
RT: 9.421 min Scan# 1367
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 4456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 58.1 | 26.3 | 78.8 |

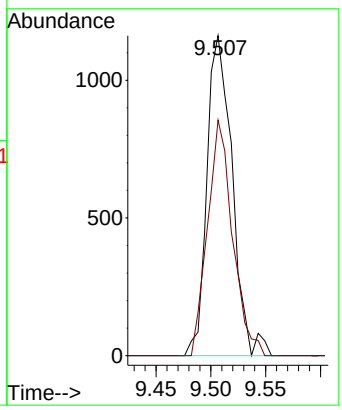





#60
Dibromochloromethane
Concen: 1.183 ug/l
RT: 9.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:129 Resp: 186

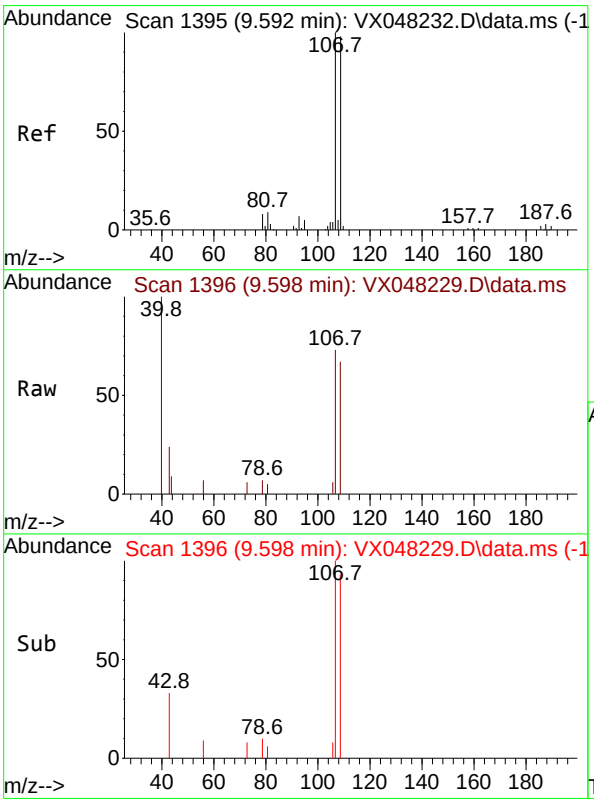
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 72.9 | 38.6 | 115.7 |




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

**Manual Integrations APPROVED**

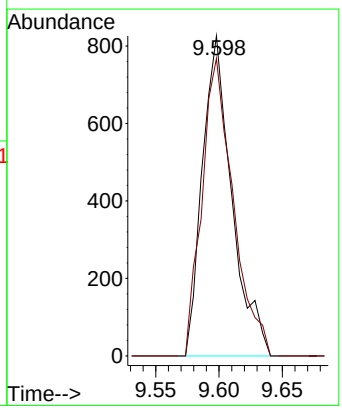
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

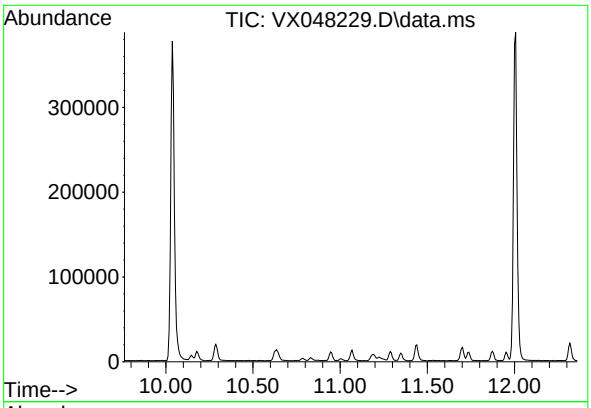



#61
1,2-Dibromoethane
Concen: 1.037 ug/l
RT: 9.598 min Scan# 1396
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:107 Resp: 1338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 98.6 | 77.0 | 115.4 |






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

Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

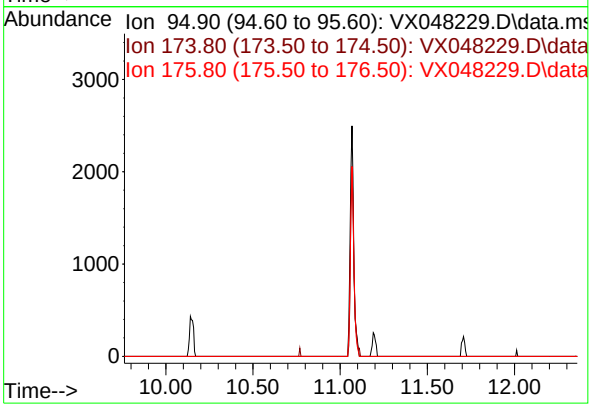
Tgt Ion: 95

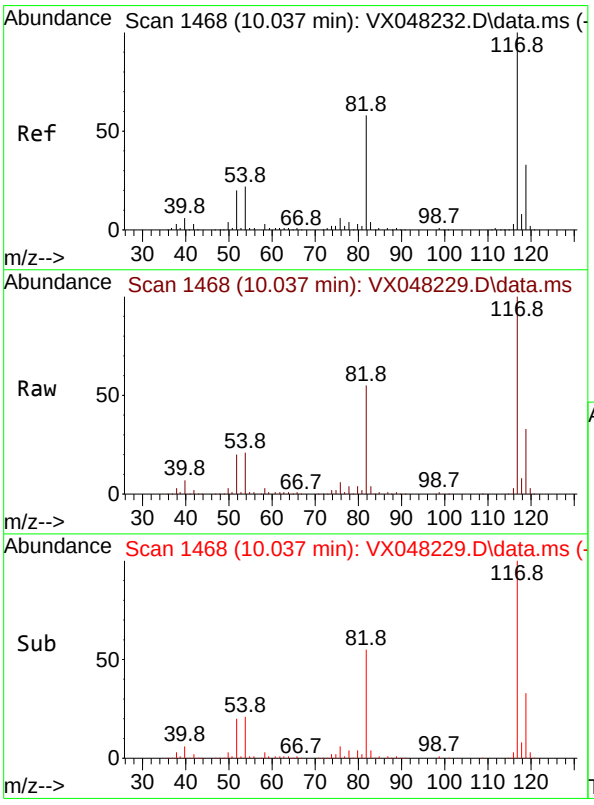
| Sig | Exp Ratio |
|---|---|
| 95 | 100 |
| 174 | 73.9 |
| 176 | 71.4 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

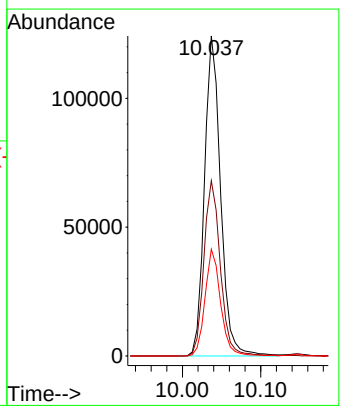


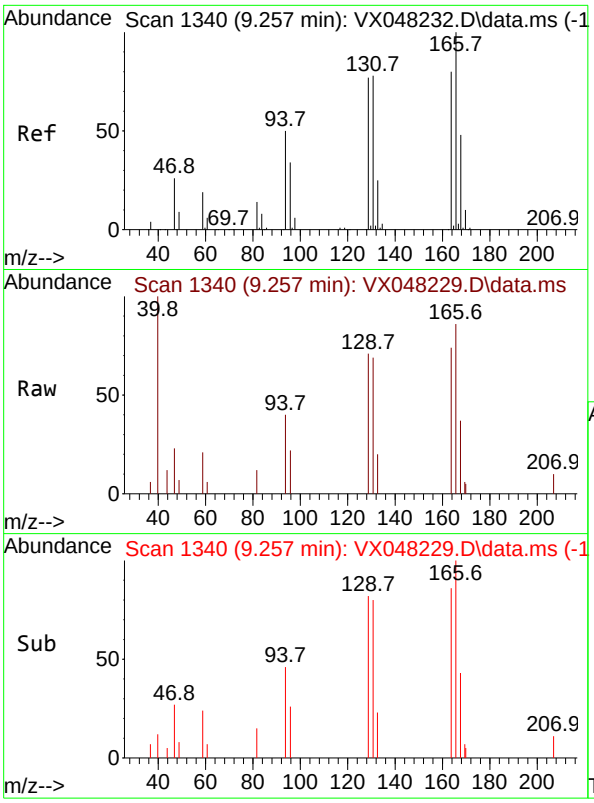




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:117 Resp: 177252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.8 | 46.5 | 69.7 |
| 119 | 33.3 | 25.9 | 38.9 |

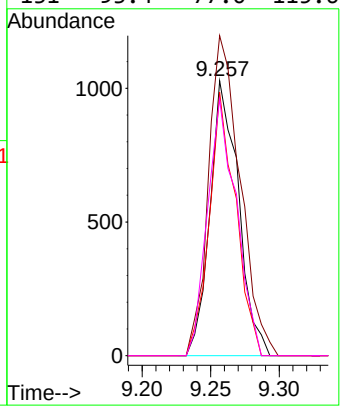





#64
Tetrachloroethene
Concen: 1.192 ug/l
RT: 9.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:164 Resp: 148

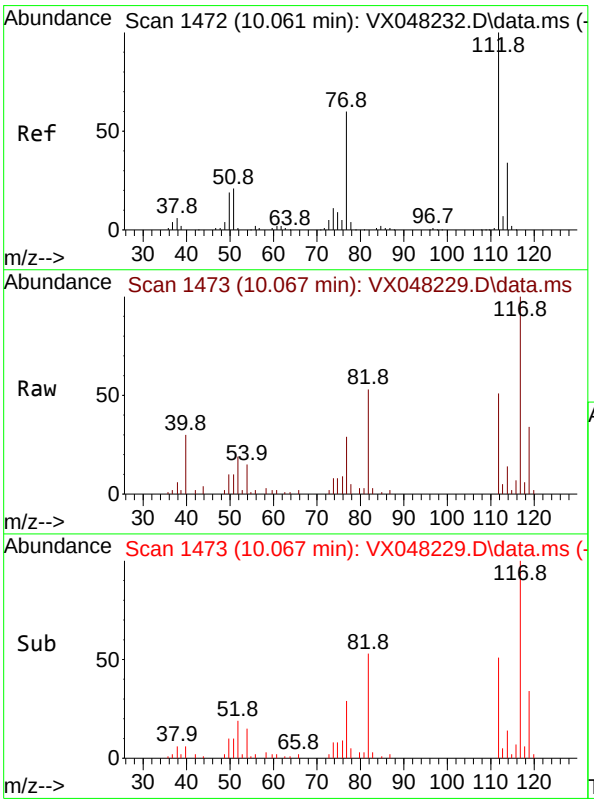
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 116.4 | 104.5 | 156.7 |
| 129 | 95.9 | 81.8 | 122.6 |
| 131 | 93.4 | 77.0 | 115.6 |




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

**Manual Integrations**
**APPROVED**

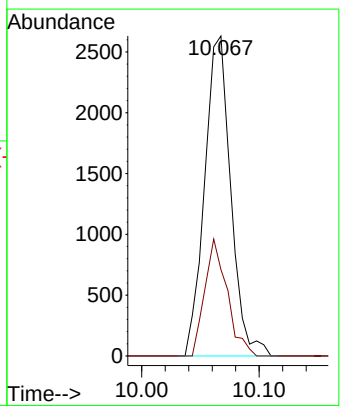
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

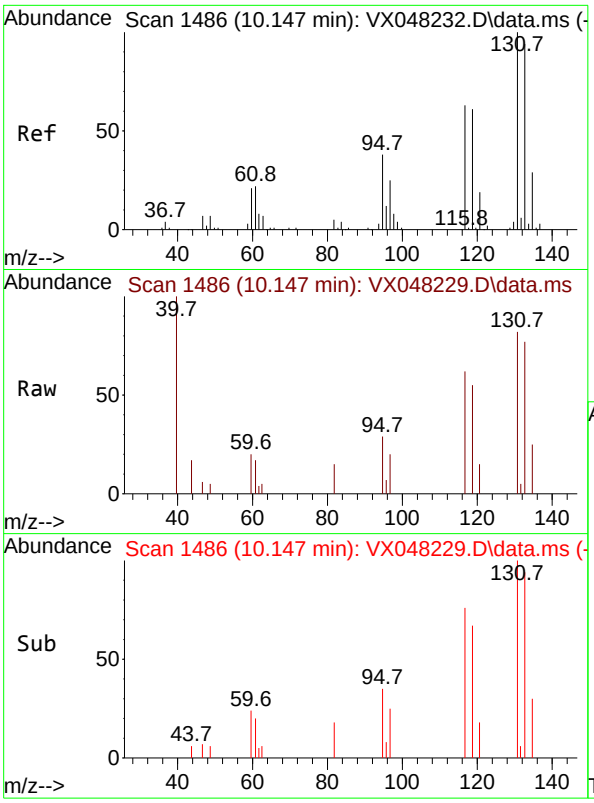



#65
Chlorobenzene
Concen: 1.051 ug/l
RT: 10.067 min Scan# 1473
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:112 Resp: 4073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 27.0 | 26.2 | 39.2 |

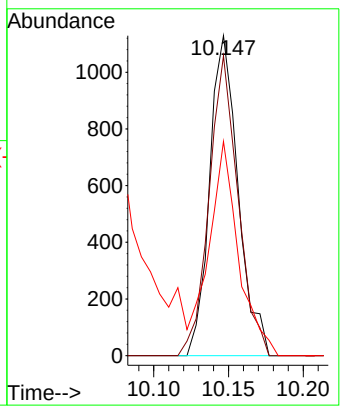





#66
1,1,1,2-Tetrachloroethane
Concen: 1.070 ug/l
RT: 10.147 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:131 Resp: 149

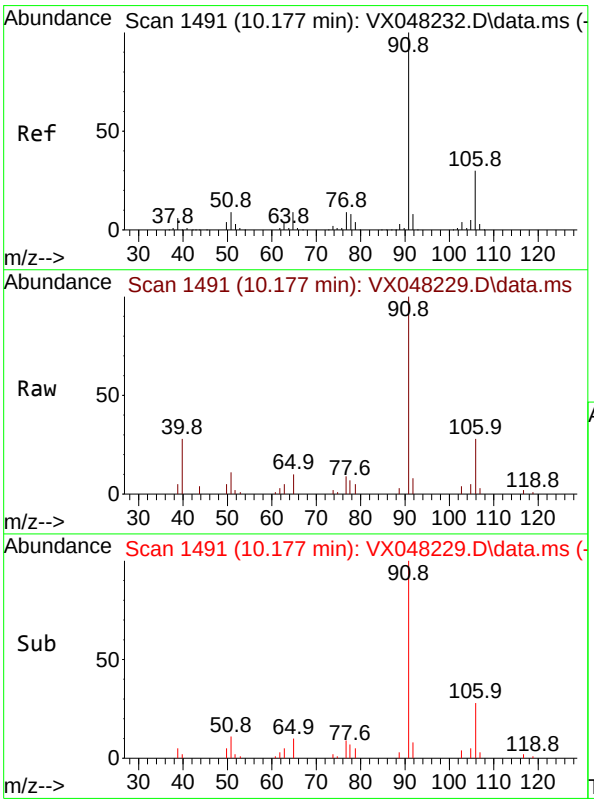
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.1 | 47.6 | 142.8 |
| 119 | 0.0 | 32.5 | 97.5# |




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

**Manual Integrations**
**APPROVED**

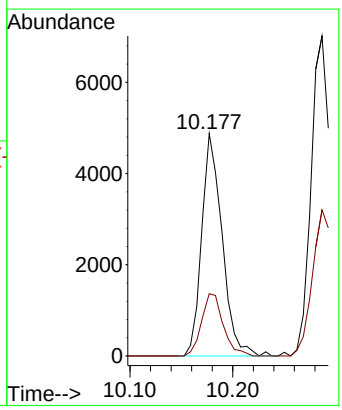
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

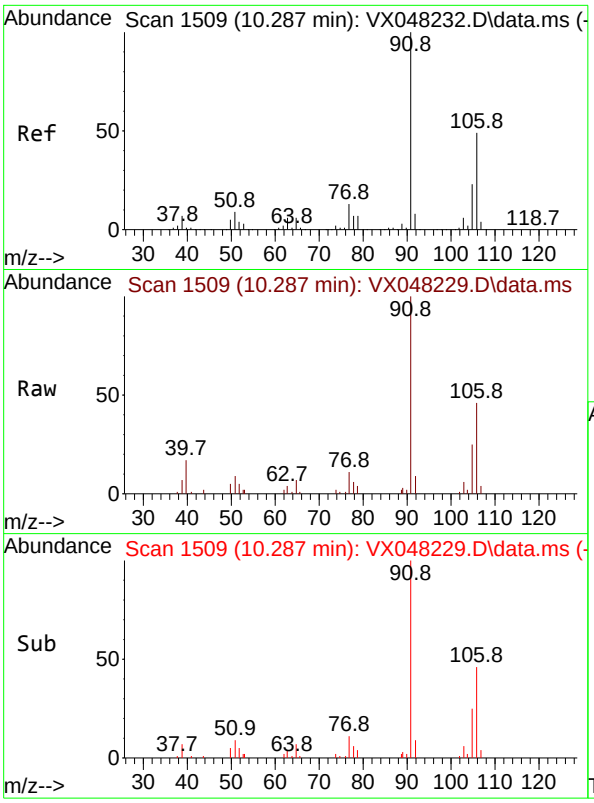



#67
Ethyl Benzene
Concen: 1.016 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 91 Resp: 6752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.0 | 23.8 | 35.6 |






#68
m/p-Xylenes
Concen: 1.854 ug/l
RT: 10.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

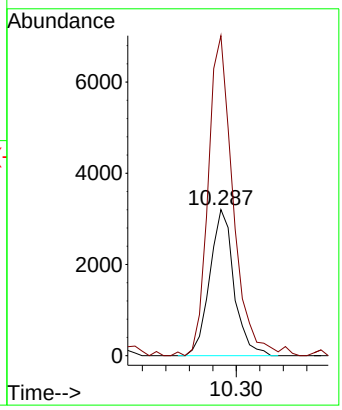
Tgt Ion:106 Resp: 458

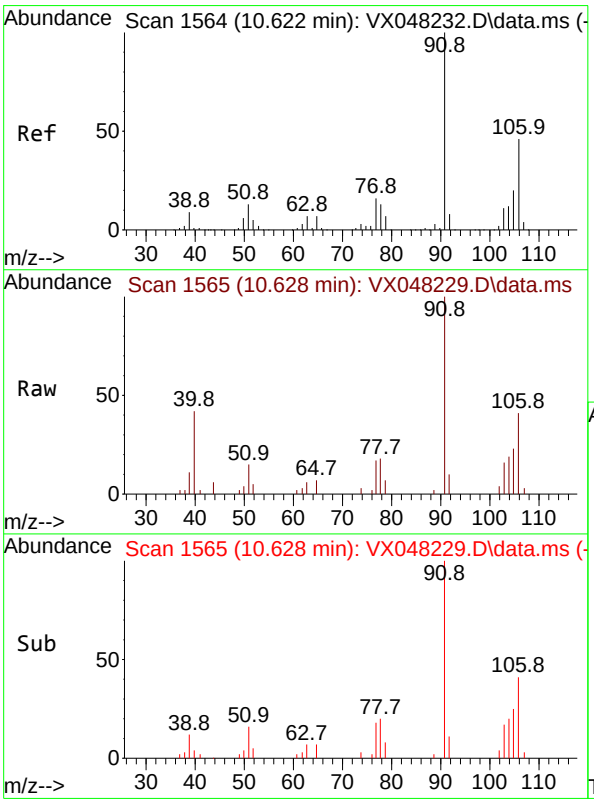
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 225.6 | 167.9 | 251.9 |

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

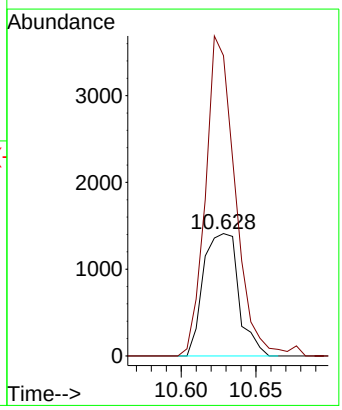


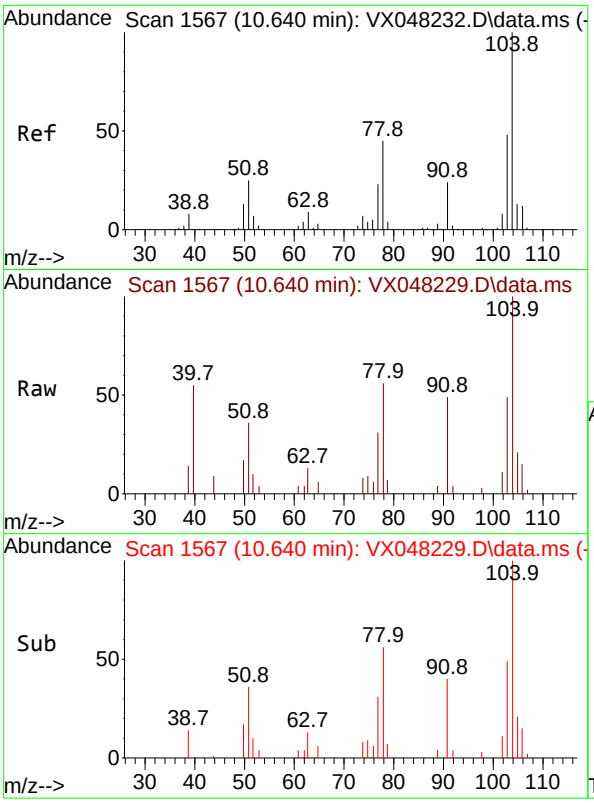




#69
o-Xylene
Concen: 0.993 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:106 Resp: 2313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.2 | 111.3 | 333.9 |

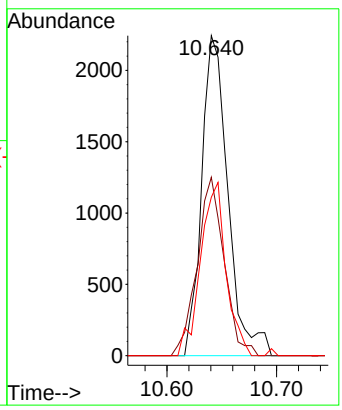





#70
Styrene
Concen: 0.932 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:104 Resp: 373

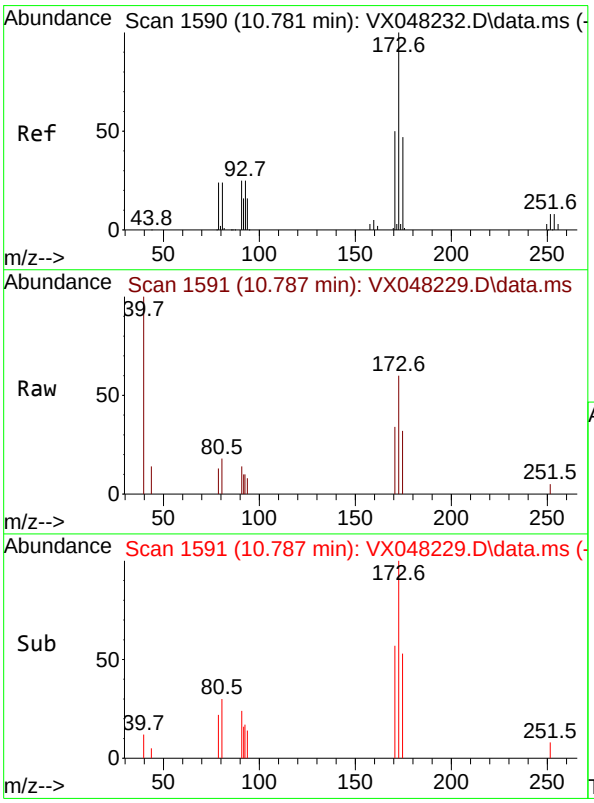
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.1 | 42.2 | 63.4 |
| 103 | 52.6 | 43.0 | 64.4 |




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

**Manual Integrations**
**APPROVED**

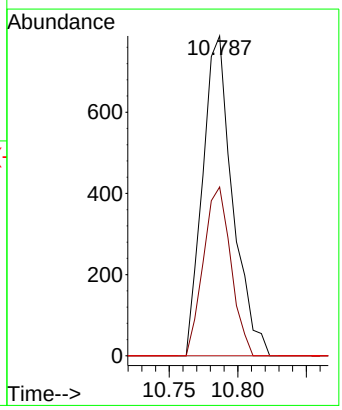
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

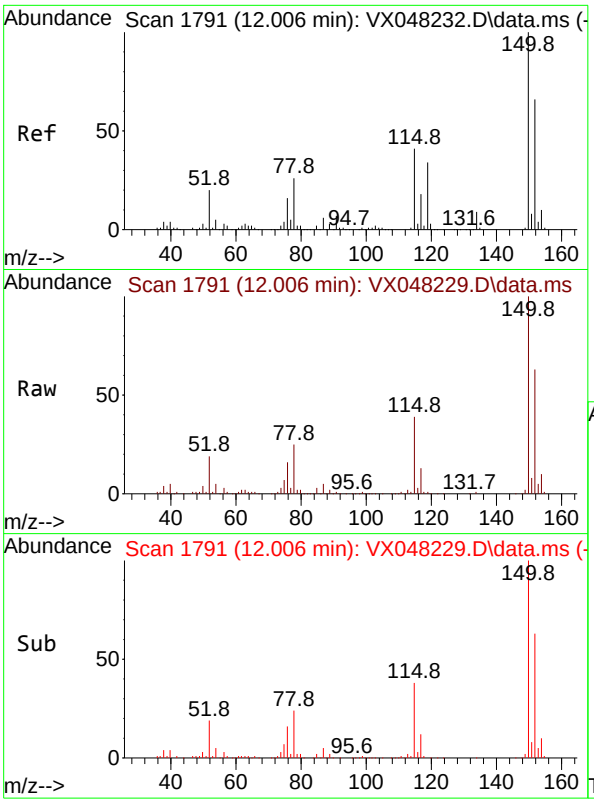



#71
Bromoform
Concen: 1.168 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:173 Resp: 1198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.4 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |

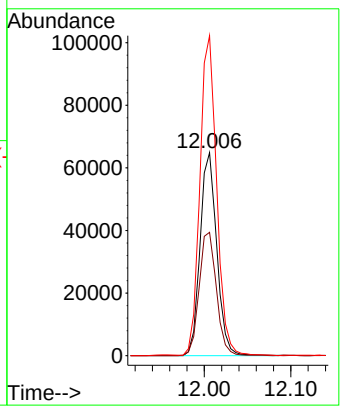





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:152 Resp: 8694

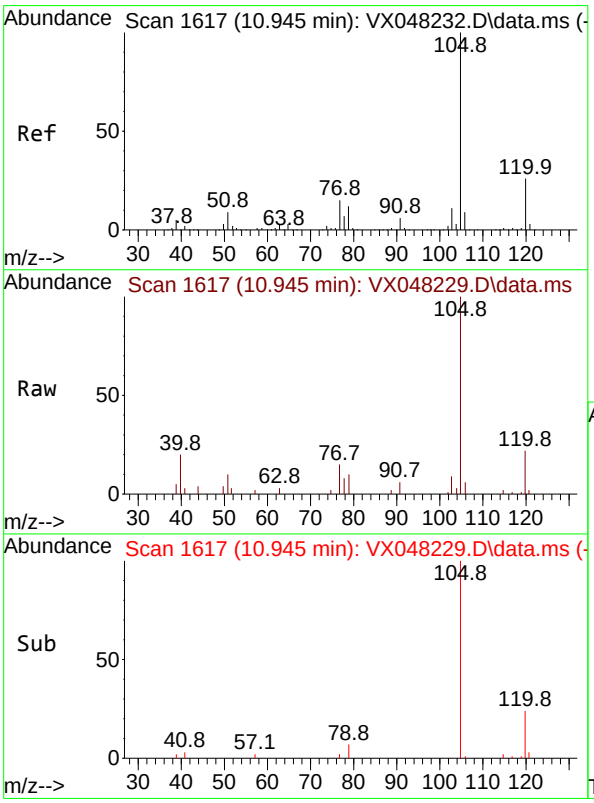
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 63.0 | 43.1 | 129.4 |
| 150 | 158.2 | 0.0 | 353.0 |




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

**Manual Integrations APPROVED**

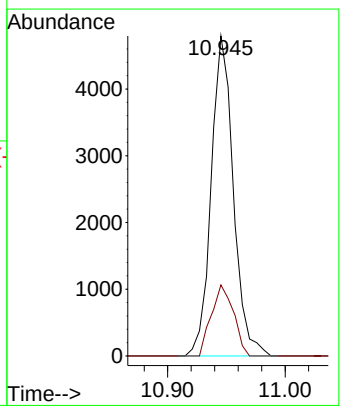
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

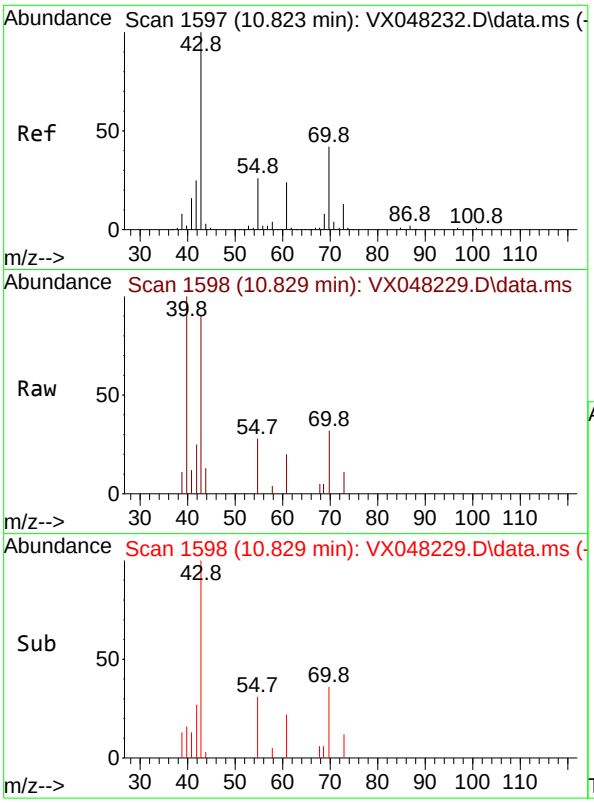



#73
Isopropylbenzene
Concen: 1.040 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:105 Resp: 6291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 22.2 | 13.0 | 38.9 |

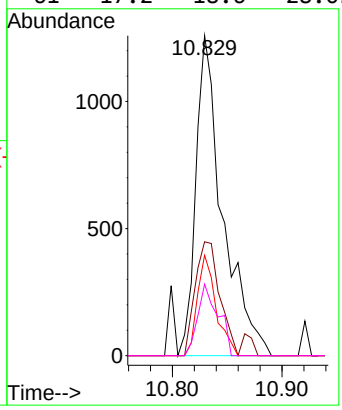





#74
N-amyl acetate
Concen: 0.947 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 213

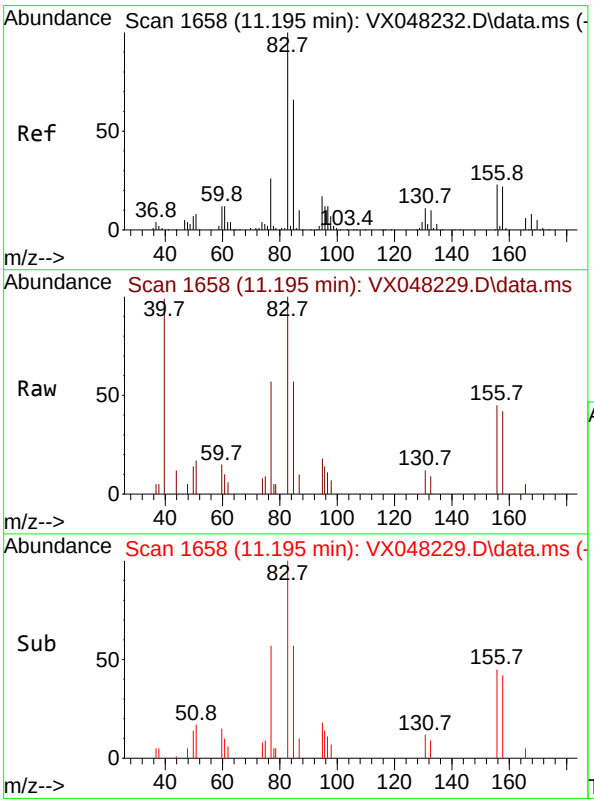
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 32.8 | 32.2 | 48.2 |
| 55 | 22.0 | 19.1 | 28.7 |
| 61 | 17.2 | 18.6 | 28.0# |




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

**Manual Integrations APPROVED**

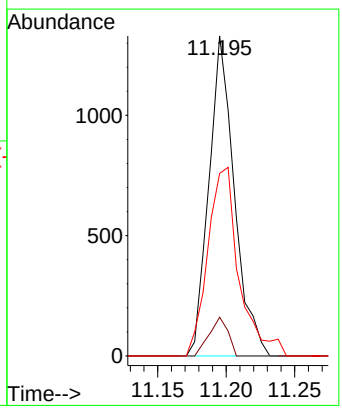
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

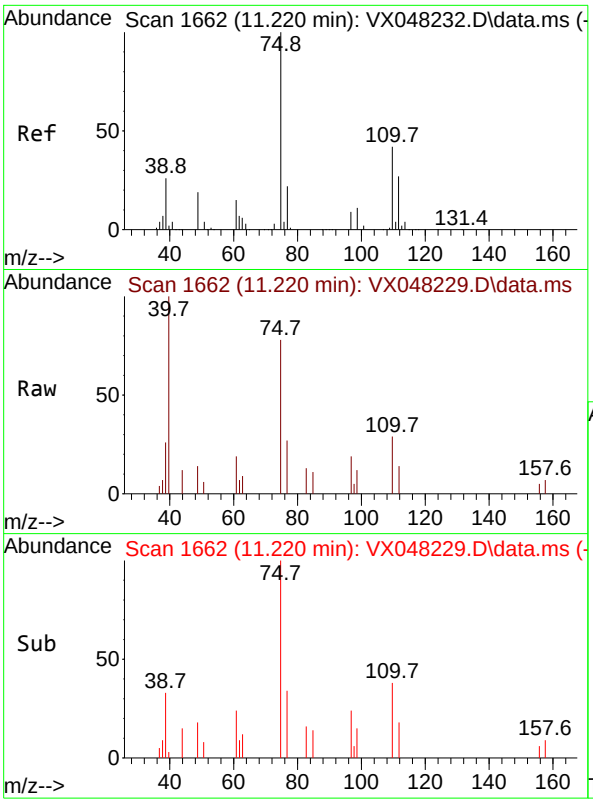



#75
1,1,2,2-Tetrachloroethane
Concen: 1.003 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 83 Resp: 1718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 8.9 | 4.8 | 14.4 |
| 85 | 72.1 | 31.9 | 95.7 |

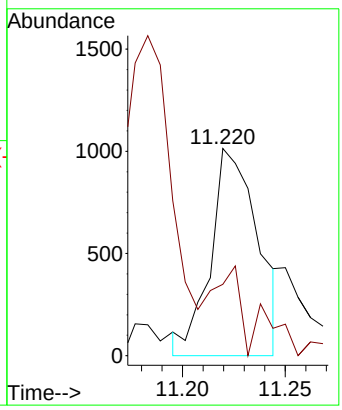





#76
1,2,3-Trichloropropane
Concen: 1.216 ug/l m
RT: 11.220 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 75 Resp: 161

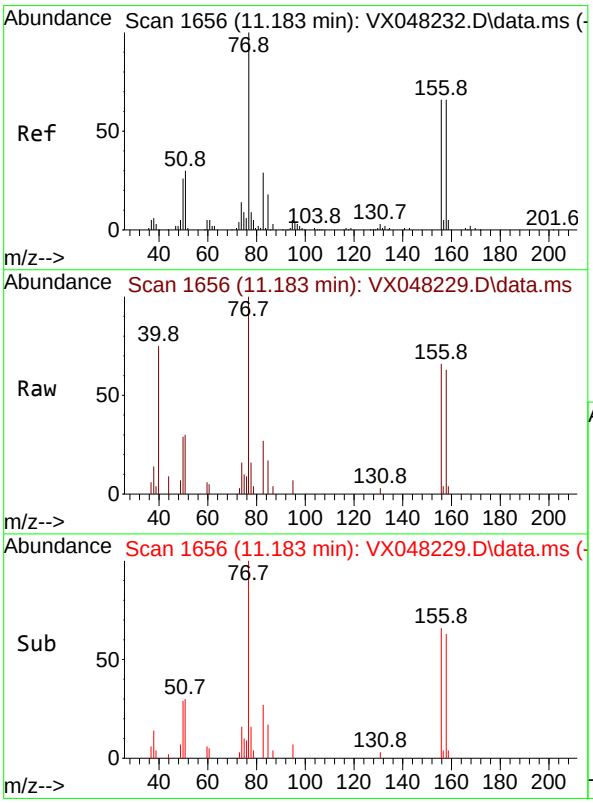
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.2 | 22.4 | 67.2 |




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

**Manual Integrations APPROVED**

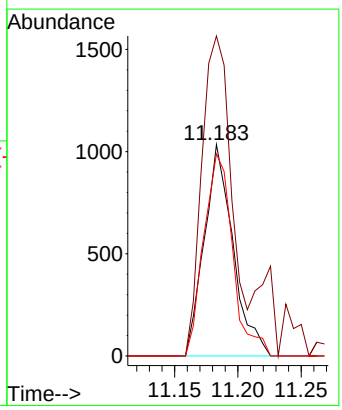
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

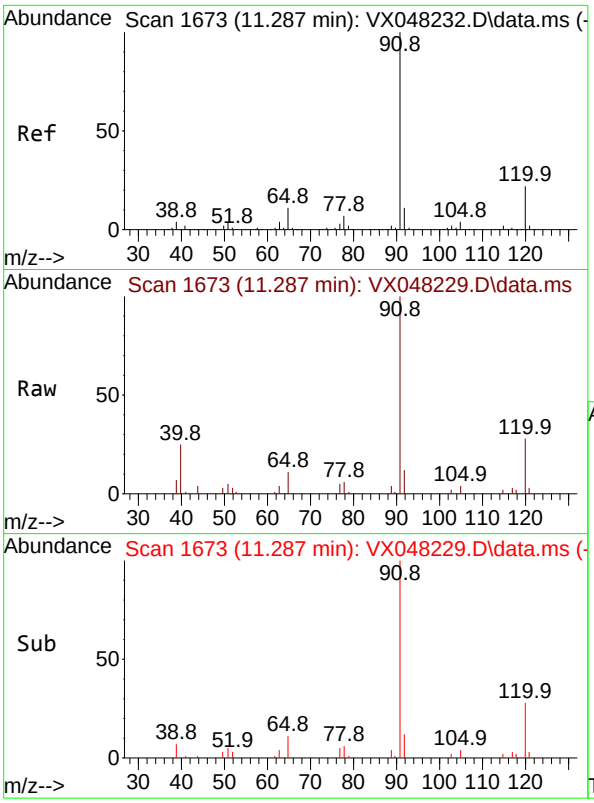



#77
Bromobenzene
Concen: 1.080 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:156 Resp: 1635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 155.2 | 87.0 | 261.0 |
| 158 | 96.4 | 47.8 | 143.4 |

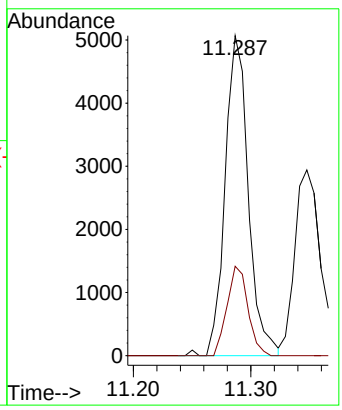





#78
n-propylbenzene
Concen: 0.949 ug/l
RT: 11.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 91 Resp: 695

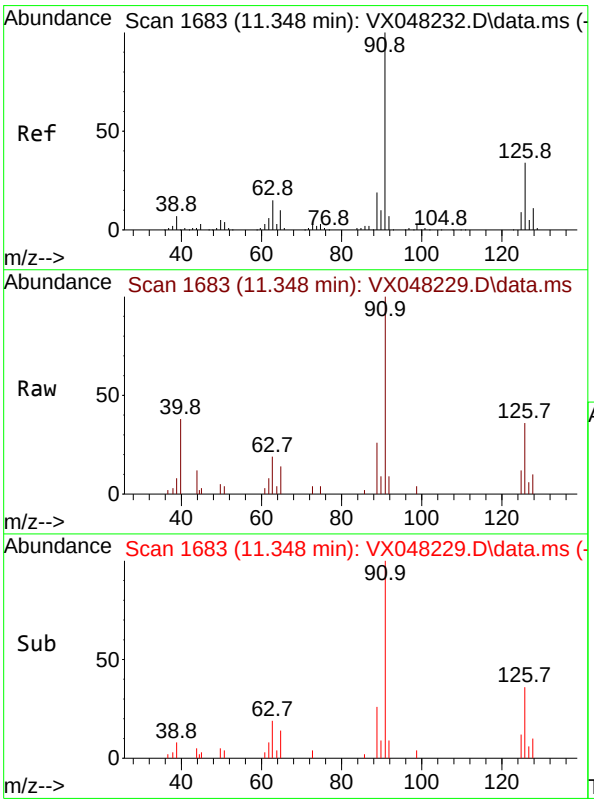
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 25.2 | 11.1 | 33.1 |




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

**Manual Integrations**
**APPROVED**

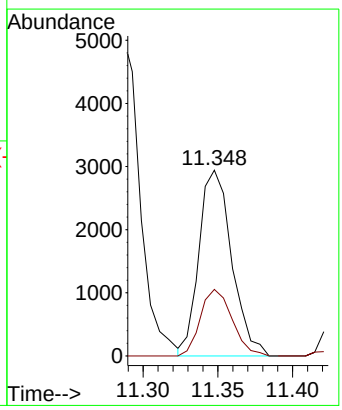
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

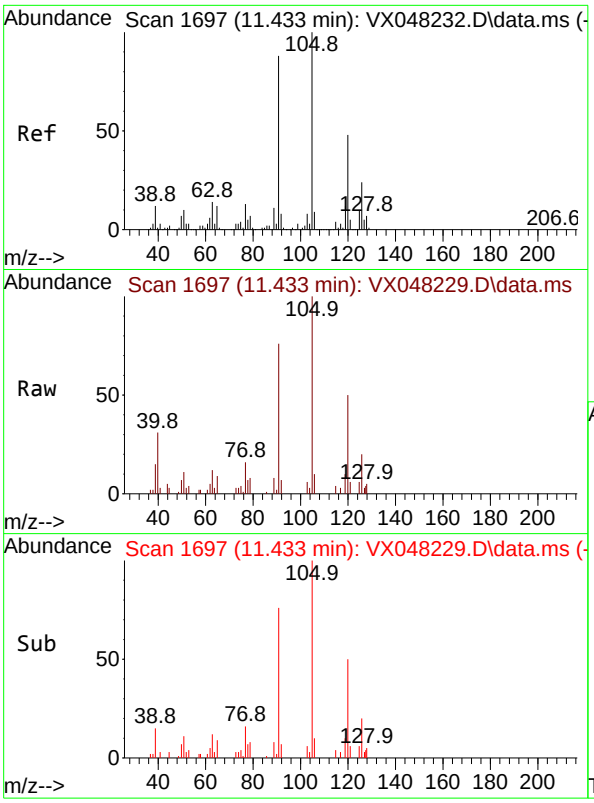



#79
2-Chlorotoluene
Concen: 1.010 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 91 Resp: 4477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.8 | 16.4 | 49.4 |

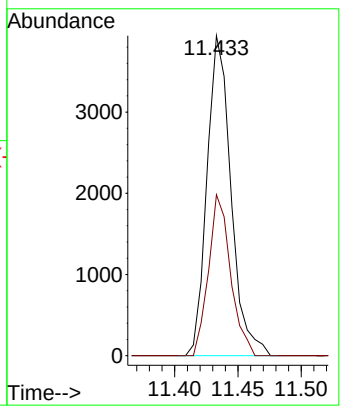





#80
1,3,5-Trimethylbenzene
Concen: 1.047 ug/l
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:105 Resp: 519

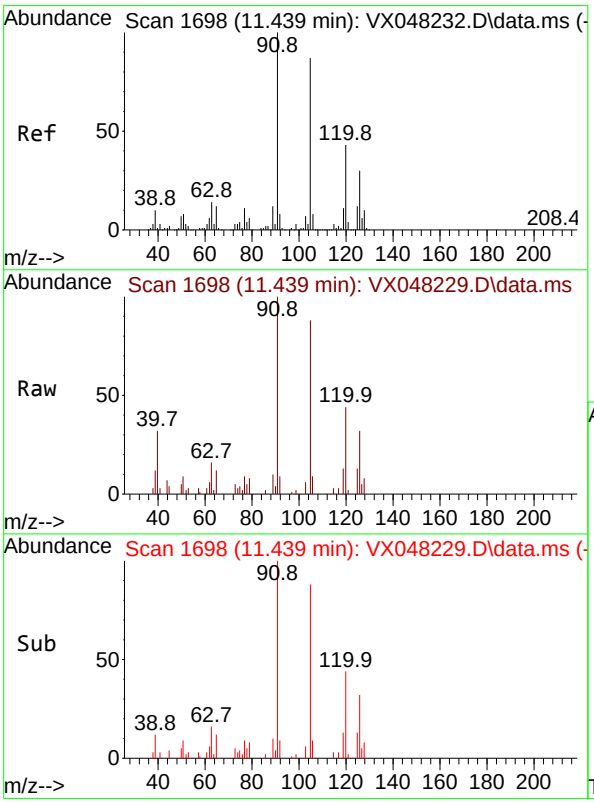
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.2 | 24.0 | 72.0 |




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

**Manual Integrations**
**APPROVED**

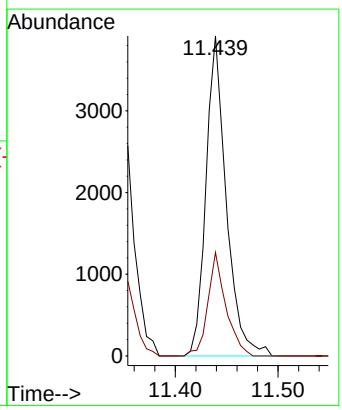
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

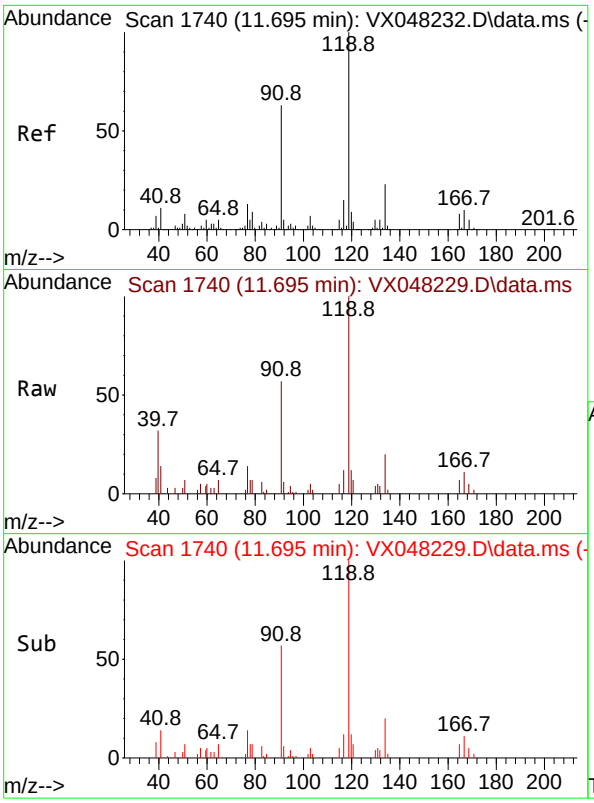



#82
4-Chlorotoluene
Concen: 1.034 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 91 Resp: 5385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.7 | 14.1 | 42.4 |

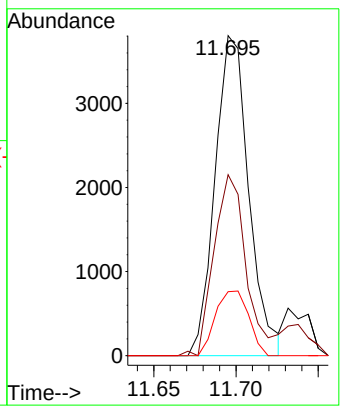





#83
tert-Butylbenzene
Concen: 1.085 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:119 Resp: 543

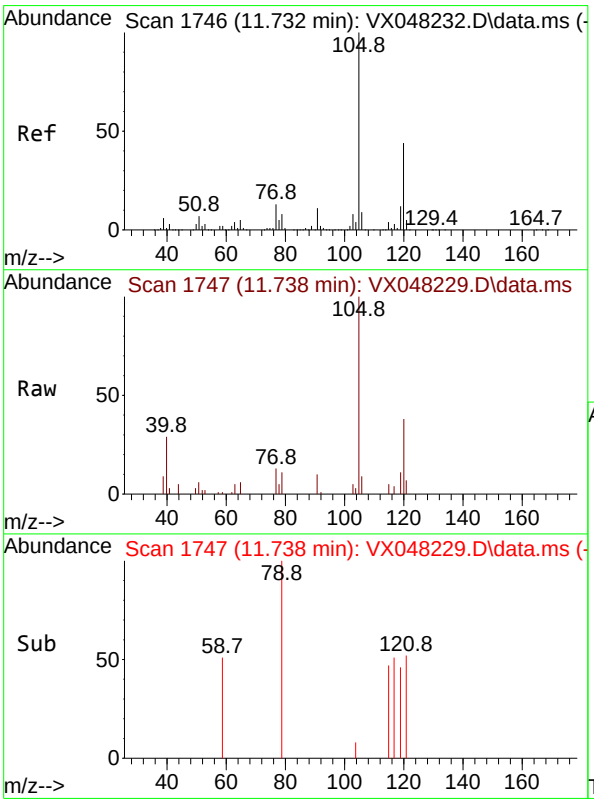
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 53.0 | 30.3 | 91.0 |
| 134 | 19.9 | 11.4 | 34.2 |




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

**Manual Integrations**
**APPROVED**

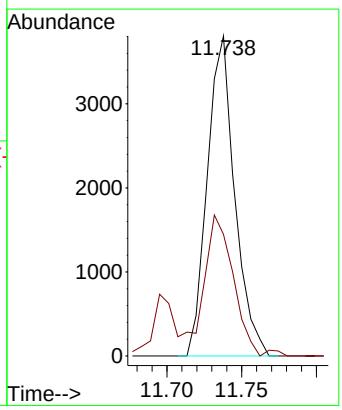
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

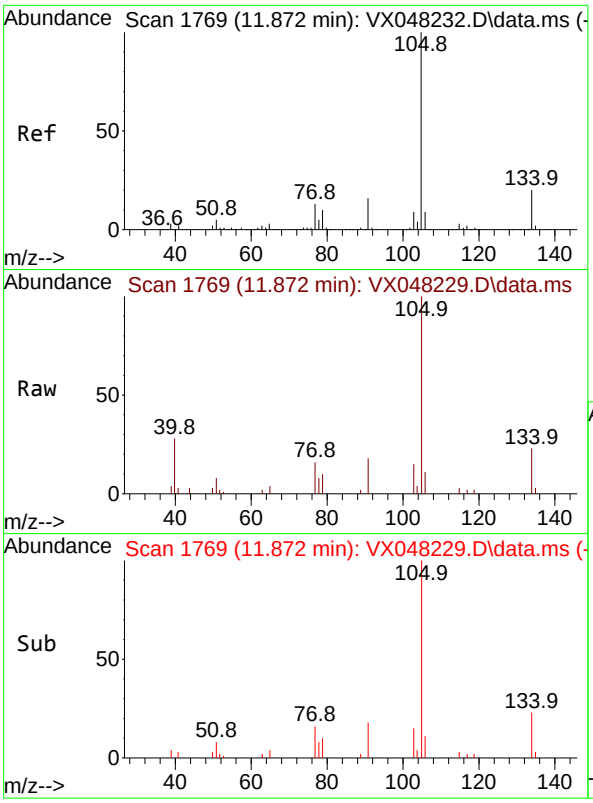



#84
1,2,4-Trimethylbenzene
Concen: 0.982 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:105 Resp: 4854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.9 | 22.1 | 66.5 |






#85
sec-Butylbenzene
Concen: 1.075 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

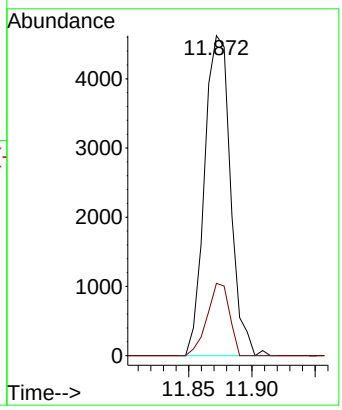
Tgt Ion:105 Resp: 658

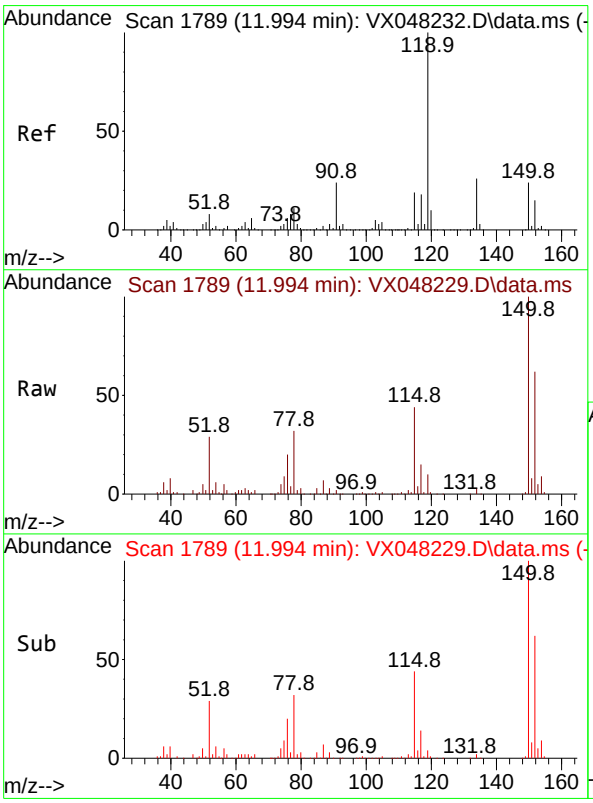
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 10.1 | 30.1 |

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

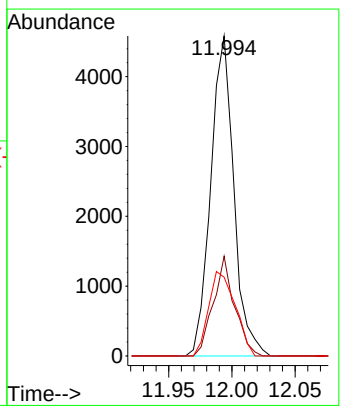


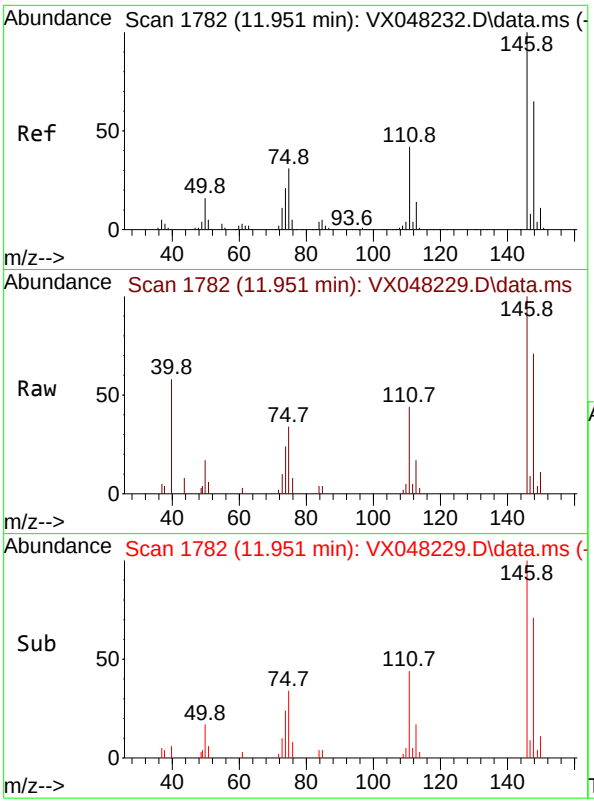




#86
p-Isopropyltoluene
Concen: 1.125 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:119 Resp: 5812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 28.8 | 13.0 | 39.0 |
| 91 | 30.5 | 12.1 | 36.3 |

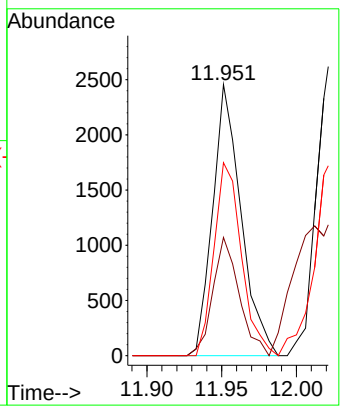





#87
1,3-Dichlorobenzene
Concen: 1.145 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:146 Resp: 323

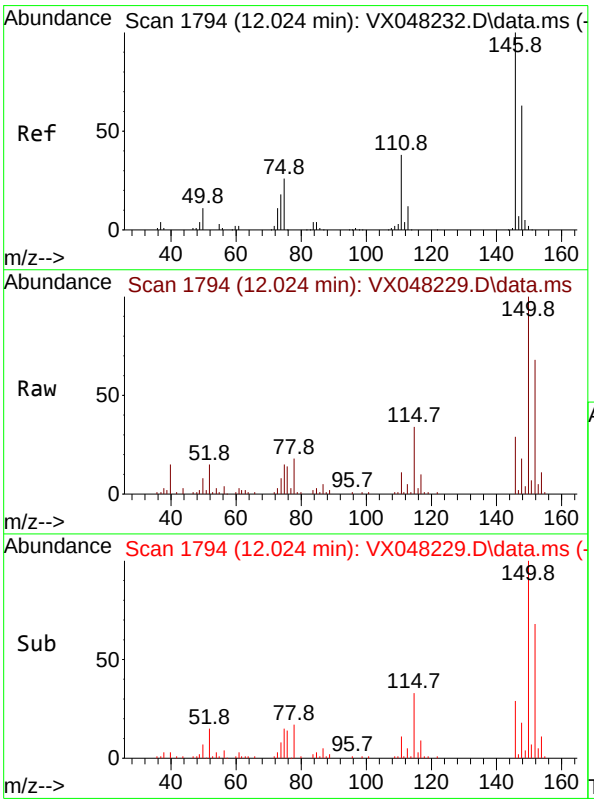
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 20.4 | 61.2 |
| 148 | 68.9 | 31.9 | 95.9 |




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

**Manual Integrations APPROVED**

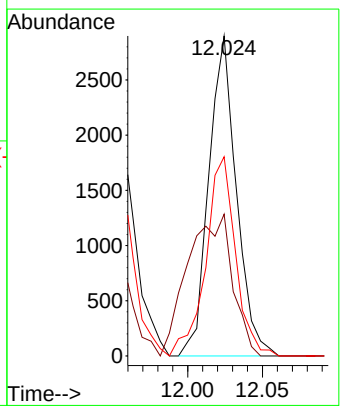
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

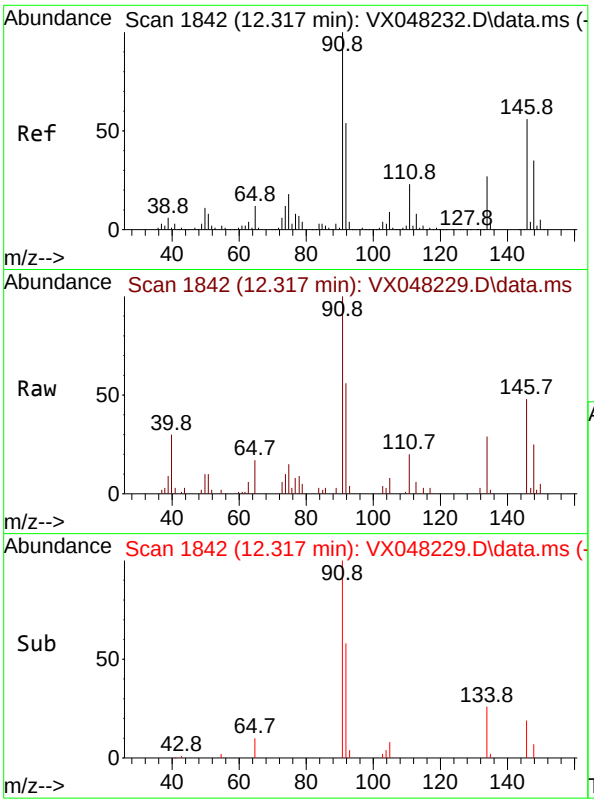



#88
1,4-Dichlorobenzene
Concen: 1.270 ug/l m
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:146 Resp: 3727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.2 | 20.1 | 60.2 |
| 148 | 59.9 | 31.8 | 95.3 |

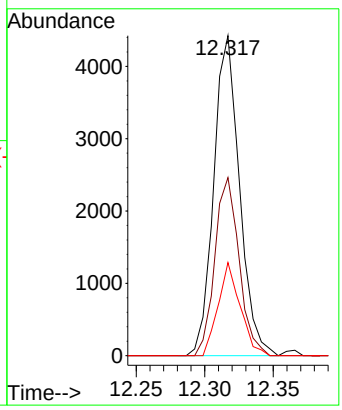





#89
n-Butylbenzene
Concen: 1.202 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 91 Resp: 578

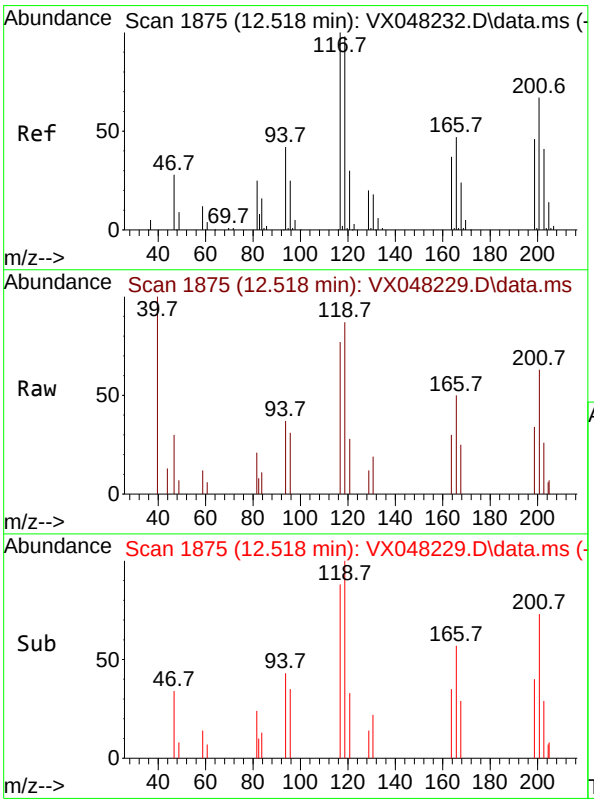
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.3 | 26.9 | 80.6 |
| 134 | 24.9 | 12.7 | 38.1 |




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

**Manual Integrations APPROVED**

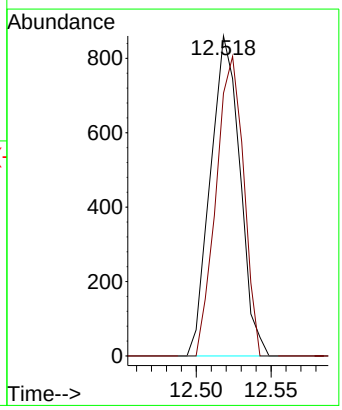
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

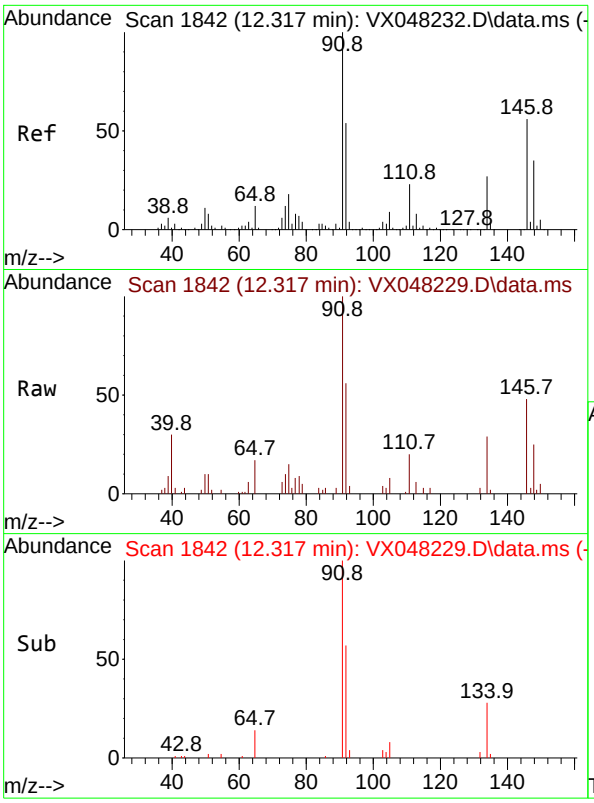



#90
Hexachloroethane
Concen: 1.084 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:117 Resp: 1182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 87.1 | 34.1 | 102.2 |

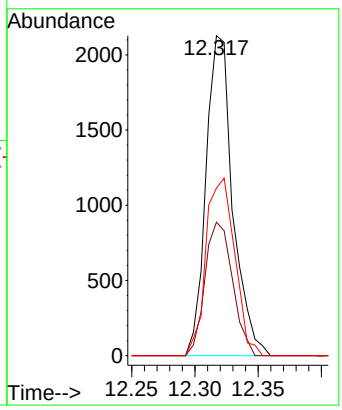





#91
1,2-Dichlorobenzene
Concen: 1.172 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:146 Resp: 313

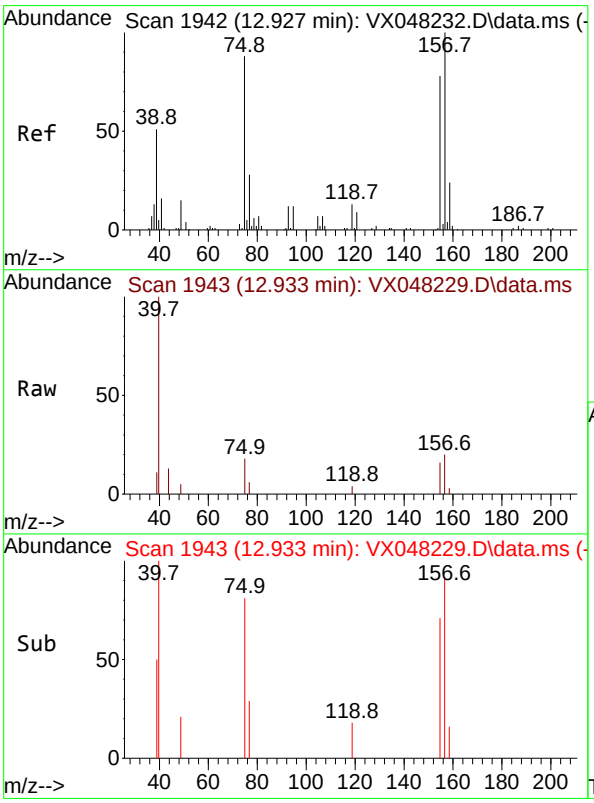
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.9 | 21.9 | 65.5 |
| 148 | 59.5 | 31.9 | 95.5 |




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

**Manual Integrations APPROVED**

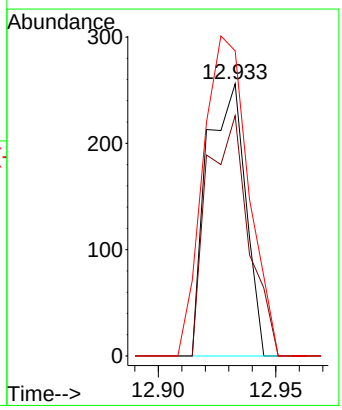
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

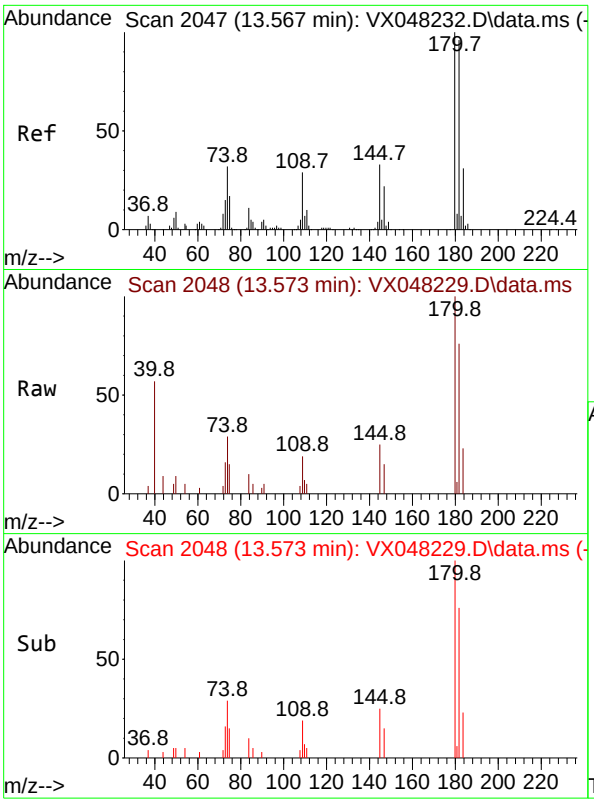



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.926 ug/l
RT: 12.933 min Scan# 1943
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 75 Resp: 290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 95.2 | 42.8 | 128.4 |
| 157 | 139.0 | 54.2 | 162.6 |

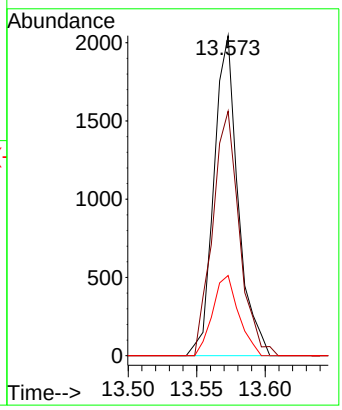





#93
1,2,4-Trichlorobenzene
Concen: 1.587 ug/l
RT: 13.573 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:180 Resp: 250

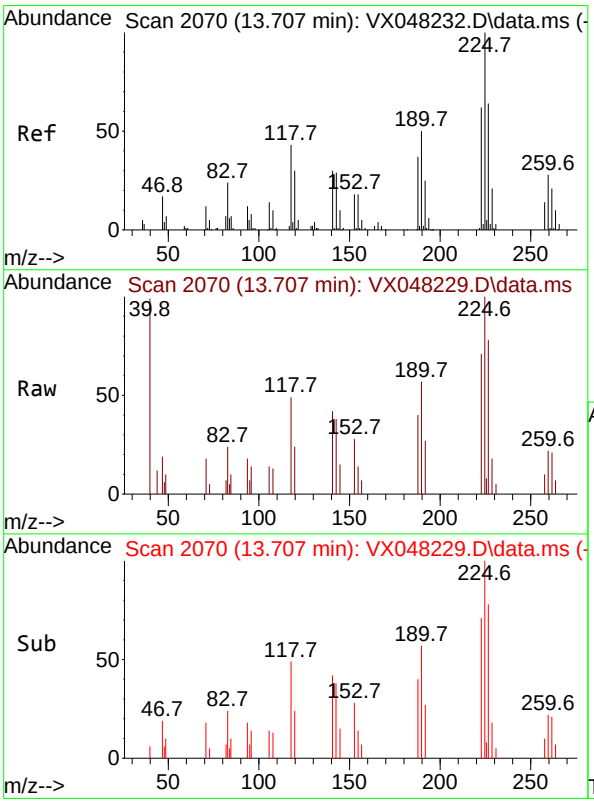
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 84.5 | 47.3 | 142.0 |
| 145 | 27.1 | 16.3 | 48.9 |




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

**Manual Integrations APPROVED**

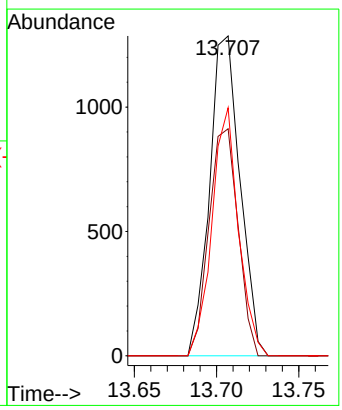
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

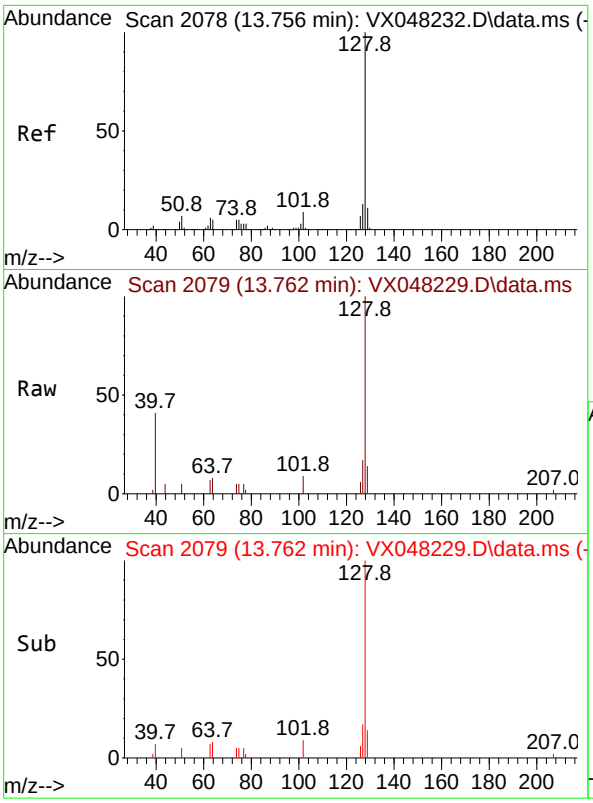



#94
Hexachlorobutadiene
Concen: 2.724 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:225 Resp: 1658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 67.8 | 32.6 | 97.7 |
| 227 | 67.7 | 32.5 | 97.4 |

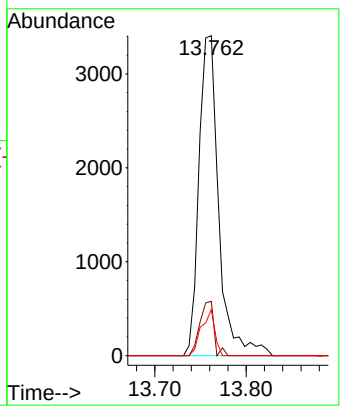





#95
Naphthalene
Concen: 1.230 ug/l
RT: 13.762 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:128 Resp: 511

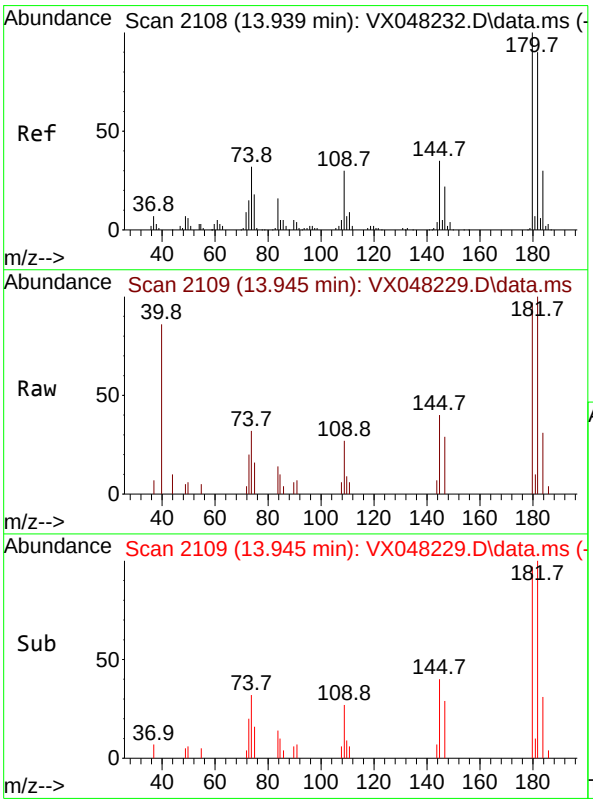
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.1 | 10.2 | 15.4 |
| 129 | 9.7 | 8.6 | 12.8 |




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

**Manual Integrations APPROVED**

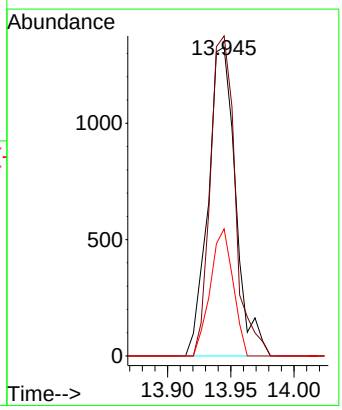
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 1.377 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:180 Resp: 2006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.5 | 46.6 | 139.7 |
| 145 | 34.1 | 16.9 | 50.7 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048231.D
Acq On : 20 Oct 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 20 12:37:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 119626 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 195028 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 178975 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 90972 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 33936 | 18.312 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = | 36.620%# | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 26897 | 19.872 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 39.740%# | | |
| 50) Toluene-d8 | 8.635 | 98 | 92476 | 18.965 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = | 37.920%# | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 34724 | 19.551 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = | 39.100%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 24524 | 19.532 | ug/l | 98 |
| 3) Chloromethane | 1.300 | 50 | 22401 | 14.727 | ug/l | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 20913 | 13.048 | ug/l | 94 |
| 5) Bromomethane | 1.617 | 94 | 15473 | 14.517 | ug/l | 100 |
| 6) Chloroethane | 1.697 | 64 | 13249 | 12.990 | ug/l | 93 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 41824 | 16.625 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 12293 | 14.325 | ug/l | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 25843 | 18.229 | ug/l | 96 |
| 10) Methyl Iodide | 2.459 | 142 | 30452 | 17.934 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.947 | 59 | 16521 | 134.353 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 26209 | 18.907 | ug/l | 92 |
| 13) Acrolein | 2.239 | 56 | 15157 | 58.651 | ug/l | 99 |
| 14) Allyl chloride | 2.666 | 41 | 43494 | 17.443 | ug/l | 98 |
| 15) Acrylonitrile | 3.056 | 53 | 63931 | 108.499 | ug/l | 97 |
| 16) Acetone | 2.373 | 43 | 59884 | 94.723 | ug/l | 96 |
| 17) Carbon Disulfide | 2.520 | 76 | 77142 | 18.087 | ug/l | 98 |
| 18) Methyl Acetate | 2.703 | 43 | 26374 | 20.482 | ug/l | 92 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 91349 | 21.877 | ug/l | 100 |
| 20) Methylene Chloride | 2.794 | 84 | 31157 | 20.231 | ug/l | 88 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 28001 | 19.525 | ug/l | 94 |
| 22) Diisopropyl ether | 3.751 | 45 | 90030 | 18.439 | ug/l | 87 |
| 23) Vinyl Acetate | 3.715 | 43 | 364009 | 99.706 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 51927 | 18.746 | ug/l | 98 |
| 25) 2-Butanone | 4.544 | 43 | 78643 | 106.774 | ug/l | 95 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 46568 | 19.669 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 33508 | 19.688 | ug/l | 98 |
| 28) Bromochloromethane | 4.891 | 49 | 19339 | 15.146 | ug/l | 90 |
| 29) Tetrahydrofuran | 4.995 | 42 | 47457 | 109.718 | ug/l | 94 |
| 30) Chloroform | 5.080 | 83 | 57780 | 19.813 | ug/l | 99 |
| 31) Cyclohexane | 5.464 | 56 | 42796 | 18.882 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 51929 | 21.672 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 38270 | 20.071 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 30904 | 20.280 | ug/l # | 95 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 46323 | 21.166 | ug/l | 98 |
| 39) Methylcyclohexane | 7.366 | 83 | 42776 | 19.897 | ug/l | 94 |
| 40) Benzene | 6.025 | 78 | 115488 | 20.398 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048231.D
Acq On : 20 Oct 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 20 12:37:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 18461 | 22.621 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 44176 | 21.778 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.324 | 43 | 55317 | 21.625 | ug/l | | 96 |
| 44) Trichloroethene | 7.110 | 130 | 29108 | 20.399 | ug/l | | 90 |
| 45) 1,2-Dichloropropane | 7.421 | 63 | 28242 | 19.709 | ug/l | | 97 |
| 46) Dibromomethane | 7.568 | 93 | 21605 | 20.955 | ug/l | | 92 |
| 47) Bromodichloromethane | 7.805 | 83 | 46221 | 20.743 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.677 | 41 | 27751 | 21.193 | ug/l | | 94 |
| 49) 1,4-Dioxane | 7.647 | 88 | 7620 | 646.470 | ug/l | | 91 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 164708 | 115.713 | ug/l | | 94 |
| 52) Toluene | 8.702 | 92 | 73623 | 21.635 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 45416 | 21.756 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 47130 | 20.713 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 27884 | 21.961 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 41809 | 24.210 | ug/l | | 93 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 47896 | 21.591 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 104883 | 118.278 | ug/l | | 96 |
| 59) 2-Hexanone | 9.415 | 43 | 116268 | 116.777 | ug/l | | 95 |
| 60) Dibromochloromethane | 9.506 | 129 | 37127 | 23.361 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.598 | 107 | 30639 | 23.533 | ug/l | | 96 |
| 64) Tetrachloroethene | 9.256 | 164 | 27043 | 21.550 | ug/l | | 89 |
| 65) Chlorobenzene | 10.061 | 112 | 83004 | 21.211 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 30278 | 21.471 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 139895 | 20.852 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 107377 | 42.962 | ug/l | | 100 |
| 69) o-Xylene | 10.622 | 106 | 50950 | 21.655 | ug/l | | 98 |
| 70) Styrene | 10.640 | 104 | 88481 | 21.848 | ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 25027 | 24.168 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 133034 | 21.025 | ug/l | | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 48726 | 20.642 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 38748 | 21.616 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 29913m | 21.533 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 33843 | 21.374 | ug/l | | 95 |
| 78) n-propylbenzene | 11.286 | 91 | 154839 | 20.180 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 95156 | 20.526 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 112057 | 21.575 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 12001 | 21.154 | ug/l | | 94 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 113495 | 20.833 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.695 | 119 | 112305 | 21.403 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 111976 | 21.652 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 134014 | 20.891 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 114969 | 21.263 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 63377 | 21.403 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 65612 | 21.375 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 102140 | 20.281 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 22609 | 19.811 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 59345 | 21.212 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 7983 | 24.372 | ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 35465 | 21.473 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 14529 | 22.810 | ug/l | | 98 |
| 95) Naphthalene | 13.756 | 128 | 104803 | 24.073 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.945 | 180 | 34276 | 22.493 | ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048231.D
Acq On : 20 Oct 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:37:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

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

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

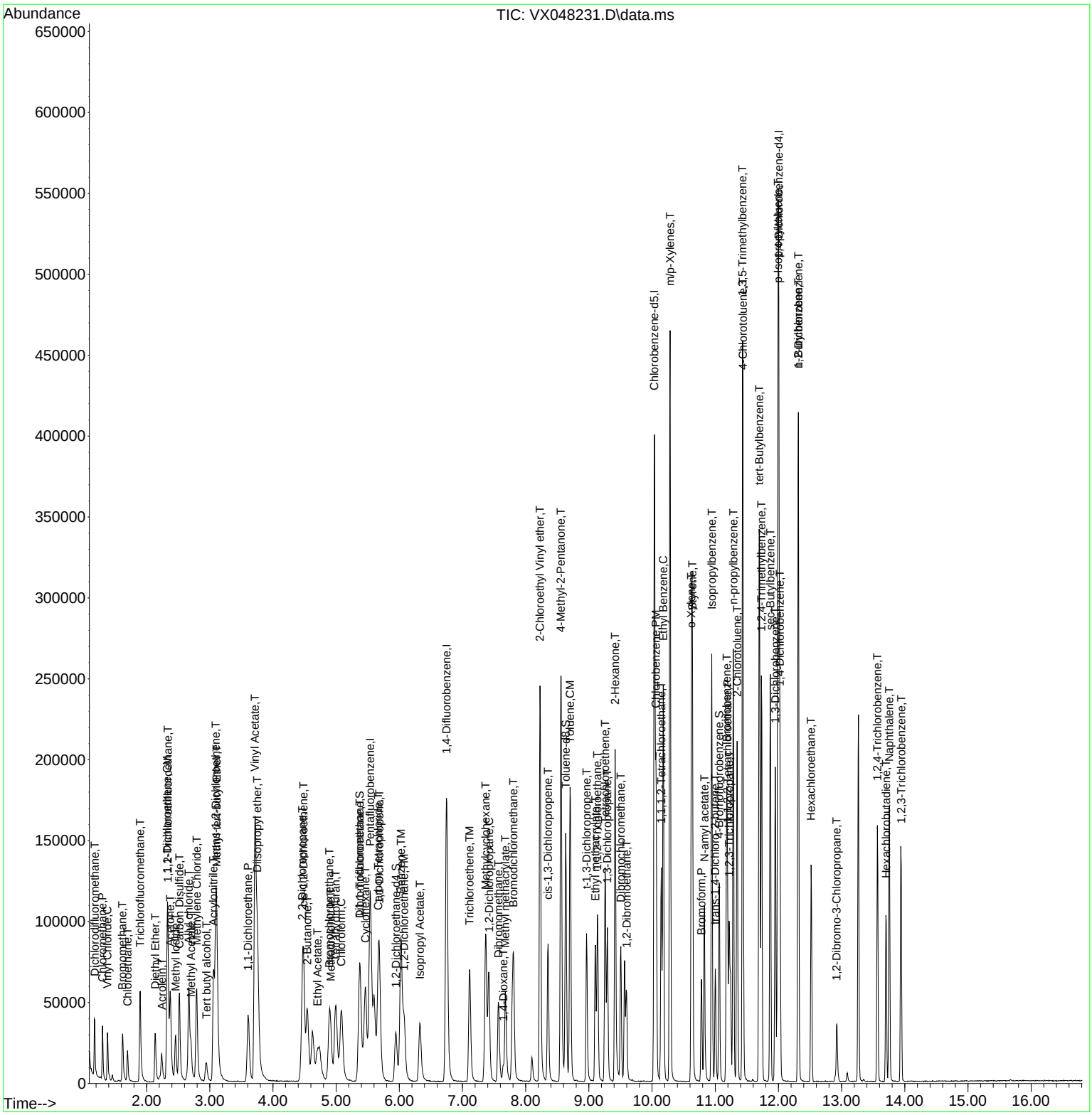
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048231.D
Acq On : 20 Oct 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

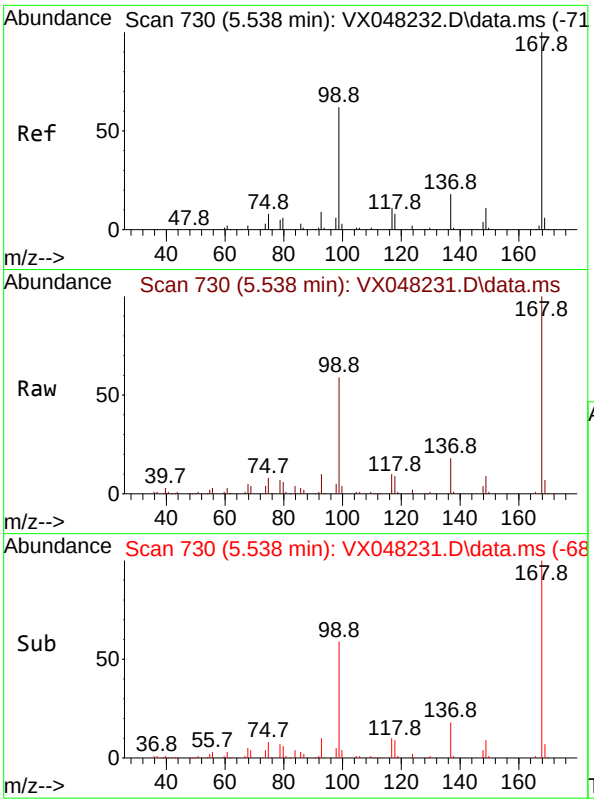
Quant Time: Oct 20 12:37:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

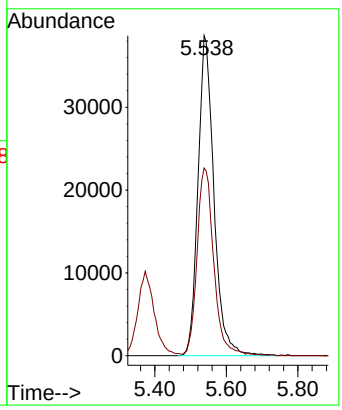





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:168 Resp: 11962

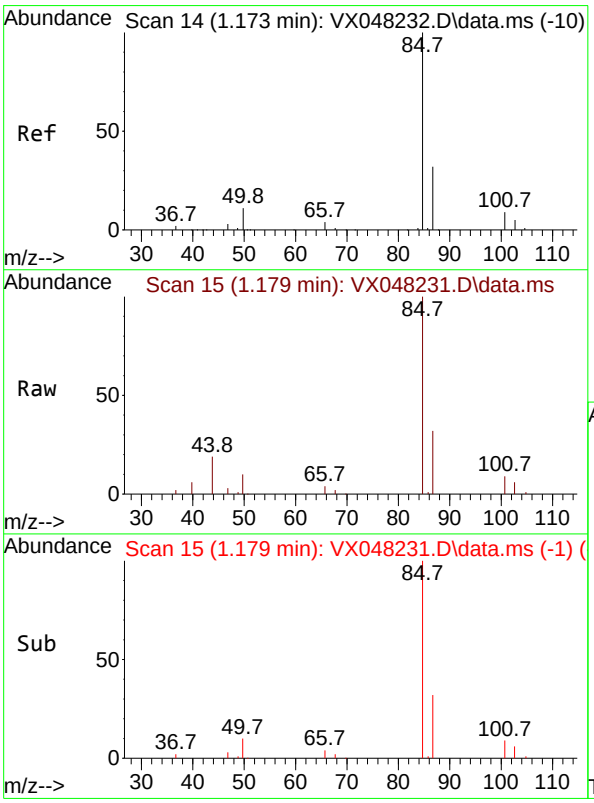
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.7 | 46.4 | 69.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

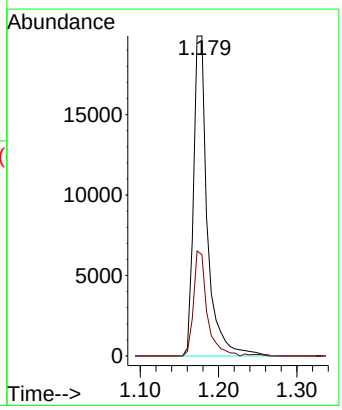
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

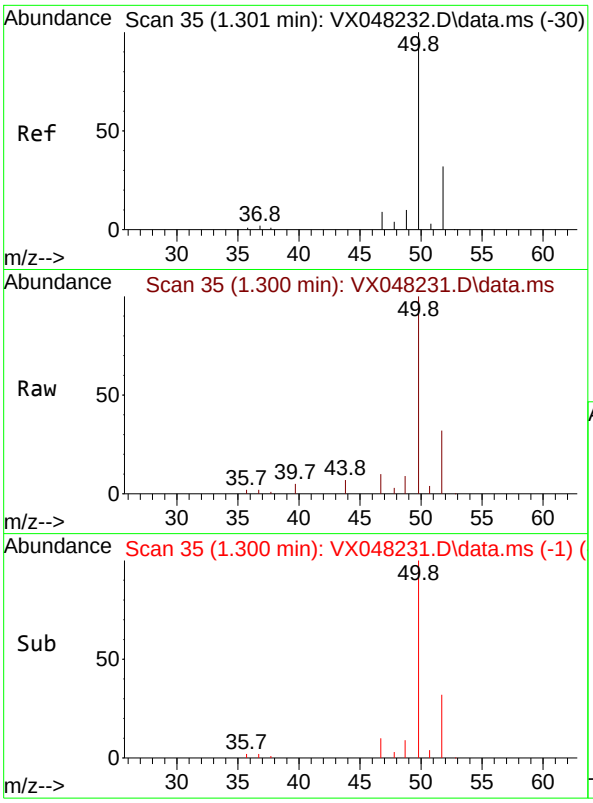



#2
Dichlorodifluoromethane
Concen: 19.532 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 85 Resp: 24524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 15.3 | 45.9 |

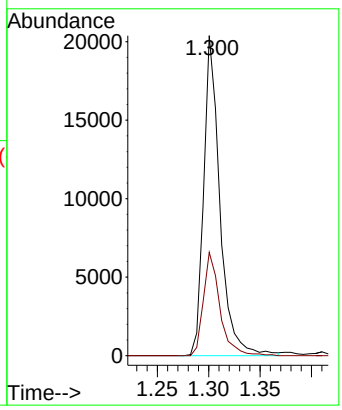





#3
Chloromethane
Concen: 14.727 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 50 Resp: 2240

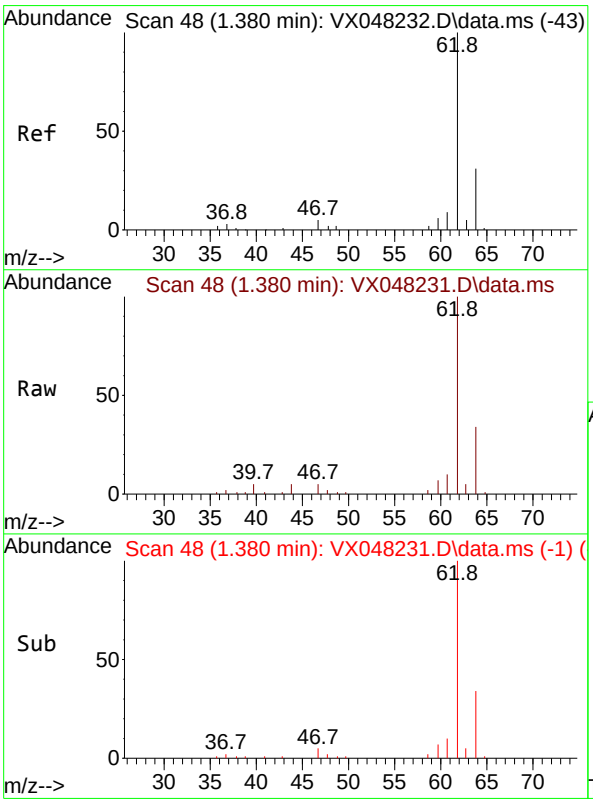
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

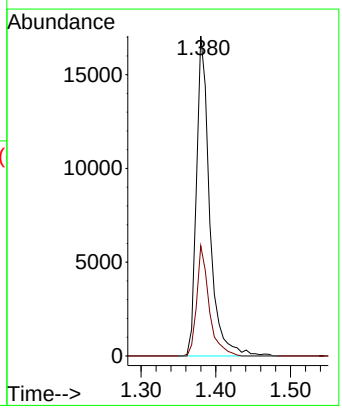
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

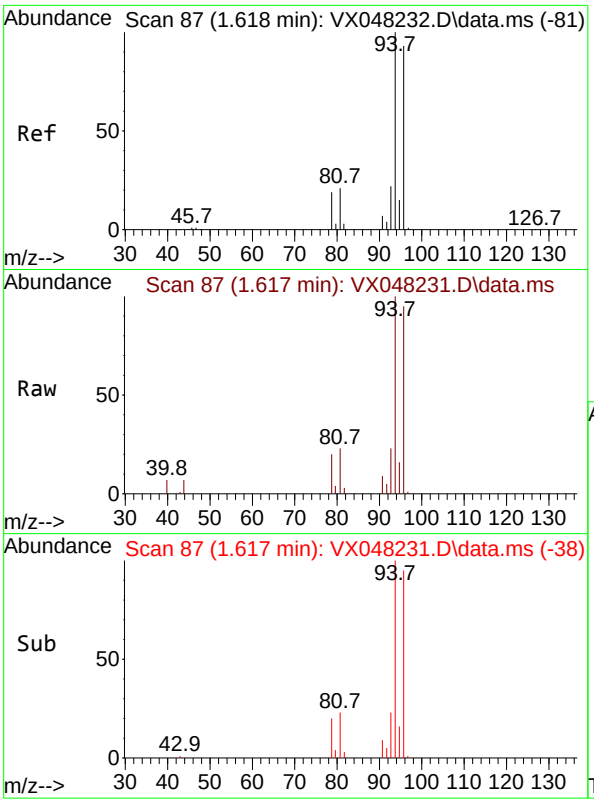



#4
Vinyl Chloride
Concen: 13.048 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 62 Resp: 20913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 34.5 | 25.1 | 37.7 |

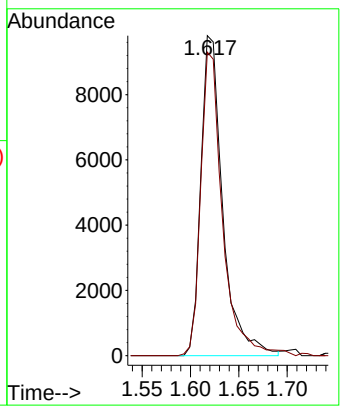





#5
Bromomethane
Concen: 14.517 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 94 Resp: 1547

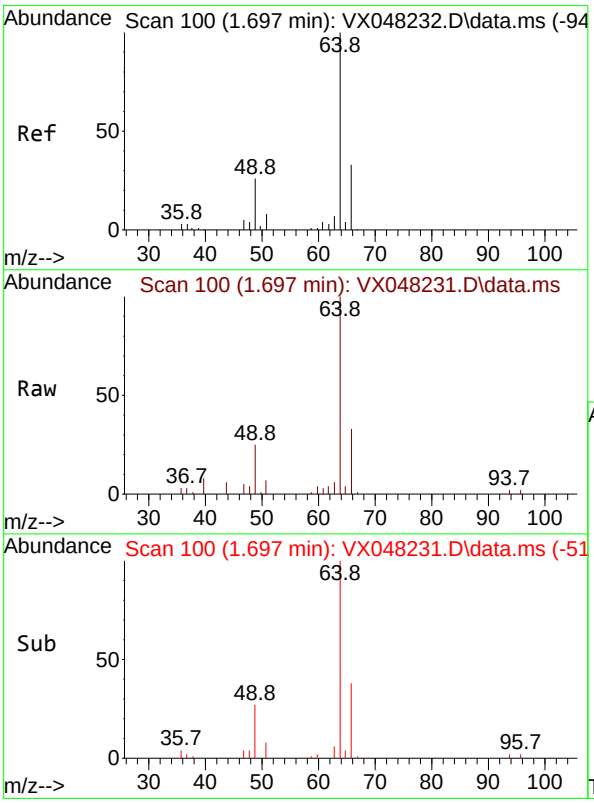
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.8 | 76.0 | 114.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

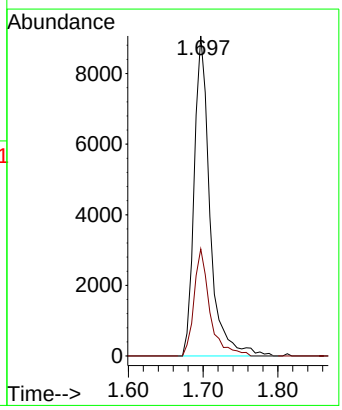
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

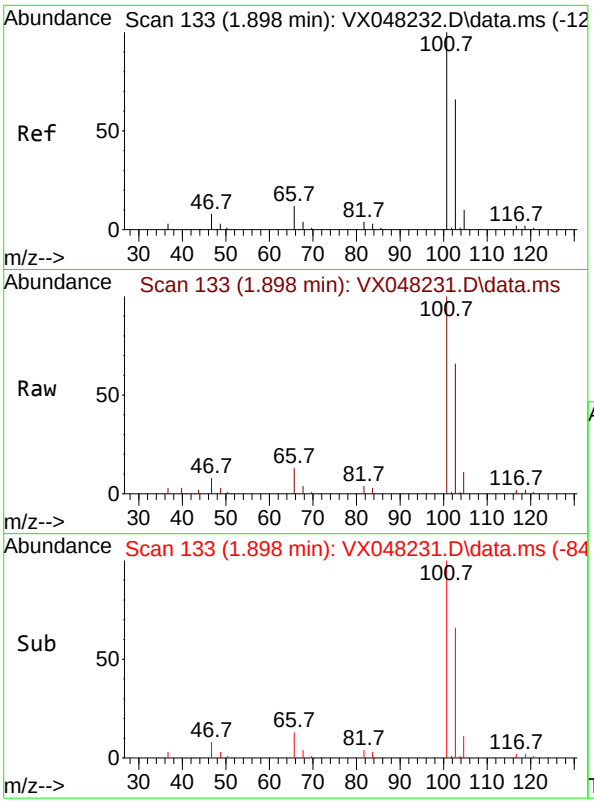



#6
Chloroethane
Concen: 12.990 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 64 Resp: 13249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.4 | 23.9 | 35.9 |

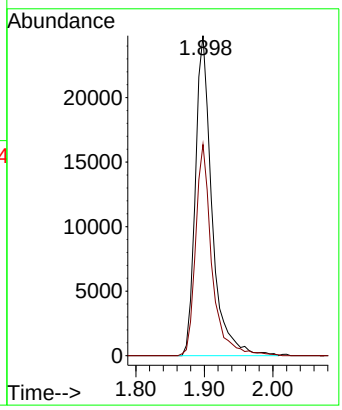





#7
Trichlorofluoromethane
Concen: 16.625 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:101 Resp: 4182

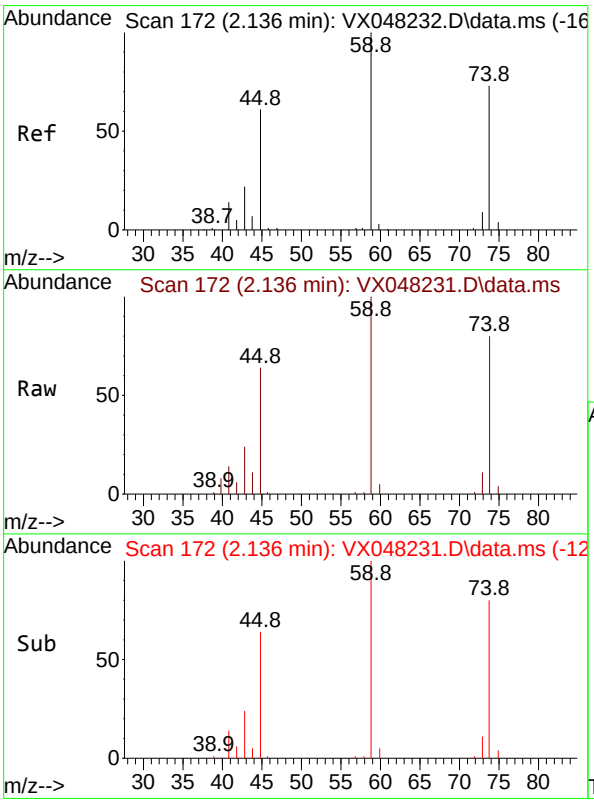
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.0 | 51.6 | 77.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

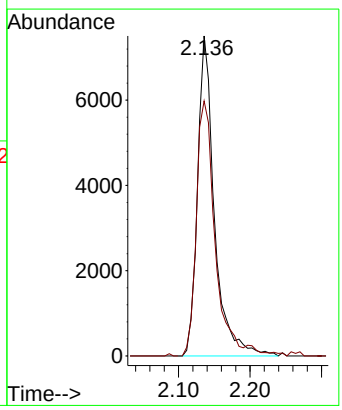
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

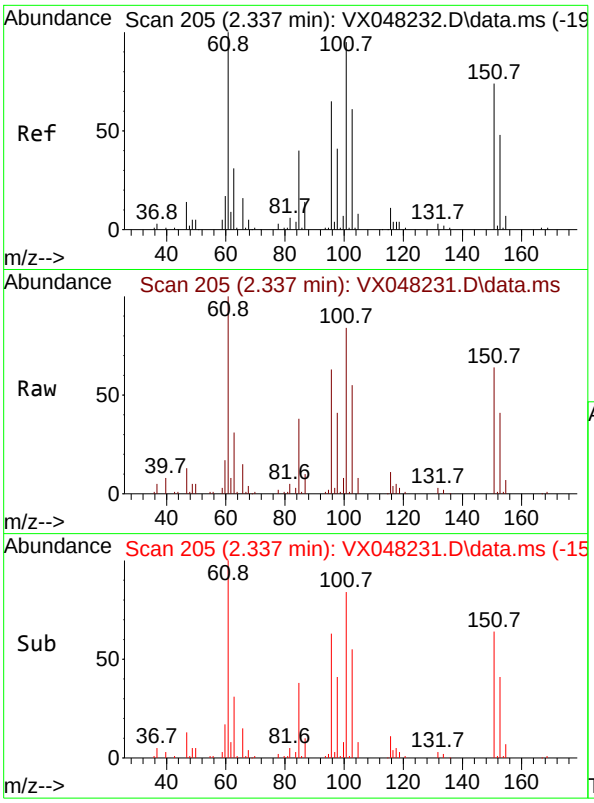



#8
Diethyl Ether
Concen: 14.325 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 74 Resp: 12293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 86.6 | 50.0 | 149.8 |

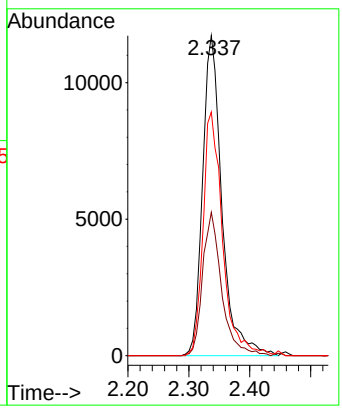





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.229 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:101 Resp: 2584

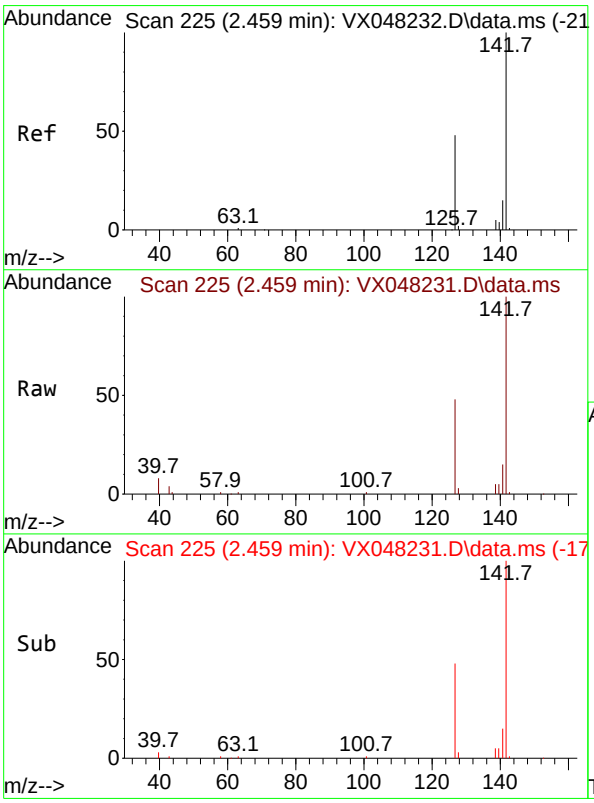
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.1 | 35.6 | 53.4 |
| 151 | 76.9 | 58.0 | 87.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

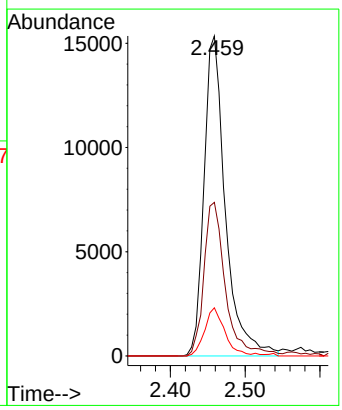
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

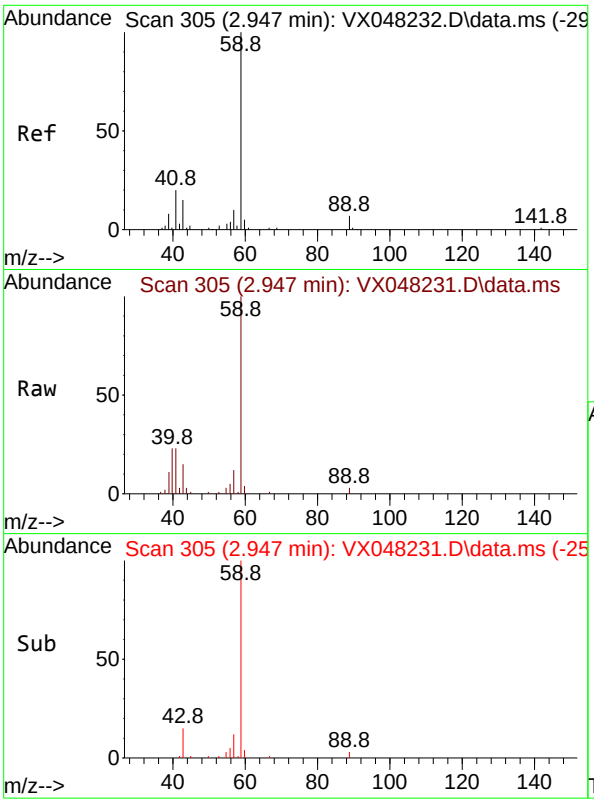



#10
Methyl Iodide
Concen: 17.934 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:142 Resp: 30452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.4 | 38.5 | 57.7 |
| 141 | 14.2 | 11.6 | 17.4 |

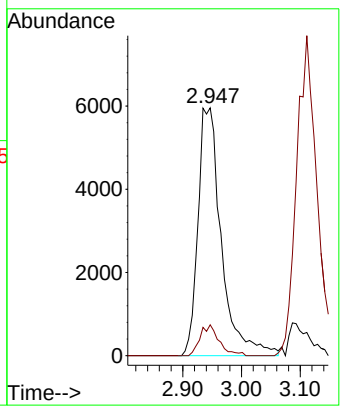





#11
Tert butyl alcohol
Concen: 134.353 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 59 Resp: 1652

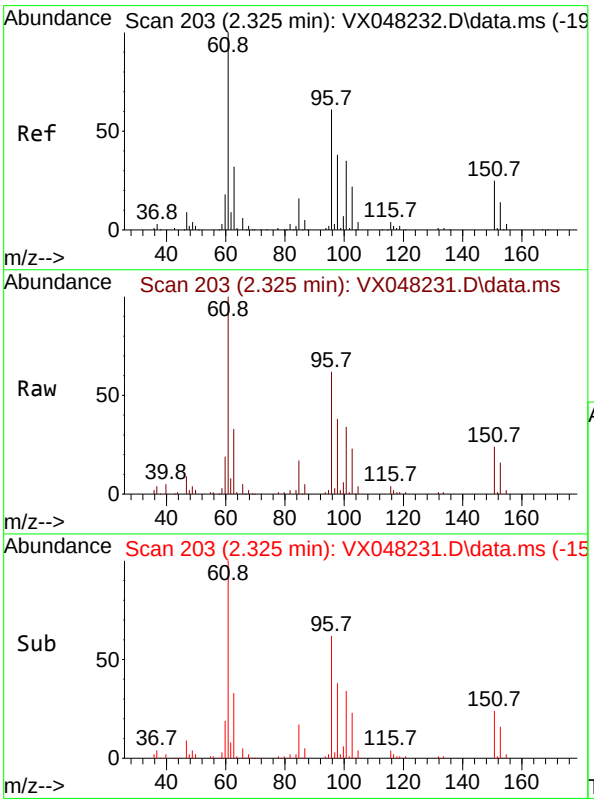
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.1 | 8.2 | 12.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

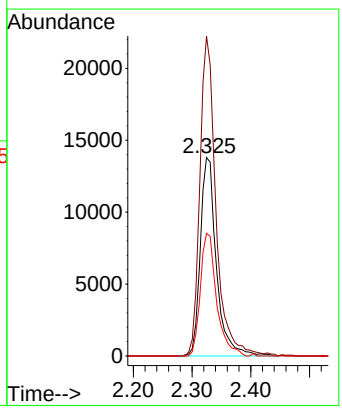
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

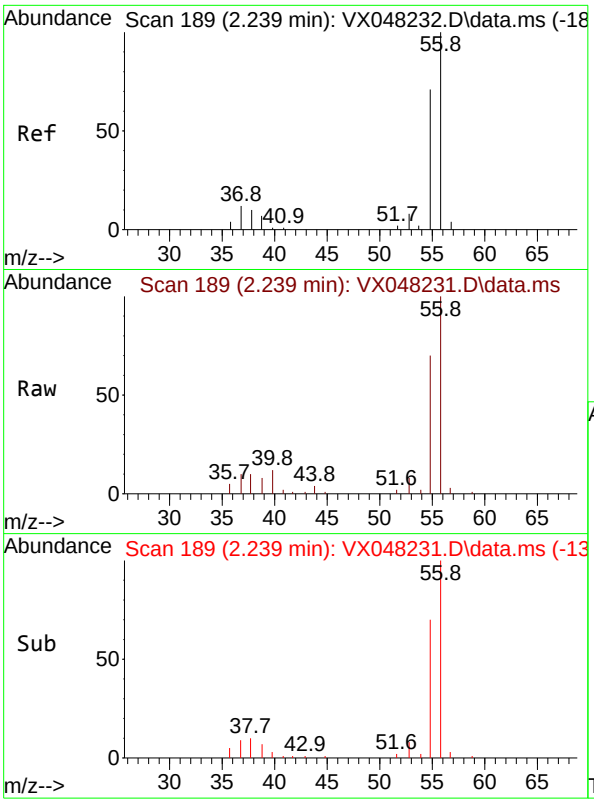



#12
1,1-Dichloroethene
Concen: 18.907 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 96 Resp: 26209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.3 | 139.0 | 208.6 |
| 98 | 61.7 | 52.4 | 78.6 |

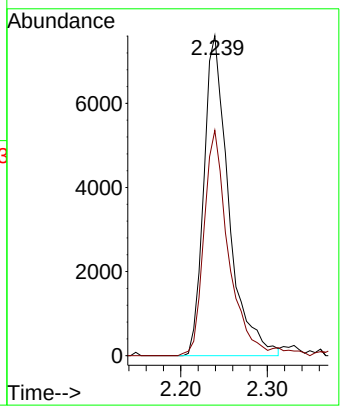





#13
Acrolein
Concen: 58.651 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 56 Resp: 1515

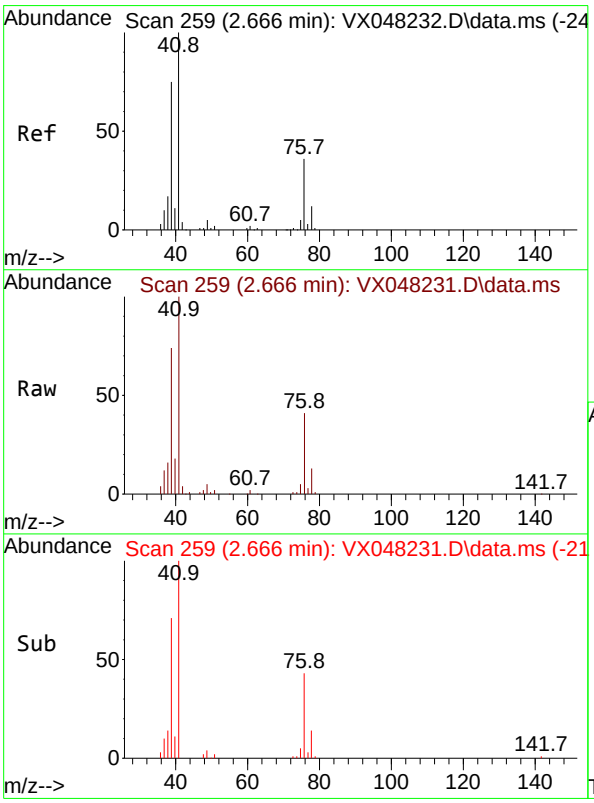
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.8 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

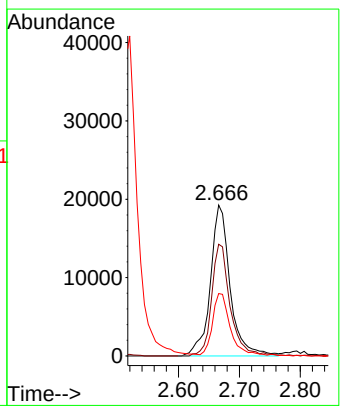
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

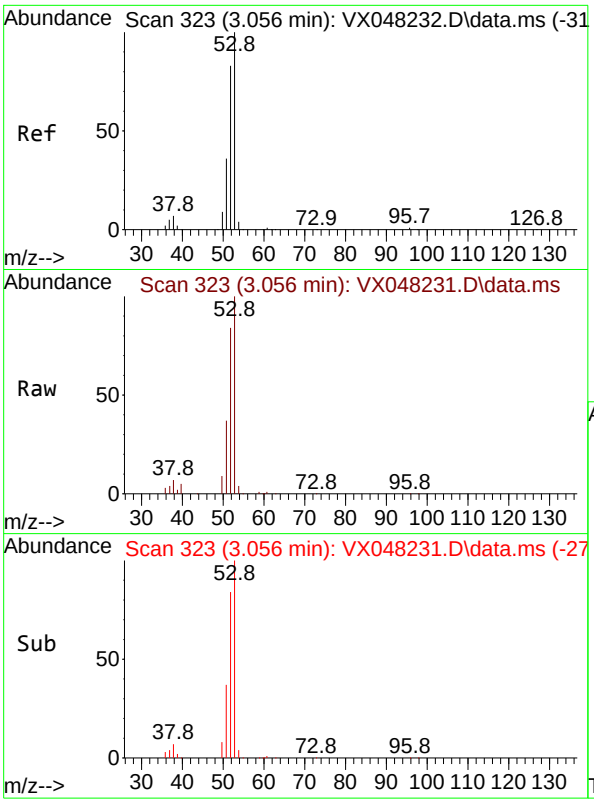



#14
Allyl chloride
Concen: 17.443 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 41 Resp: 43494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 69.2 | 56.0 | 84.0 |
| 76 | 36.0 | 27.5 | 41.3 |

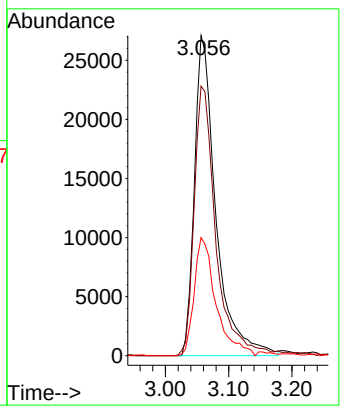





#15
Acrylonitrile
Concen: 108.499 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 53 Resp: 6393

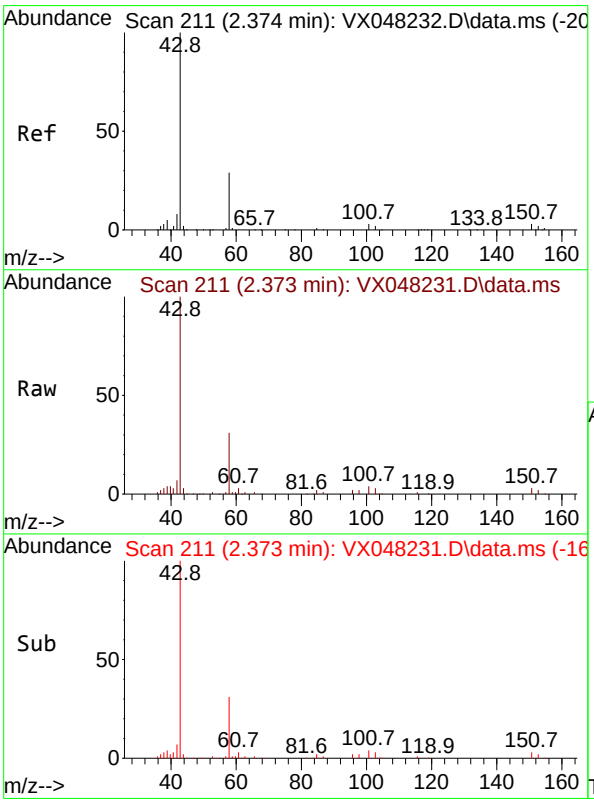
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 86.2 | 66.1 | 99.1 |
| 51 | 37.4 | 29.0 | 43.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

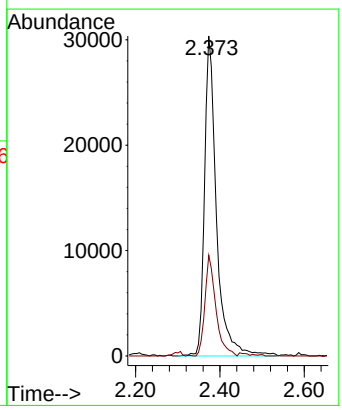
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

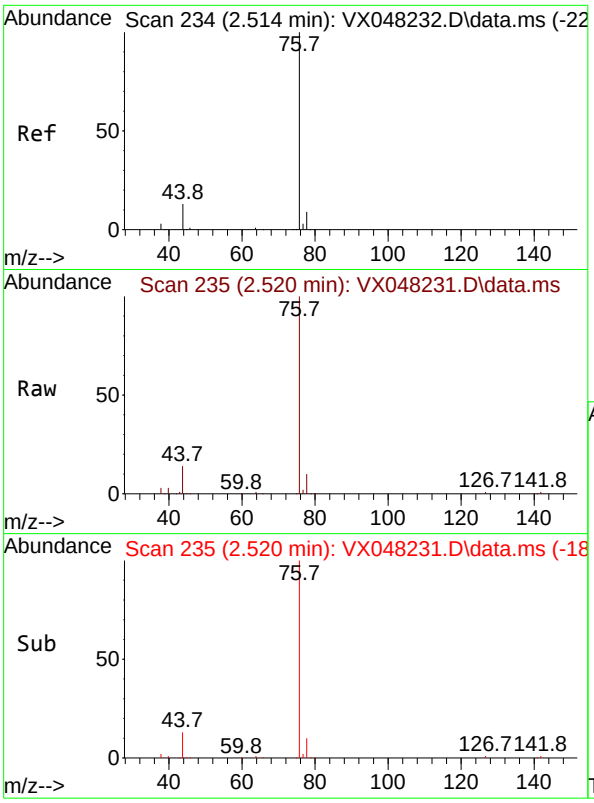



#16
Acetone
Concen: 94.723 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 59884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.3 | 23.4 | 35.2 |

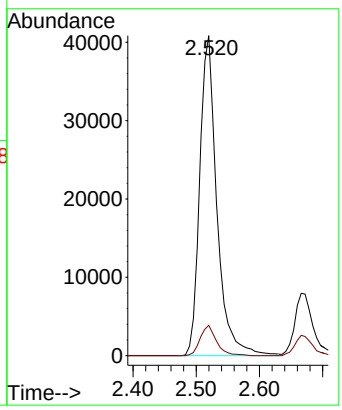





#17
Carbon Disulfide
Concen: 18.087 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 76 Resp: 7714

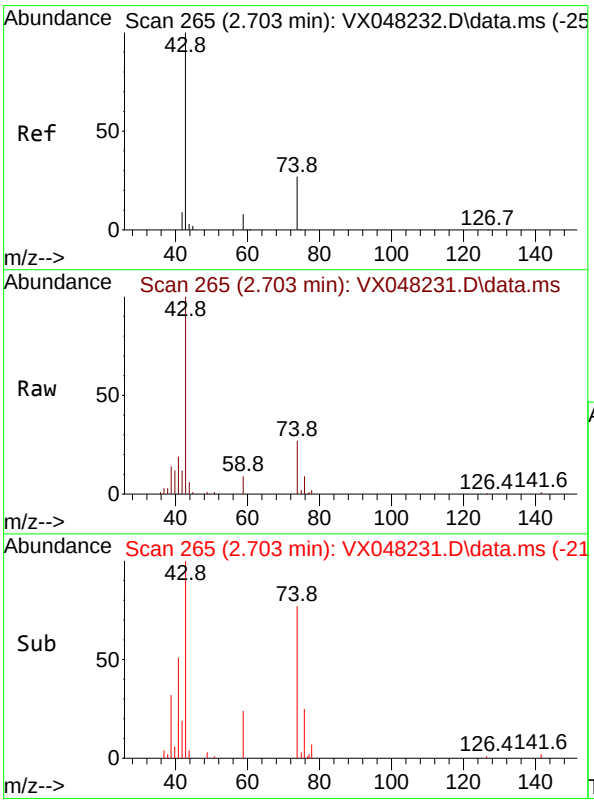
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.1 | 10.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

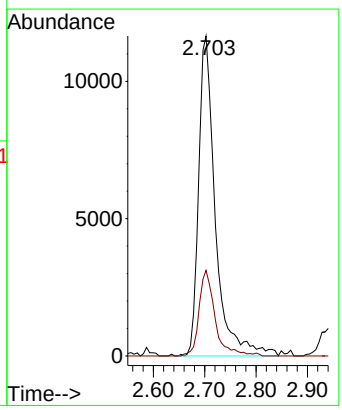
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

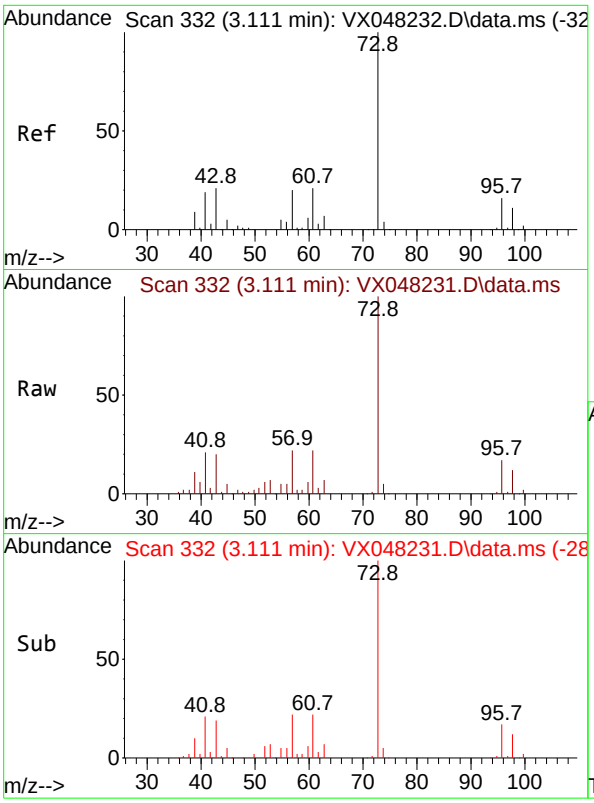



#18
Methyl Acetate
Concen: 20.482 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 26374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.7 | 17.5 | 26.3 |

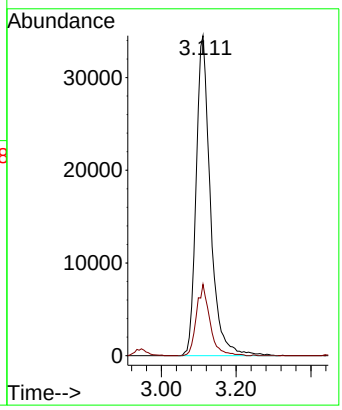





#19
Methyl tert-butyl Ether
Concen: 21.877 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 73 Resp: 9134

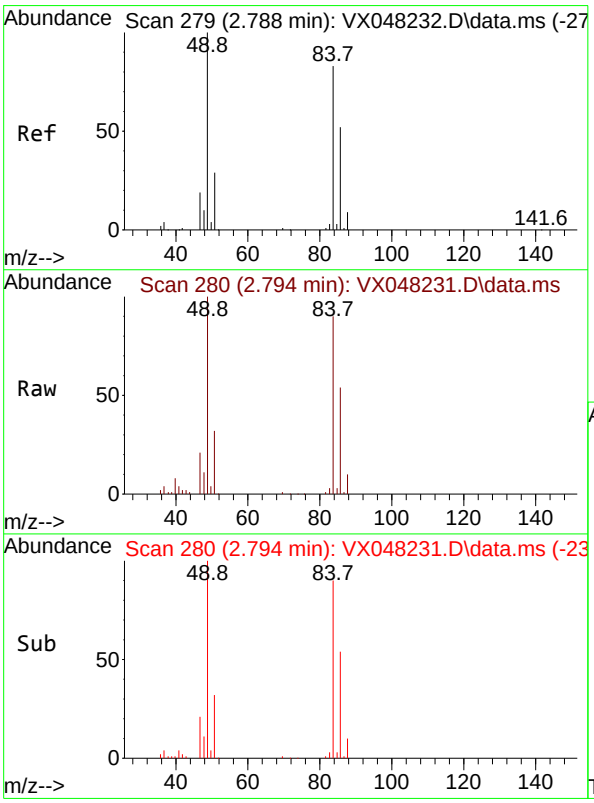
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.3 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

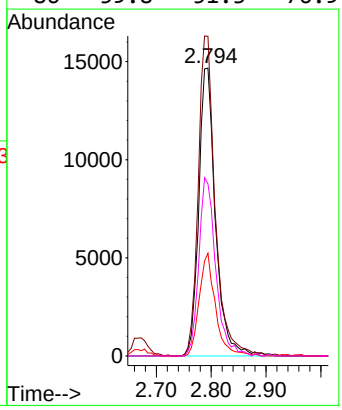
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

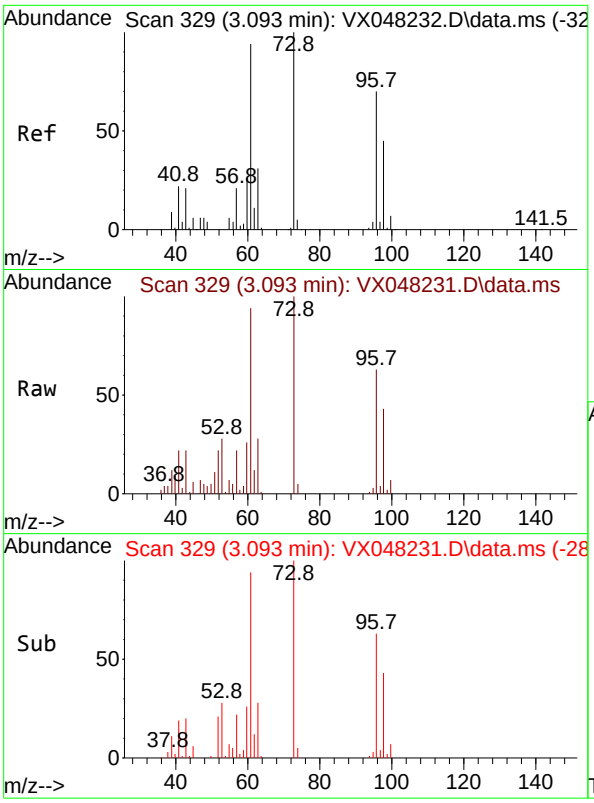



#20
Methylene Chloride
Concen: 20.231 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 84 Resp: 31157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 111.1 | 104.1 | 156.1 |
| 51 | 35.7 | 31.3 | 46.9 |
| 86 | 59.8 | 51.3 | 76.9 |

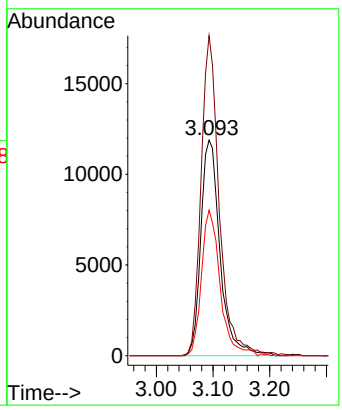





#21
trans-1,2-Dichloroethene
Concen: 19.525 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 96 Resp: 2800

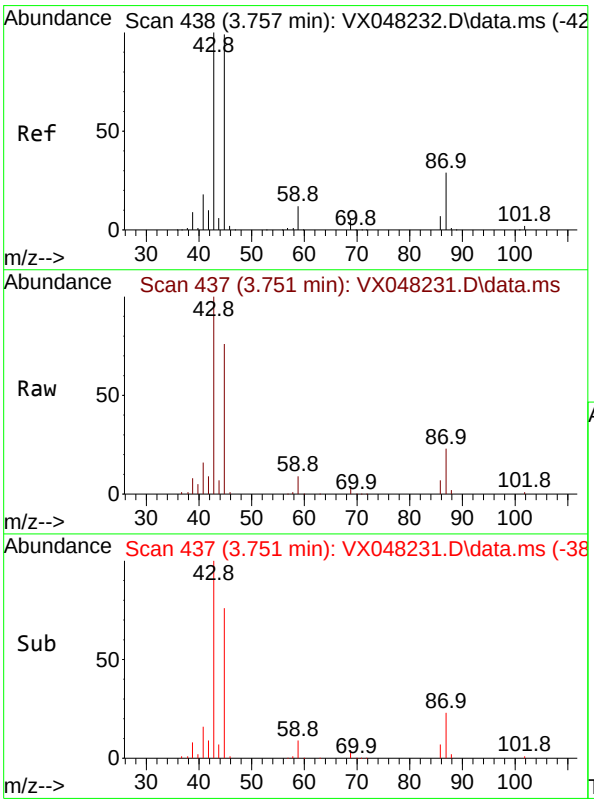
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.5 | 111.9 | 167.9 |
| 98 | 67.5 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

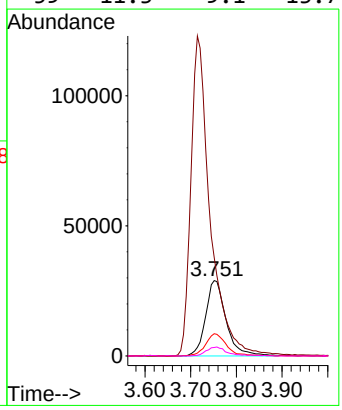
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

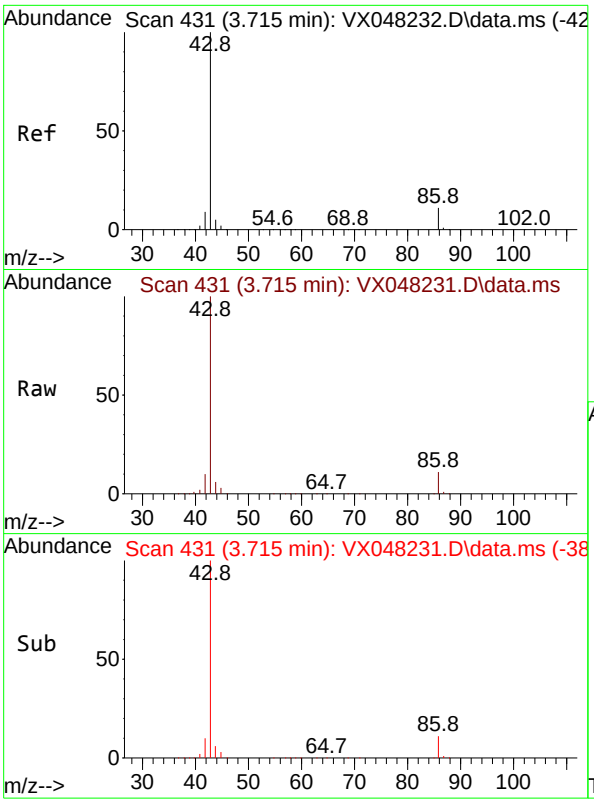



#22
Diisopropyl ether
Concen: 18.439 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 45 Resp: 90030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 129.3 | 89.8 | 134.8 |
| 87 | 29.6 | 20.6 | 31.0 |
| 59 | 11.3 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 99.706 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

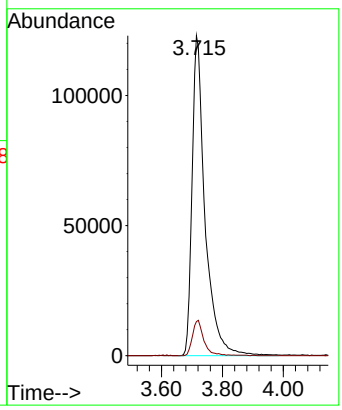
Tgt Ion: 43 Resp: 364009

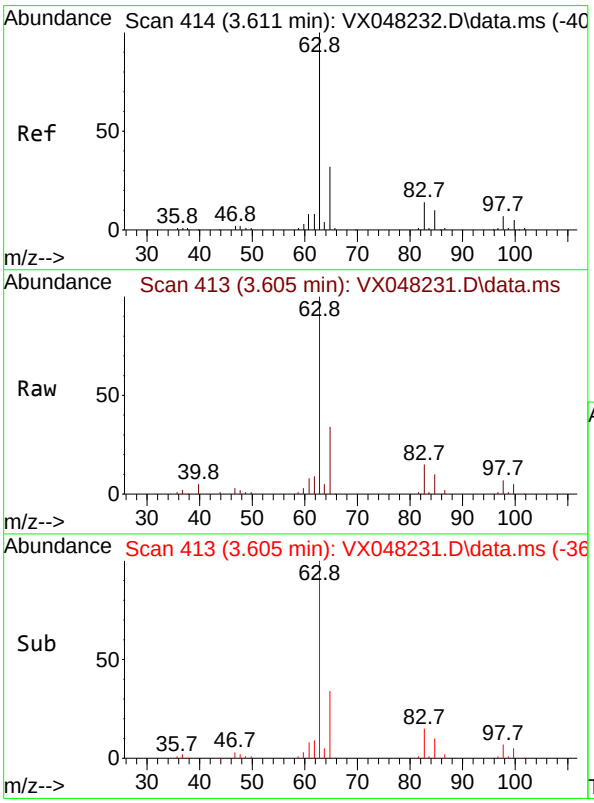
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.6 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

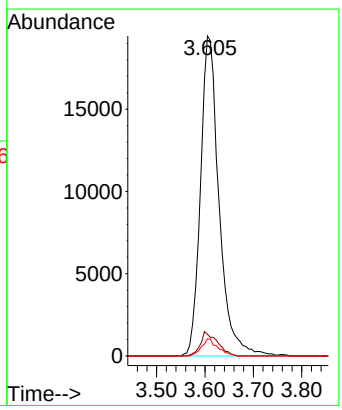


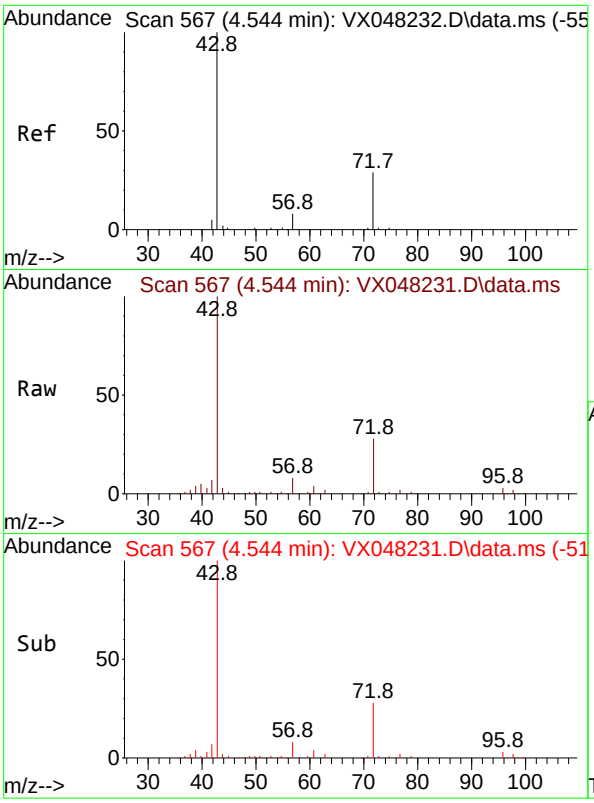




#24
1,1-Dichloroethane
Concen: 18.746 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 63 Resp: 51927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.5 | 10.6 |
| 100 | 5.4 | 2.1 | 6.3 |

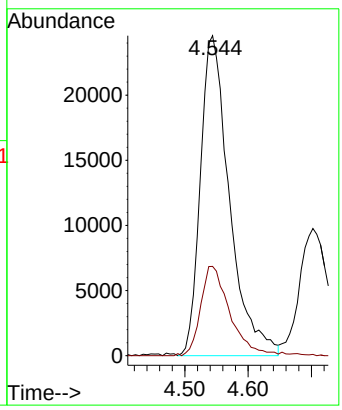





#25
2-Butanone
Concen: 106.774 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 7864

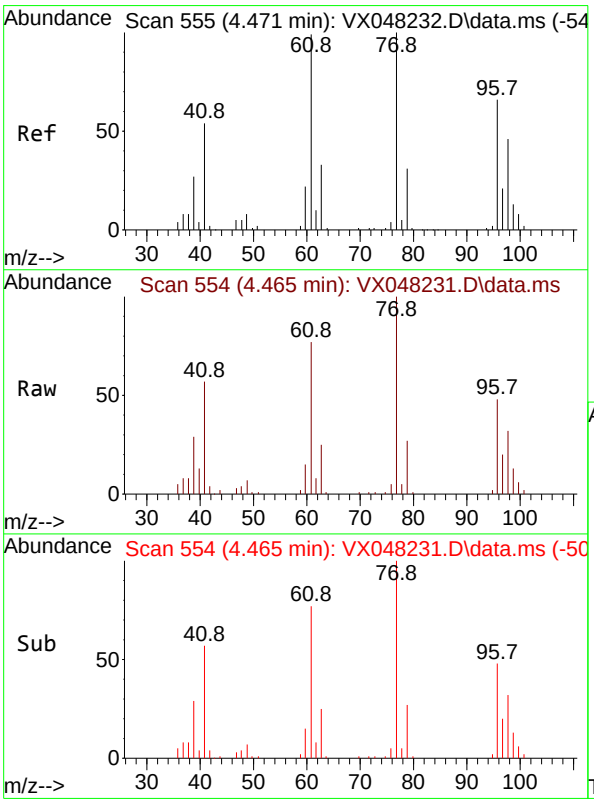
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.6 | 19.9 | 29.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

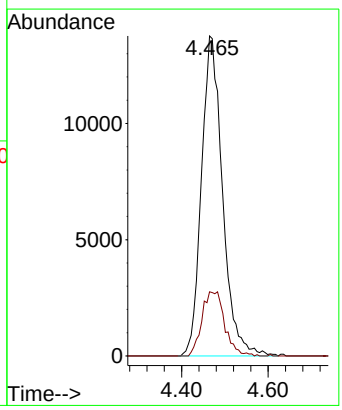
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

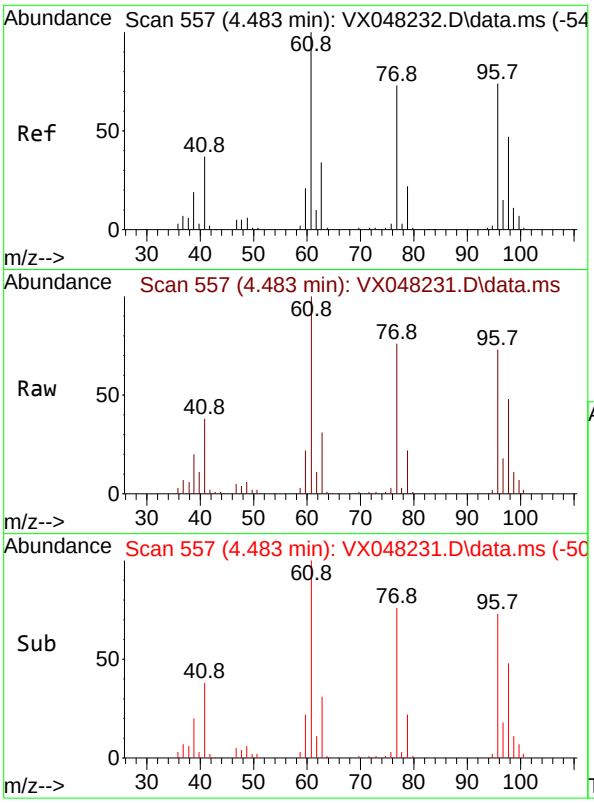



#26
2,2-Dichloropropane
Concen: 19.669 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 77 Resp: 46568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.7 | 11.1 | 33.3 |

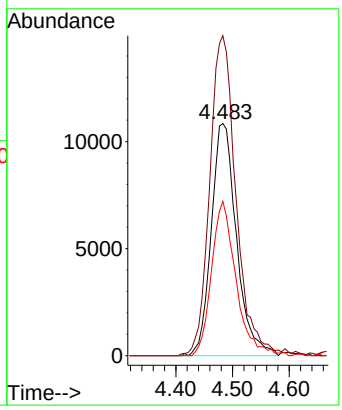





#27
cis-1,2-Dichloroethene
Concen: 19.688 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 96 Resp: 3350

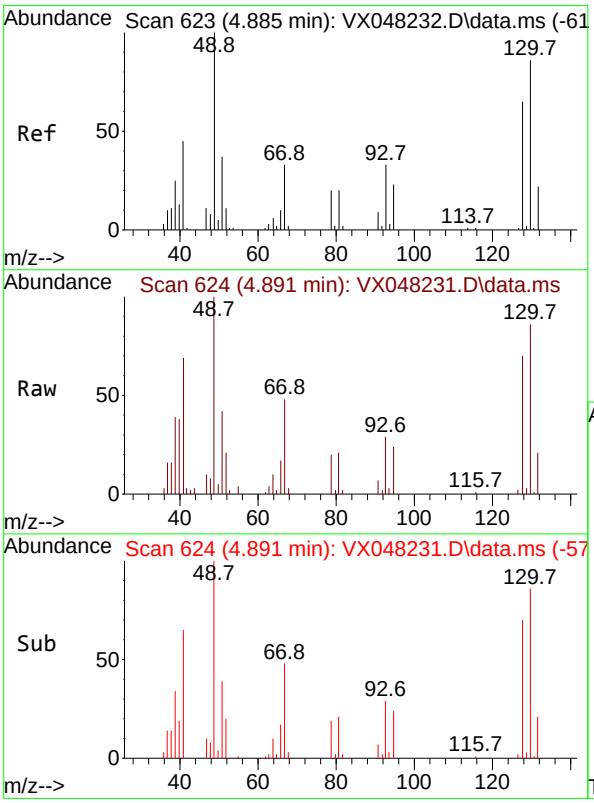
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.9 | 0.0 | 294.2 |
| 98 | 64.3 | 0.0 | 128.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

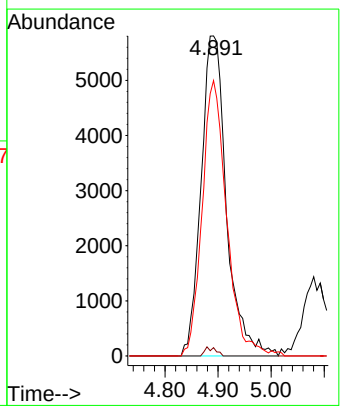
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

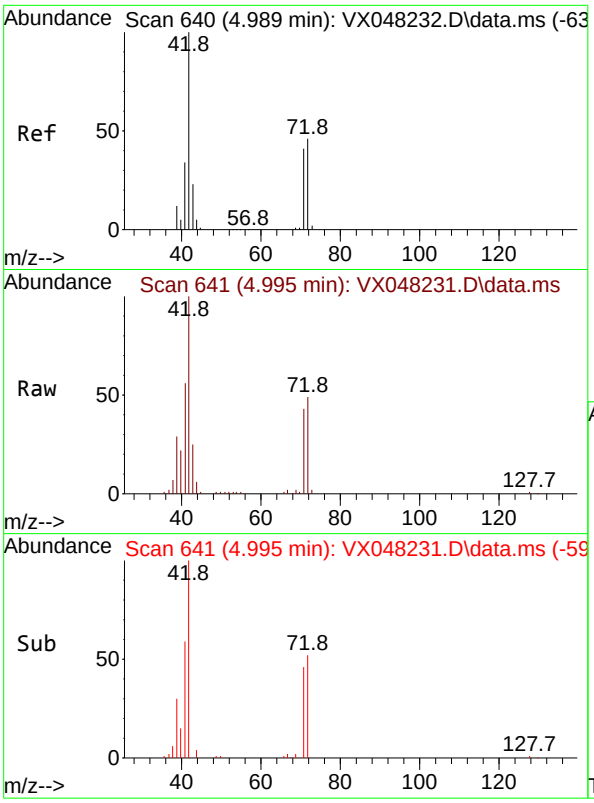



#28
Bromochloromethane
Concen: 15.146 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 49 Resp: 19339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.2 | 0.0 | 4.4 |
| 130 | 82.7 | 59.3 | 88.9 |






#29
Tetrahydrofuran
Concen: 109.718 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

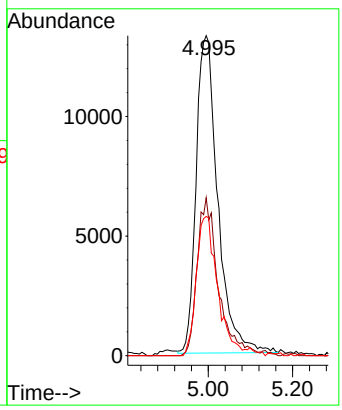
Tgt Ion: 42 Resp: 4745

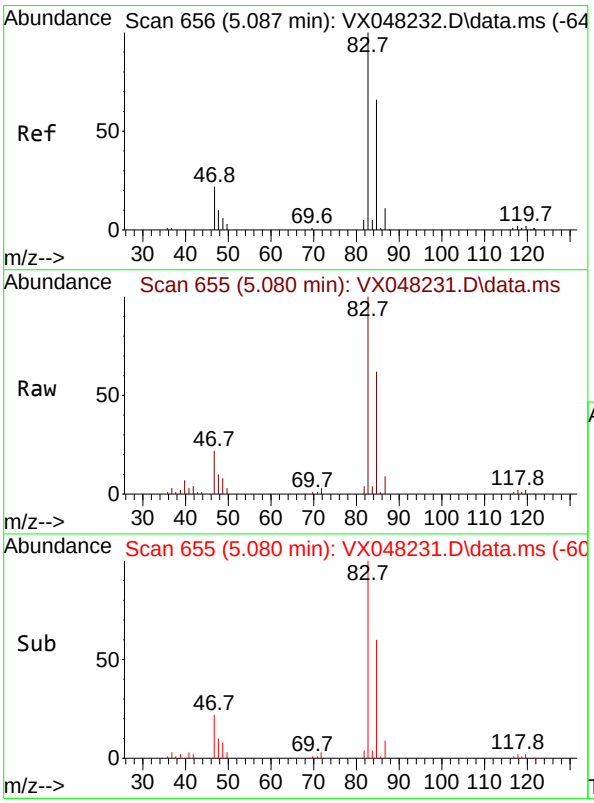
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.5 | 35.3 | 52.9 |
| 71 | 43.2 | 32.2 | 48.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

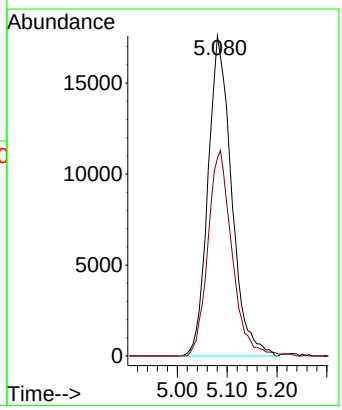


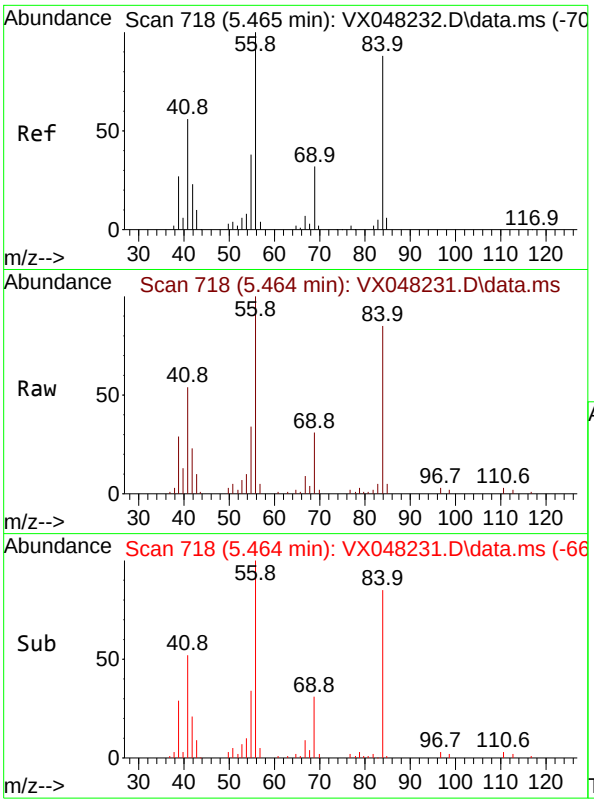




#30
Chloroform
Concen: 19.813 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 83 Resp: 57780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 50.1 | 75.1 |

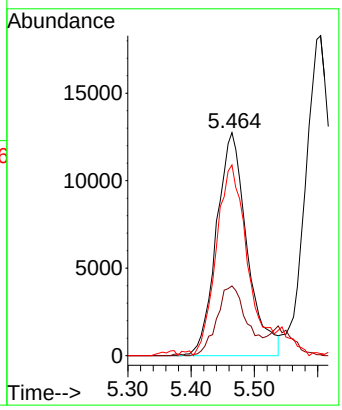





#31
Cyclohexane
Concen: 18.882 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 56 Resp: 4279

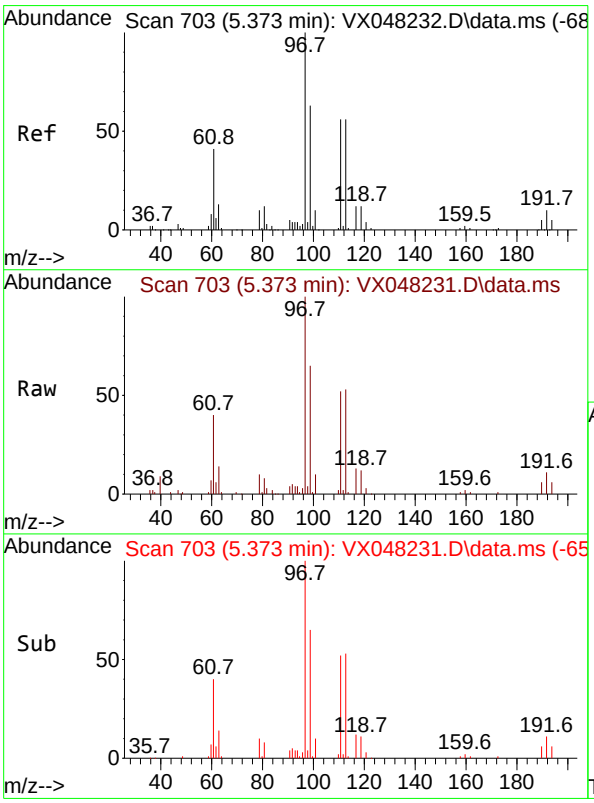
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.6 | 23.0 | 34.6 |
| 84 | 85.5 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

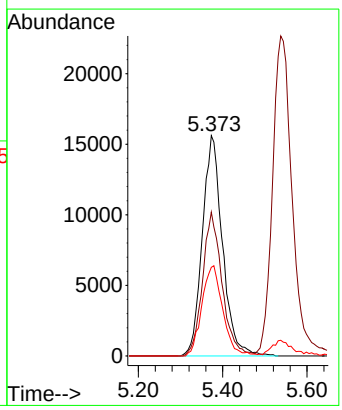
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

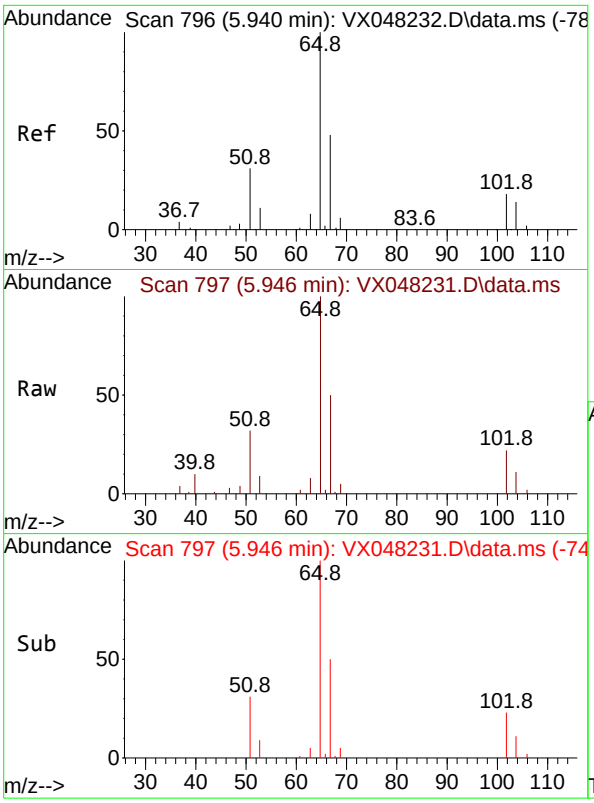



#32
1,1,1-Trichloroethane
Concen: 21.672 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 97 Resp: 51929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.0 | 51.7 | 77.5 |
| 61 | 42.4 | 34.8 | 52.2 |

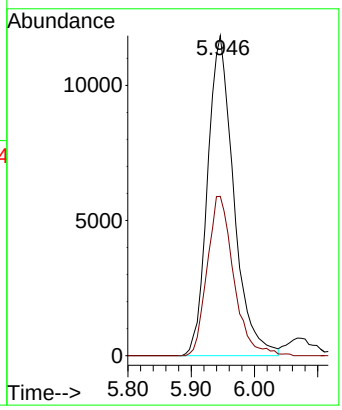





#33
1,2-Dichloroethane-d4
Concen: 18.312 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 65 Resp: 3393

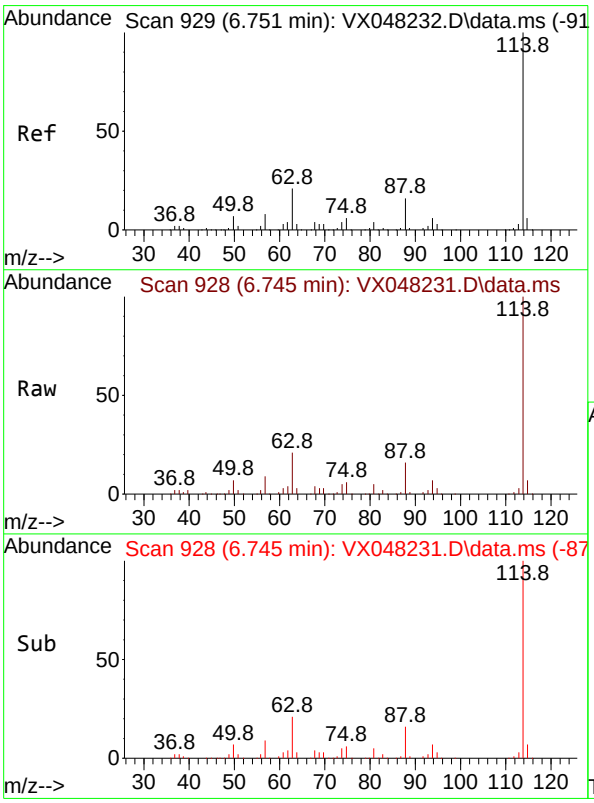
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 105.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

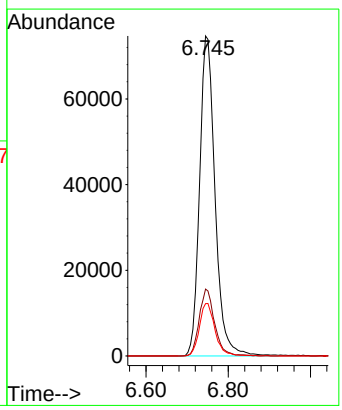
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

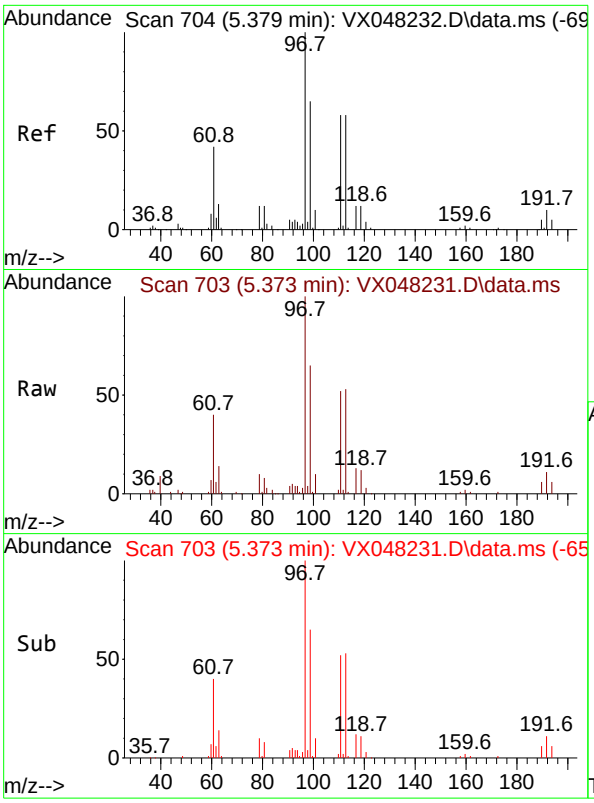



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:114 Resp: 195028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.9 | 0.0 | 43.2 |
| 88 | 16.4 | 0.0 | 33.6 |

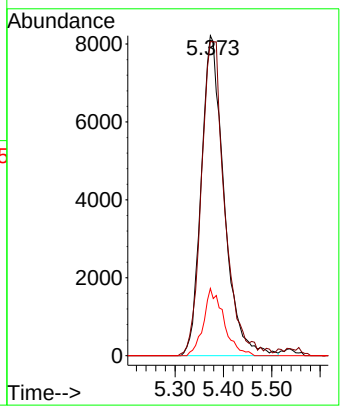





#35
Dibromofluoromethane
Concen: 19.872 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:113 Resp: 2689

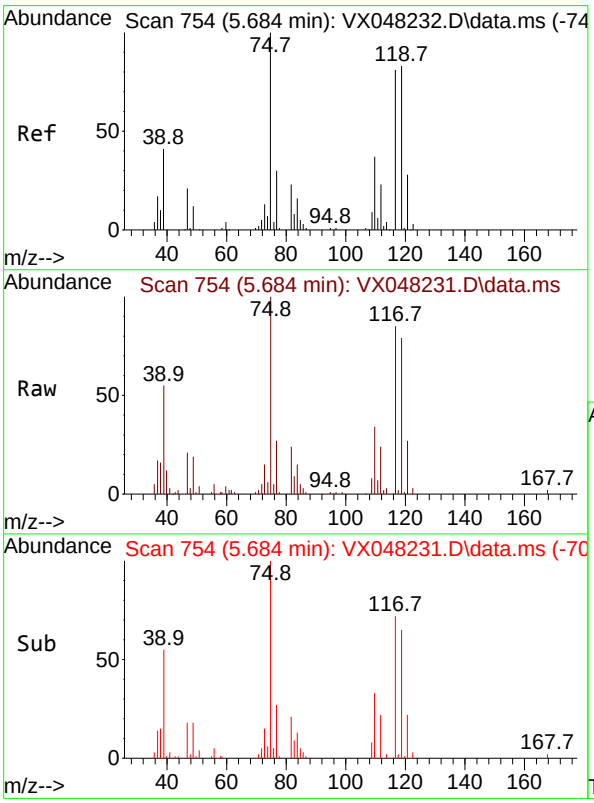
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.7 | 82.2 | 123.4 |
| 192 | 18.8 | 15.1 | 22.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

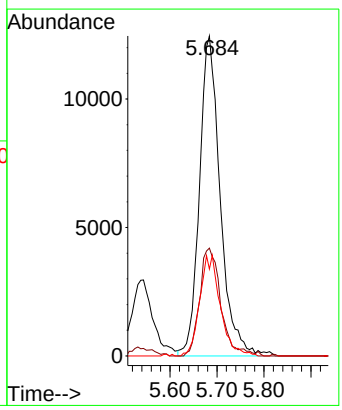
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

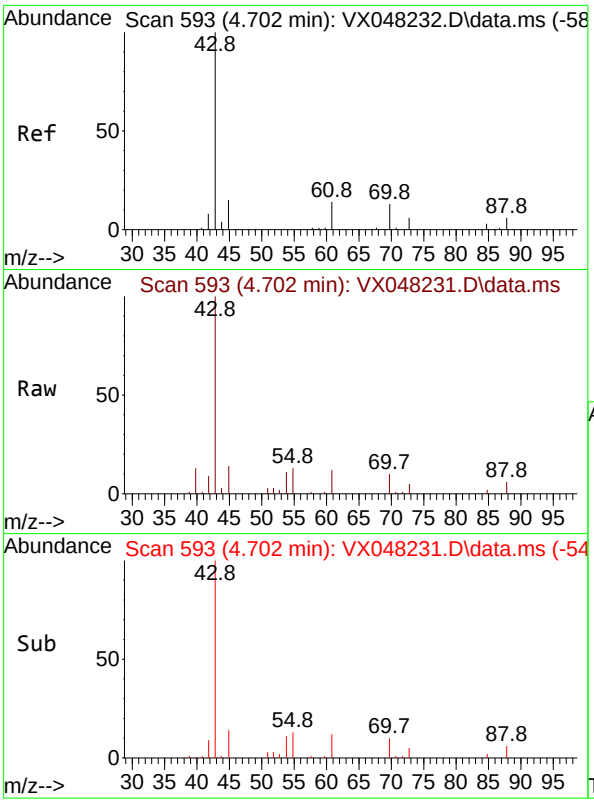



#36
1,1-Dichloropropene
Concen: 20.071 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 38270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 17.7 | 53.1 |
| 77 | 31.1 | 24.3 | 36.5 |

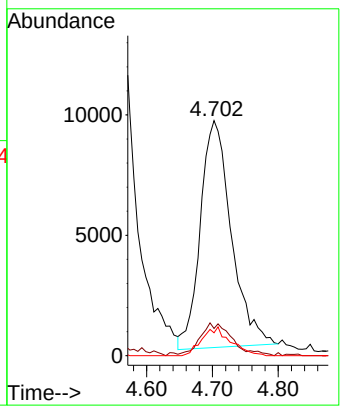





#37
Ethyl Acetate
Concen: 20.280 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 3090

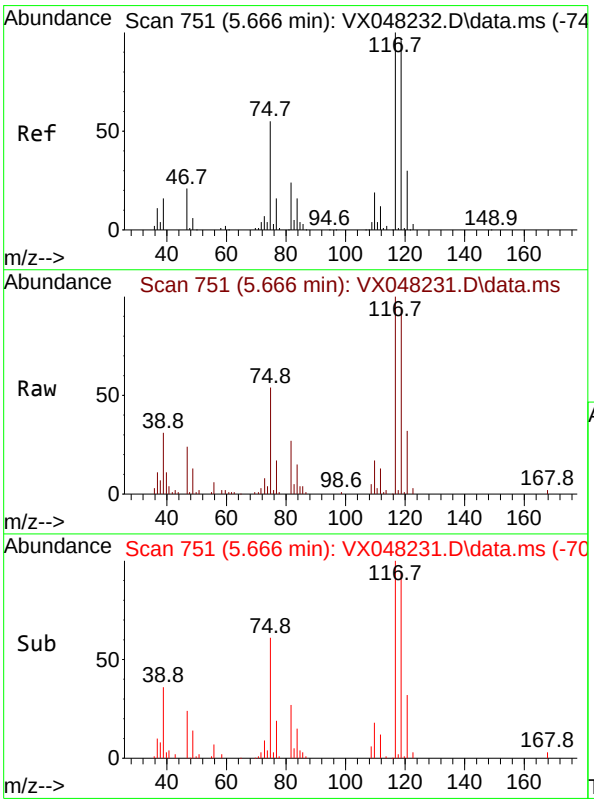
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.8 | 10.6 | 15.8 |
| 70 | 11.7 | 7.8 | 11.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

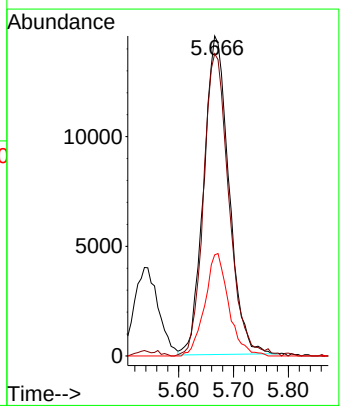
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

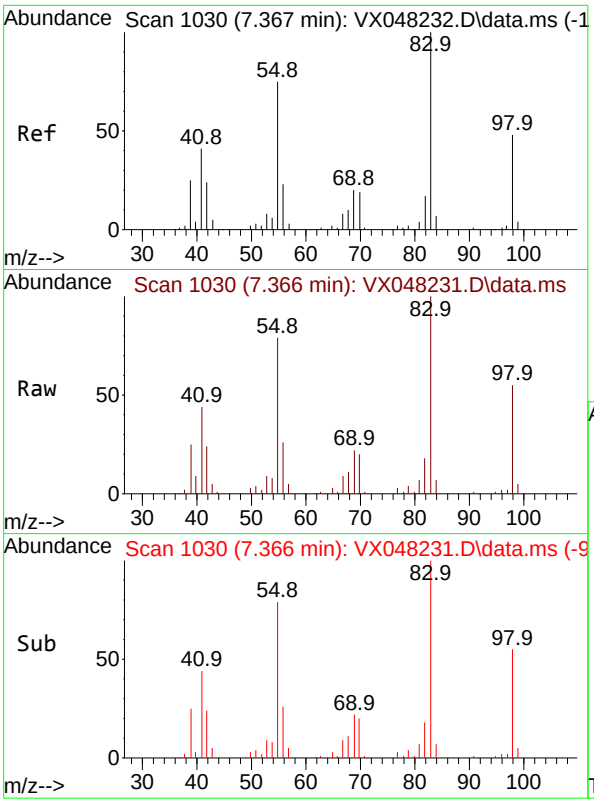



#38
Carbon Tetrachloride
Concen: 21.166 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:117 Resp: 46323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 77.2 | 115.8 |
| 121 | 31.8 | 24.8 | 37.2 |

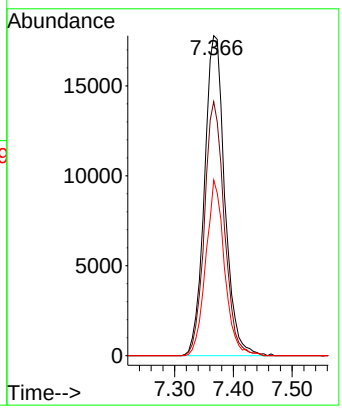





#39
Methylcyclohexane
Concen: 19.897 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 83 Resp: 4277

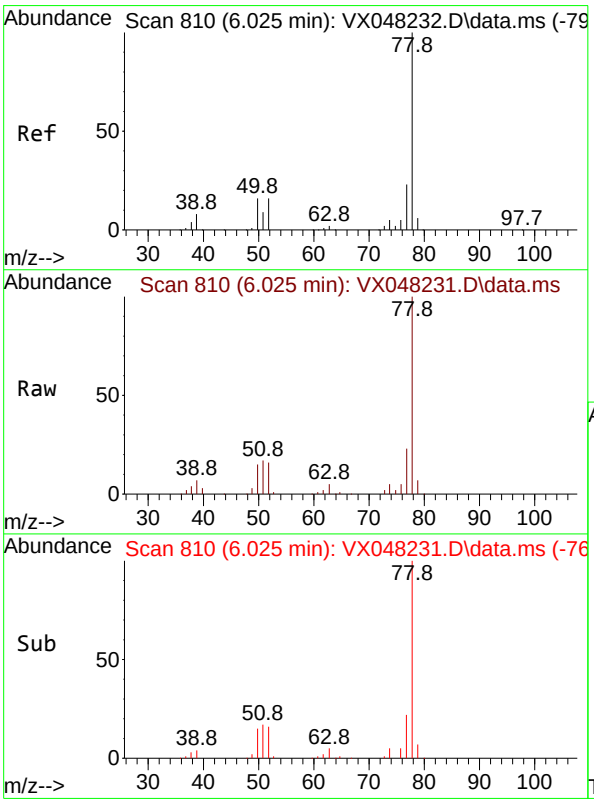
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.4 | 66.2 | 99.2 |
| 98 | 54.9 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

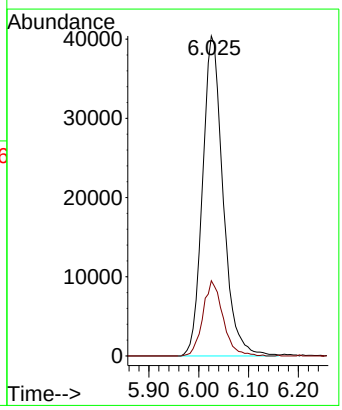
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

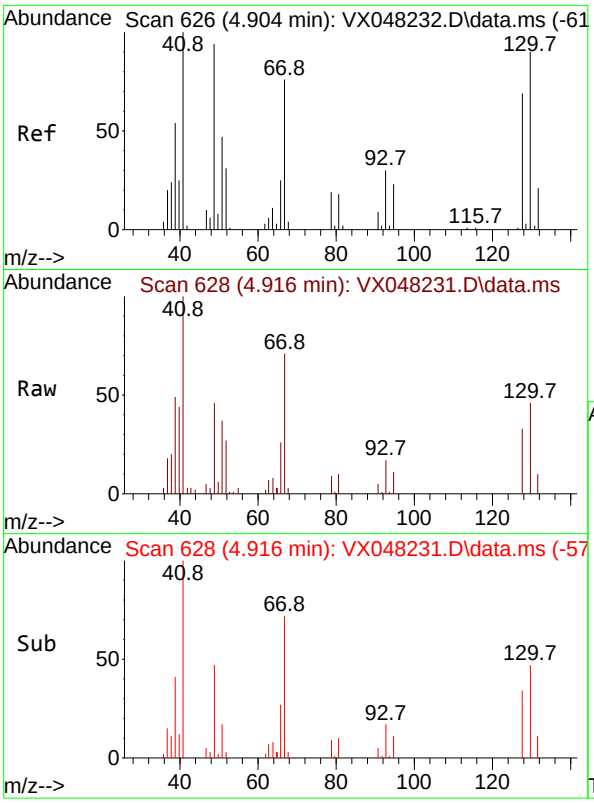



#40
Benzene
Concen: 20.398 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 78 Resp: 115488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 19.3 | 28.9 |

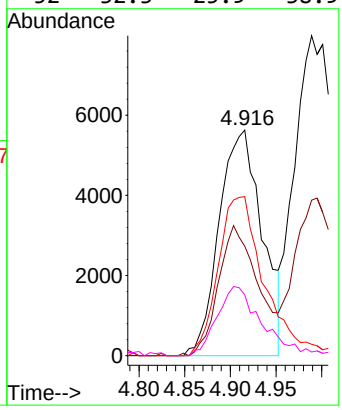





#41
Methacrylonitrile
Concen: 22.621 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 41 Resp: 1846

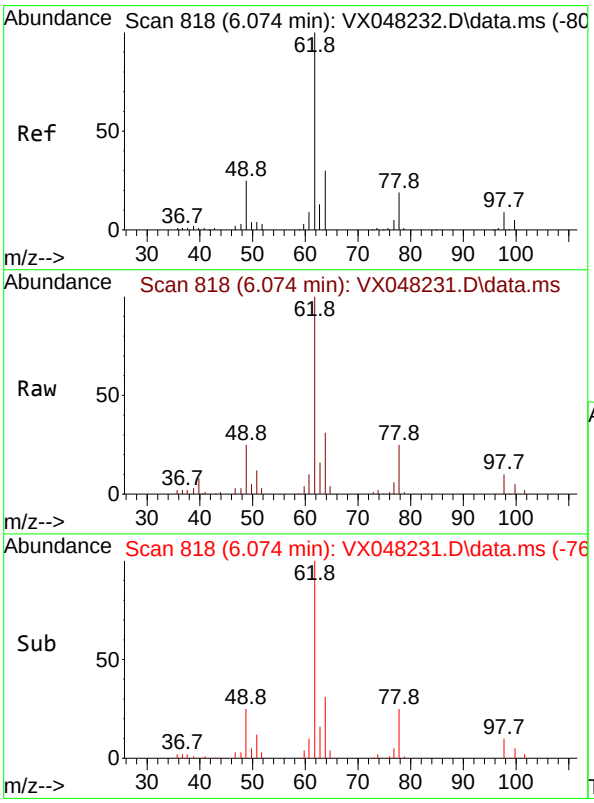
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.4 | 44.0 | 66.0 |
| 67 | 76.9 | 58.7 | 88.1 |
| 52 | 32.3 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

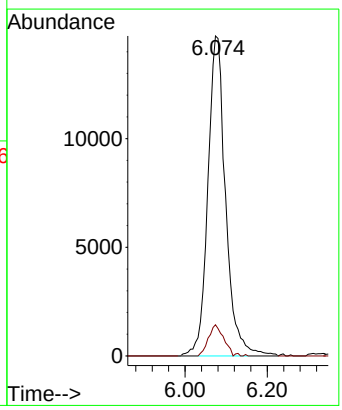
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

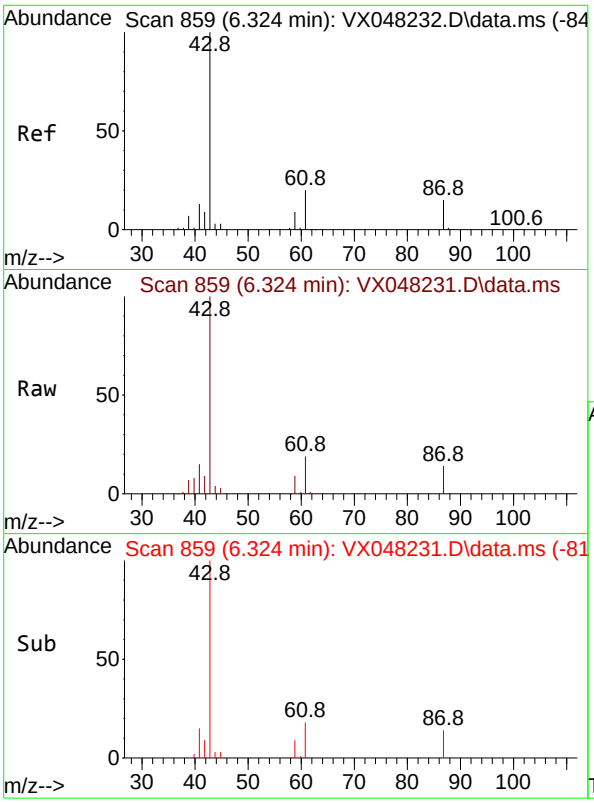



#42
1,2-Dichloroethane
Concen: 21.778 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 62 Resp: 44176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.5 | 0.0 | 17.2 |

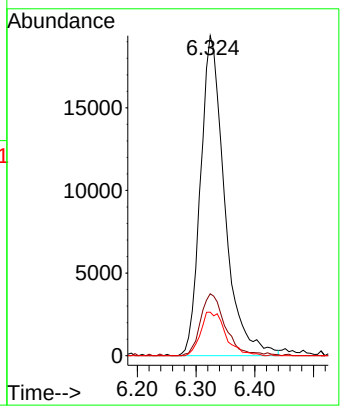





#43
Isopropyl Acetate
Concen: 21.625 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 5531

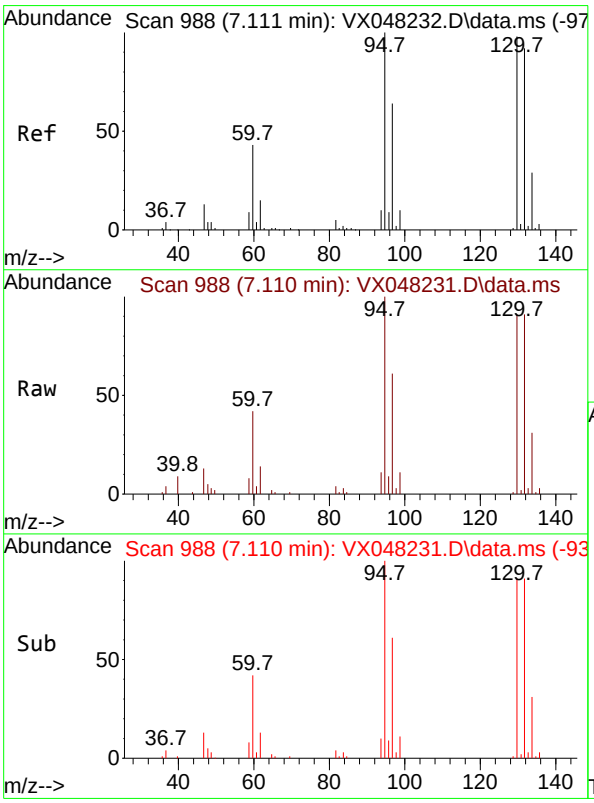
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.9 | 14.9 | 22.3 |
| 87 | 14.1 | 9.4 | 14.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

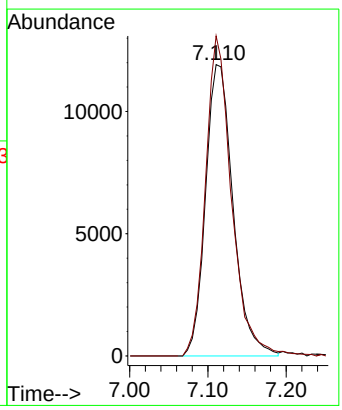
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

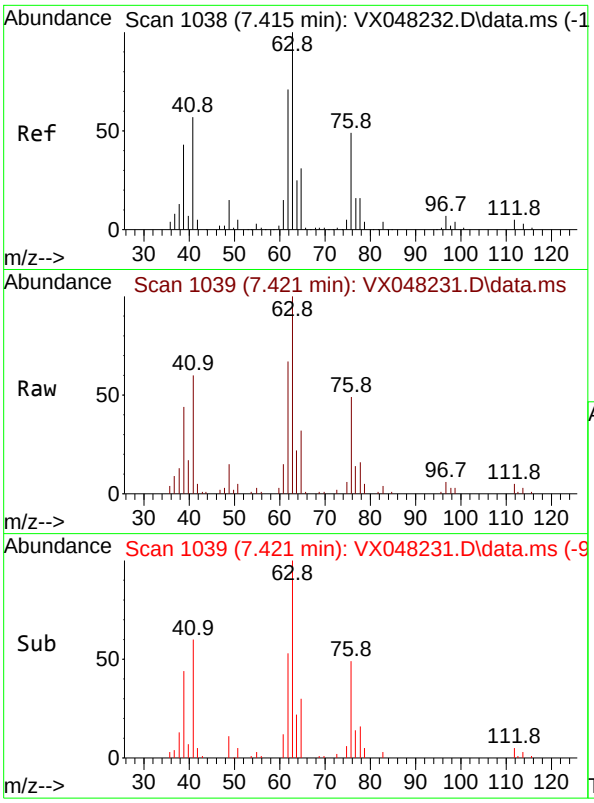



#44
Trichloroethene
Concen: 20.399 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:130 Resp: 29108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 109.8 | 0.0 | 200.6 |

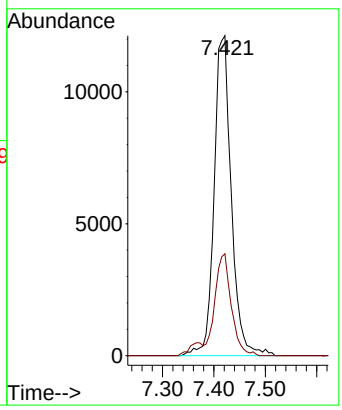





#45
1,2-Dichloropropane
Concen: 19.709 ug/l
RT: 7.421 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 63 Resp: 2824

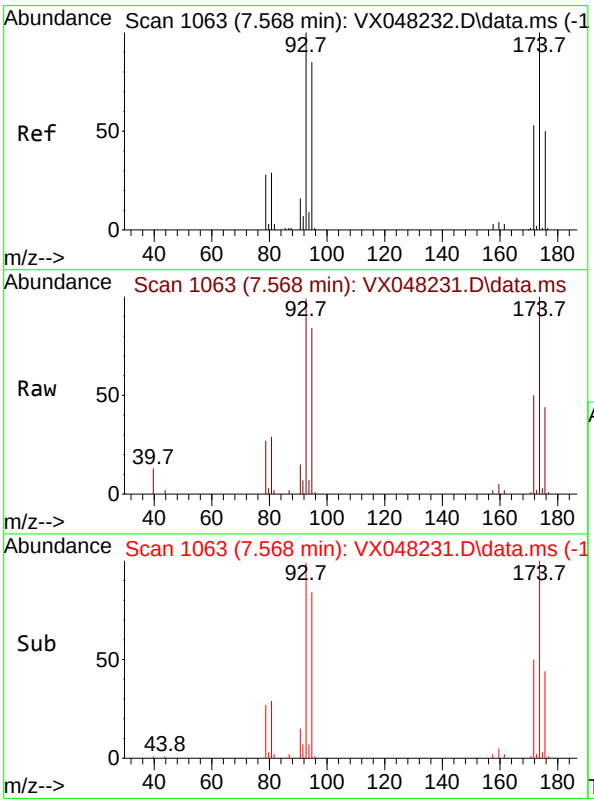
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.8 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

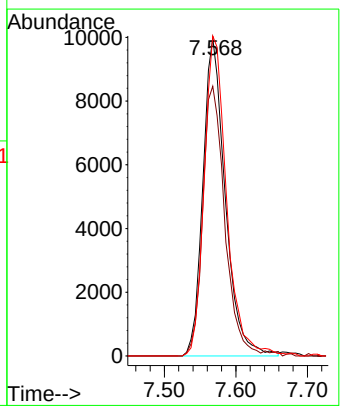
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

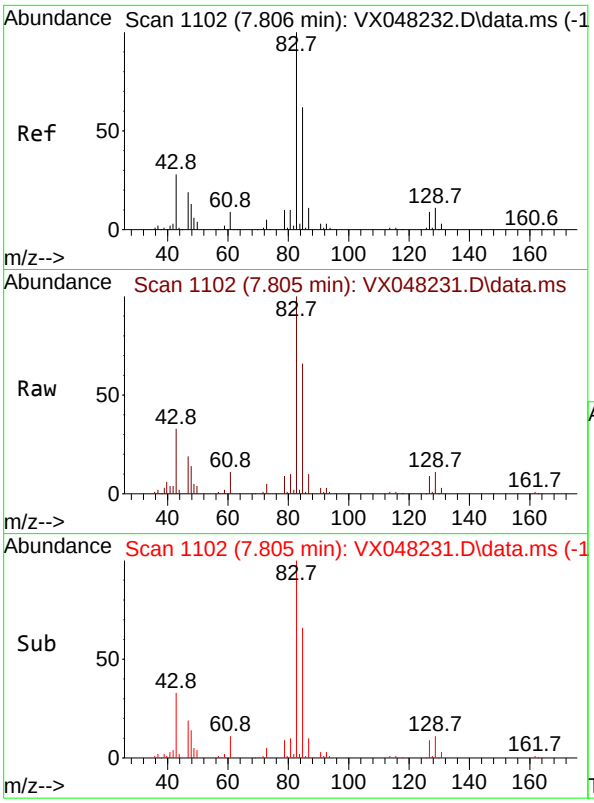



#46
Dibromomethane
Concen: 20.955 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 93 Resp: 21605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.4 | 65.9 | 98.9 |
| 174 | 101.4 | 71.7 | 107.5 |

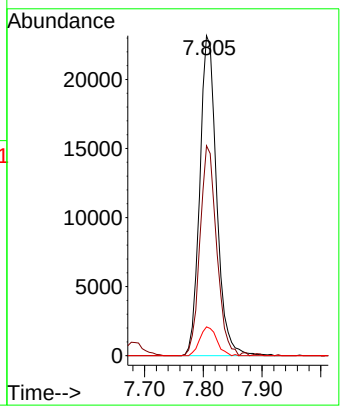





#47
Bromodichloromethane
Concen: 20.743 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 83 Resp: 4622

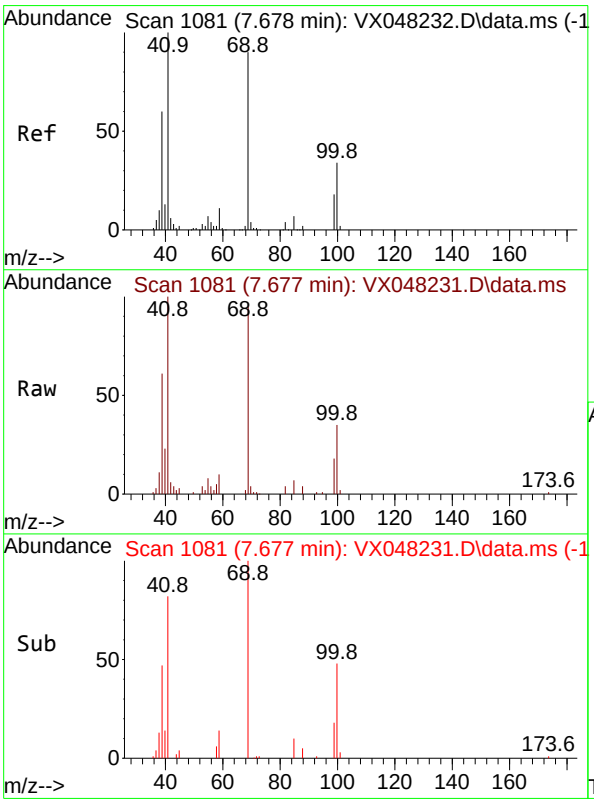
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 52.2 | 78.4 |
| 127 | 9.0 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

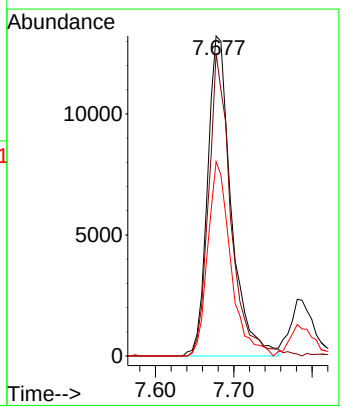
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

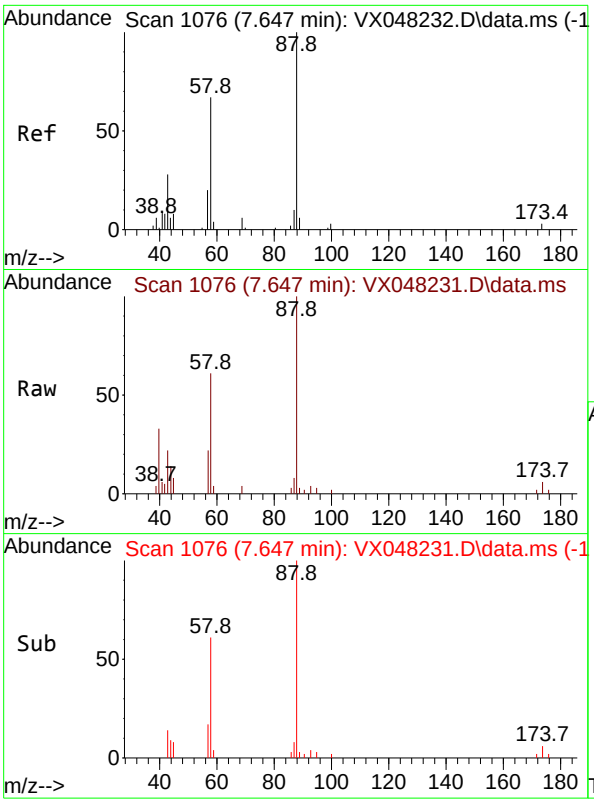



#48
Methyl methacrylate
Concen: 21.193 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 41 Resp: 27751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 88.6 | 63.4 | 95.0 |
| 39 | 58.7 | 47.1 | 70.7 |

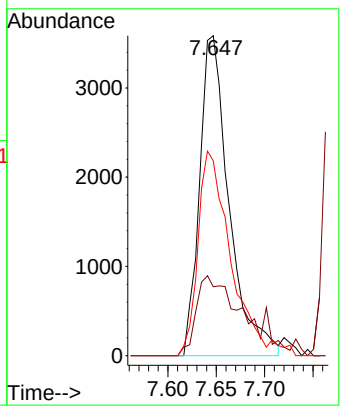





#49
1,4-Dioxane
Concen: 646.470 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 88 Resp: 762

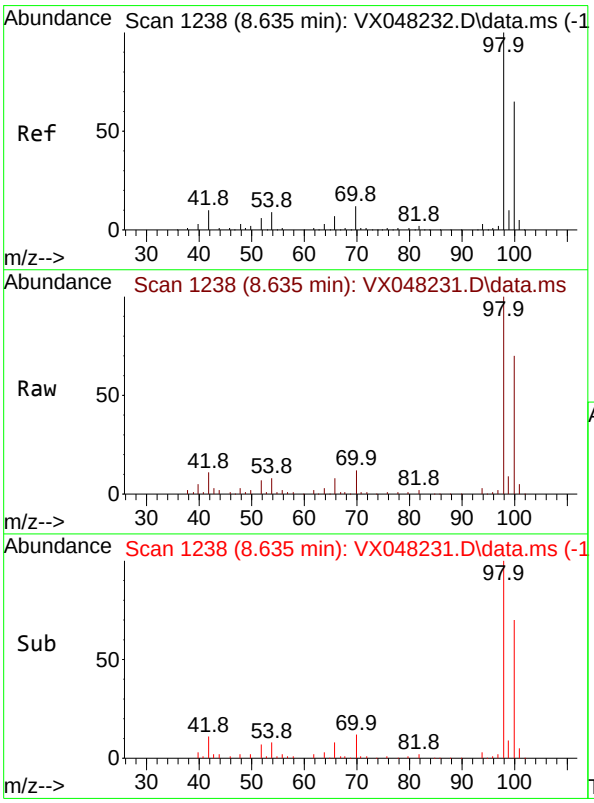
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.0 | 35.0 | 52.4 |
| 58 | 71.5 | 61.9 | 92.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

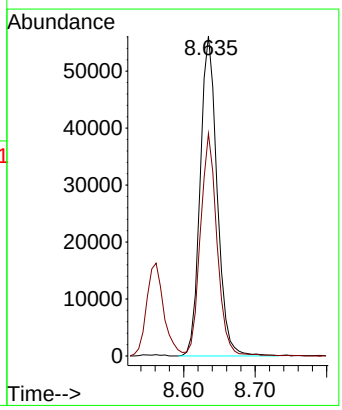
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

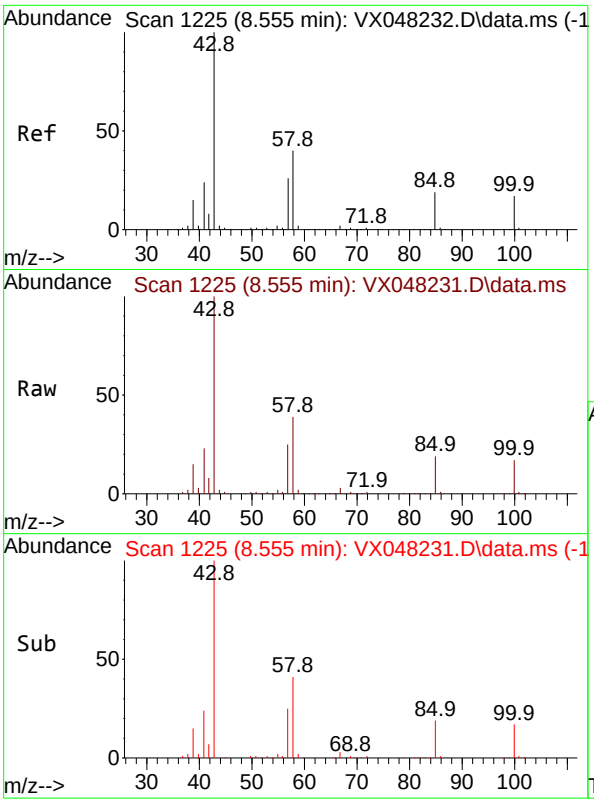



#50
Toluene-d8
Concen: 18.965 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 98 Resp: 92476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.8 | 53.0 | 79.4 |

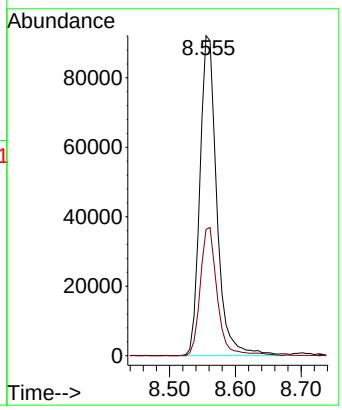





#51
4-Methyl-2-Pentanone
Concen: 115.713 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 16470

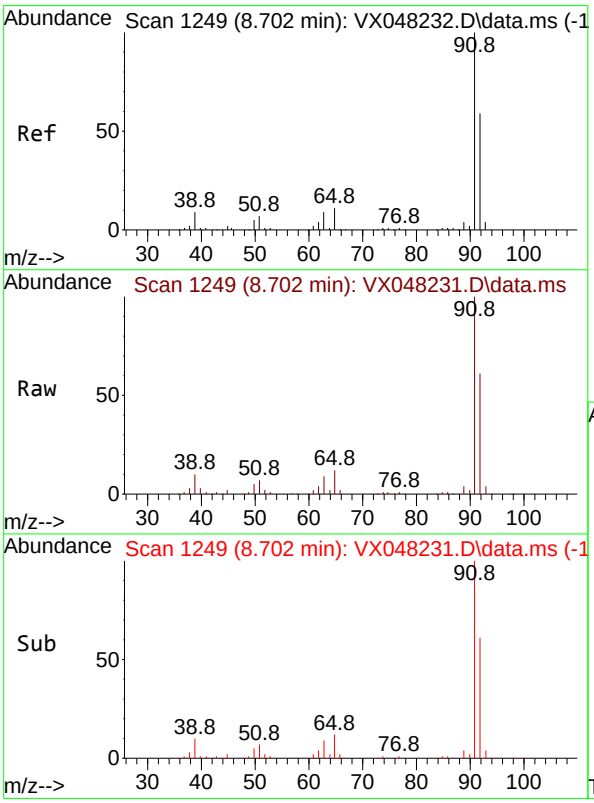
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.3 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

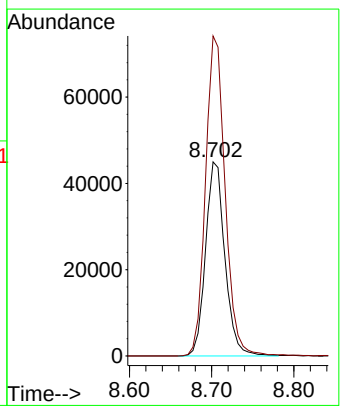
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

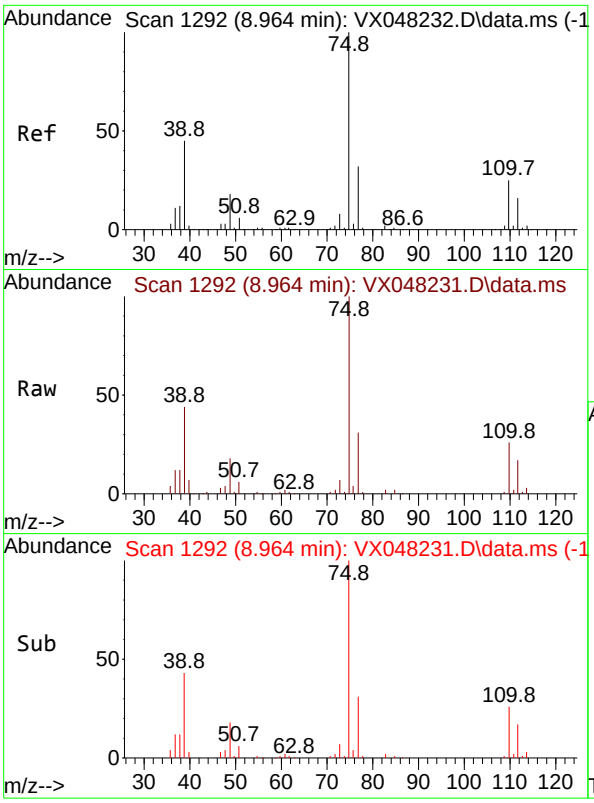



#52
Toluene
Concen: 21.635 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 92 Resp: 73623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 167.2 | 136.1 | 204.1 |

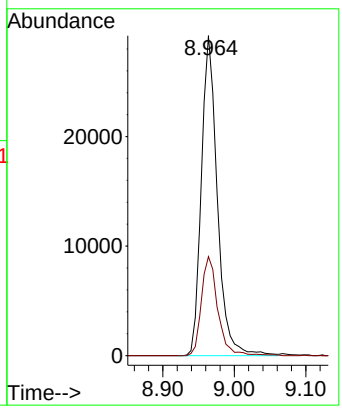





#53
t-1,3-Dichloropropene
Concen: 21.756 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 4541

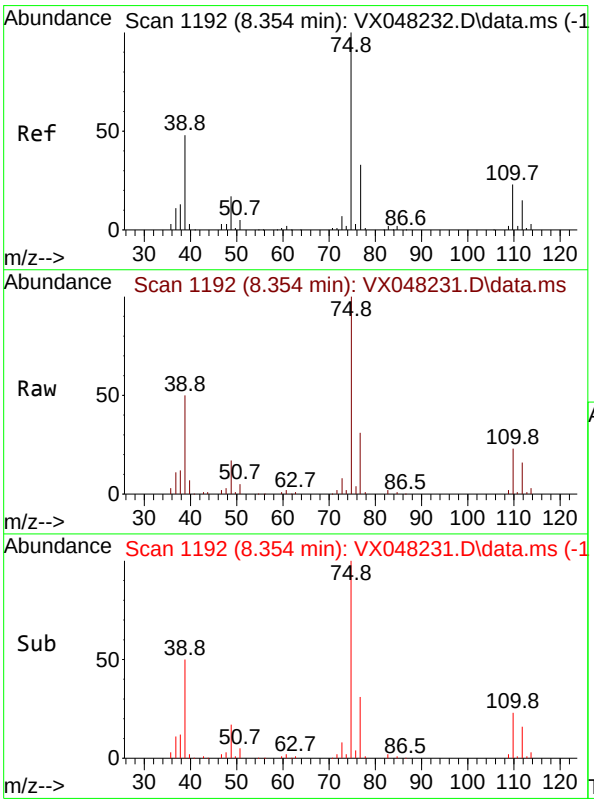
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.0 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

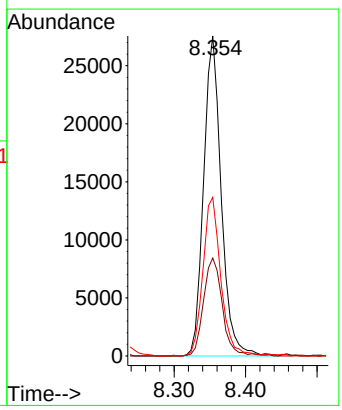
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

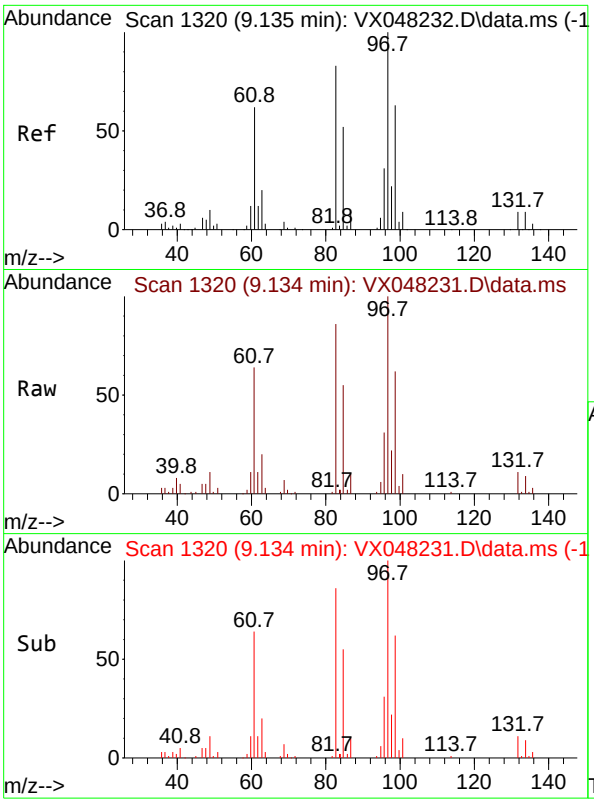



#54
cis-1,3-Dichloropropene
Concen: 20.713 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 47130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.6 | 24.9 | 37.3 |
| 39 | 49.5 | 42.6 | 64.0 |

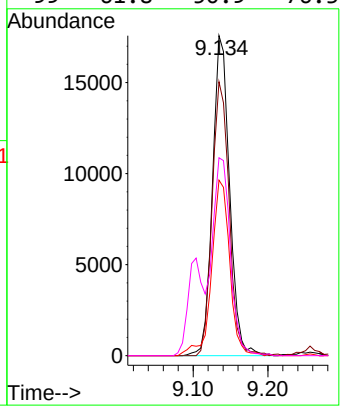





#55
1,1,2-Trichloroethane
Concen: 21.961 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 97 Resp: 2788

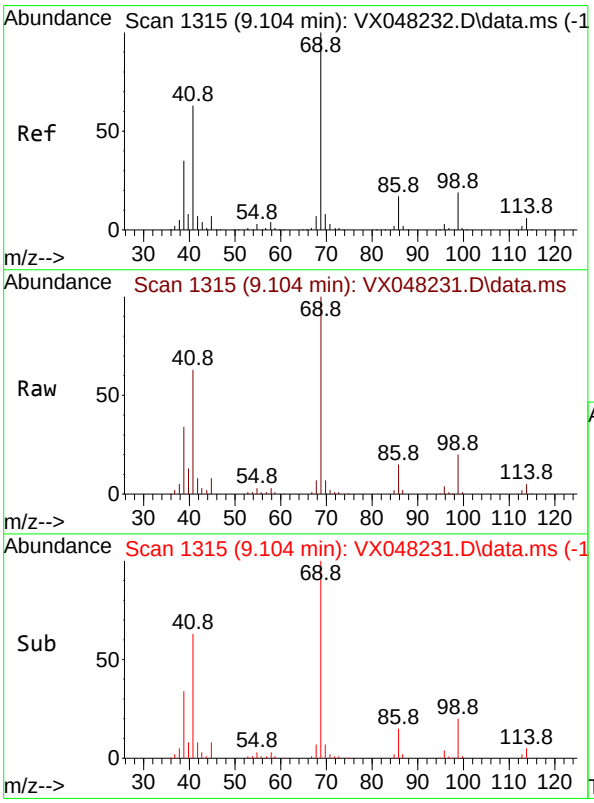
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.6 | 70.6 | 105.8 |
| 85 | 54.9 | 45.0 | 67.6 |
| 99 | 61.8 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

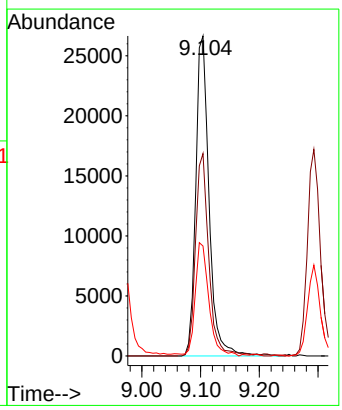
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

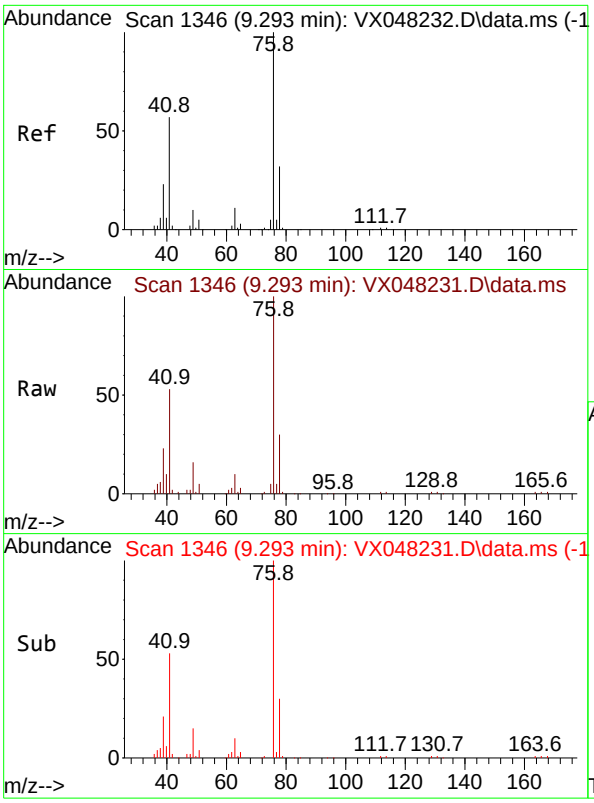



#56
Ethyl methacrylate
Concen: 24.210 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 69 Resp: 41809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 63.2 | 56.0 | 84.0 |
| 39 | 36.3 | 31.6 | 47.4 |

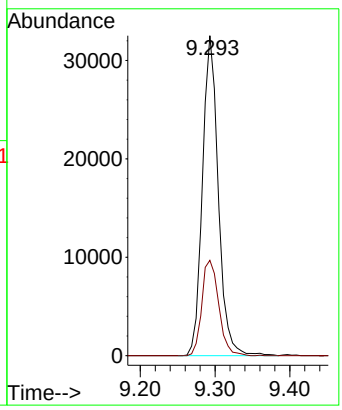





#57
1,3-Dichloropropane
Concen: 21.591 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 76 Resp: 4789

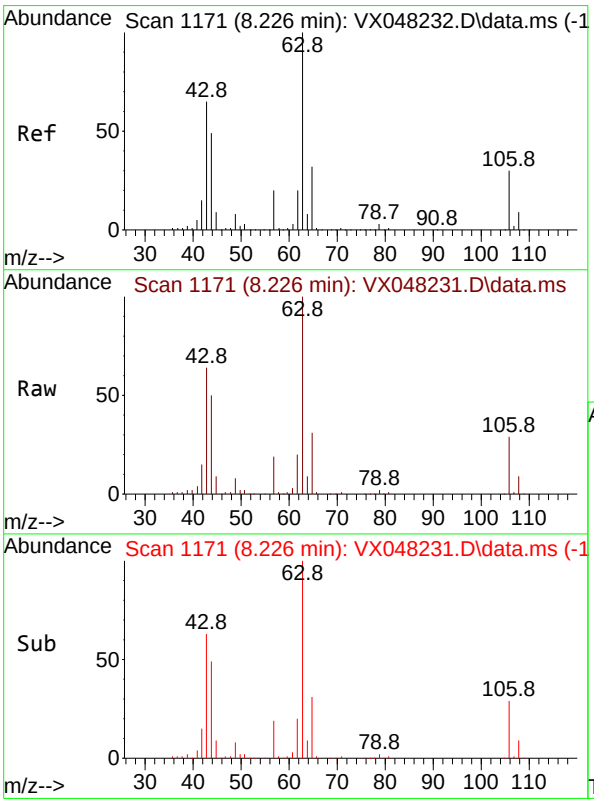
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.7 | 25.4 | 38.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

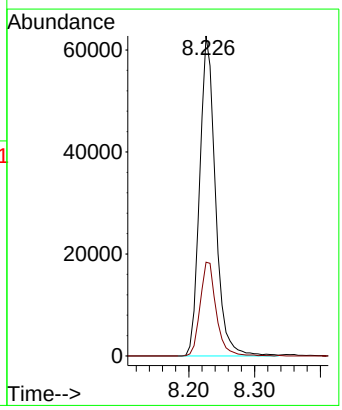
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

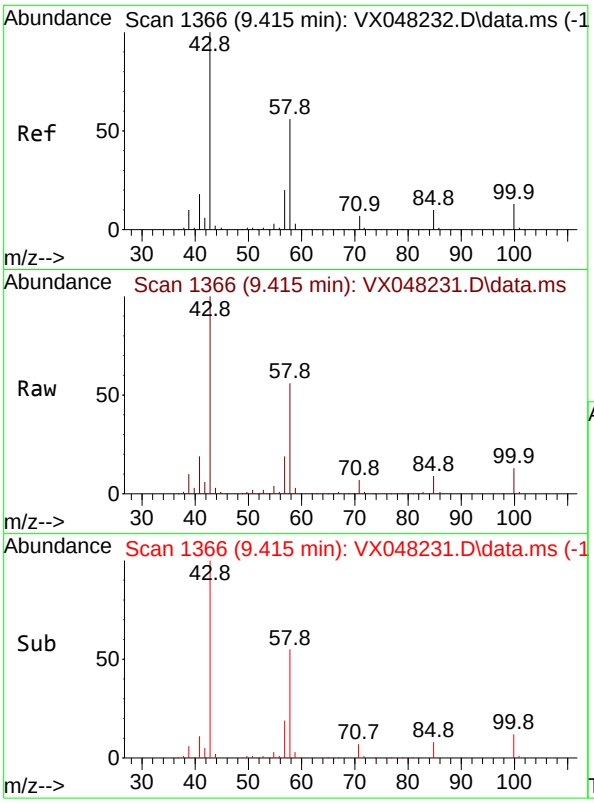



#58
2-Chloroethyl Vinyl ether
Concen: 118.278 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 63 Resp: 104883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.7 | 22.2 | 33.2 |

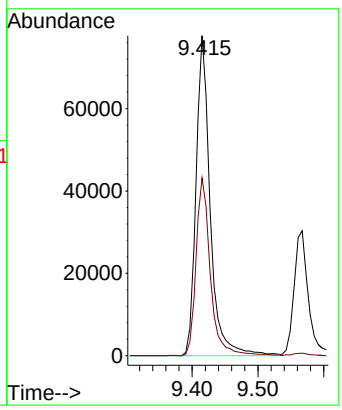





#59
2-Hexanone
Concen: 116.777 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 11626

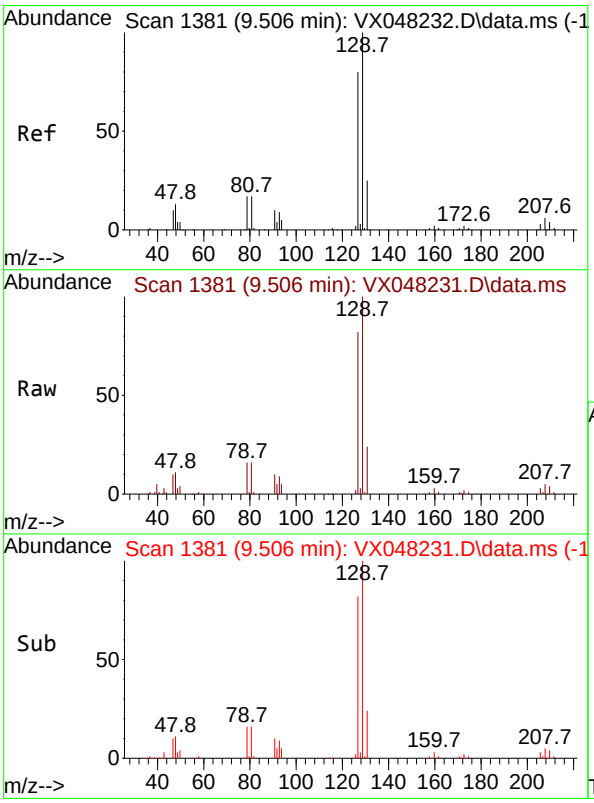
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.1 | 26.3 | 78.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

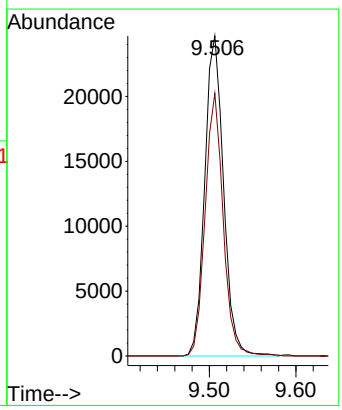
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

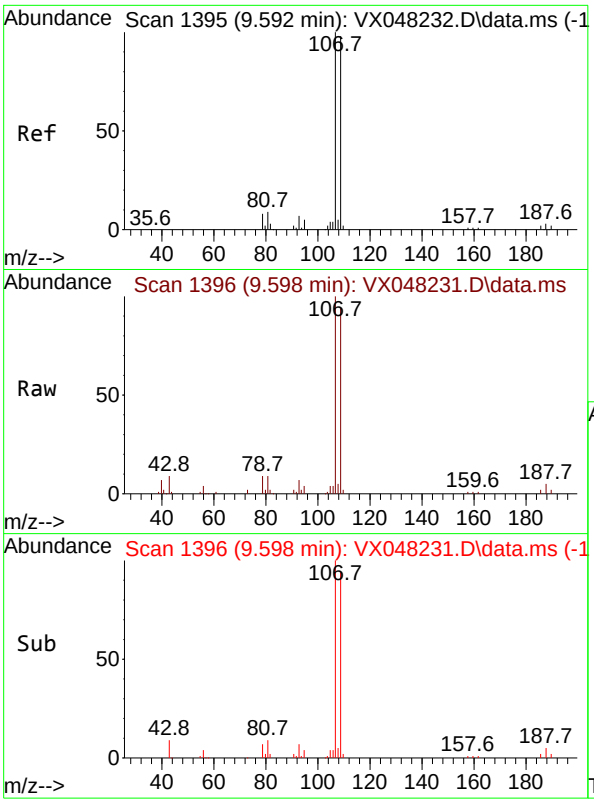



#60
Dibromochloromethane
Concen: 23.361 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:129 Resp: 37127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.9 | 38.6 | 115.7 |

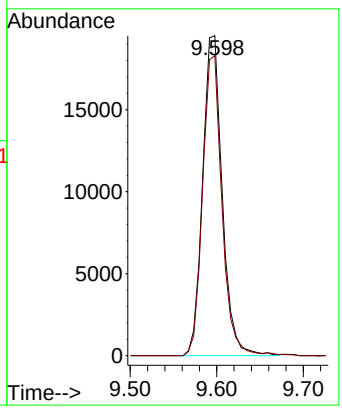





#61
1,2-Dibromoethane
Concen: 23.533 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:107 Resp: 3063

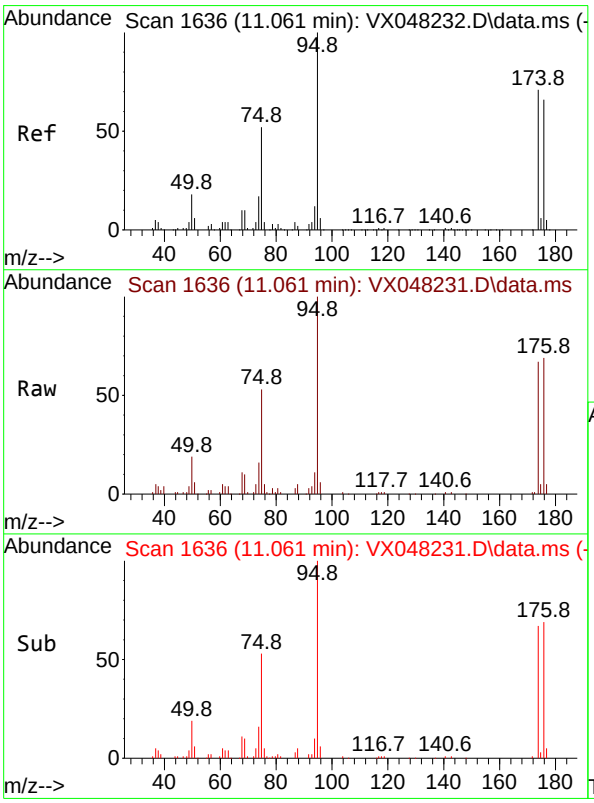
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.2 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

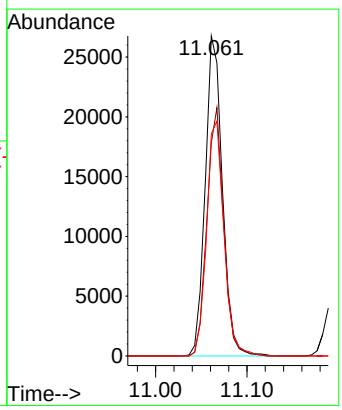
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

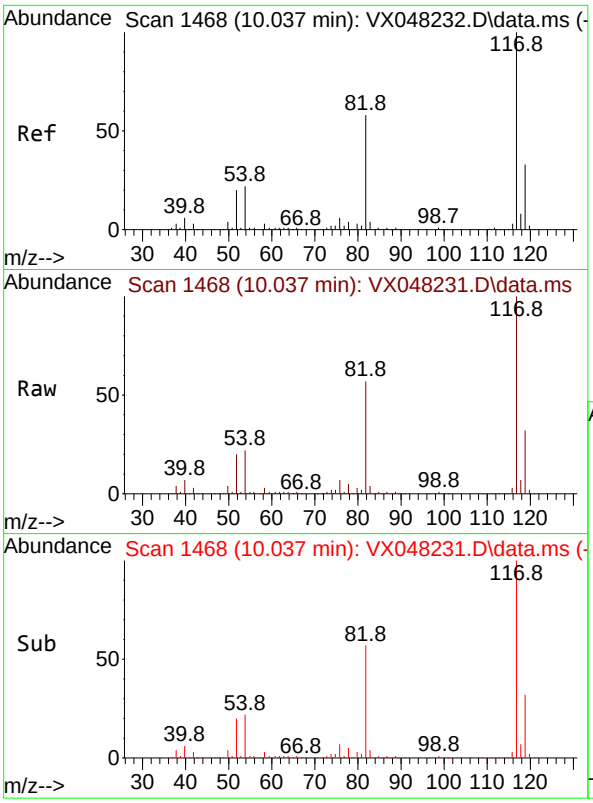



#62
4-Bromofluorobenzene
Concen: 19.551 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 95 Resp: 34724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.8 | 0.0 | 147.8 |
| 176 | 74.3 | 0.0 | 142.8 |

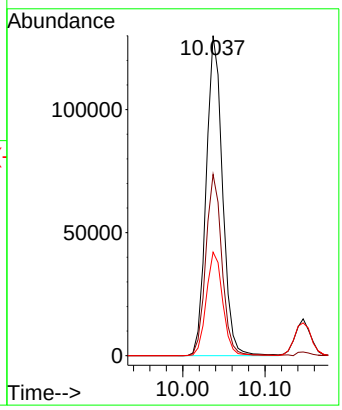





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:117 Resp: 17897

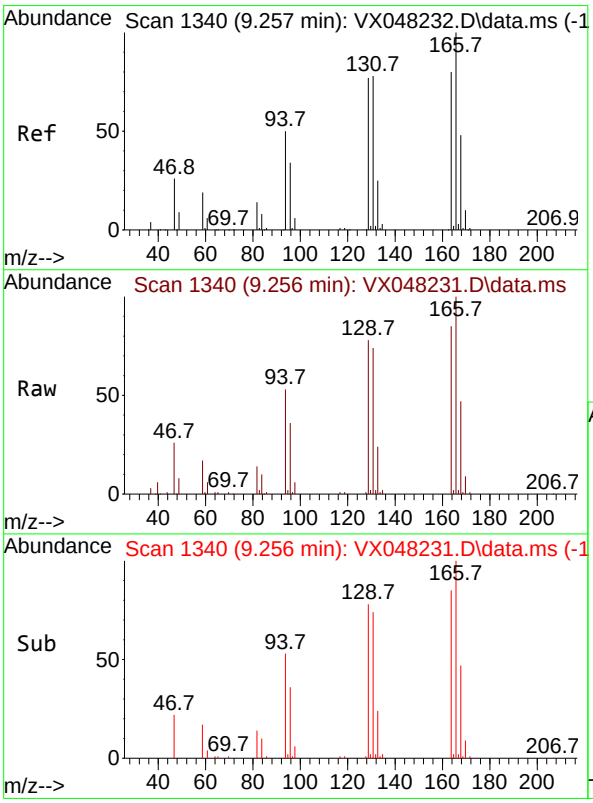
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.6 | 46.5 | 69.7 |
| 119 | 32.4 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

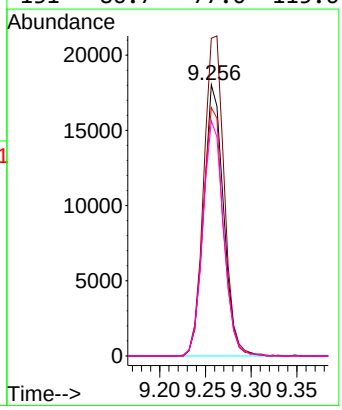
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

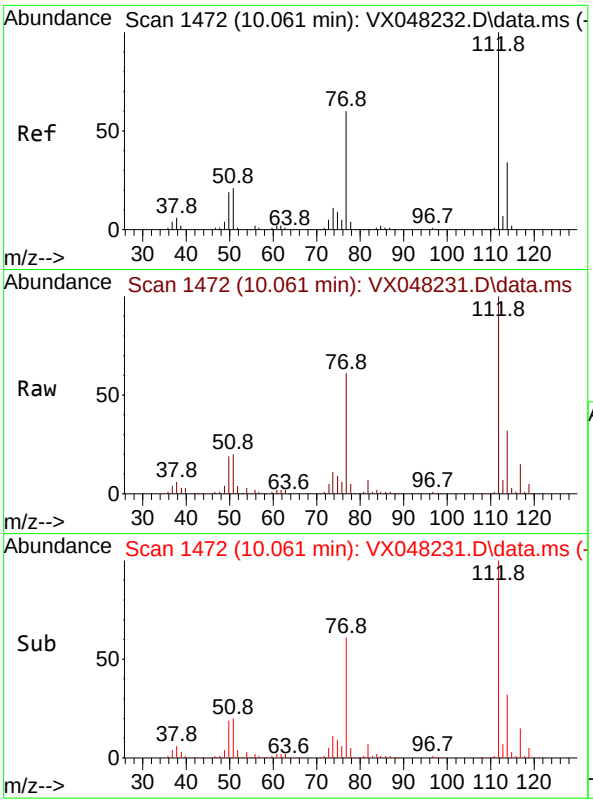



#64
Tetrachloroethene
Concen: 21.550 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:164 Resp: 27043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 117.2 | 104.5 | 156.7 |
| 129 | 91.6 | 81.8 | 122.6 |
| 131 | 86.7 | 77.0 | 115.6 |

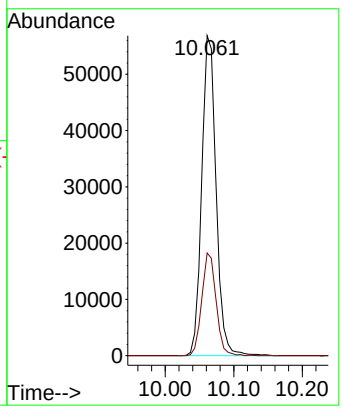





#65
Chlorobenzene
Concen: 21.211 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:112 Resp: 8300

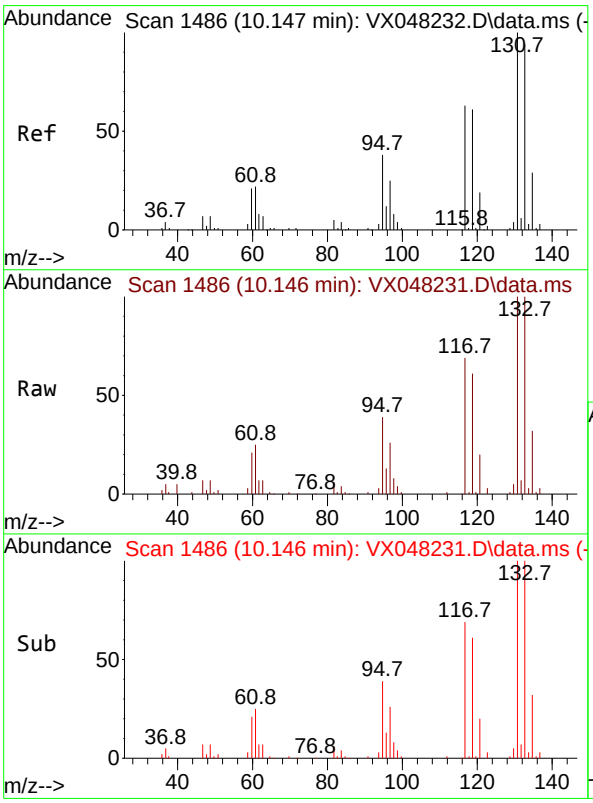
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

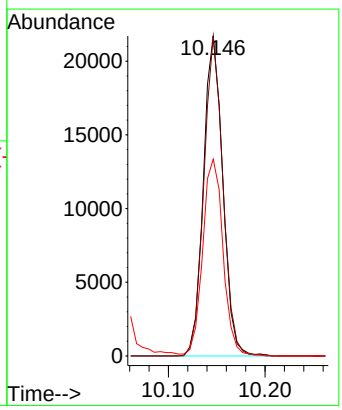
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

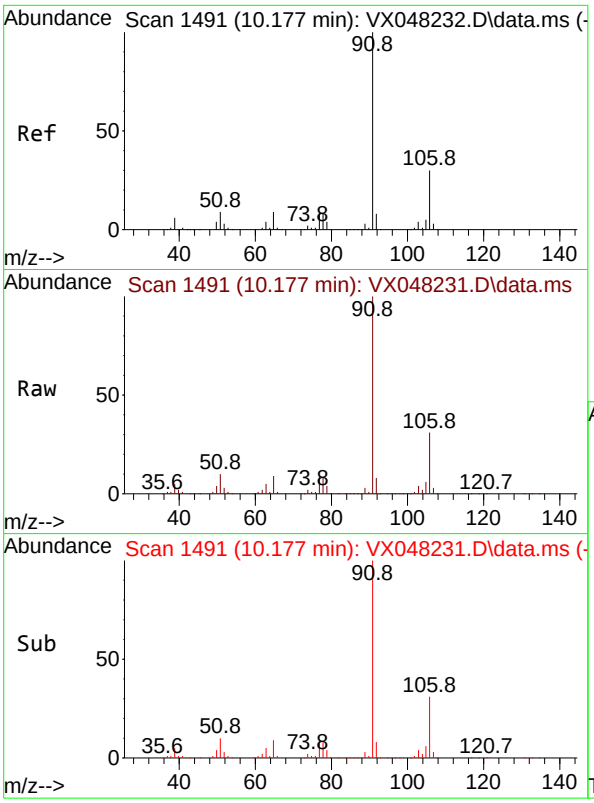



#66
1,1,1,2-Tetrachloroethane
Concen: 21.471 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:131 Resp: 30278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 98.2 | 47.6 | 142.8 |
| 119 | 64.5 | 32.5 | 97.5 |

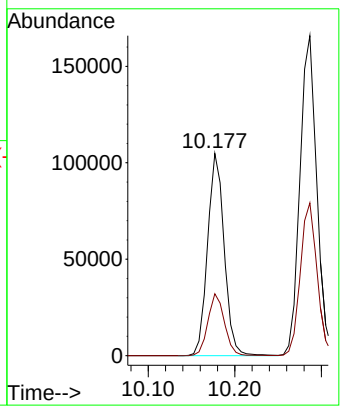





#67
Ethyl Benzene
Concen: 20.852 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 91 Resp: 13989

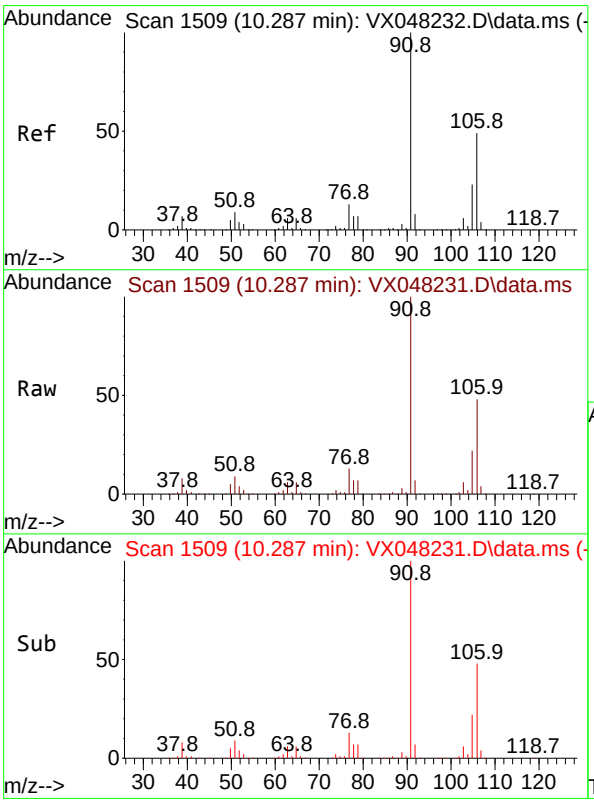
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

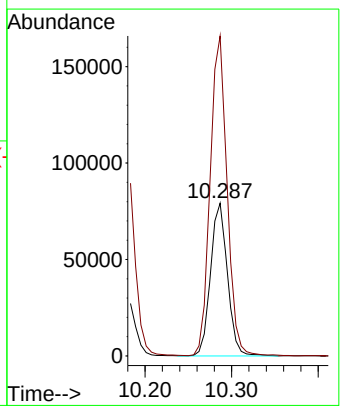
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

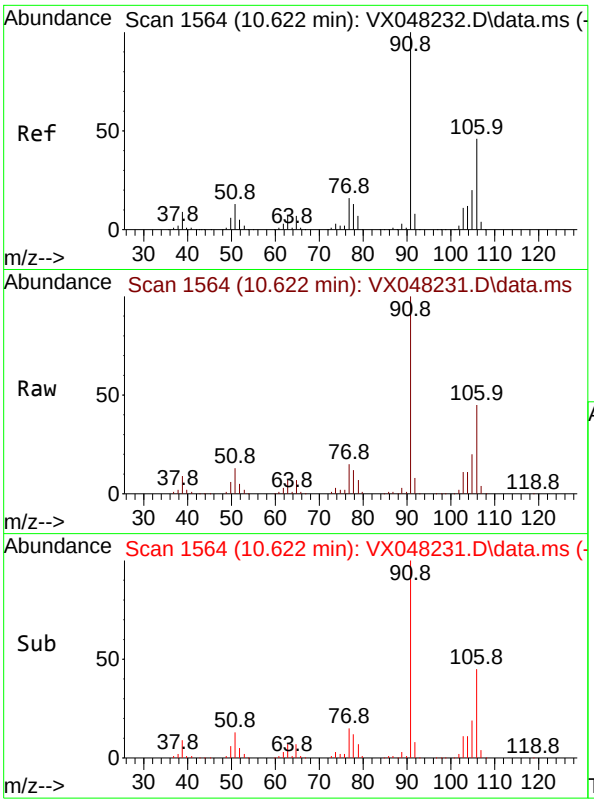



#68
m/p-Xylenes
Concen: 42.962 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:106 Resp: 107377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.9 | 167.9 | 251.9 |

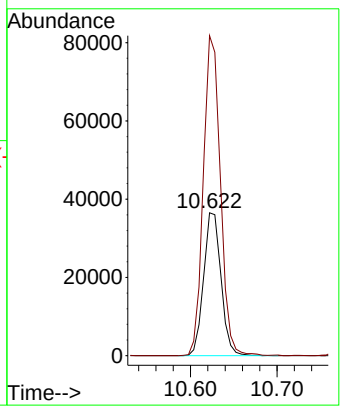





#69
o-Xylene
Concen: 21.655 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:106 Resp: 5095

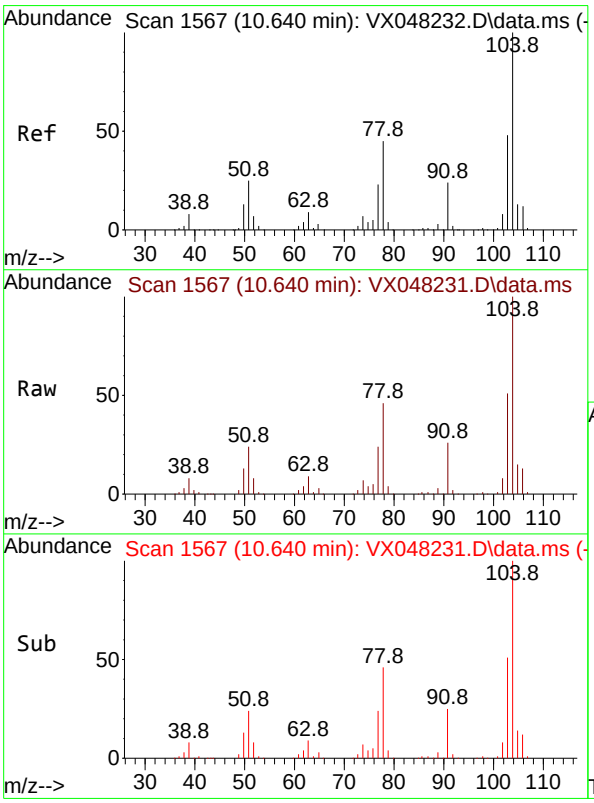
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.1 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

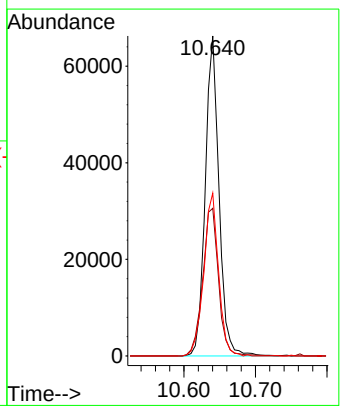
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

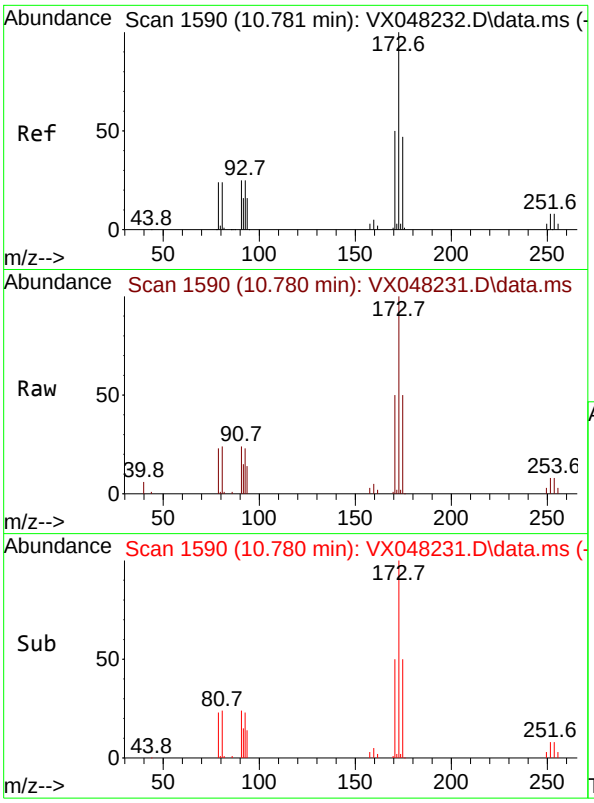



#70
Styrene
Concen: 21.848 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:104 Resp: 88481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.5 | 42.2 | 63.4 |
| 103 | 54.7 | 43.0 | 64.4 |

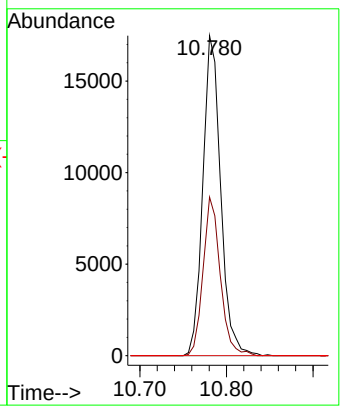





#71
Bromoform
Concen: 24.168 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:173 Resp: 2502

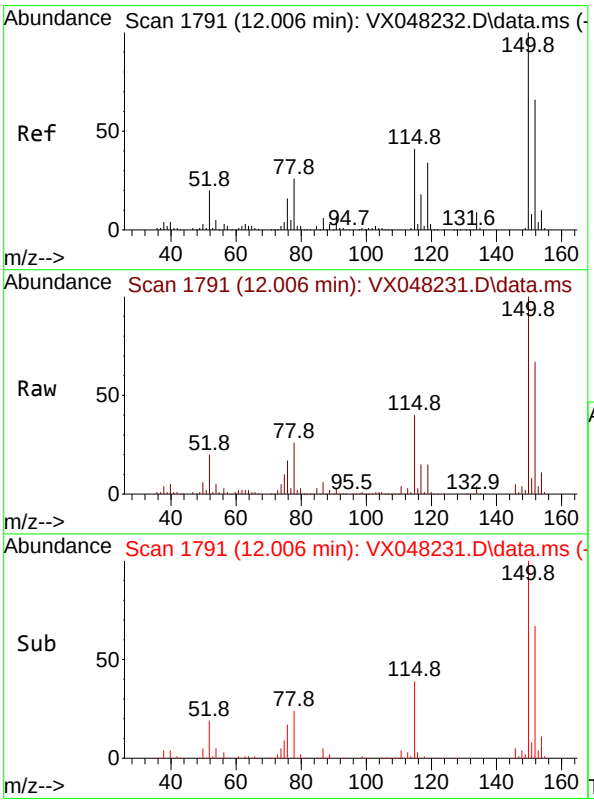
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.8 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

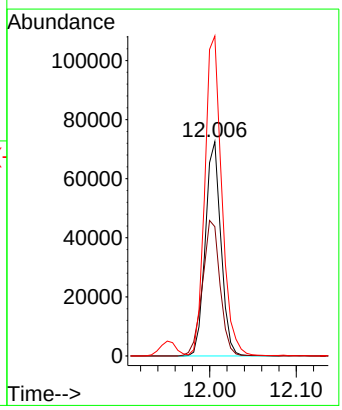
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

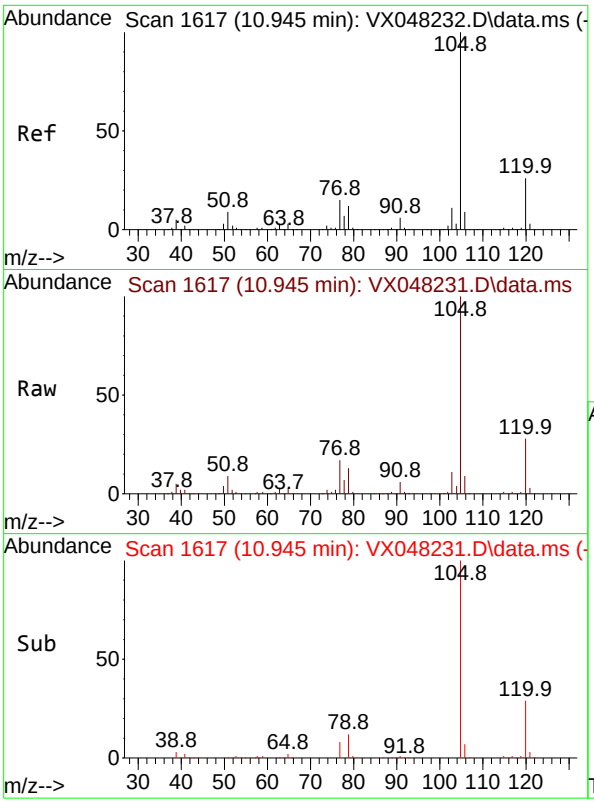



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:152 Resp: 90972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 71.1 | 43.1 | 129.4 |
| 150 | 161.6 | 0.0 | 353.0 |

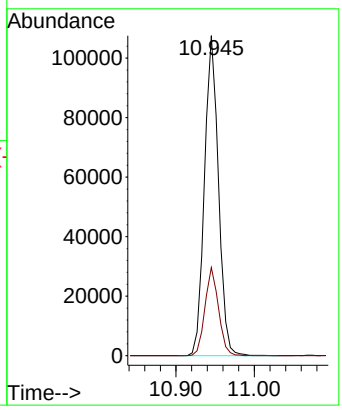





#73
Isopropylbenzene
Concen: 21.025 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:105 Resp: 13303

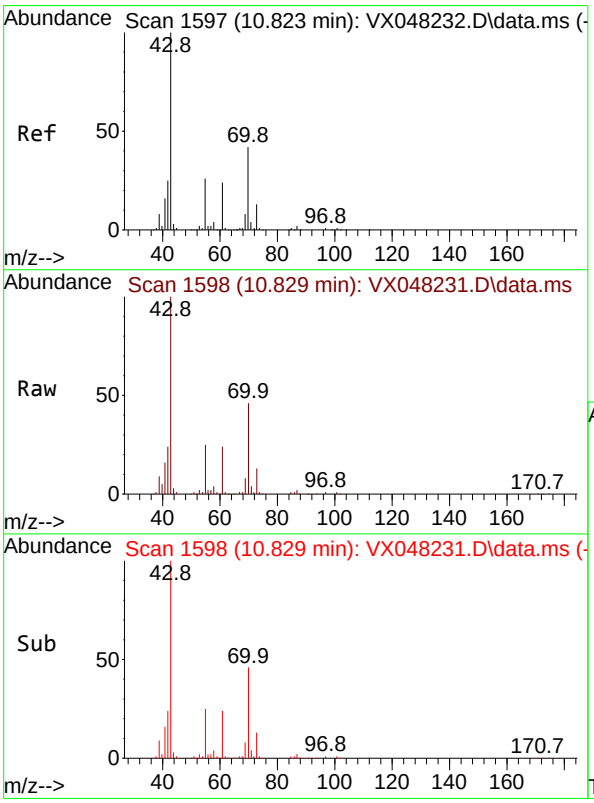
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.6 | 13.0 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

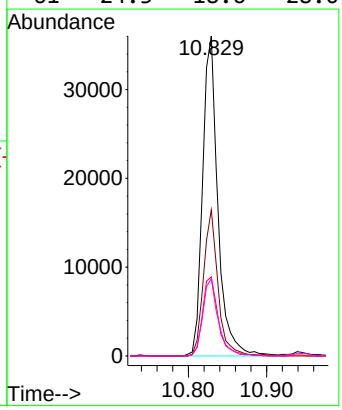
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

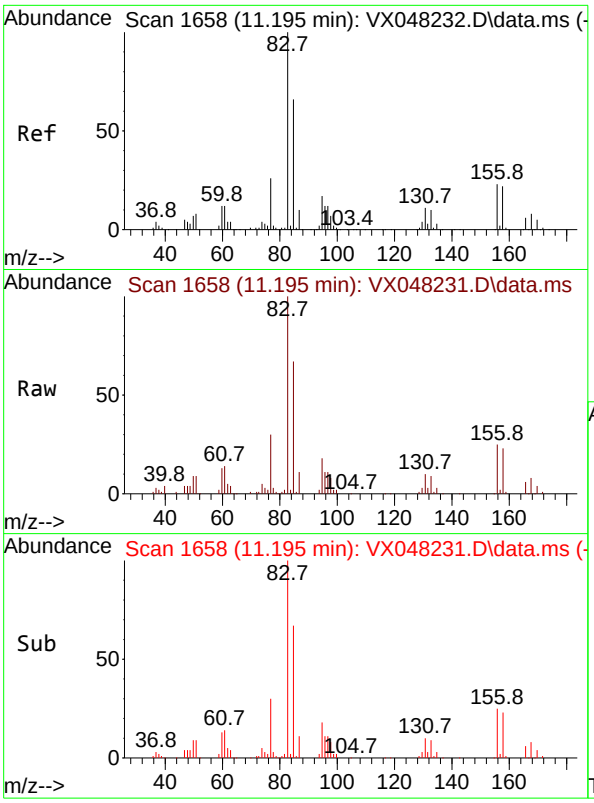



#74
N-amyl acetate
Concen: 20.642 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 48726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 43.4 | 32.2 | 48.2 |
| 55 | 25.5 | 19.1 | 28.7 |
| 61 | 24.3 | 18.6 | 28.0 |

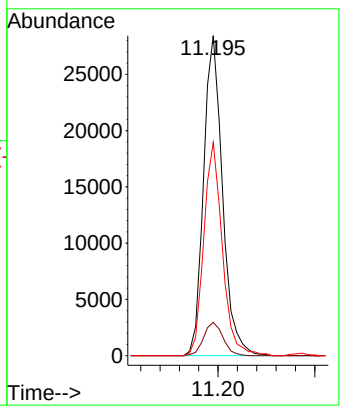





#75
1,1,2,2-Tetrachloroethane
Concen: 21.616 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 83 Resp: 3874

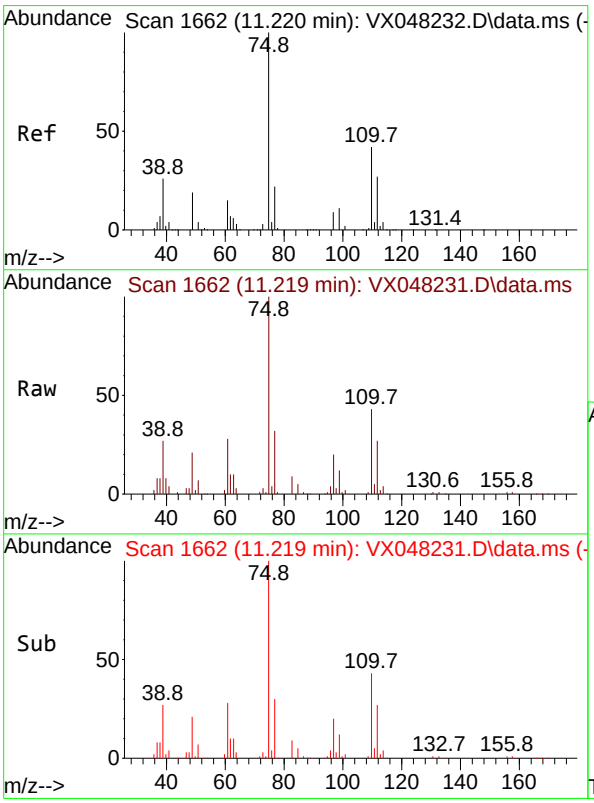
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.6 | 4.8 | 14.4 |
| 85 | 65.2 | 31.9 | 95.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

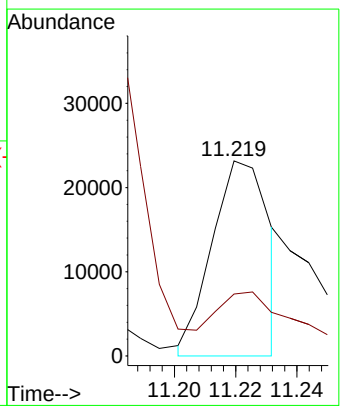
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

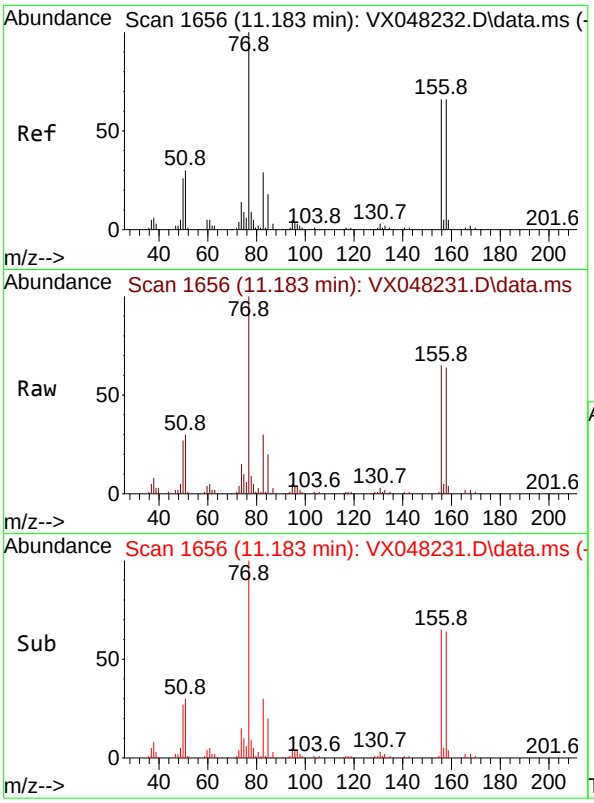



#76
1,2,3-Trichloropropane
Concen: 21.533 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 29913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 46.2 | 22.4 | 67.2 |






#77
Bromobenzene
Concen: 21.374 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

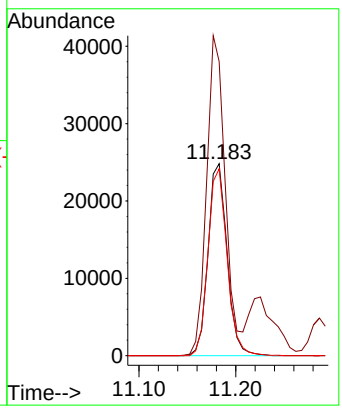
Tgt Ion:156 Resp: 3384

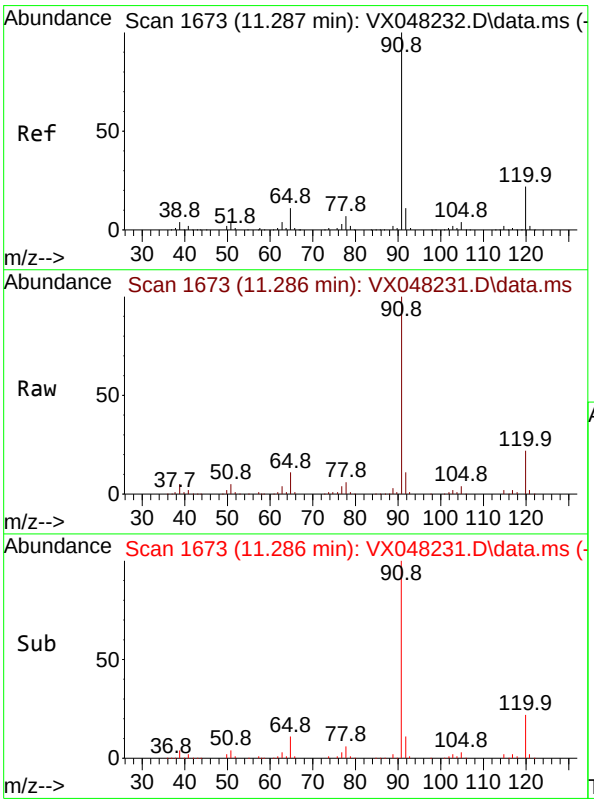
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 164.0 | 87.0 | 261.0 |
| 158 | 97.7 | 47.8 | 143.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

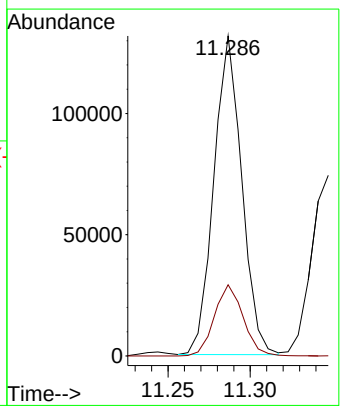


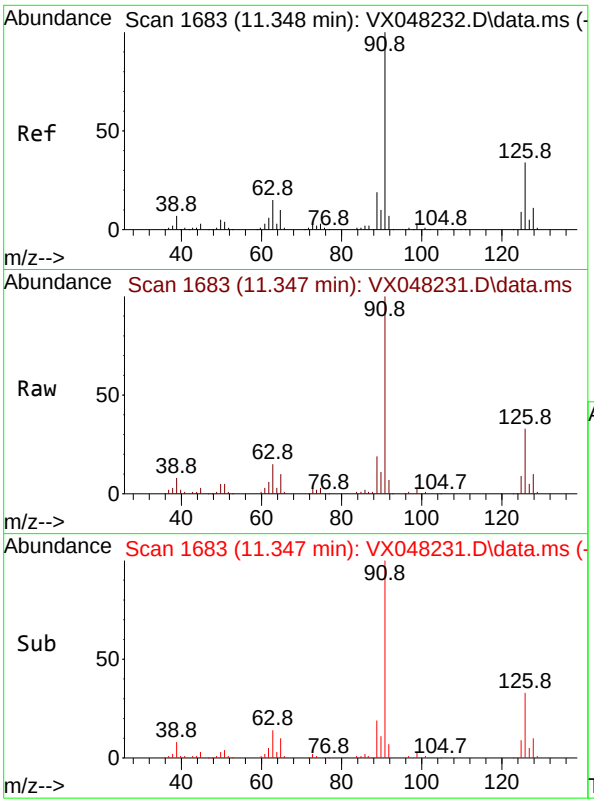




#78
n-propylbenzene
Concen: 20.180 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 91 Resp: 154839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.1 | 11.1 | 33.1 |

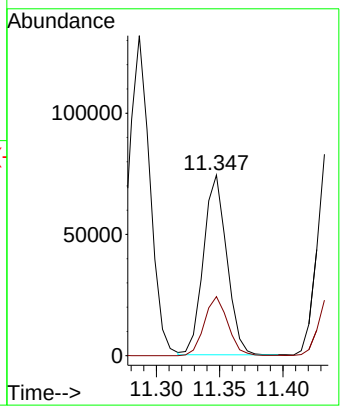





#79
2-Chlorotoluene
Concen: 20.526 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 91 Resp: 9515

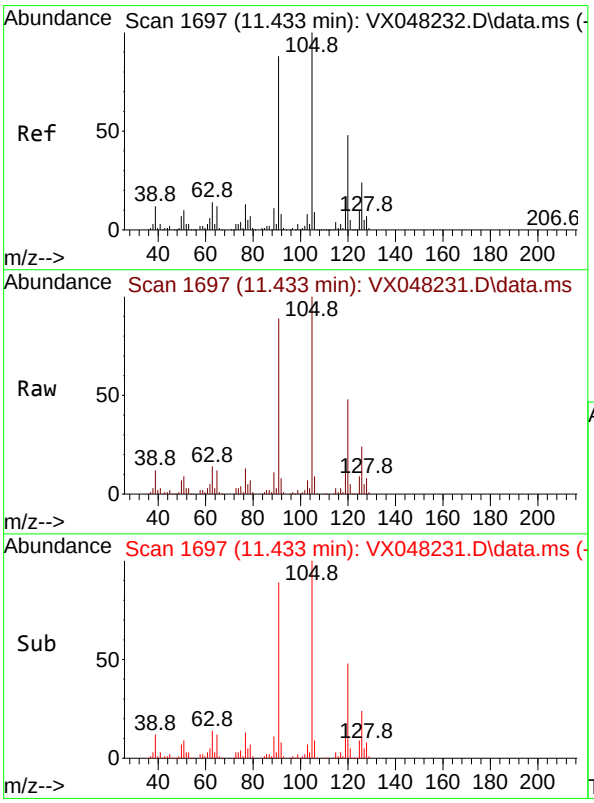
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.4 | 49.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

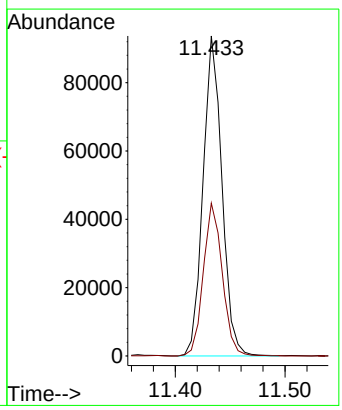
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

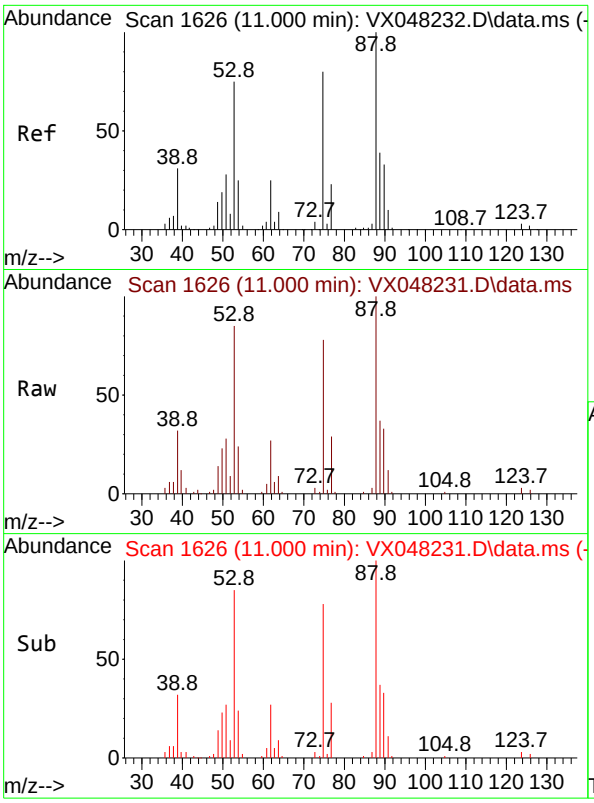



#80
1,3,5-Trimethylbenzene
Concen: 21.575 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:105 Resp: 112057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.9 | 24.0 | 72.0 |

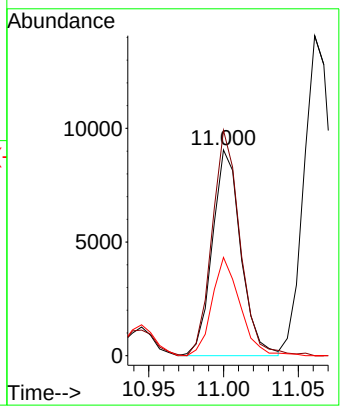





#81
trans-1,4-Dichloro-2-butene
Concen: 21.154 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 1200

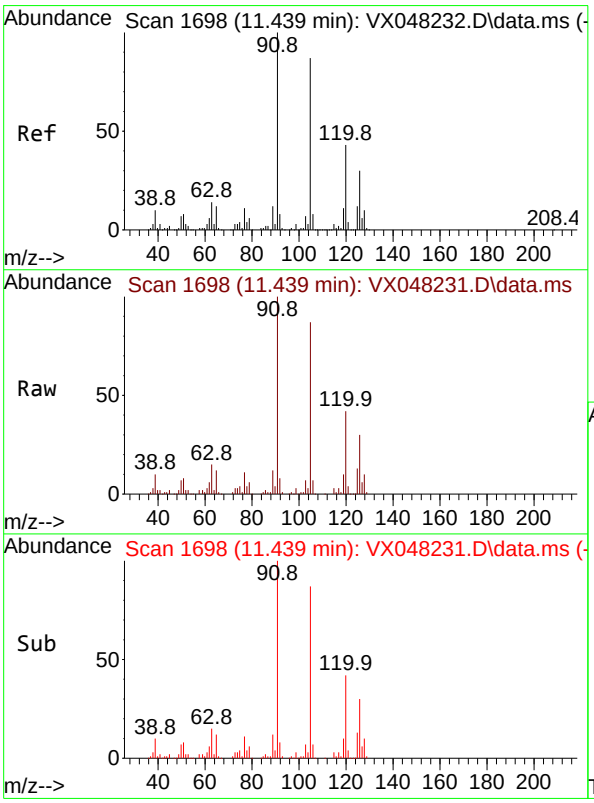
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 107.3 | 79.5 | 119.3 |
| 89 | 46.9 | 36.8 | 55.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

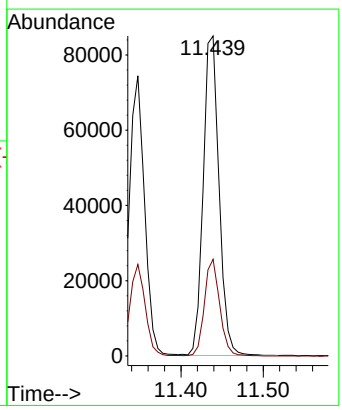
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

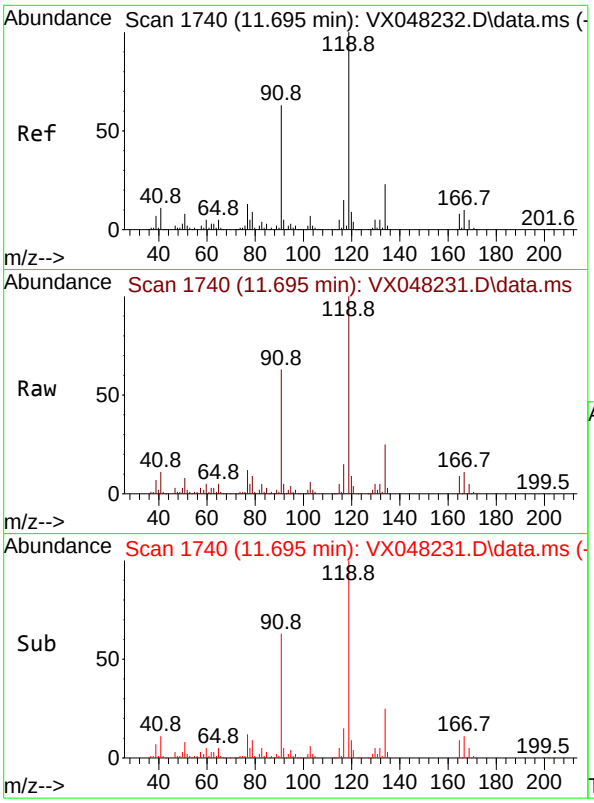



#82
4-Chlorotoluene
Concen: 20.833 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 91 Resp: 113495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.1 | 42.4 |

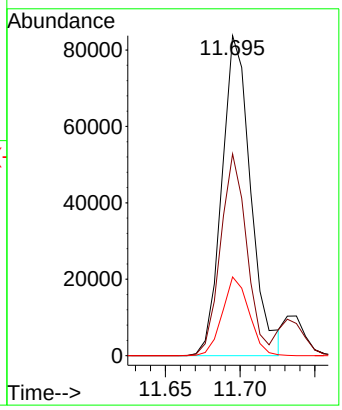





#83
tert-Butylbenzene
Concen: 21.403 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:119 Resp: 11230

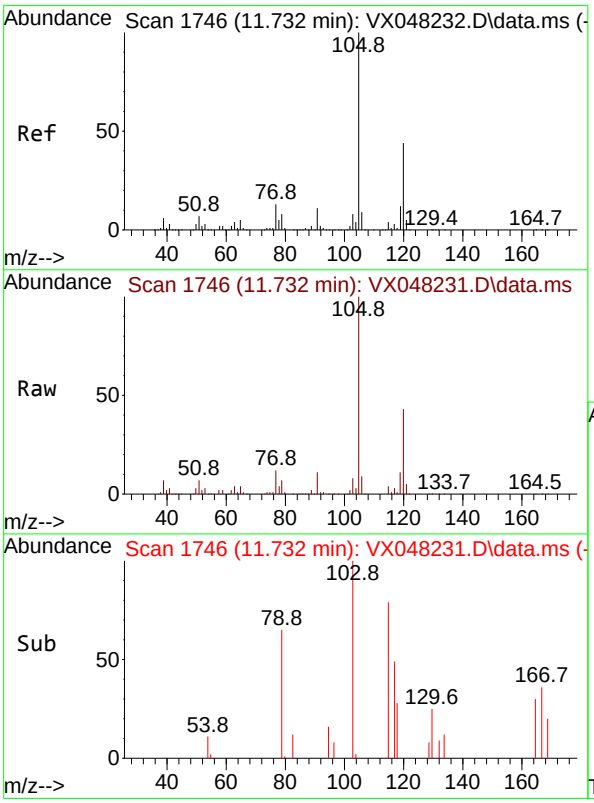
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 57.4 | 30.3 | 91.0 |
| 134 | 22.8 | 11.4 | 34.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

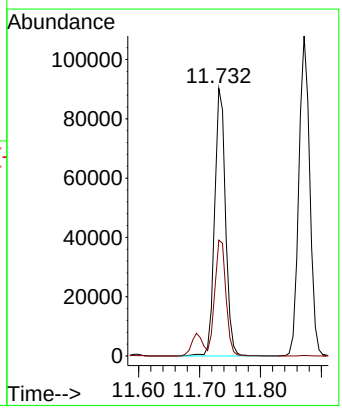
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

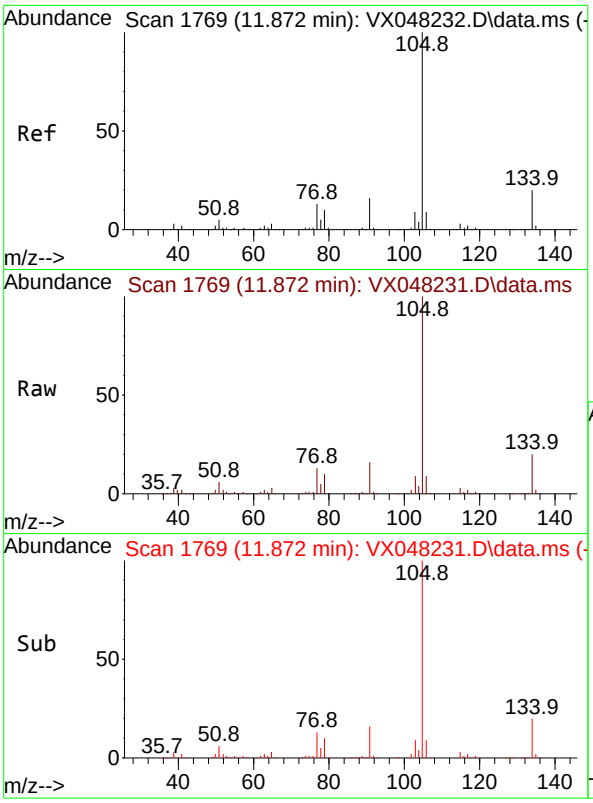



#84
1,2,4-Trimethylbenzene
Concen: 21.652 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:105 Resp: 111976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 22.1 | 66.5 |

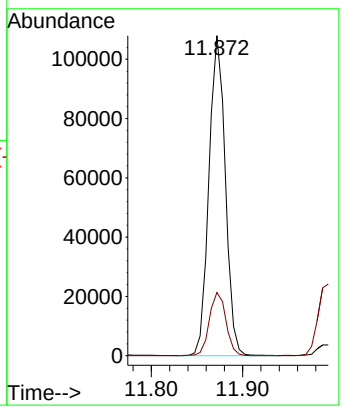





#85
sec-Butylbenzene
Concen: 20.891 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:105 Resp: 13401

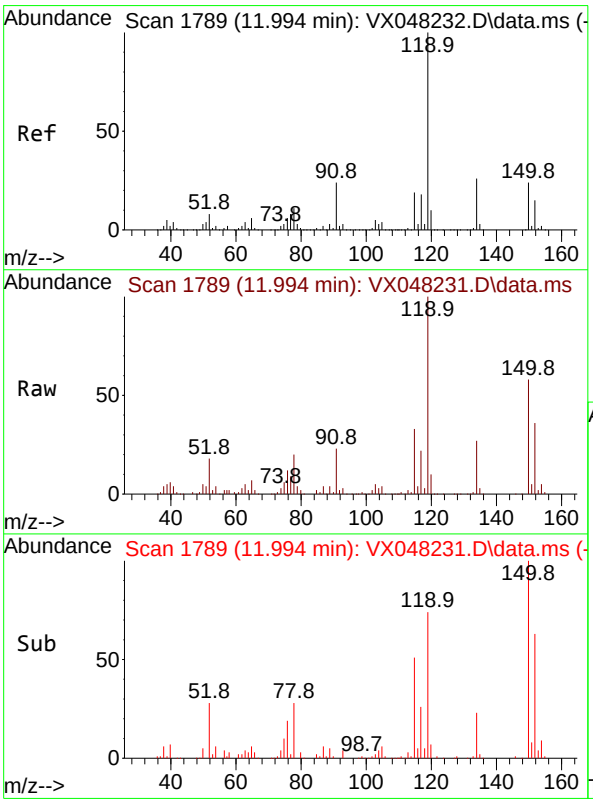
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 10.1 | 30.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

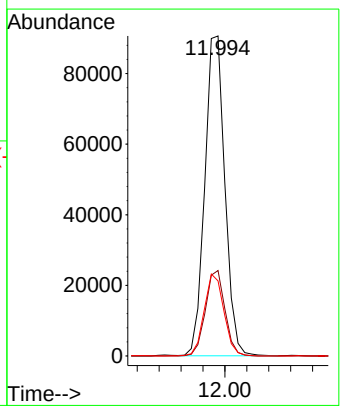
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

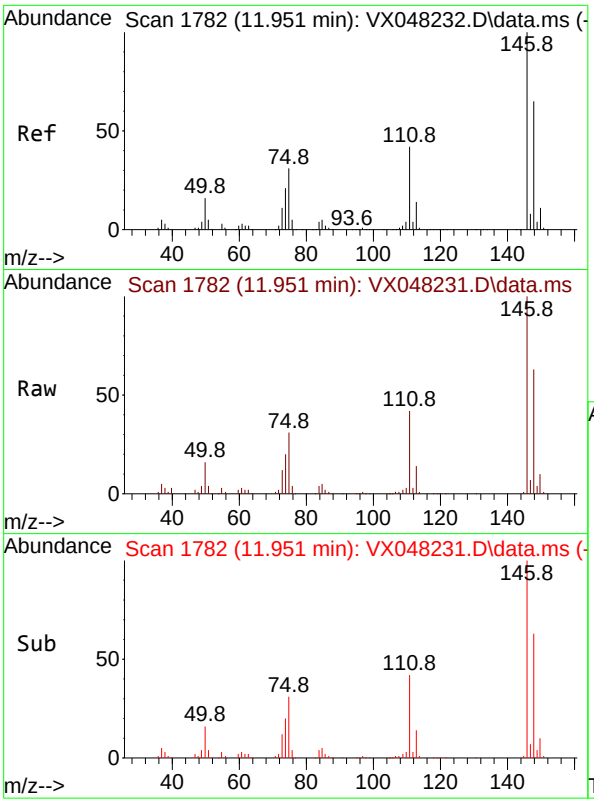



#86
p-Isopropyltoluene
Concen: 21.263 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:119 Resp: 114969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.0 | 39.0 |
| 91 | 25.1 | 12.1 | 36.3 |

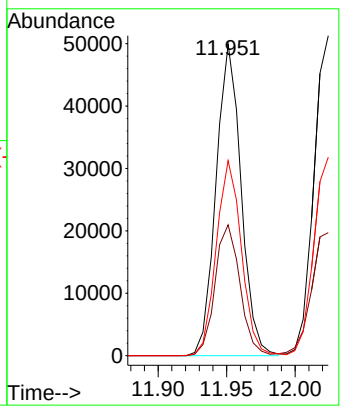





#87
1,3-Dichlorobenzene
Concen: 21.403 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:146 Resp: 6337

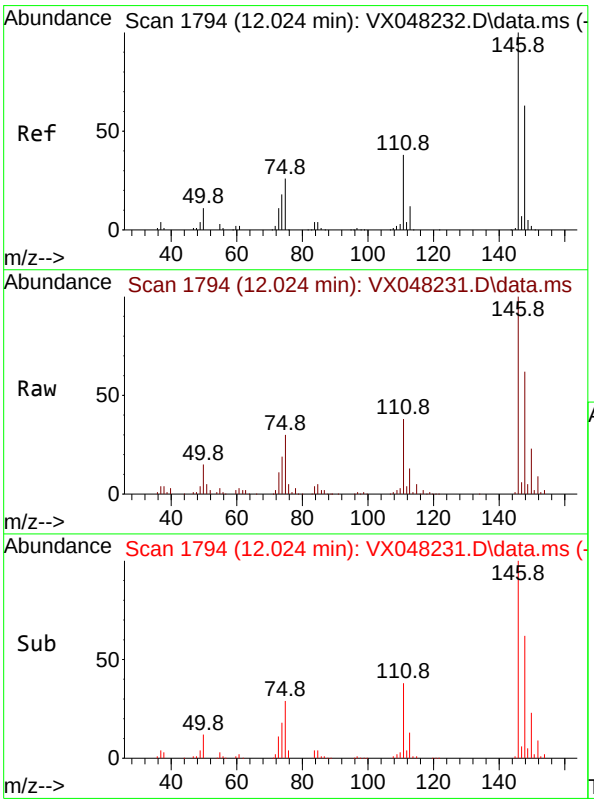
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 20.4 | 61.2 |
| 148 | 63.1 | 31.9 | 95.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

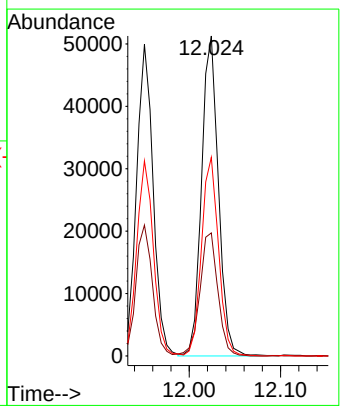
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

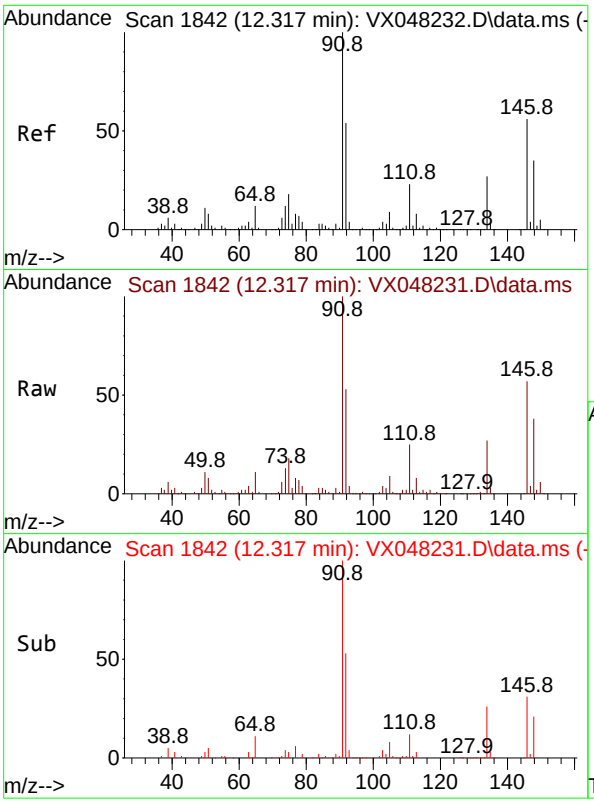



#88
1,4-Dichlorobenzene
Concen: 21.375 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:146 Resp: 65612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.1 | 60.2 |
| 148 | 62.6 | 31.8 | 95.3 |

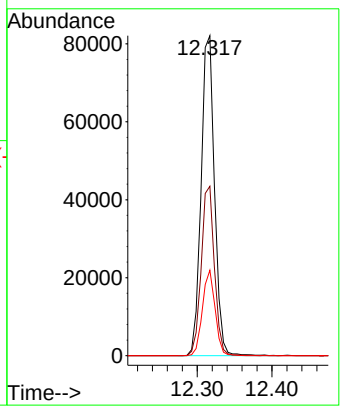





#89
n-Butylbenzene
Concen: 20.281 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 91 Resp: 10214

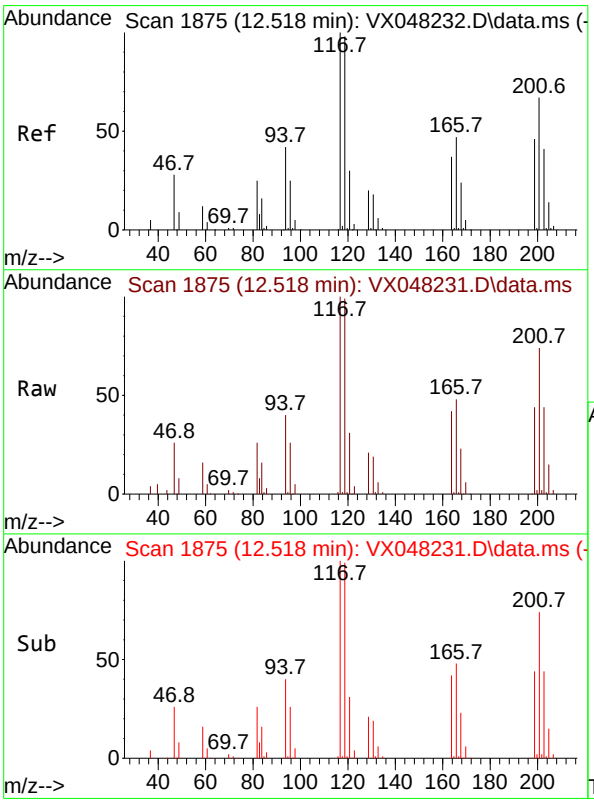
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.3 | 26.9 | 80.6 |
| 134 | 25.2 | 12.7 | 38.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

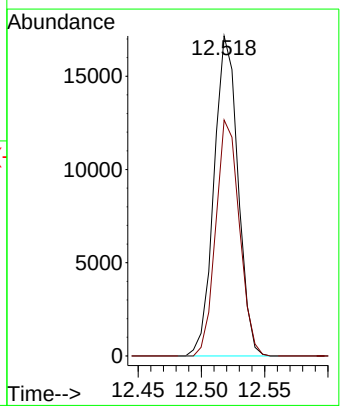
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

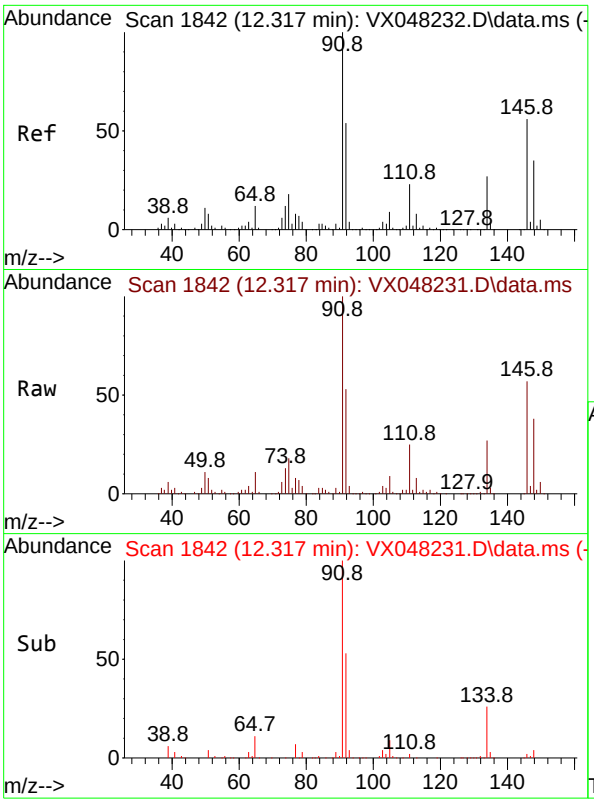



#90
Hexachloroethane
Concen: 19.811 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:117 Resp: 22609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.6 | 34.1 | 102.2 |

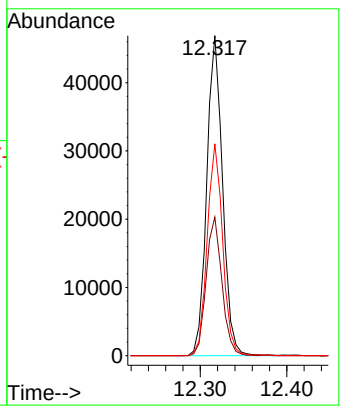





#91
1,2-Dichlorobenzene
Concen: 21.212 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:146 Resp: 5934

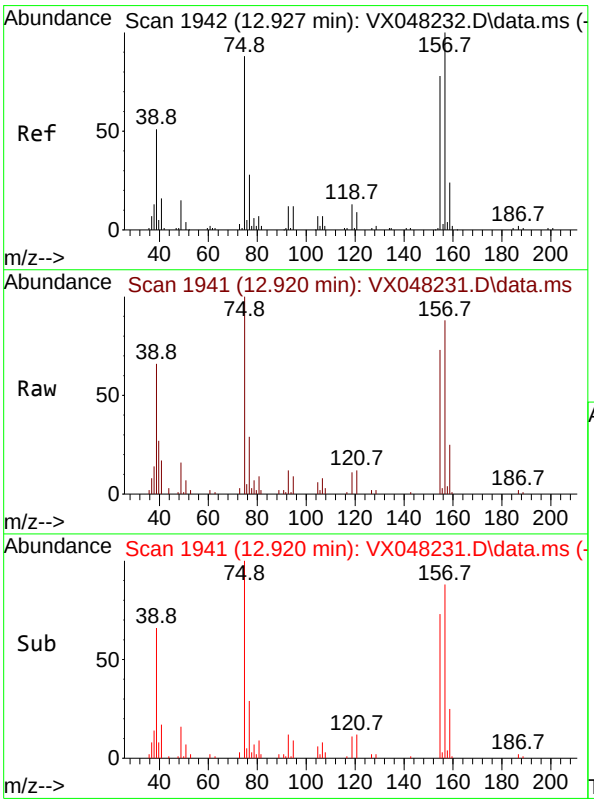
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.2 | 21.9 | 65.5 |
| 148 | 64.9 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

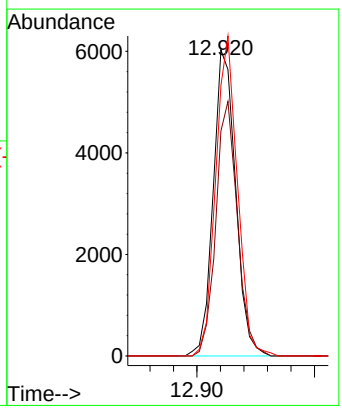
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

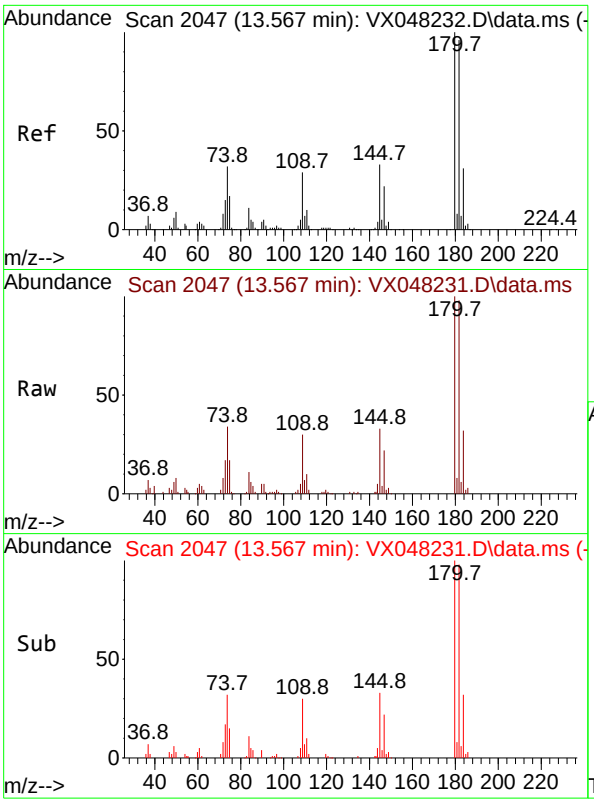



#92
1,2-Dibromo-3-Chloropropane
Concen: 24.372 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 7983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.3 | 42.8 | 128.4 |
| 157 | 101.4 | 54.2 | 162.6 |

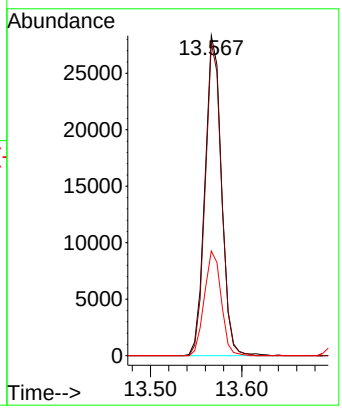





#93
1,2,4-Trichlorobenzene
Concen: 21.473 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:180 Resp: 3546

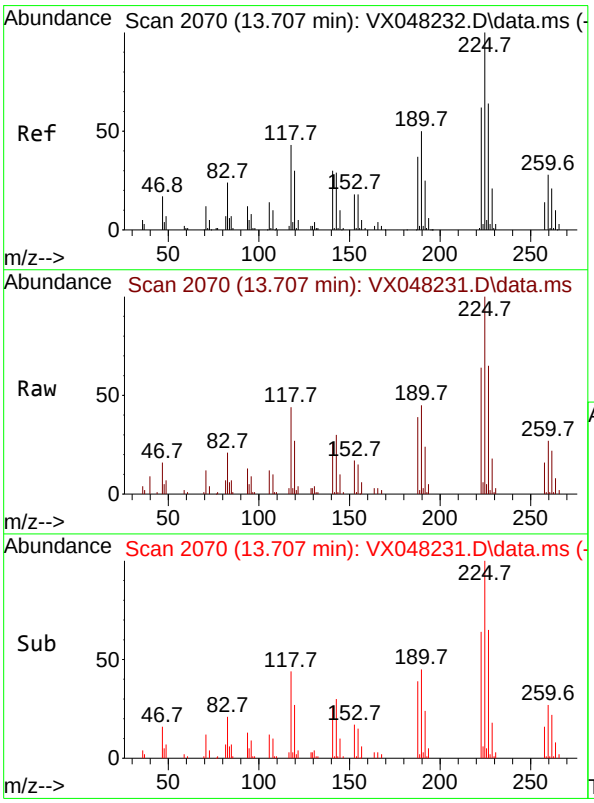
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.3 | 47.3 | 142.0 |
| 145 | 33.2 | 16.3 | 48.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

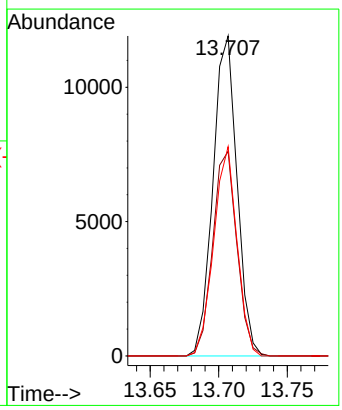
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

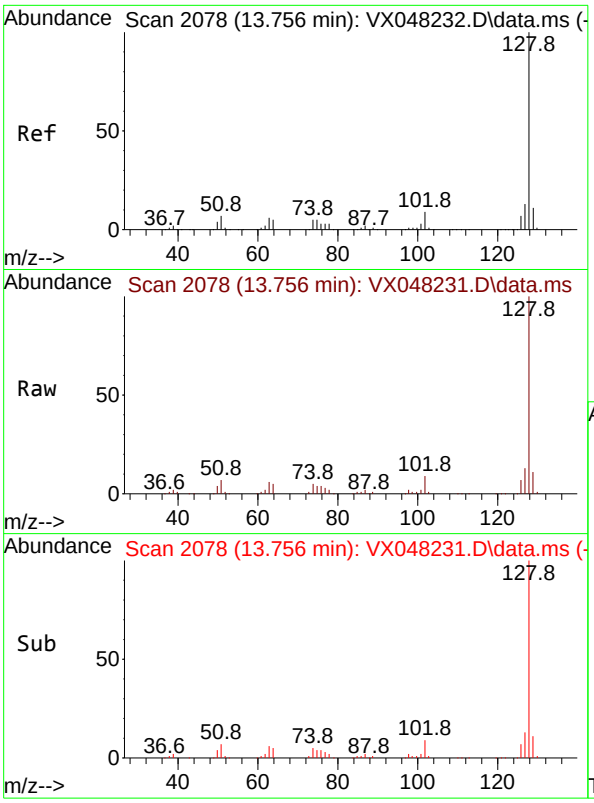



#94
Hexachlorobutadiene
Concen: 22.810 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:225 Resp: 14529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.3 | 32.6 | 97.7 |
| 227 | 63.2 | 32.5 | 97.4 |

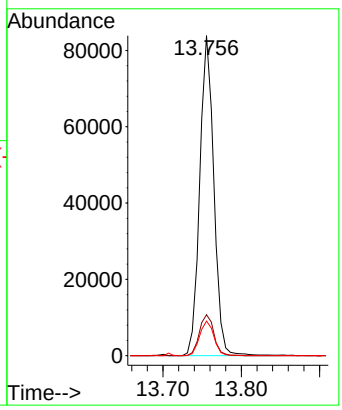





#95
Naphthalene
Concen: 24.073 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:128 Resp: 10480

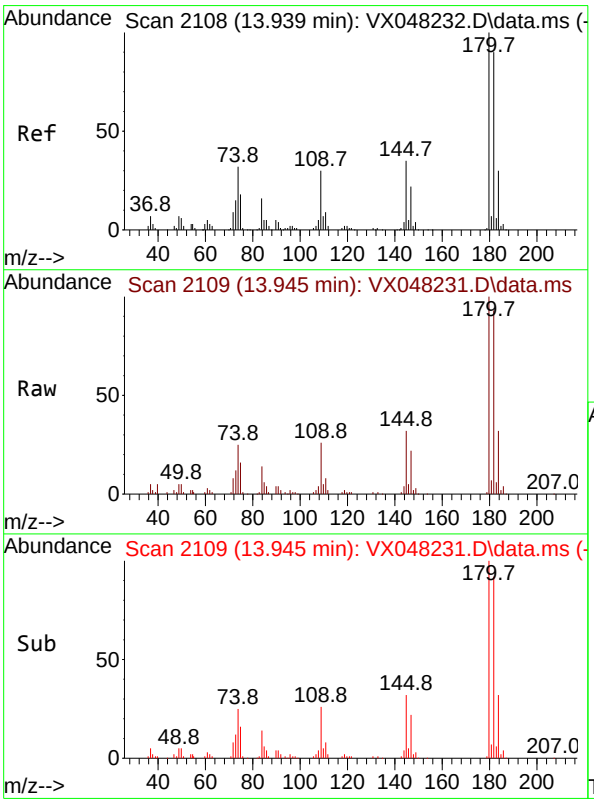
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.2 | 15.4 |
| 129 | 11.0 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

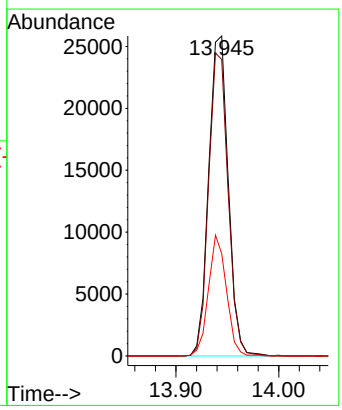
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 22.493 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:180 Resp: 34276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.0 | 46.6 | 139.7 |
| 145 | 34.6 | 16.9 | 50.7 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:35:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 124491 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 201906 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 184494 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 92693 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 84951 | 44.048 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 88.100% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 66593 | 47.523 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.040% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 239295 | 47.402 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 94.800% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 89579 | 48.719 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 97.440% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 60172 | 46.052 | ug/l | 98 |
| 3) Chloromethane | 1.301 | 50 | 55934 | 35.336 | ug/l | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 51819 | 31.067 | ug/l | 99 |
| 5) Bromomethane | 1.618 | 94 | 35101 | 31.646 | ug/l | 98 |
| 6) Chloroethane | 1.697 | 64 | 30718 | 28.940 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 100423 | 38.358 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 27723 | 31.044 | ug/l | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 62391 | 42.290 | ug/l | 95 |
| 10) Methyl Iodide | 2.459 | 142 | 82552 | 46.716 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.947 | 59 | 38534 | 301.123 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 60330 | 41.821 | ug/l | 94 |
| 13) Acrolein | 2.239 | 56 | 40536 | 150.726 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 100234 | 38.627 | ug/l | 97 |
| 15) Acrylonitrile | 3.056 | 53 | 149009 | 243.004 | ug/l | 100 |
| 16) Acetone | 2.374 | 43 | 126003 | 191.520 | ug/l | 100 |
| 17) Carbon Disulfide | 2.514 | 76 | 179492 | 40.440 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 58071 | 43.336 | ug/l | 91 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 212092 | 48.809 | ug/l | 96 |
| 20) Methylene Chloride | 2.788 | 84 | 68663 | 42.841 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 66608 | 44.631 | ug/l | 96 |
| 22) Diisopropyl ether | 3.757 | 45 | 206901 | 40.720 | ug/l | 91 |
| 23) Vinyl Acetate | 3.715 | 43 | 839370 | 220.927 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 121657 | 42.204 | ug/l | 99 |
| 25) 2-Butanone | 4.544 | 43 | 175075 | 228.411 | ug/l | 93 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 109062 | 44.264 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 77911 | 43.988 | ug/l | 98 |
| 28) Bromochloromethane | 4.885 | 49 | 54919 | 41.331 | ug/l | 85 |
| 29) Tetrahydrofuran | 4.989 | 42 | 106381 | 236.335 | ug/l | 93 |
| 30) Chloroform | 5.087 | 83 | 130274 | 42.925 | ug/l | 96 |
| 31) Cyclohexane | 5.465 | 56 | 102251 | 43.351 | ug/l | 92 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 121090 | 48.560 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 87493 | 44.323 | ug/l | 98 |
| 37) Ethyl Acetate | 4.702 | 43 | 74261 | 47.073 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 111708 | 49.302 | ug/l | 98 |
| 39) Methylcyclohexane | 7.367 | 83 | 109077 | 49.008 | ug/l | 94 |
| 40) Benzene | 6.025 | 78 | 262745 | 44.825 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 20 12:35:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.904 | 41 | 41293 | 48.874 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 100937 | 48.064 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 128290 | 48.444 | ug/l | | 96 |
| 44) Trichloroethene | 7.111 | 130 | 70313 | 47.597 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 64895 | 43.746 | ug/l | | 99 |
| 46) Dibromomethane | 7.568 | 93 | 49874 | 46.726 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.806 | 83 | 108671 | 47.107 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.678 | 41 | 65057 | 47.990 | ug/l | | 94 |
| 49) 1,4-Dioxane | 7.647 | 88 | 17905 | 1467.288 | ug/l | | 90 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 380665 | 258.320 | ug/l | | 95 |
| 52) Toluene | 8.702 | 92 | 173942 | 49.373 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 109960 | 50.880 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 115534 | 49.046 | ug/l | | 93 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 64737 | 49.248 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.104 | 69 | 98851 | 55.290 | ug/l | | 94 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 110709 | 48.206 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 262387 | 285.817 | ug/l | | 95 |
| 59) 2-Hexanone | 9.415 | 43 | 269143 | 261.113 | ug/l | | 96 |
| 60) Dibromochloromethane | 9.506 | 129 | 85760 | 52.123 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 69022 | 51.208 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.257 | 164 | 60510 | 46.776 | ug/l | | 96 |
| 65) Chlorobenzene | 10.061 | 112 | 192841 | 47.805 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 71930 | 49.482 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 336660 | 48.680 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 253662 | 98.455 | ug/l | | 100 |
| 69) o-Xylene | 10.622 | 106 | 122582 | 50.542 | ug/l | | 98 |
| 70) Styrene | 10.640 | 104 | 210861 | 50.508 | ug/l | | 100 |
| 71) Bromoform | 10.781 | 173 | 56874 | 53.279 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 317974 | 49.321 | ug/l | | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 115683 | 48.098 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 87705 | 48.020 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 68104m | 48.115 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 79543 | 49.303 | ug/l | | 94 |
| 78) n-propylbenzene | 11.287 | 91 | 372312 | 47.621 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 222217 | 47.045 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 265174 | 50.108 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 29295 | 50.678 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 267236 | 48.142 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.695 | 119 | 270202 | 50.539 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 265485 | 50.381 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 322219 | 49.298 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 276821 | 50.246 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 143699 | 47.627 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 146196 | 46.744 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 243063 | 47.367 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 52735 | 45.350 | ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 138489 | 48.582 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.927 | 75 | 18059 | 54.111 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 88920 | 52.839 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 34615 | 53.334 | ug/l | | 97 |
| 95) Naphthalene | 13.756 | 128 | 257281 | 57.999 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 84279 | 54.281 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:35:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

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

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

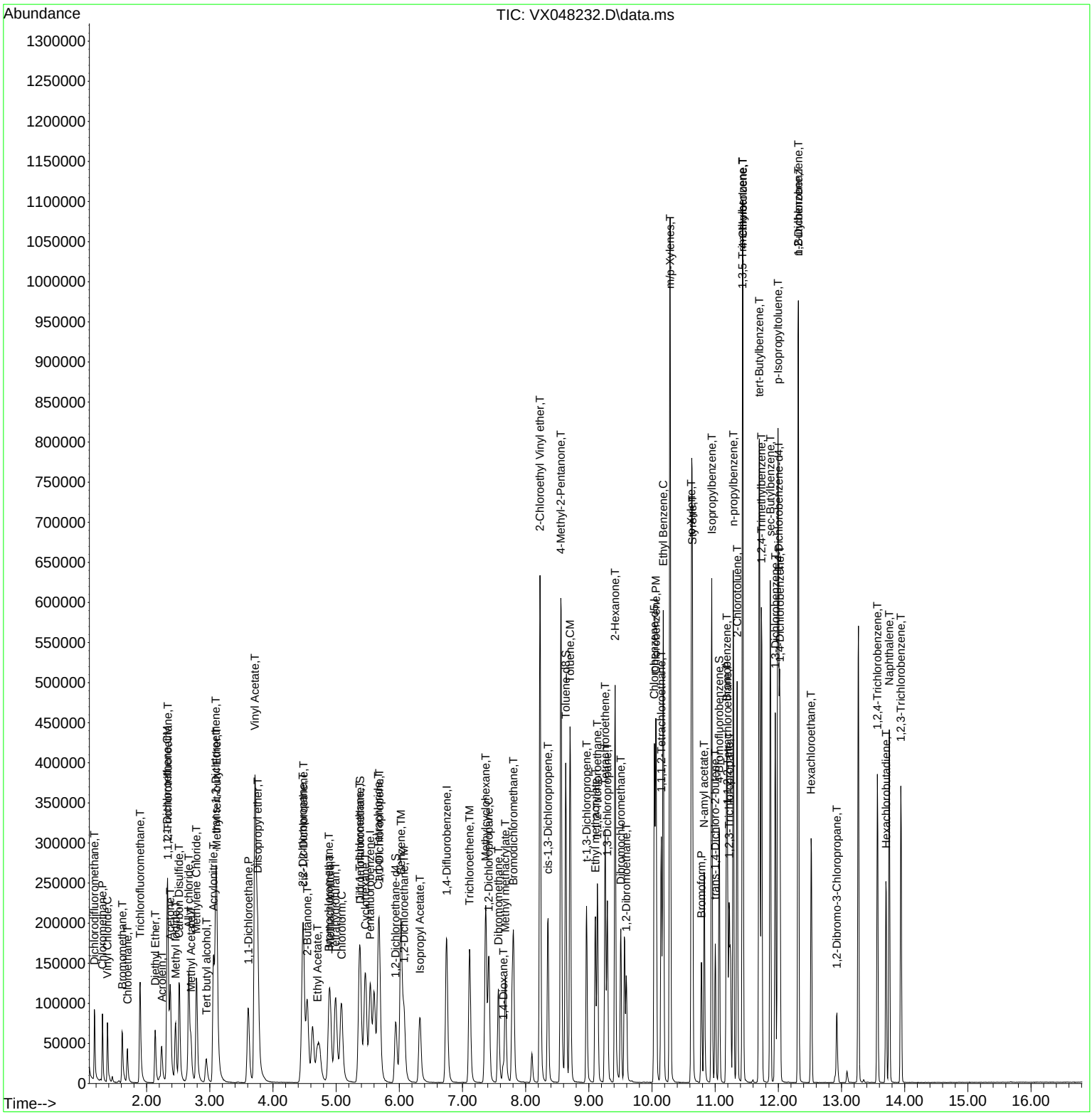
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

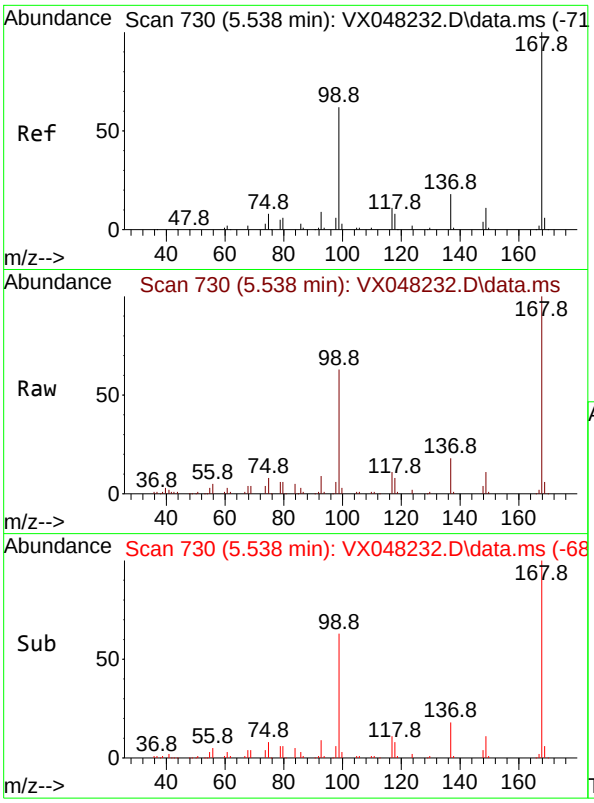
Quant Time: Oct 20 12:35:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

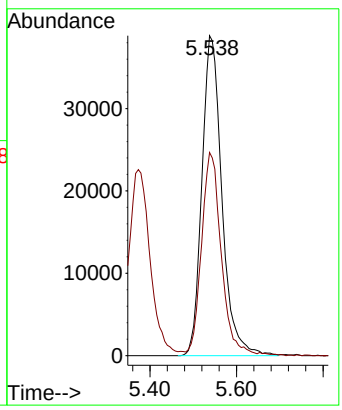





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:168 Resp: 12449

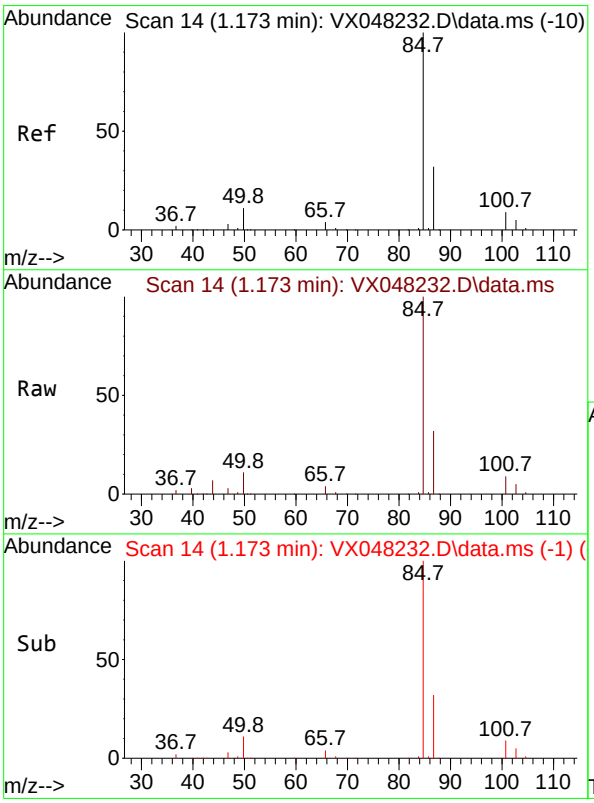
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.3 | 46.4 | 69.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

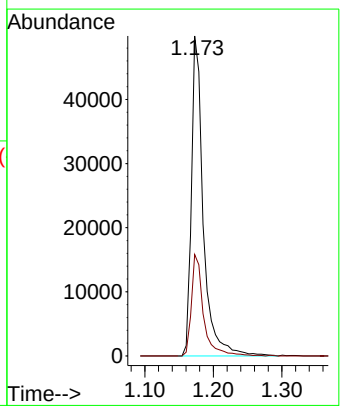
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

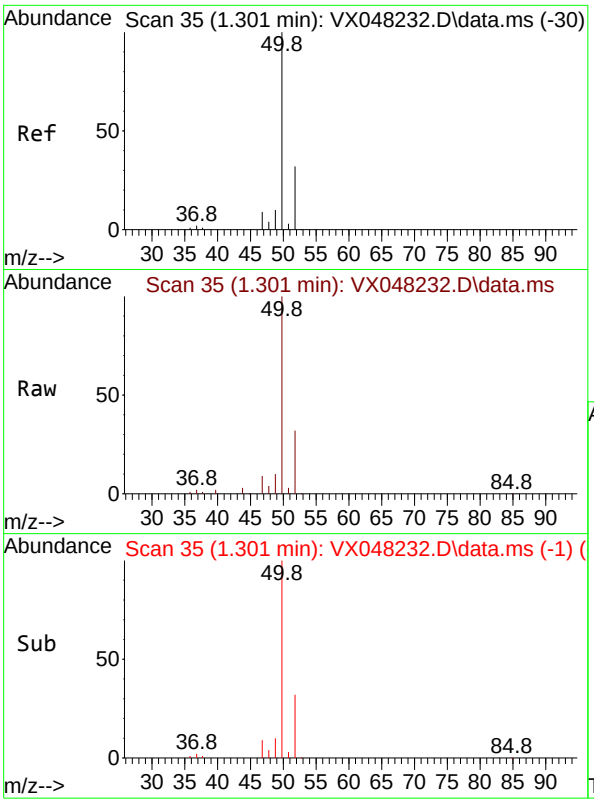



#2
Dichlorodifluoromethane
Concen: 46.052 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 85 Resp: 60172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 15.3 | 45.9 |

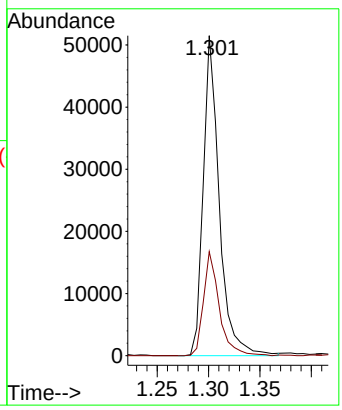





#3
Chloromethane
Concen: 35.336 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 50 Resp: 5593

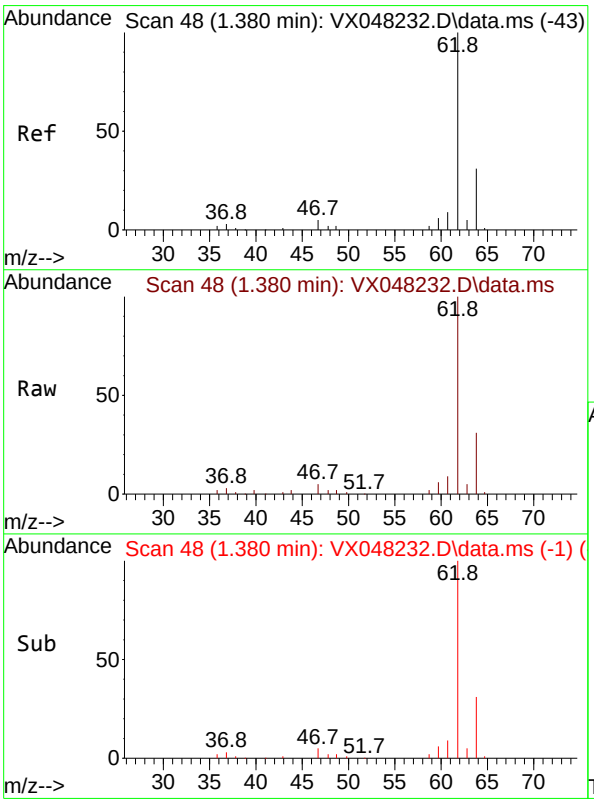
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

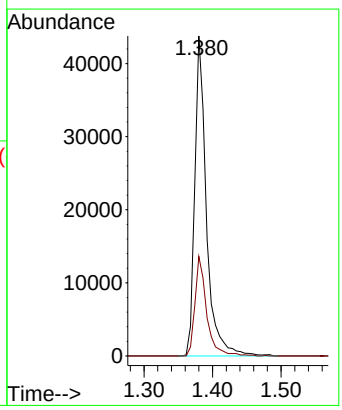
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

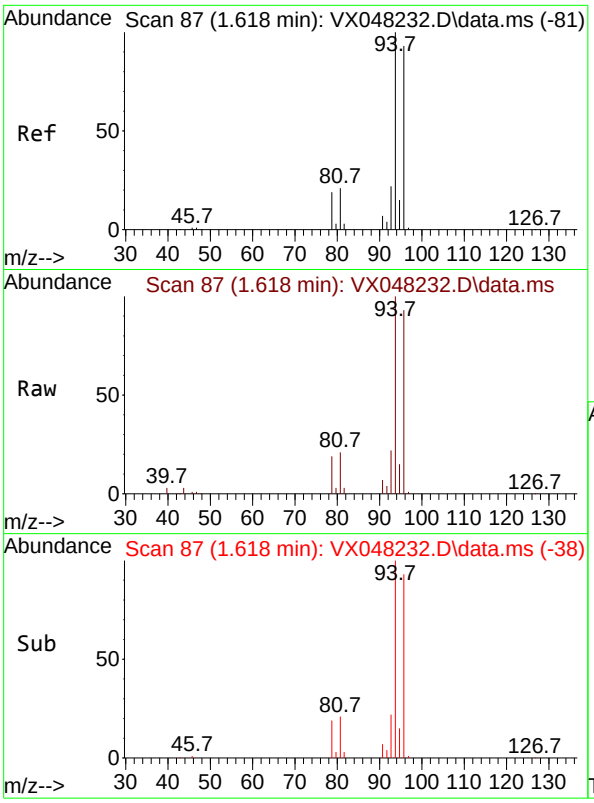



#4
Vinyl Chloride
Concen: 31.067 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 62 Resp: 51819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 25.1 | 37.7 |

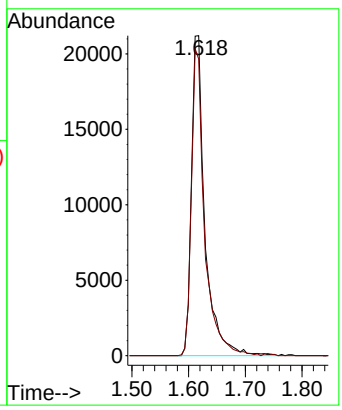





#5
Bromomethane
Concen: 31.646 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 94 Resp: 3510

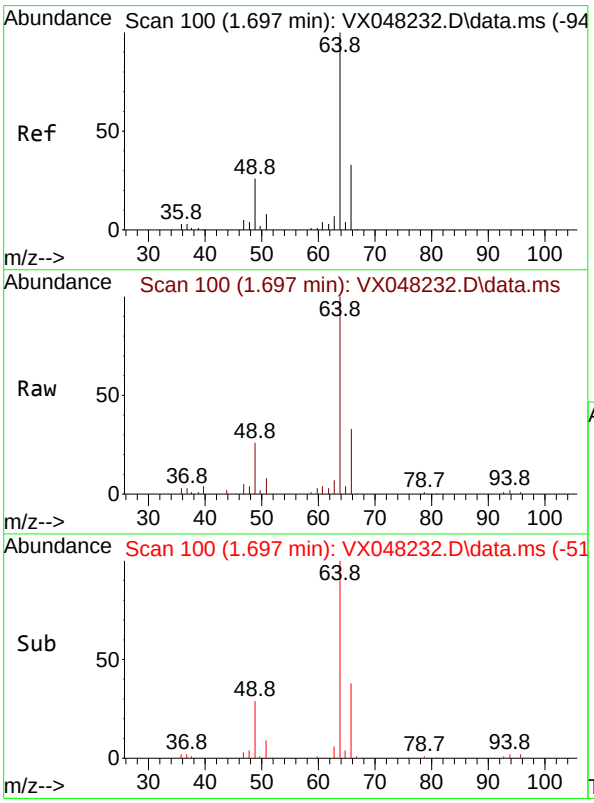
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.7 | 76.0 | 114.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

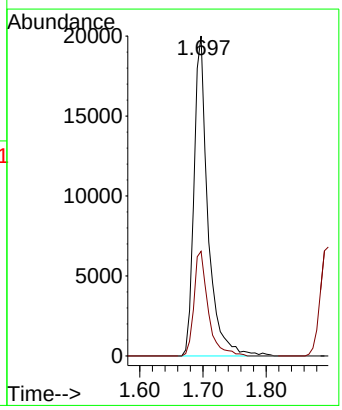
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

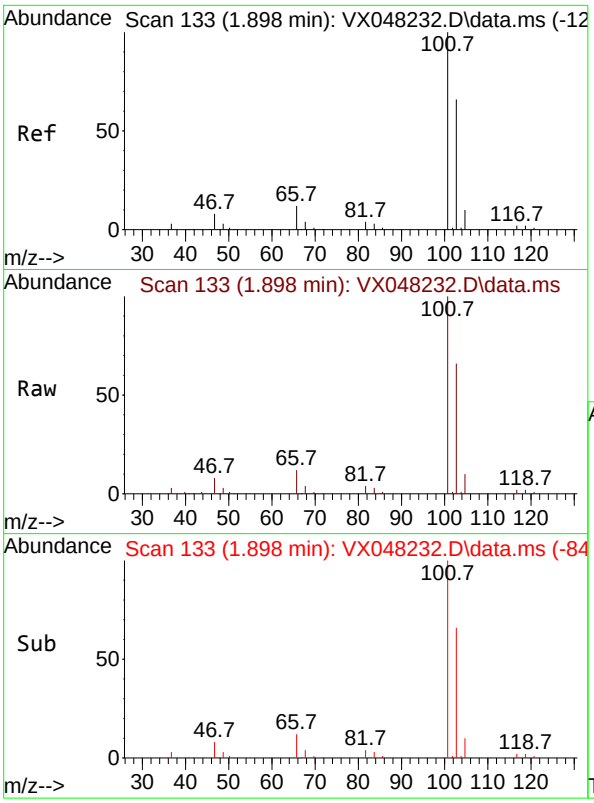



#6
Chloroethane
Concen: 28.940 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 64 Resp: 30718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.7 | 23.9 | 35.9 |

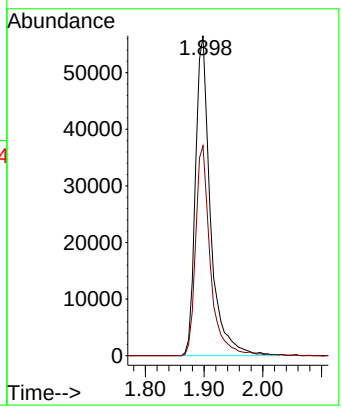





#7
Trichlorofluoromethane
Concen: 38.358 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:101 Resp: 10042

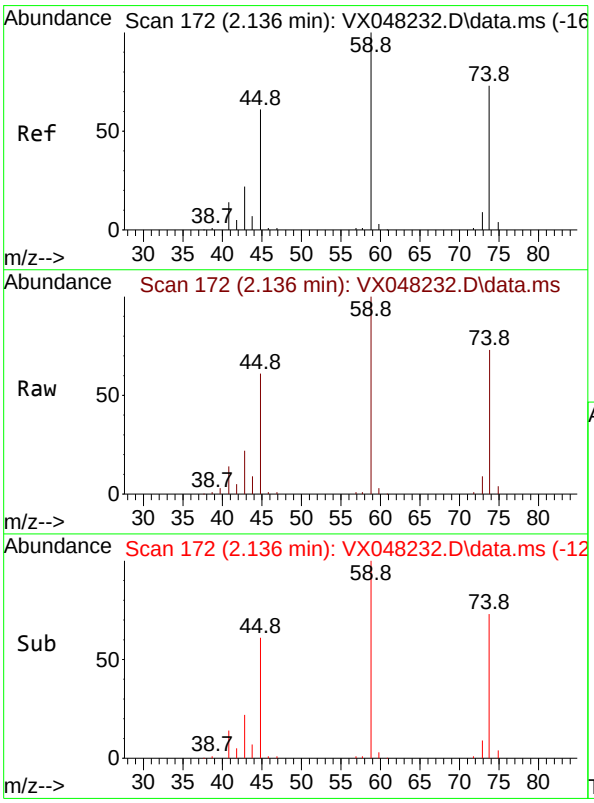
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.6 | 51.6 | 77.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

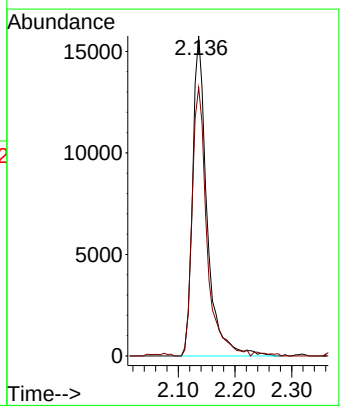
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

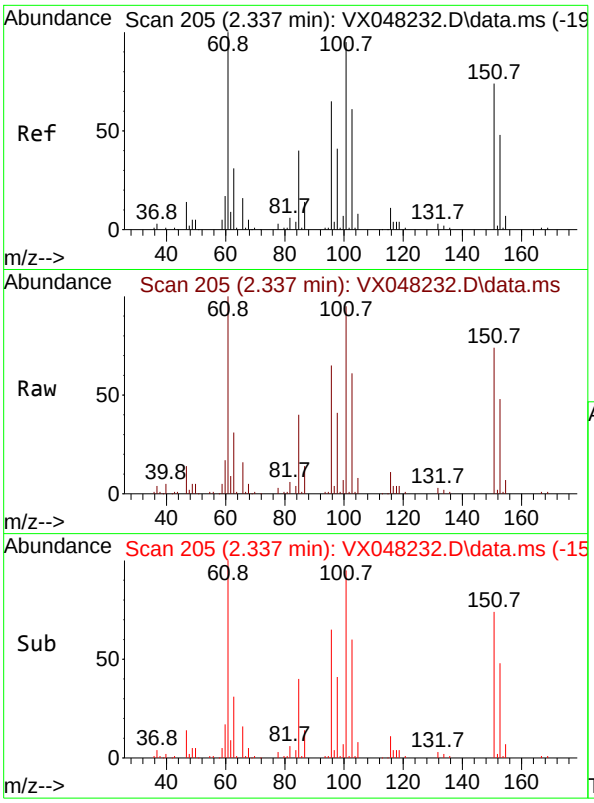



#8
Diethyl Ether
Concen: 31.044 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 74 Resp: 27723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 86.5 | 50.0 | 149.8 |

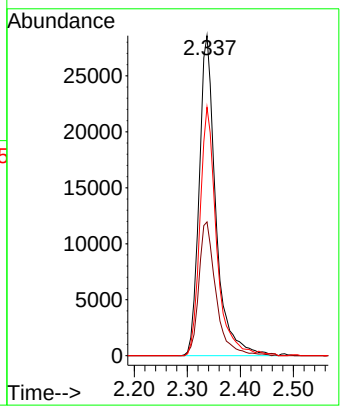





#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.290 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:101 Resp: 6239

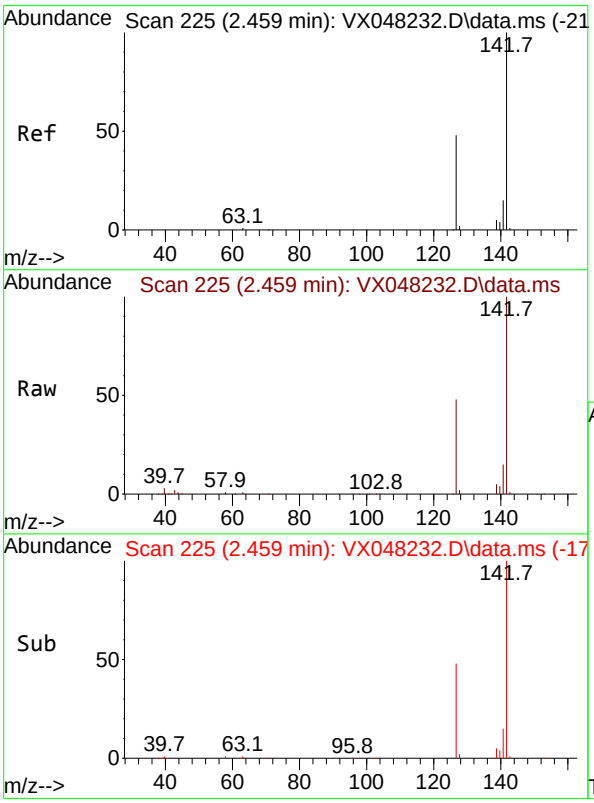
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.2 | 35.6 | 53.4 |
| 151 | 77.9 | 58.0 | 87.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

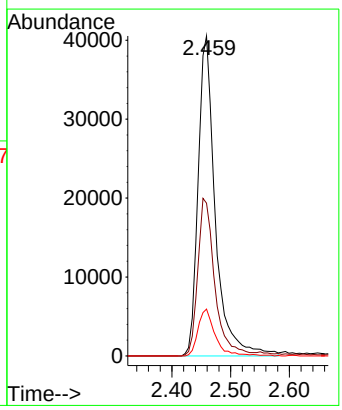
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

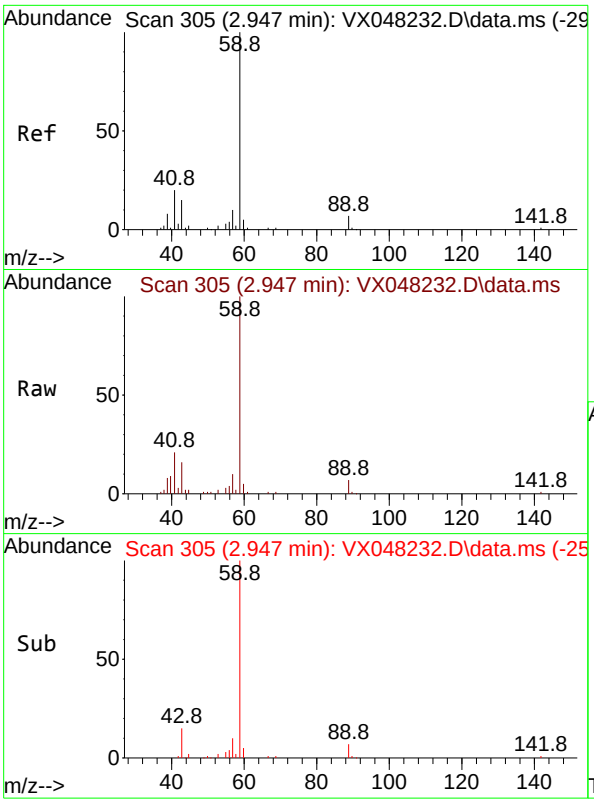



#10
Methyl Iodide
Concen: 46.716 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:142 Resp: 82552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.9 | 38.5 | 57.7 |
| 141 | 14.7 | 11.6 | 17.4 |

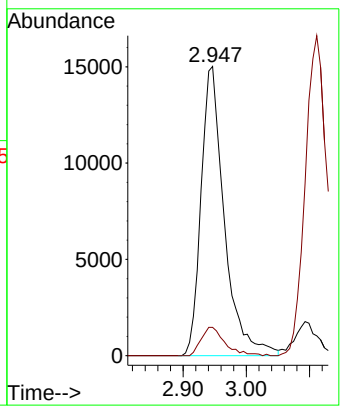





#11
Tert butyl alcohol
Concen: 301.123 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 59 Resp: 3853

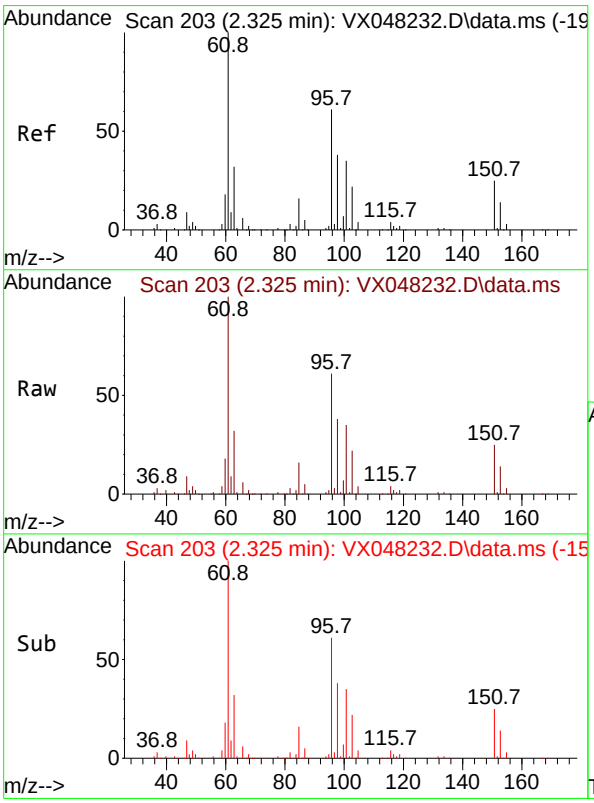
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.1 | 8.2 | 12.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

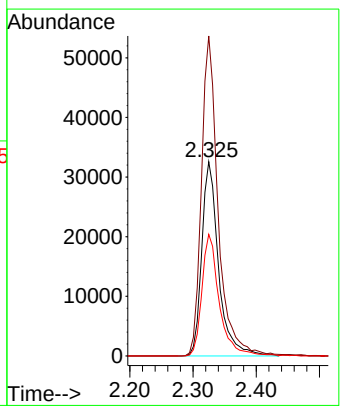
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

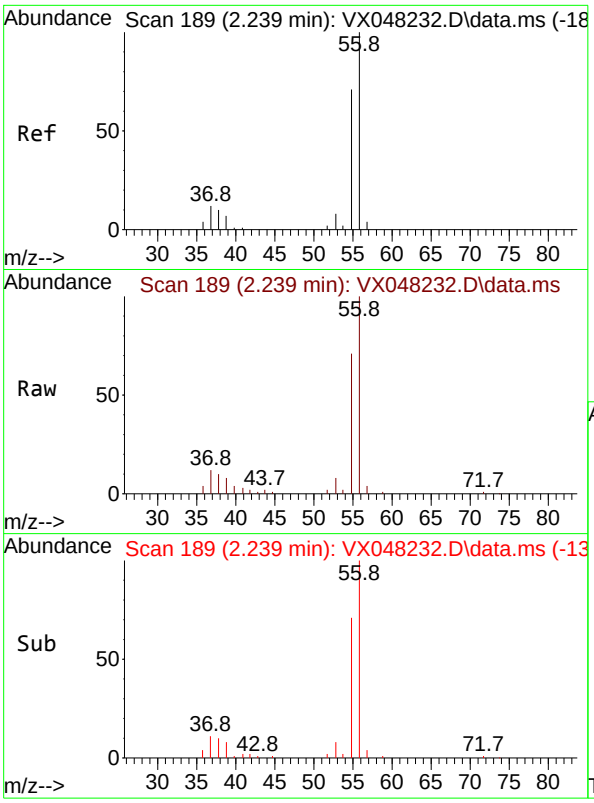



#12
1,1-Dichloroethene
Concen: 41.821 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 96 Resp: 60330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 164.7 | 139.0 | 208.6 |
| 98 | 62.6 | 52.4 | 78.6 |

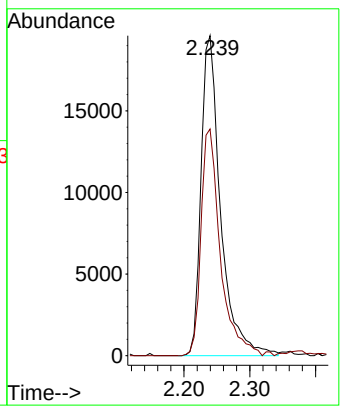





#13
Acrolein
Concen: 150.726 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 56 Resp: 4053

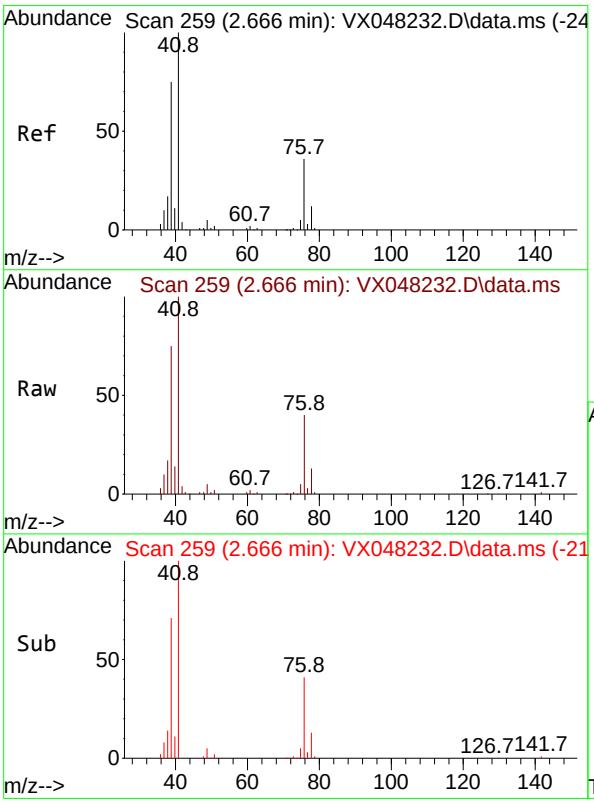
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.8 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

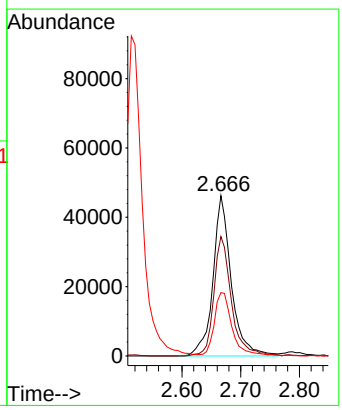
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

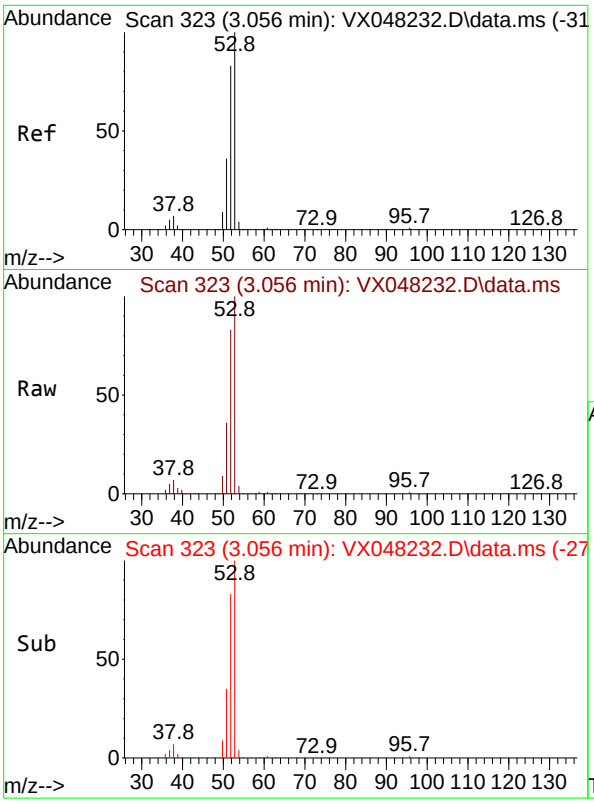



#14
Allyl chloride
Concen: 38.627 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 41 Resp: 100234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.0 | 56.0 | 84.0 |
| 76 | 38.6 | 27.5 | 41.3 |

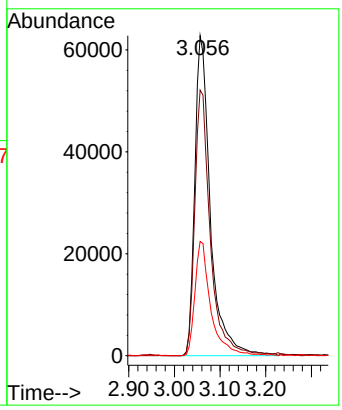





#15
Acrylonitrile
Concen: 243.004 ug/l
RT: 3.056 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 53 Resp: 14900

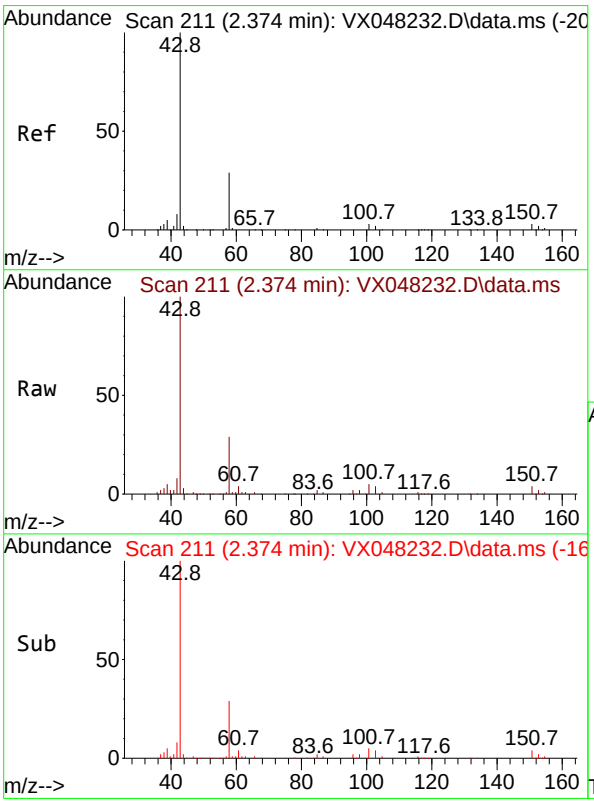
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.9 | 66.1 | 99.1 |
| 51 | 36.6 | 29.0 | 43.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

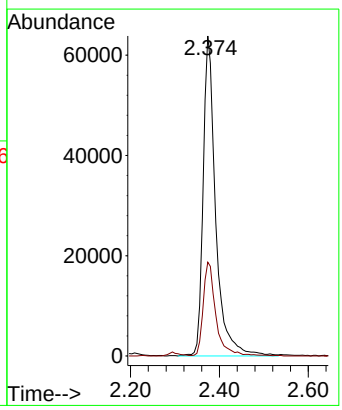
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

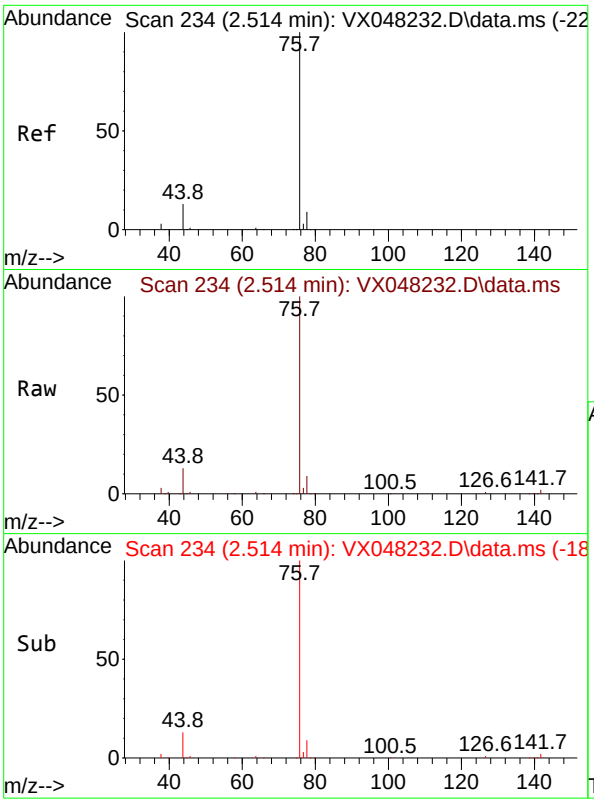



#16
Acetone
Concen: 191.520 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 126003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.2 | 23.4 | 35.2 |

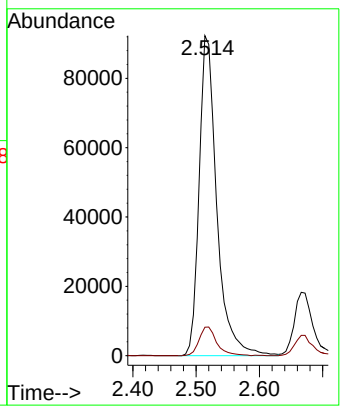





#17
Carbon Disulfide
Concen: 40.440 ug/l
RT: 2.514 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 76 Resp: 17949

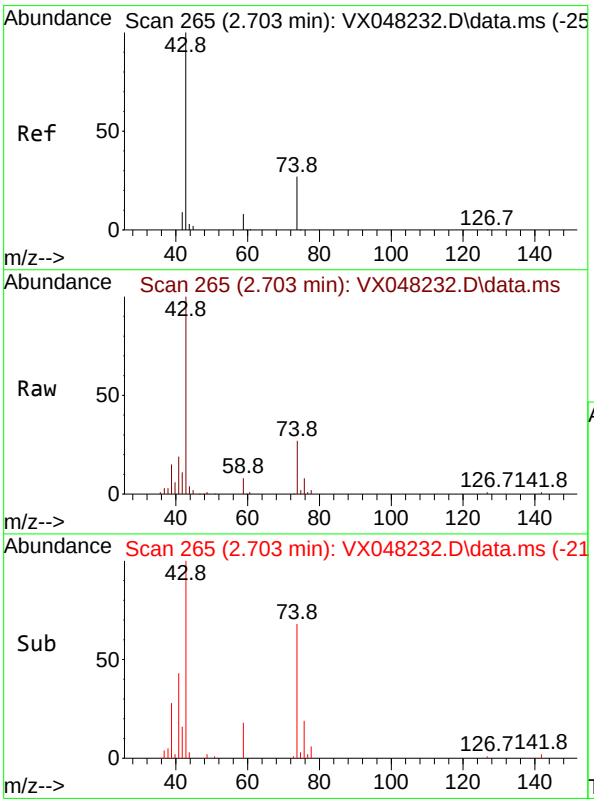
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.1 | 10.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

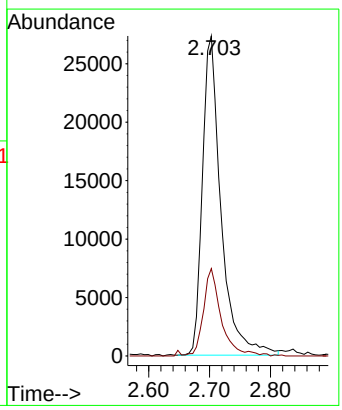
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

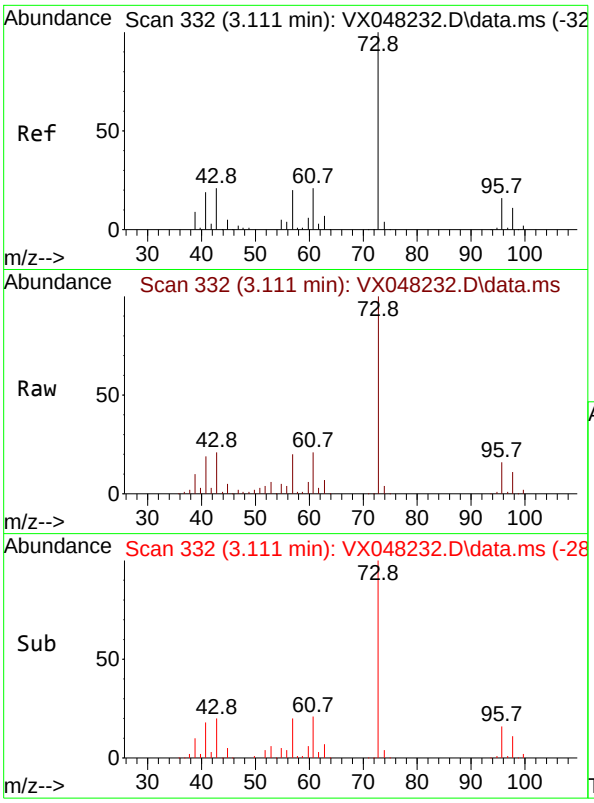



#18
Methyl Acetate
Concen: 43.336 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 58071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 26.0 | 17.5 | 26.3 |

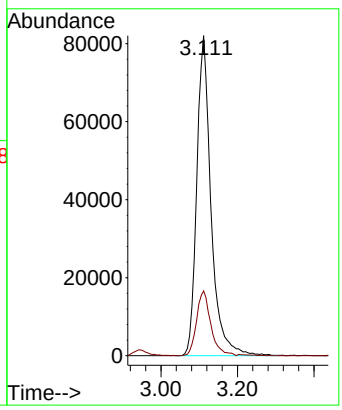





#19
Methyl tert-butyl Ether
Concen: 48.809 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 73 Resp: 21209

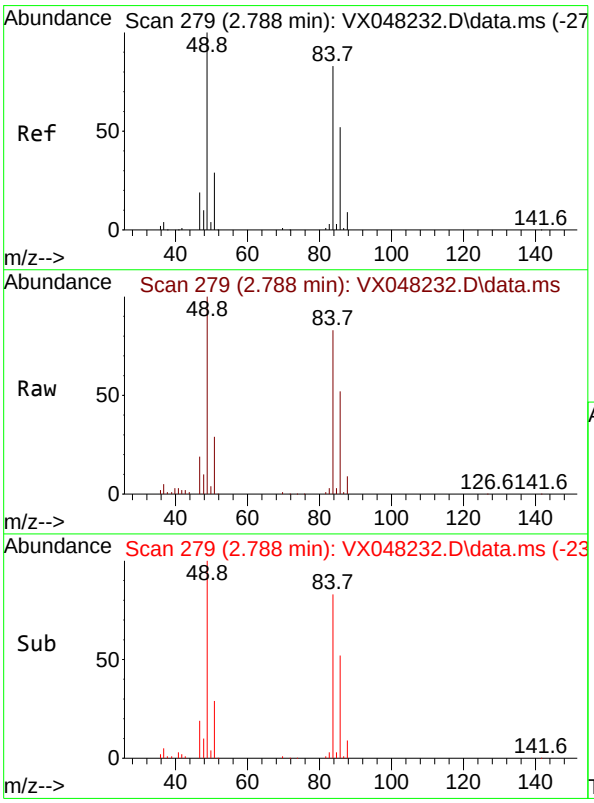
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.3 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

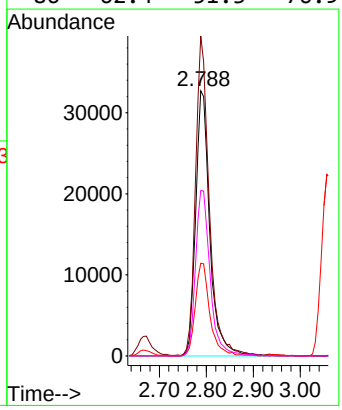
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

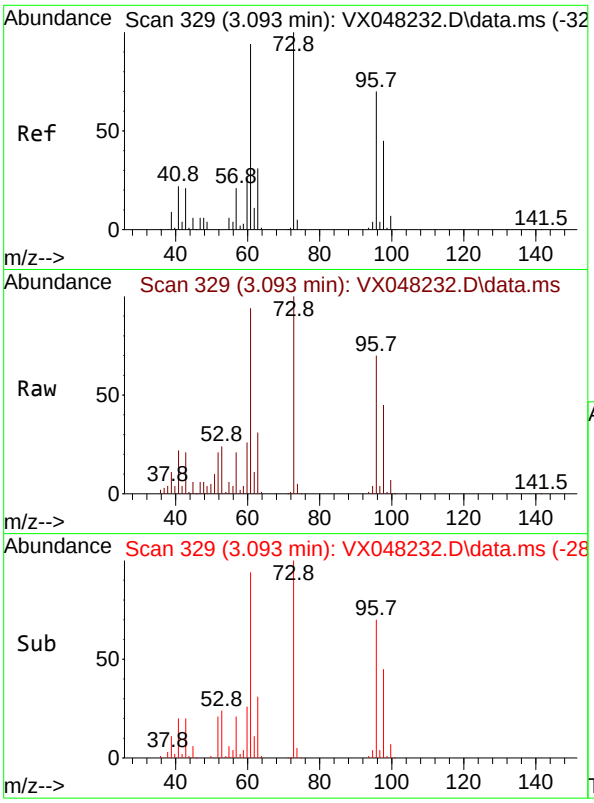



#20
Methylene Chloride
Concen: 42.841 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 84 Resp: 68663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.4 | 104.1 | 156.1 |
| 51 | 35.0 | 31.3 | 46.9 |
| 86 | 62.4 | 51.3 | 76.9 |

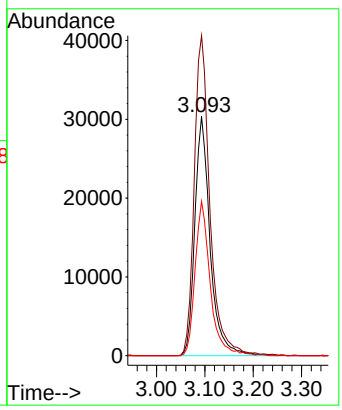





#21
trans-1,2-Dichloroethene
Concen: 44.631 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 96 Resp: 6660

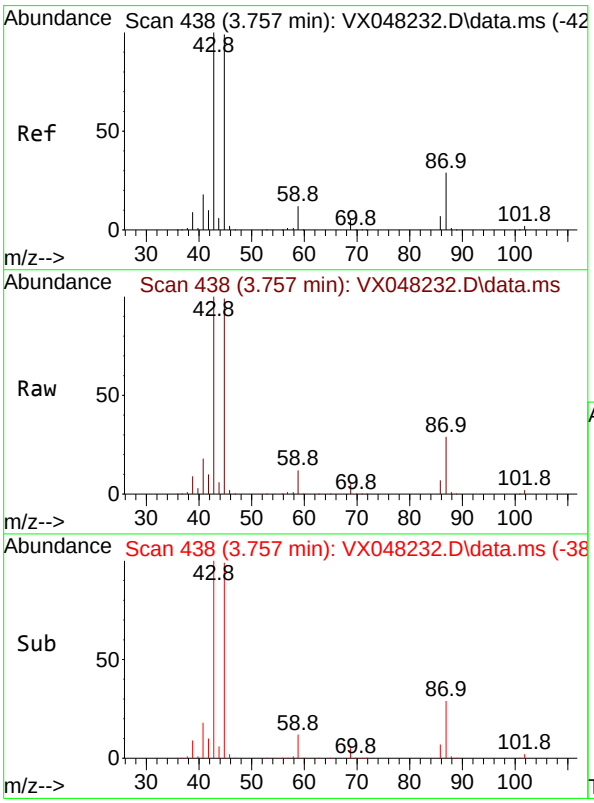
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.8 | 111.9 | 167.9 |
| 98 | 64.5 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

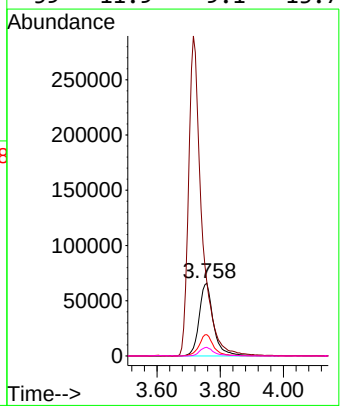
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

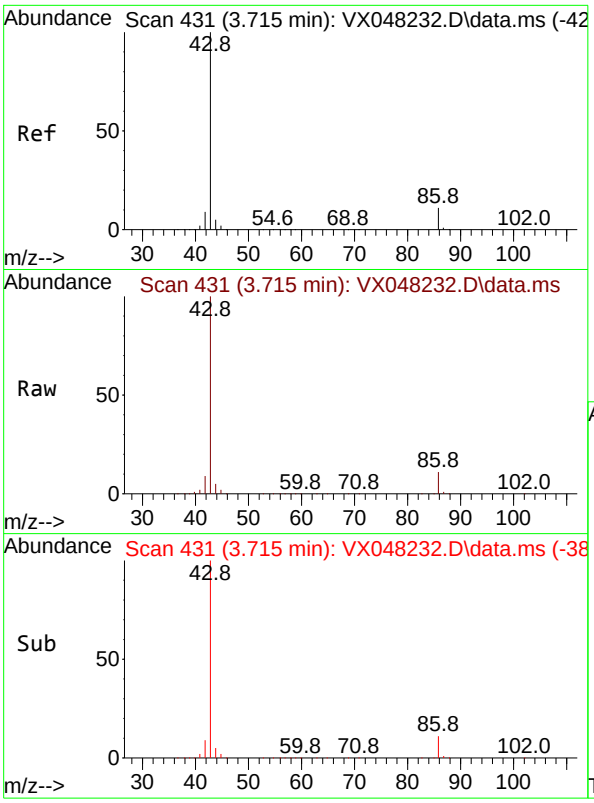



#22
Diisopropyl ether
Concen: 40.720 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 45 Resp: 206901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 101.1 | 89.8 | 134.8 |
| 87 | 29.3 | 20.6 | 31.0 |
| 59 | 11.9 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 220.927 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

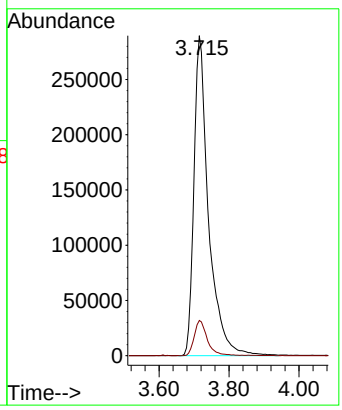
Tgt Ion: 43 Resp: 83937

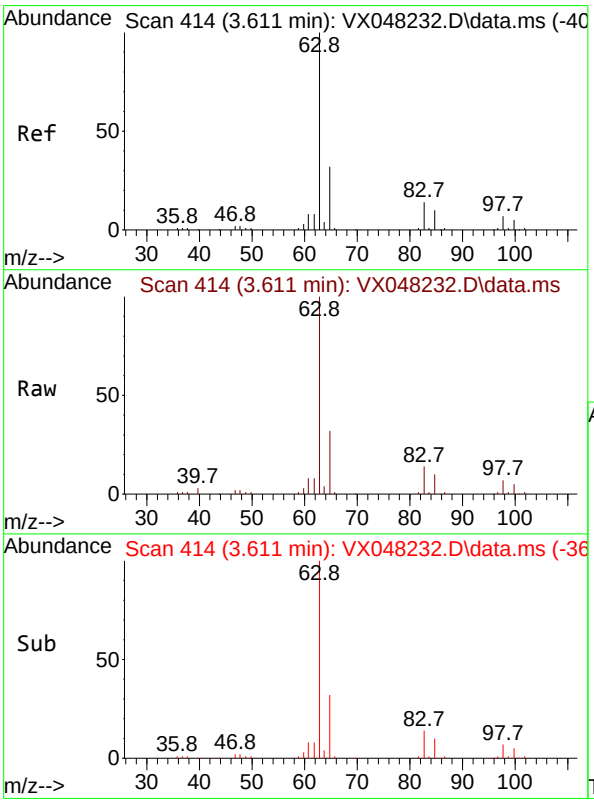
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.0 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

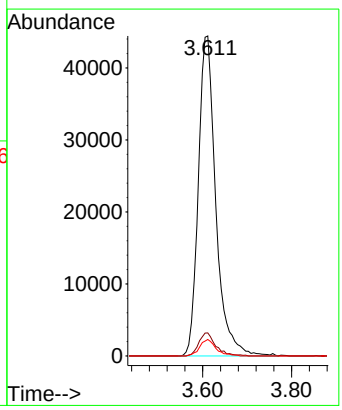


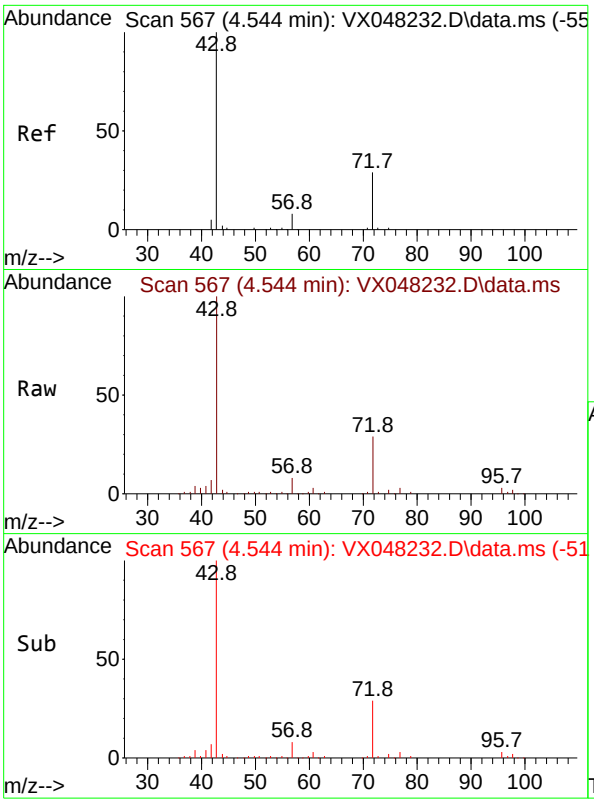




#24
1,1-Dichloroethane
Concen: 42.204 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 63 Resp: 121657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.5 | 10.6 |
| 100 | 5.1 | 2.1 | 6.3 |

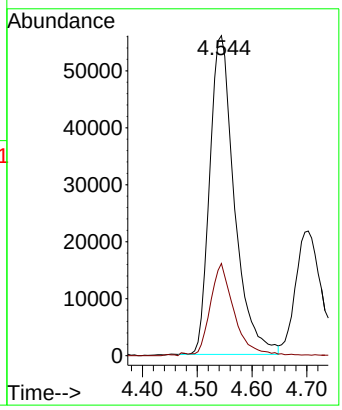





#25
2-Butanone
Concen: 228.411 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 17507

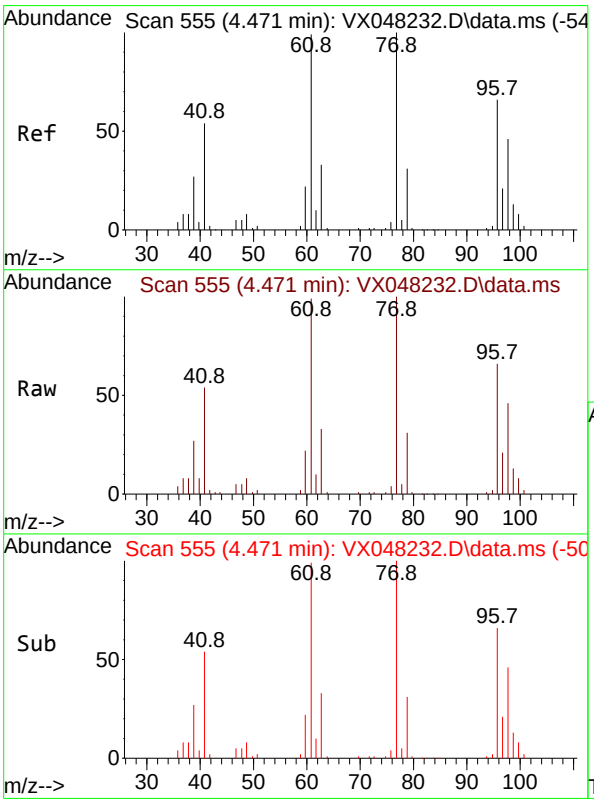
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.6 | 19.9 | 29.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

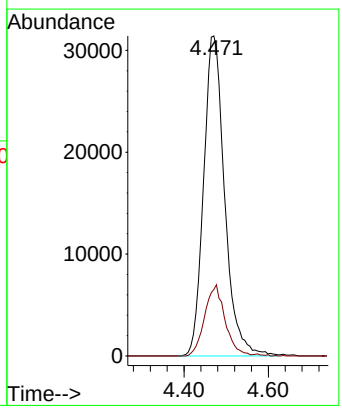
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

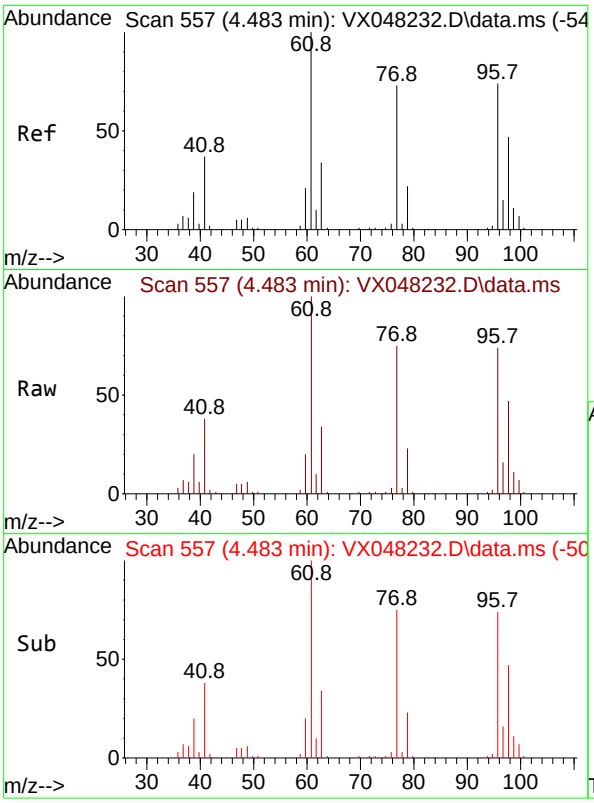



#26
2,2-Dichloropropane
Concen: 44.264 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 77 Resp: 109062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.5 | 11.1 | 33.3 |

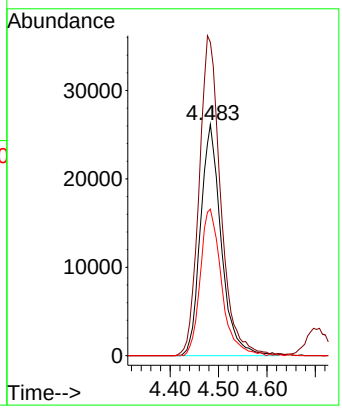





#27
cis-1,2-Dichloroethene
Concen: 43.988 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 96 Resp: 7791

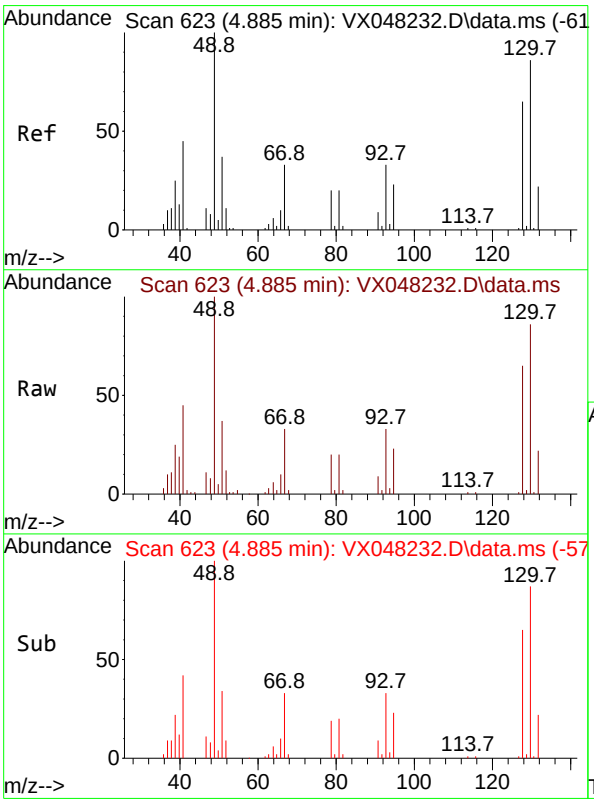
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.4 | 0.0 | 294.2 |
| 98 | 64.9 | 0.0 | 128.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

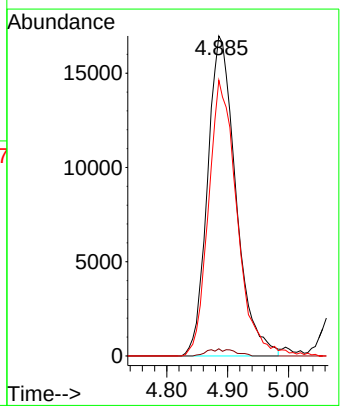
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

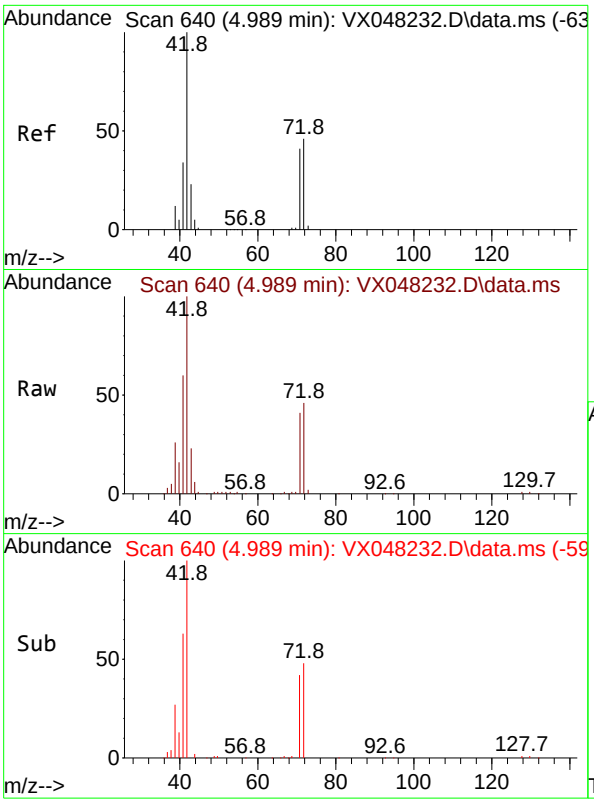



#28
Bromochloromethane
Concen: 41.331 ug/l
RT: 4.885 min Scan# 623
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 49 Resp: 54919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.8 | 0.0 | 4.4 |
| 130 | 86.9 | 59.3 | 88.9 |

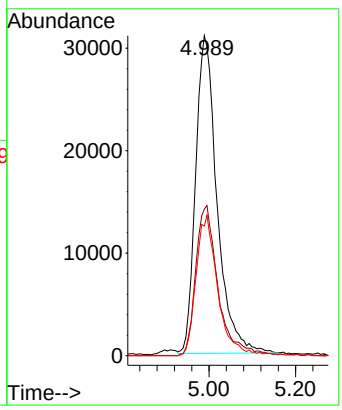





#29
Tetrahydrofuran
Concen: 236.335 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 42 Resp: 10638

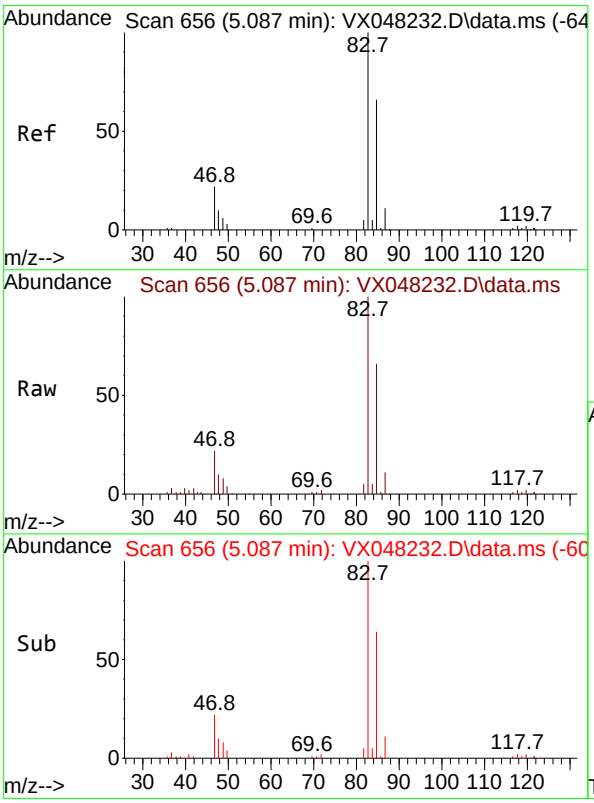
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 49.2 | 35.3 | 52.9 |
| 71 | 44.3 | 32.2 | 48.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

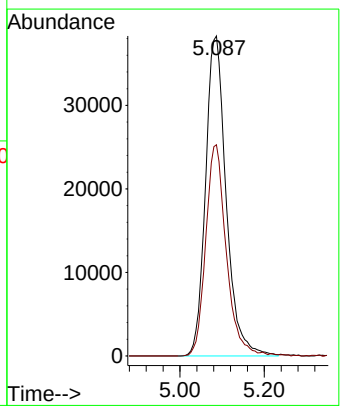
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

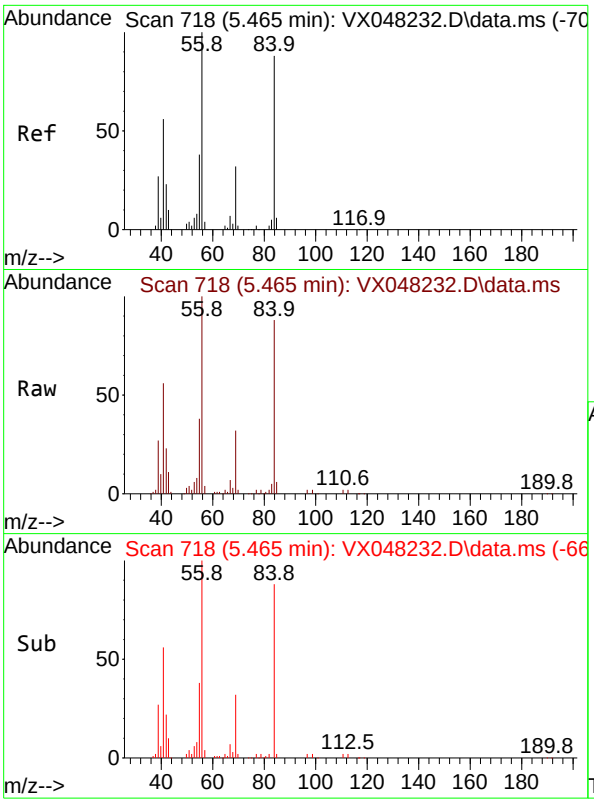



#30
Chloroform
Concen: 42.925 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 83 Resp: 130274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.0 | 50.1 | 75.1 |

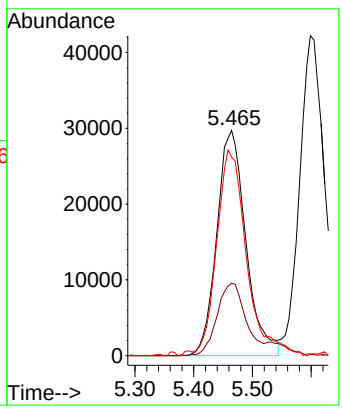





#31
Cyclohexane
Concen: 43.351 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 56 Resp: 10225

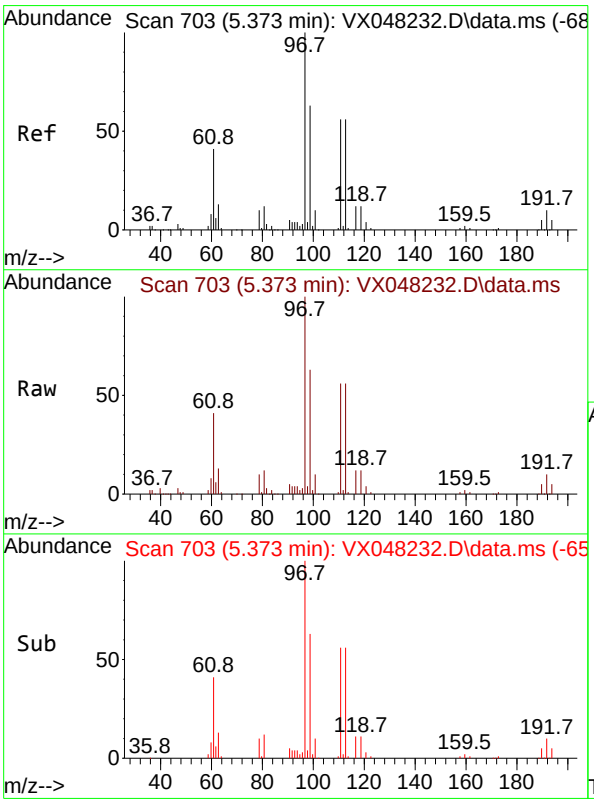
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.2 | 23.0 | 34.6 |
| 84 | 87.9 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

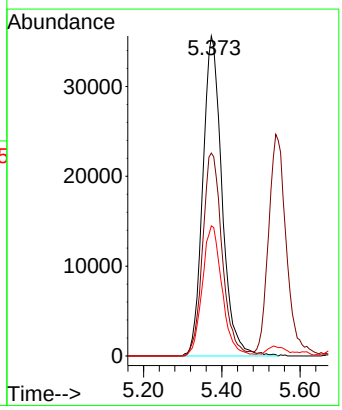
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

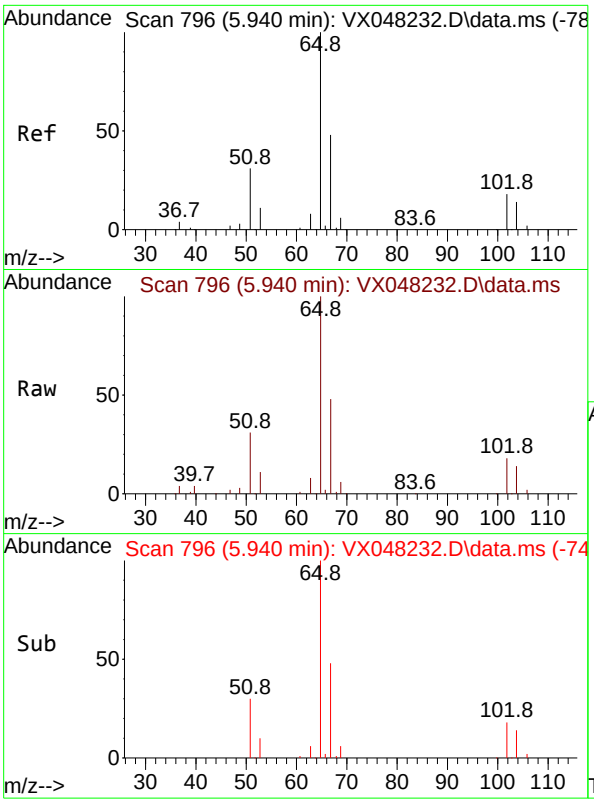



#32
1,1,1-Trichloroethane
Concen: 48.560 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 97 Resp: 121090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 51.7 | 77.5 |
| 61 | 41.8 | 34.8 | 52.2 |

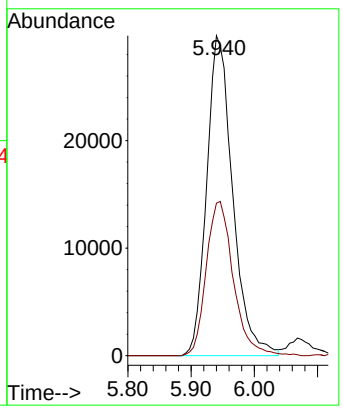





#33
1,2-Dichloroethane-d4
Concen: 44.048 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 65 Resp: 8495

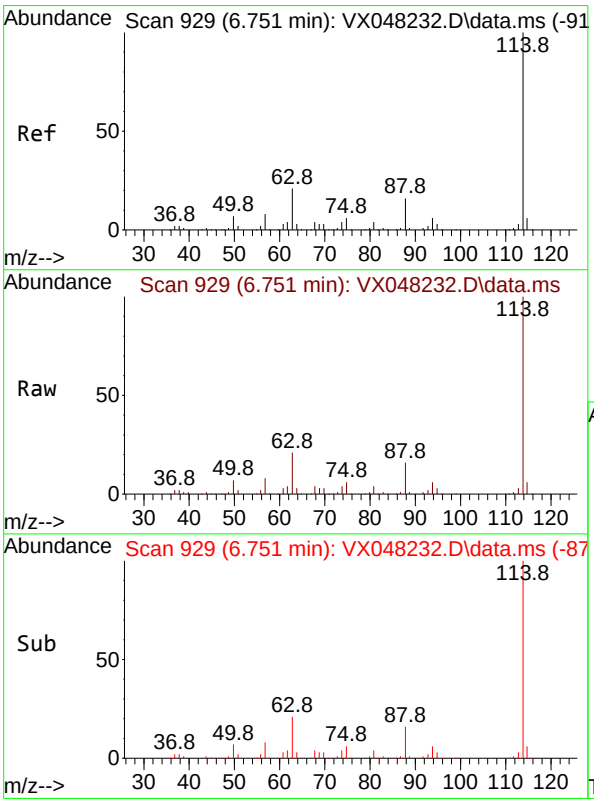
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.4 | 0.0 | 105.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

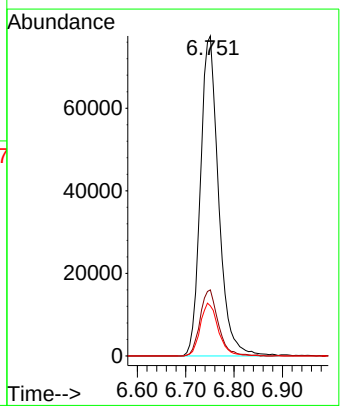
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

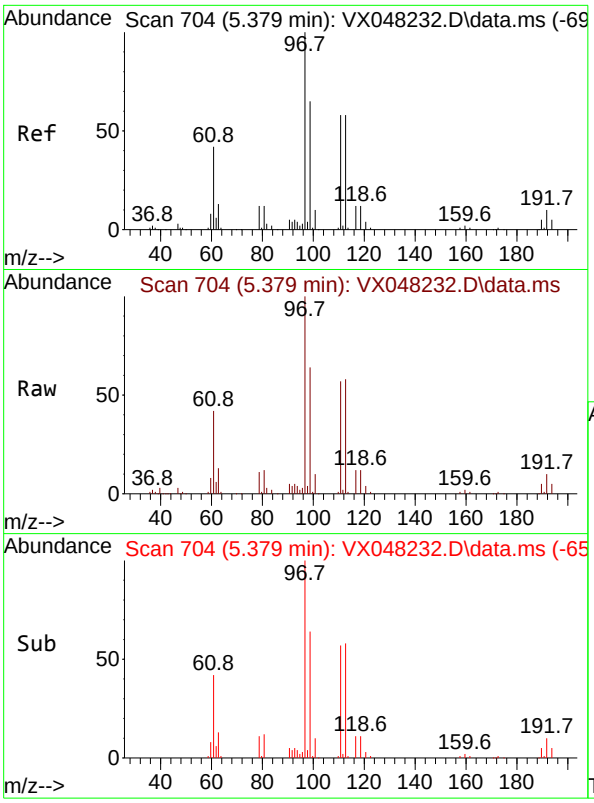



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:114 Resp: 201906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 43.2 |
| 88 | 15.7 | 0.0 | 33.6 |

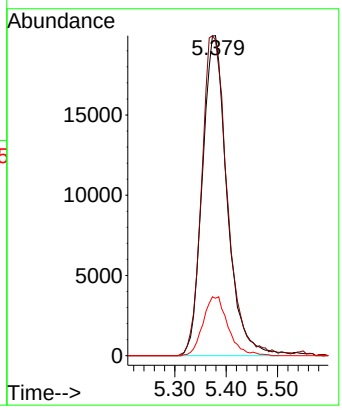





#35
Dibromofluoromethane
Concen: 47.523 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:113 Resp: 6659

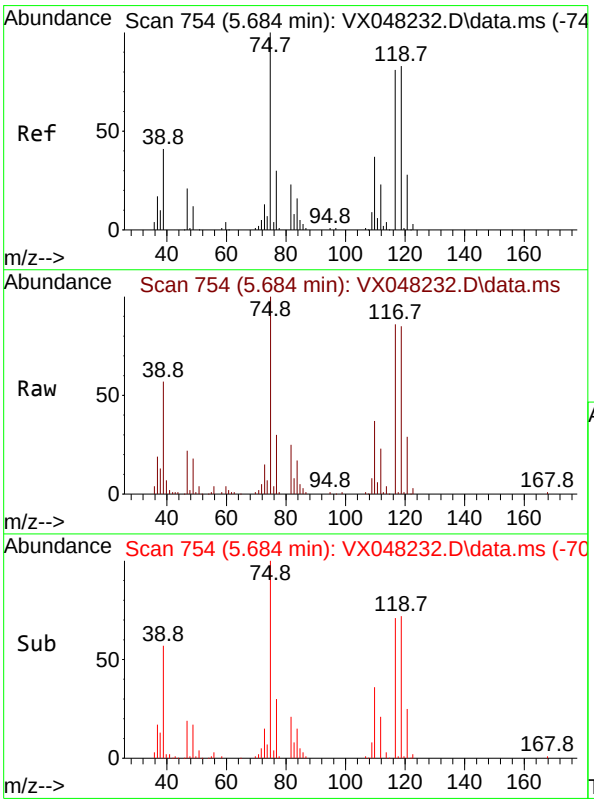
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.6 | 82.2 | 123.4 |
| 192 | 18.7 | 15.1 | 22.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

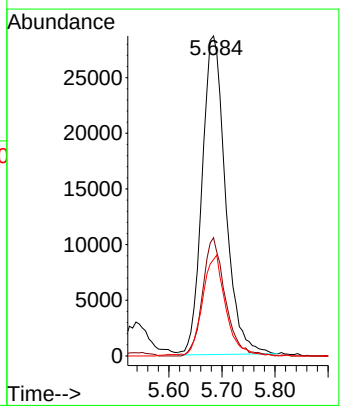
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

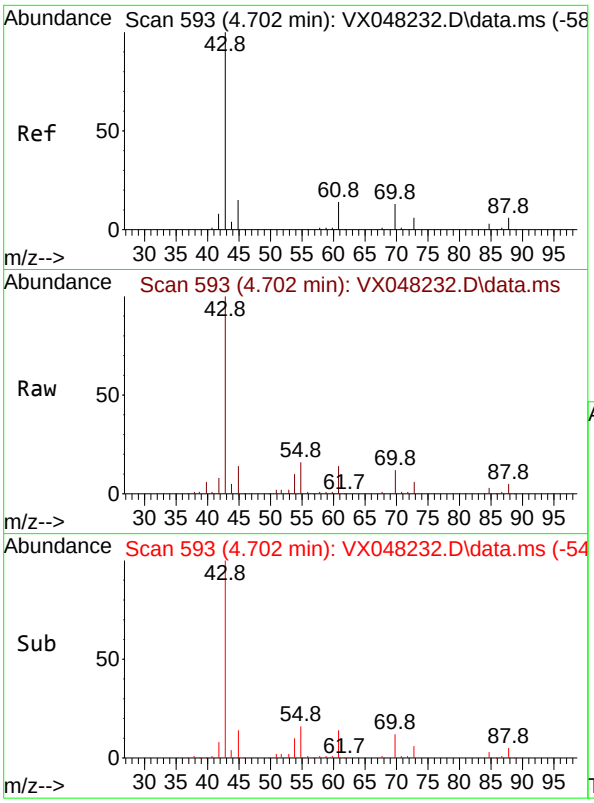



#36
1,1-Dichloropropene
Concen: 44.323 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 87493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.9 | 17.7 | 53.1 |
| 77 | 31.7 | 24.3 | 36.5 |

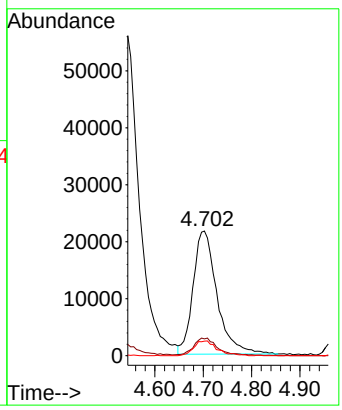





#37
Ethyl Acetate
Concen: 47.073 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 7426

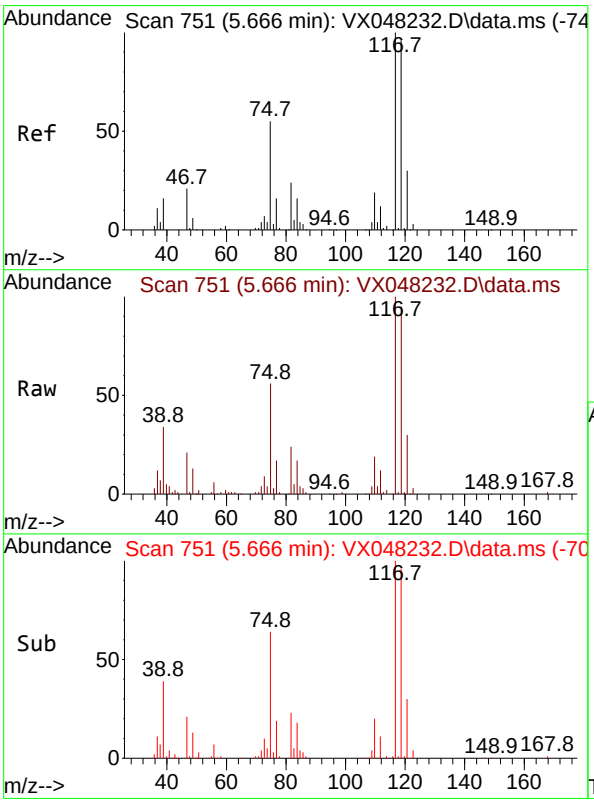
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.0 | 10.6 | 15.8 |
| 70 | 11.6 | 7.8 | 11.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

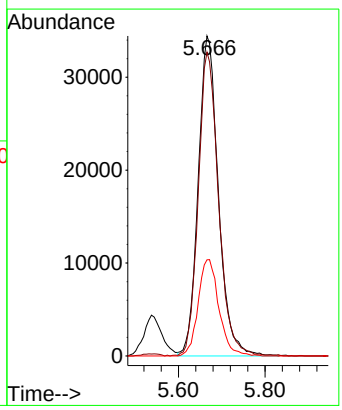
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

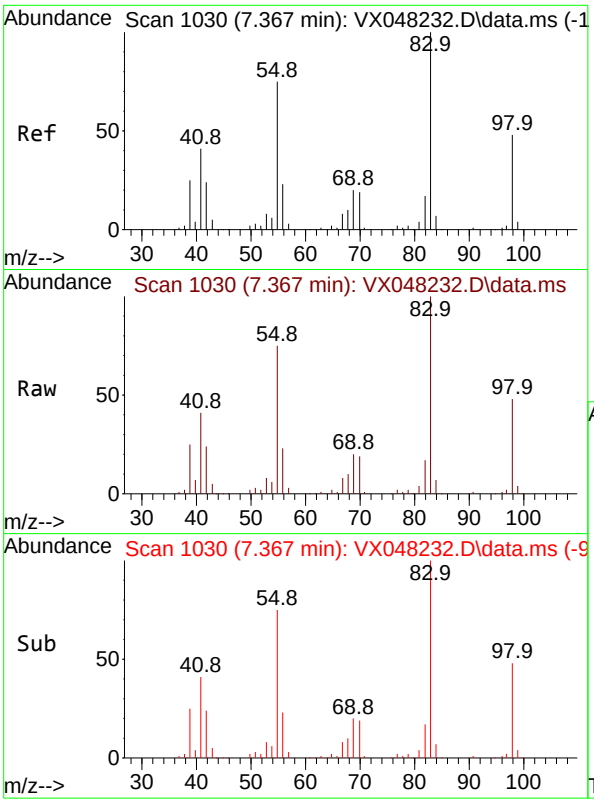



#38
Carbon Tetrachloride
Concen: 49.302 ug/l
RT: 5.666 min Scan# 751
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:117 Resp: 111708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 77.2 | 115.8 |
| 121 | 30.1 | 24.8 | 37.2 |

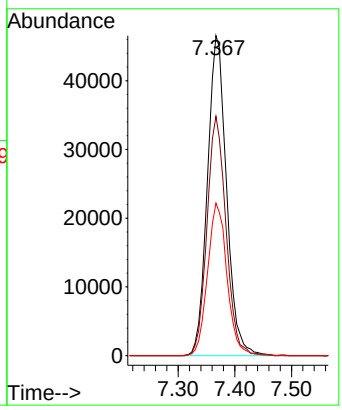





#39
Methylcyclohexane
Concen: 49.008 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 83 Resp: 10907

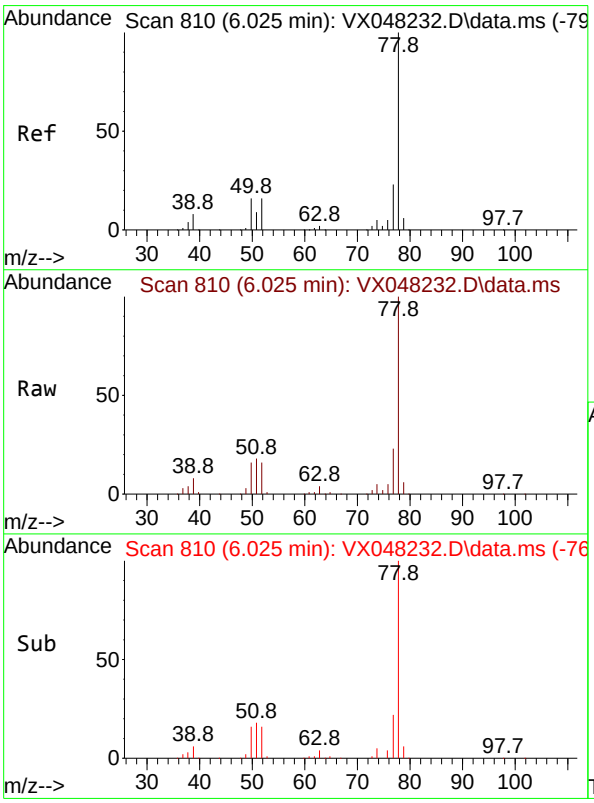
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.8 | 66.2 | 99.2 |
| 98 | 47.6 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

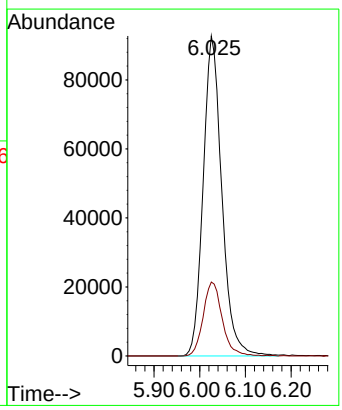
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

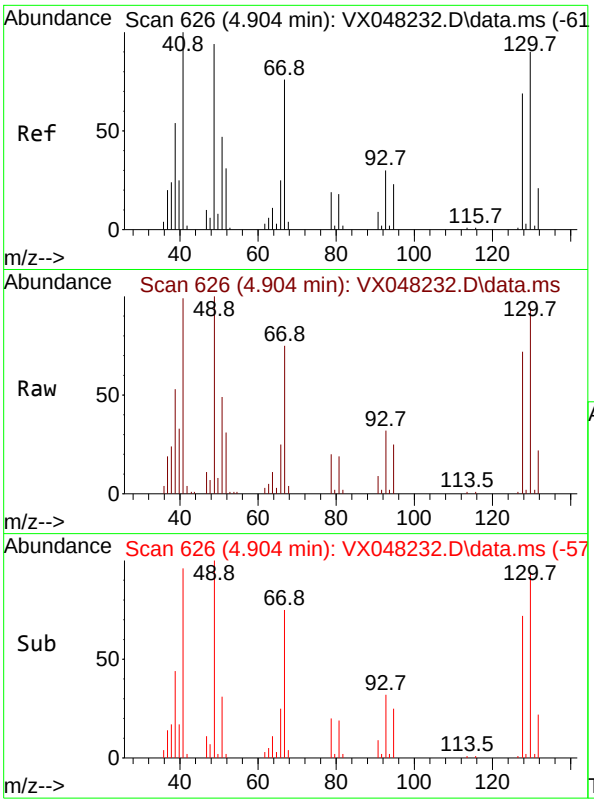



#40
Benzene
Concen: 44.825 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 78 Resp: 262745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.1 | 19.3 | 28.9 |

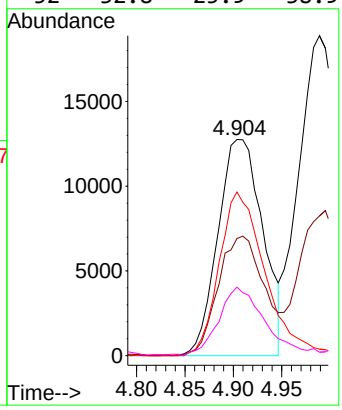





#41
Methacrylonitrile
Concen: 48.874 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 41 Resp: 4129

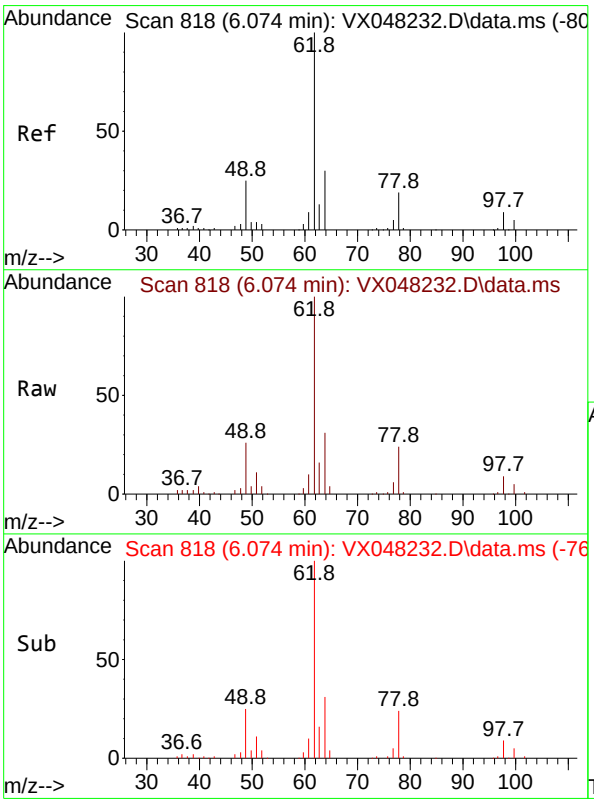
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.1 | 44.0 | 66.0 |
| 67 | 78.6 | 58.7 | 88.1 |
| 52 | 32.8 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

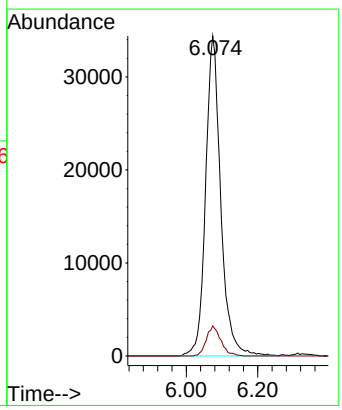
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

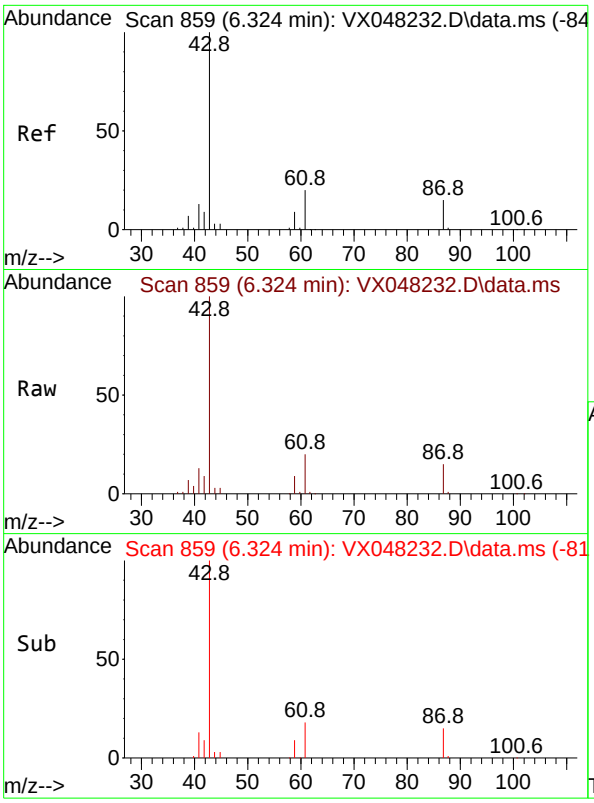



#42
1,2-Dichloroethane
Concen: 48.064 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 62 Resp: 100937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.2 |

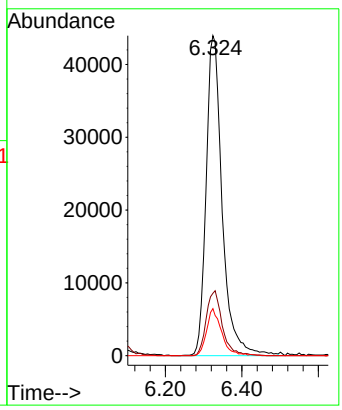





#43
Isopropyl Acetate
Concen: 48.444 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 12829

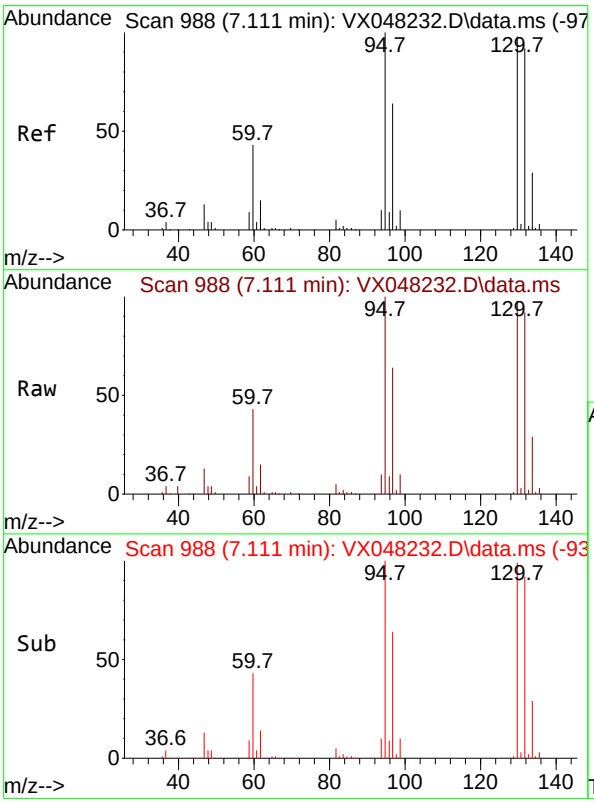
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.3 | 14.9 | 22.3 |
| 87 | 13.7 | 9.4 | 14.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

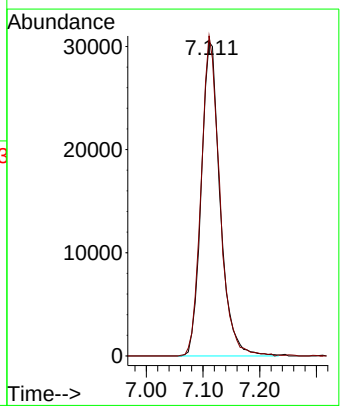
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

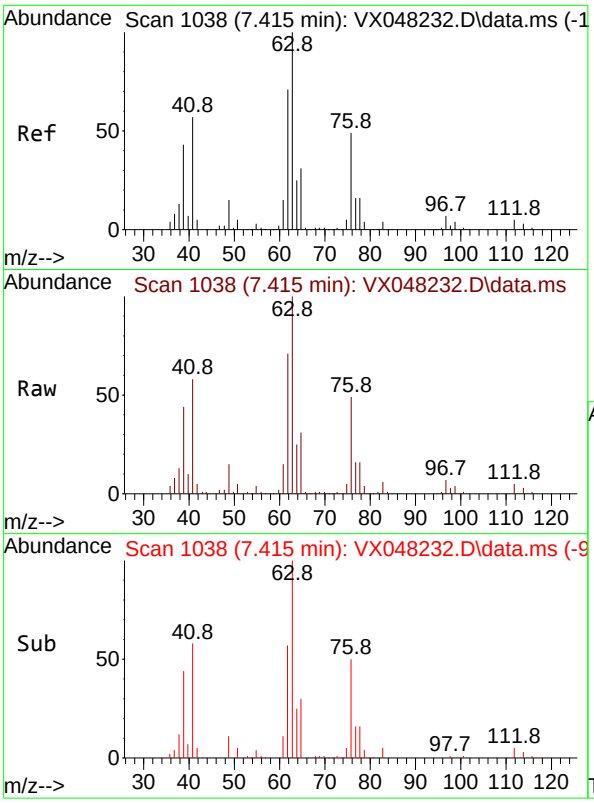



#44
Trichloroethene
Concen: 47.597 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:130 Resp: 70313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.9 | 0.0 | 200.6 |

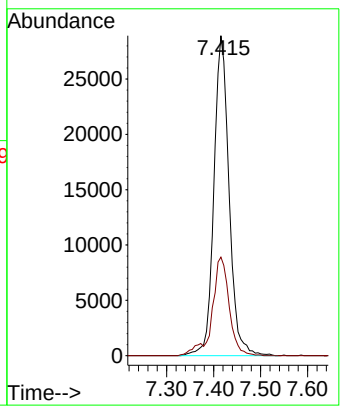





#45
1,2-Dichloropropane
Concen: 43.746 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 63 Resp: 6489

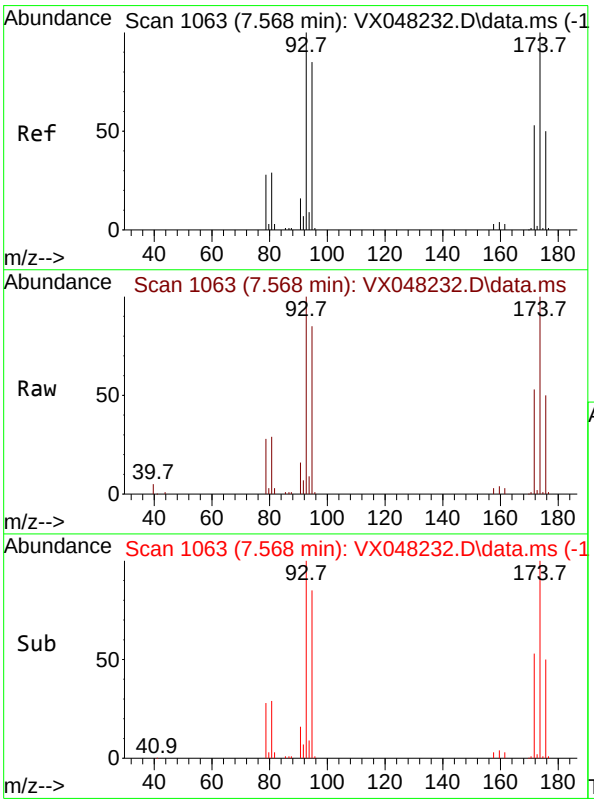
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

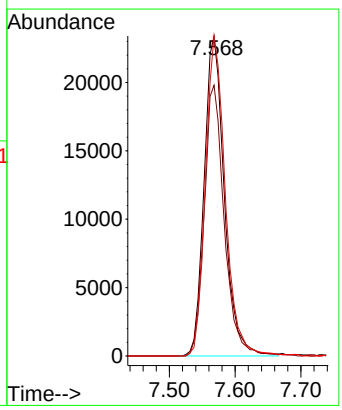
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

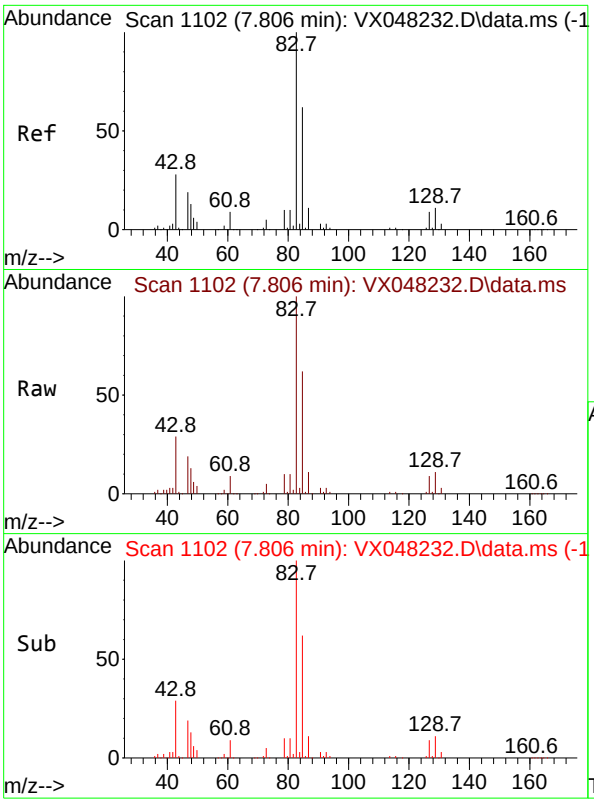



#46
Dibromomethane
Concen: 46.726 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 93 Resp: 49874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.1 | 65.9 | 98.9 |
| 174 | 98.7 | 71.7 | 107.5 |

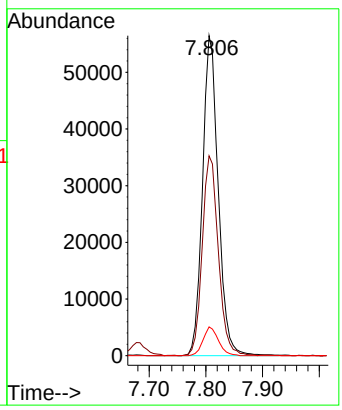





#47
Bromodichloromethane
Concen: 47.107 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 83 Resp: 10867

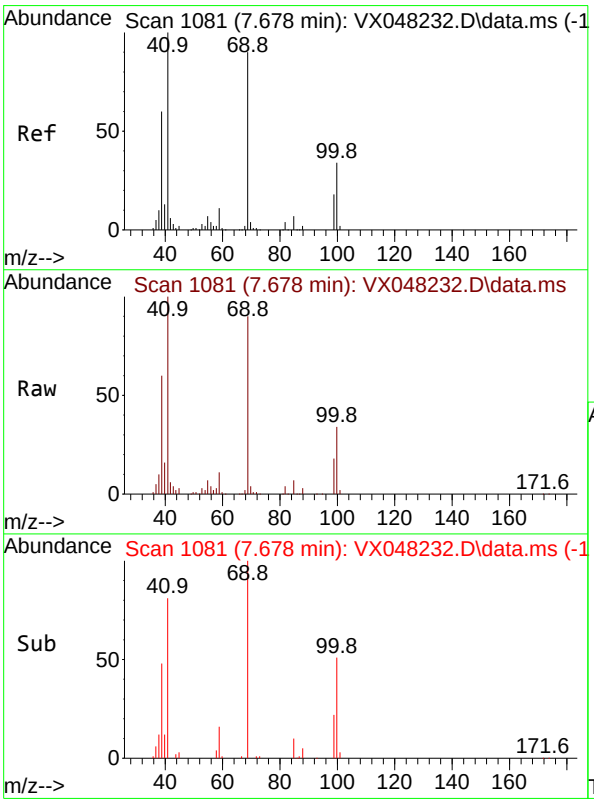
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.4 | 52.2 | 78.4 |
| 127 | 9.0 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

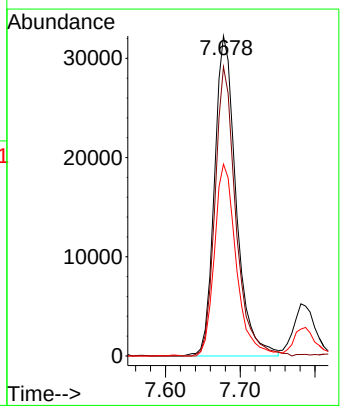
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

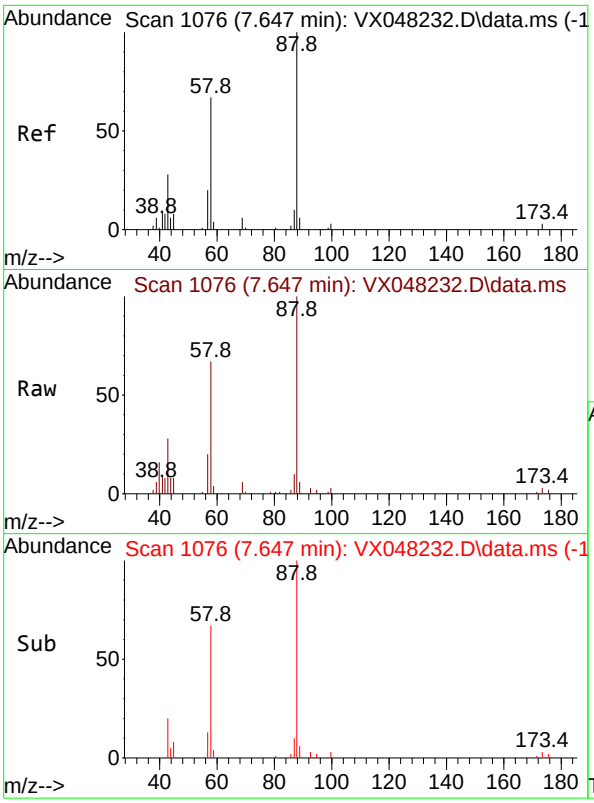



#48
Methyl methacrylate
Concen: 47.990 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 41 Resp: 65057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.8 | 63.4 | 95.0 |
| 39 | 60.5 | 47.1 | 70.7 |

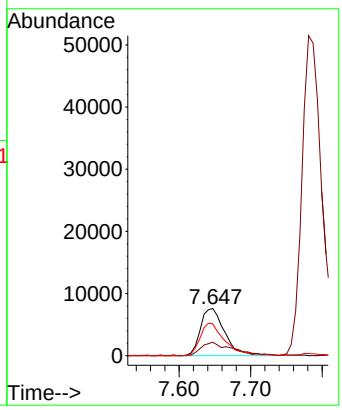





#49
1,4-Dioxane
Concen: 1467.288 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 88 Resp: 1790

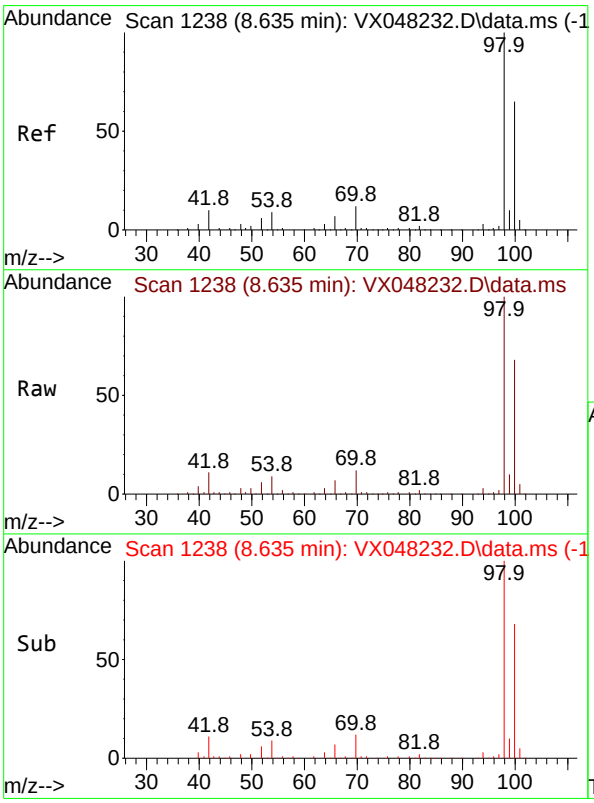
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.1 | 35.0 | 52.4 |
| 58 | 69.5 | 61.9 | 92.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

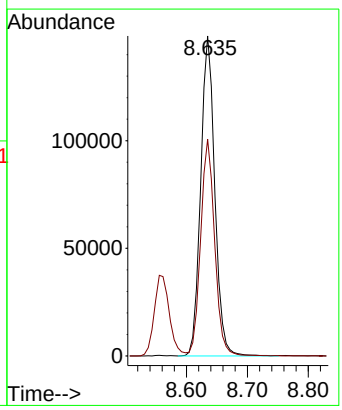
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

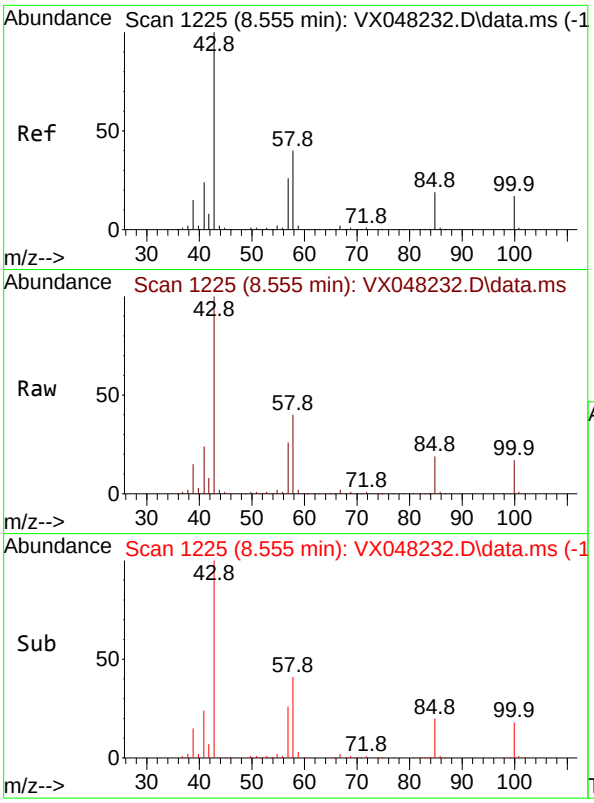



#50
Toluene-d8
Concen: 47.402 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 98 Resp: 239295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.2 | 53.0 | 79.4 |

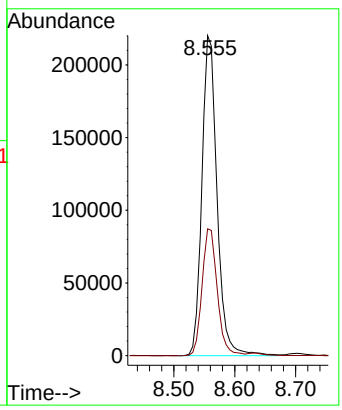





#51
4-Methyl-2-Pentanone
Concen: 258.320 ug/l
RT: 8.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 38066

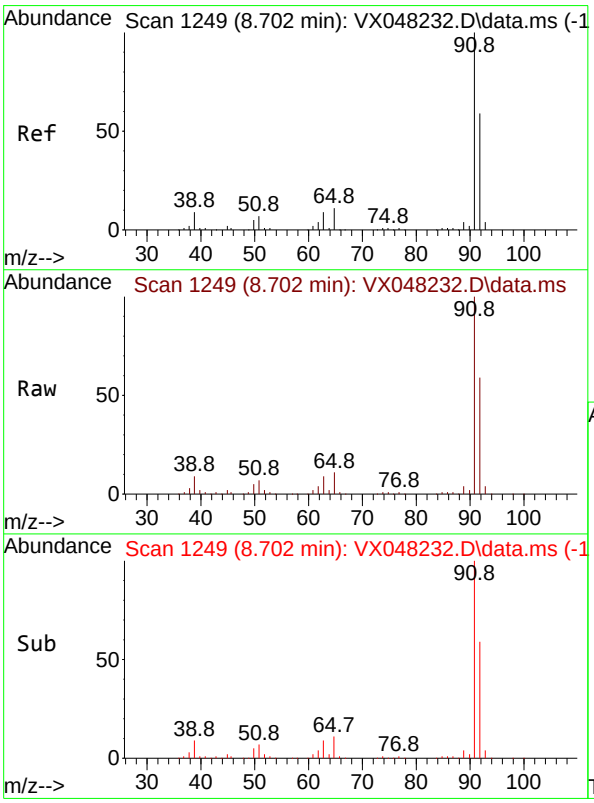
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.8 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

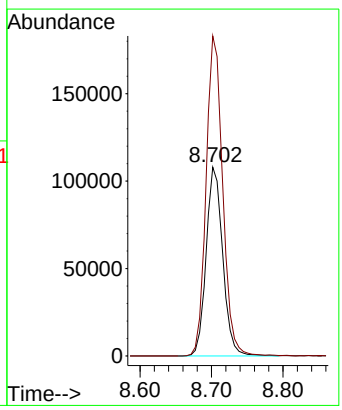
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

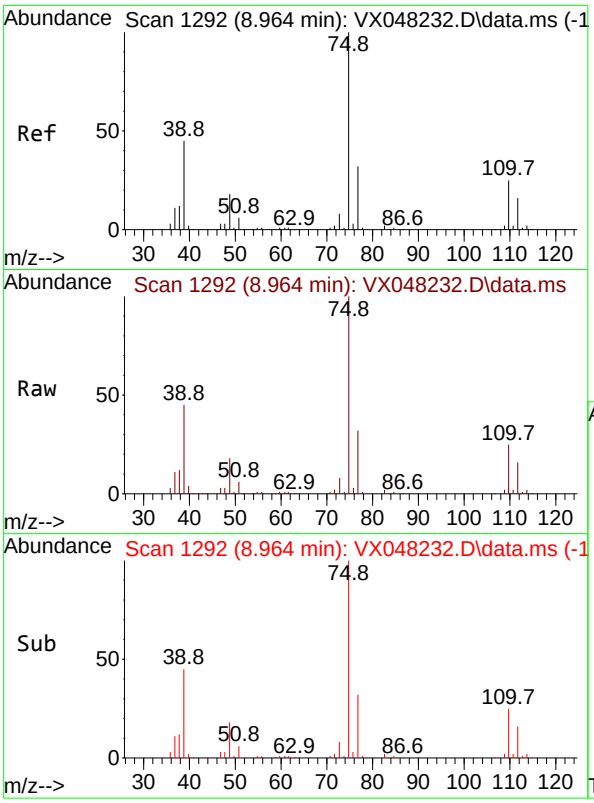



#52
Toluene
Concen: 49.373 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 92 Resp: 173942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.6 | 136.1 | 204.1 |

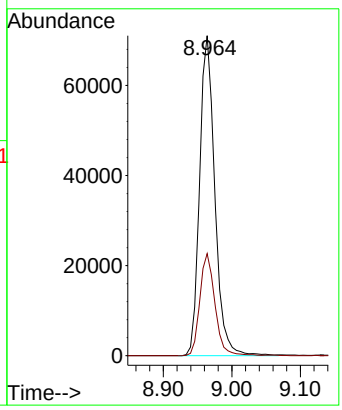





#53
t-1,3-Dichloropropene
Concen: 50.880 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 10996

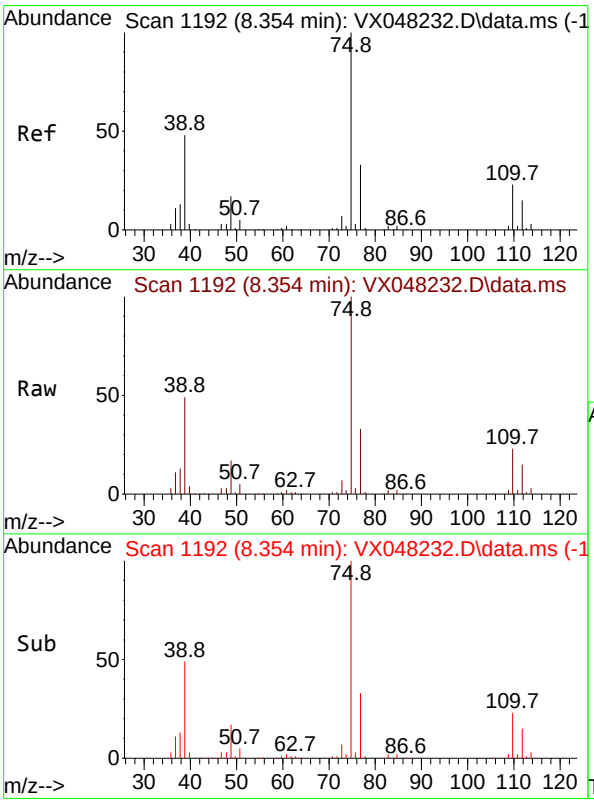
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

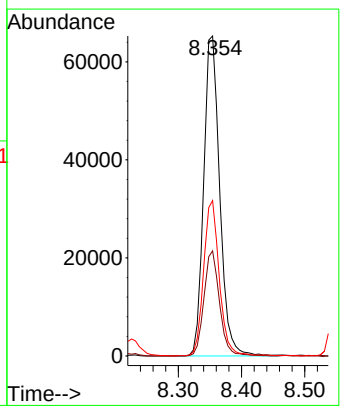
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

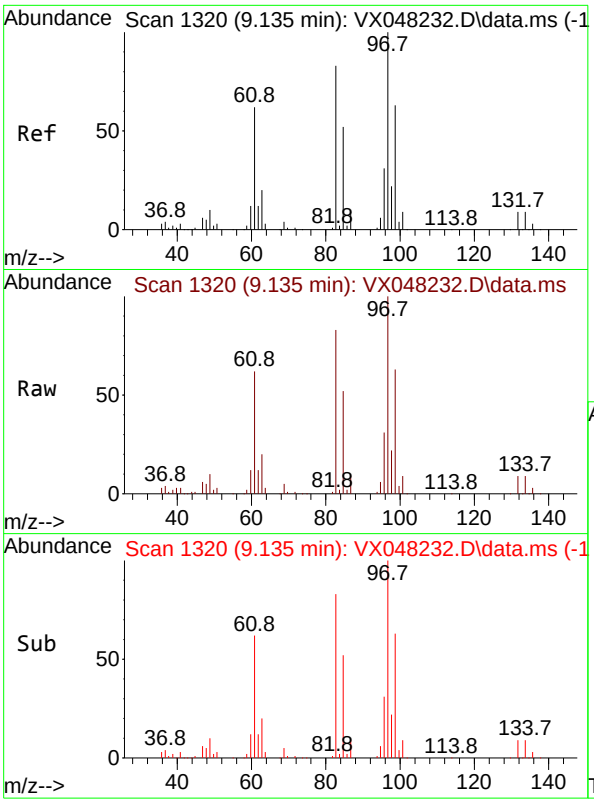



#54
cis-1,3-Dichloropropene
Concen: 49.046 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 115534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.8 | 24.9 | 37.3 |
| 39 | 46.7 | 42.6 | 64.0 |

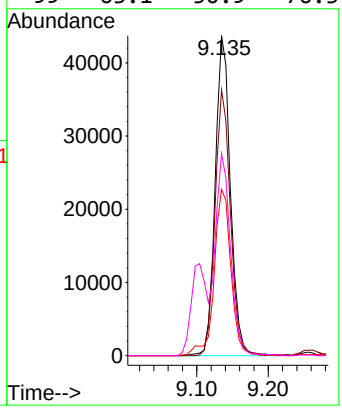





#55
1,1,2-Trichloroethane
Concen: 49.248 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 97 Resp: 6473

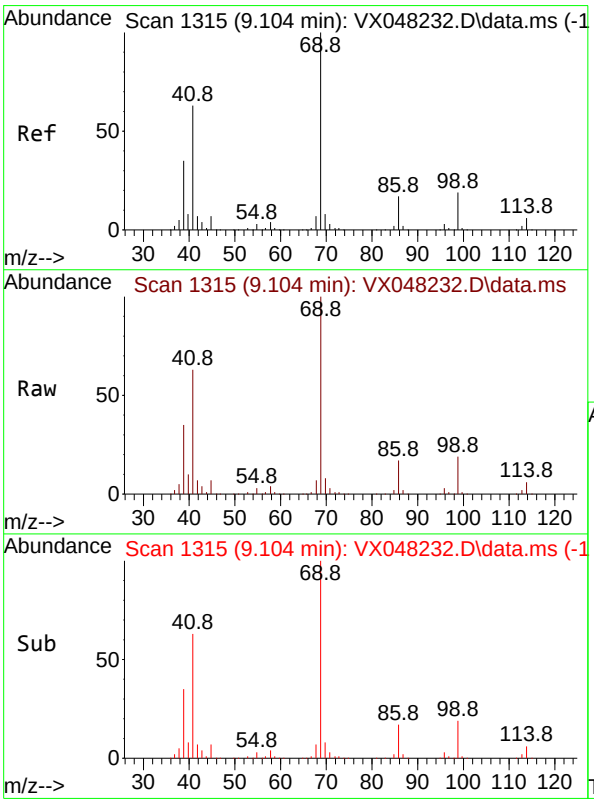
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.0 | 70.6 | 105.8 |
| 85 | 52.0 | 45.0 | 67.6 |
| 99 | 63.1 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

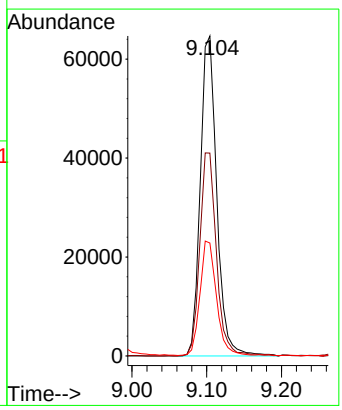
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

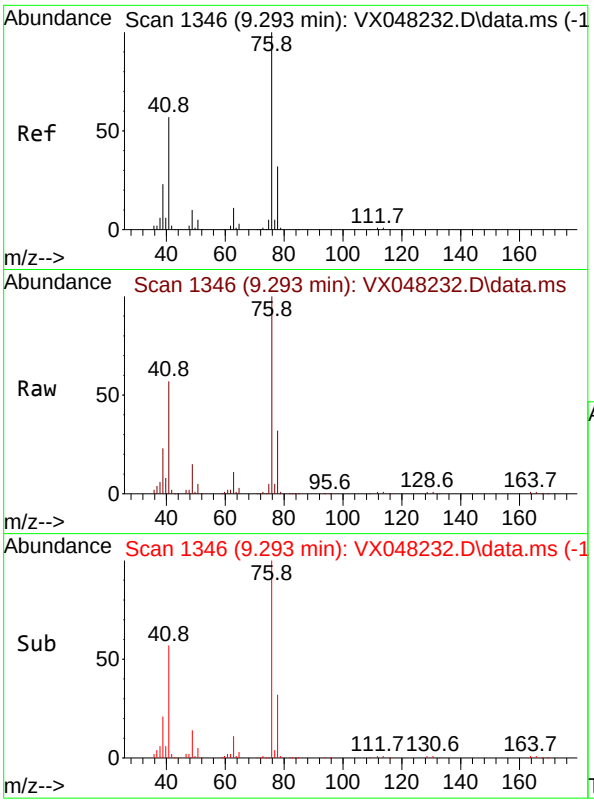



#56
Ethyl methacrylate
Concen: 55.290 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 69 Resp: 98851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.4 | 56.0 | 84.0 |
| 39 | 35.9 | 31.6 | 47.4 |

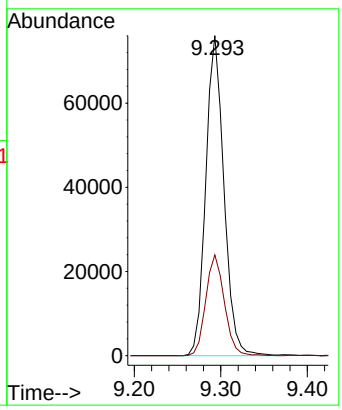





#57
1,3-Dichloropropane
Concen: 48.206 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 76 Resp: 11070

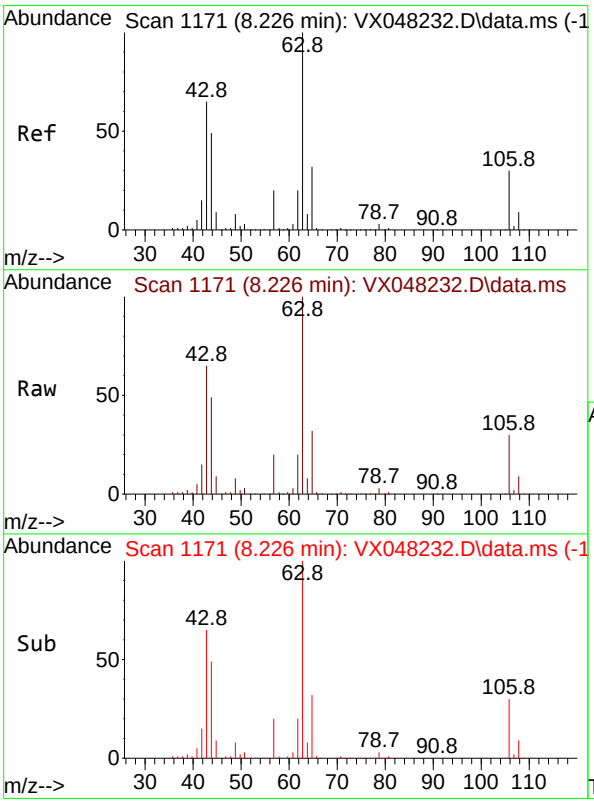
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 25.4 | 38.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

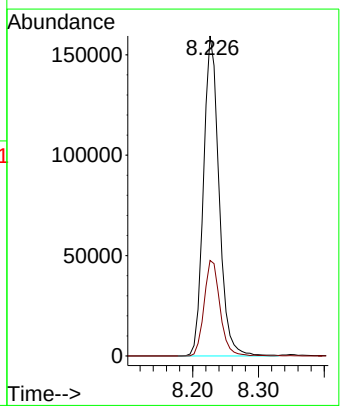
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

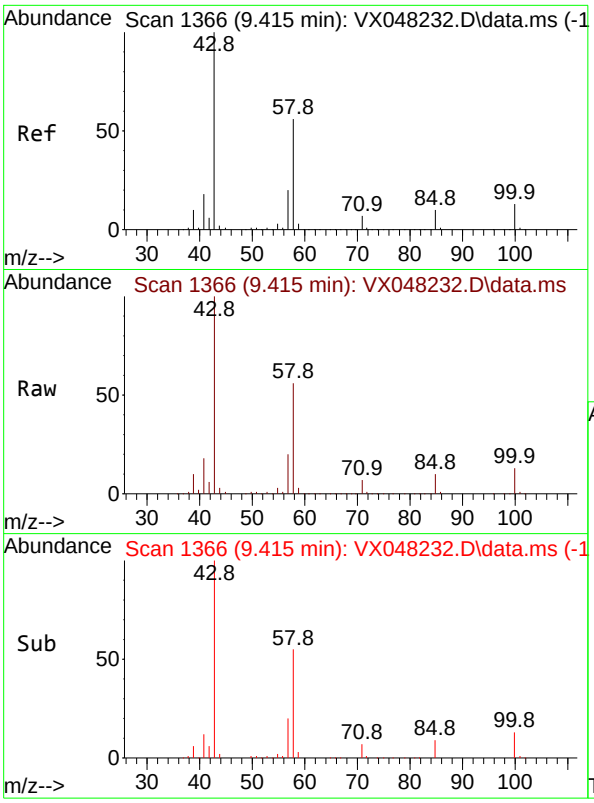



#58
2-Chloroethyl Vinyl ether
Concen: 285.817 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 63 Resp: 262387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.6 | 22.2 | 33.2 |

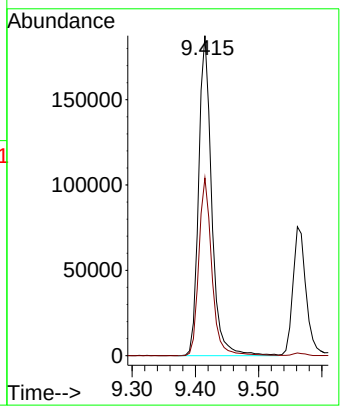





#59
2-Hexanone
Concen: 261.113 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 26914

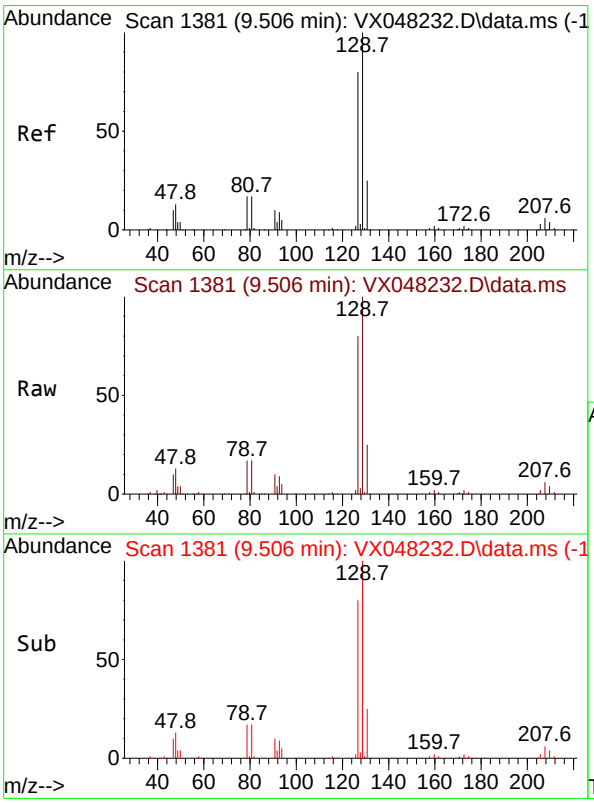
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.6 | 26.3 | 78.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

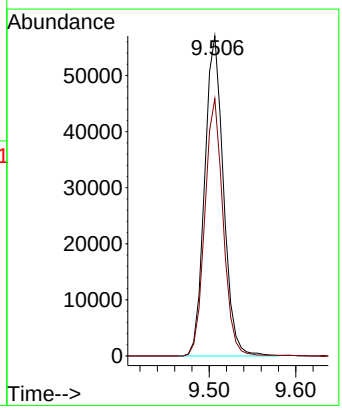
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

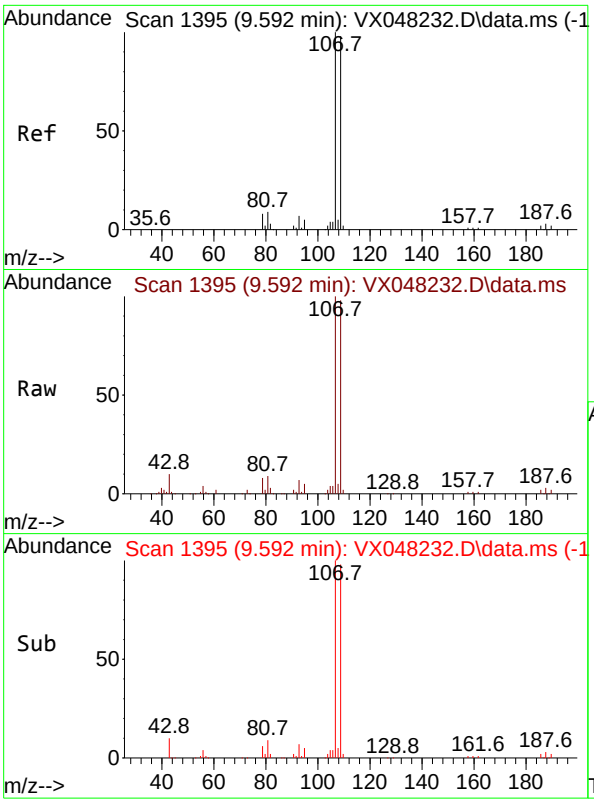



#60
Dibromochloromethane
Concen: 52.123 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:129 Resp: 85760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.4 | 38.6 | 115.7 |

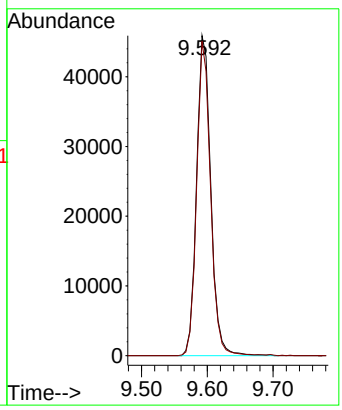





#61
1,2-Dibromoethane
Concen: 51.208 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:107 Resp: 6902

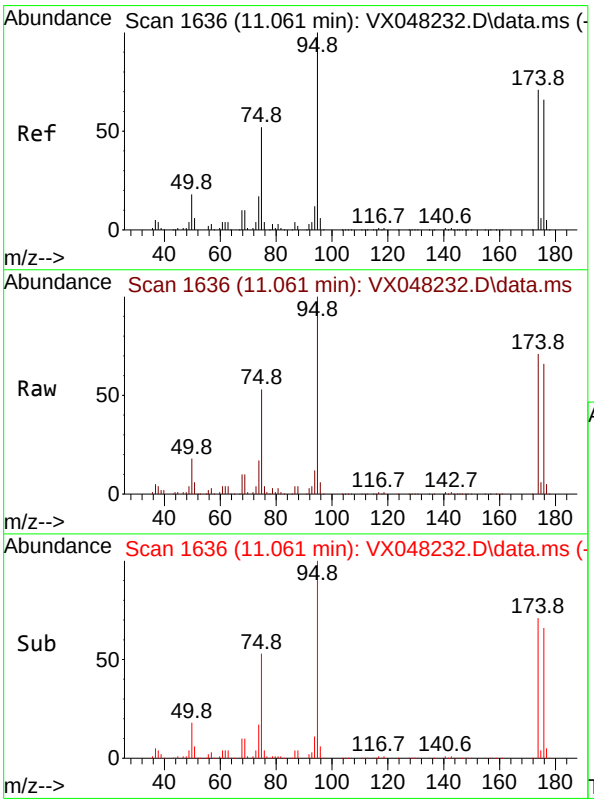
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.5 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

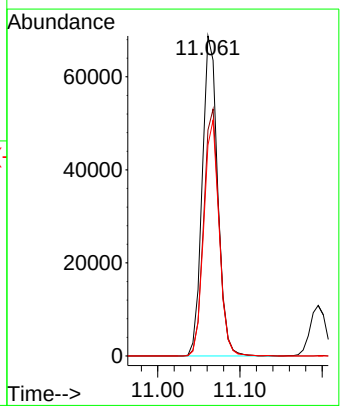
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

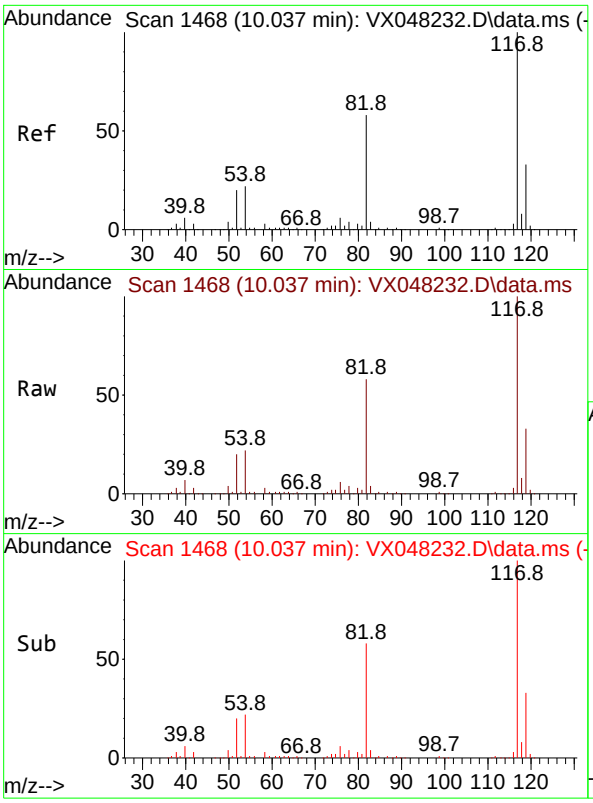



#62
4-Bromofluorobenzene
Concen: 48.719 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 95 Resp: 89579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.3 | 0.0 | 147.8 |
| 176 | 73.3 | 0.0 | 142.8 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

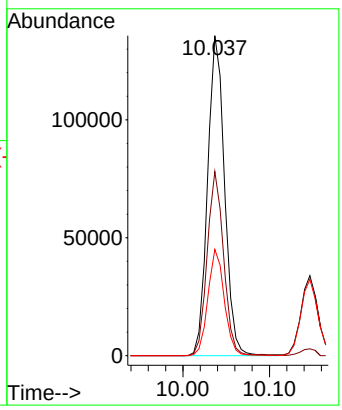
Tgt Ion:117 Resp: 18449

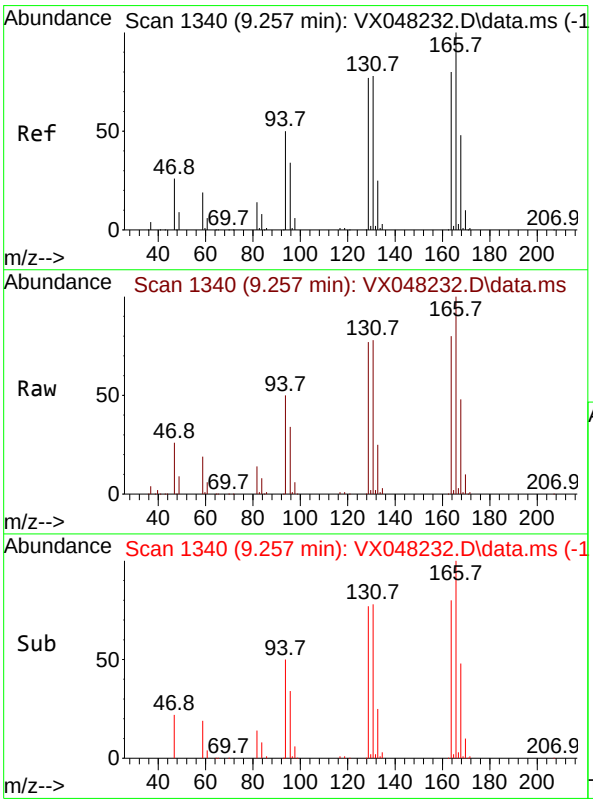
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.6 | 46.5 | 69.7 |
| 119 | 33.2 | 25.9 | 38.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

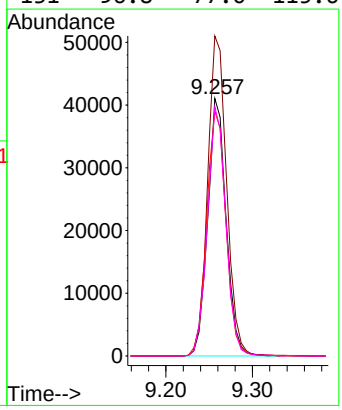


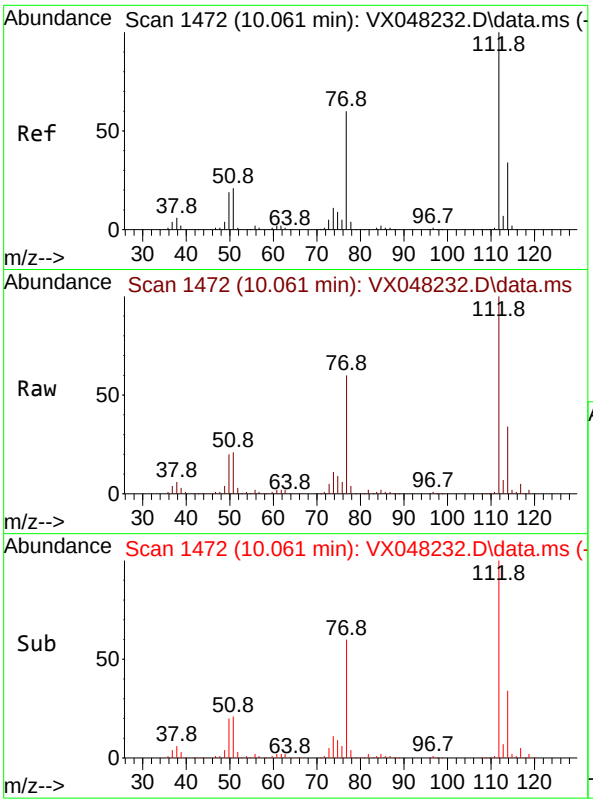




#64
Tetrachloroethene
Concen: 46.776 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:164 Resp: 60510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.3 | 104.5 | 156.7 |
| 129 | 95.1 | 81.8 | 122.6 |
| 131 | 96.8 | 77.0 | 115.6 |

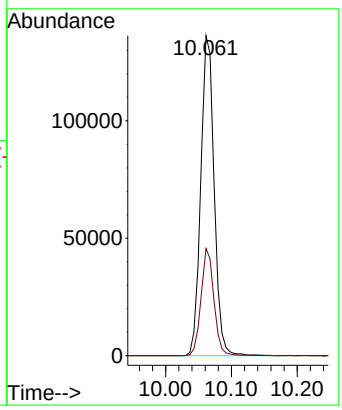





#65
Chlorobenzene
Concen: 47.805 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:112 Resp: 19284

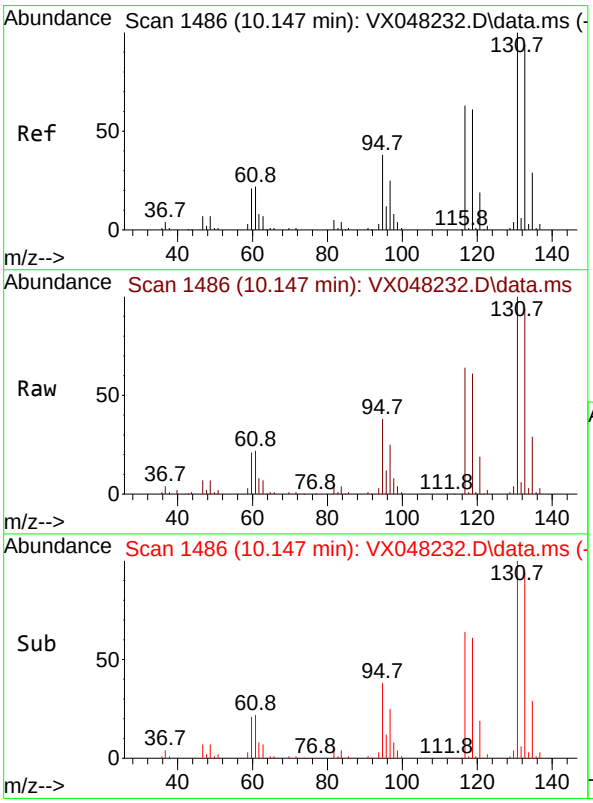
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.5 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

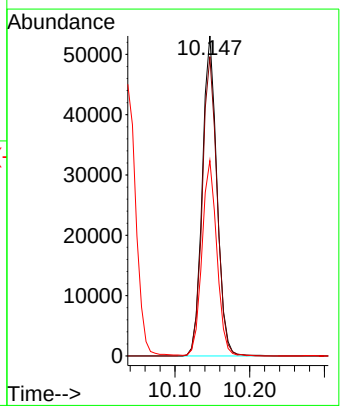
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

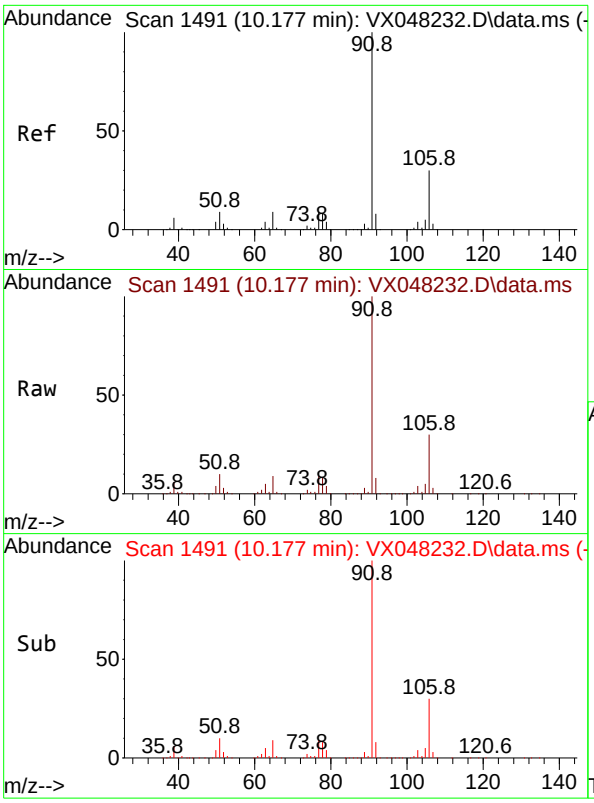



#66
1,1,1,2-Tetrachloroethane
Concen: 49.482 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:131 Resp: 71930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.7 | 47.6 | 142.8 |
| 119 | 62.0 | 32.5 | 97.5 |

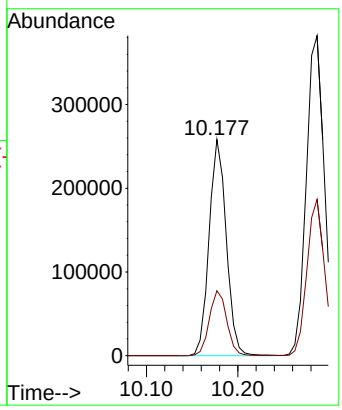





#67
Ethyl Benzene
Concen: 48.680 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 91 Resp: 33666

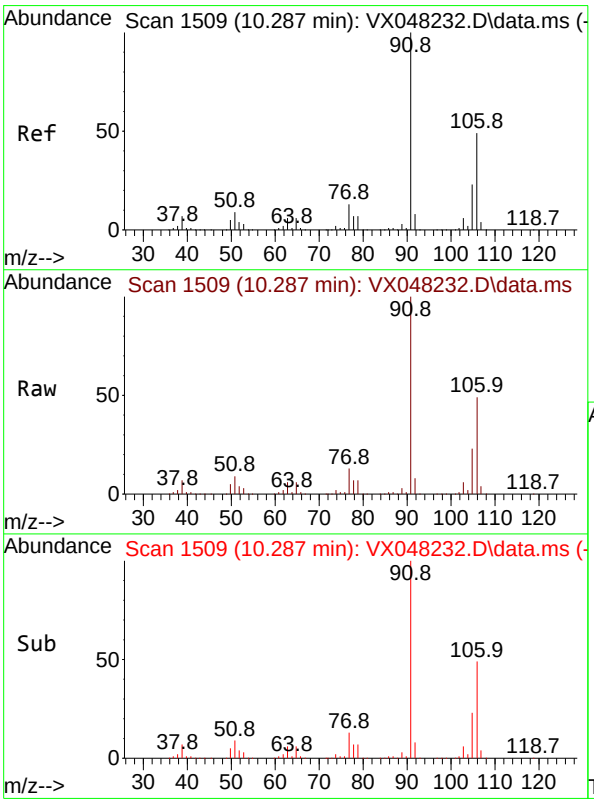
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.1 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

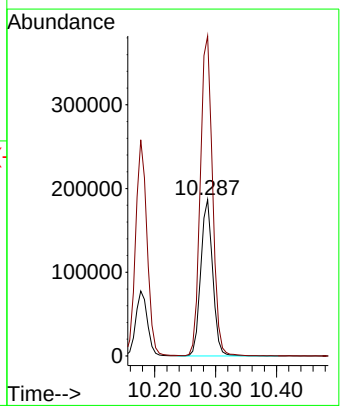
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

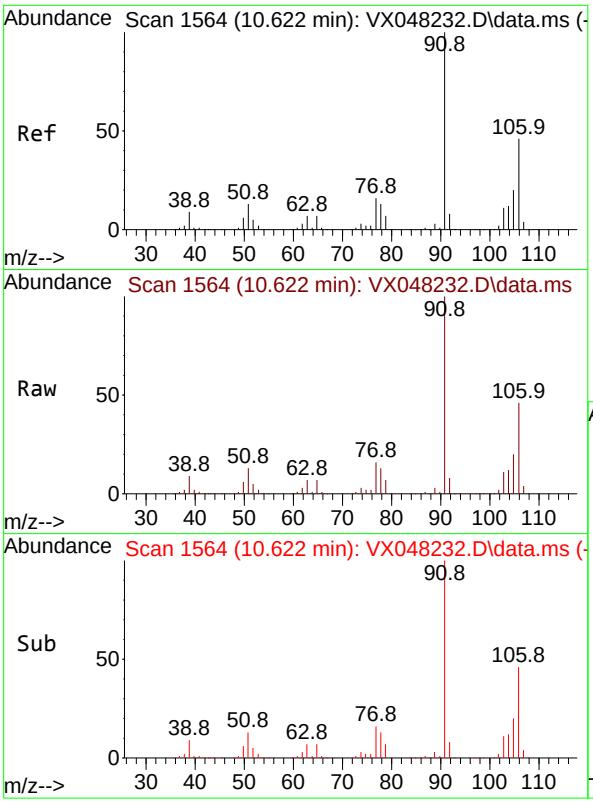



#68
m/p-Xylenes
Concen: 98.455 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:106 Resp: 253662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.1 | 167.9 | 251.9 |

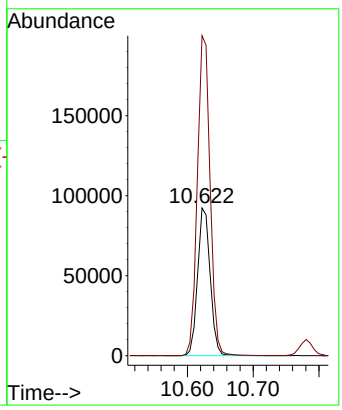





#69
o-Xylene
Concen: 50.542 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:106 Resp: 12258

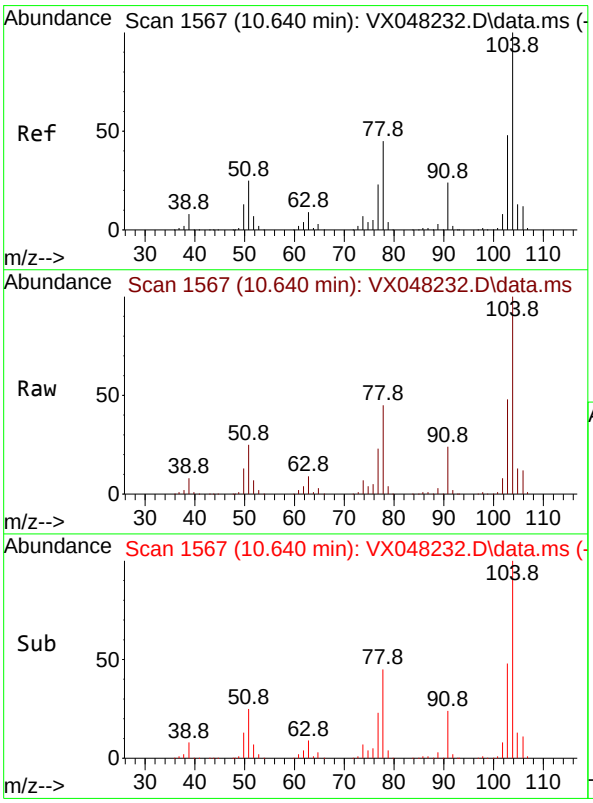
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.2 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

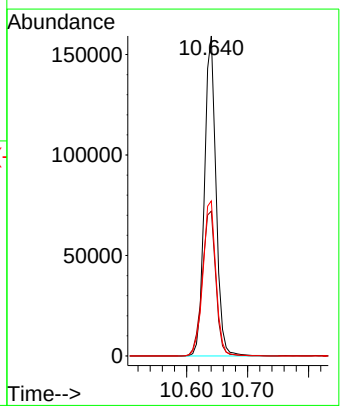
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

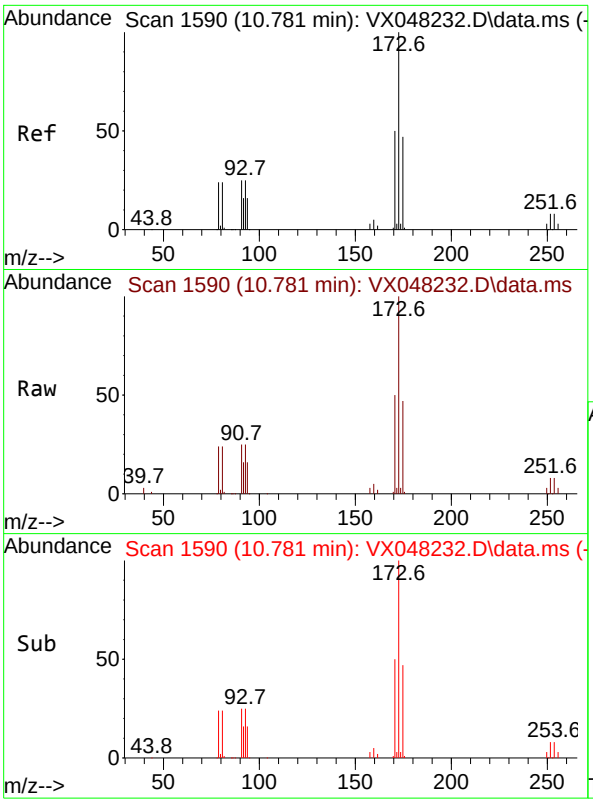



#70
Styrene
Concen: 50.508 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:104 Resp: 210861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.8 | 42.2 | 63.4 |
| 103 | 54.4 | 43.0 | 64.4 |

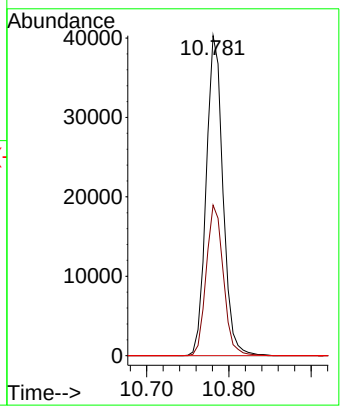





#71
Bromoform
Concen: 53.279 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:173 Resp: 5687

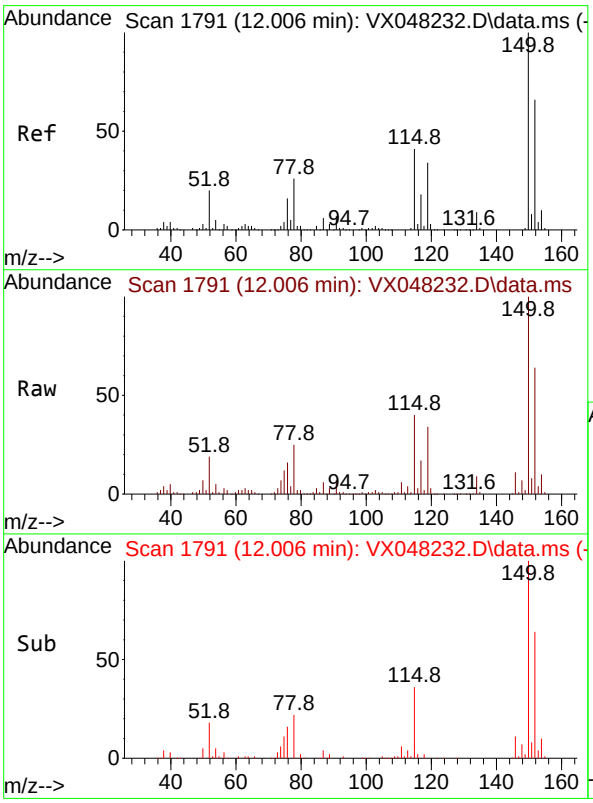
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.2 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

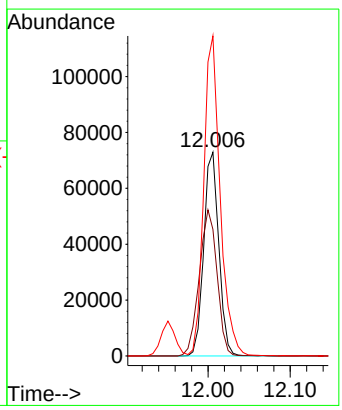
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

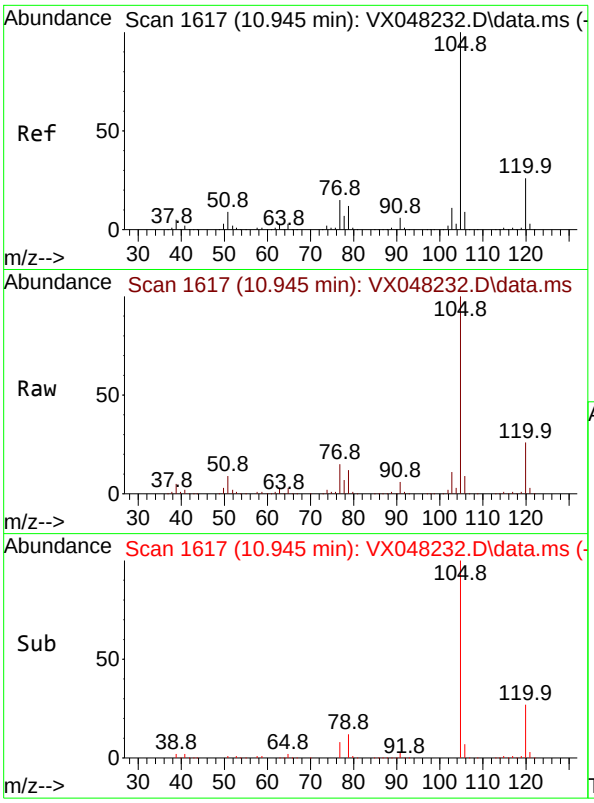



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:152 Resp: 92693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.9 | 43.1 | 129.4 |
| 150 | 171.1 | 0.0 | 353.0 |

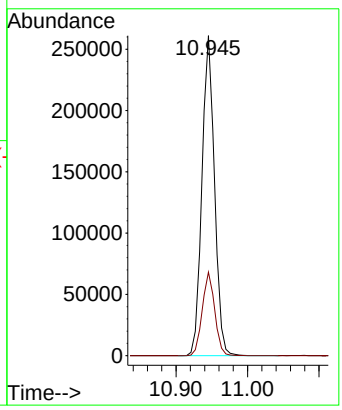





#73
Isopropylbenzene
Concen: 49.321 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:105 Resp: 31797

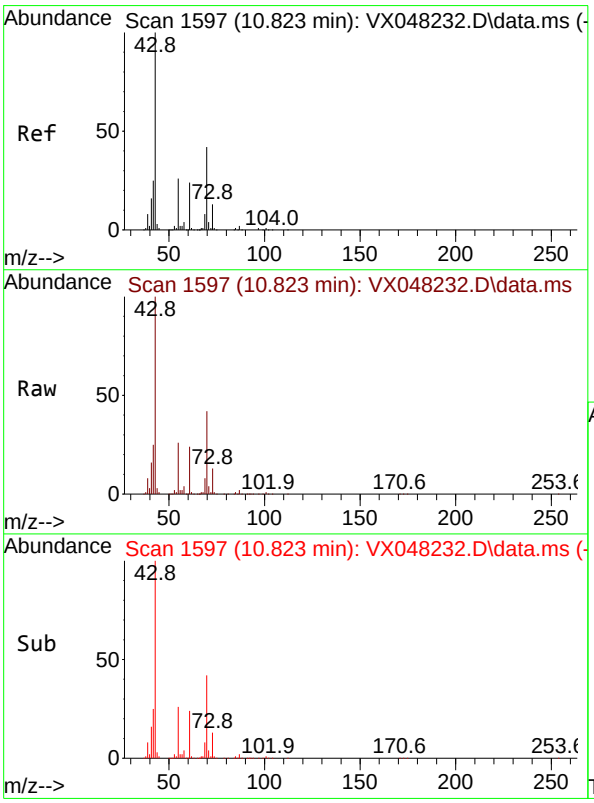
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

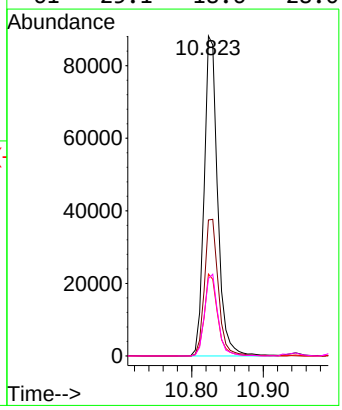
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

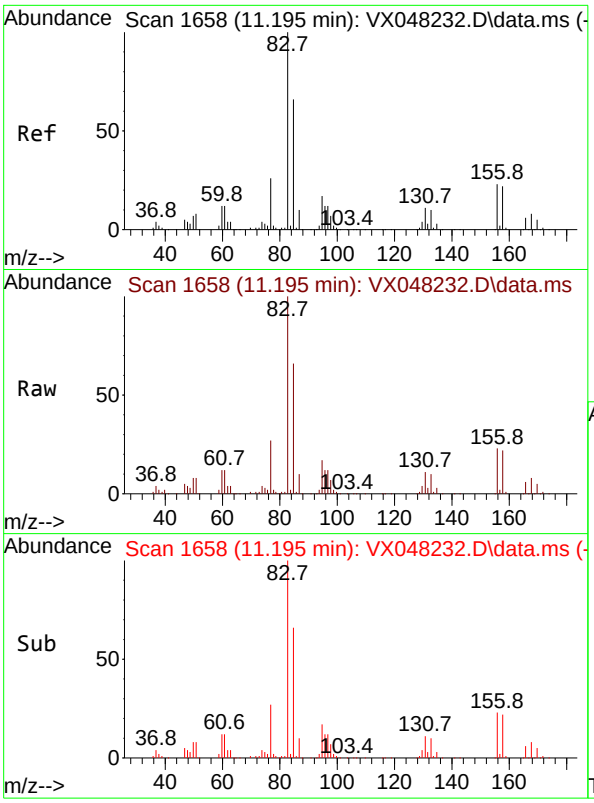



#74
N-amyl acetate
Concen: 48.098 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 115683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 43.8 | 32.2 | 48.2 |
| 55 | 25.1 | 19.1 | 28.7 |
| 61 | 25.1 | 18.6 | 28.0 |

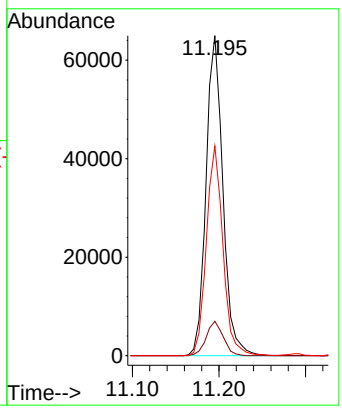





#75
1,1,2,2-Tetrachloroethane
Concen: 48.020 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 83 Resp: 8770

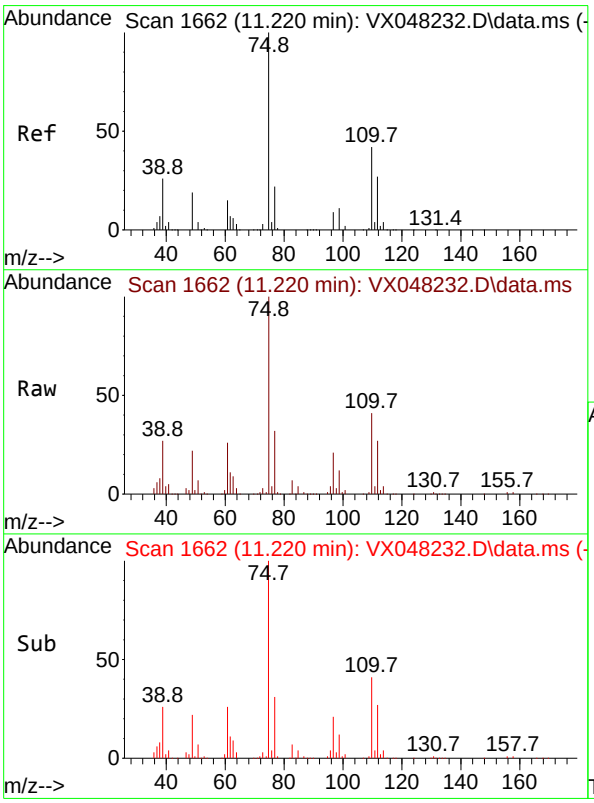
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 4.8 | 14.4 |
| 85 | 64.5 | 31.9 | 95.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

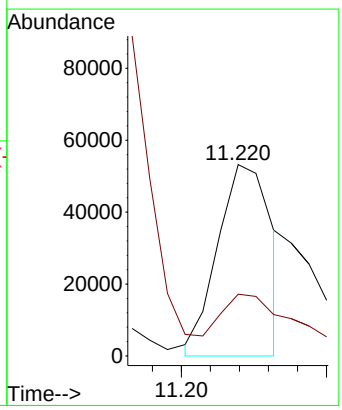
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

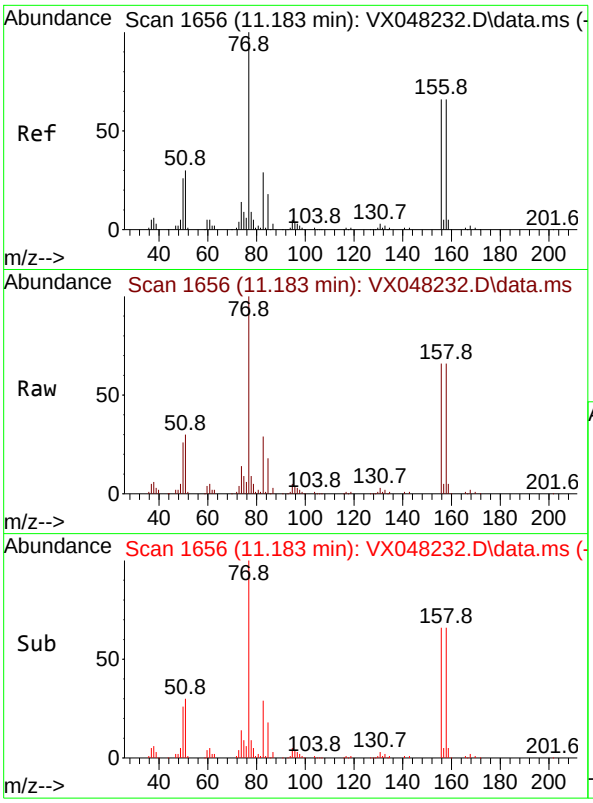



#76
1,2,3-Trichloropropane
Concen: 48.115 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 68104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 45.1 | 22.4 | 67.2 |

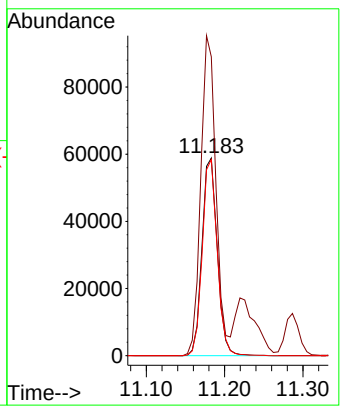





#77
Bromobenzene
Concen: 49.303 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:156 Resp: 7954

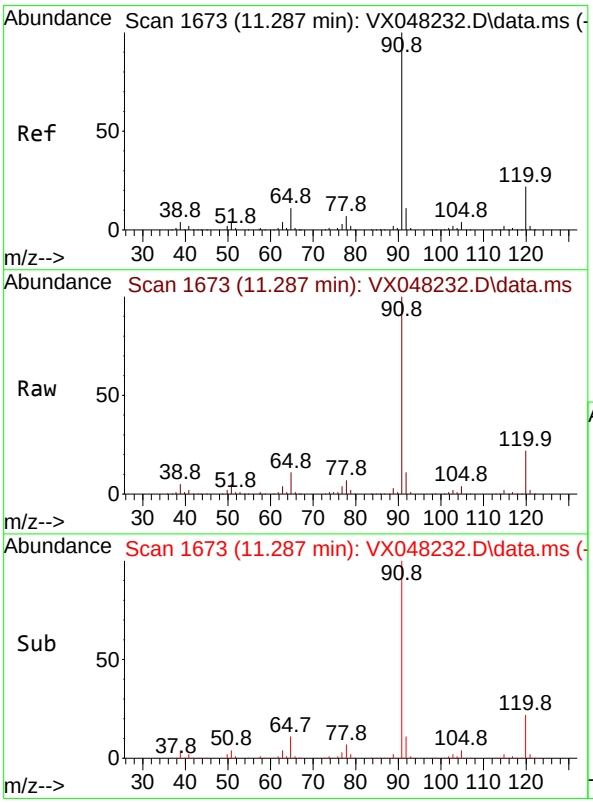
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 161.6 | 87.0 | 261.0 |
| 158 | 97.3 | 47.8 | 143.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

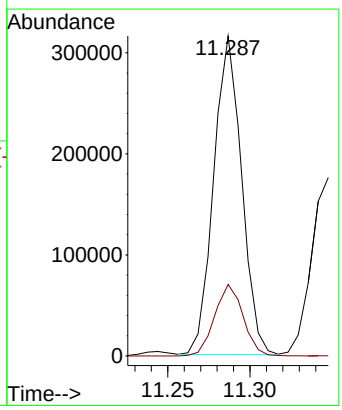
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

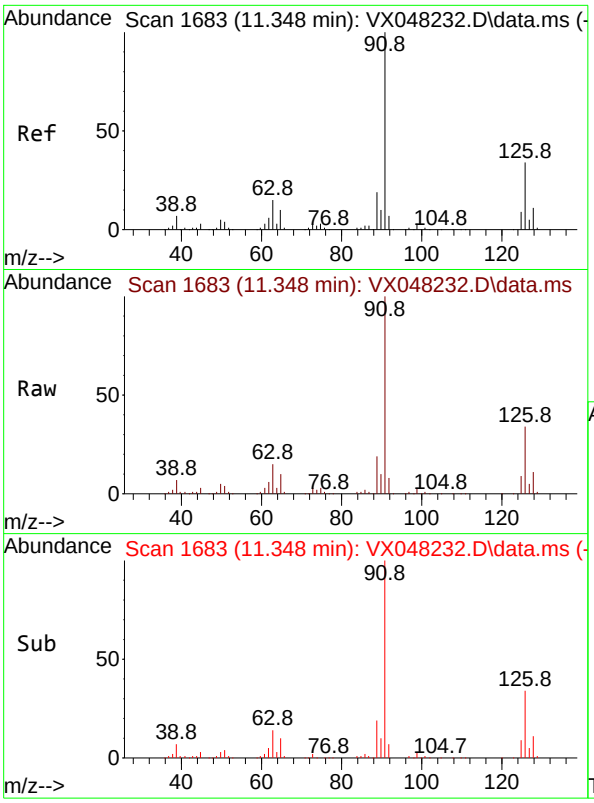



#78
n-propylbenzene
Concen: 47.621 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 91 Resp: 372312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.1 | 33.1 |

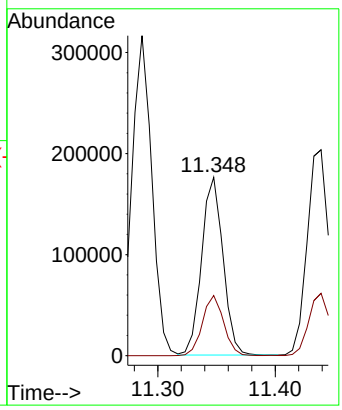





#79
2-Chlorotoluene
Concen: 47.045 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 91 Resp: 22221

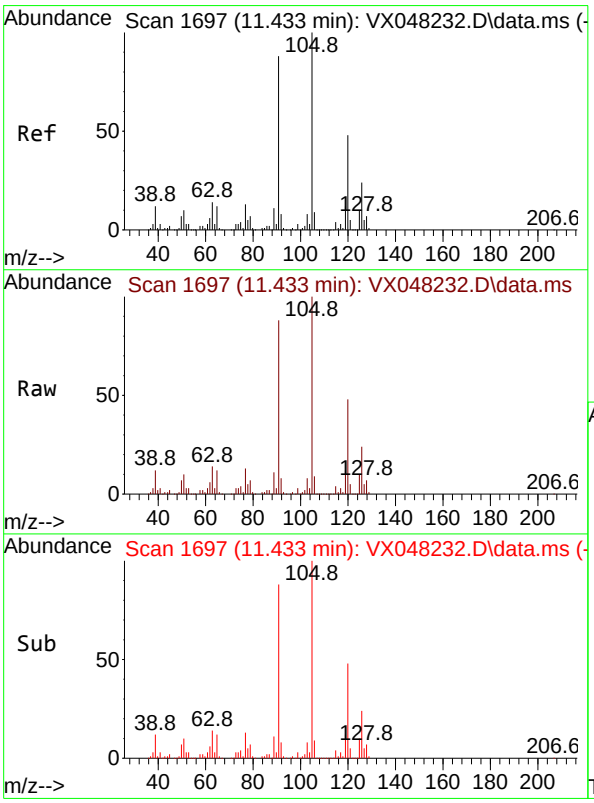
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 16.4 | 49.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

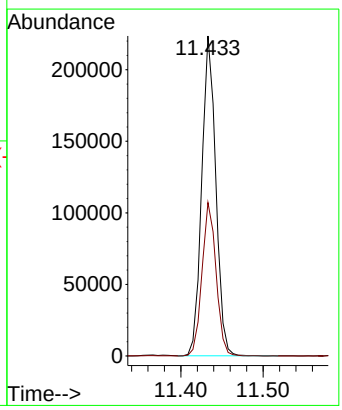
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

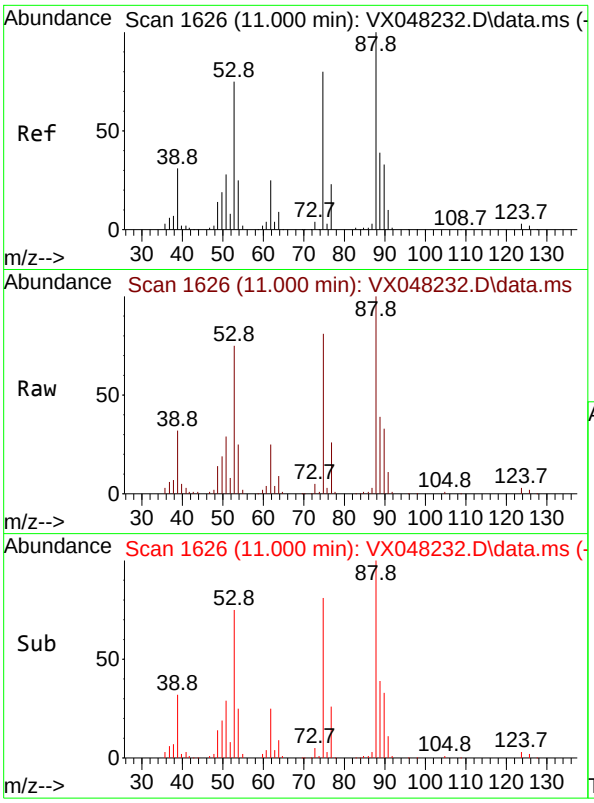



#80
1,3,5-Trimethylbenzene
Concen: 50.108 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:105 Resp: 265174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.1 | 24.0 | 72.0 |

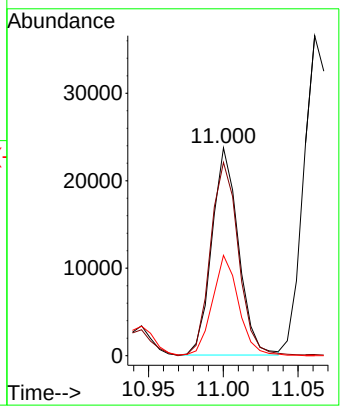





#81
trans-1,4-Dichloro-2-butene
Concen: 50.678 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 2929

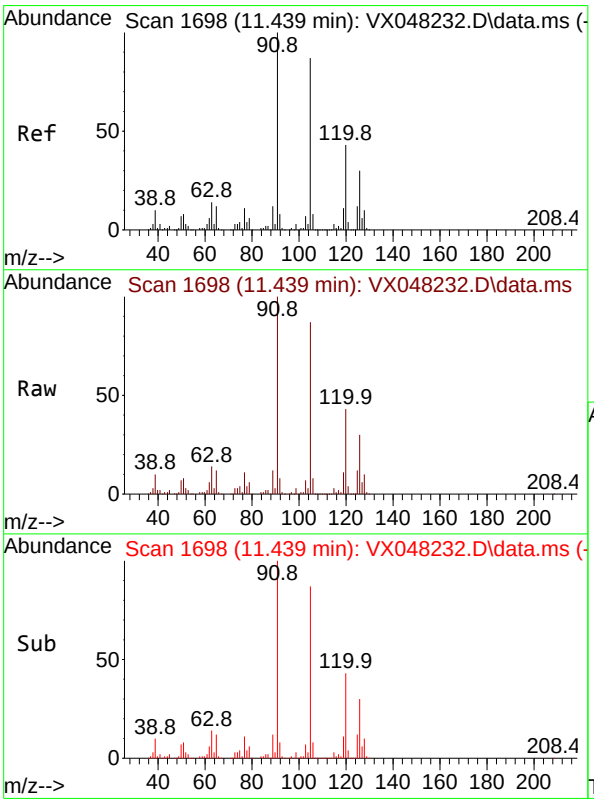
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 98.5 | 79.5 | 119.3 |
| 89 | 48.0 | 36.8 | 55.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

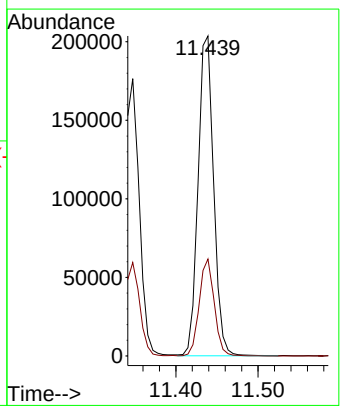
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

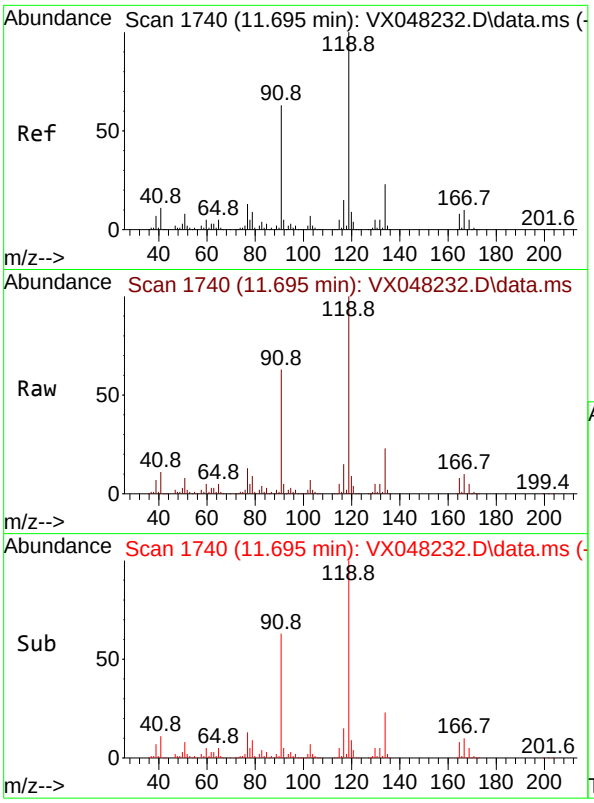



#82
4-Chlorotoluene
Concen: 48.142 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 91 Resp: 267236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.1 | 42.4 |

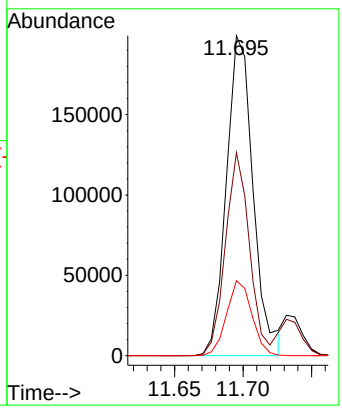





#83
tert-Butylbenzene
Concen: 50.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:119 Resp: 27020

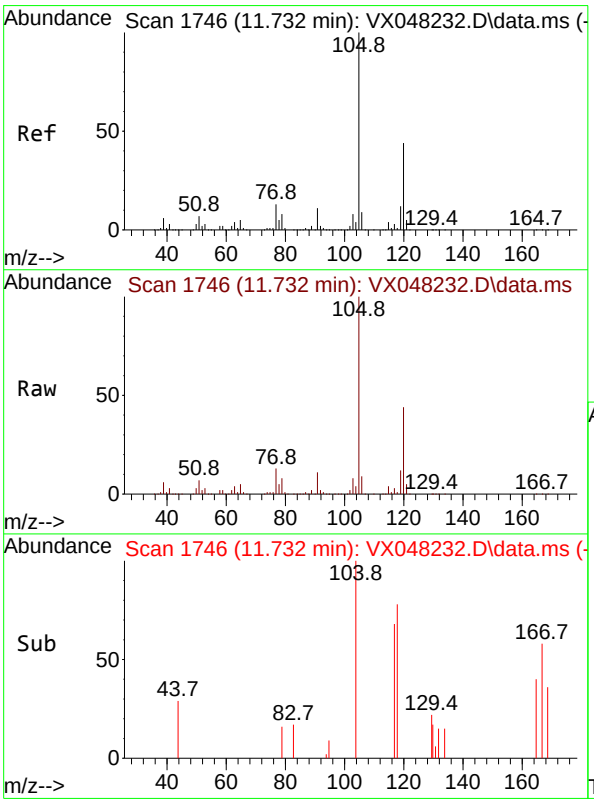
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 57.2 | 30.3 | 91.0 |
| 134 | 22.2 | 11.4 | 34.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

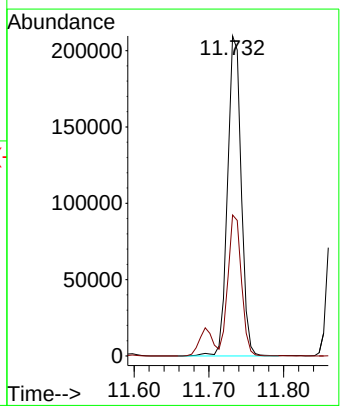
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

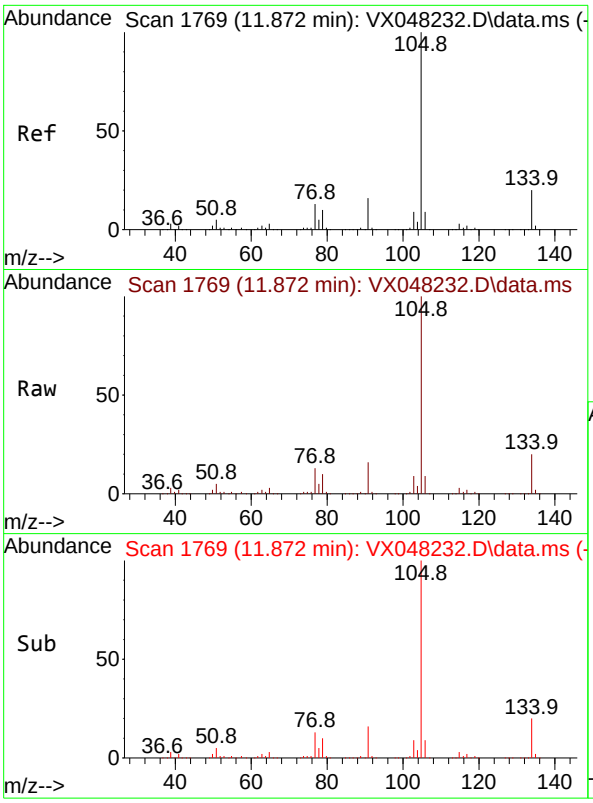



#84
1,2,4-Trimethylbenzene
Concen: 50.381 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:105 Resp: 265485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 22.1 | 66.5 |

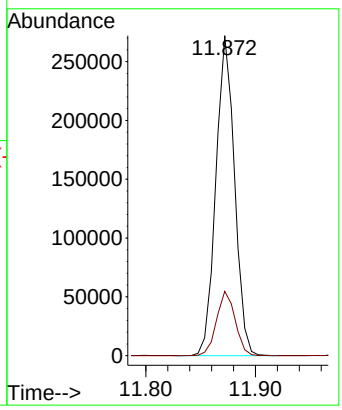





#85
sec-Butylbenzene
Concen: 49.298 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:105 Resp: 32221

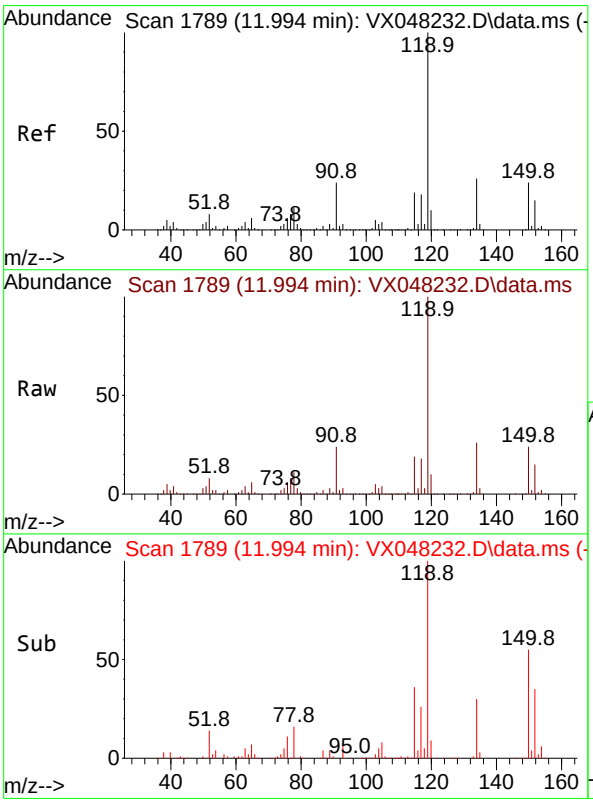
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 10.1 | 30.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

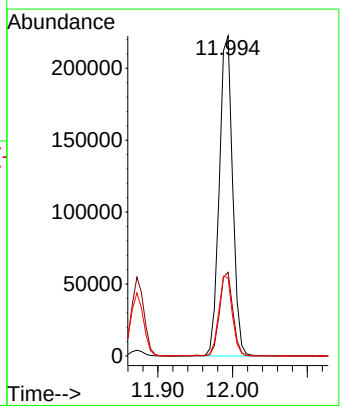
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

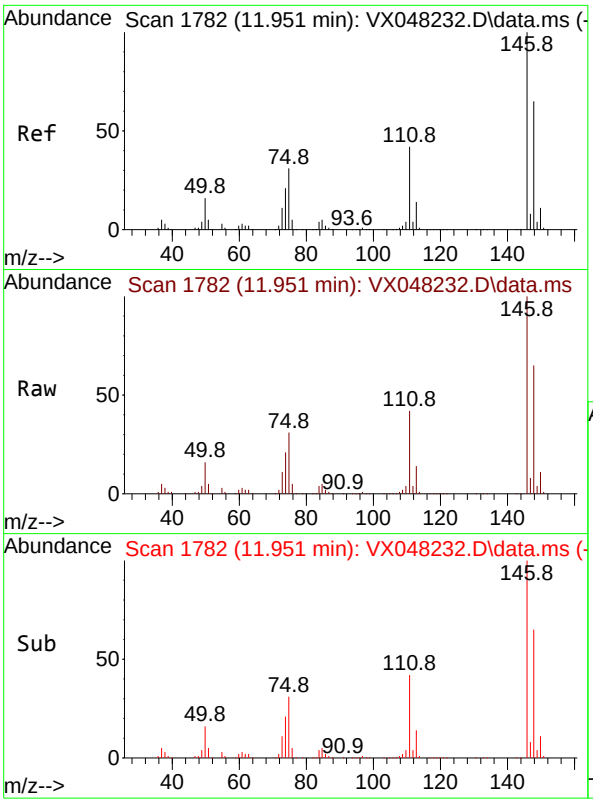



#86
p-Isopropyltoluene
Concen: 50.246 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:119 Resp: 276821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 13.0 | 39.0 |
| 91 | 25.3 | 12.1 | 36.3 |

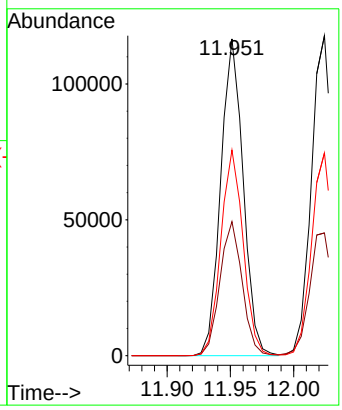





#87
1,3-Dichlorobenzene
Concen: 47.627 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:146 Resp: 14369

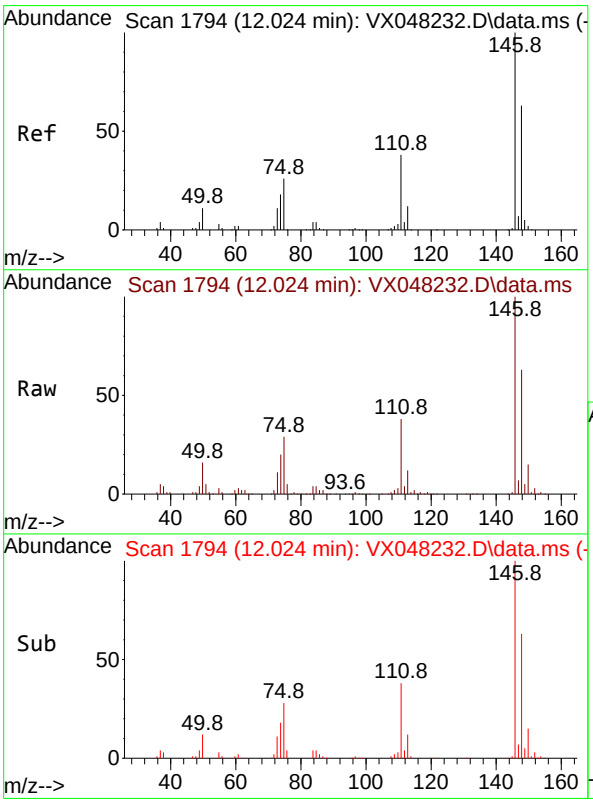
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 20.4 | 61.2 |
| 148 | 64.6 | 31.9 | 95.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

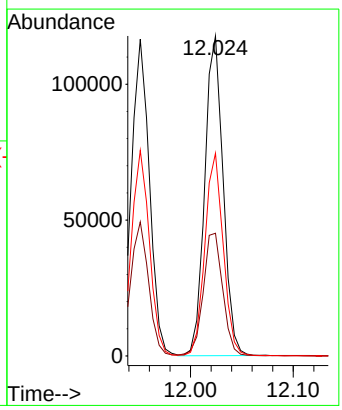
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

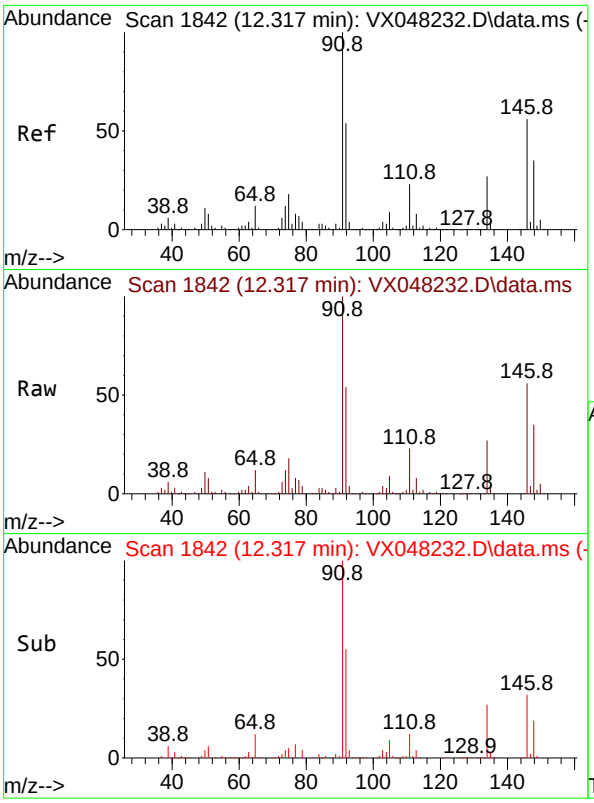



#88
1,4-Dichlorobenzene
Concen: 46.744 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:146 Resp: 146196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 20.1 | 60.2 |
| 148 | 63.3 | 31.8 | 95.3 |

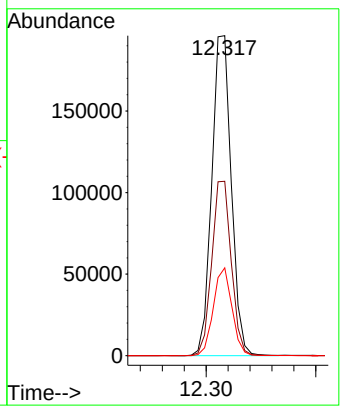





#89
n-Butylbenzene
Concen: 47.367 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 91 Resp: 24306

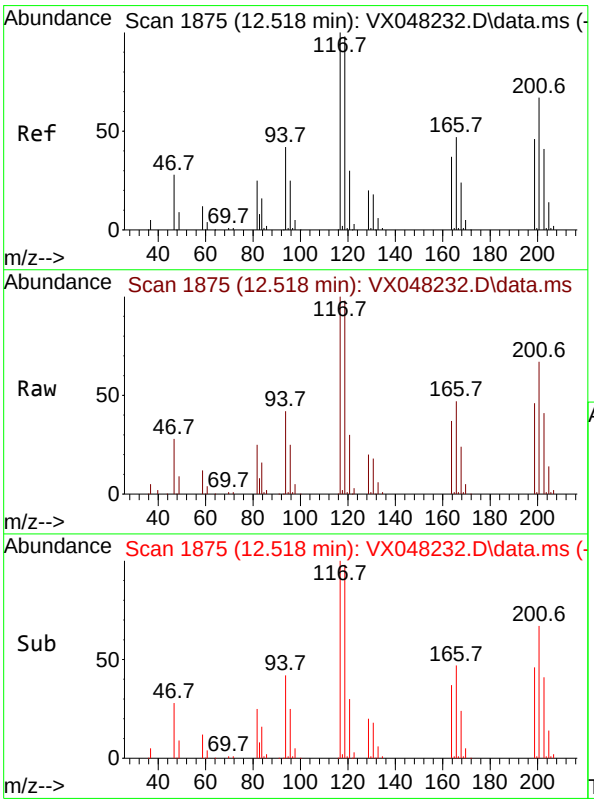
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.5 | 26.9 | 80.6 |
| 134 | 26.2 | 12.7 | 38.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

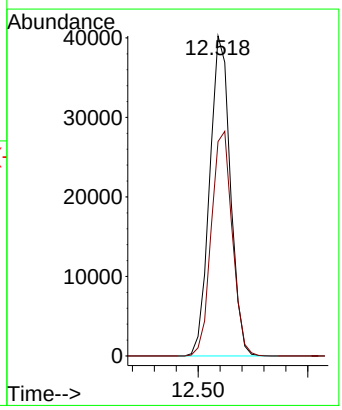
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

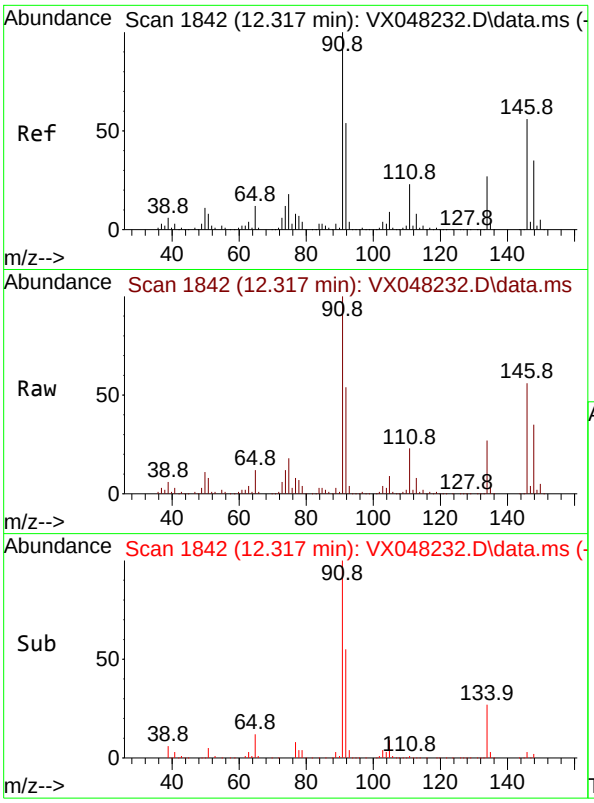



#90
Hexachloroethane
Concen: 45.350 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:117 Resp: 52735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.2 | 34.1 | 102.2 |

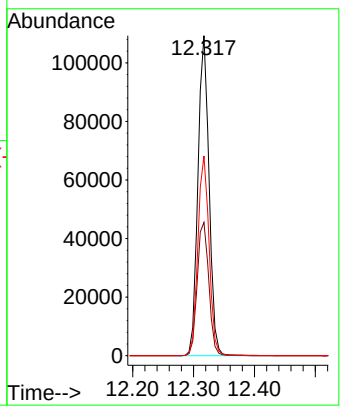





#91
1,2-Dichlorobenzene
Concen: 48.582 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:146 Resp: 13848

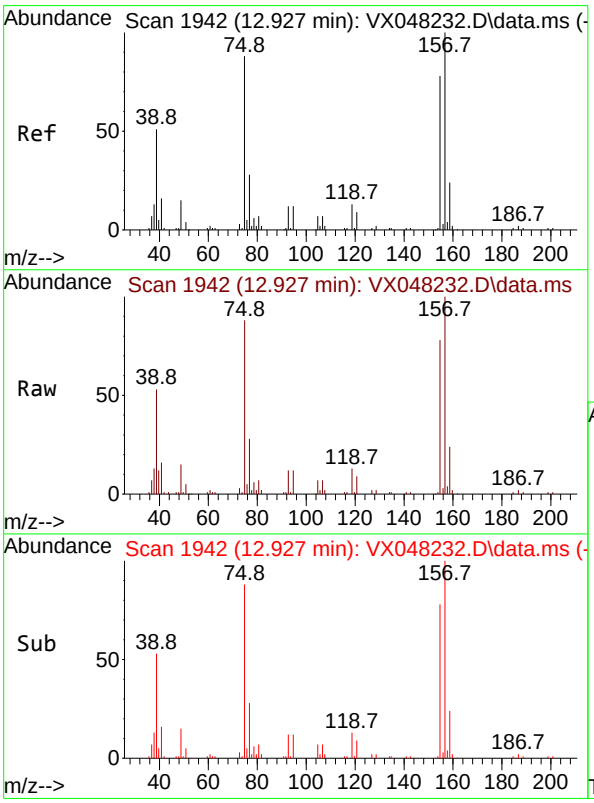
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.9 | 65.5 |
| 148 | 62.9 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

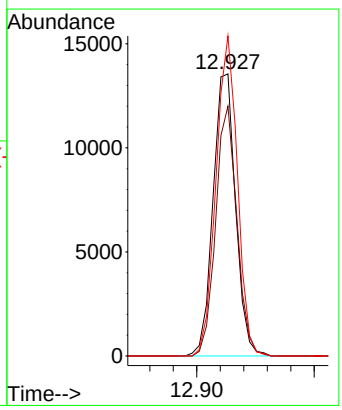
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

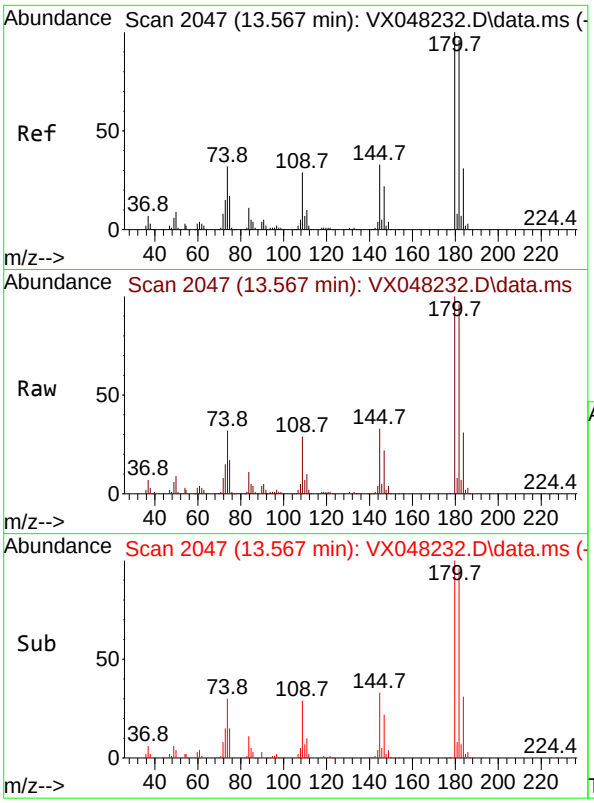



#92
1,2-Dibromo-3-Chloropropane
Concen: 54.111 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 18059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.5 | 42.8 | 128.4 |
| 157 | 108.0 | 54.2 | 162.6 |

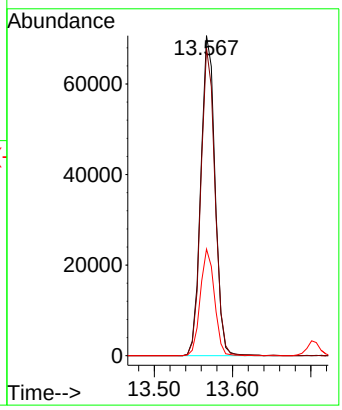





#93
1,2,4-Trichlorobenzene
Concen: 52.839 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:180 Resp: 8892

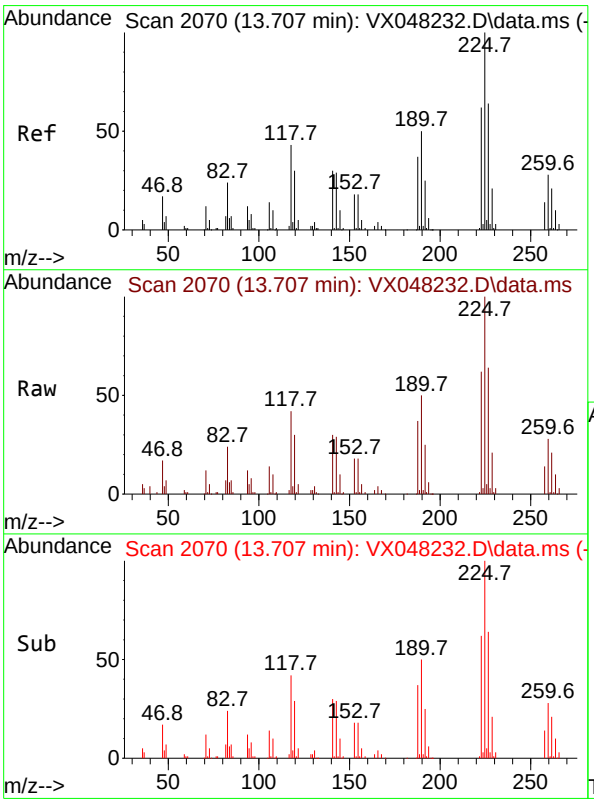
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 47.3 | 142.0 |
| 145 | 33.1 | 16.3 | 48.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

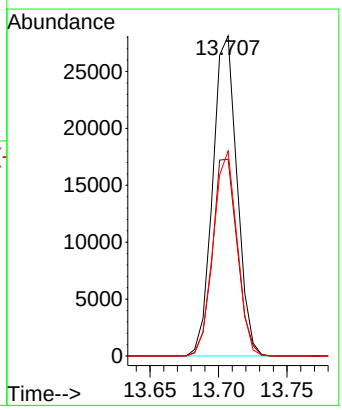
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

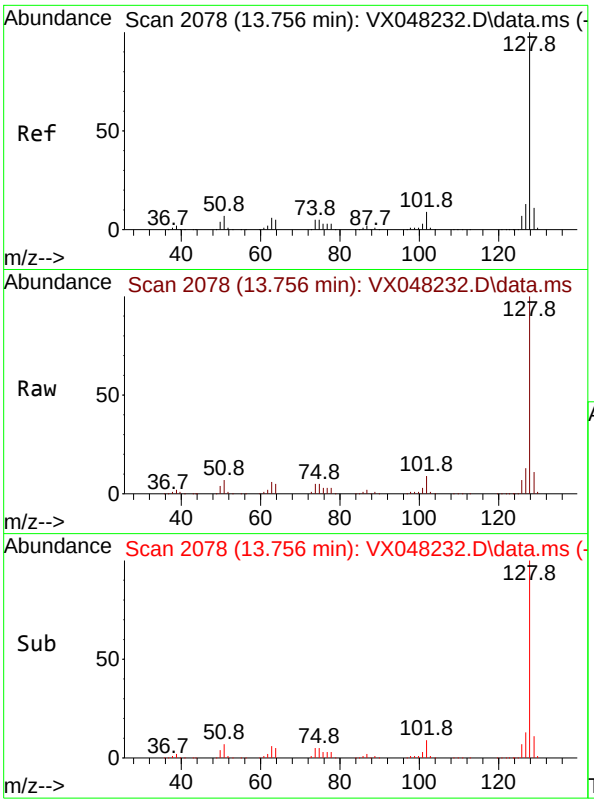



#94
Hexachlorobutadiene
Concen: 53.334 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:225 Resp: 34615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 32.6 | 97.7 |
| 227 | 62.9 | 32.5 | 97.4 |

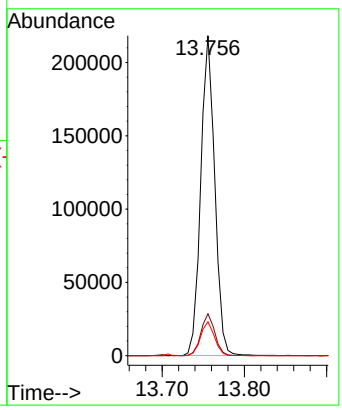





#95
Naphthalene
Concen: 57.999 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:128 Resp: 25728

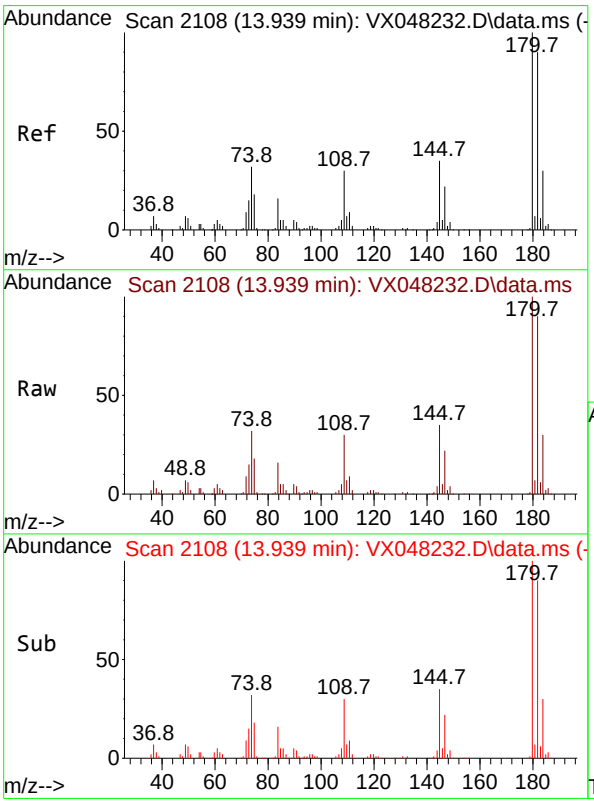
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.2 | 15.4 |
| 129 | 10.6 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

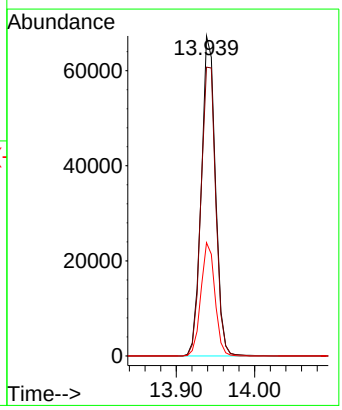
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 54.281 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:180 Resp: 84279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 46.6 | 139.7 |
| 145 | 35.0 | 16.9 | 50.7 |



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048233.D
Acq On : 20 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 20 12:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 117551 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.750 | 114 | 187766 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.036 | 117 | 163588 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 80621 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 162188 | 89.060 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 178.120%# | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 129919 | 99.697 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 199.400%# | | | |
| 50) Toluene-d8 | 8.634 | 98 | 448948 | 95.629 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 191.260%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 167565 | 97.996 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 196.000%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 127029 | 102.960 | ug/l | 97 |
| 3) Chloromethane | 1.300 | 50 | 111895 | 74.863 | ug/l | 100 |
| 4) Vinyl Chloride | 1.379 | 62 | 108564 | 68.931 | ug/l | 100 |
| 5) Bromomethane | 1.605 | 94 | 65752 | 62.780 | ug/l | 99 |
| 6) Chloroethane | 1.690 | 64 | 66332 | 66.181 | ug/l | 92 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 213301 | 86.283 | ug/l | 98 |
| 8) Diethyl Ether | 2.135 | 74 | 58302 | 69.141 | ug/l | 88 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 136951 | 98.309 | ug/l | 96 |
| 10) Methyl Iodide | 2.452 | 142 | 183697 | 110.092 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.952 | 59 | 78284 | 647.864 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.324 | 96 | 131152 | 96.282 | ug/l | 93 |
| 13) Acrolein | 2.239 | 56 | 87244 | 343.554 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 214290 | 87.456 | ug/l | 98 |
| 15) Acrylonitrile | 3.056 | 53 | 298022 | 514.707 | ug/l | 100 |
| 16) Acetone | 2.373 | 43 | 260058 | 418.616 | ug/l | 99 |
| 17) Carbon Disulfide | 2.513 | 76 | 380127 | 90.700 | ug/l | 99 |
| 18) Methyl Acetate | 2.702 | 43 | 120920 | 95.565 | ug/l | 93 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 427254 | 104.130 | ug/l | 97 |
| 20) Methylene Chloride | 2.788 | 84 | 140317 | 92.718 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 139080 | 98.694 | ug/l | 96 |
| 22) Diisopropyl ether | 3.751 | 45 | 420126 | 87.566 | ug/l | 89 |
| 23) Vinyl Acetate | 3.714 | 43 | 1723170 | 480.325 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 248141 | 91.164 | ug/l | 99 |
| 25) 2-Butanone | 4.543 | 43 | 353741 | 488.753 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.470 | 77 | 228643 | 98.275 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 163444 | 97.727 | ug/l | 98 |
| 28) Bromochloromethane | 4.885 | 49 | 108536 | 86.505 | ug/l | 86 |
| 29) Tetrahydrofuran | 4.989 | 42 | 216543 | 509.471 | ug/l | 93 |
| 30) Chloroform | 5.080 | 83 | 264966 | 92.461 | ug/l | 98 |
| 31) Cyclohexane | 5.464 | 56 | 217717 | 97.754 | ug/l | 91 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 248018 | 105.334 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 183932 | 100.194 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 153844 | 104.863 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 226976 | 107.719 | ug/l | 99 |
| 39) Methylcyclohexane | 7.366 | 83 | 235208 | 113.637 | ug/l | 95 |
| 40) Benzene | 6.025 | 78 | 535407 | 98.221 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048233.D
Acq On : 20 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 20 12:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.909 | 41 | 83790 | 106.641 ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 198348 | 101.562 ug/l | | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 256067 | 103.976 ug/l | | 95 |
| 44) Trichloroethene | 7.110 | 130 | 142779 | 103.931 ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 130188 | 94.368 ug/l | | 96 |
| 46) Dibromomethane | 7.567 | 93 | 98105 | 98.835 ug/l | | 94 |
| 47) Bromodichloromethane | 7.805 | 83 | 215302 | 100.358 ug/l | | 99 |
| 48) Methyl methacrylate | 7.677 | 41 | 131454 | 104.272 ug/l | | 95 |
| 49) 1,4-Dioxane | 7.647 | 88 | 35972 | 3169.845 ug/l | | 89 |
| 51) 4-Methyl-2-Pentanone | 8.561 | 43 | 720980 | 526.103 ug/l | | 94 |
| 52) Toluene | 8.701 | 92 | 341597 | 104.263 ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.963 | 75 | 215736 | 107.341 ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 231037 | 105.465 ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 124910 | 102.180 ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 196699 | 118.305 ug/l | | 94 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 214853 | 100.598 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 505448 | 592.044 ug/l | | 96 |
| 59) 2-Hexanone | 9.415 | 43 | 509398 | 531.416 ug/l | | 95 |
| 60) Dibromochloromethane | 9.506 | 129 | 166167 | 108.598 ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.591 | 107 | 134662 | 107.431 ug/l | | 97 |
| 64) Tetrachloroethene | 9.256 | 164 | 121163 | 105.633 ug/l | | 97 |
| 65) Chlorobenzene | 10.061 | 112 | 375532 | 104.990 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 140599 | 109.080 ug/l | | 97 |
| 67) Ethyl Benzene | 10.177 | 91 | 656925 | 107.128 ug/l | | 98 |
| 68) m/p-Xylenes | 10.286 | 106 | 490879 | 214.875 ug/l | | 100 |
| 69) o-Xylene | 10.622 | 106 | 236648 | 110.042 ug/l | | 100 |
| 70) Styrene | 10.640 | 104 | 407916 | 110.197 ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 109613 | 115.806 ug/l | # | 98 |
| 73) Isopropylbenzene | 10.945 | 105 | 624767 | 111.418 ug/l | | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 228080 | 109.030 ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 164207 | 103.367 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 130599m | 106.083 ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 153619 | 109.475 ug/l | | 93 |
| 78) n-propylbenzene | 11.286 | 91 | 732684 | 107.747 ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 434217 | 105.691 ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.432 | 105 | 519549 | 112.876 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 59059 | 117.466 ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 506861 | 104.983 ug/l | | 98 |
| 83) tert-Butylbenzene | 11.695 | 119 | 529264 | 113.817 ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 523474 | 114.214 ug/l | | 99 |
| 85) sec-Butylbenzene | 11.871 | 105 | 639904 | 112.562 ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.987 | 119 | 548119 | 114.386 ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 281617 | 107.314 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 277908 | 102.163 ug/l | | 98 |
| 89) n-Butylbenzene | 12.316 | 91 | 495486 | 111.016 ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 107057 | 105.851 ug/l | | 93 |
| 91) 1,2-Dichlorobenzene | 12.316 | 146 | 261022 | 105.277 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 36087 | 124.320 ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.566 | 180 | 179562 | 122.679 ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.706 | 225 | 68645 | 121.605 ug/l | | 98 |
| 95) Naphthalene | 13.755 | 128 | 511355 | 132.536 ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.944 | 180 | 169248 | 125.328 ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048233.D
Acq On : 20 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

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

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

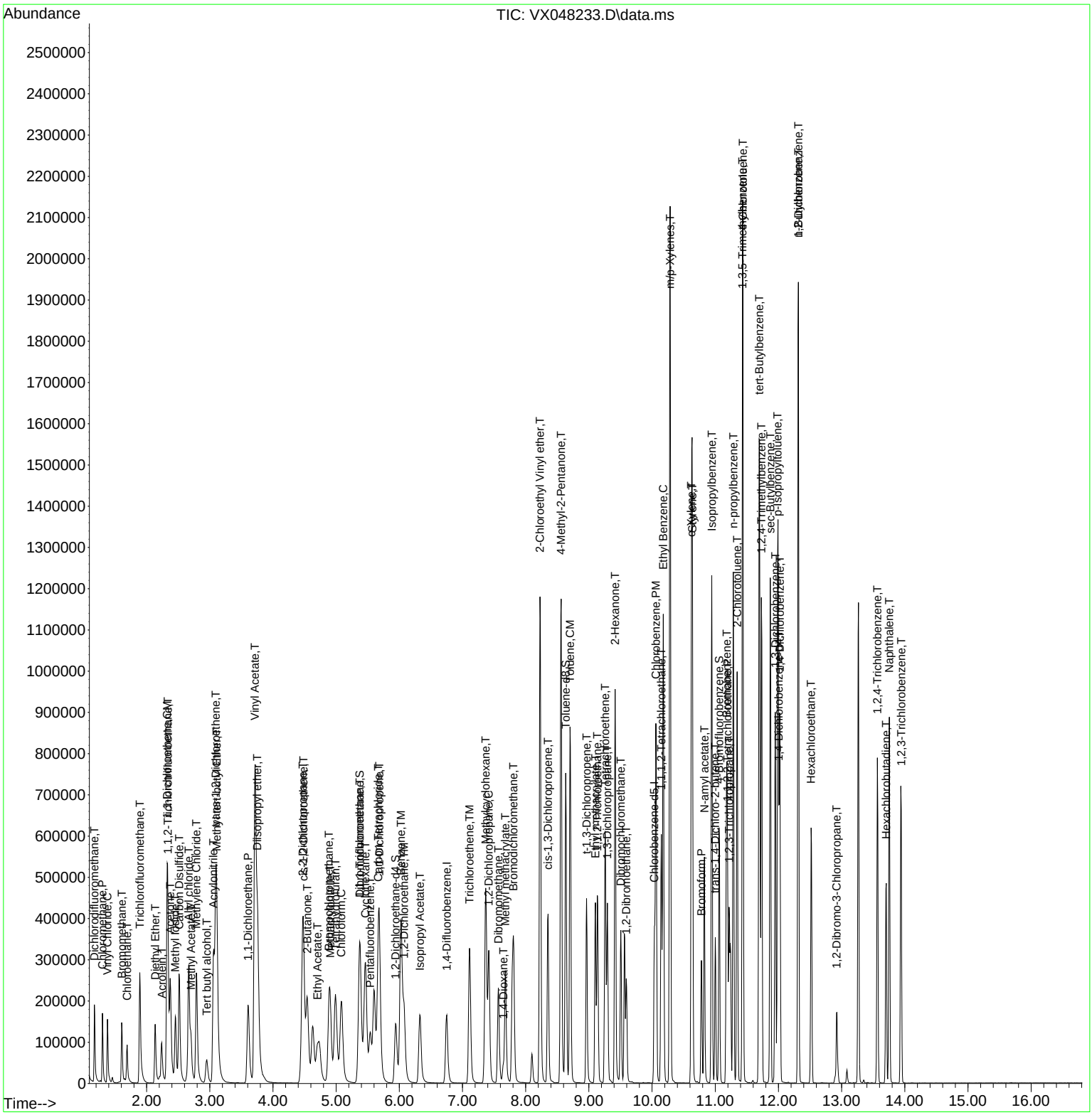
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048233.D
Acq On : 20 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

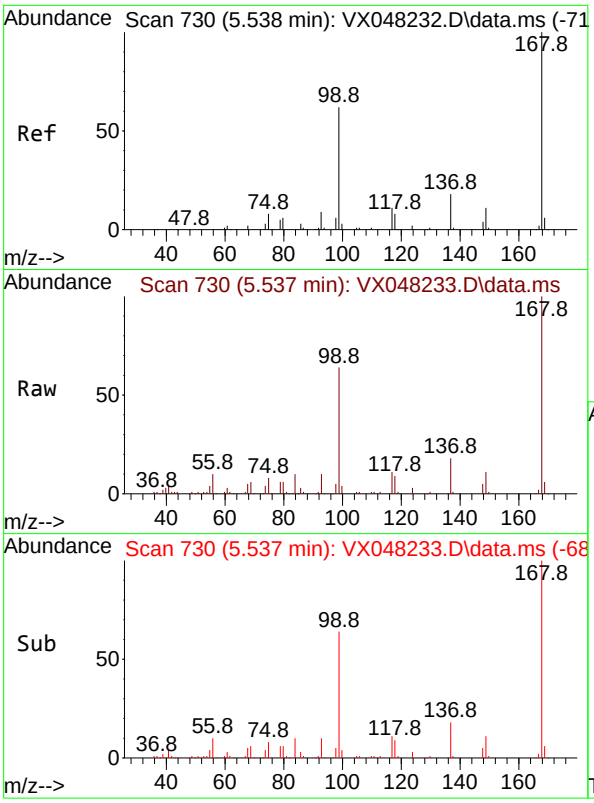
Quant Time: Oct 20 12:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

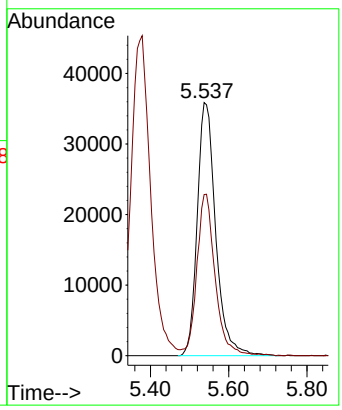





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:168 Resp: 11755

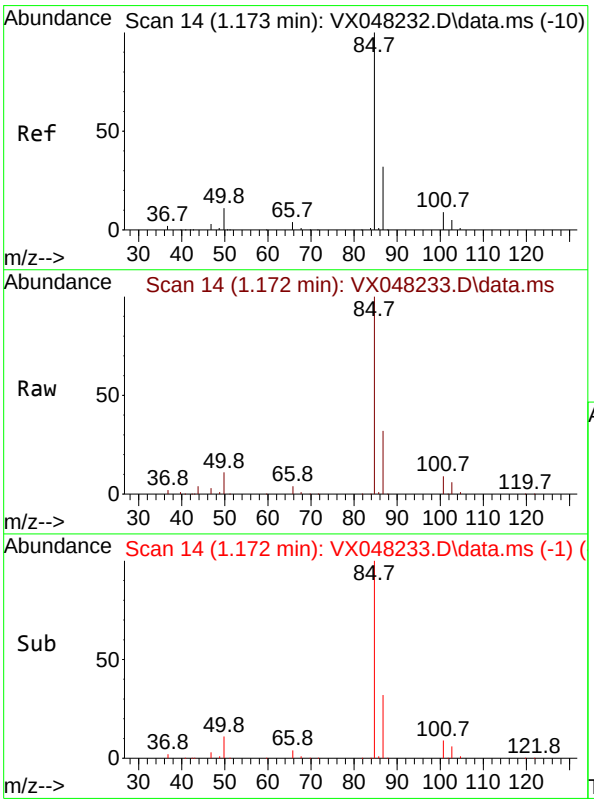
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.4 | 46.4 | 69.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

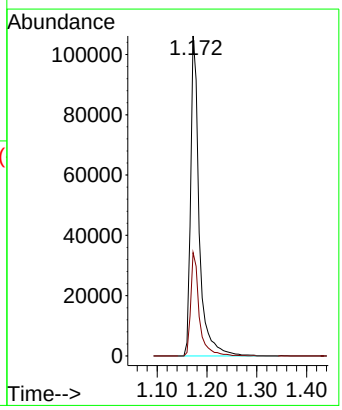
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

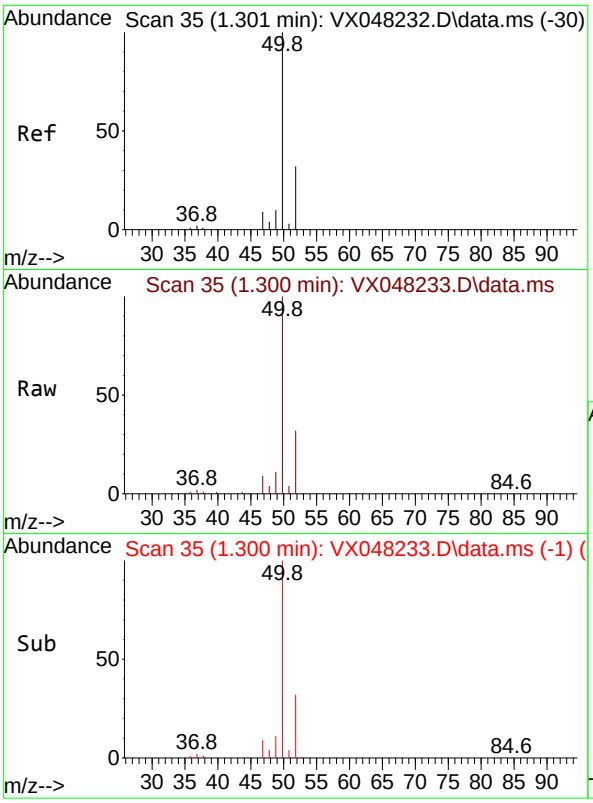



#2
Dichlorodifluoromethane
Concen: 102.960 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 85 Resp: 127029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 15.3 | 45.9 |

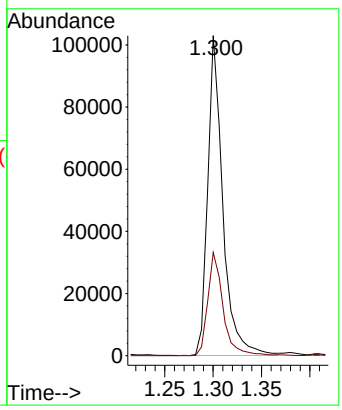





#3
Chloromethane
Concen: 74.863 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 50 Resp: 11189

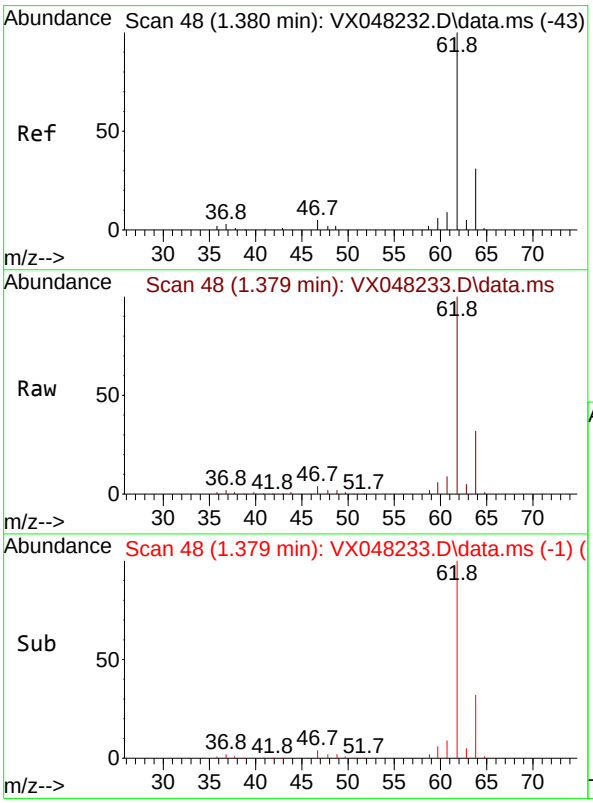
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

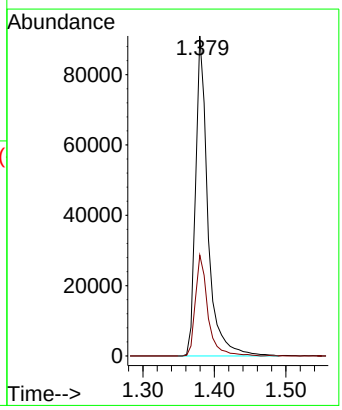
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

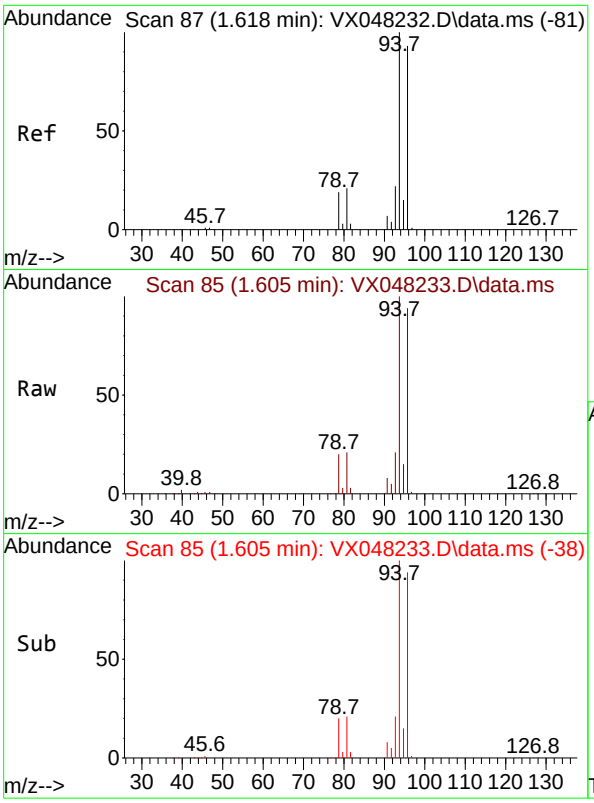



#4
Vinyl Chloride
Concen: 68.931 ug/l
RT: 1.379 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 62 Resp: 108564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 25.1 | 37.7 |

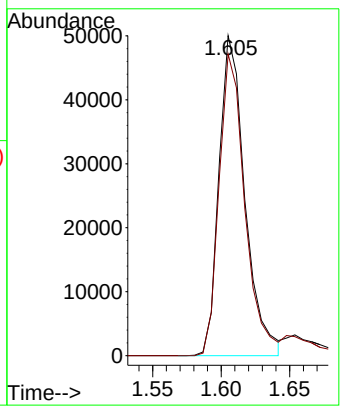





#5
Bromomethane
Concen: 62.780 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.013 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 94 Resp: 6575

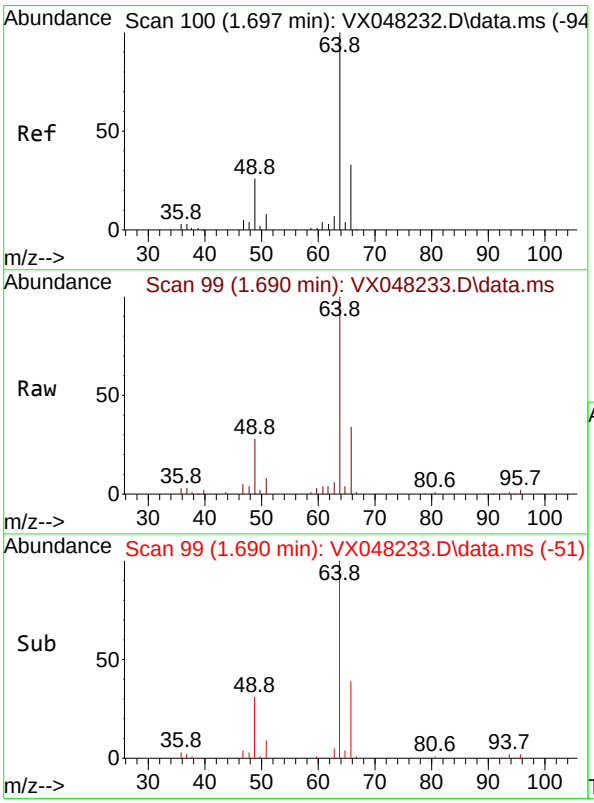
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.3 | 76.0 | 114.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

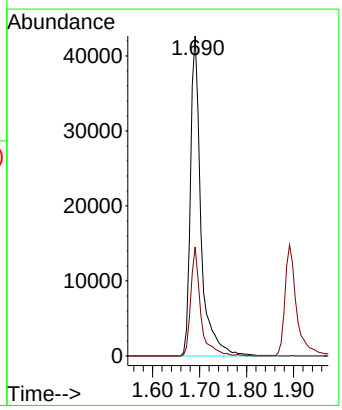
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

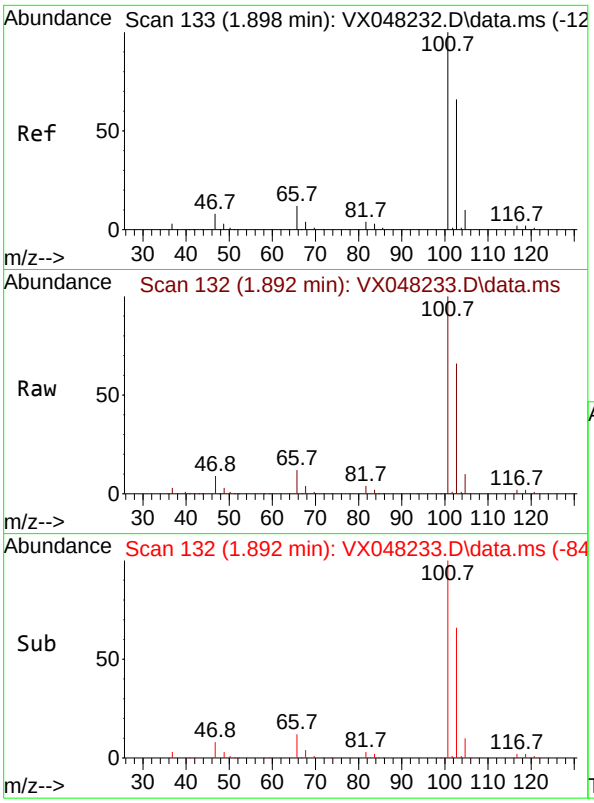



#6
Chloroethane
Concen: 66.181 ug/l
RT: 1.690 min Scan# 99
Delta R.T. -0.007 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 64 Resp: 66332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.0 | 23.9 | 35.9 |

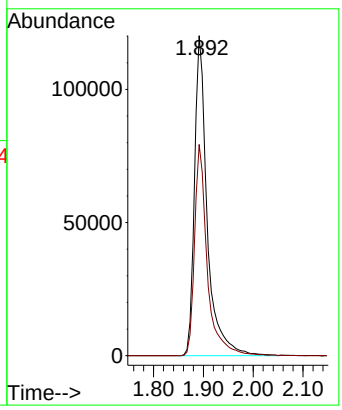





#7
Trichlorofluoromethane
Concen: 86.283 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:101 Resp: 21330

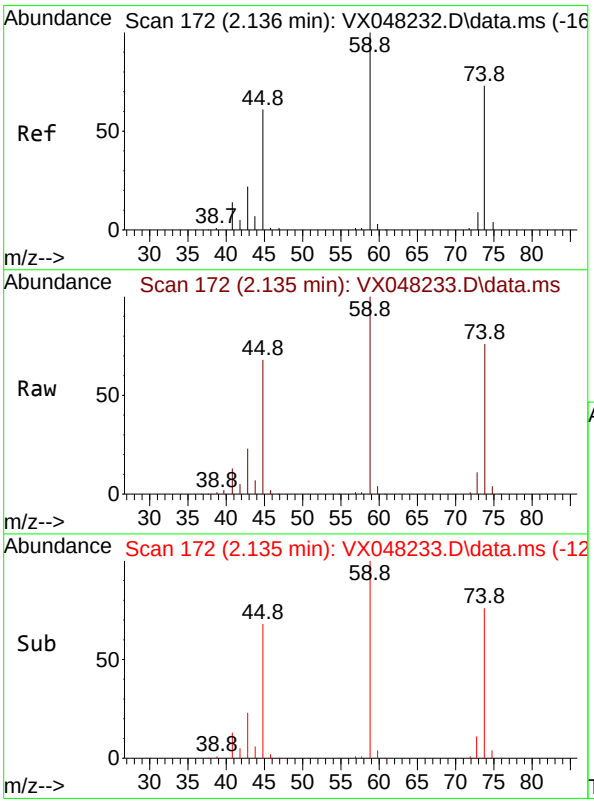
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.0 | 51.6 | 77.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

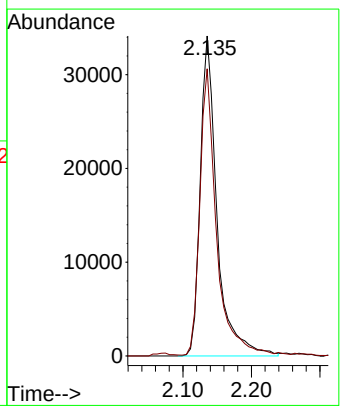
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

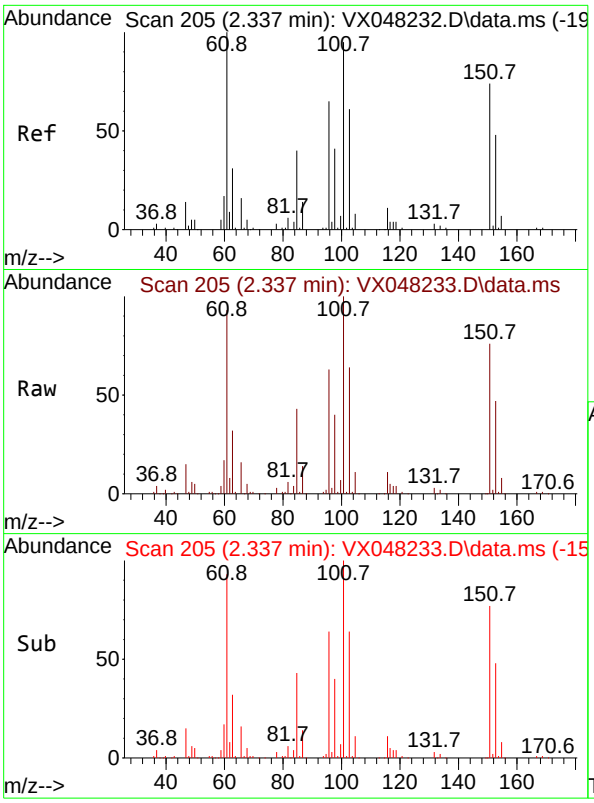



#8
Diethyl Ether
Concen: 69.141 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 74 Resp: 58302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 88.0 | 50.0 | 149.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 98.309 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

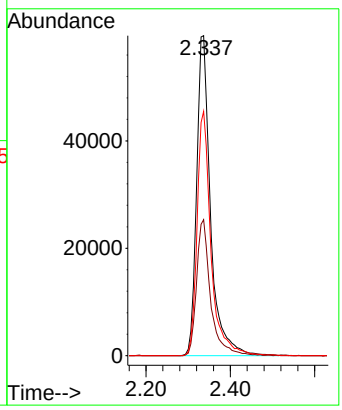
Tgt Ion:101 Resp: 13695

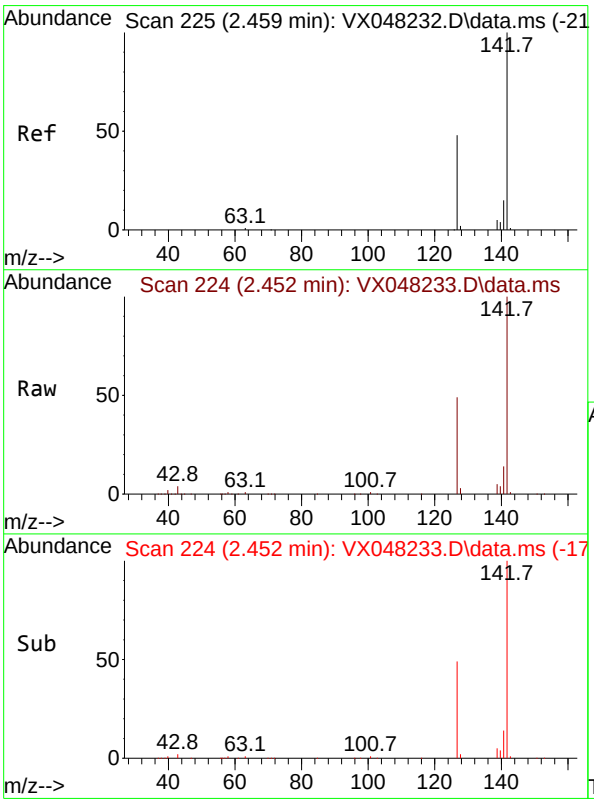
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.9 | 35.6 | 53.4 |
| 151 | 76.5 | 58.0 | 87.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

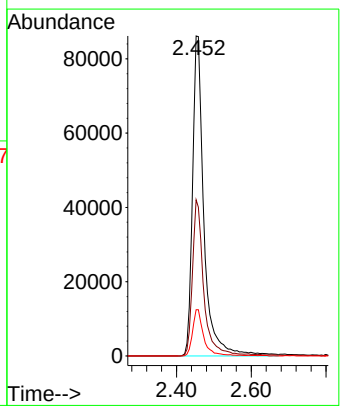


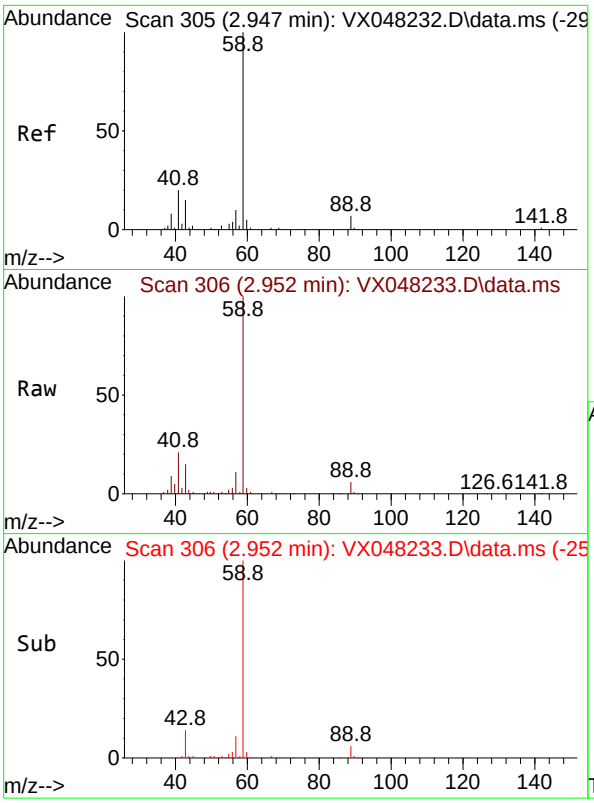




#10
Methyl Iodide
Concen: 110.092 ug/l
RT: 2.452 min Scan# 224
Delta R.T. -0.007 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:142 Resp: 183697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.6 | 38.5 | 57.7 |
| 141 | 14.1 | 11.6 | 17.4 |

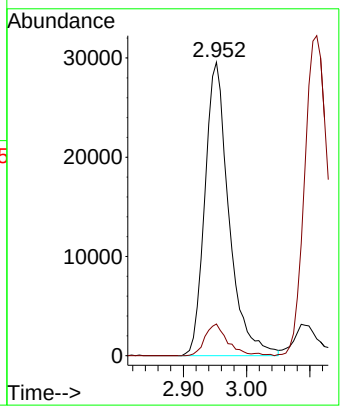





#11
Tert butyl alcohol
Concen: 647.864 ug/l
RT: 2.952 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 59 Resp: 7828

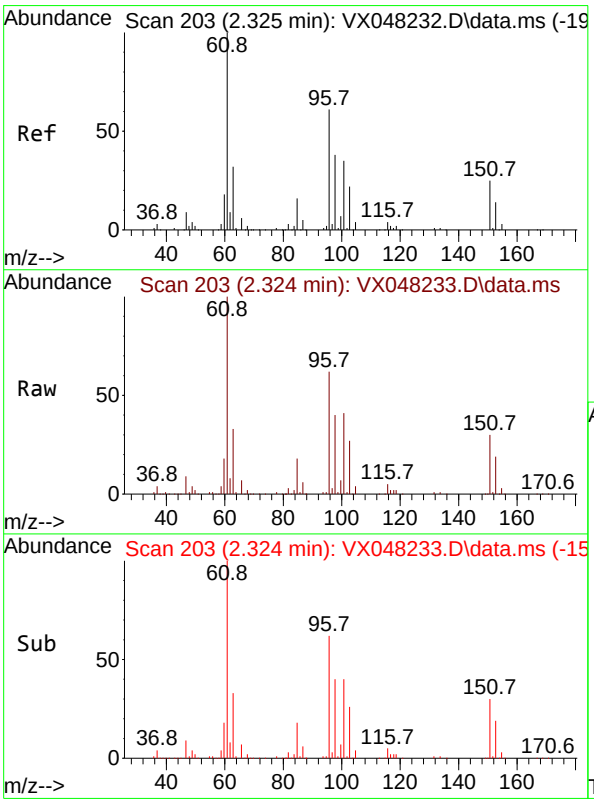
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.9 | 8.2 | 12.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

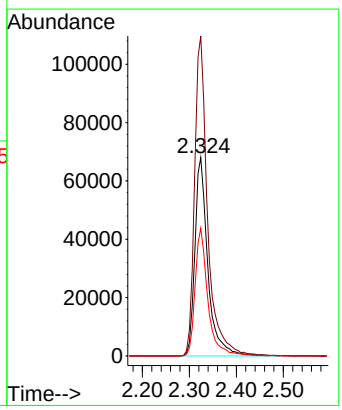
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

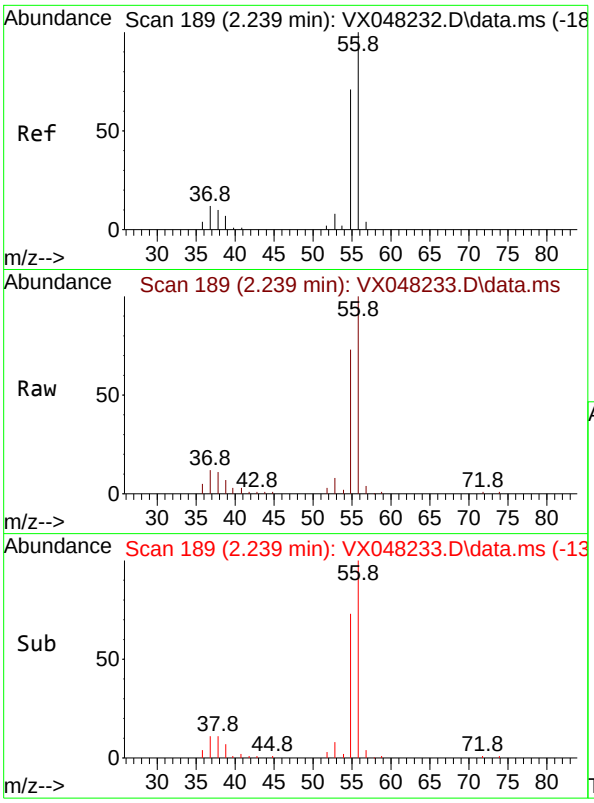



#12
1,1-Dichloroethene
Concen: 96.282 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 96 Resp: 131152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.2 | 139.0 | 208.6 |
| 98 | 64.4 | 52.4 | 78.6 |

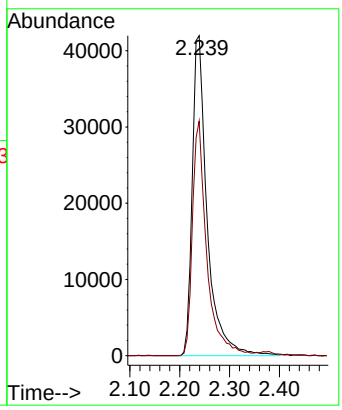





#13
Acrolein
Concen: 343.554 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 56 Resp: 8724

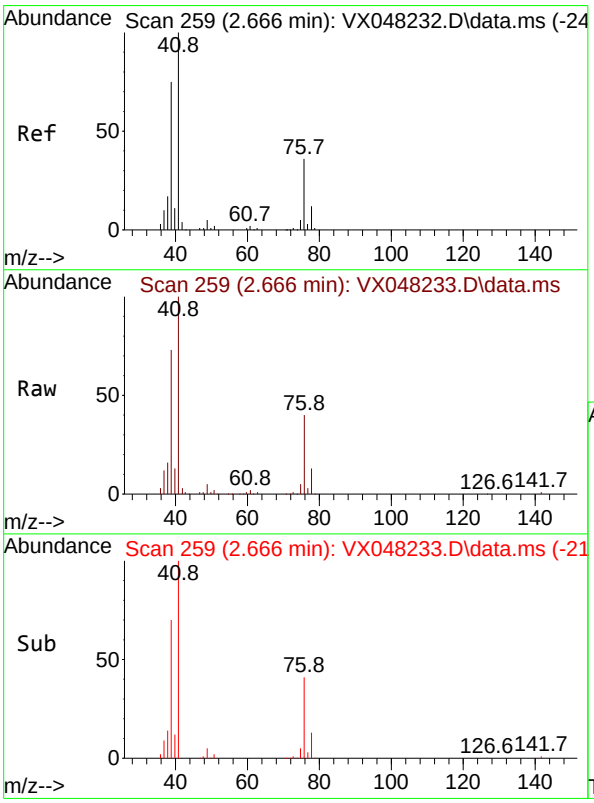
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.2 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

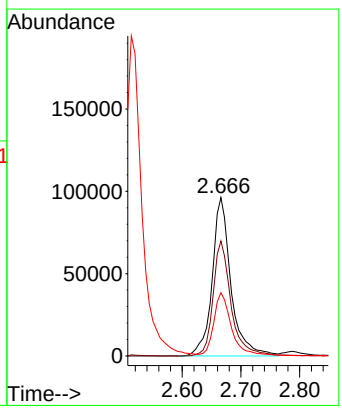
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

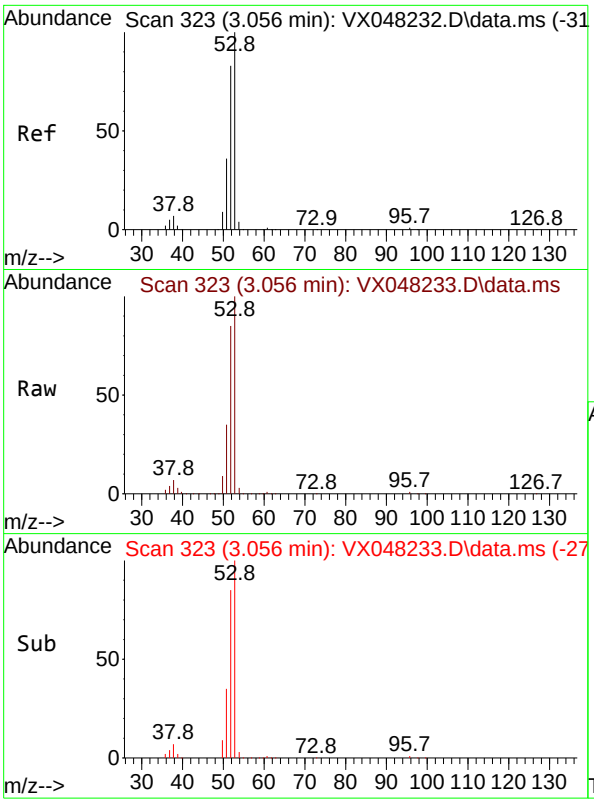



#14
Allyl chloride
Concen: 87.456 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 41 Resp: 214290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 69.5 | 56.0 | 84.0 |
| 76 | 37.6 | 27.5 | 41.3 |

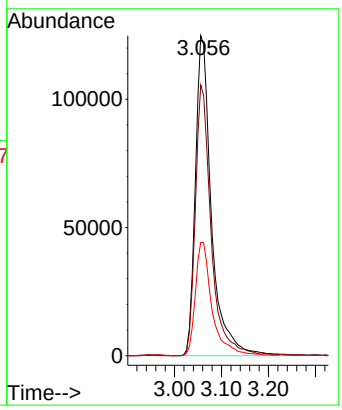





#15
Acrylonitrile
Concen: 514.707 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 53 Resp: 29802

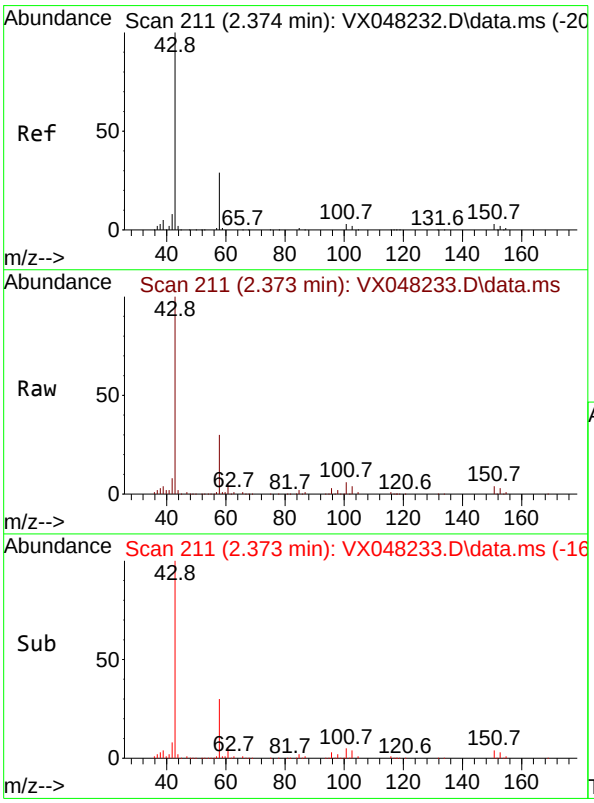
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.7 | 66.1 | 99.1 |
| 51 | 37.0 | 29.0 | 43.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

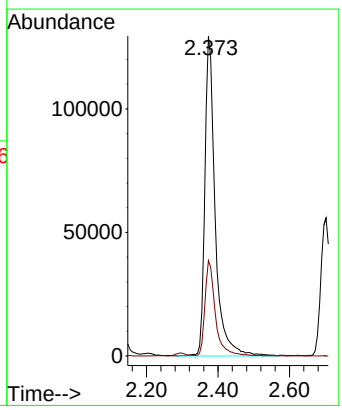
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

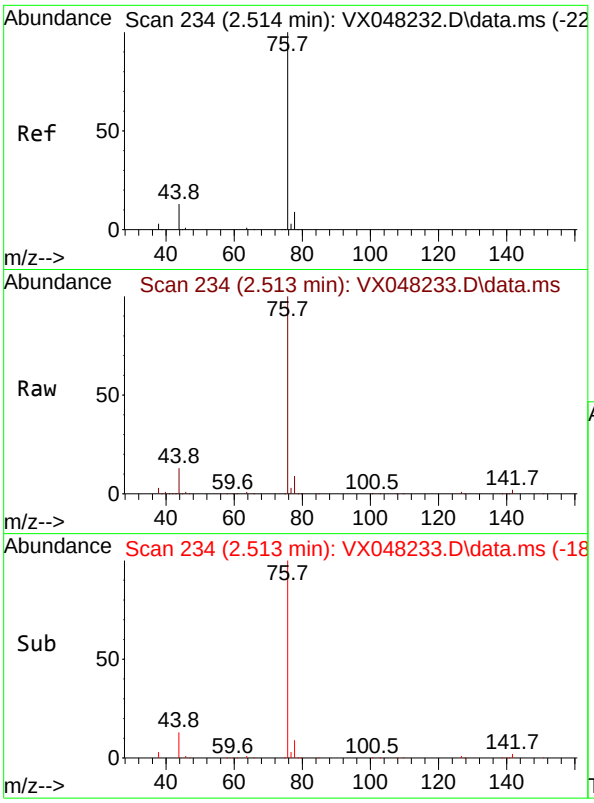



#16
Acetone
Concen: 418.616 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 260058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.8 | 23.4 | 35.2 |

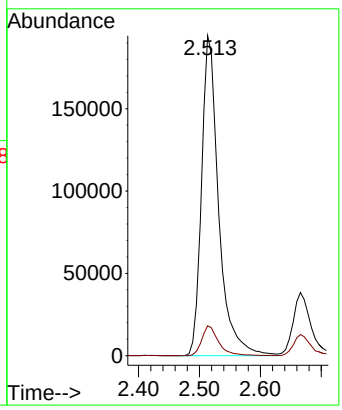





#17
Carbon Disulfide
Concen: 90.700 ug/l
RT: 2.513 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 76 Resp: 38012

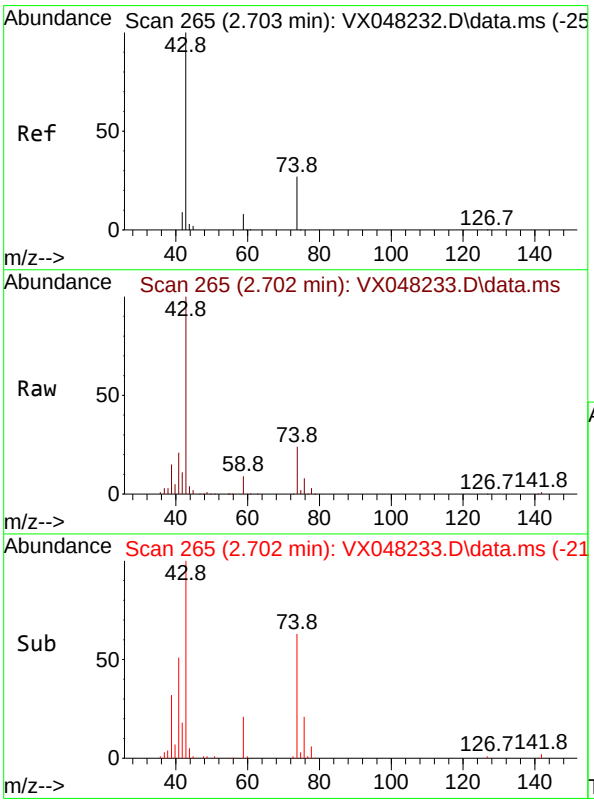
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.1 | 10.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

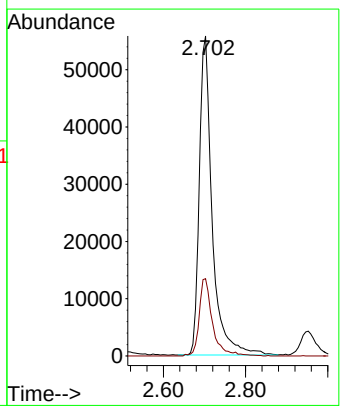
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

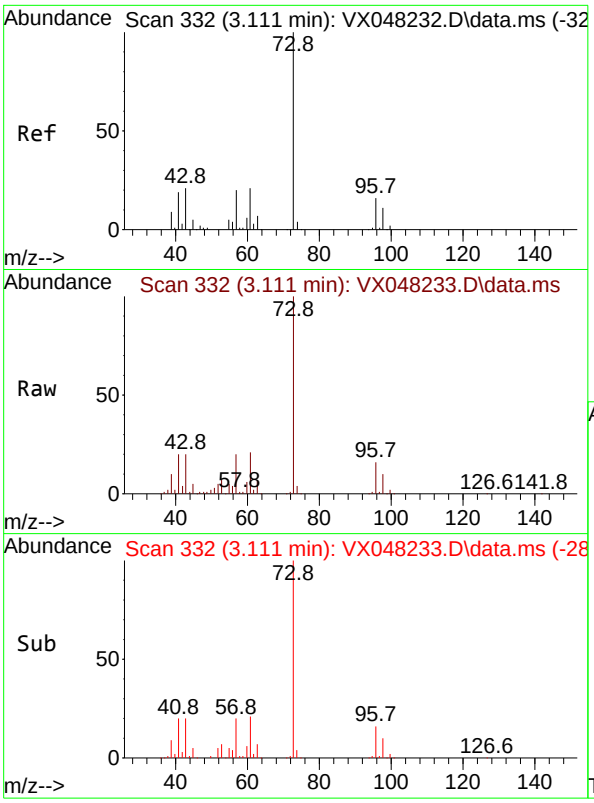



#18
Methyl Acetate
Concen: 95.565 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 120920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.0 | 17.5 | 26.3 |

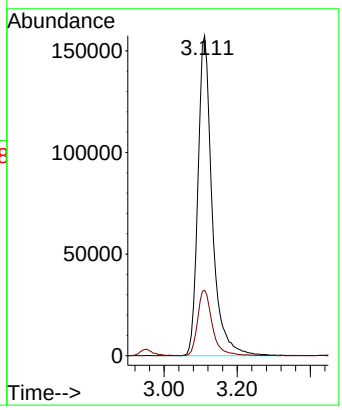





#19
Methyl tert-butyl Ether
Concen: 104.130 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 73 Resp: 42725

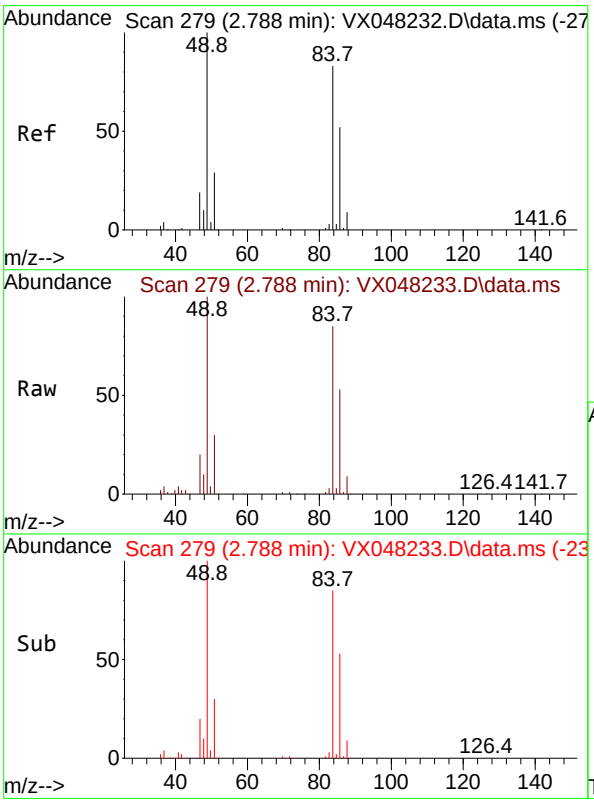
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.5 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

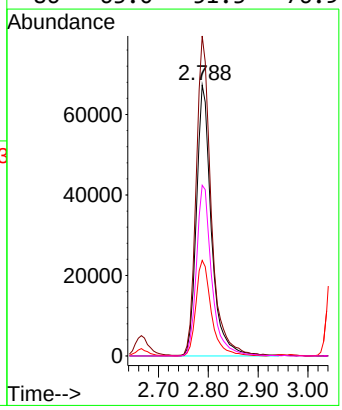
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

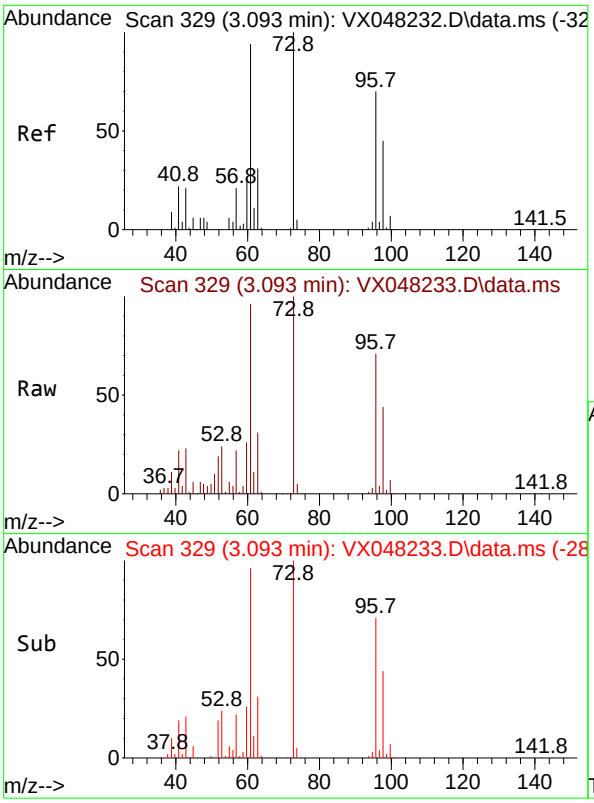



#20
Methylene Chloride
Concen: 92.718 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 84 Resp: 140317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.9 | 104.1 | 156.1 |
| 51 | 35.3 | 31.3 | 46.9 |
| 86 | 63.0 | 51.3 | 76.9 |

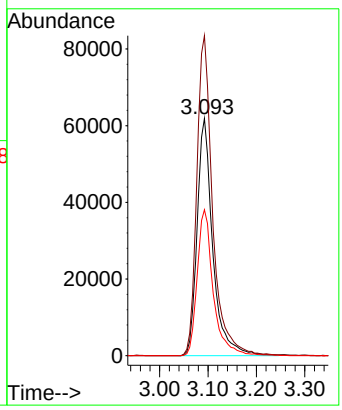





#21
trans-1,2-Dichloroethene
Concen: 98.694 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 96 Resp: 13908

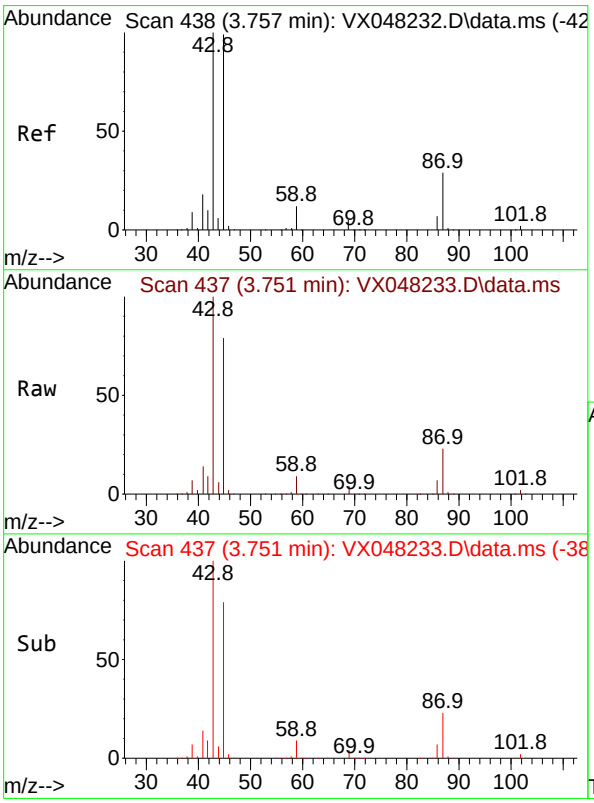
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.9 | 111.9 | 167.9 |
| 98 | 61.5 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

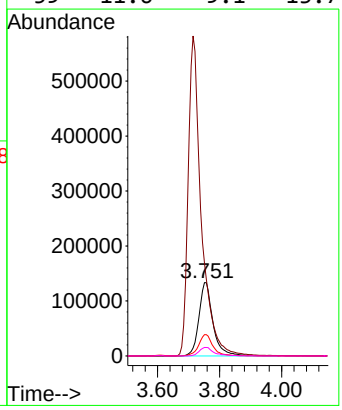
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

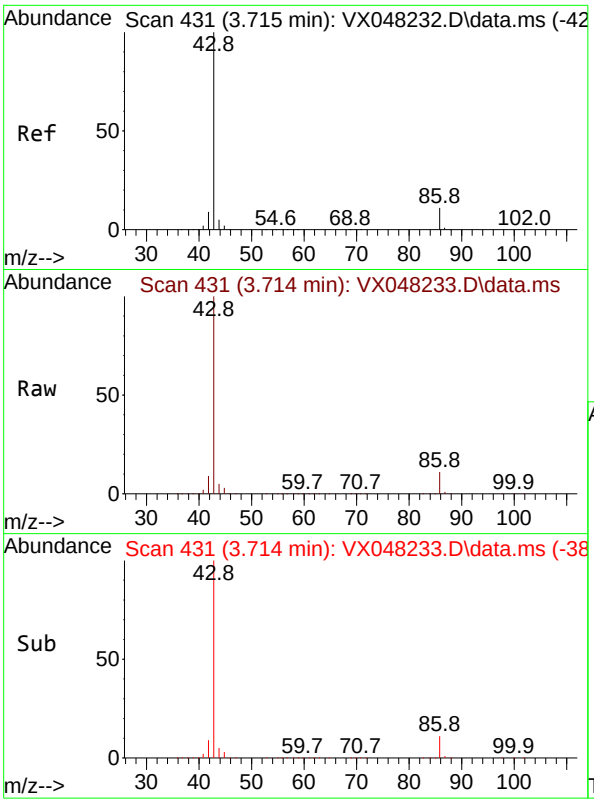



#22
Diisopropyl ether
Concen: 87.566 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 45 Resp: 420126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 126.6 | 89.8 | 134.8 |
| 87 | 29.0 | 20.6 | 31.0 |
| 59 | 11.6 | 9.1 | 13.7 |

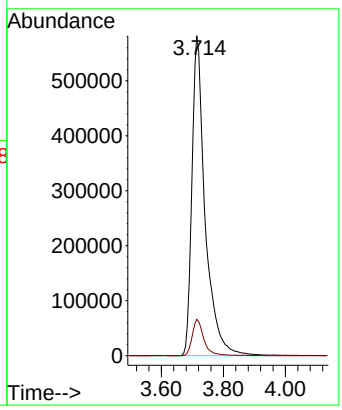





#23
Vinyl Acetate
Concen: 480.325 ug/l
RT: 3.714 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 172317

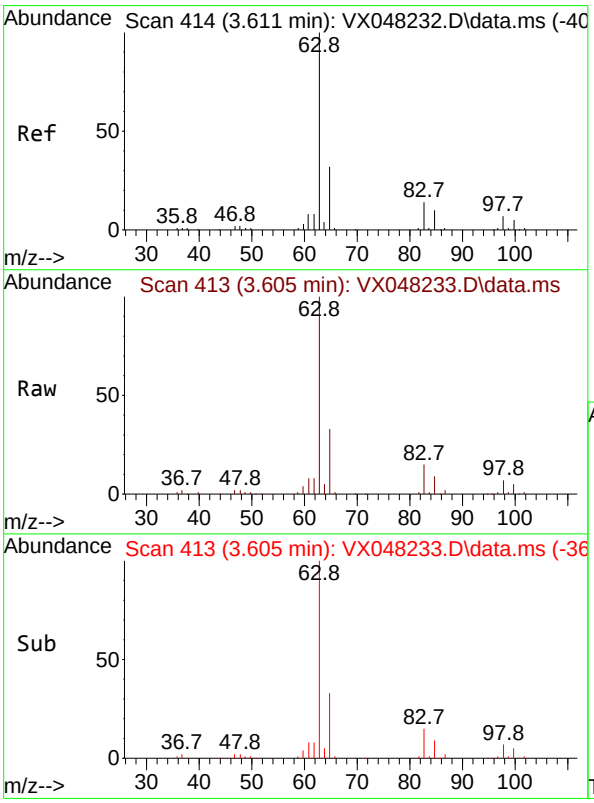
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.3 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

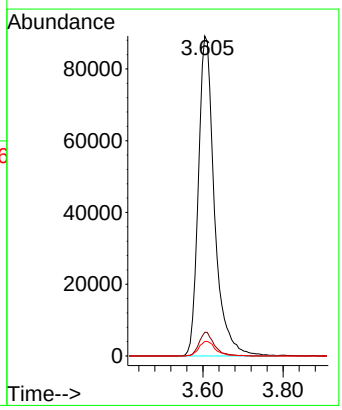
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

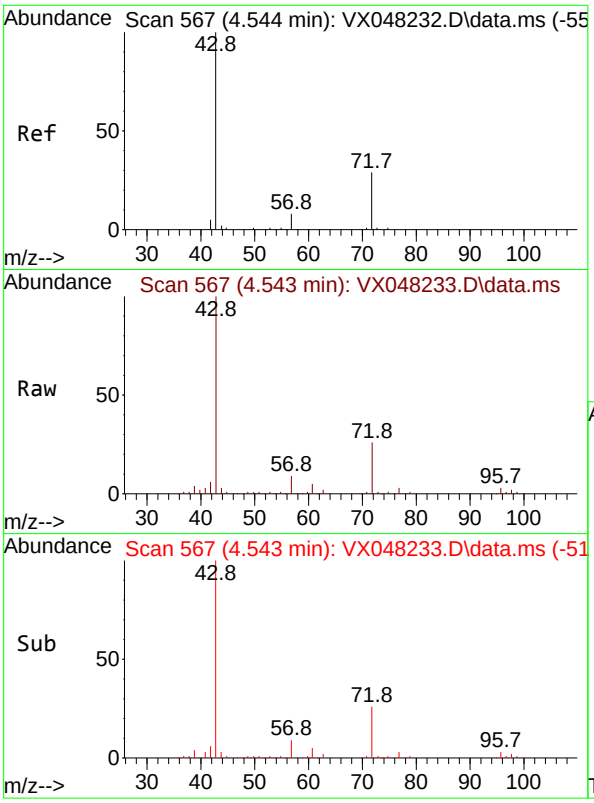



#24
1,1-Dichloroethane
Concen: 91.164 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 63 Resp: 248141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.5 | 10.6 |
| 100 | 4.6 | 2.1 | 6.3 |

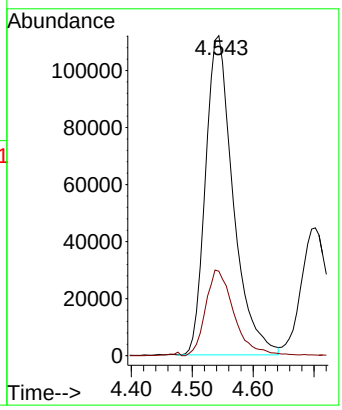





#25
2-Butanone
Concen: 488.753 ug/l
RT: 4.543 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 35374

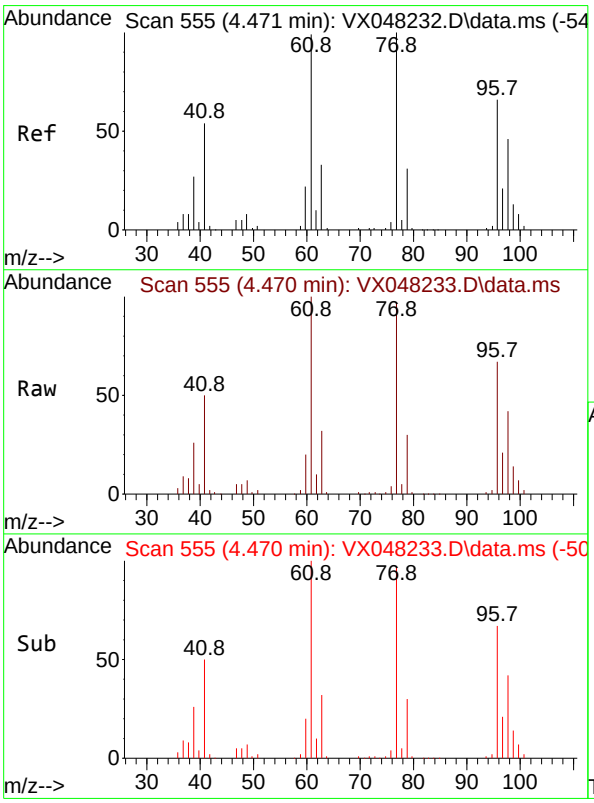
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.8 | 19.9 | 29.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

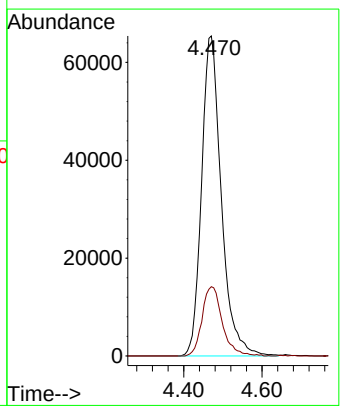
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

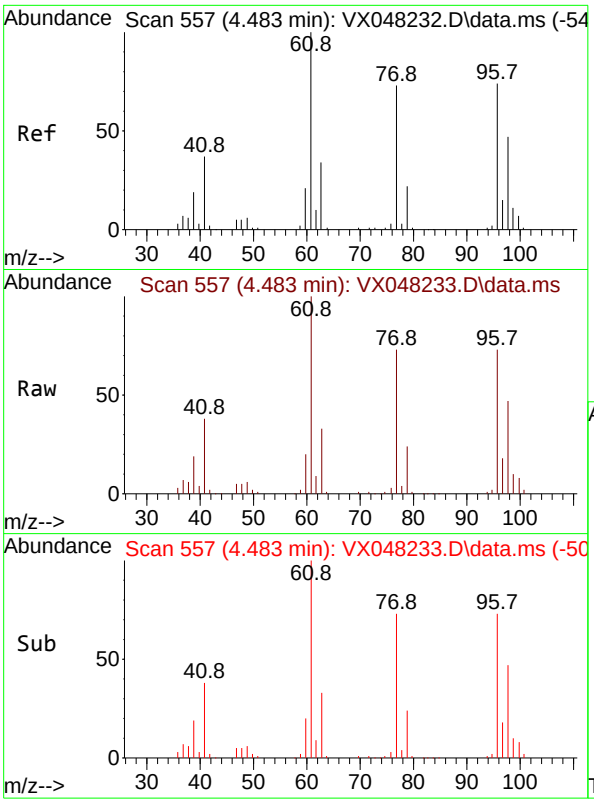



#26
2,2-Dichloropropane
Concen: 98.275 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 77 Resp: 228643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 11.1 | 33.3 |

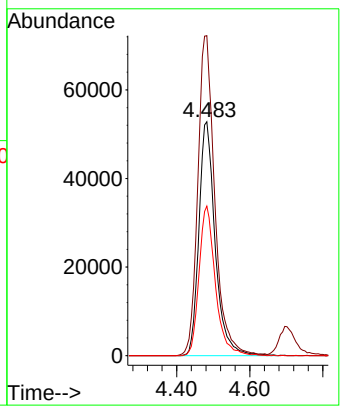





#27
cis-1,2-Dichloroethene
Concen: 97.727 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 96 Resp: 16344

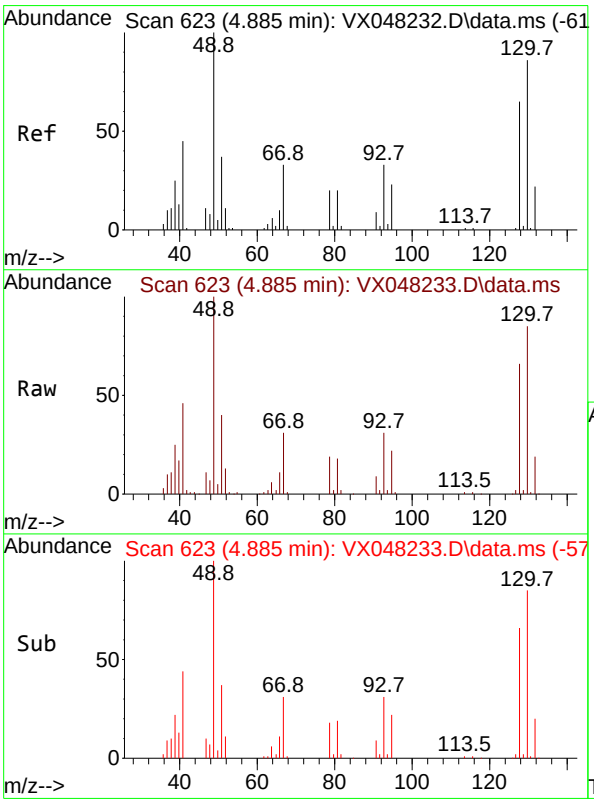
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.1 | 0.0 | 294.2 |
| 98 | 64.3 | 0.0 | 128.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

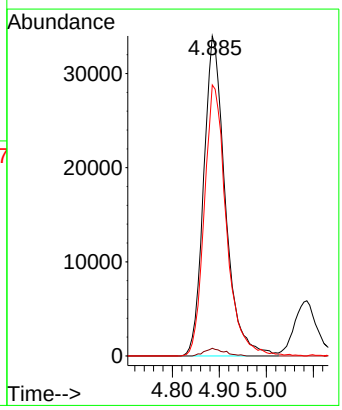
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

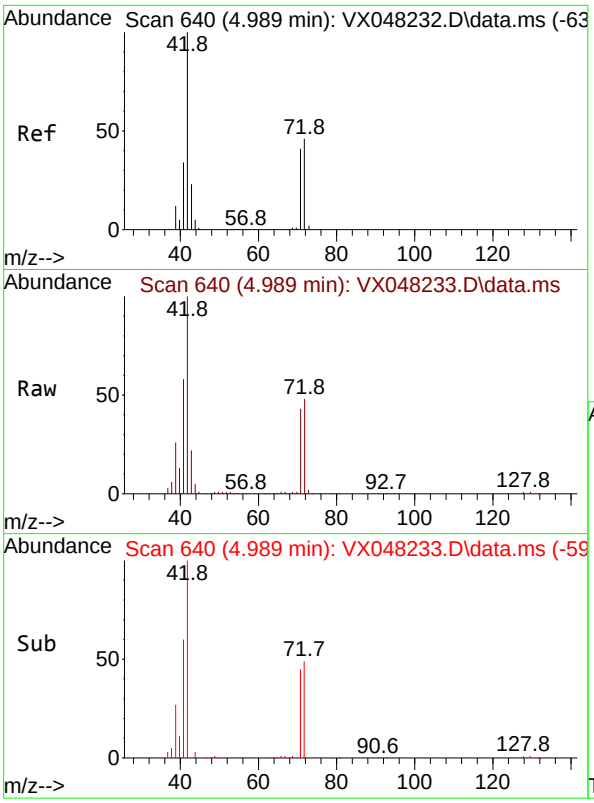



#28
Bromochloromethane
Concen: 86.505 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 49 Resp: 108536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.4 |
| 130 | 86.4 | 59.3 | 88.9 |






#29
Tetrahydrofuran
Concen: 509.471 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

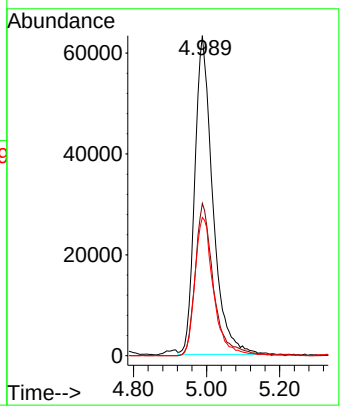
Tgt Ion: 42 Resp: 21654

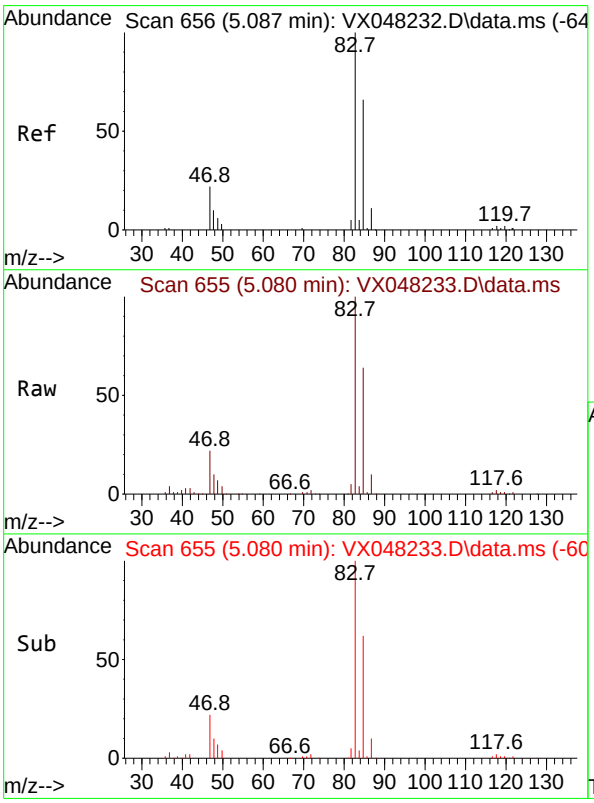
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.6 | 35.3 | 52.9 |
| 71 | 44.5 | 32.2 | 48.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

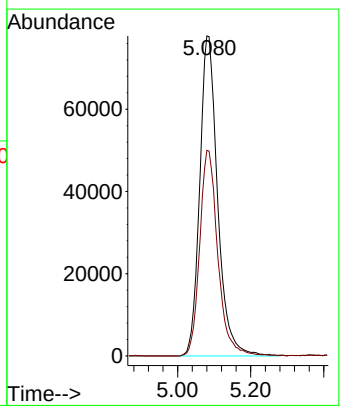


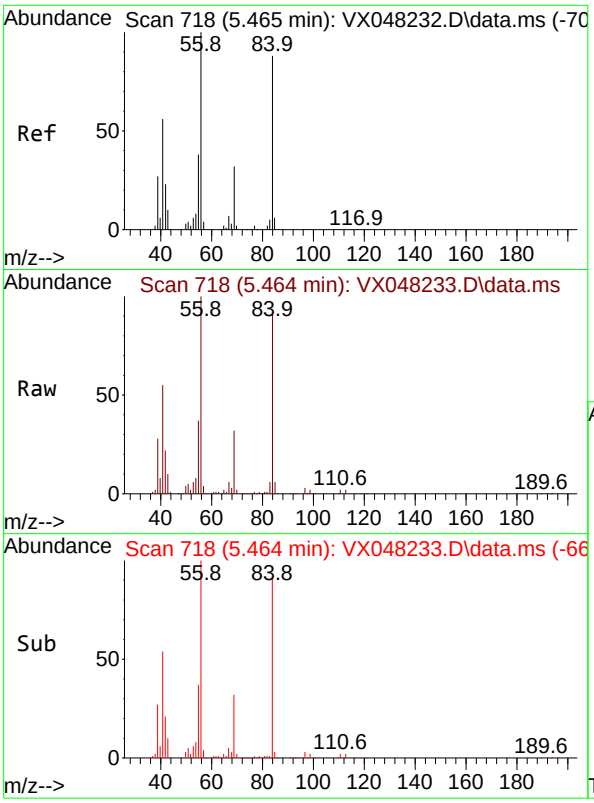




#30
Chloroform
Concen: 92.461 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 83 Resp: 264966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 50.1 | 75.1 |

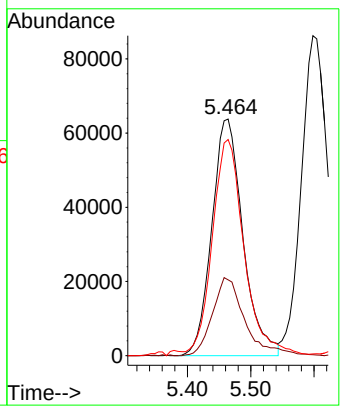





#31
Cyclohexane
Concen: 97.754 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 56 Resp: 21771

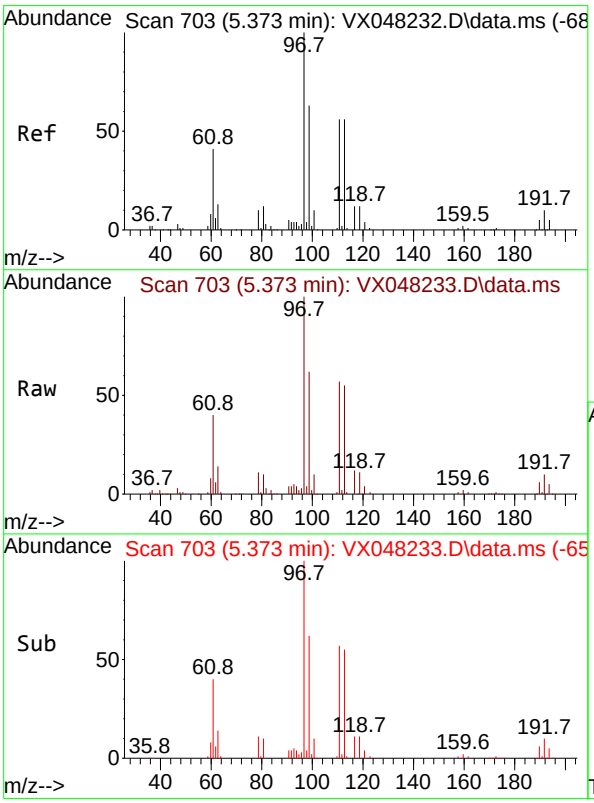
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.1 | 23.0 | 34.6 |
| 84 | 89.2 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

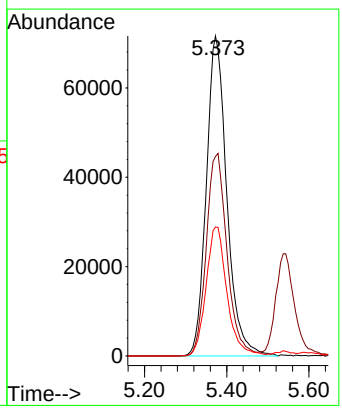
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

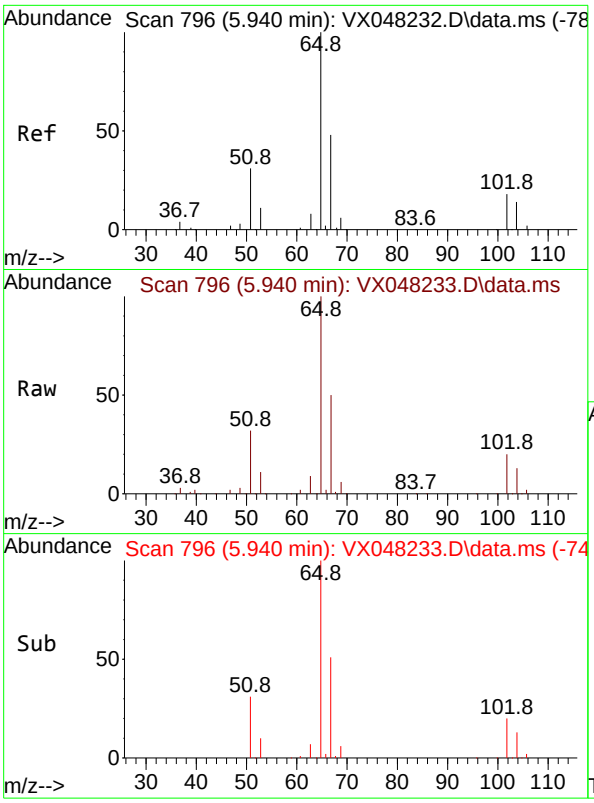



#32
1,1,1-Trichloroethane
Concen: 105.334 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 97 Resp: 248018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 51.7 | 77.5 |
| 61 | 41.2 | 34.8 | 52.2 |

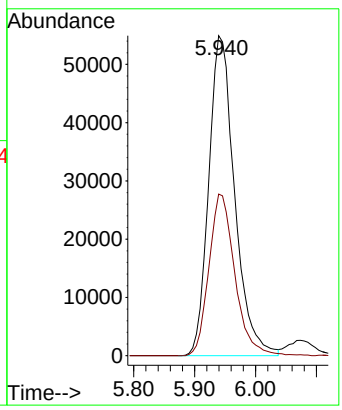





#33
1,2-Dichloroethane-d4
Concen: 89.060 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 65 Resp: 16218

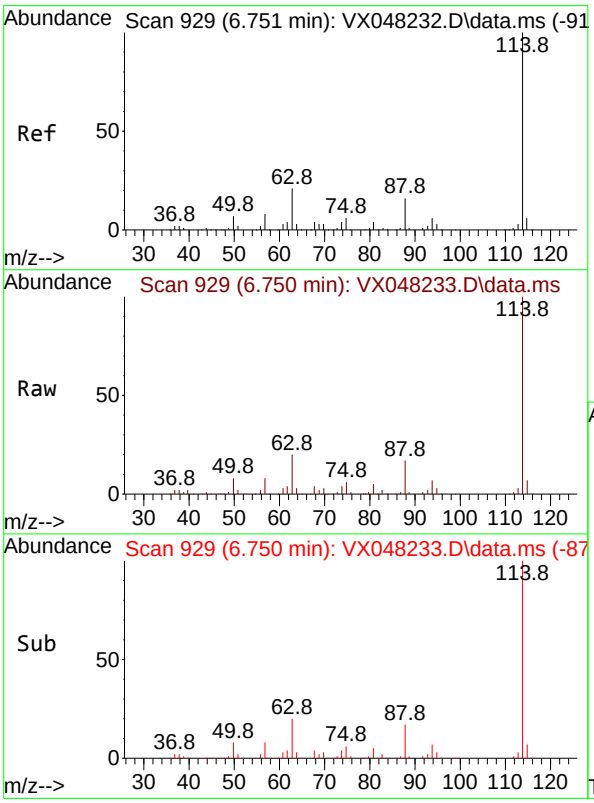
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 105.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

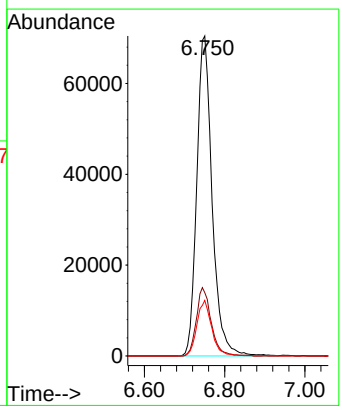
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

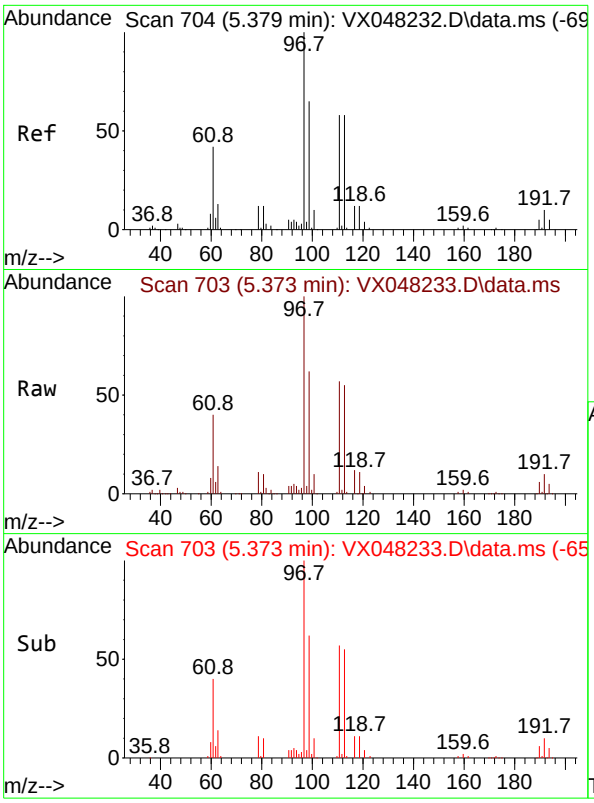



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:114 Resp: 187766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.8 | 0.0 | 43.2 |
| 88 | 17.3 | 0.0 | 33.6 |

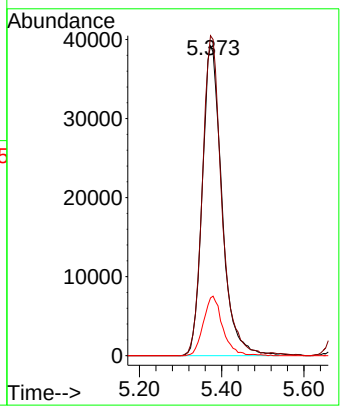





#35
Dibromofluoromethane
Concen: 99.697 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:113 Resp: 12991

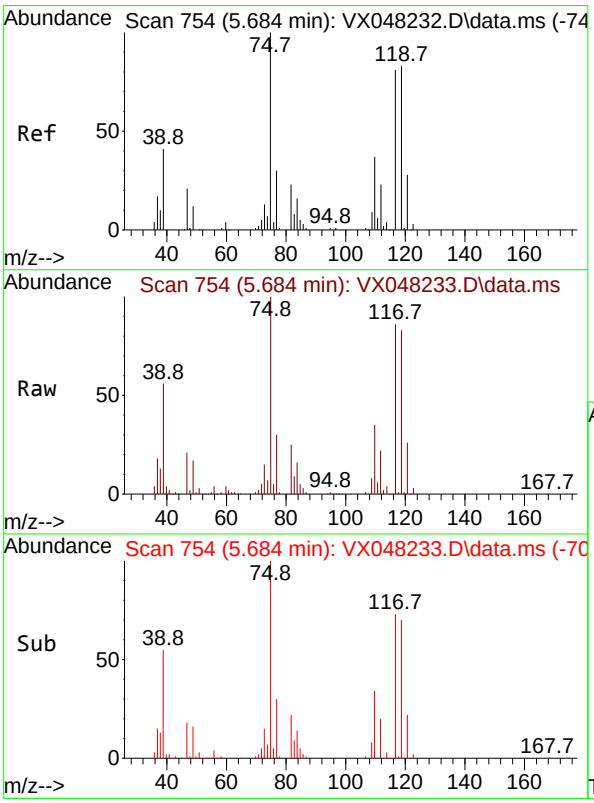
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.5 | 82.2 | 123.4 |
| 192 | 19.0 | 15.1 | 22.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

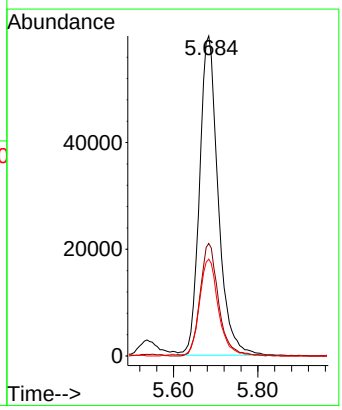
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

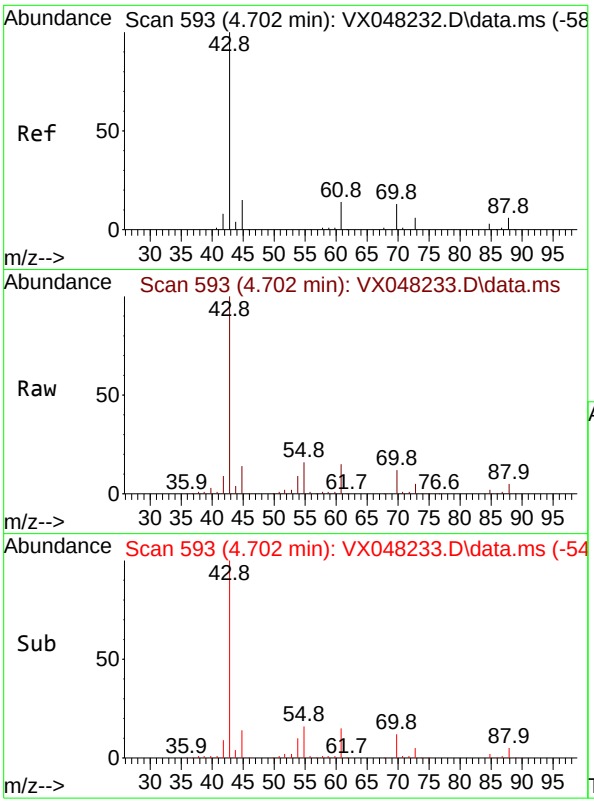



#36
1,1-Dichloropropene
Concen: 100.194 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 183932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.1 | 17.7 | 53.1 |
| 77 | 30.9 | 24.3 | 36.5 |

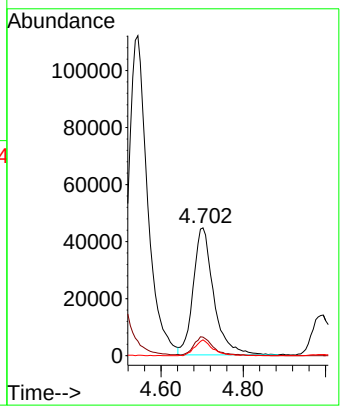





#37
Ethyl Acetate
Concen: 104.863 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 15384

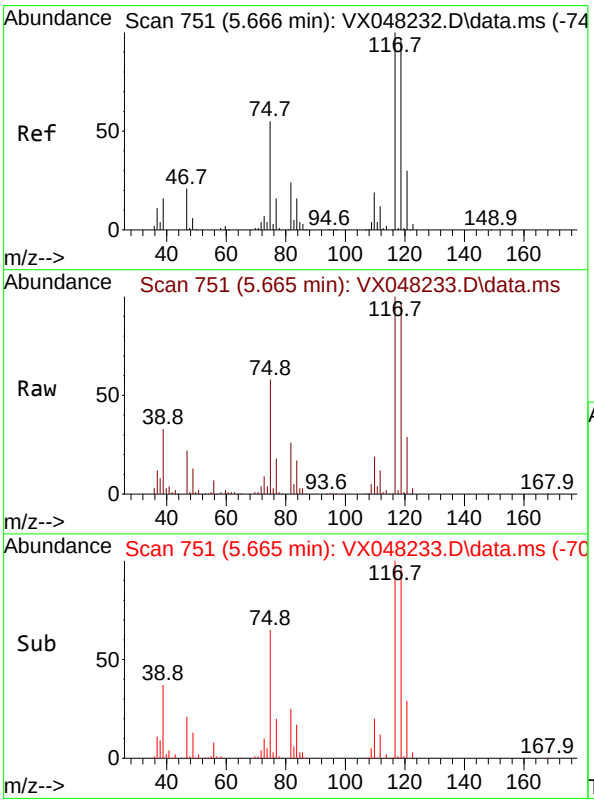
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.3 | 10.6 | 15.8 |
| 70 | 10.7 | 7.8 | 11.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

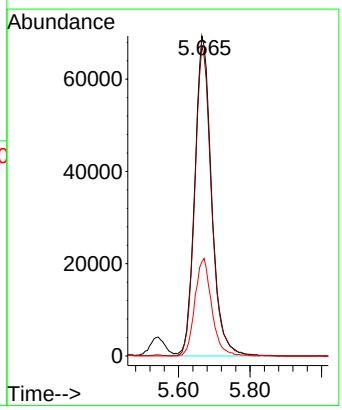
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

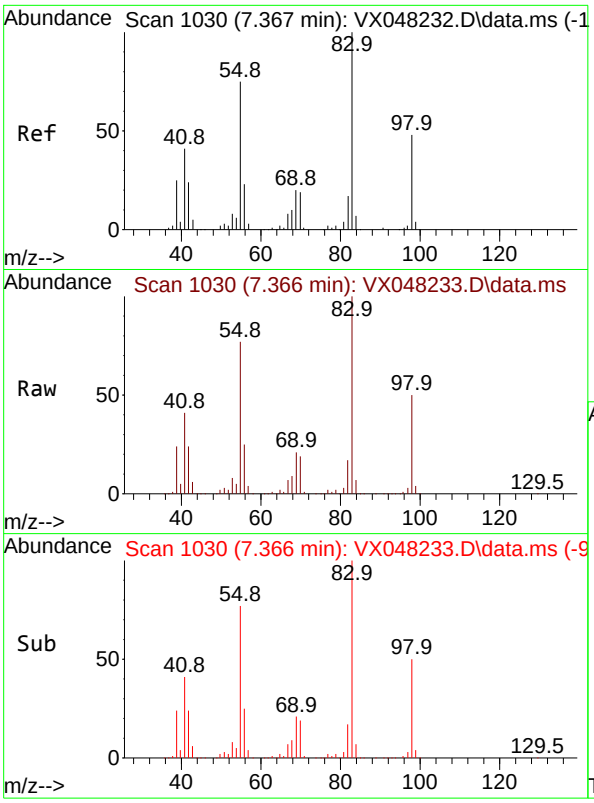



#38
Carbon Tetrachloride
Concen: 107.719 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:117 Resp: 226976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.9 | 77.2 | 115.8 |
| 121 | 29.4 | 24.8 | 37.2 |

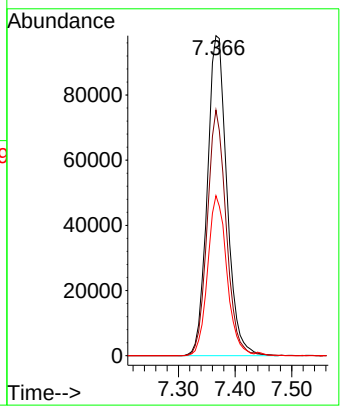





#39
Methylcyclohexane
Concen: 113.637 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 83 Resp: 23520

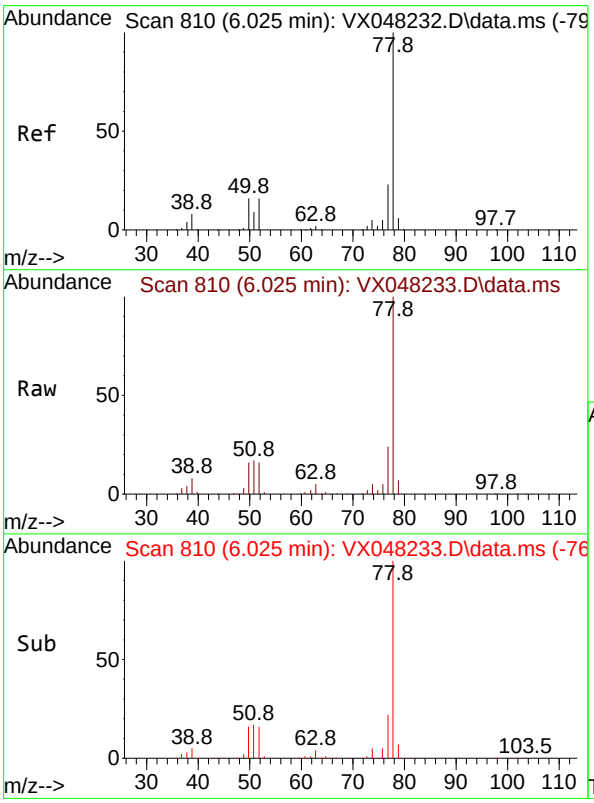
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.8 | 66.2 | 99.2 |
| 98 | 50.0 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

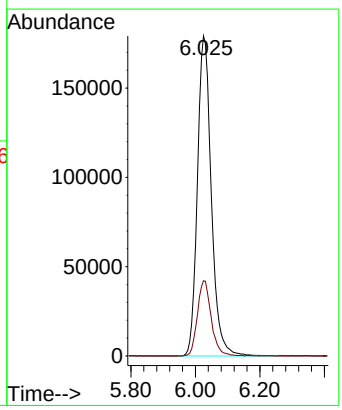
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

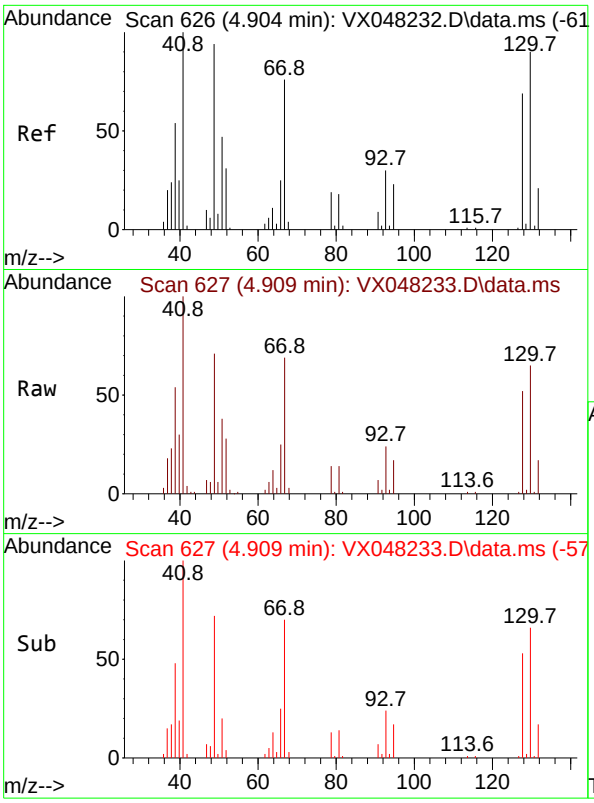



#40
Benzene
Concen: 98.221 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 78 Resp: 535407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 19.3 | 28.9 |

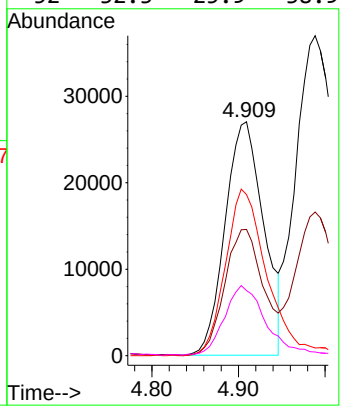





#41
Methacrylonitrile
Concen: 106.641 ug/l
RT: 4.909 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 41 Resp: 8379

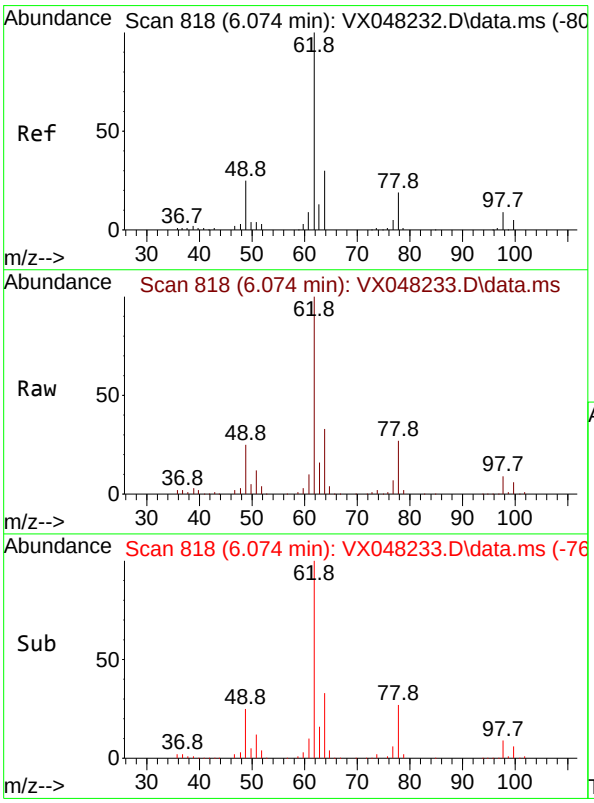
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.4 | 44.0 | 66.0 |
| 67 | 77.7 | 58.7 | 88.1 |
| 52 | 32.3 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

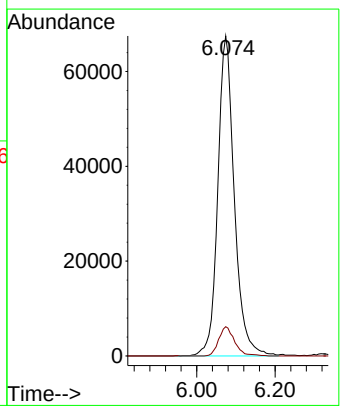
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

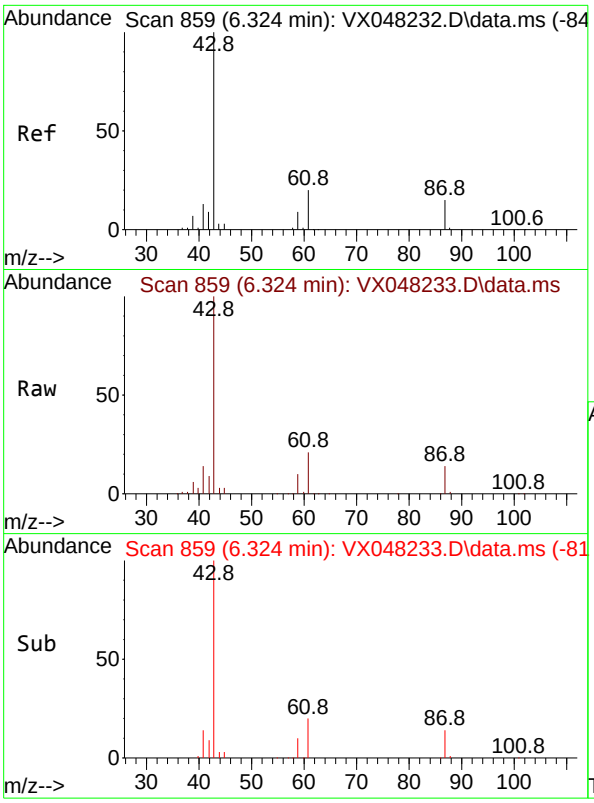



#42
1,2-Dichloroethane
Concen: 101.562 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 62 Resp: 198348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.8 | 0.0 | 17.2 |

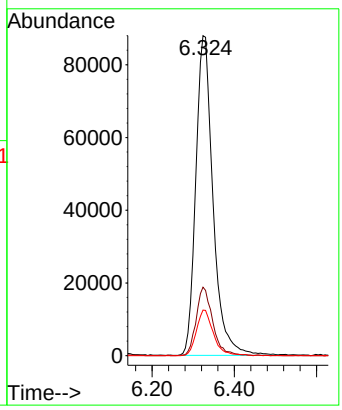





#43
Isopropyl Acetate
Concen: 103.976 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 25606

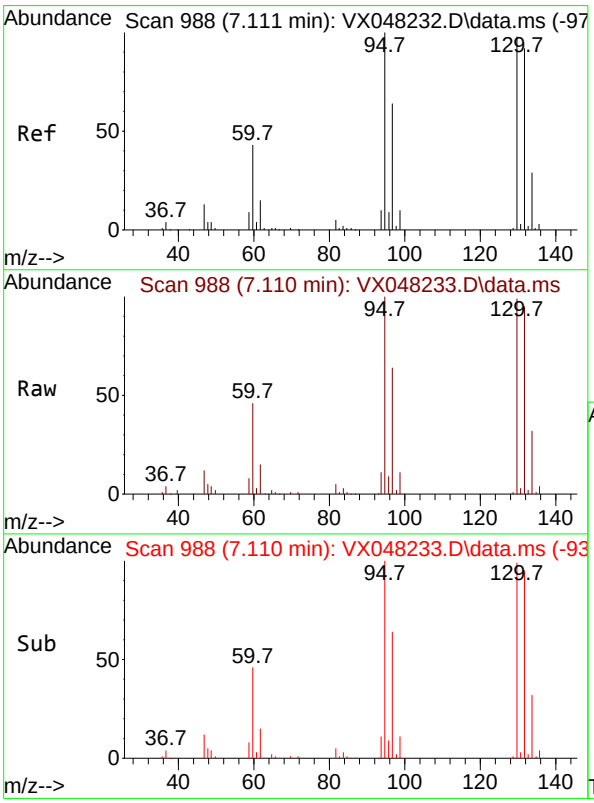
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.5 | 14.9 | 22.3 |
| 87 | 14.0 | 9.4 | 14.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

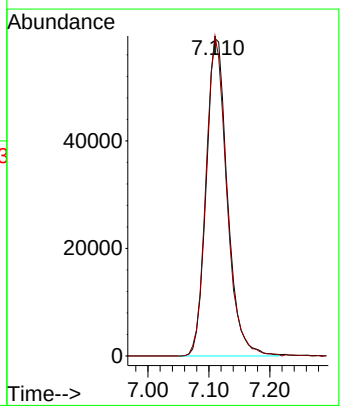
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

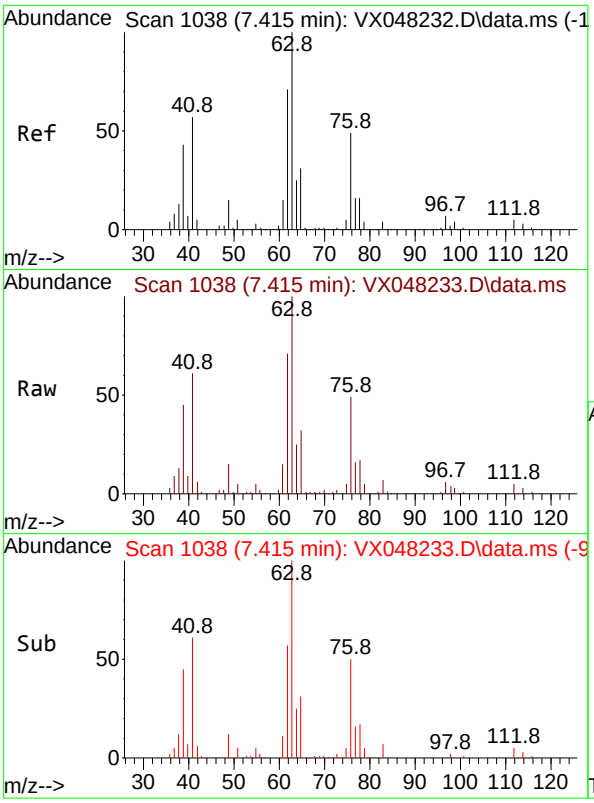



#44
Trichloroethene
Concen: 103.931 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:130 Resp: 142779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.8 | 0.0 | 200.6 |

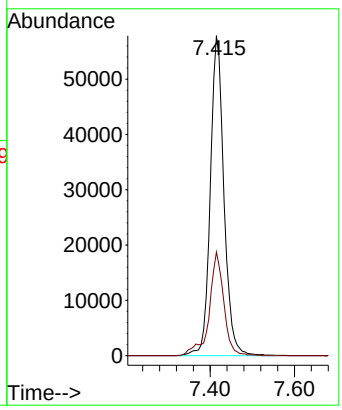





#45
1,2-Dichloropropane
Concen: 94.368 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 63 Resp: 13018

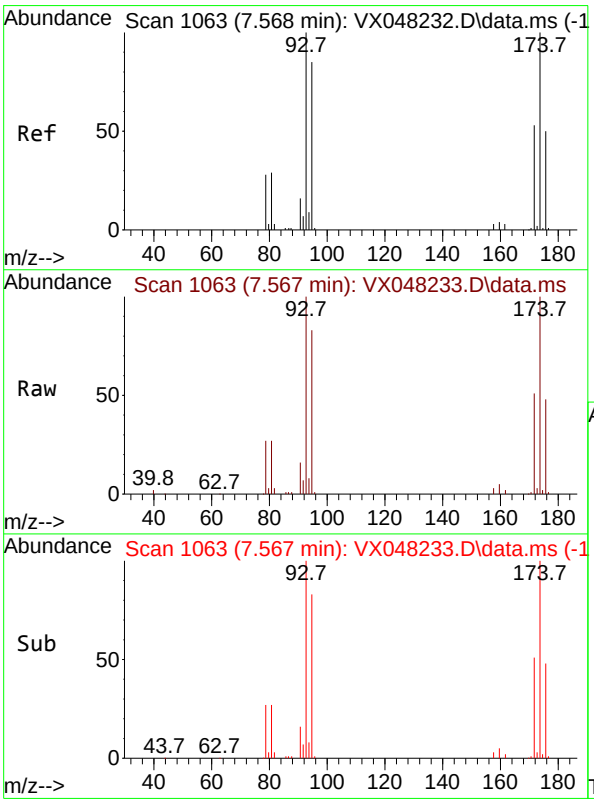
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.4 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

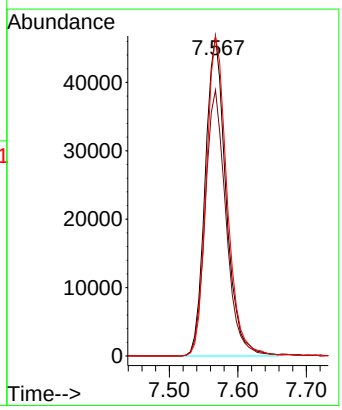
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

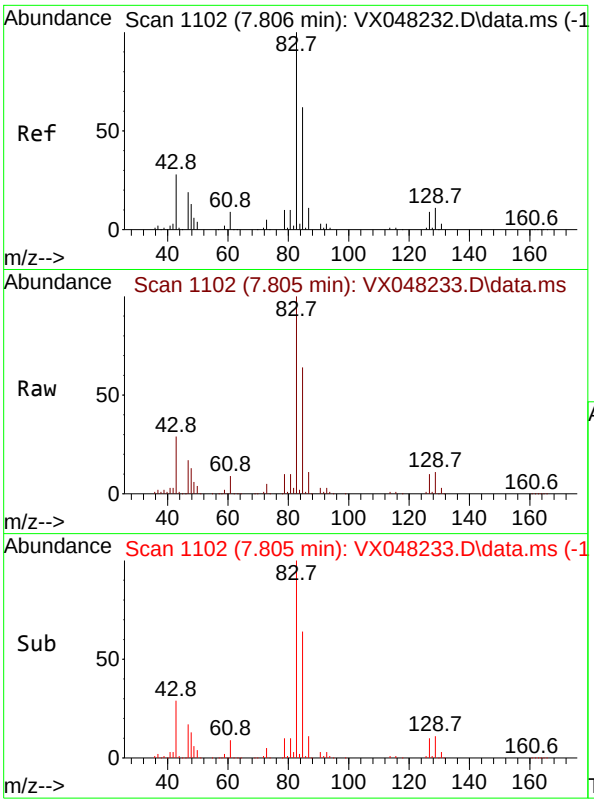



#46
Dibromomethane
Concen: 98.835 ug/l
RT: 7.567 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 93 Resp: 98105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.4 | 65.9 | 98.9 |
| 174 | 100.3 | 71.7 | 107.5 |

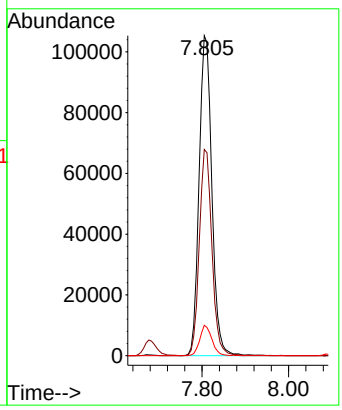





#47
Bromodichloromethane
Concen: 100.358 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 83 Resp: 21530

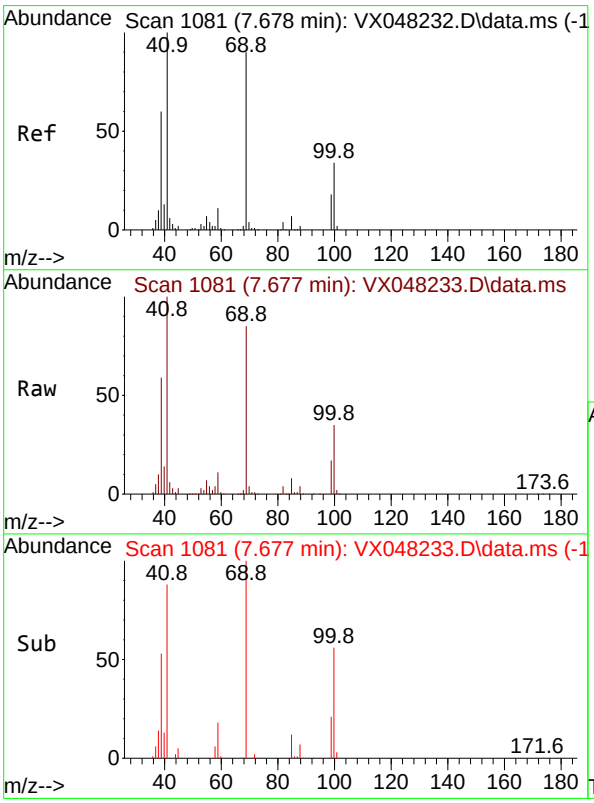
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.4 | 52.2 | 78.4 |
| 127 | 9.5 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

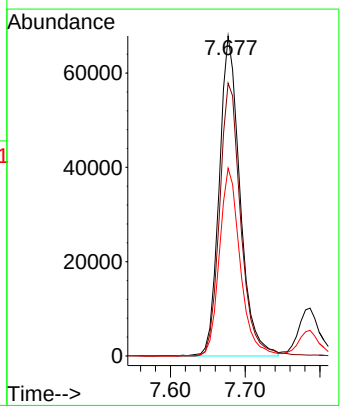
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

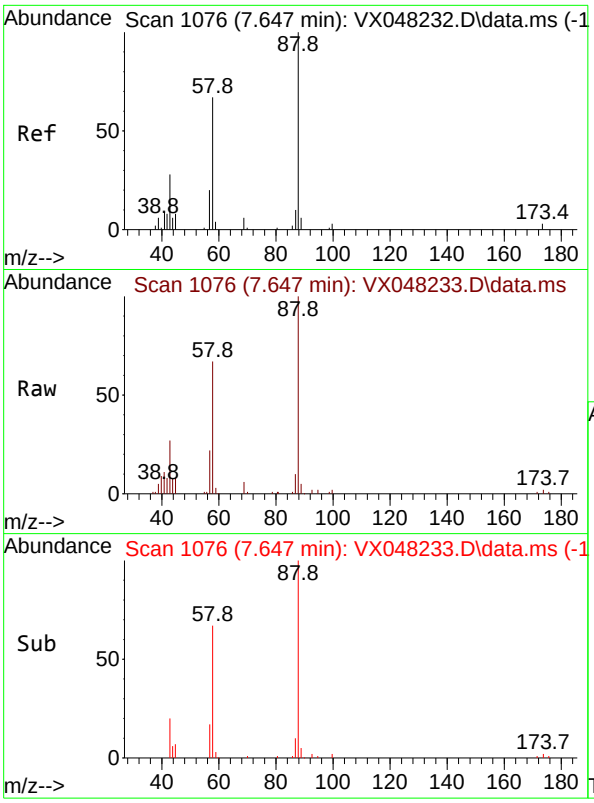



#48
Methyl methacrylate
Concen: 104.272 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 41 Resp: 131454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.8 | 63.4 | 95.0 |
| 39 | 58.7 | 47.1 | 70.7 |

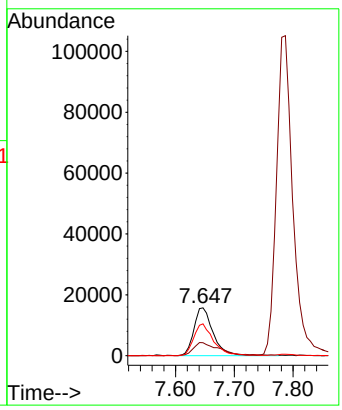





#49
1,4-Dioxane
Concen: 3169.845 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 88 Resp: 3597

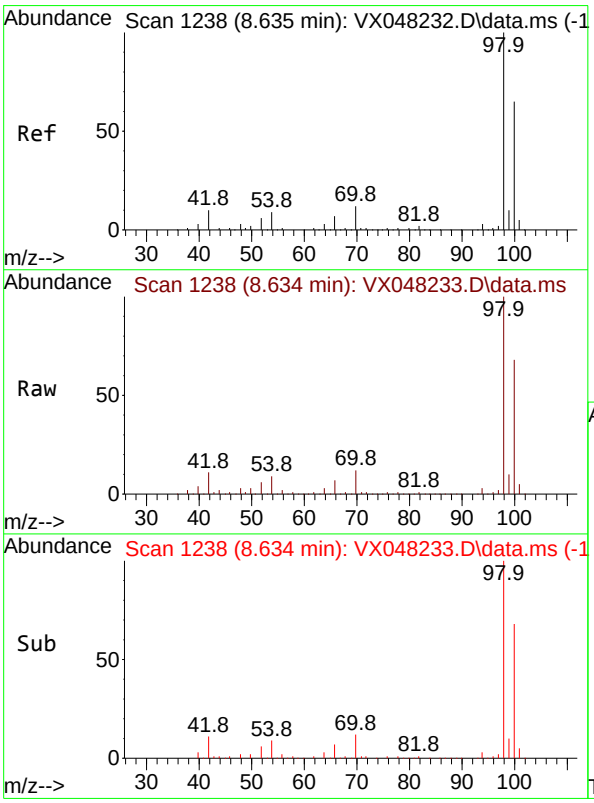
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.6 | 35.0 | 52.4 |
| 58 | 68.4 | 61.9 | 92.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

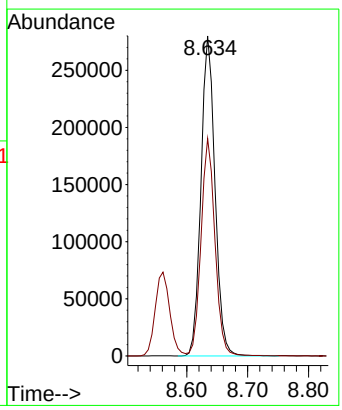
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

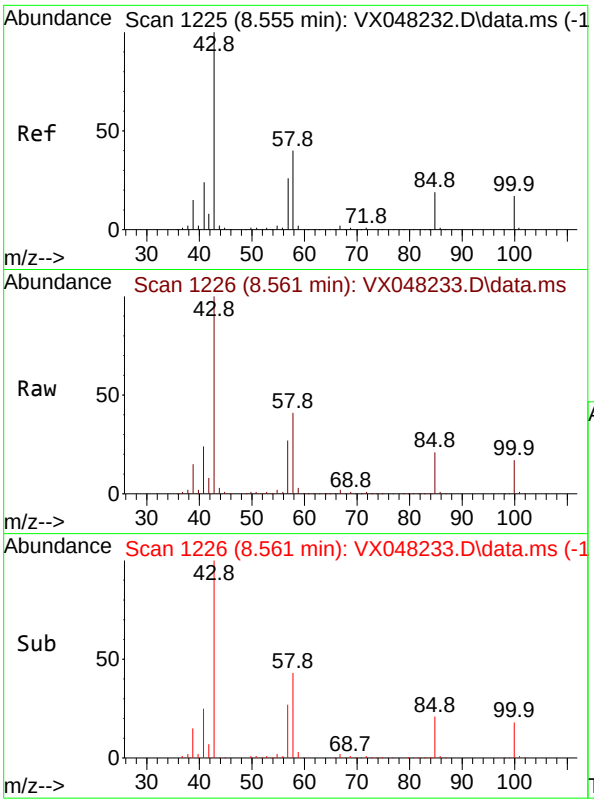



#50
Toluene-d8
Concen: 95.629 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 98 Resp: 448948

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






#51
4-Methyl-2-Pentanone
Concen: 526.103 ug/l
RT: 8.561 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

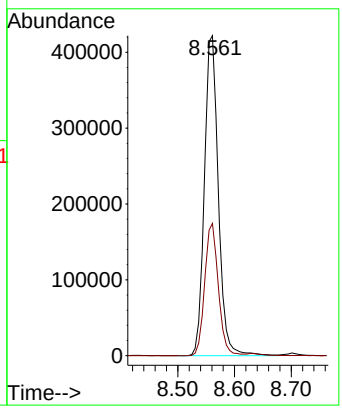
Tgt Ion: 43 Resp: 72098

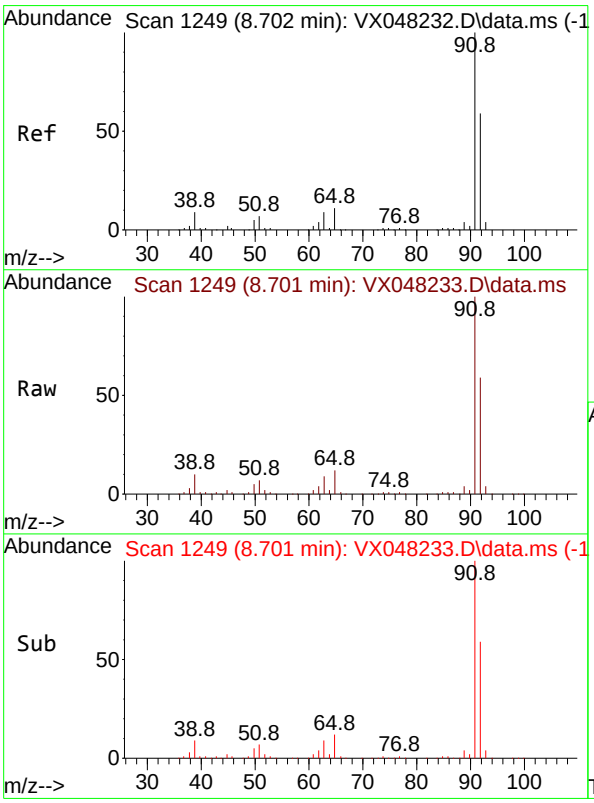
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.4 | 29.5 | 44.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

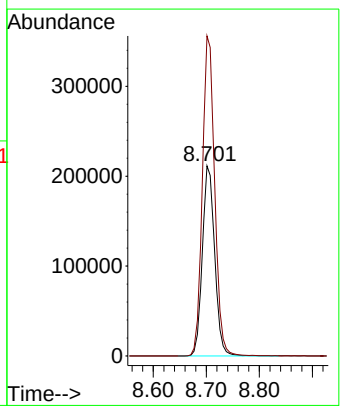


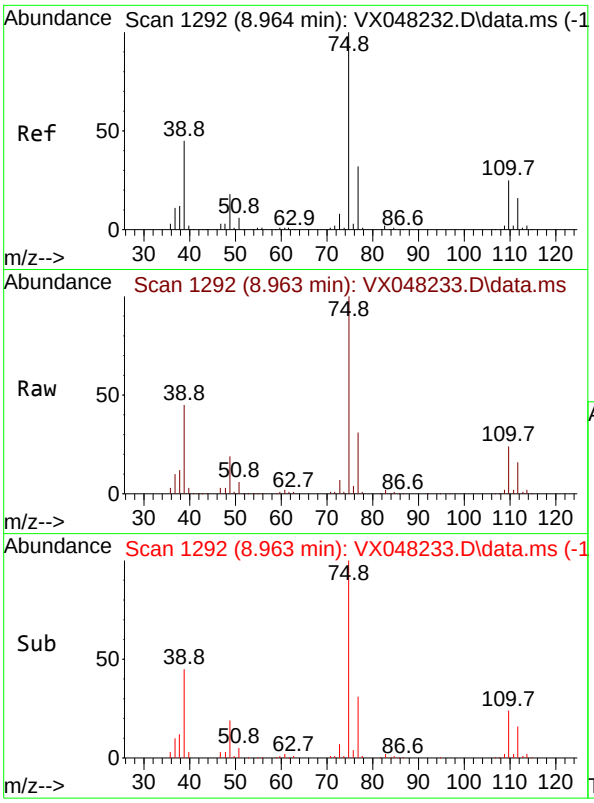




#52
Toluene
Concen: 104.263 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 92 Resp: 341597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.2 | 136.1 | 204.1 |

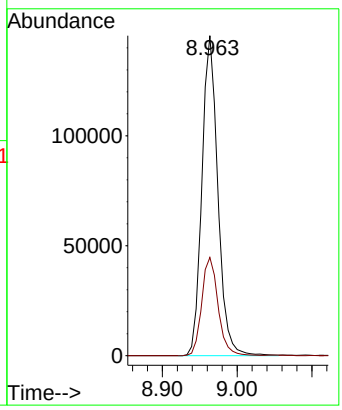





#53
t-1,3-Dichloropropene
Concen: 107.341 ug/l
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 21573

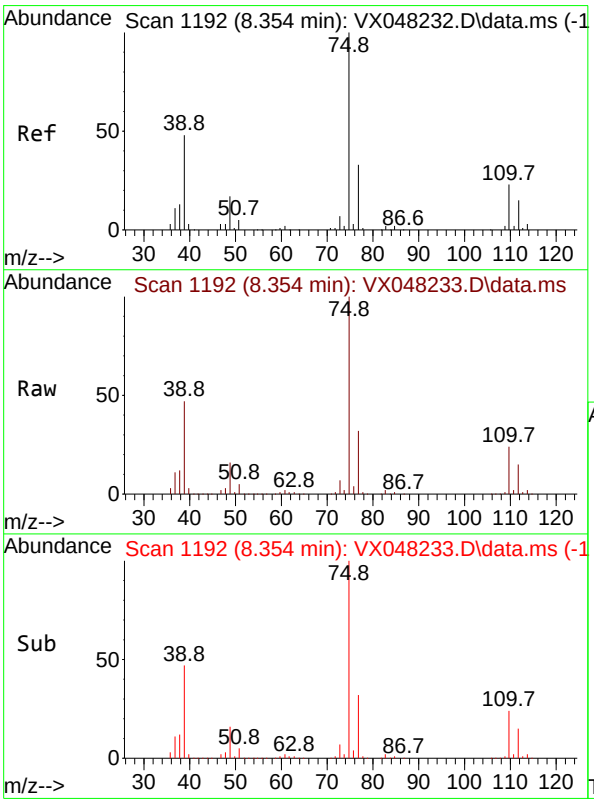
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

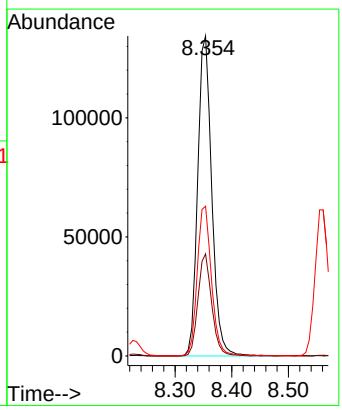
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

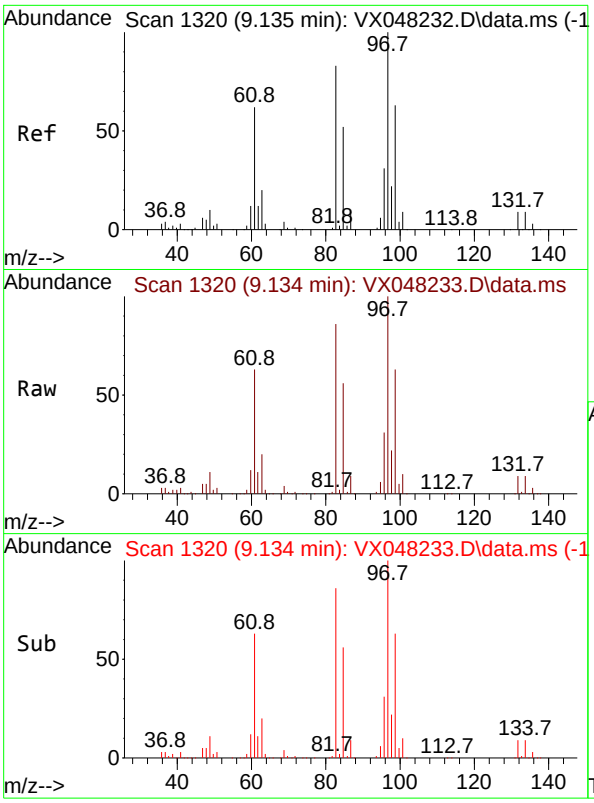



#54
cis-1,3-Dichloropropene
Concen: 105.465 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 231037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 24.9 | 37.3 |
| 39 | 46.7 | 42.6 | 64.0 |

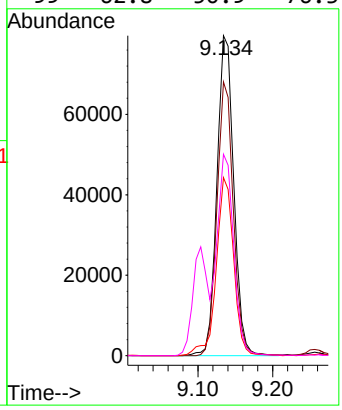





#55
1,1,2-Trichloroethane
Concen: 102.180 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 97 Resp: 12491

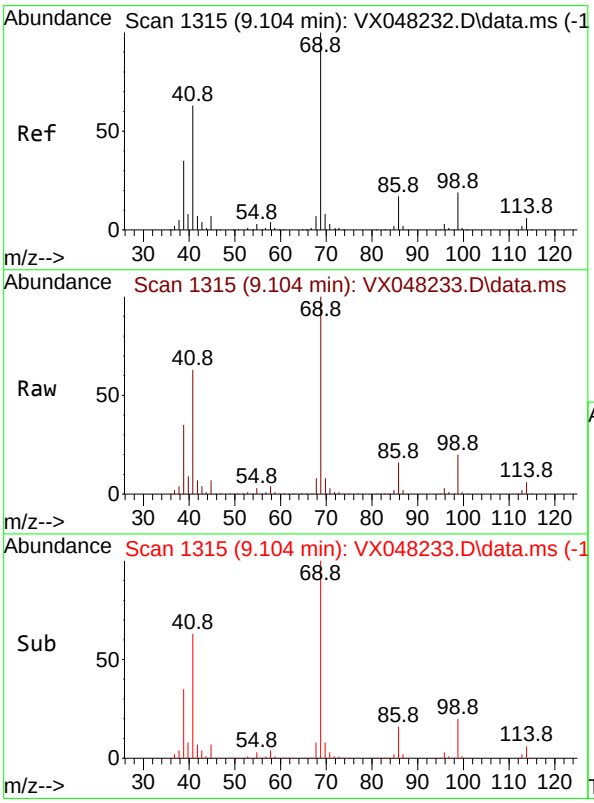
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.5 | 70.6 | 105.8 |
| 85 | 55.7 | 45.0 | 67.6 |
| 99 | 62.8 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

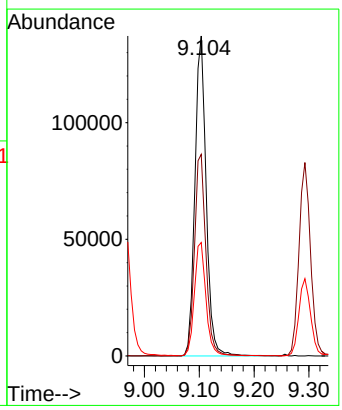
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

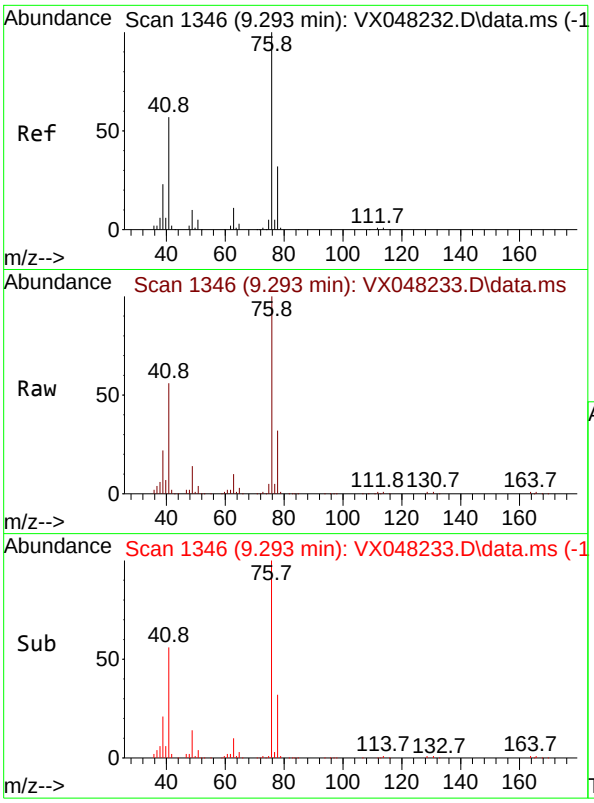



#56
Ethyl methacrylate
Concen: 118.305 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 69 Resp: 196699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.0 | 56.0 | 84.0 |
| 39 | 36.7 | 31.6 | 47.4 |

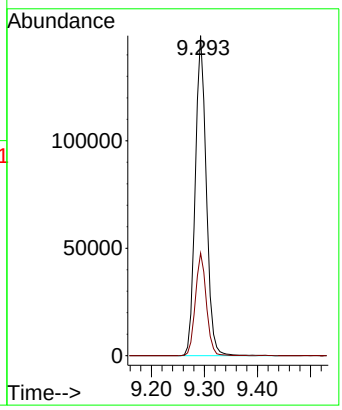





#57
1,3-Dichloropropane
Concen: 100.598 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 76 Resp: 21485

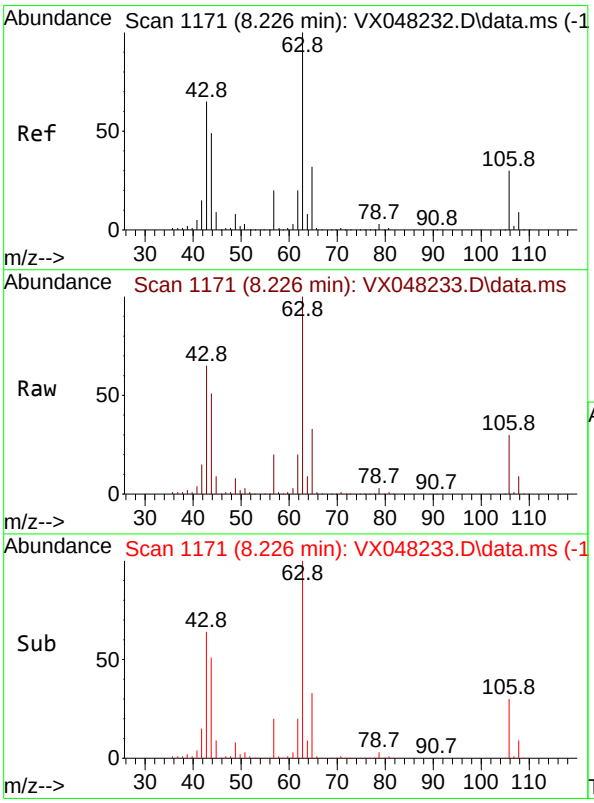
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.9 | 25.4 | 38.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

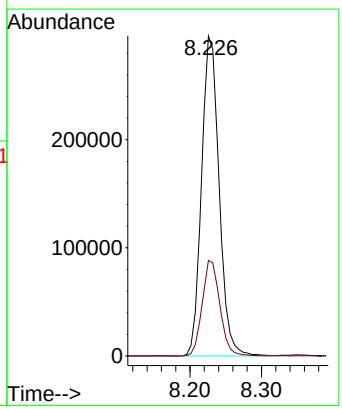
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

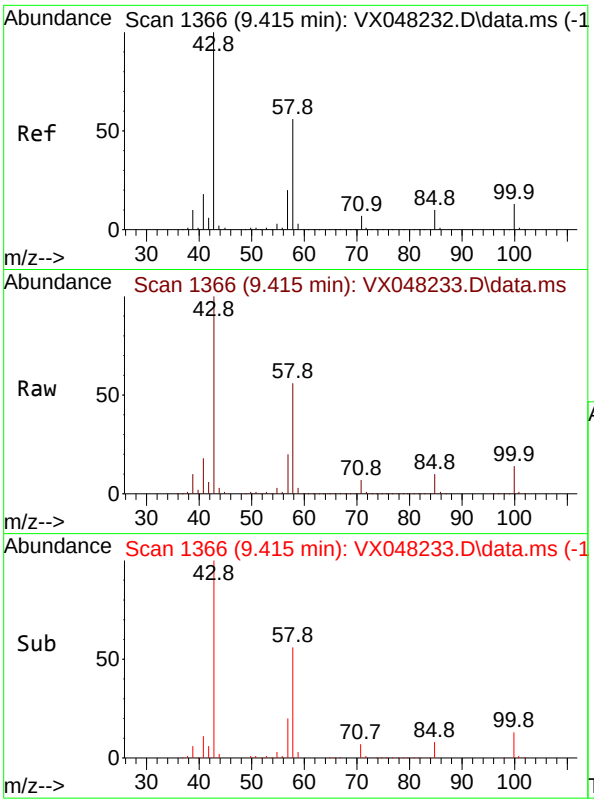



#58
2-Chloroethyl Vinyl ether
Concen: 592.044 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 63 Resp: 505448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.0 | 22.2 | 33.2 |

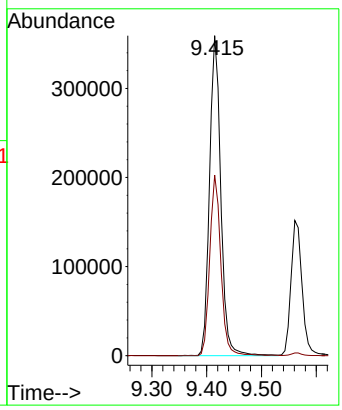





#59
2-Hexanone
Concen: 531.416 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 50939

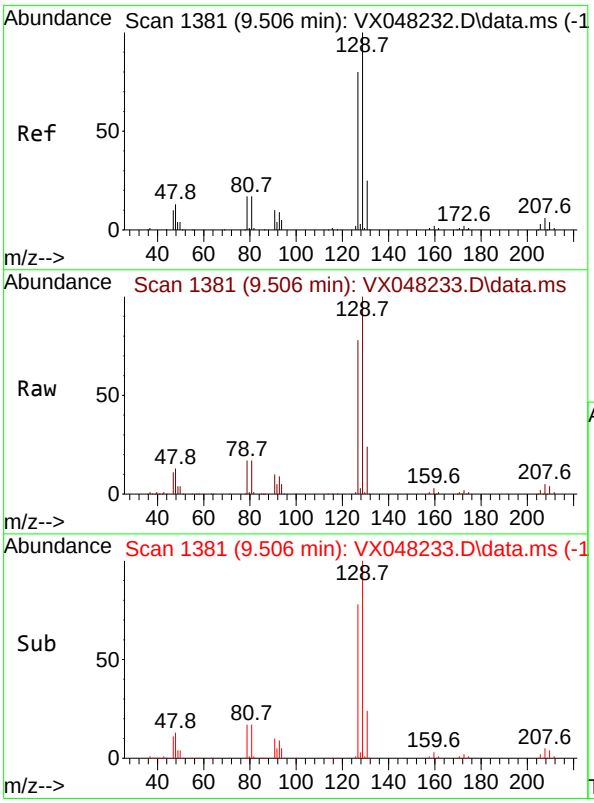
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.8 | 26.3 | 78.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

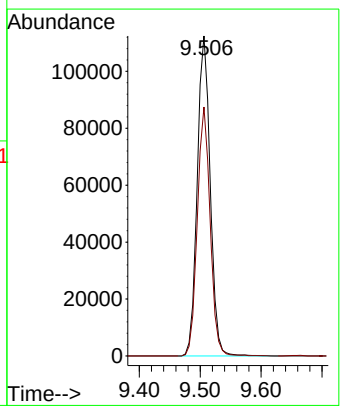
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

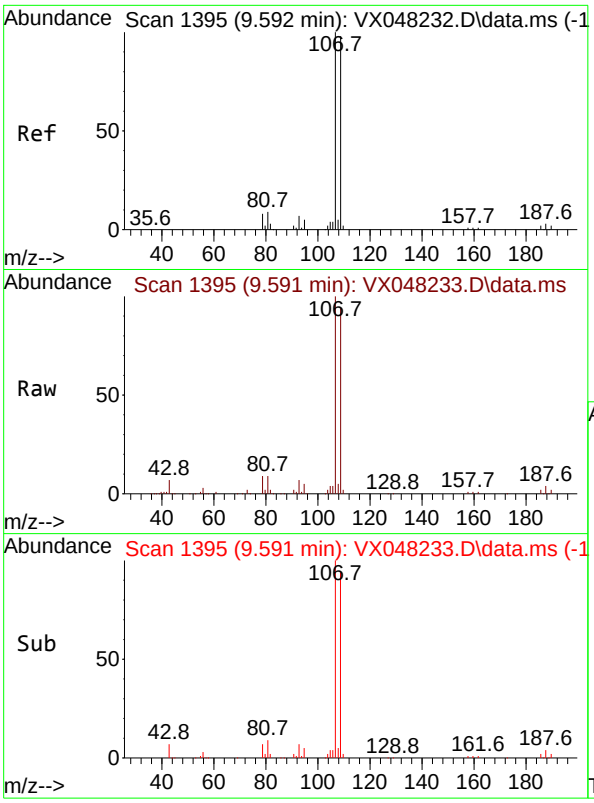



#60
Dibromochloromethane
Concen: 108.598 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:129 Resp: 166167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.9 | 38.6 | 115.7 |






#61
1,2-Dibromoethane
Concen: 107.431 ug/l
RT: 9.591 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

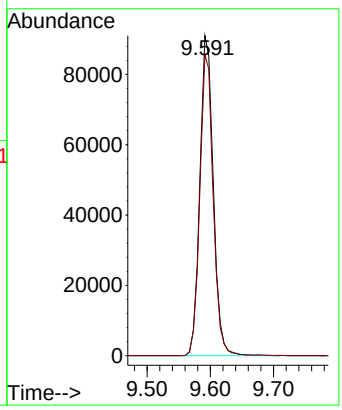
Tgt Ion:107 Resp: 13466

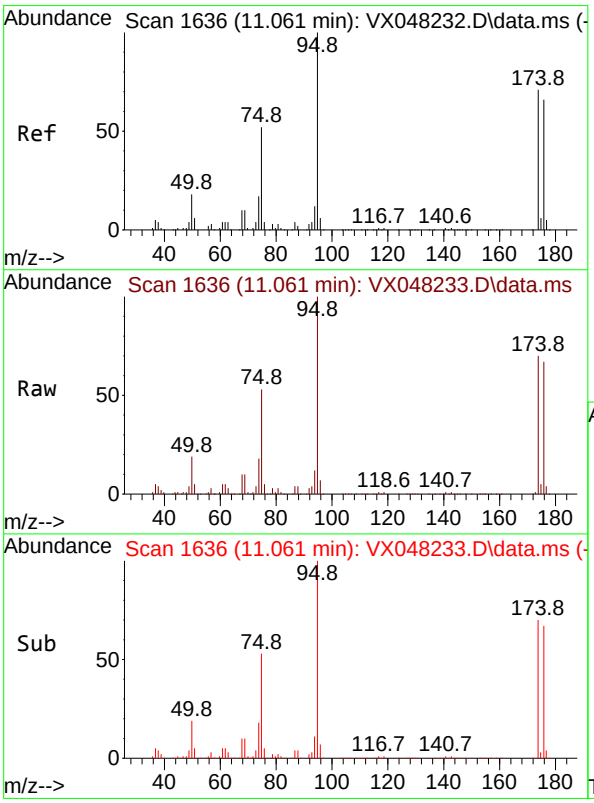
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 77.0 | 115.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

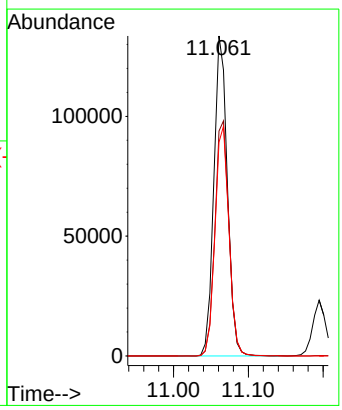


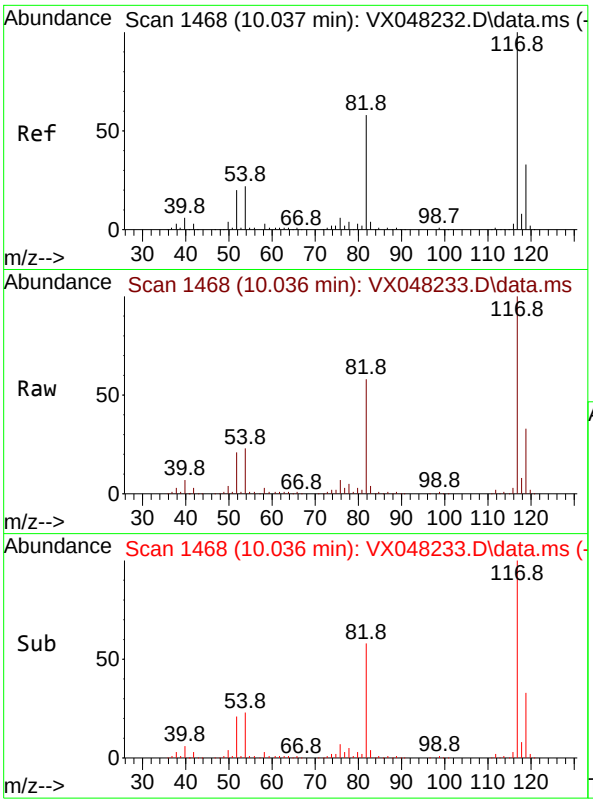




#62
4-Bromofluorobenzene
Concen: 97.996 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 95 Resp: 167565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.3 | 0.0 | 147.8 |
| 176 | 74.1 | 0.0 | 142.8 |

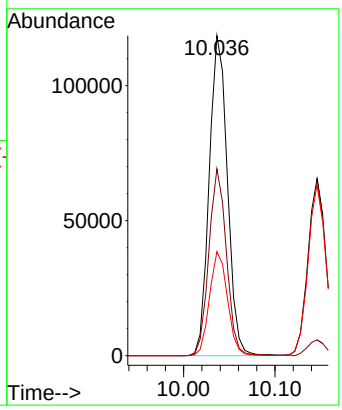





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:117 Resp: 16358

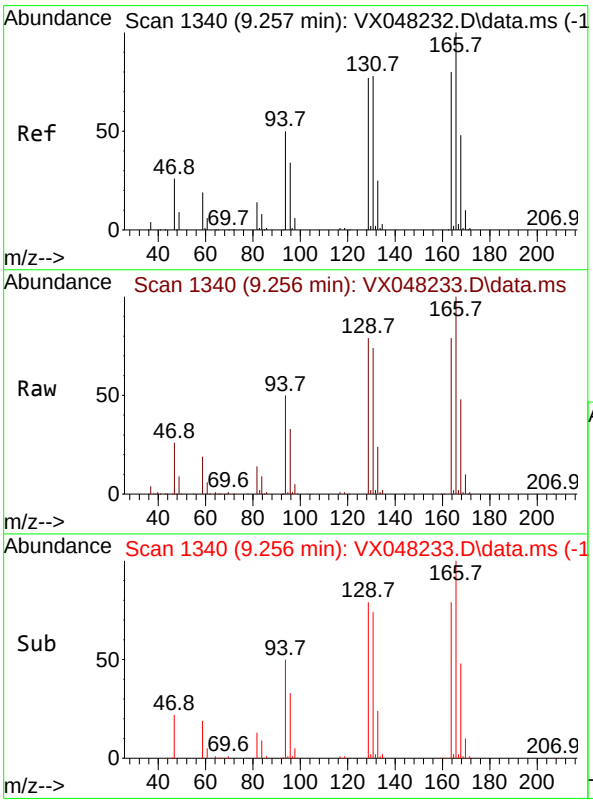
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.4 | 46.5 | 69.7 |
| 119 | 32.5 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

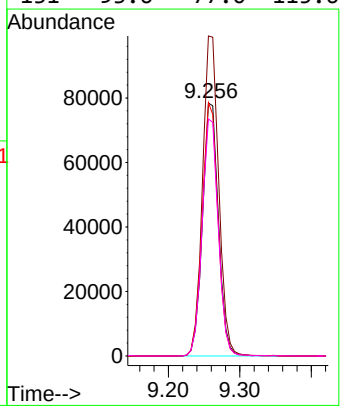
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

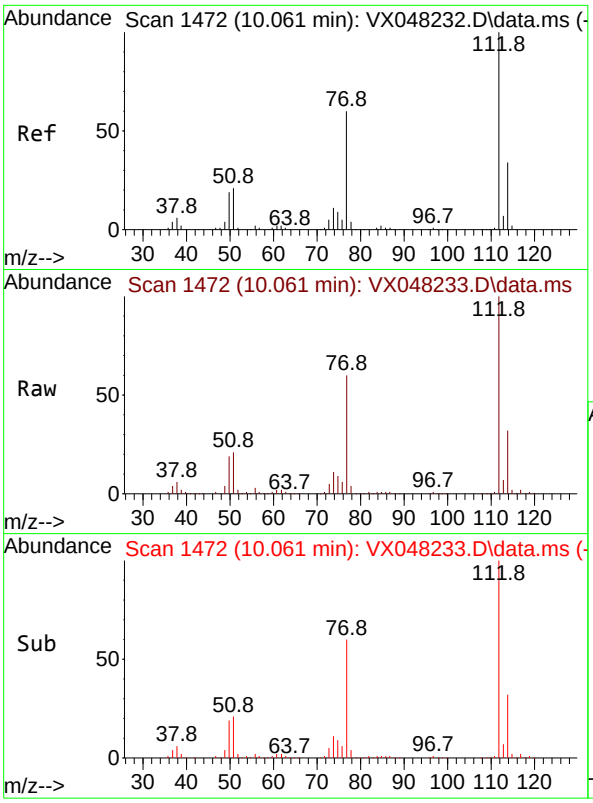



#64
Tetrachloroethene
Concen: 105.633 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:164 Resp: 121163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.5 | 104.5 | 156.7 |
| 129 | 100.1 | 81.8 | 122.6 |
| 131 | 93.6 | 77.0 | 115.6 |

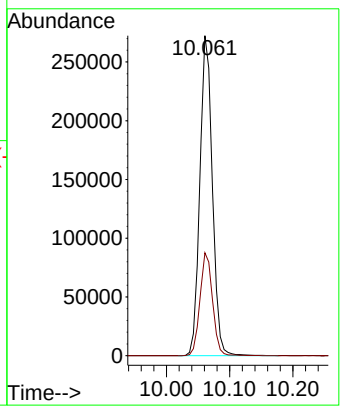





#65
Chlorobenzene
Concen: 104.990 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:112 Resp: 37553

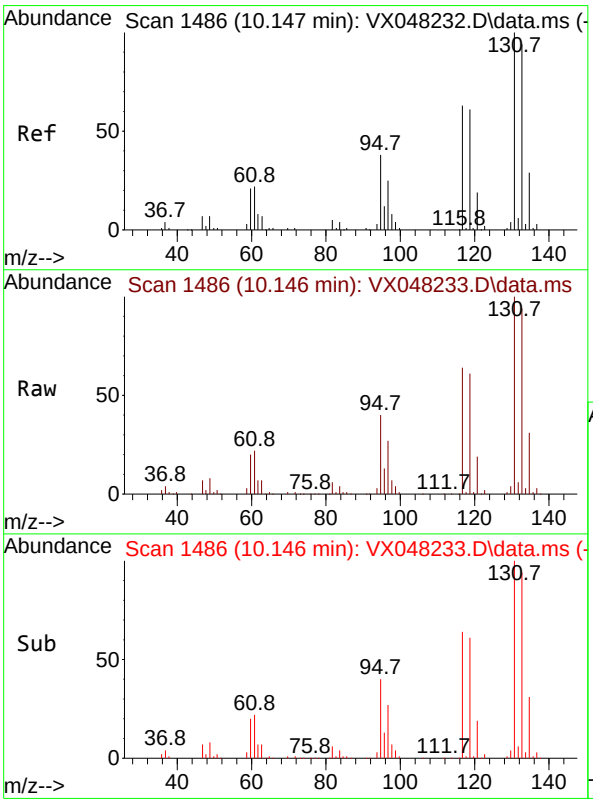
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

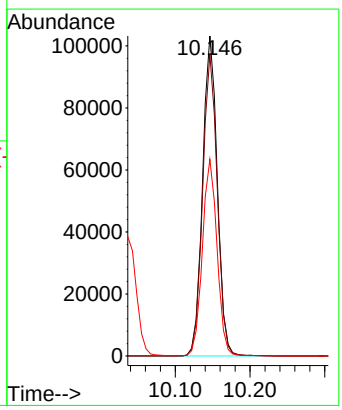
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

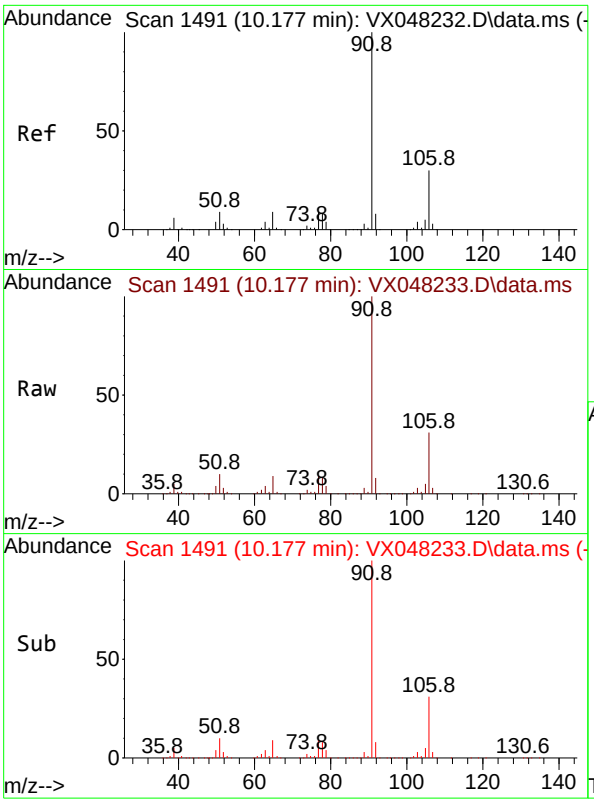



#66
1,1,1,2-Tetrachloroethane
Concen: 109.080 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:131 Resp: 140599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.7 | 47.6 | 142.8 |
| 119 | 61.6 | 32.5 | 97.5 |

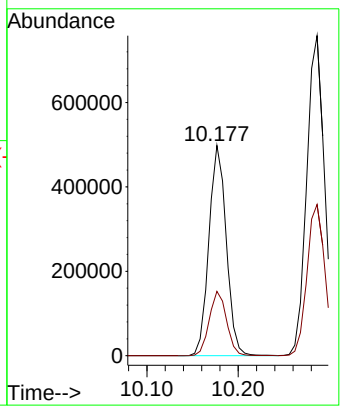





#67
Ethyl Benzene
Concen: 107.128 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 91 Resp: 65692

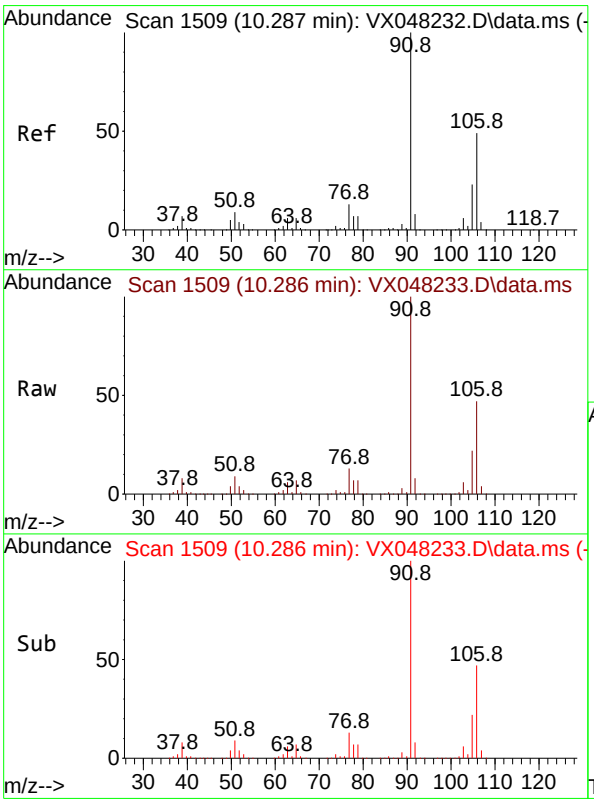
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

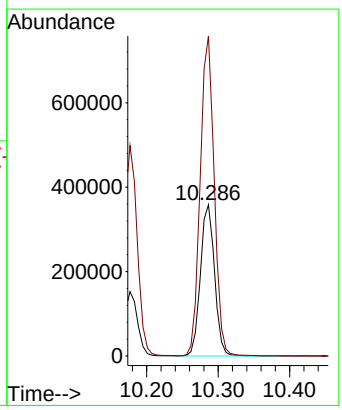
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

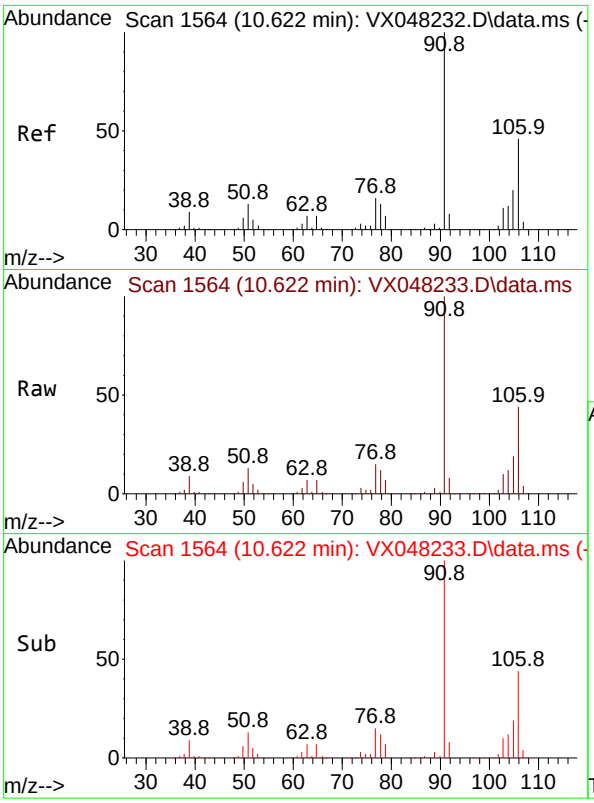



#68
m/p-Xylenes
Concen: 214.875 ug/l
RT: 10.286 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:106 Resp: 490879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.5 | 167.9 | 251.9 |

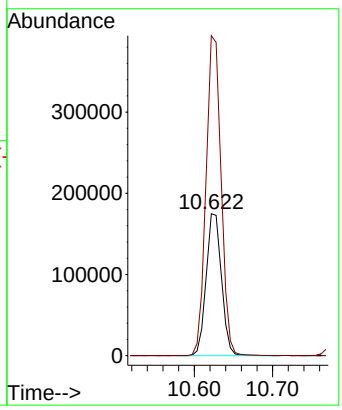





#69
o-Xylene
Concen: 110.042 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:106 Resp: 23664

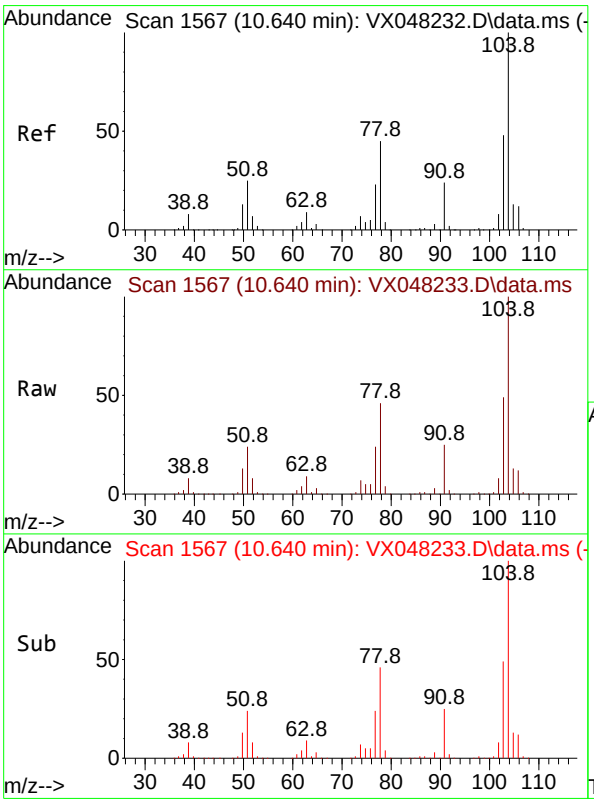
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.9 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

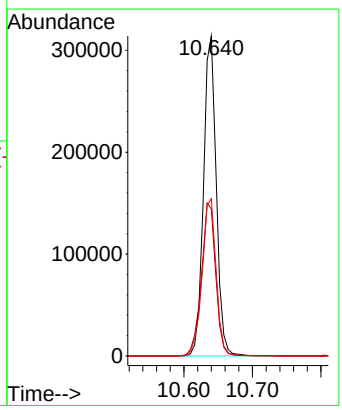
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

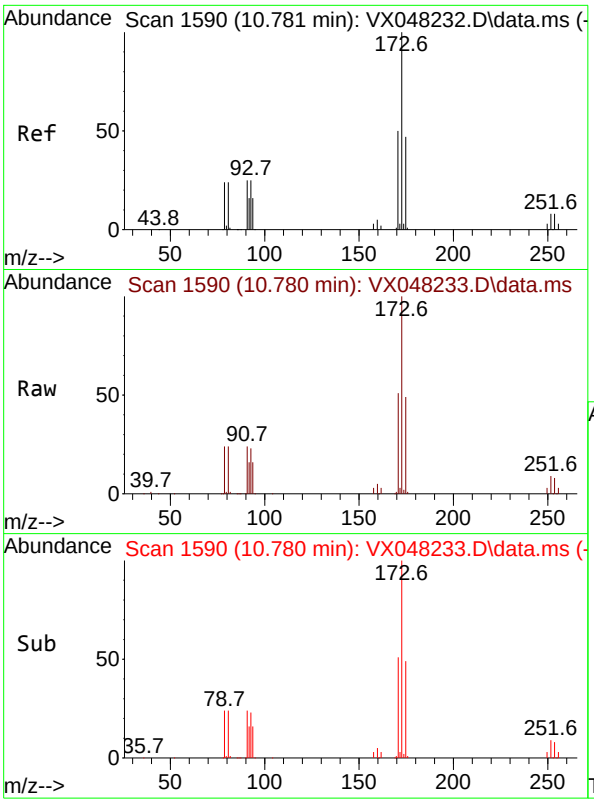



#70
Styrene
Concen: 110.197 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:104 Resp: 407916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.6 | 42.2 | 63.4 |
| 103 | 54.0 | 43.0 | 64.4 |

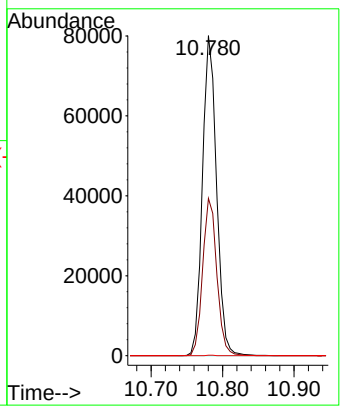





#71
Bromoform
Concen: 115.806 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:173 Resp: 10961

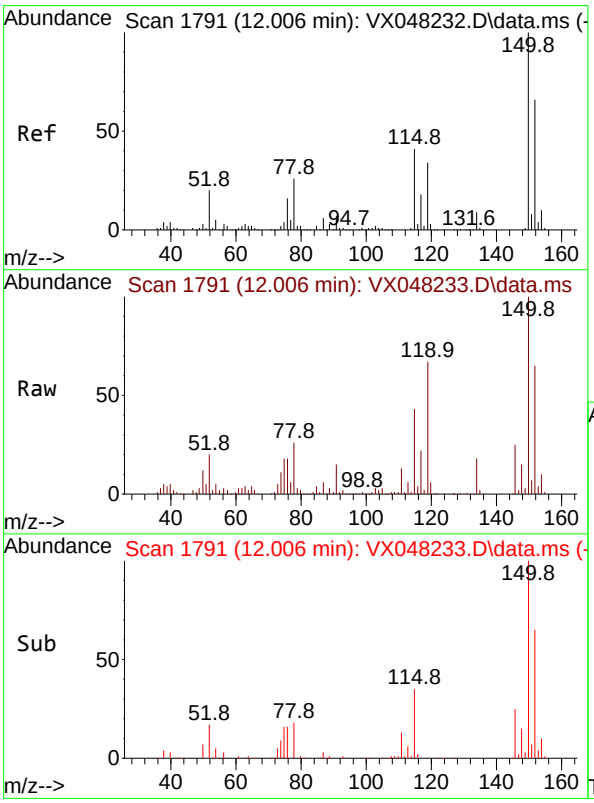
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.4 | 24.0 | 72.0 |
| 254 | 0.1 | 0.0 | 0.0# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

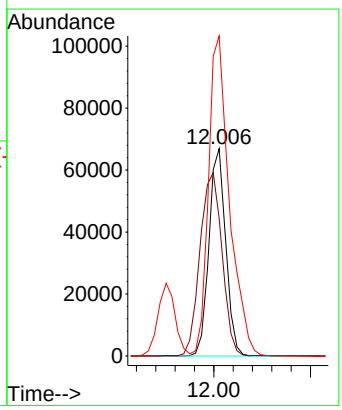
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

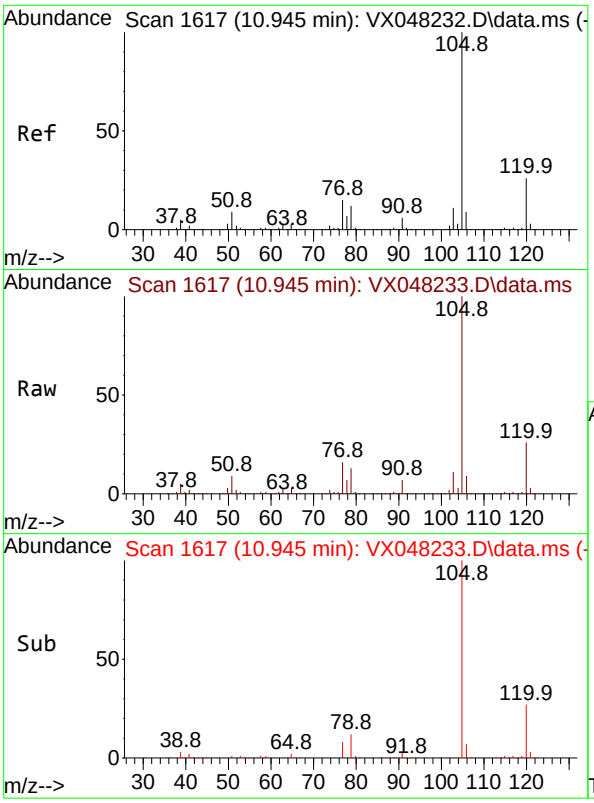



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:152 Resp: 80621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 116.4 | 43.1 | 129.4 |
| 150 | 192.6 | 0.0 | 353.0 |

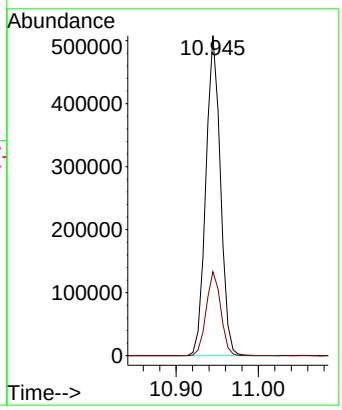





#73
Isopropylbenzene
Concen: 111.418 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:105 Resp: 62476

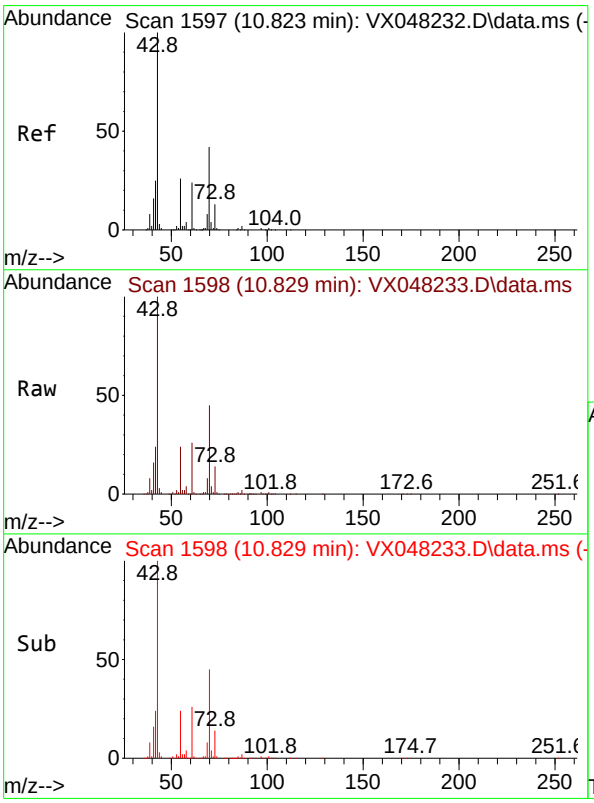
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.0 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

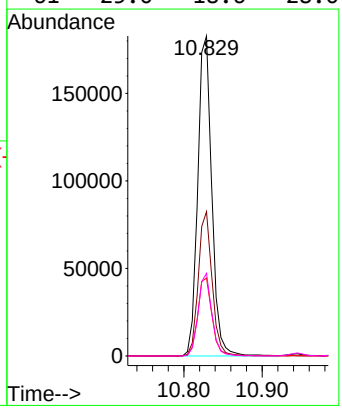
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

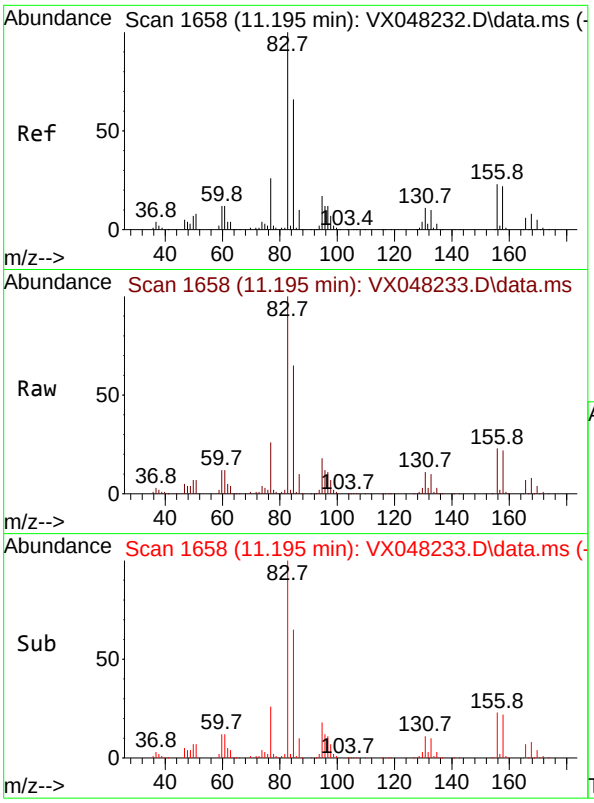



#74
N-amyl acetate
Concen: 109.030 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 228080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.4 | 32.2 | 48.2 |
| 55 | 24.8 | 19.1 | 28.7 |
| 61 | 25.0 | 18.6 | 28.0 |

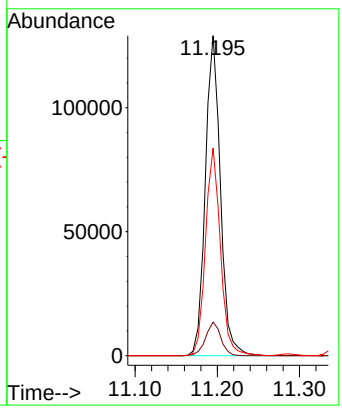





#75
1,1,2,2-Tetrachloroethane
Concen: 103.367 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 83 Resp: 16420

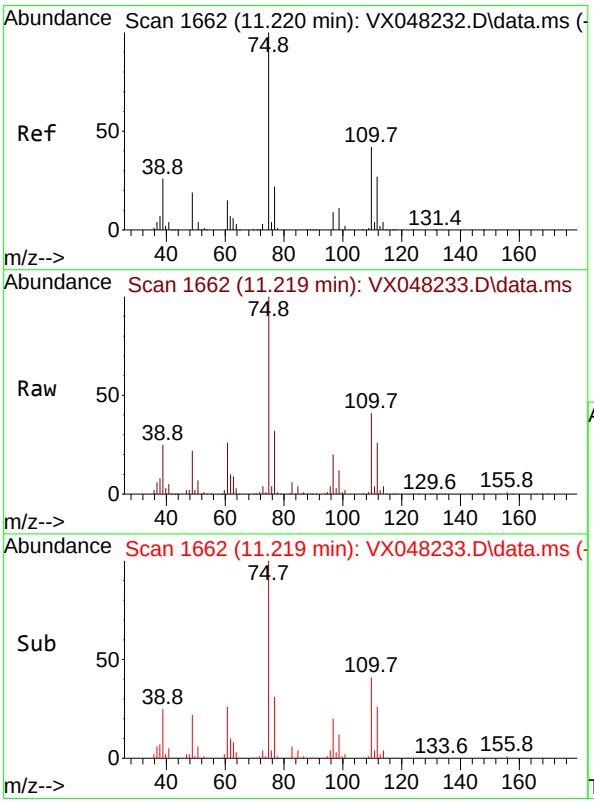
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.6 | 4.8 | 14.4 |
| 85 | 64.4 | 31.9 | 95.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

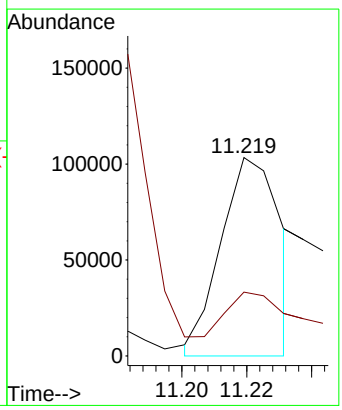
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

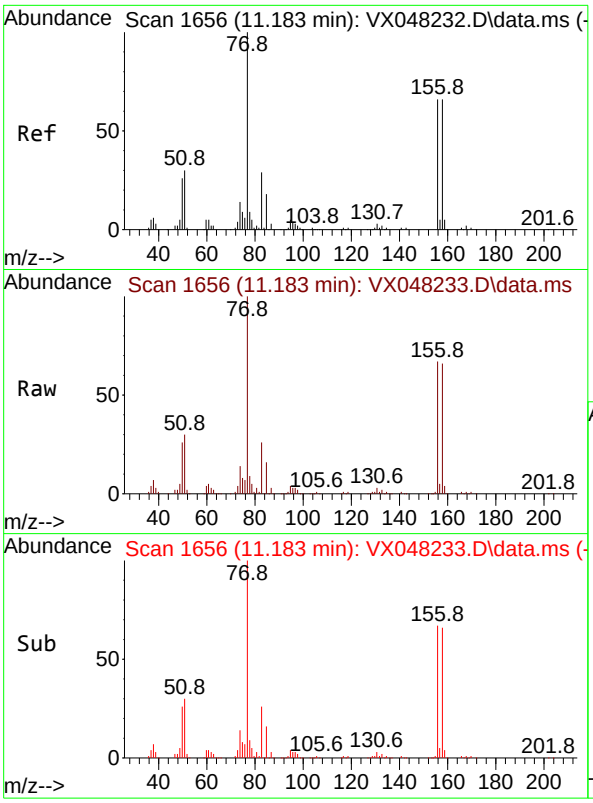



#76
1,2,3-Trichloropropane
Concen: 106.083 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 130599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 45.0 | 22.4 | 67.2 |






#77
Bromobenzene
Concen: 109.475 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

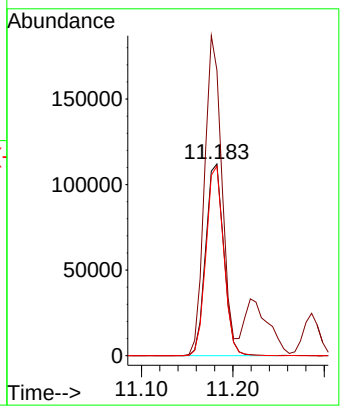
Tgt Ion:156 Resp: 153619

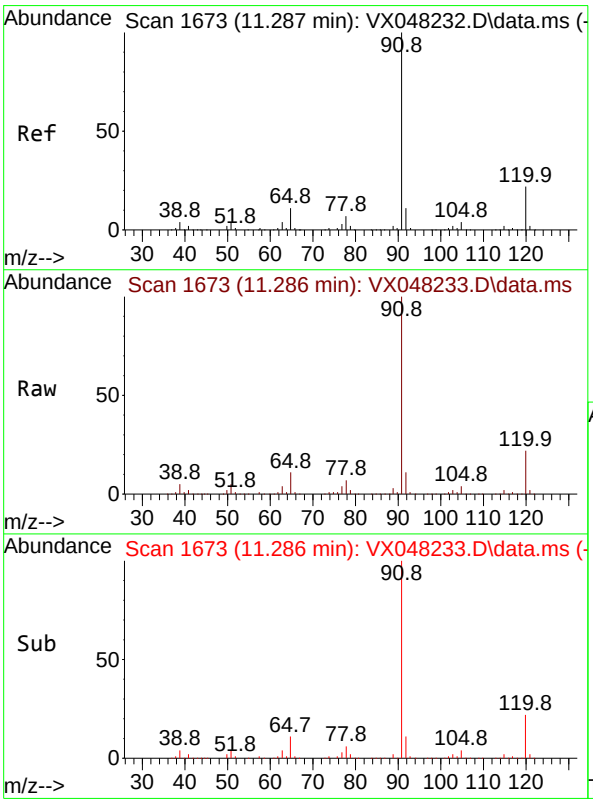
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 159.4 | 87.0 | 261.0 |
| 158 | 96.9 | 47.8 | 143.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

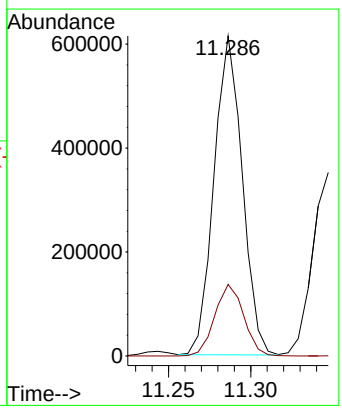


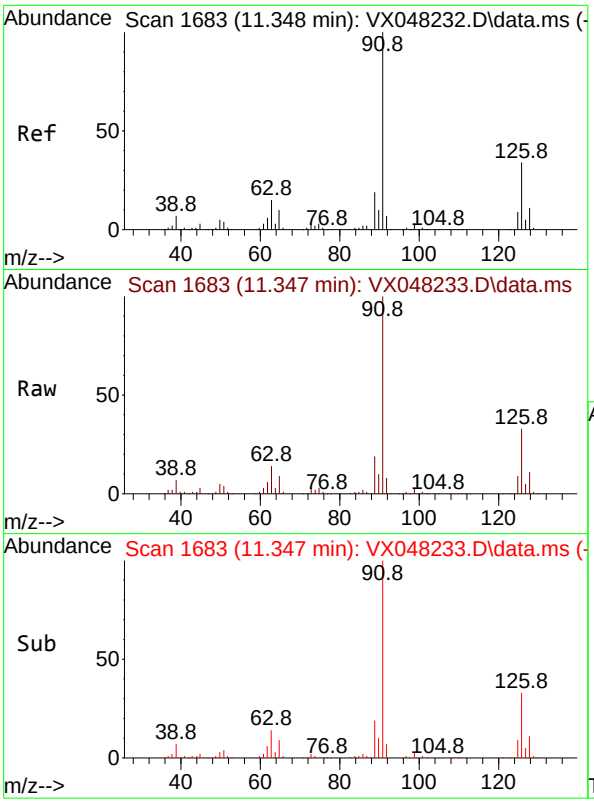




#78
n-propylbenzene
Concen: 107.747 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 91 Resp: 732684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.0 | 11.1 | 33.1 |






#79
2-Chlorotoluene
Concen: 105.691 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

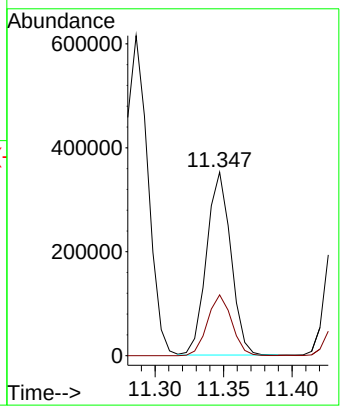
Tgt Ion: 91 Resp: 43421

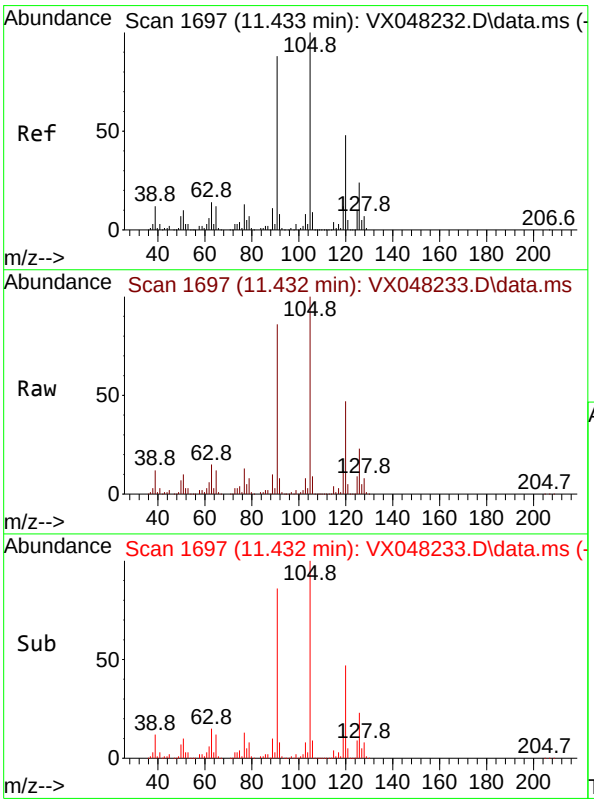
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.4 | 49.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

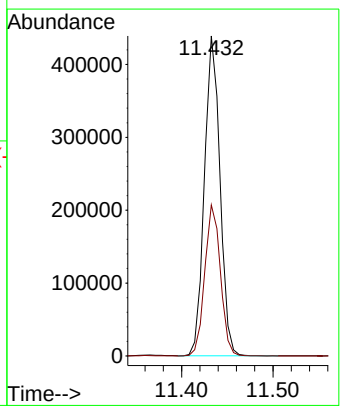


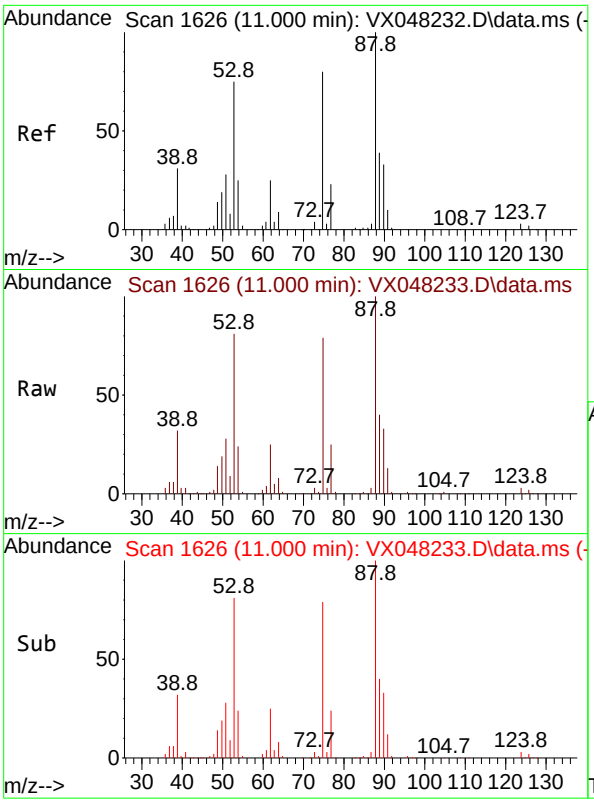




#80
1,3,5-Trimethylbenzene
Concen: 112.876 ug/l
RT: 11.432 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:105 Resp: 519549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 24.0 | 72.0 |

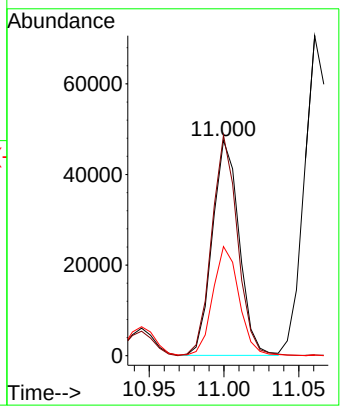





#81
trans-1,4-Dichloro-2-butene
Concen: 117.466 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 5905

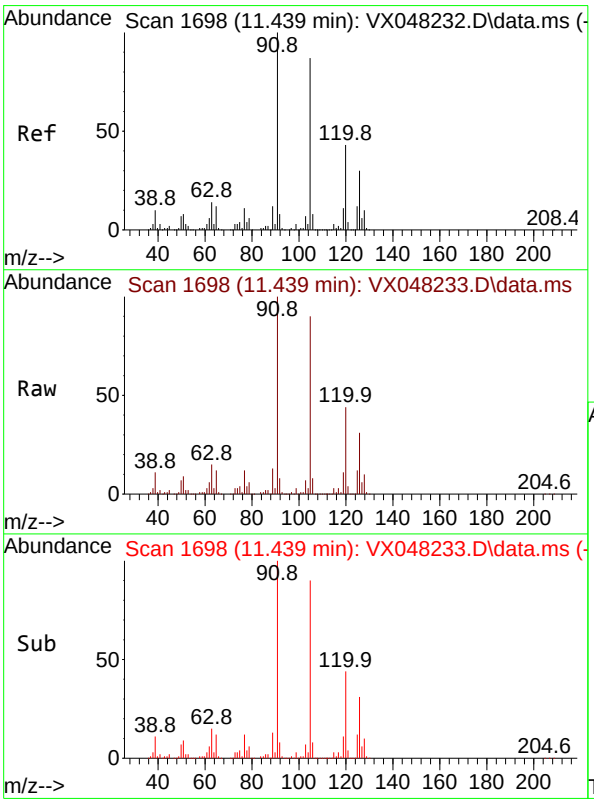
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 98.7 | 79.5 | 119.3 |
| 89 | 49.9 | 36.8 | 55.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

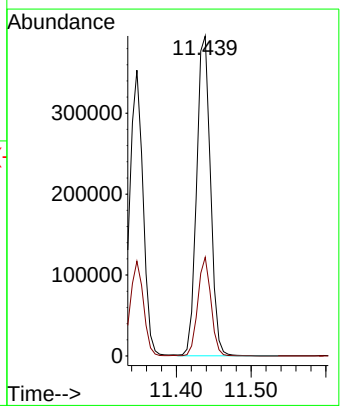
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

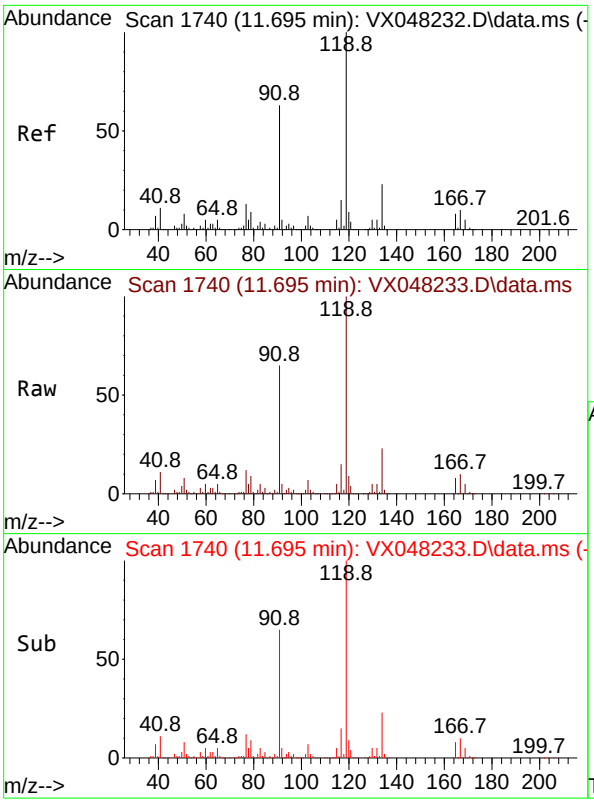



#82
4-Chlorotoluene
Concen: 104.983 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 91 Resp: 506861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.5 | 14.1 | 42.4 |

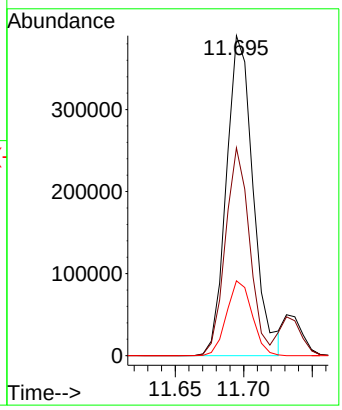





#83
tert-Butylbenzene
Concen: 113.817 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:119 Resp: 52926

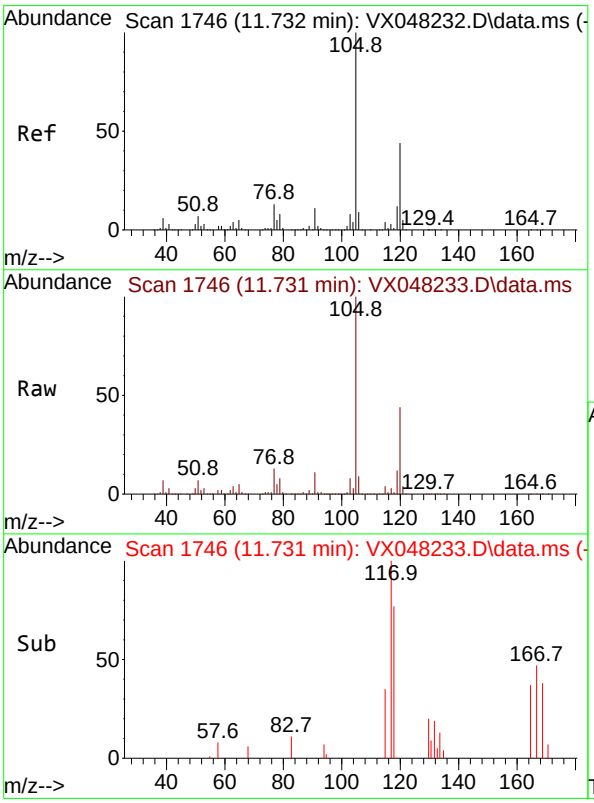
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.1 | 30.3 | 91.0 |
| 134 | 22.3 | 11.4 | 34.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

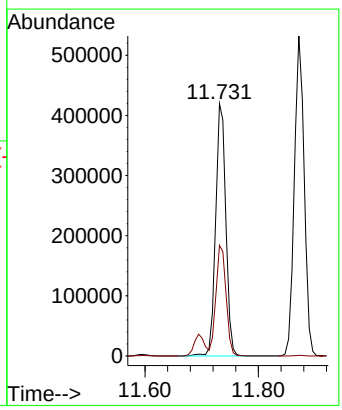
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

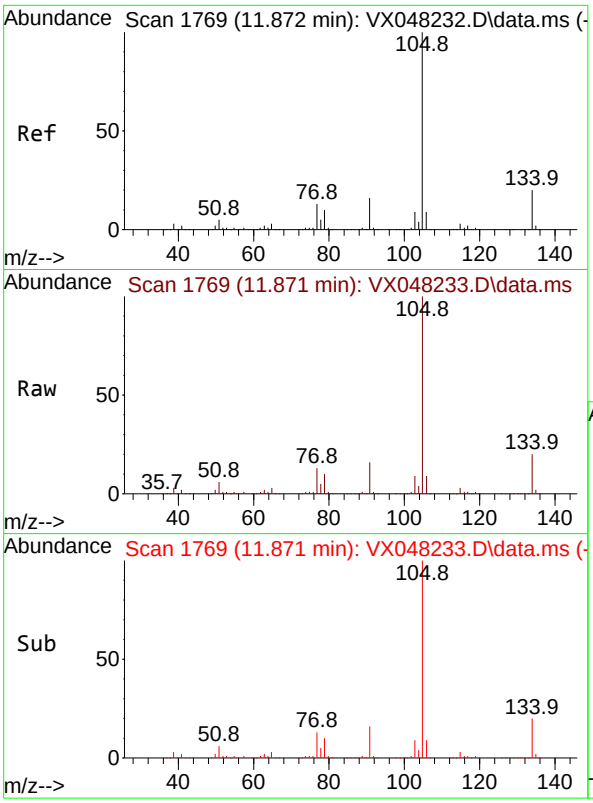



#84
1,2,4-Trimethylbenzene
Concen: 114.214 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:105 Resp: 523474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 22.1 | 66.5 |






#85
sec-Butylbenzene
Concen: 112.562 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

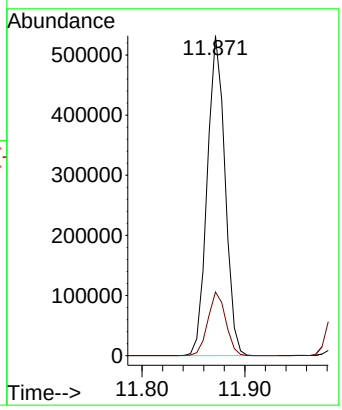
Tgt Ion:105 Resp: 63990

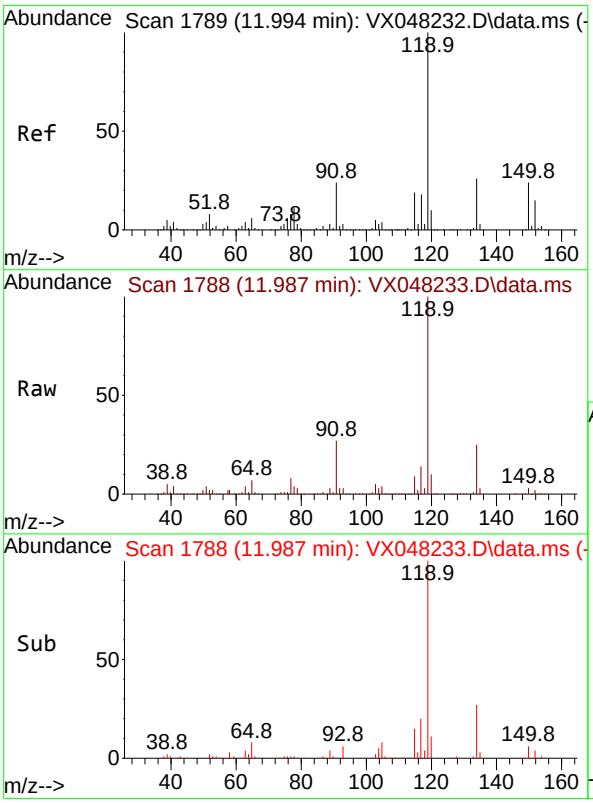
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 10.1 | 30.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

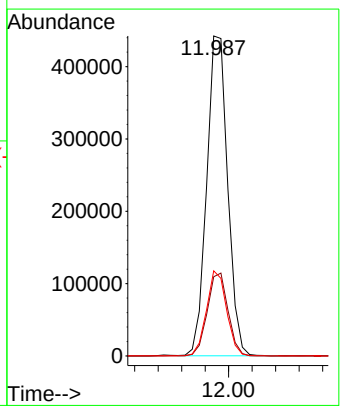


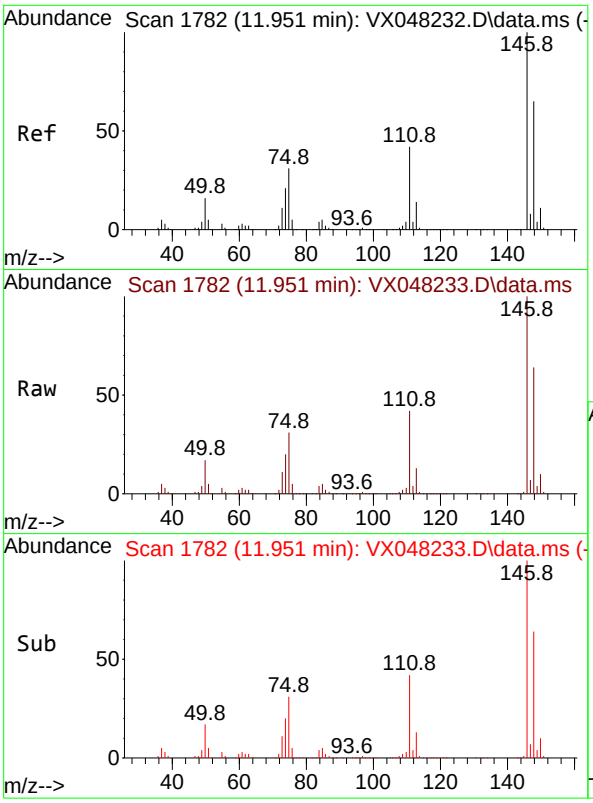




#86
p-Isopropyltoluene
Concen: 114.386 ug/l
RT: 11.987 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:119 Resp: 548119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 13.0 | 39.0 |
| 91 | 25.5 | 12.1 | 36.3 |

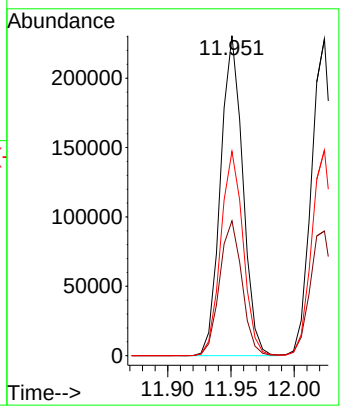





#87
1,3-Dichlorobenzene
Concen: 107.314 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:146 Resp: 28161

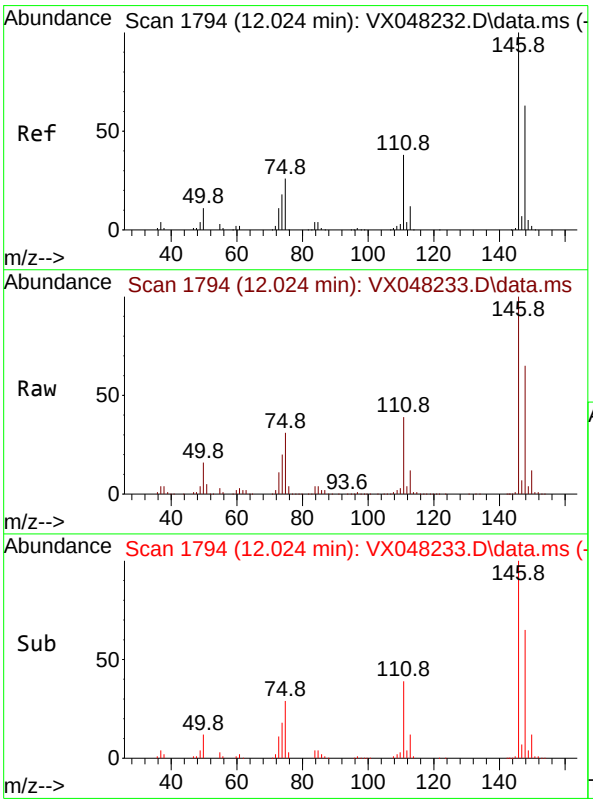
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.4 | 20.4 | 61.2 |
| 148 | 64.2 | 31.9 | 95.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

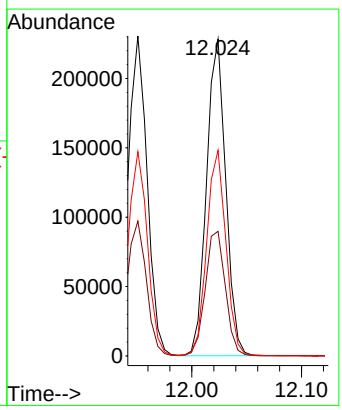
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

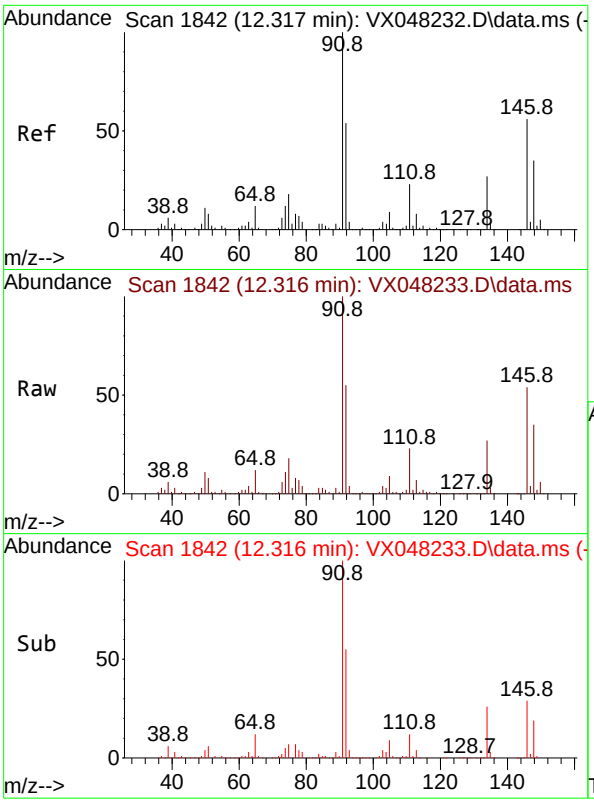



#88
1,4-Dichlorobenzene
Concen: 102.163 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:146 Resp: 277908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.1 | 60.2 |
| 148 | 65.0 | 31.8 | 95.3 |

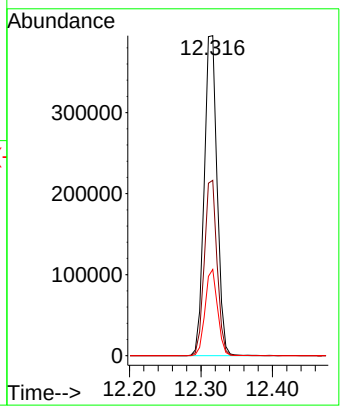





#89
n-Butylbenzene
Concen: 111.016 ug/l
RT: 12.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 91 Resp: 49548

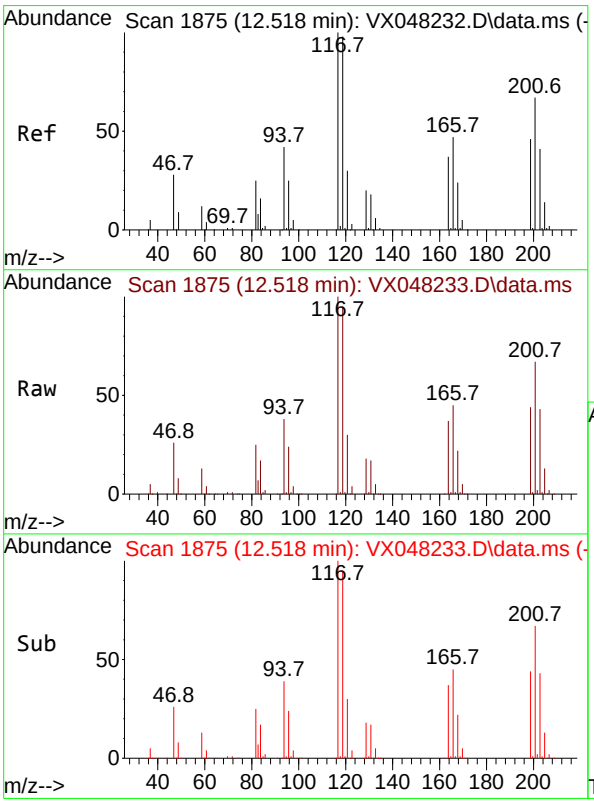
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.3 | 26.9 | 80.6 |
| 134 | 26.1 | 12.7 | 38.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

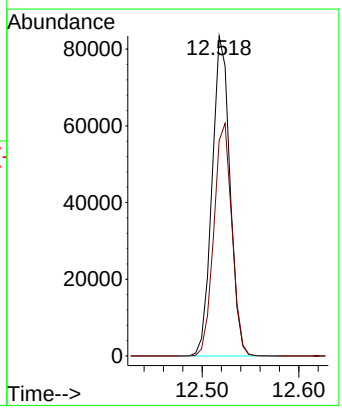
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

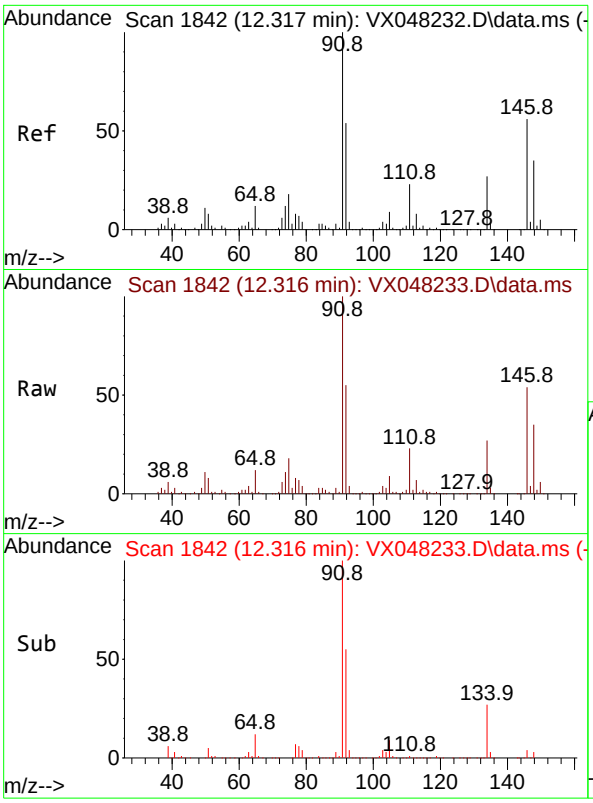



#90
Hexachloroethane
Concen: 105.851 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:117 Resp: 107057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 73.5 | 34.1 | 102.2 |

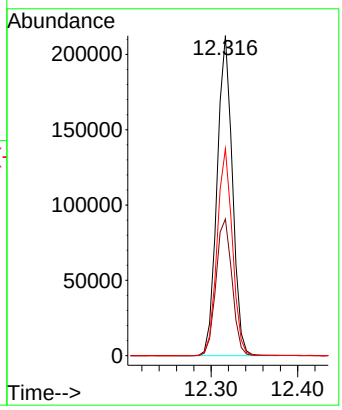





#91
1,2-Dichlorobenzene
Concen: 105.277 ug/l
RT: 12.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:146 Resp: 26102

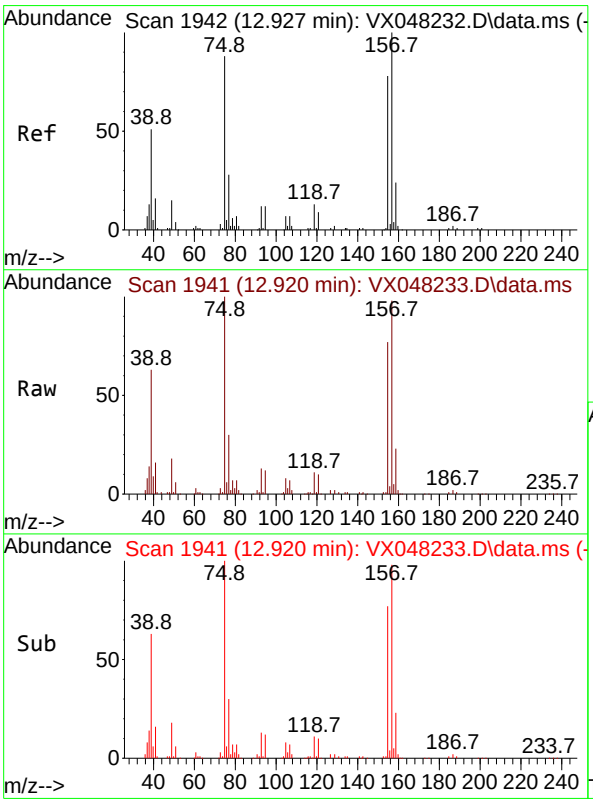
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.7 | 21.9 | 65.5 |
| 148 | 64.5 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

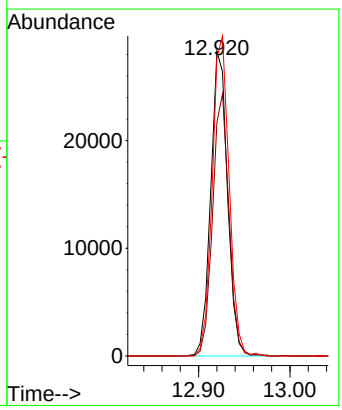
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

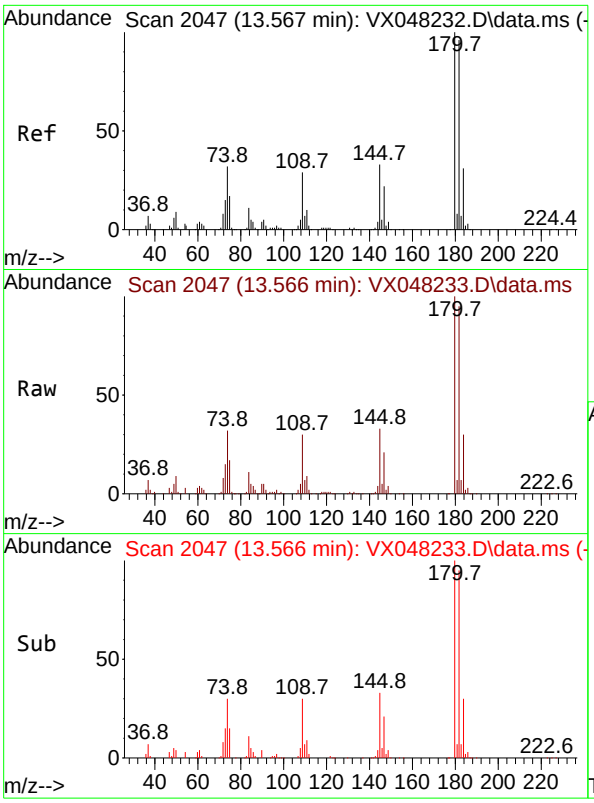



#92
1,2-Dibromo-3-Chloropropane
Concen: 124.320 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 36087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.6 | 42.8 | 128.4 |
| 157 | 105.4 | 54.2 | 162.6 |

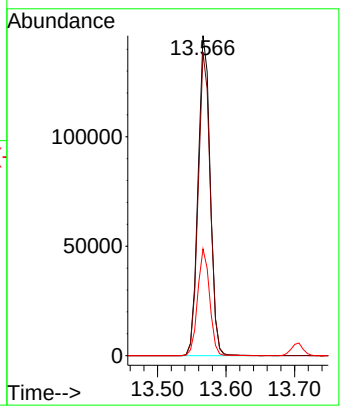





#93
1,2,4-Trichlorobenzene
Concen: 122.679 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:180 Resp: 17956

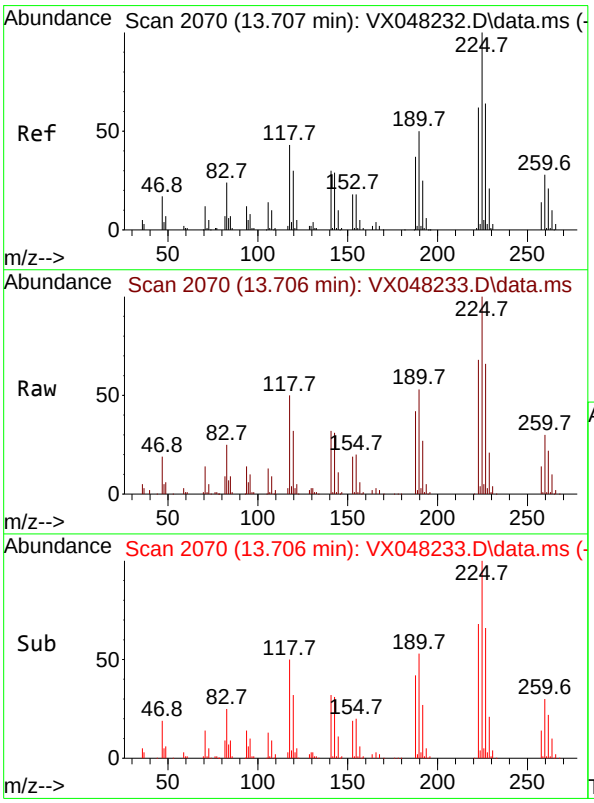
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 47.3 | 142.0 |
| 145 | 33.0 | 16.3 | 48.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

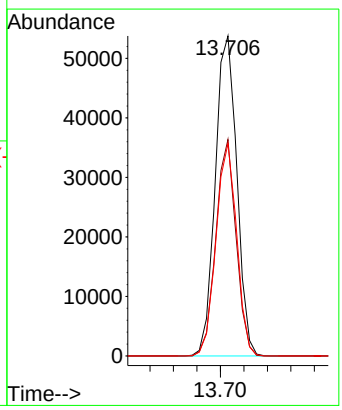
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

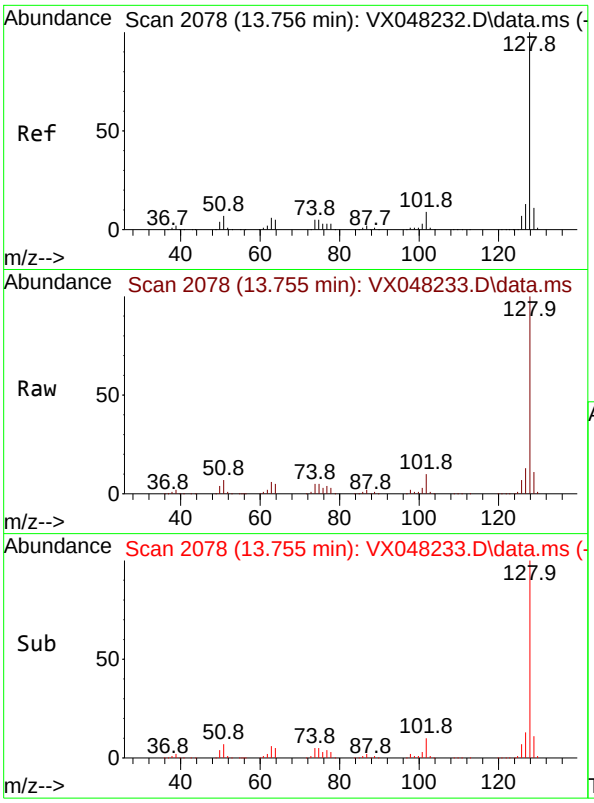



#94
Hexachlorobutadiene
Concen: 121.605 ug/l
RT: 13.706 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:225 Resp: 68645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 32.6 | 97.7 |
| 227 | 63.5 | 32.5 | 97.4 |

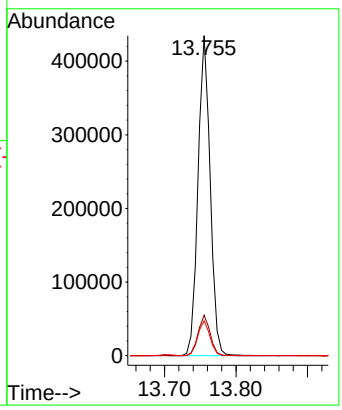





#95
Naphthalene
Concen: 132.536 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:128 Resp: 51135

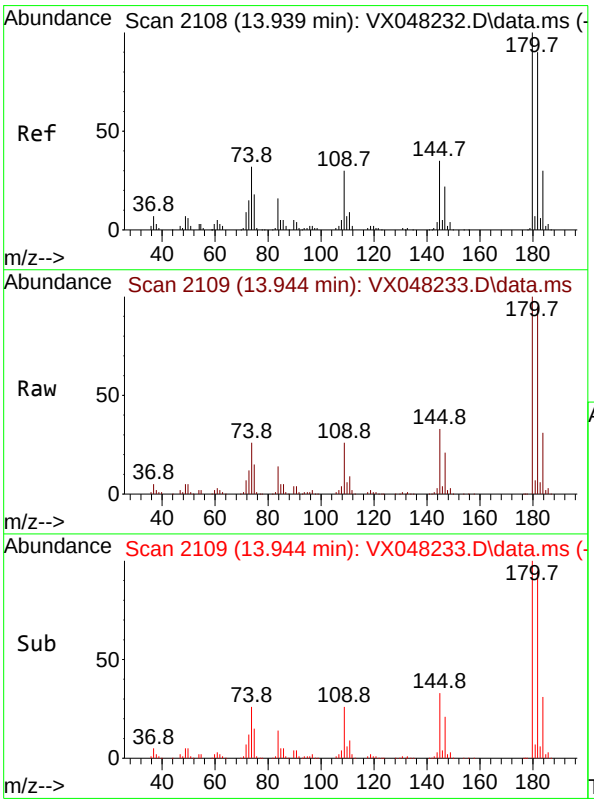
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.4 |
| 129 | 10.9 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

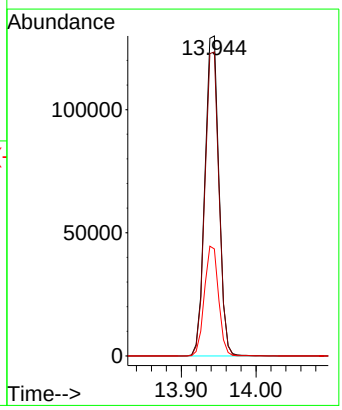
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 125.328 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:180 Resp: 169248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 46.6 | 139.7 |
| 145 | 34.6 | 16.9 | 50.7 |



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048234.D
Acq On : 20 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 20 13:01:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 112063 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 180904 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 155759 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 75397 | 50.000 | ug/l | # 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 234807 | 135.251 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 270.500%# | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 188821 | 150.393 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 300.780%# | | | |
| 50) Toluene-d8 | 8.635 | 98 | 648652 | 143.408 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 286.820%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 239298 | 145.255 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 290.520%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 169514 | 144.124 | ug/l | 95 |
| 3) Chloromethane | 1.301 | 50 | 158322 | 111.112 | ug/l | 99 |
| 4) Vinyl Chloride | 1.380 | 62 | 149708 | 99.710 | ug/l | 99 |
| 5) Bromomethane | 1.605 | 94 | 92946 | 93.091 | ug/l | 97 |
| 6) Chloroethane | 1.685 | 64 | 89813 | 93.997 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 292007 | 123.905 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 81474 | 101.352 | ug/l | 88 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 184438 | 138.880 | ug/l | 96 |
| 10) Methyl Iodide | 2.453 | 142 | 249395 | 156.785 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.959 | 59 | 107295 | 931.439 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 178408 | 137.389 | ug/l | 95 |
| 13) Acrolein | 2.239 | 56 | 123365 | 509.584 | ug/l | 99 |
| 14) Allyl chloride | 2.666 | 41 | 293697 | 125.734 | ug/l | 98 |
| 15) Acrylonitrile | 3.062 | 53 | 412892 | 748.019 | ug/l | 100 |
| 16) Acetone | 2.380 | 43 | 347029 | 585.970 | ug/l | 99 |
| 17) Carbon Disulfide | 2.514 | 76 | 515144 | 128.936 | ug/l | 100 |
| 18) Methyl Acetate | 2.697 | 43 | 169402 | 140.438 | ug/l | 93 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 593033 | 151.611 | ug/l | 97 |
| 20) Methylene Chloride | 2.788 | 84 | 190483 | 132.030 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 187495 | 139.566 | ug/l | 98 |
| 22) Diisopropyl ether | 3.757 | 45 | 571951 | 125.048 | ug/l | 93 |
| 23) Vinyl Acetate | 3.715 | 43 | 2367511 | 692.251 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 342500 | 131.992 | ug/l | 99 |
| 25) 2-Butanone | 4.544 | 43 | 487152 | 706.046 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 310572 | 140.027 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 222359 | 139.465 | ug/l | 98 |
| 28) Bromochloromethane | 4.891 | 49 | 151812 | 126.922 | ug/l | 87 |
| 29) Tetrahydrofuran | 4.989 | 42 | 301745 | 744.697 | ug/l | 94 |
| 30) Chloroform | 5.080 | 83 | 358626 | 131.272 | ug/l | 98 |
| 31) Cyclohexane | 5.464 | 56 | 291302 | 137.199 | ug/l | 91 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 338462 | 150.785 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 249688 | 141.173 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 208614 | 147.588 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 307892 | 151.663 | ug/l | 100 |
| 39) Methylcyclohexane | 7.367 | 83 | 315911 | 158.416 | ug/l | 95 |
| 40) Benzene | 6.025 | 78 | 730908 | 139.172 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048234.D
Acq On : 20 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 20 13:01:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.910 | 41 | 115351 | 152.378 ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 269245 | 143.093 ug/l | | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 361084 | 152.180 ug/l | | 96 |
| 44) Trichloroethene | 7.110 | 130 | 197244 | 149.022 ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 180619 | 135.890 ug/l | | 99 |
| 46) Dibromomethane | 7.568 | 93 | 135105 | 141.273 ug/l | | 94 |
| 47) Bromodichloromethane | 7.805 | 83 | 292063 | 141.302 ug/l | | 97 |
| 48) Methyl methacrylate | 7.677 | 41 | 184354 | 151.780 ug/l | | 95 |
| 49) 1,4-Dioxane | 7.647 | 88 | 49895 | 4563.512 ug/l | | 88 |
| 51) 4-Methyl-2-Pentanone | 8.561 | 43 | 983125 | 744.604 ug/l | | 94 |
| 52) Toluene | 8.702 | 92 | 460742 | 145.964 ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 300251 | 155.059 ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 317375 | 150.373 ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 169894 | 144.250 ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 272177 | 169.911 ug/l | | 94 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 293650 | 142.707 ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.232 | 63 | 705780 | 858.056 ug/l | | 95 |
| 59) 2-Hexanone | 9.415 | 43 | 694736 | 752.256 ug/l | | 96 |
| 60) Dibromochloromethane | 9.506 | 129 | 226642 | 153.740 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 182208 | 150.876 ug/l | | 99 |
| 64) Tetrachloroethene | 9.263 | 164 | 168581 | 154.361 ug/l | | 91 |
| 65) Chlorobenzene | 10.061 | 112 | 514967 | 151.209 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 191186 | 155.782 ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 898137 | 153.825 ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 661019 | 303.896 ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 320334 | 156.444 ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 548149 | 155.523 ug/l | | 98 |
| 71) Bromoform | 10.781 | 173 | 152209 | 168.892 ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 849183 | 161.931 ug/l | | 100 |
| 74) N-amyl acetate | 10.829 | 43 | 314879 | 160.952 ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 224486 | 151.104 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 181434m | 157.586 ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 207212 | 157.899 ug/l | | 94 |
| 78) n-propylbenzene | 11.287 | 91 | 991960 | 155.984 ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 585792 | 152.465 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 699885 | 162.591 ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 83158 | 176.858 ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 691903 | 153.240 ug/l | | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 717642 | 165.020 ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 707074 | 164.961 ug/l | | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 861466 | 162.035 ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 738496 | 164.794 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 386062 | 157.307 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 386885 | 152.078 ug/l | | 100 |
| 89) n-Butylbenzene | 12.311 | 91 | 664071 | 159.098 ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 145813 | 154.159 ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 359278 | 154.946 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 50367 | 185.536 ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 247472 | 180.791 ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 92458 | 175.138 ug/l | | 100 |
| 95) Naphthalene | 13.756 | 128 | 719433 | 199.386 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 233671 | 185.022 ug/l | | 97 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048234.D
Acq On : 20 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 13:01:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

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

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

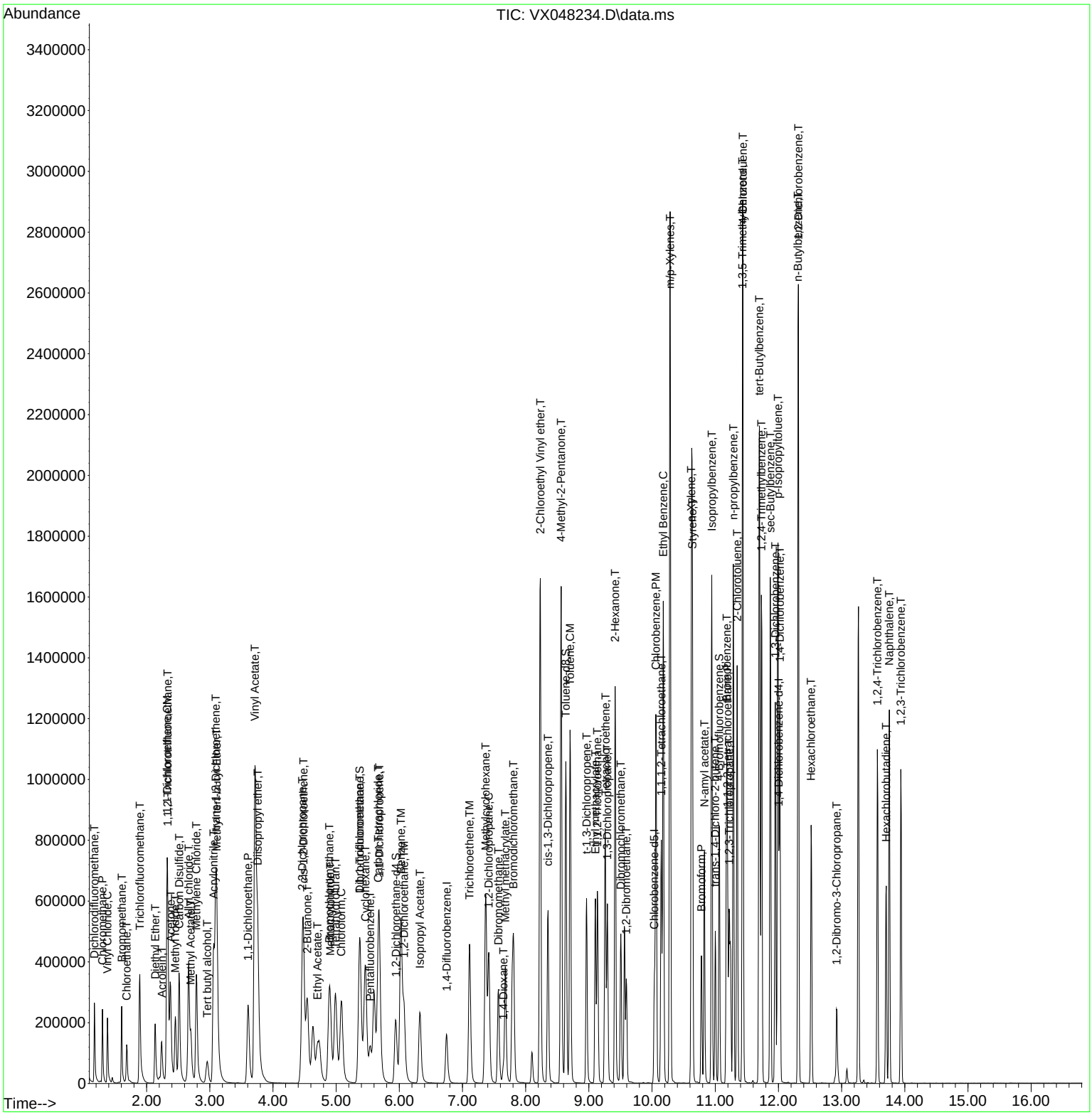
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048234.D
Acq On : 20 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

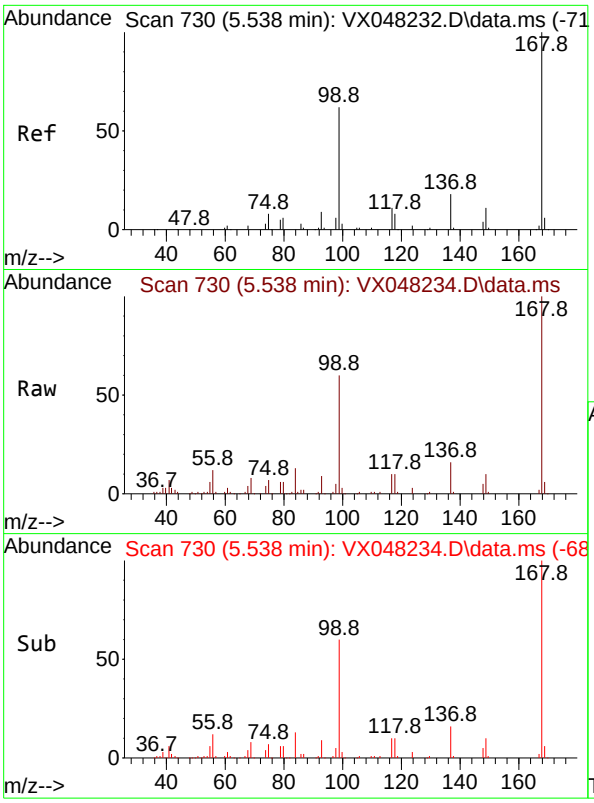
Quant Time: Oct 20 13:01:04 2025
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Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

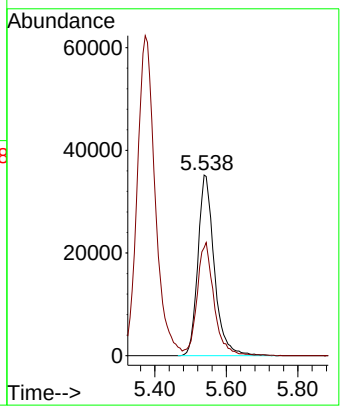





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:168 Resp: 11206

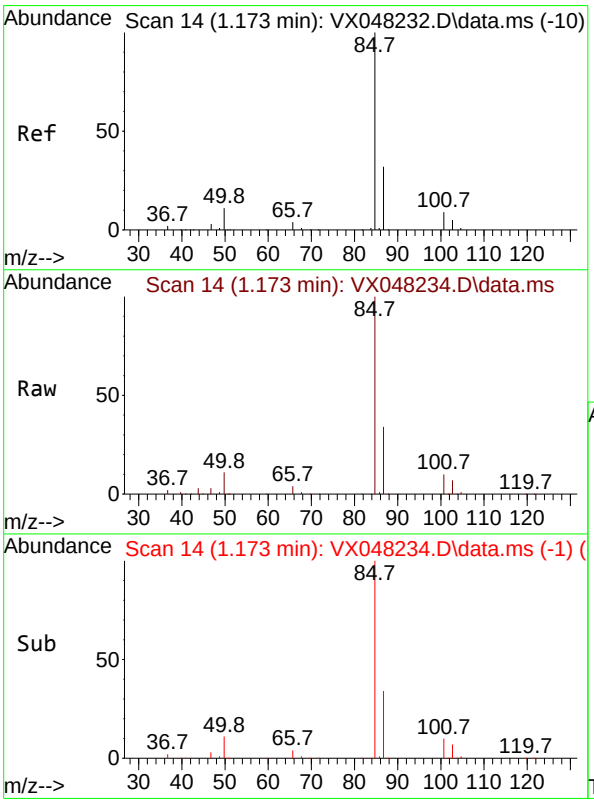
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.8 | 46.4 | 69.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

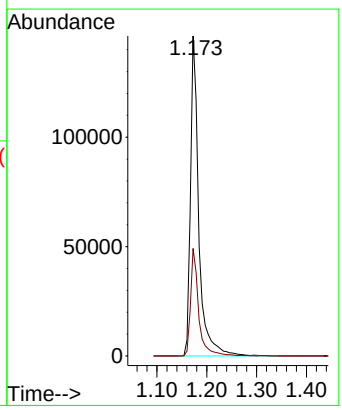
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

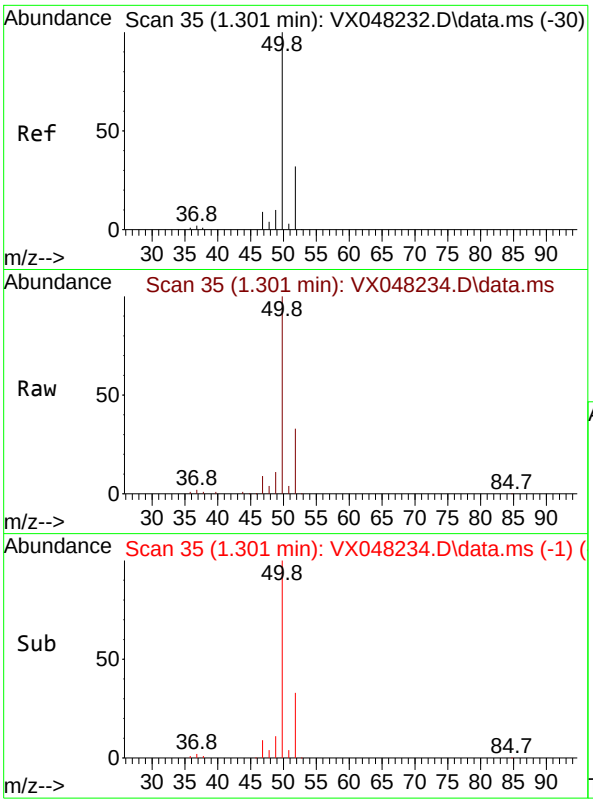



#2
Dichlorodifluoromethane
Concen: 144.124 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 85 Resp: 169514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.6 | 15.3 | 45.9 |

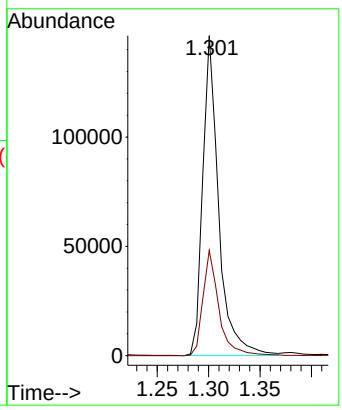





#3
Chloromethane
Concen: 111.112 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 50 Resp: 15832

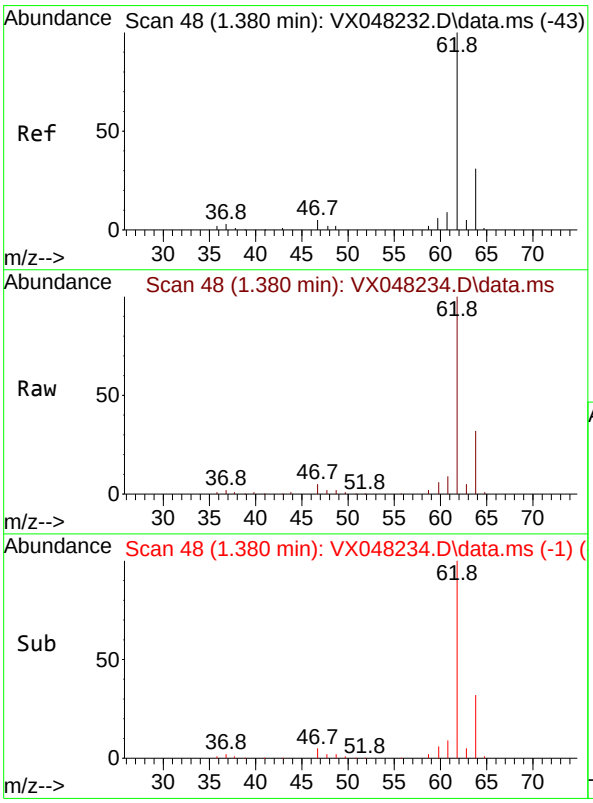
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.9 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

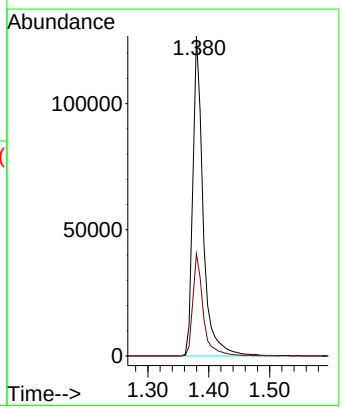
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

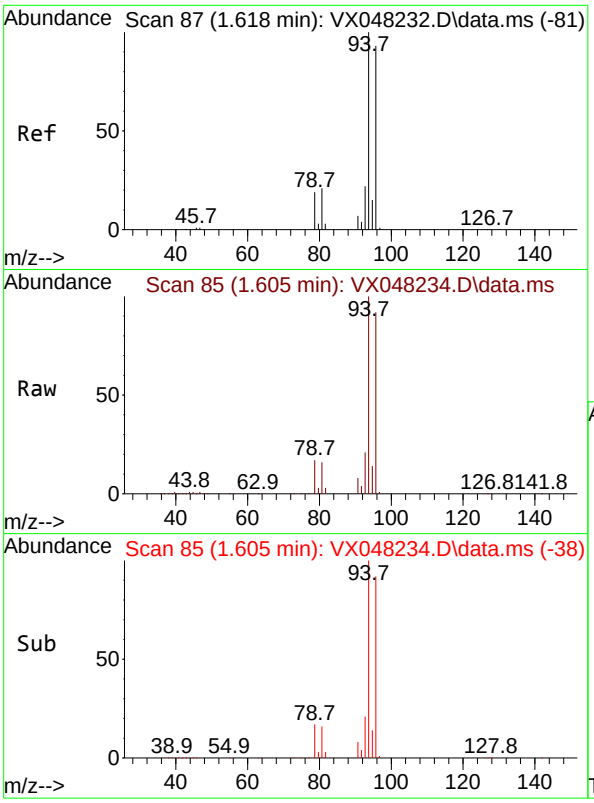



#4
Vinyl Chloride
Concen: 99.710 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 62 Resp: 149708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.0 | 25.1 | 37.7 |

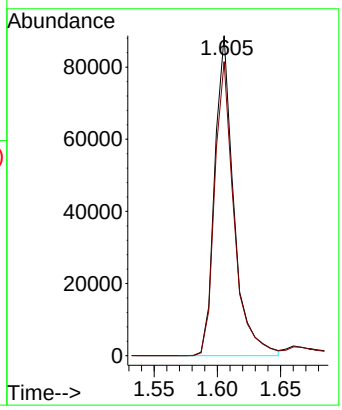





#5
Bromomethane
Concen: 93.091 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 94 Resp: 9294

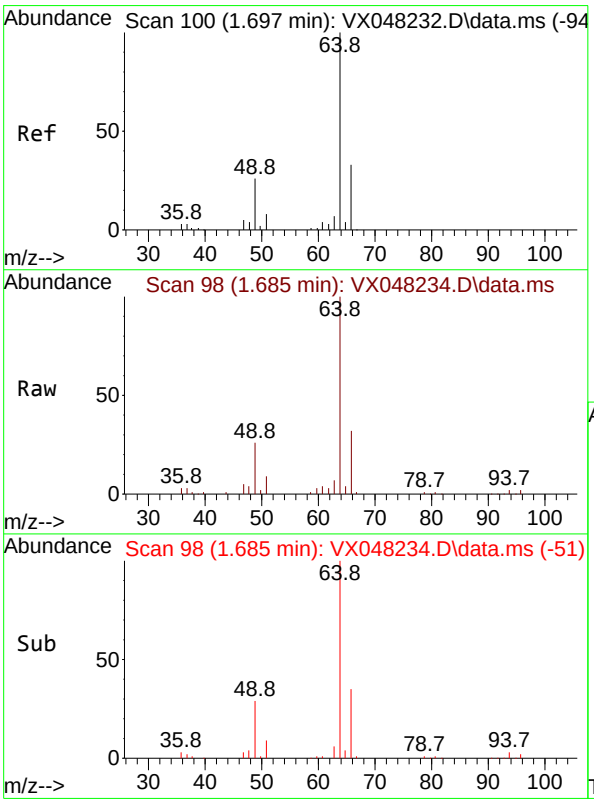
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.9 | 76.0 | 114.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

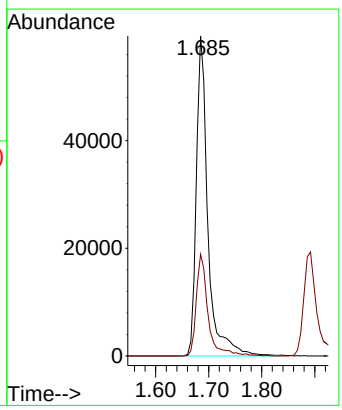
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

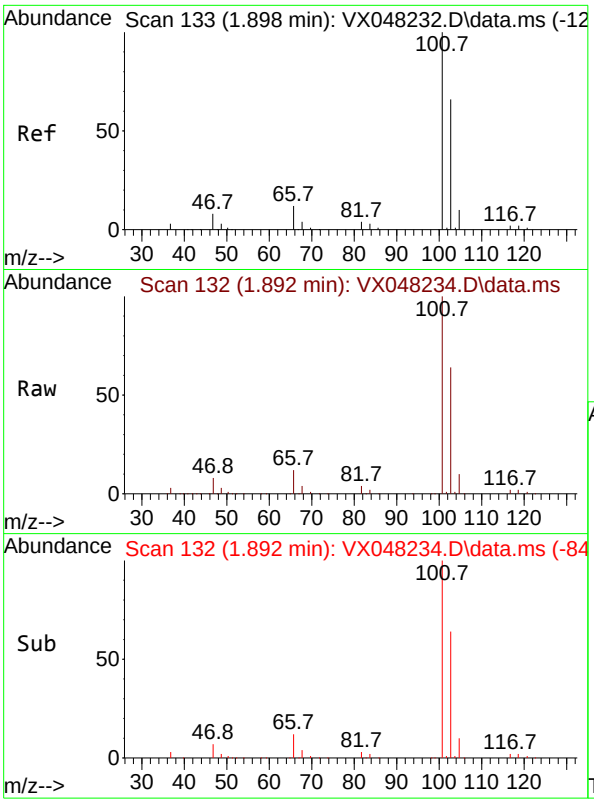



#6
Chloroethane
Concen: 93.997 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.012 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 64 Resp: 89813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 23.9 | 35.9 |

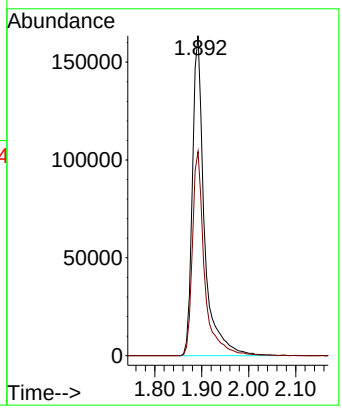





#7
Trichlorofluoromethane
Concen: 123.905 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:101 Resp: 29200

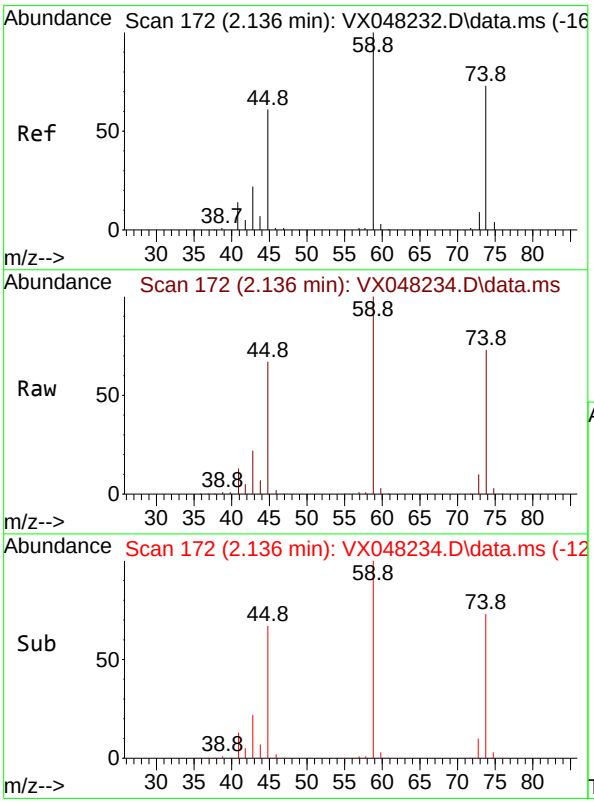
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 51.6 | 77.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

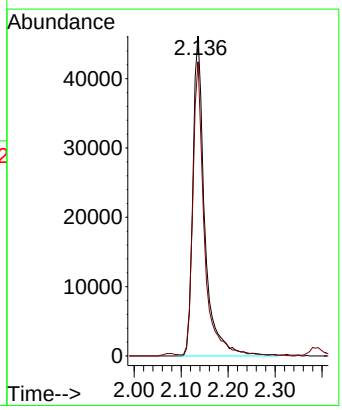
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

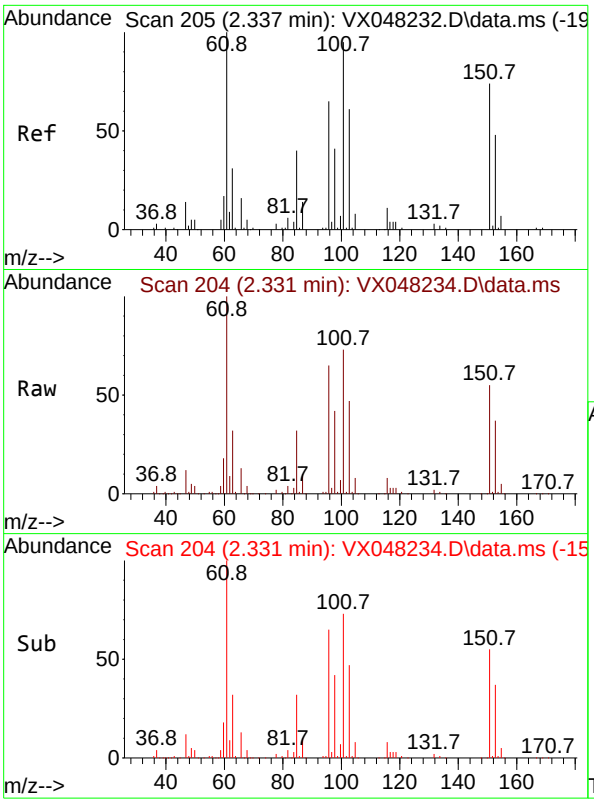



#8
Diethyl Ether
Concen: 101.352 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 74 Resp: 81474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 87.5 | 50.0 | 149.8 |

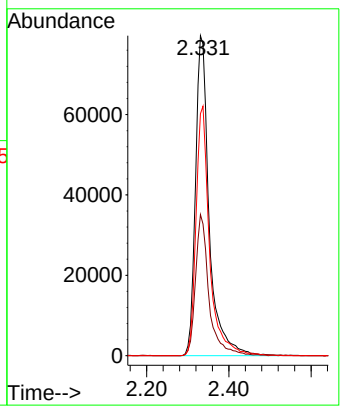





#9
1,1,2-Trichlorotrifluoroethane
Concen: 138.880 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:101 Resp: 18443

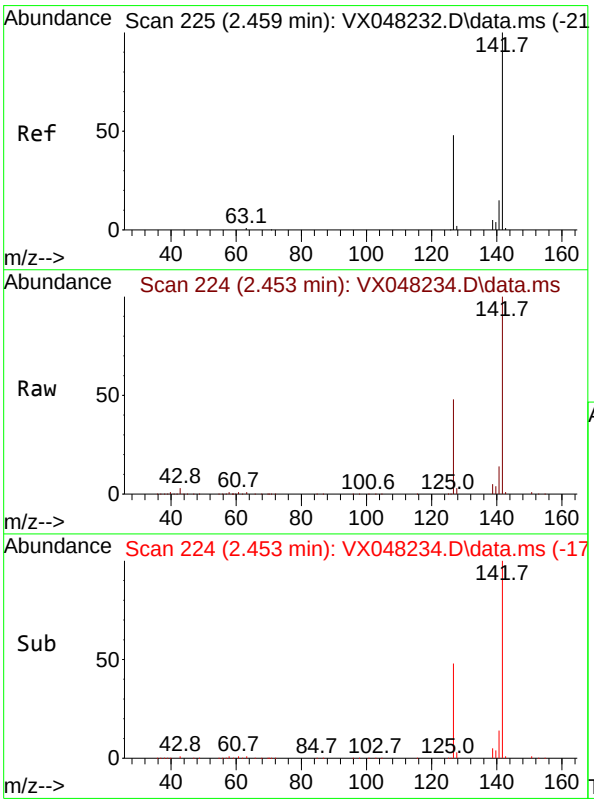
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.3 | 35.6 | 53.4 |
| 151 | 77.4 | 58.0 | 87.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

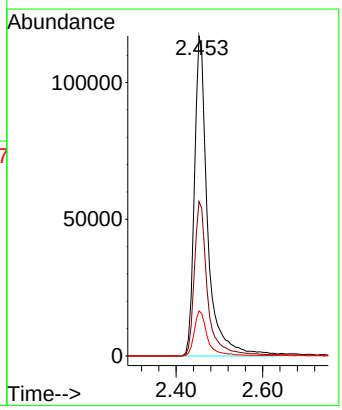
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

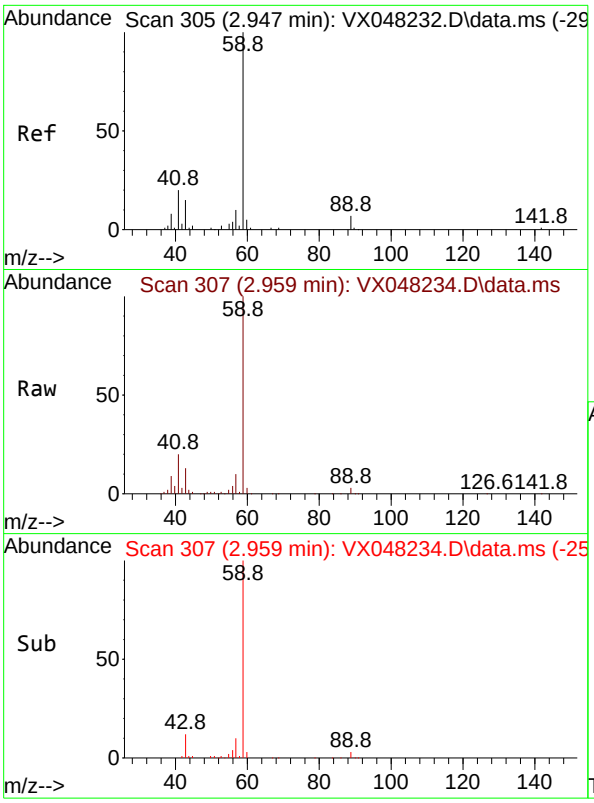



#10
Methyl Iodide
Concen: 156.785 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:142 Resp: 249395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.2 | 38.5 | 57.7 |
| 141 | 14.0 | 11.6 | 17.4 |

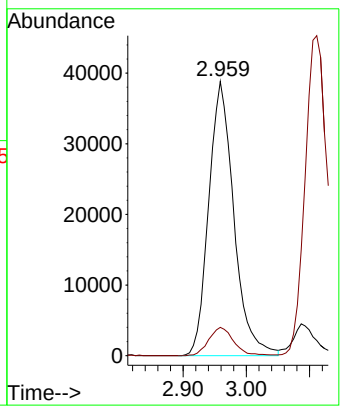





#11
Tert butyl alcohol
Concen: 931.439 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 59 Resp: 10729

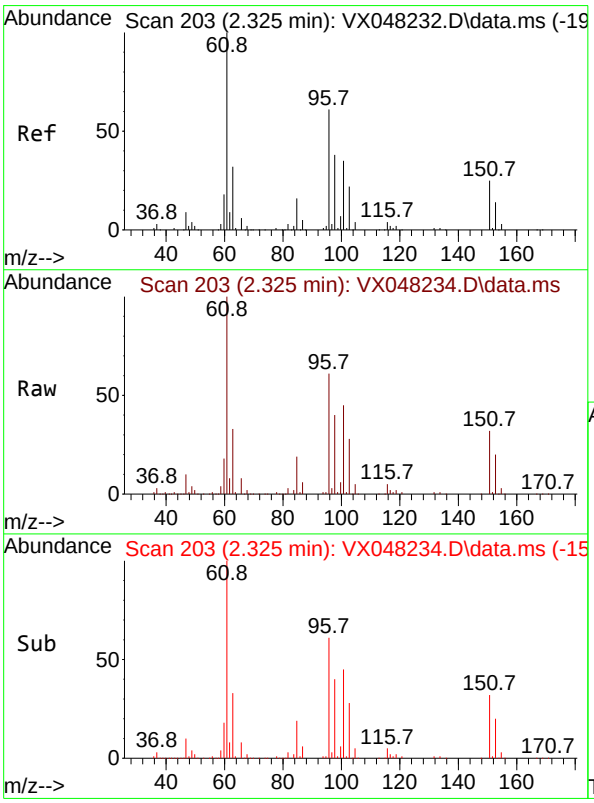
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 8.2 | 12.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

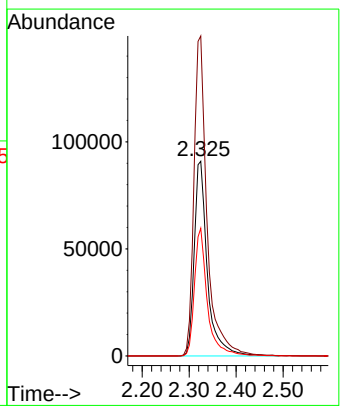
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

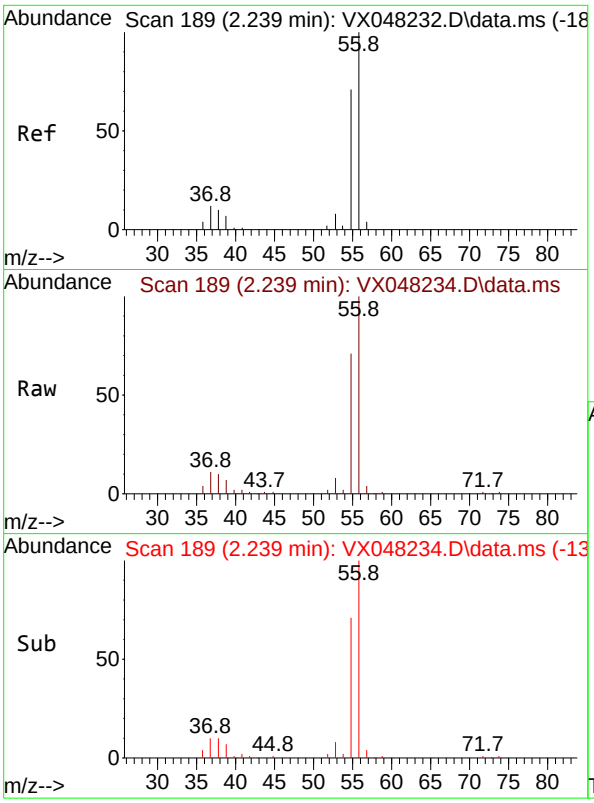



#12
1,1-Dichloroethene
Concen: 137.389 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 96 Resp: 178408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 164.3 | 139.0 | 208.6 |
| 98 | 65.6 | 52.4 | 78.6 |

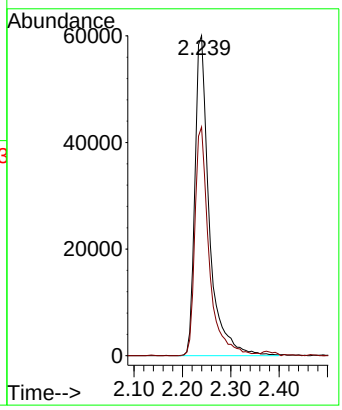





#13
Acrolein
Concen: 509.584 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 56 Resp: 12336

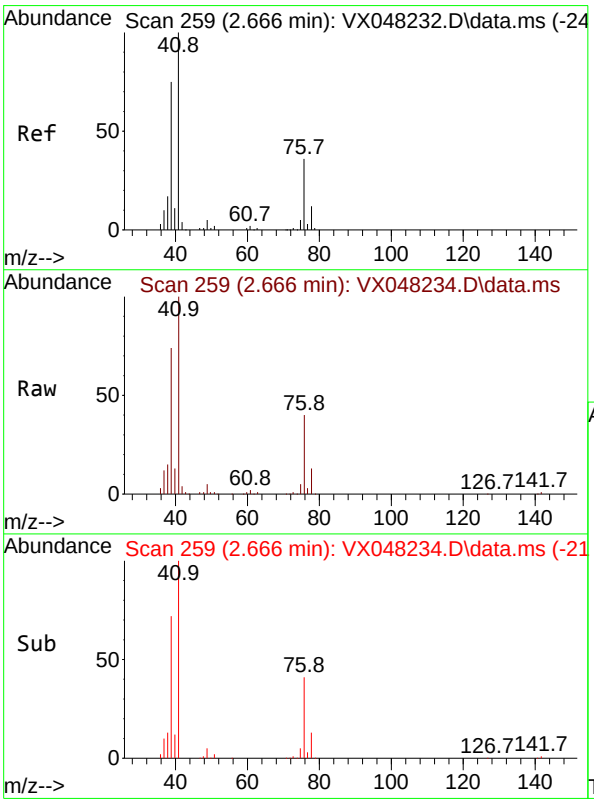
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.7 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

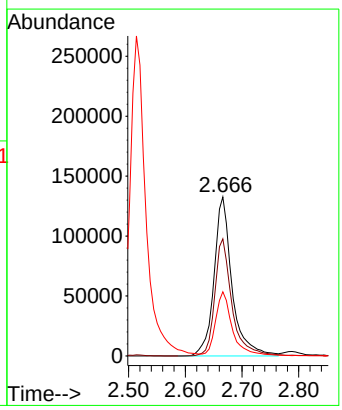
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

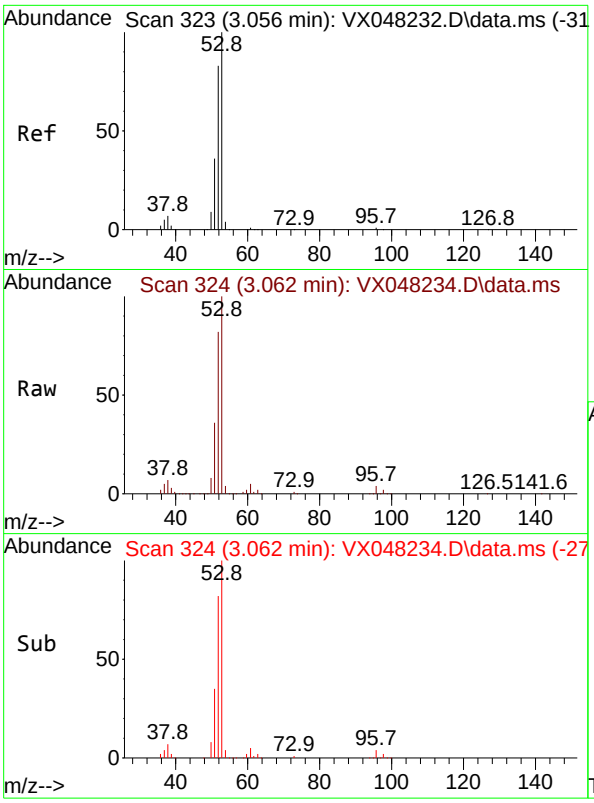



#14
Allyl chloride
Concen: 125.734 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 41 Resp: 293697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 70.5 | 56.0 | 84.0 |
| 76 | 37.7 | 27.5 | 41.3 |

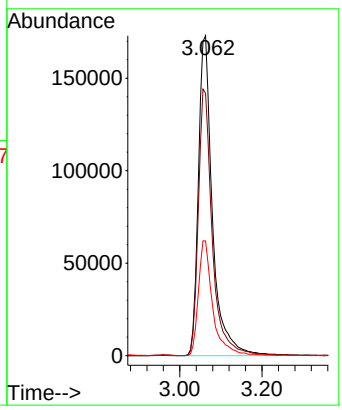





#15
Acrylonitrile
Concen: 748.019 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 53 Resp: 41289

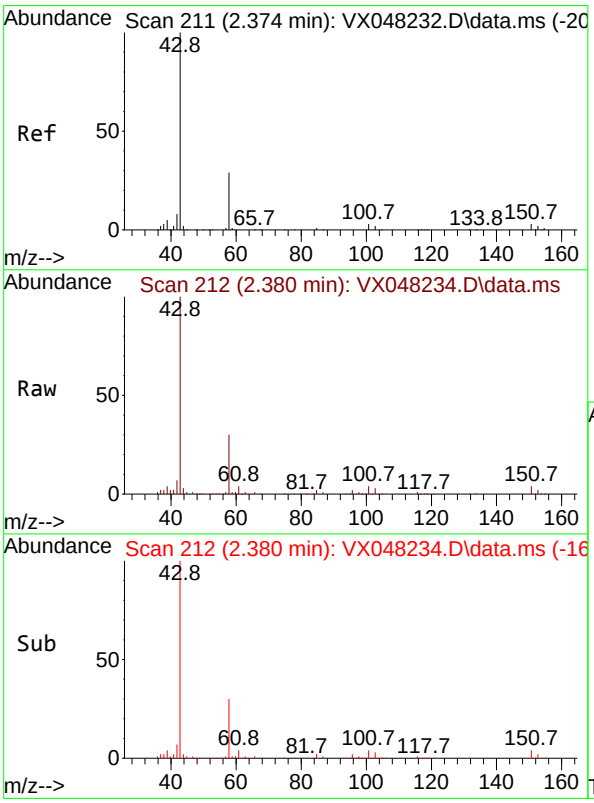
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.7 | 66.1 | 99.1 |
| 51 | 36.5 | 29.0 | 43.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

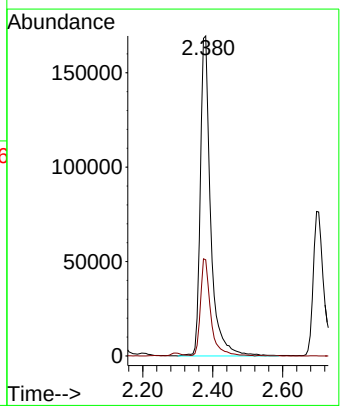
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

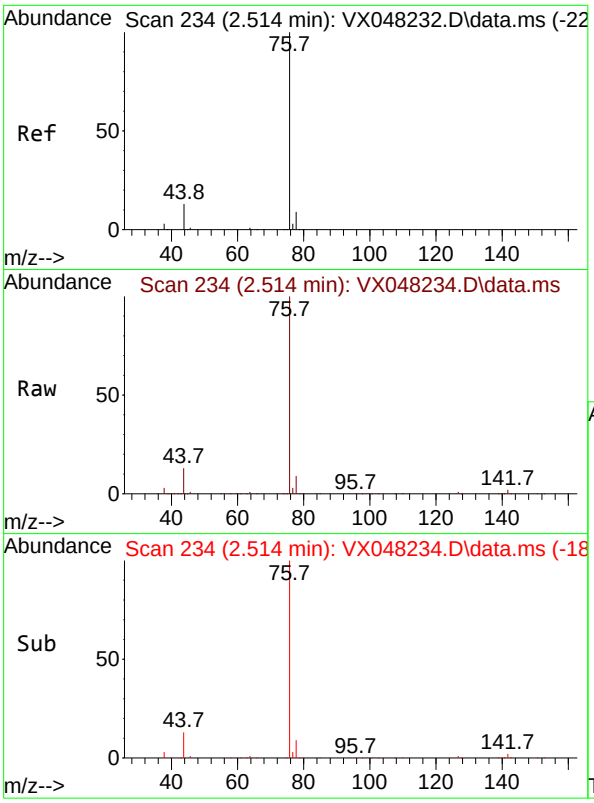



#16
Acetone
Concen: 585.970 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 347029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.0 | 23.4 | 35.2 |

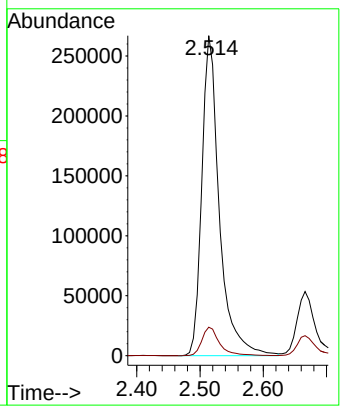





#17
Carbon Disulfide
Concen: 128.936 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 76 Resp: 51514

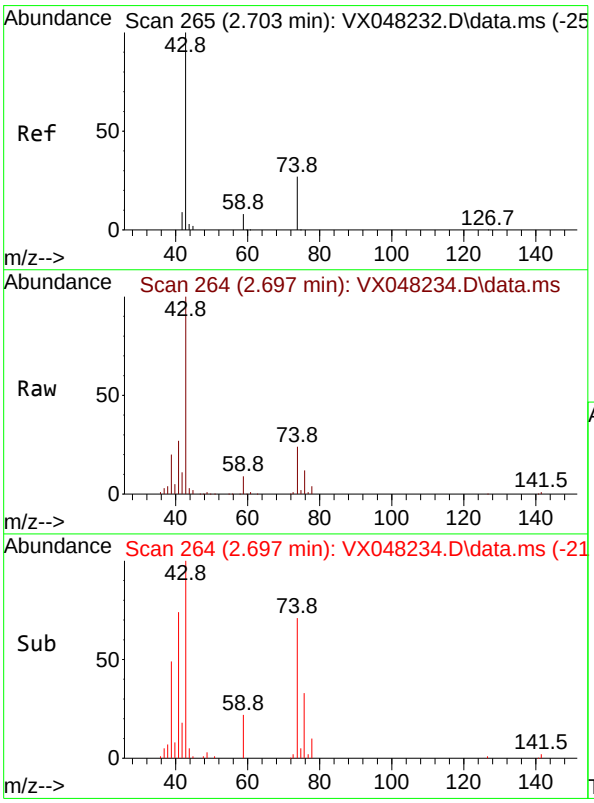
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.1 | 10.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

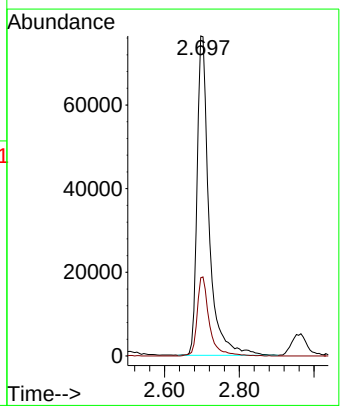
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

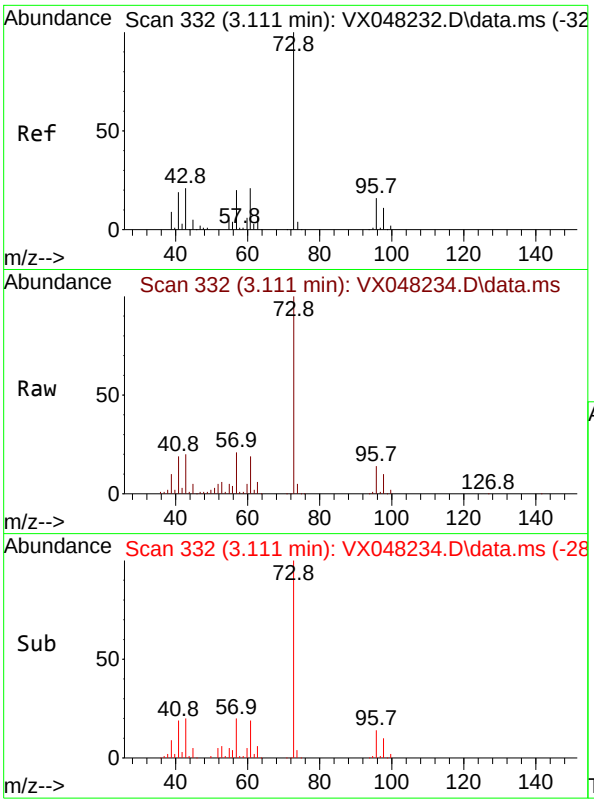



#18
Methyl Acetate
Concen: 140.438 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 169402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.2 | 17.5 | 26.3 |

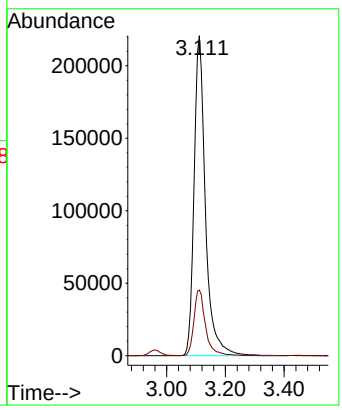





#19
Methyl tert-butyl Ether
Concen: 151.611 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 73 Resp: 59303

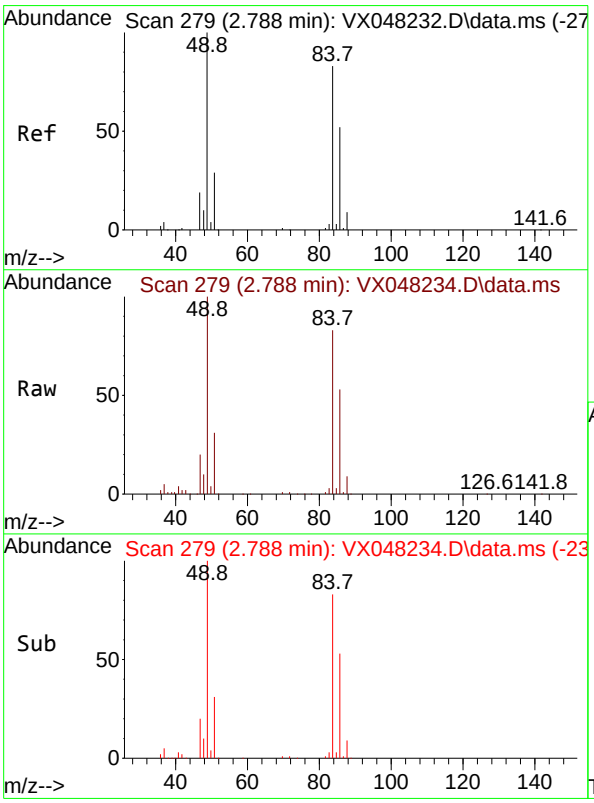
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.5 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

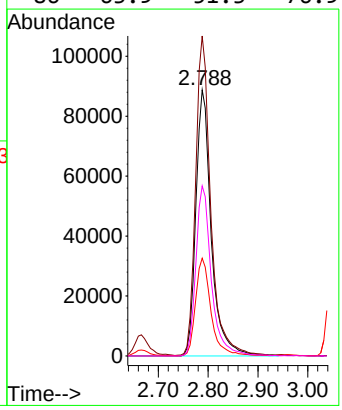
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

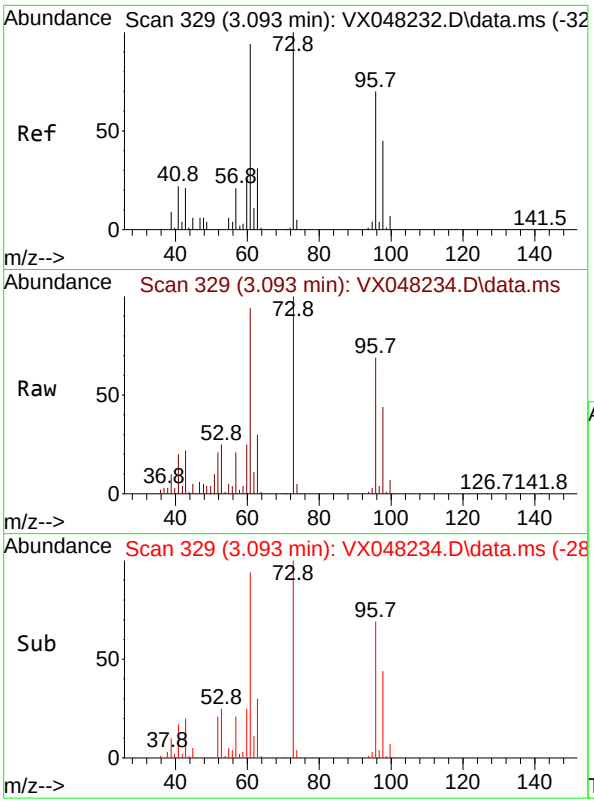



#20
Methylene Chloride
Concen: 132.030 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 84 Resp: 190483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.0 | 104.1 | 156.1 |
| 51 | 36.7 | 31.3 | 46.9 |
| 86 | 63.9 | 51.3 | 76.9 |

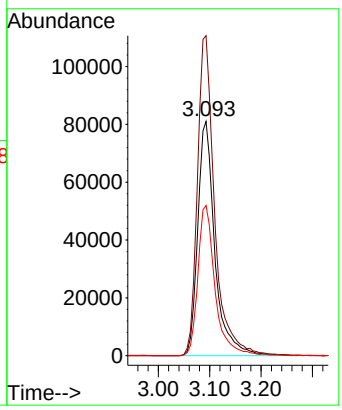





#21
trans-1,2-Dichloroethene
Concen: 139.566 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 96 Resp: 18749

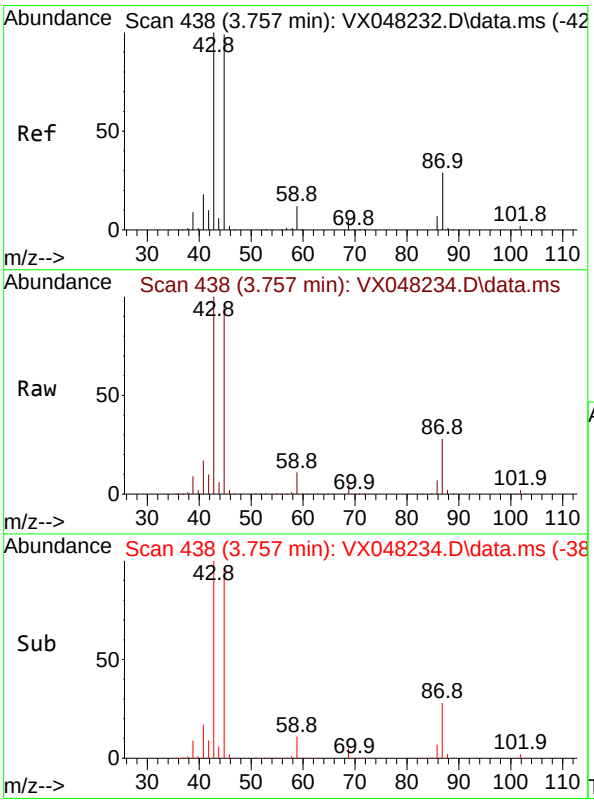
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.6 | 111.9 | 167.9 |
| 98 | 64.1 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

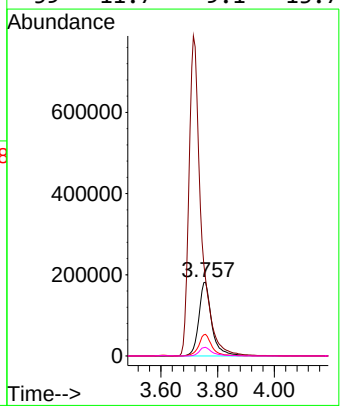
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

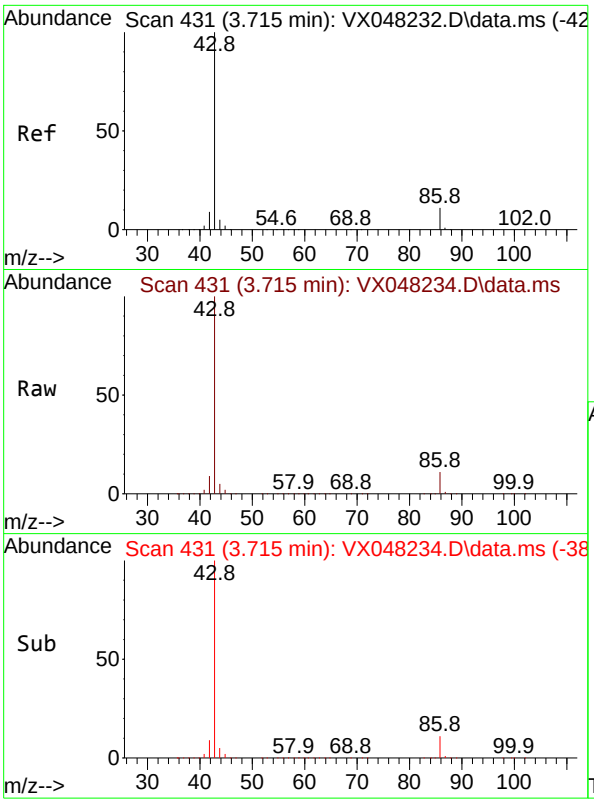



#22
Diisopropyl ether
Concen: 125.048 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 45 Resp: 571951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 104.2 | 89.8 | 134.8 |
| 87 | 29.4 | 20.6 | 31.0 |
| 59 | 11.7 | 9.1 | 13.7 |

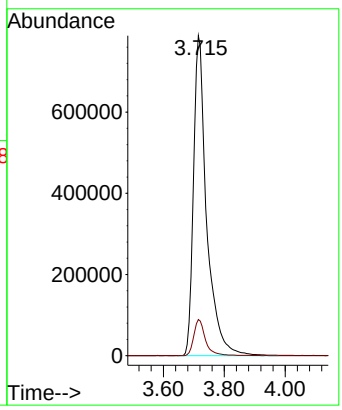





#23
Vinyl Acetate
Concen: 692.251 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 236751

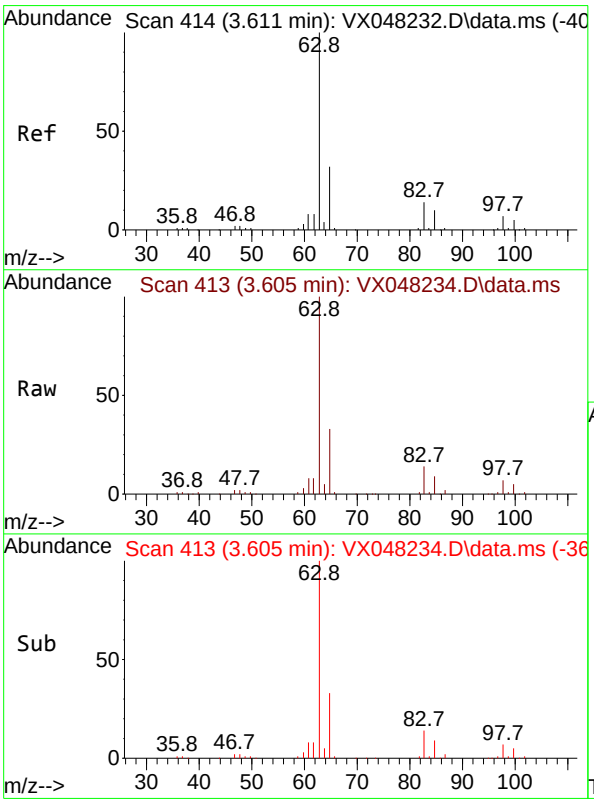
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.3 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

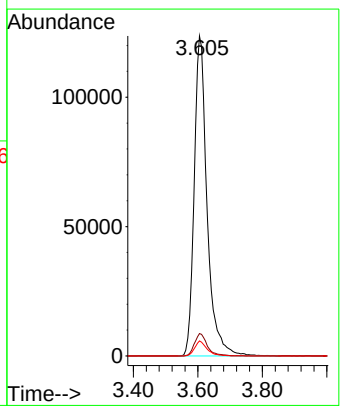
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

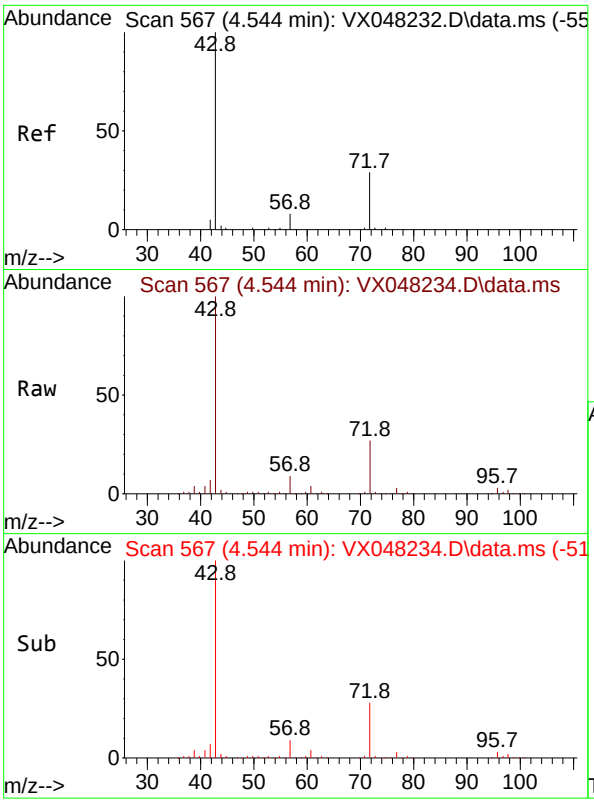



#24
1,1-Dichloroethane
Concen: 131.992 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 63 Resp: 342500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.5 | 10.6 |
| 100 | 4.7 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 706.046 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

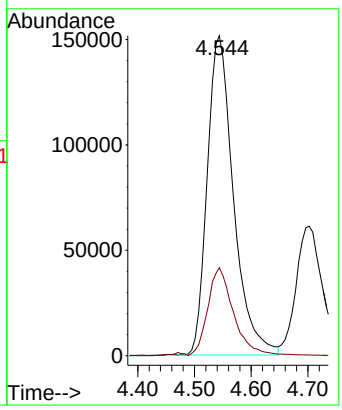
Tgt Ion: 43 Resp: 48715

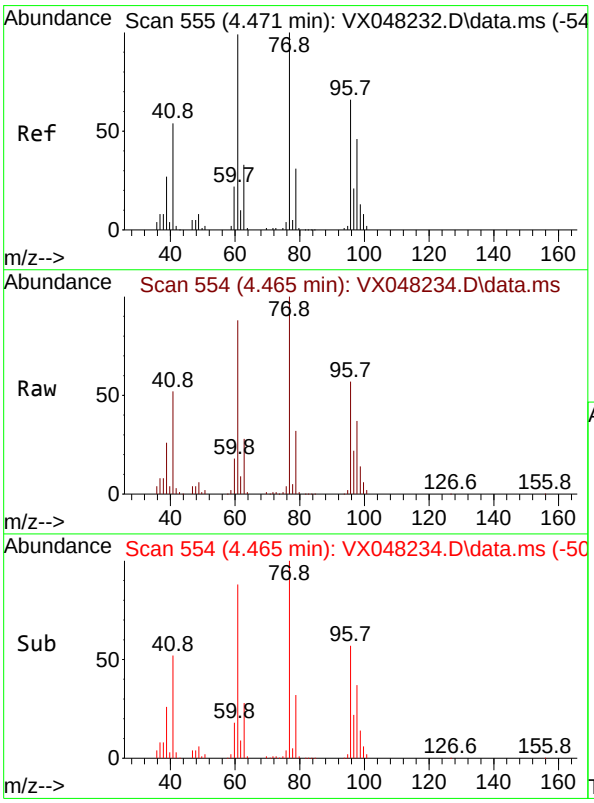
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.0 | 19.9 | 29.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

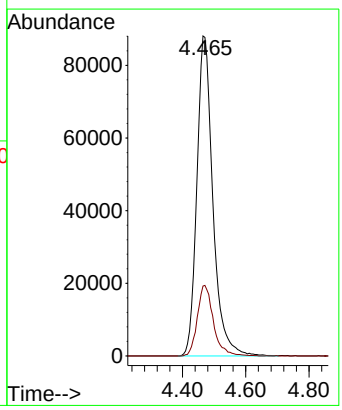


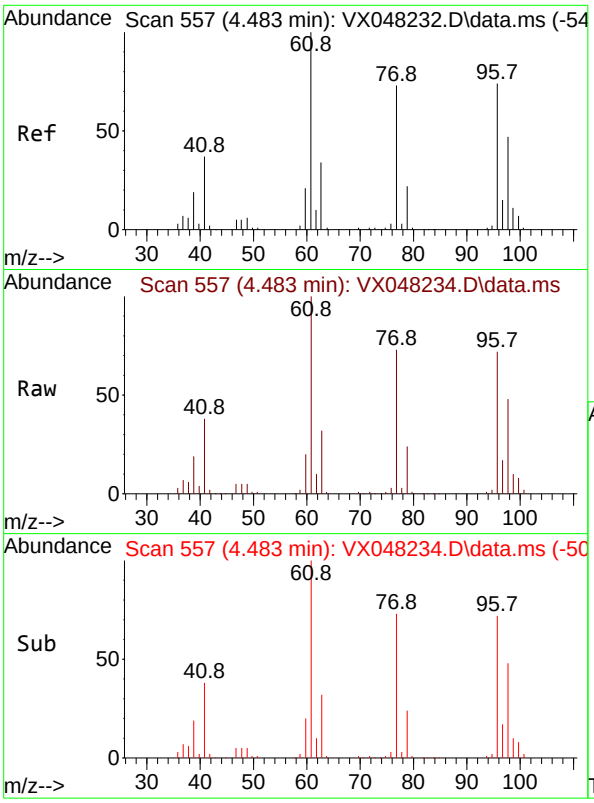




#26
2,2-Dichloropropane
Concen: 140.027 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 77 Resp: 310572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 11.1 | 33.3 |

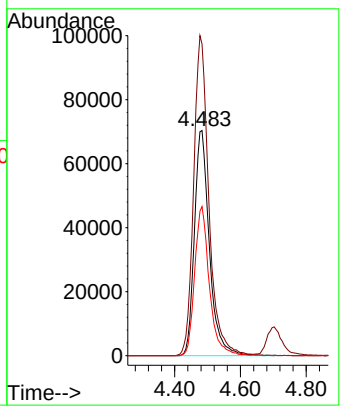





#27
cis-1,2-Dichloroethene
Concen: 139.465 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 96 Resp: 22235

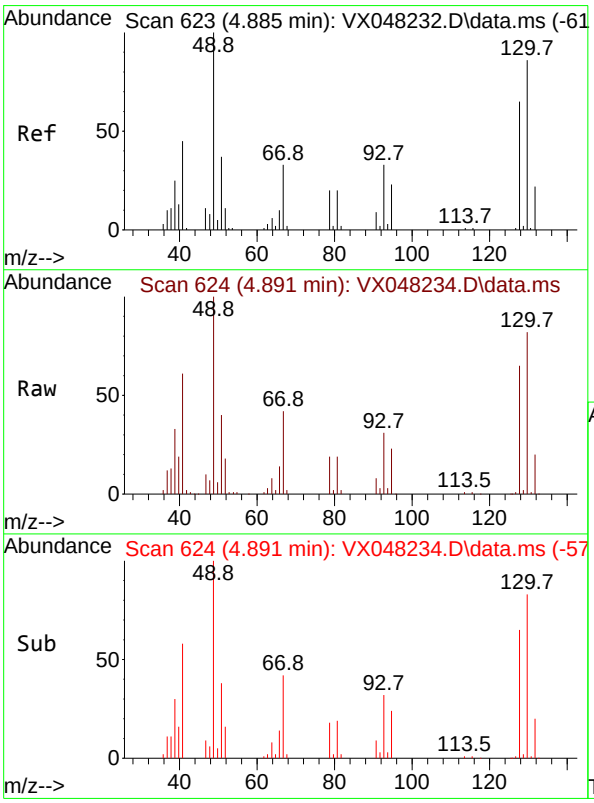
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.4 | 0.0 | 294.2 |
| 98 | 65.1 | 0.0 | 128.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

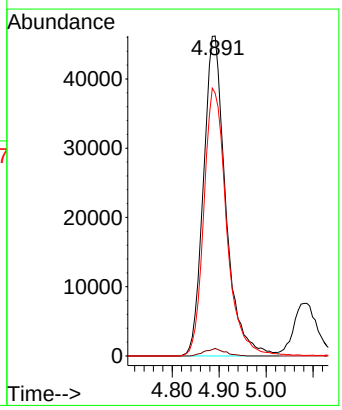
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

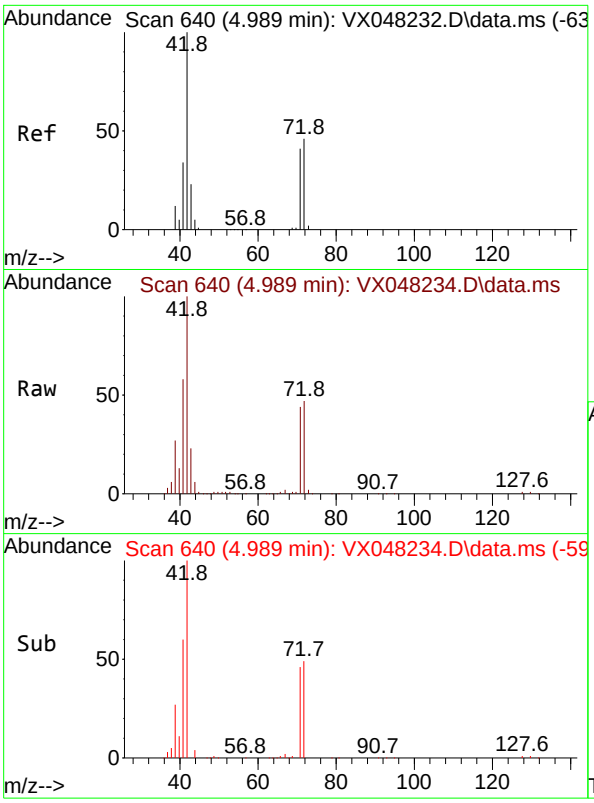



#28
Bromochloromethane
Concen: 126.922 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 49 Resp: 151812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.4 |
| 130 | 85.6 | 59.3 | 88.9 |






#29
Tetrahydrofuran
Concen: 744.697 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

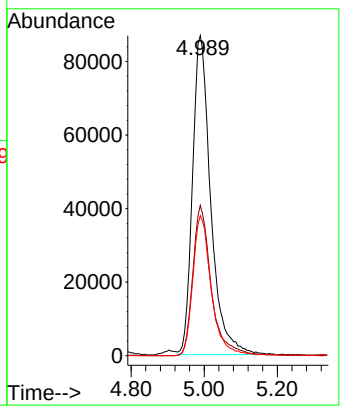
Tgt Ion: 42 Resp: 30174

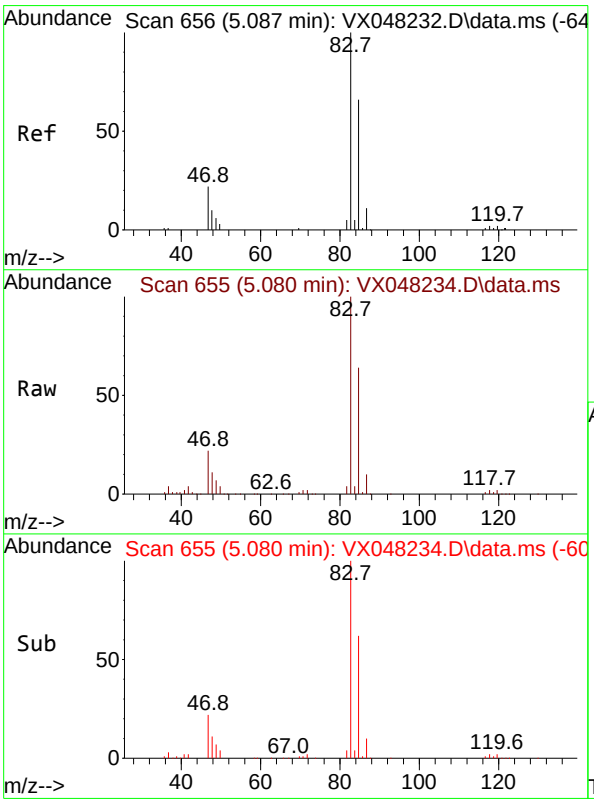
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 47.8 | 35.3 | 52.9 |
| 71 | 44.1 | 32.2 | 48.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

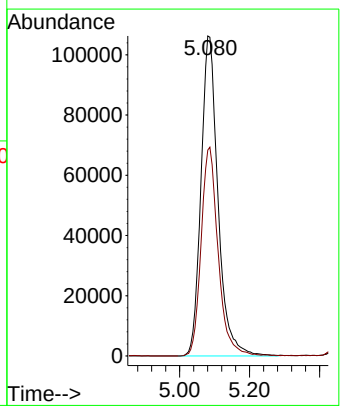


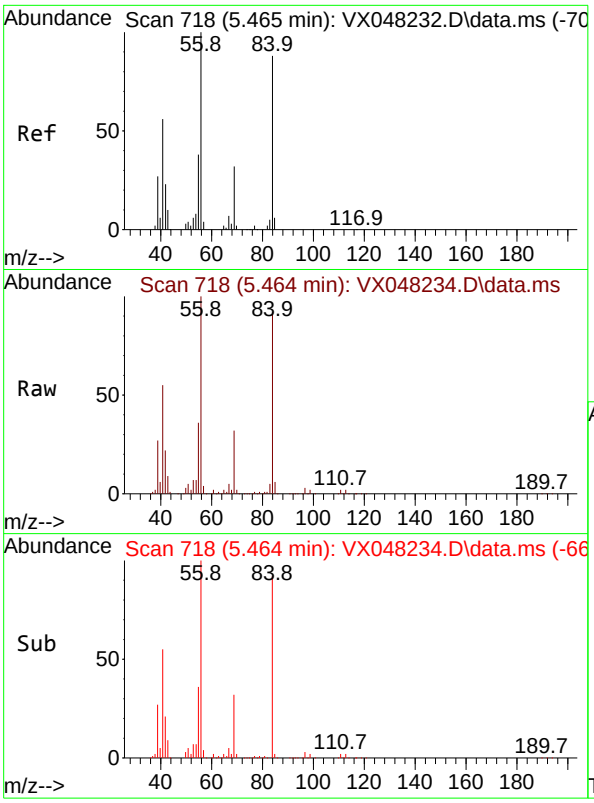




#30
Chloroform
Concen: 131.272 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 83 Resp: 358626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 50.1 | 75.1 |

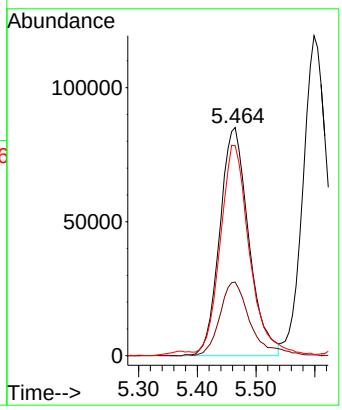





#31
Cyclohexane
Concen: 137.199 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 56 Resp: 29130

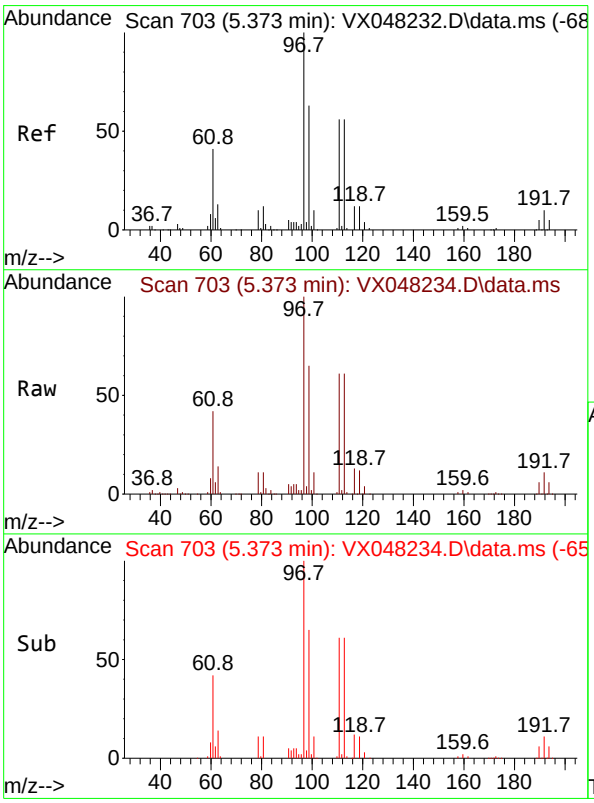
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.3 | 23.0 | 34.6 |
| 84 | 90.1 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

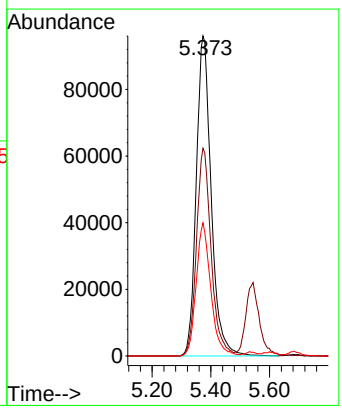
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

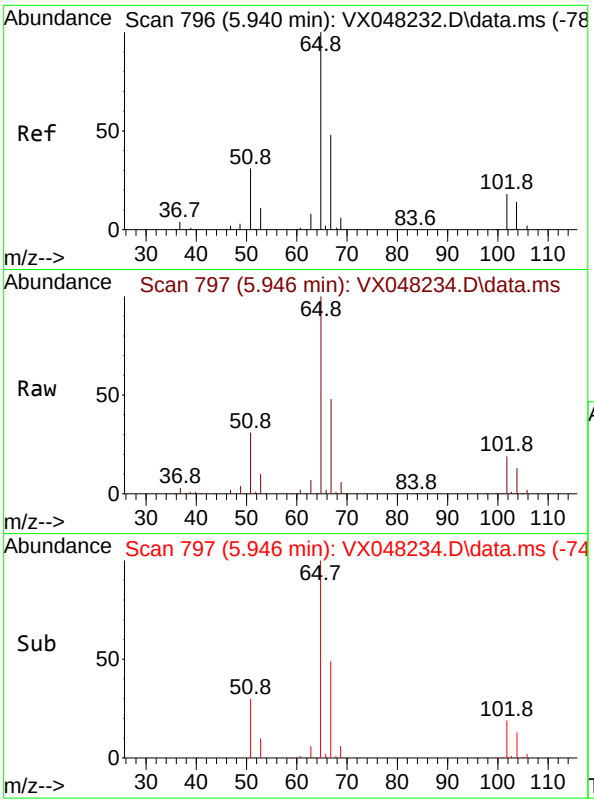



#32
1,1,1-Trichloroethane
Concen: 150.785 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 97 Resp: 338462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 51.7 | 77.5 |
| 61 | 40.8 | 34.8 | 52.2 |

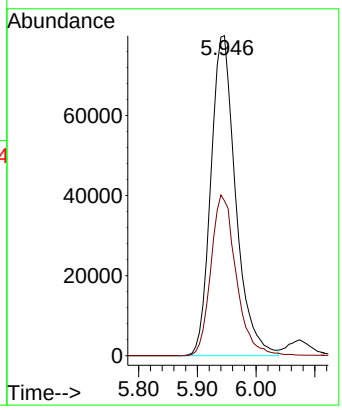





#33
1,2-Dichloroethane-d4
Concen: 135.251 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 65 Resp: 23480

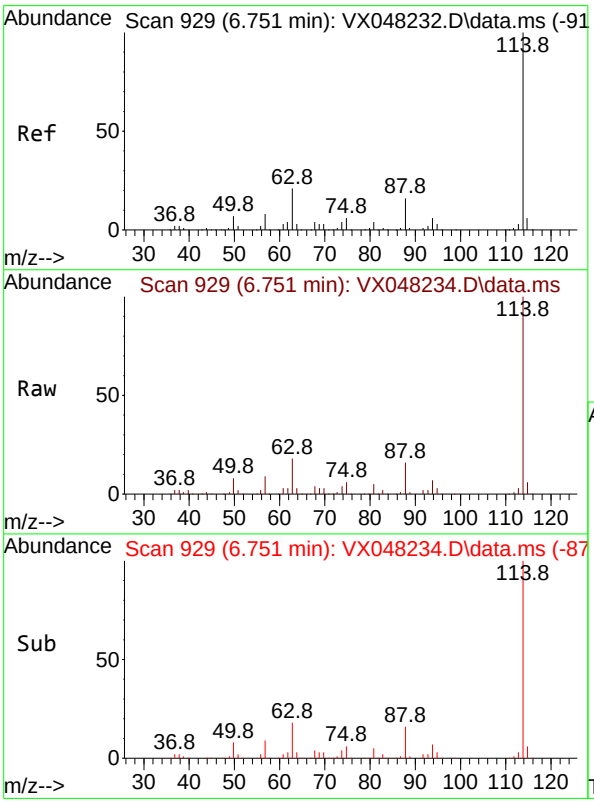
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.2 | 0.0 | 105.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

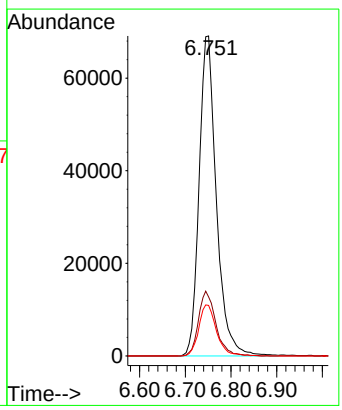
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

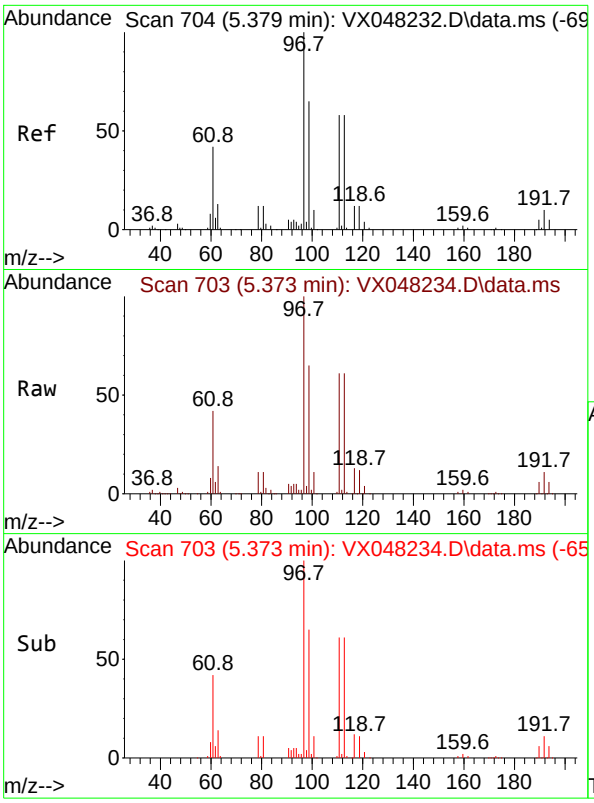



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:114 Resp: 180904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.4 | 0.0 | 43.2 |
| 88 | 15.8 | 0.0 | 33.6 |

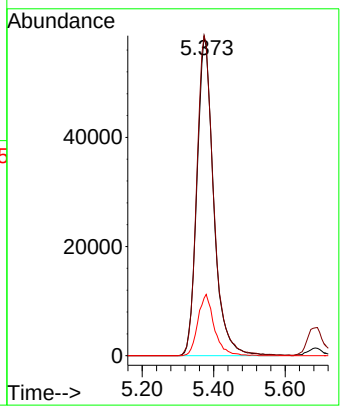





#35
Dibromofluoromethane
Concen: 150.393 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:113 Resp: 18882

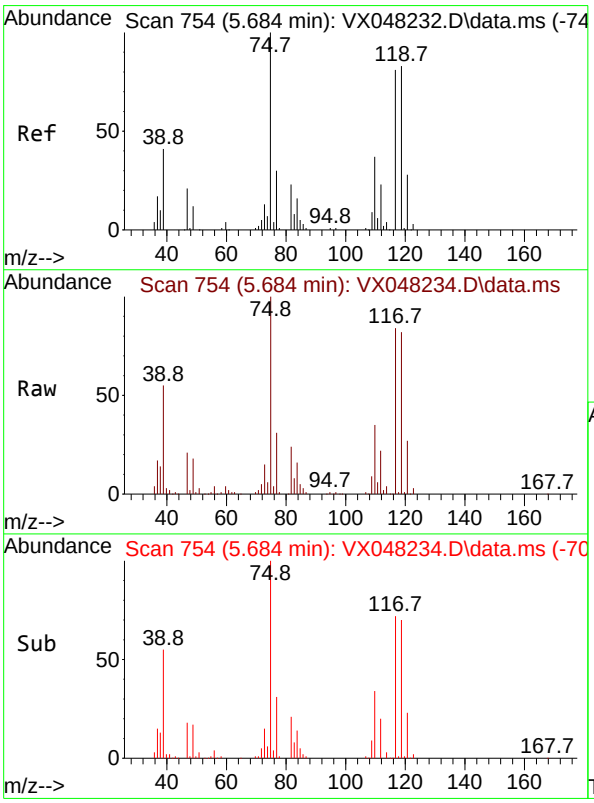
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.5 | 82.2 | 123.4 |
| 192 | 18.8 | 15.1 | 22.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

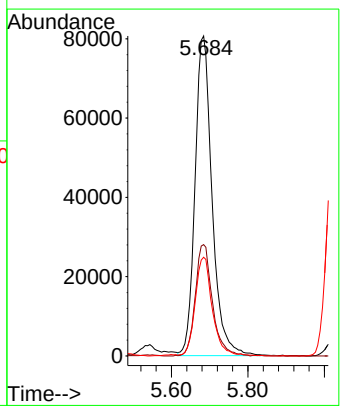
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

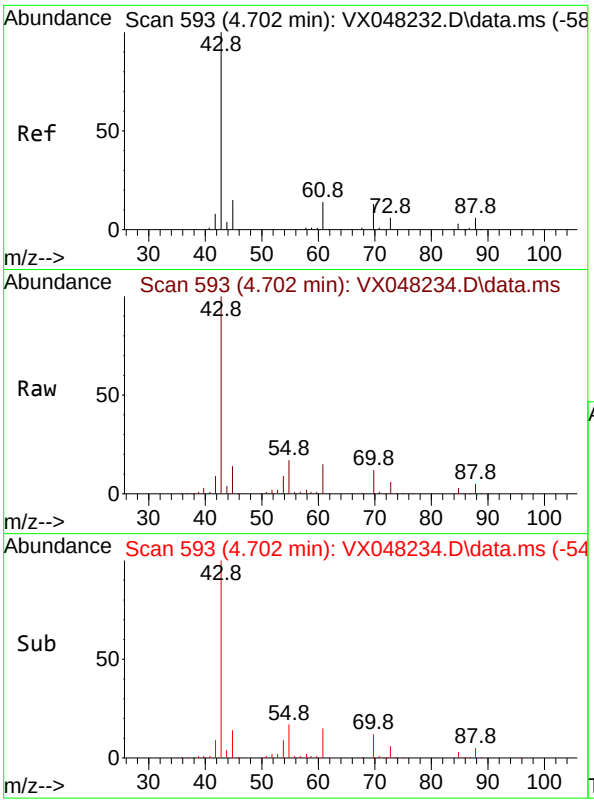



#36
1,1-Dichloropropene
Concen: 141.173 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 249688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.0 | 17.7 | 53.1 |
| 77 | 31.2 | 24.3 | 36.5 |

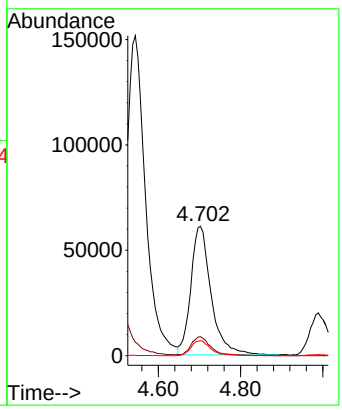





#37
Ethyl Acetate
Concen: 147.588 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 20861

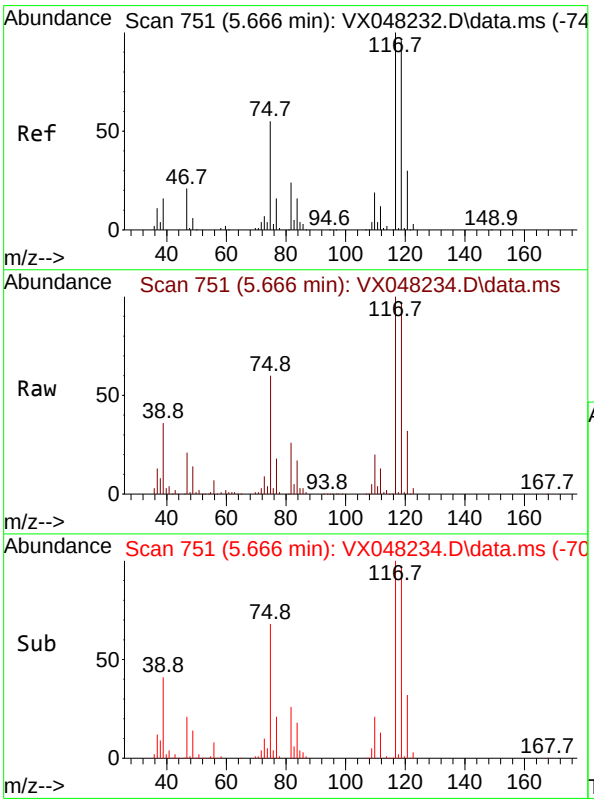
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.1 | 10.6 | 15.8 |
| 70 | 11.2 | 7.8 | 11.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

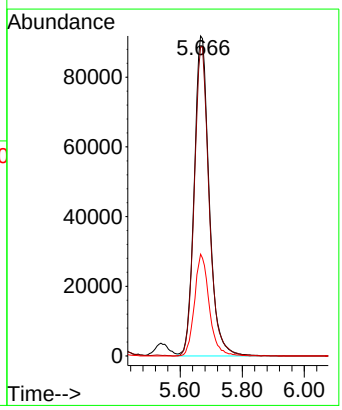
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

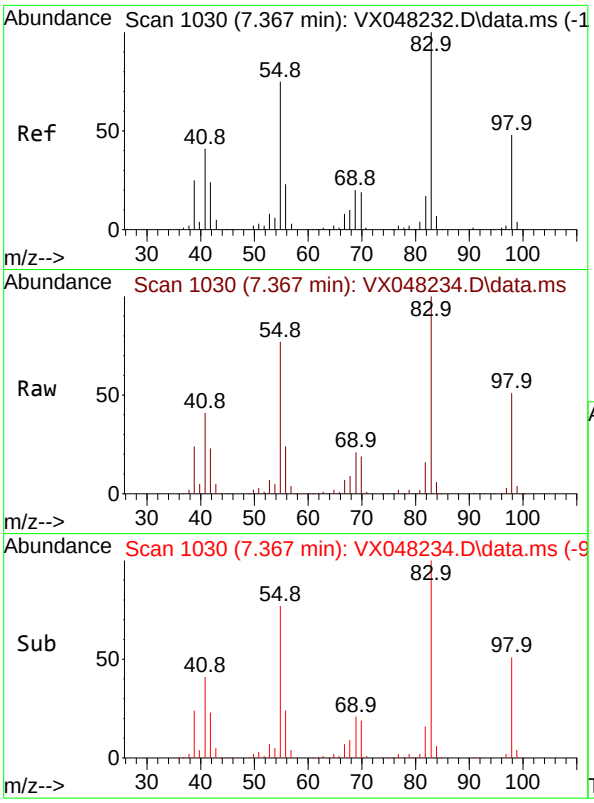



#38
Carbon Tetrachloride
Concen: 151.663 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:117 Resp: 307892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 77.2 | 115.8 |
| 121 | 31.8 | 24.8 | 37.2 |

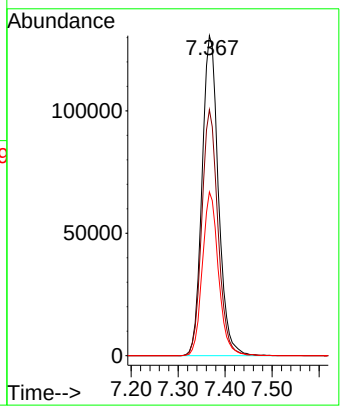





#39
Methylcyclohexane
Concen: 158.416 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 83 Resp: 31591

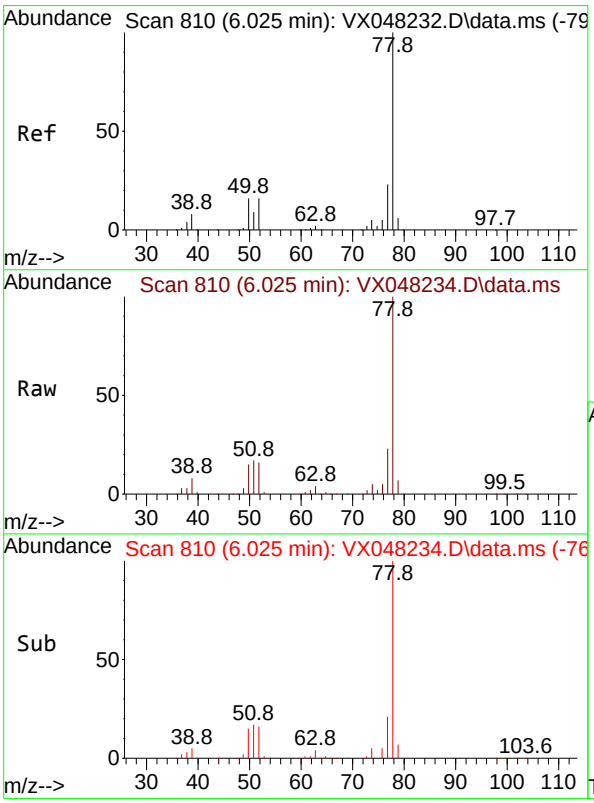
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.9 | 66.2 | 99.2 |
| 98 | 51.1 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

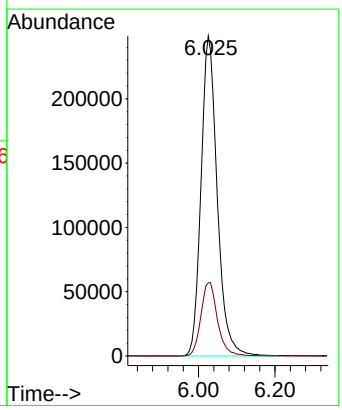
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

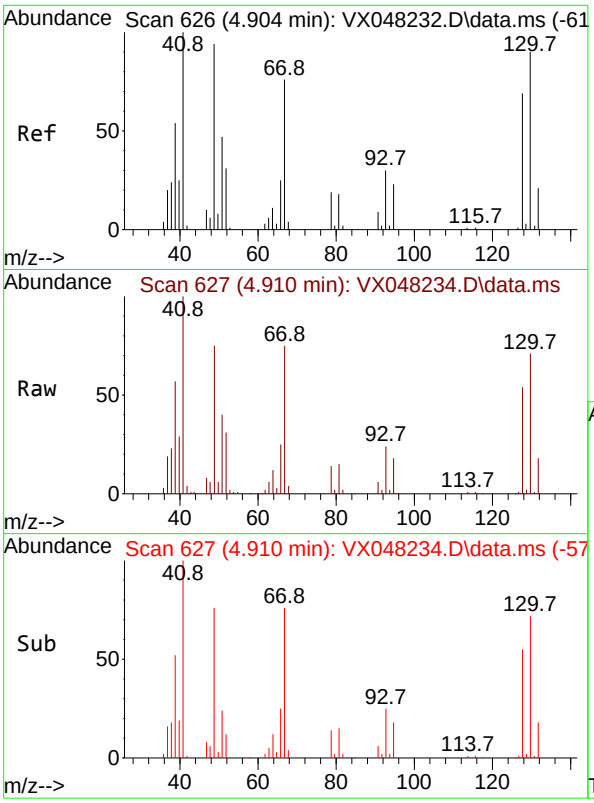



#40
Benzene
Concen: 139.172 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 78 Resp: 730908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.8 | 19.3 | 28.9 |

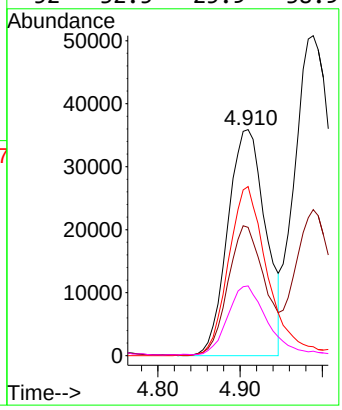





#41
Methacrylonitrile
Concen: 152.378 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 41 Resp: 11535

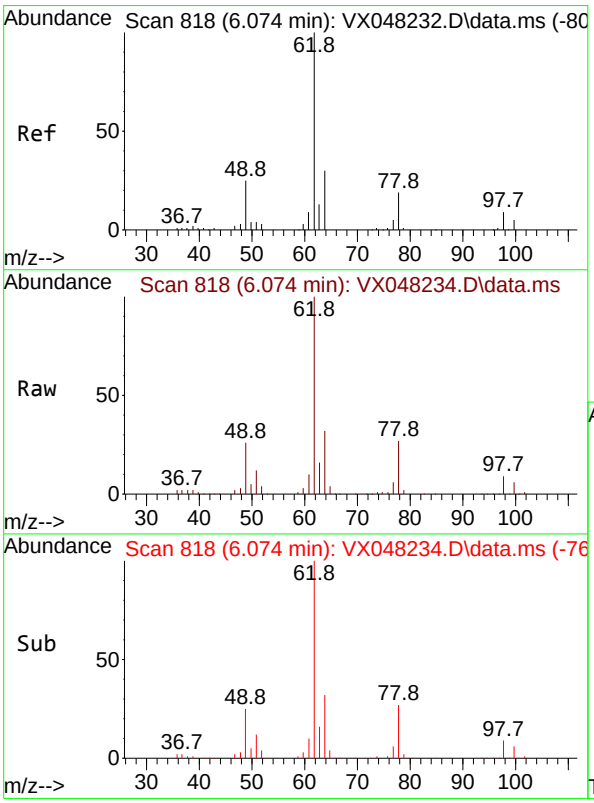
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.0 | 44.0 | 66.0 |
| 67 | 78.1 | 58.7 | 88.1 |
| 52 | 32.5 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

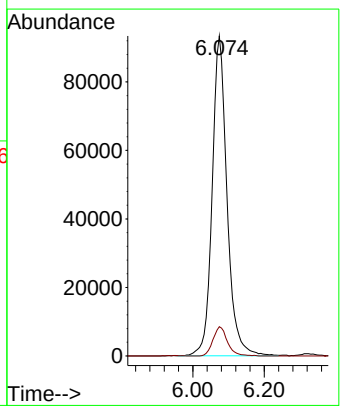
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

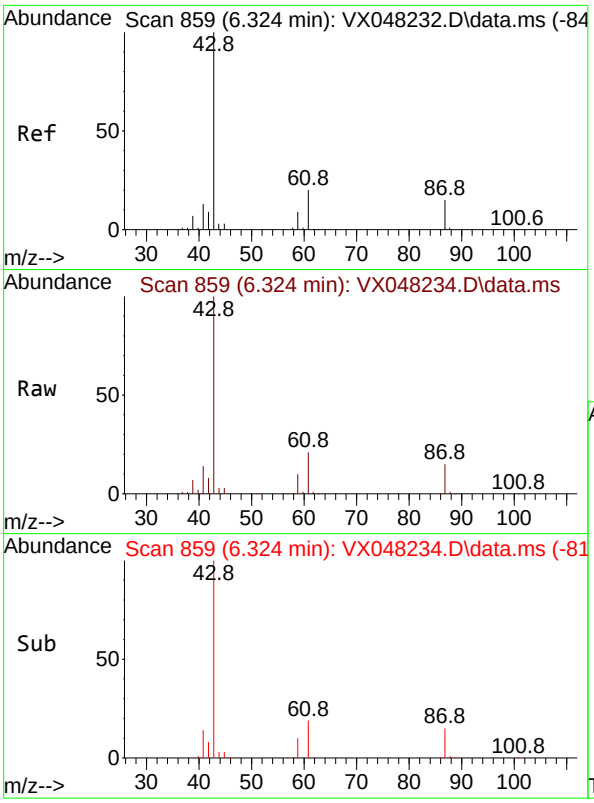



#42
1,2-Dichloroethane
Concen: 143.093 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 62 Resp: 269245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 17.2 |

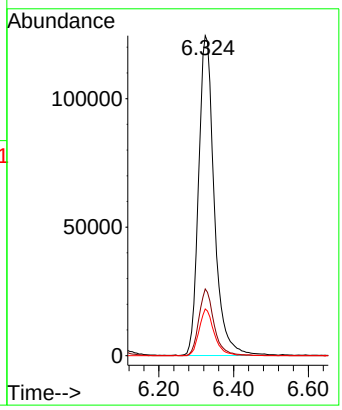





#43
Isopropyl Acetate
Concen: 152.180 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 36108

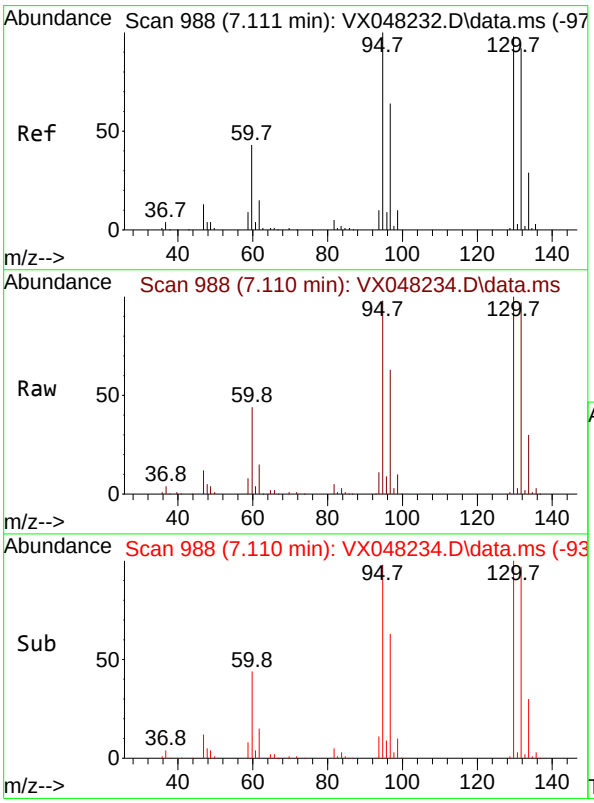
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.2 | 14.9 | 22.3 |
| 87 | 14.0 | 9.4 | 14.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

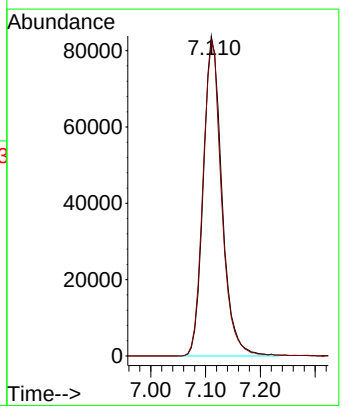
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

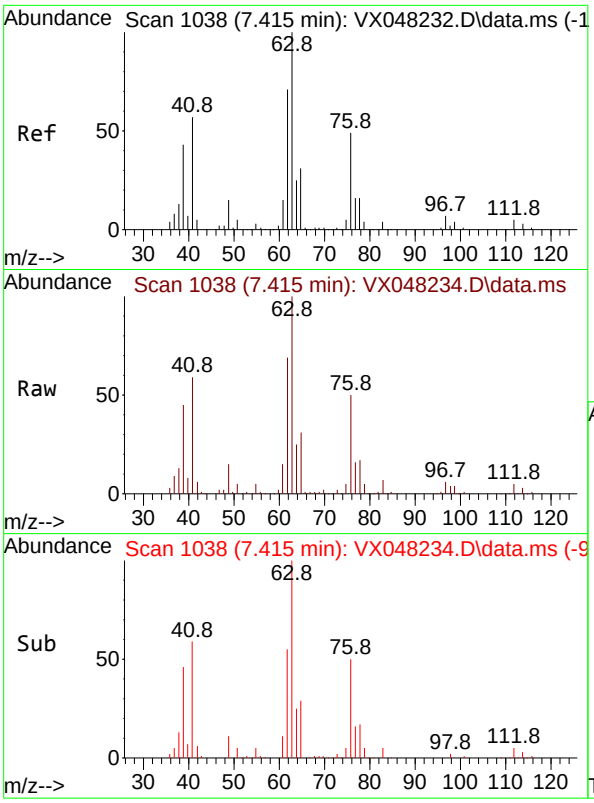



#44
Trichloroethene
Concen: 149.022 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:130 Resp: 197244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.5 | 0.0 | 200.6 |

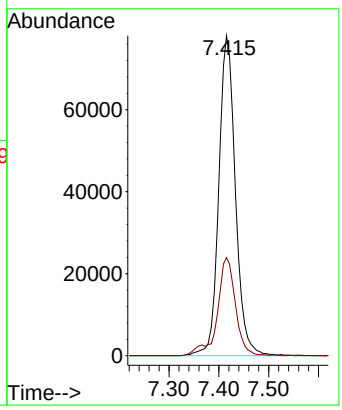





#45
1,2-Dichloropropane
Concen: 135.890 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 63 Resp: 18061

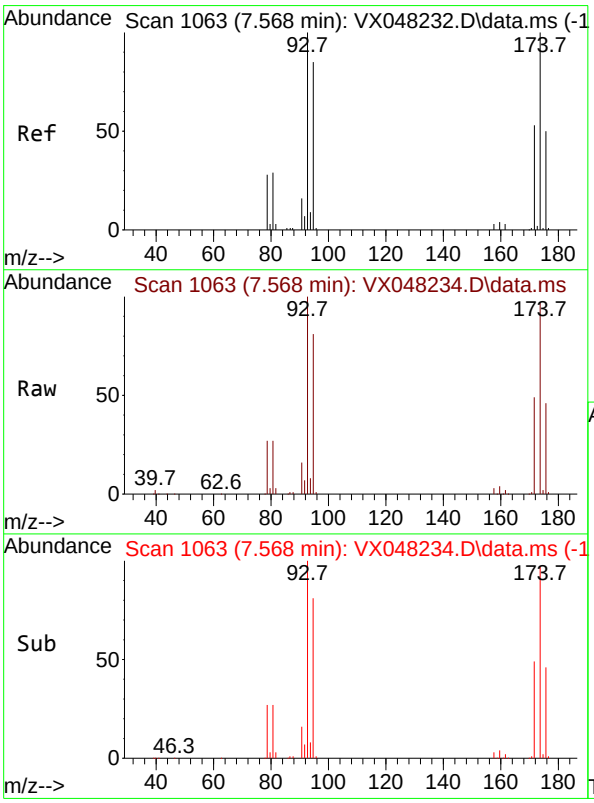
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

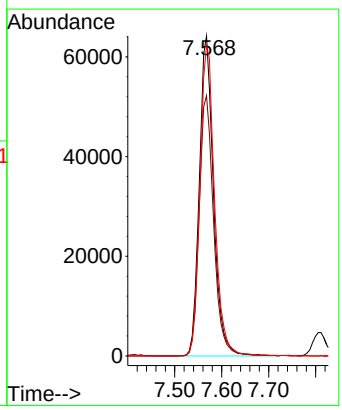
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

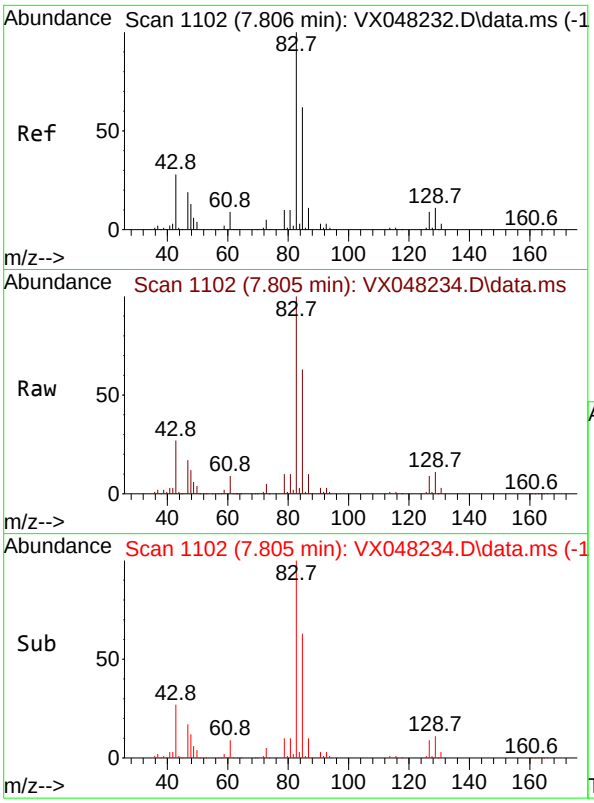



#46
Dibromomethane
Concen: 141.273 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 93 Resp: 135105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.9 | 65.9 | 98.9 |
| 174 | 99.5 | 71.7 | 107.5 |

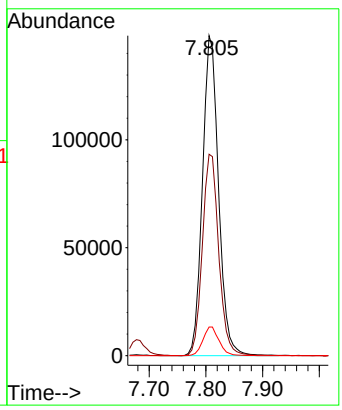





#47
Bromodichloromethane
Concen: 141.302 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 83 Resp: 29206

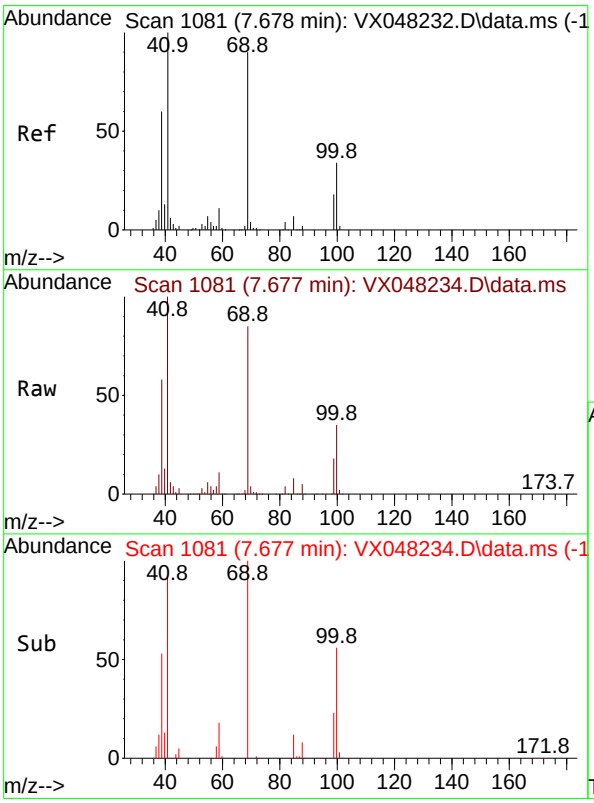
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.9 | 52.2 | 78.4 |
| 127 | 8.9 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

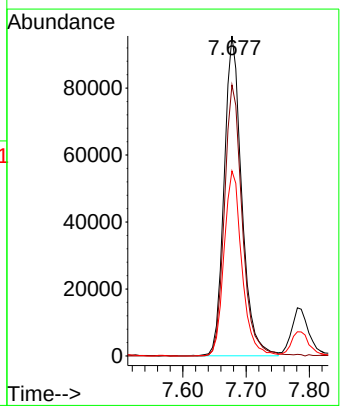
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

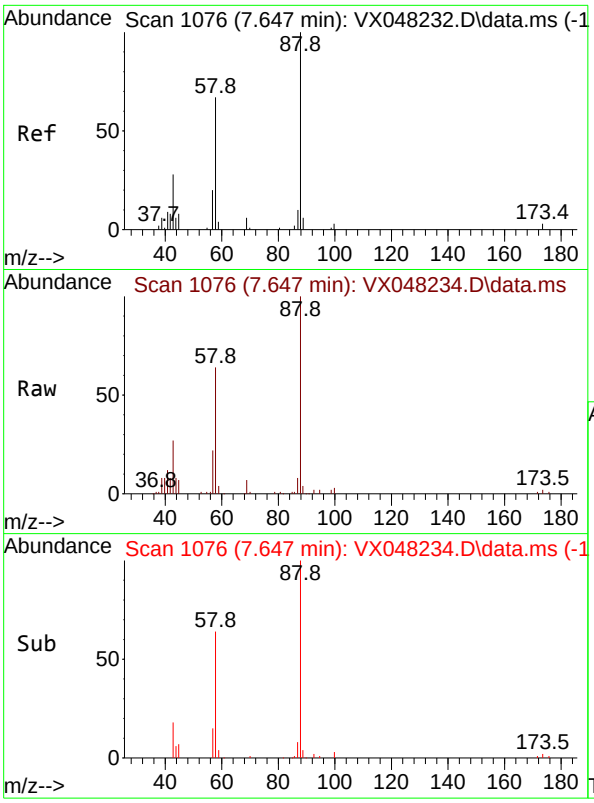



#48
Methyl methacrylate
Concen: 151.780 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 41 Resp: 184354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.0 | 63.4 | 95.0 |
| 39 | 58.5 | 47.1 | 70.7 |

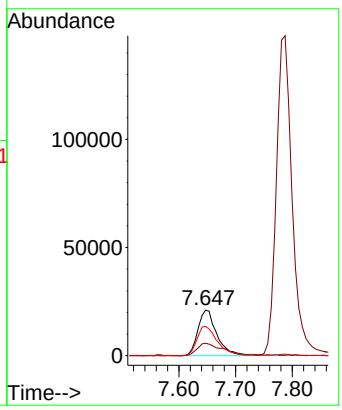





#49
1,4-Dioxane
Concen: 4563.512 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 88 Resp: 4989

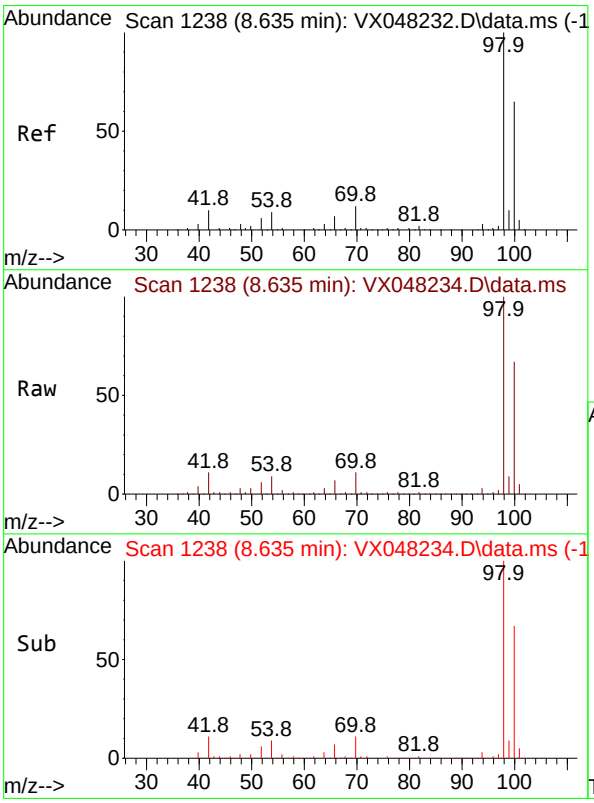
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.6 | 35.0 | 52.4 |
| 58 | 67.7 | 61.9 | 92.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

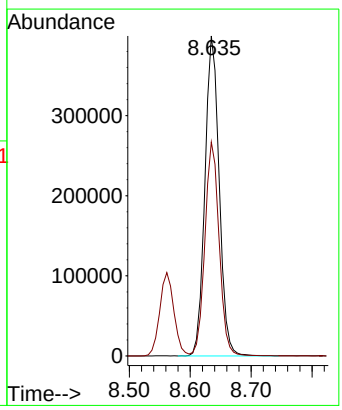
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

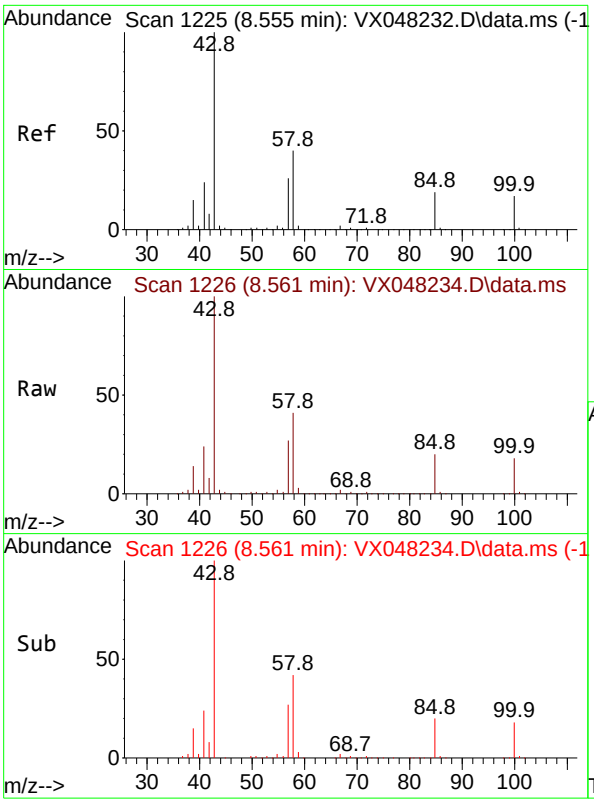



#50
Toluene-d8
Concen: 143.408 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 98 Resp: 648652

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

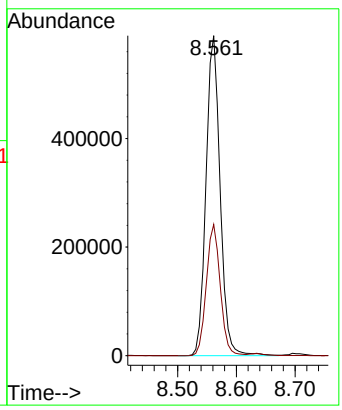





#51
4-Methyl-2-Pentanone
Concen: 744.604 ug/l
RT: 8.561 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 98312

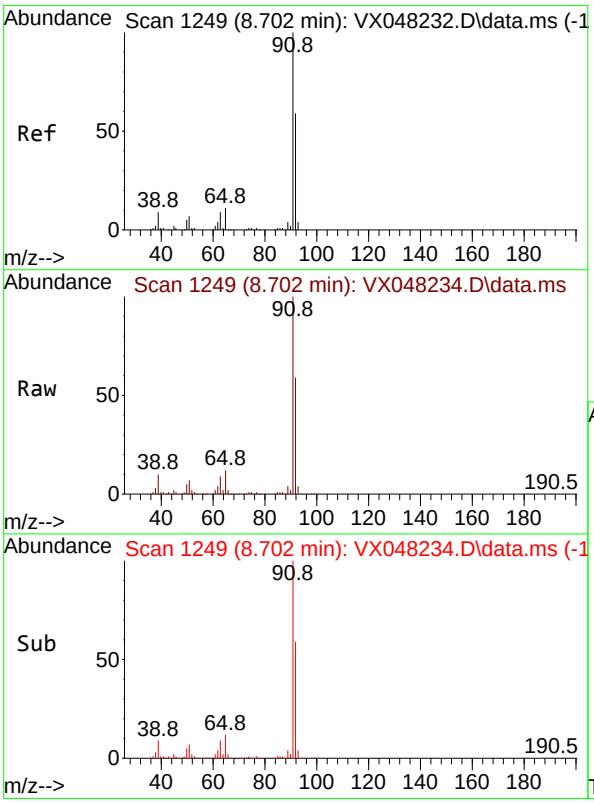
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.4 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

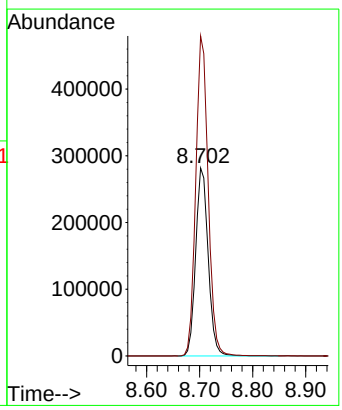
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

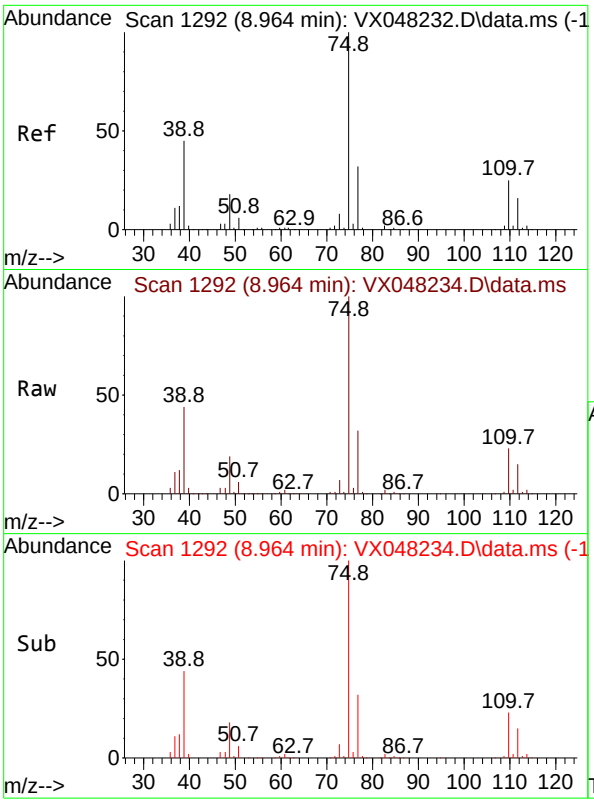



#52
Toluene
Concen: 145.964 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 92 Resp: 460742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.1 | 136.1 | 204.1 |

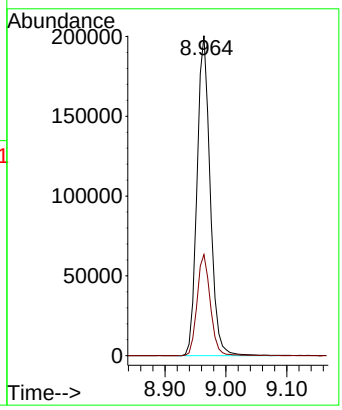





#53
t-1,3-Dichloropropene
Concen: 155.059 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 30025

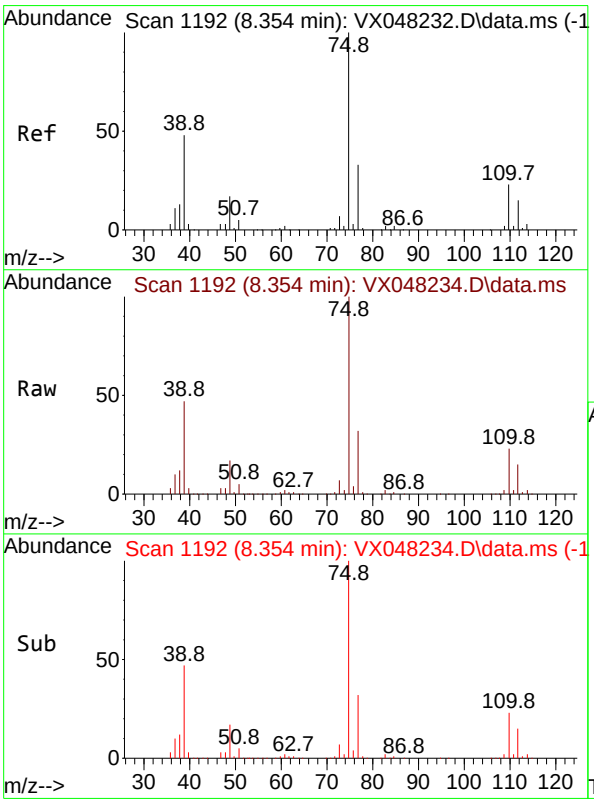
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

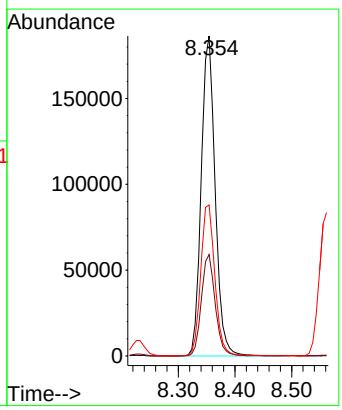
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

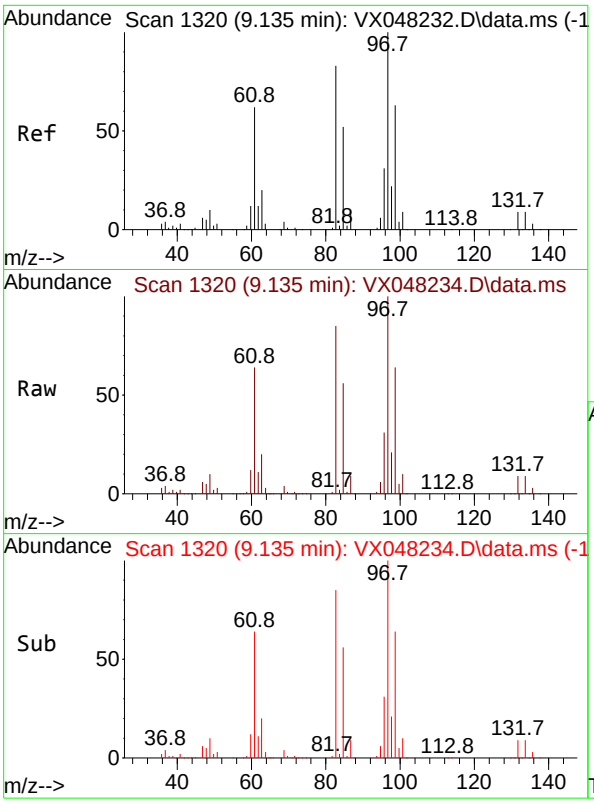



#54
cis-1,3-Dichloropropene
Concen: 150.373 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 317375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 24.9 | 37.3 |
| 39 | 47.1 | 42.6 | 64.0 |

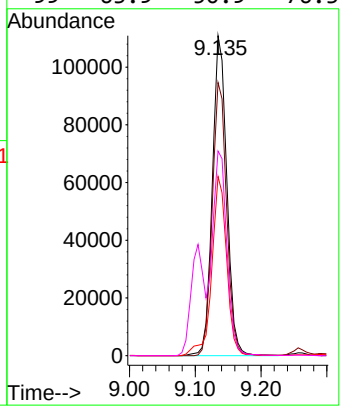





#55
1,1,2-Trichloroethane
Concen: 144.250 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 97 Resp: 16989

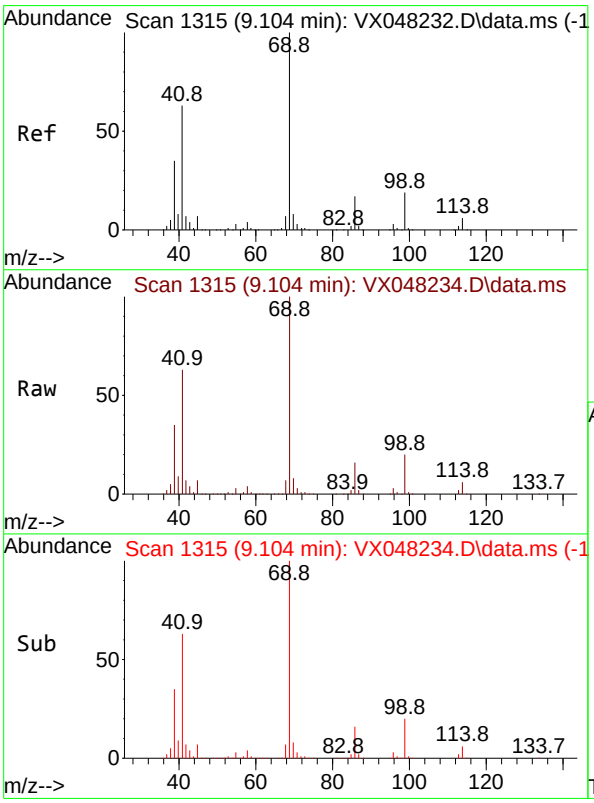
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.4 | 70.6 | 105.8 |
| 85 | 56.0 | 45.0 | 67.6 |
| 99 | 63.9 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

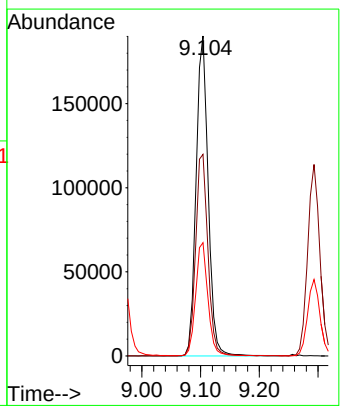
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

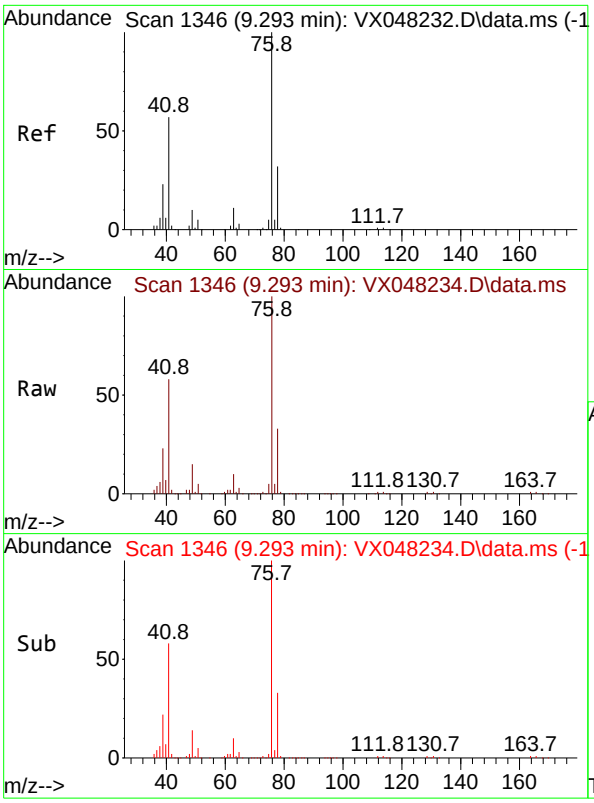



#56
Ethyl methacrylate
Concen: 169.911 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 69 Resp: 272177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.4 | 56.0 | 84.0 |
| 39 | 36.1 | 31.6 | 47.4 |

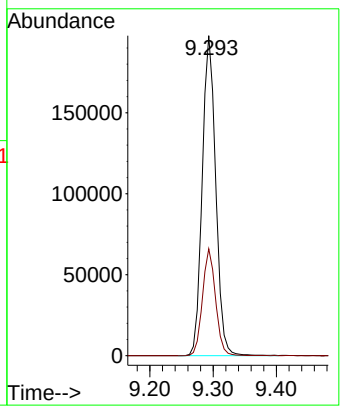





#57
1,3-Dichloropropane
Concen: 142.707 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 76 Resp: 29365

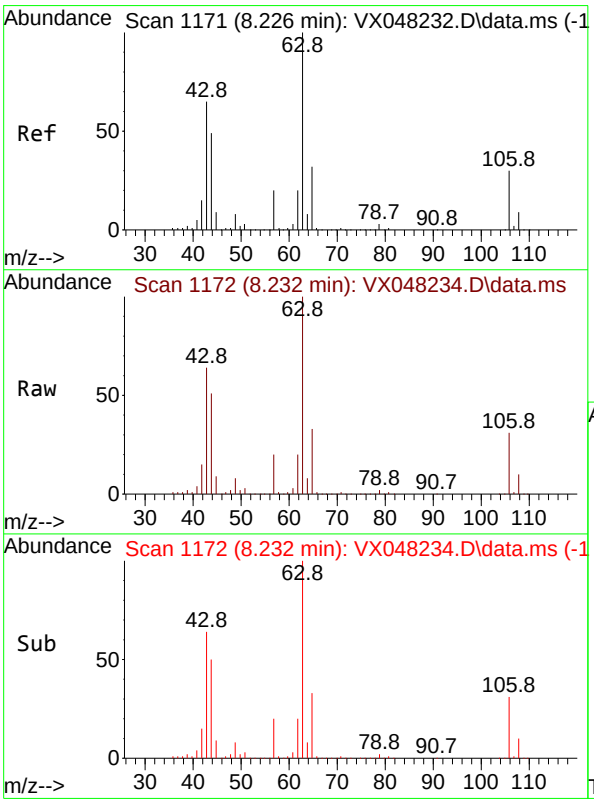
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 25.4 | 38.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

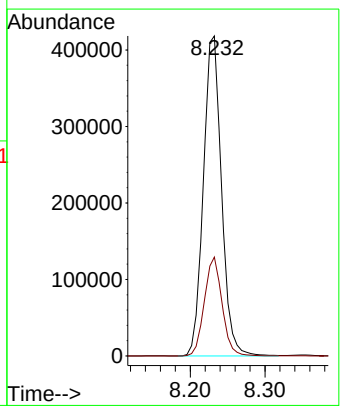
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

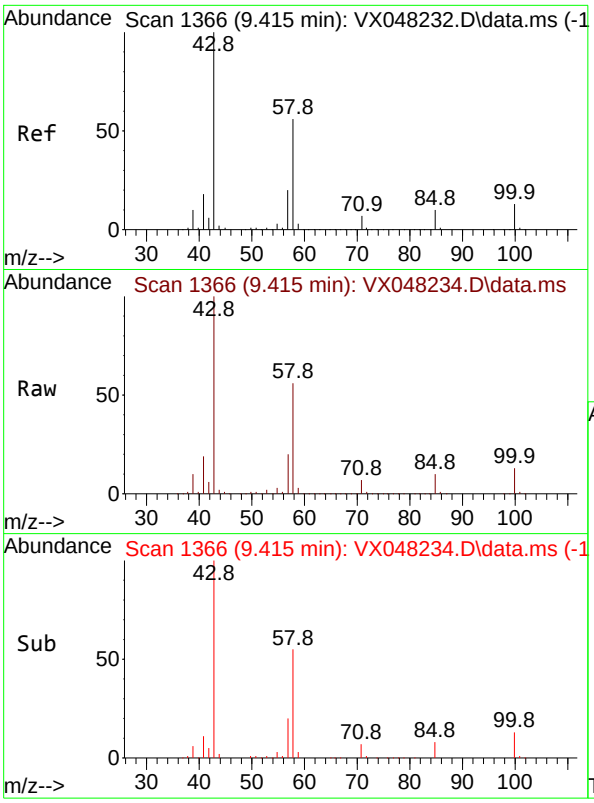



#58
2-Chloroethyl Vinyl ether
Concen: 858.056 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 63 Resp: 705780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.2 | 22.2 | 33.2 |

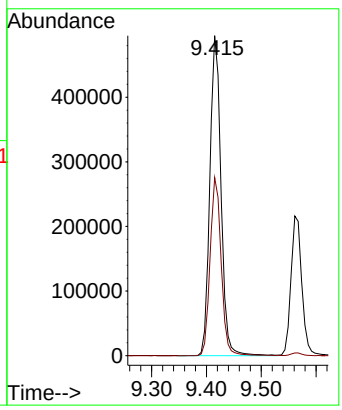





#59
2-Hexanone
Concen: 752.256 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 69473

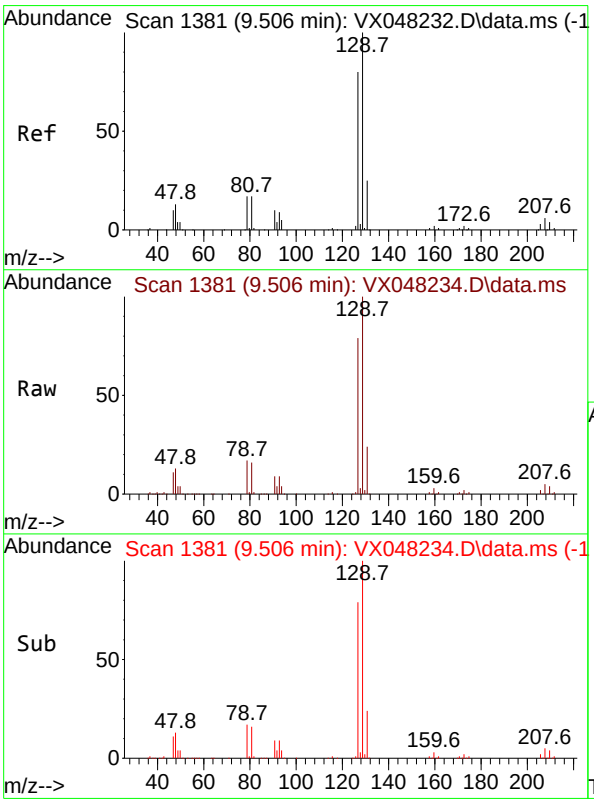
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.6 | 26.3 | 78.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

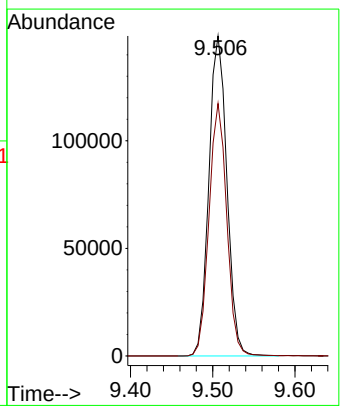
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

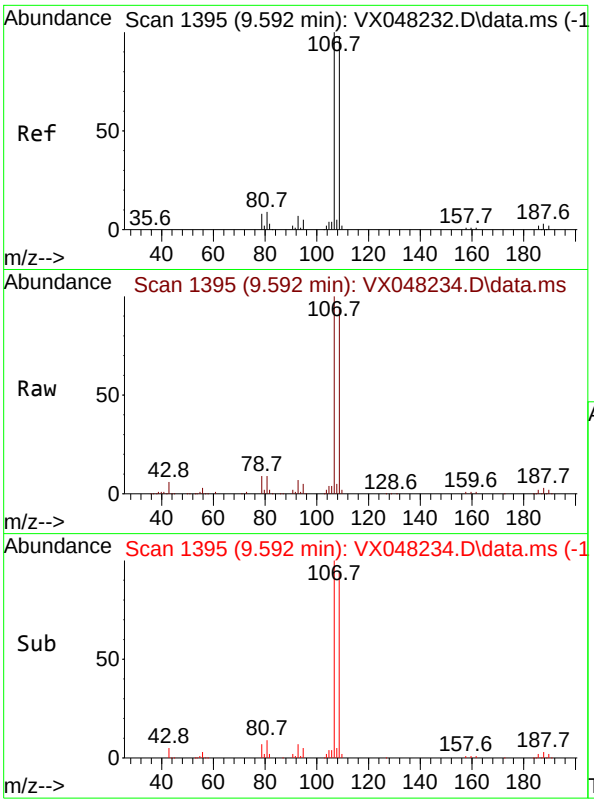



#60
Dibromochloromethane
Concen: 153.740 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:129 Resp: 226642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.8 | 38.6 | 115.7 |

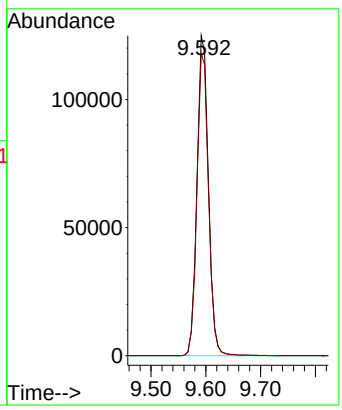





#61
1,2-Dibromoethane
Concen: 150.876 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:107 Resp: 18220

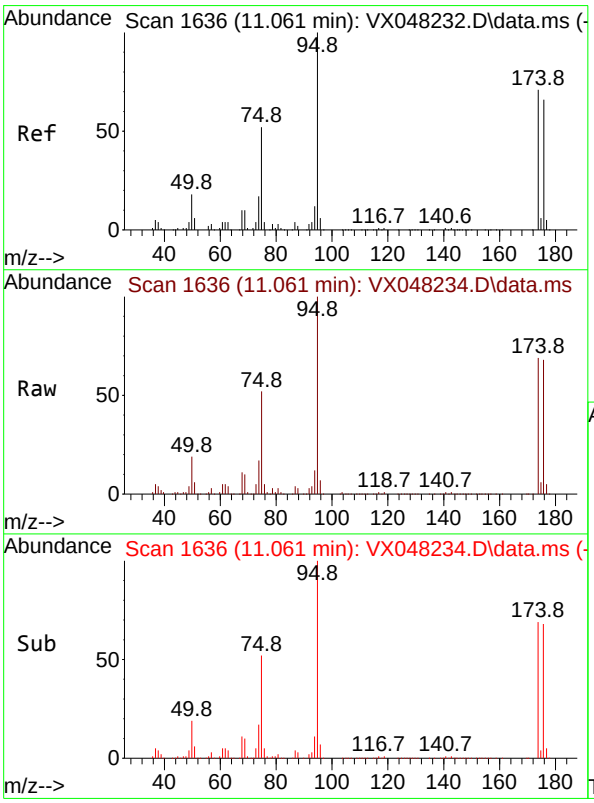
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.6 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

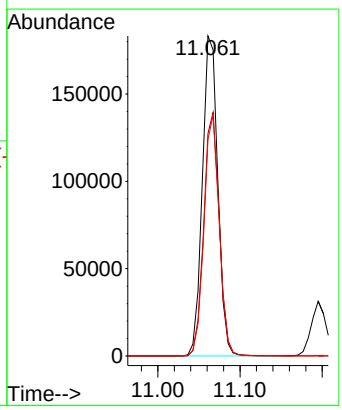
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

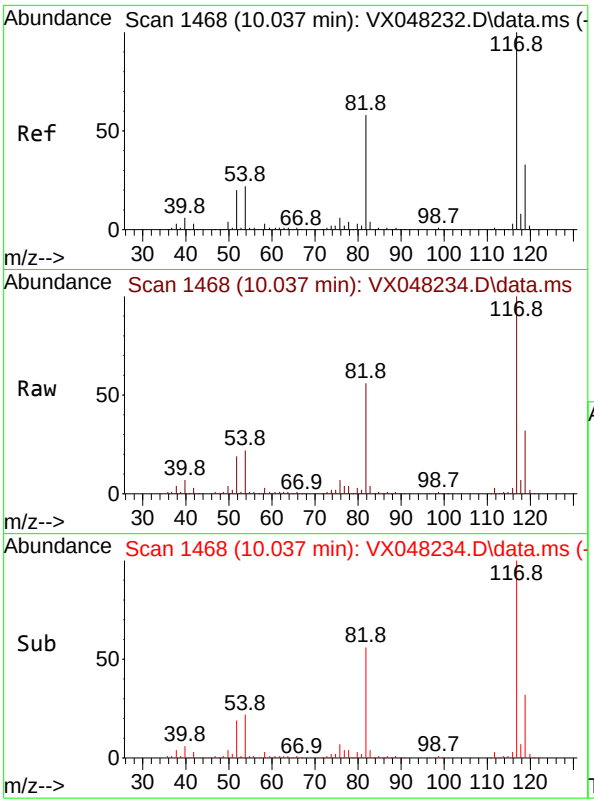



#62
4-Bromofluorobenzene
Concen: 145.255 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 95 Resp: 239298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.0 | 0.0 | 147.8 |
| 176 | 74.2 | 0.0 | 142.8 |

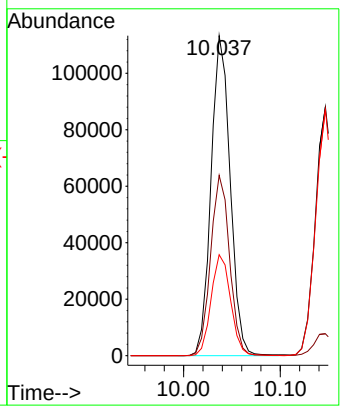





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:117 Resp: 15575

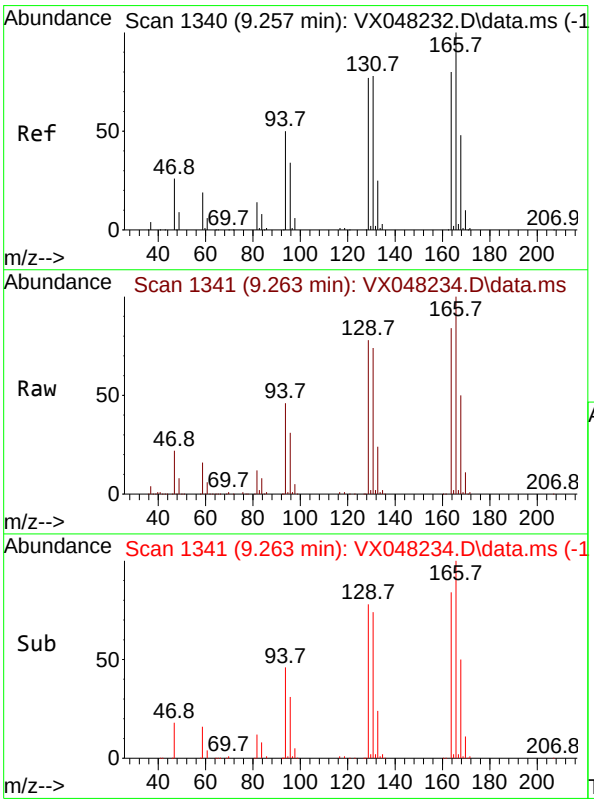
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 46.5 | 69.7 |
| 119 | 31.5 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

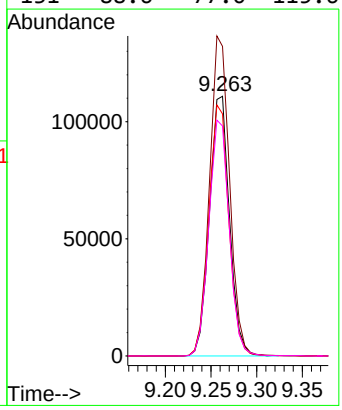
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

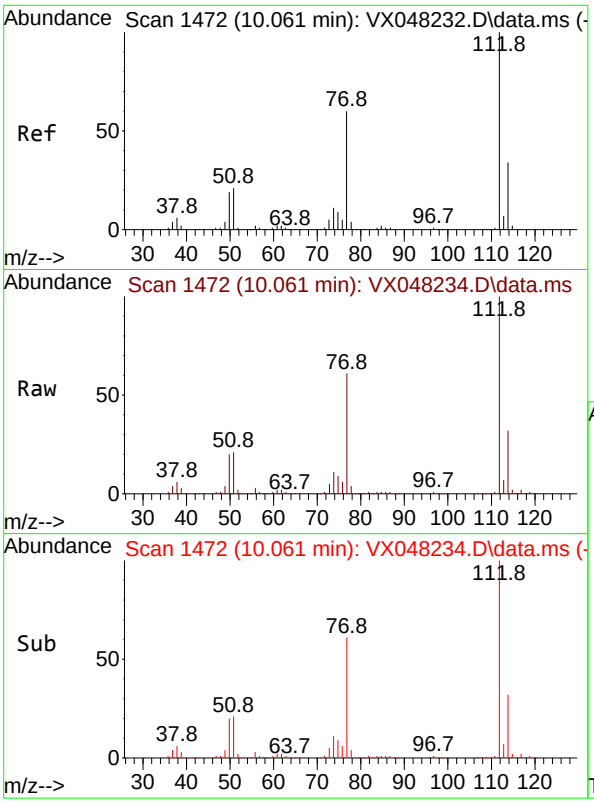



#64
Tetrachloroethene
Concen: 154.361 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:164 Resp: 168581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 119.3 | 104.5 | 156.7 |
| 129 | 93.2 | 81.8 | 122.6 |
| 131 | 88.6 | 77.0 | 115.6 |

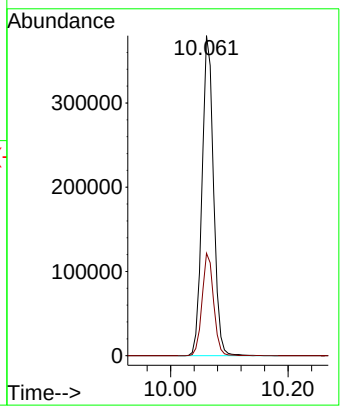





#65
Chlorobenzene
Concen: 151.209 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:112 Resp: 51496

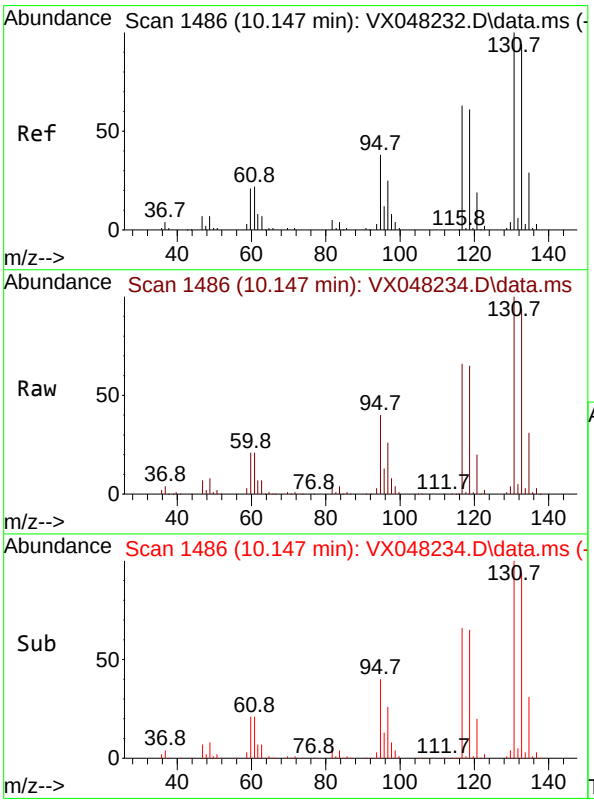
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

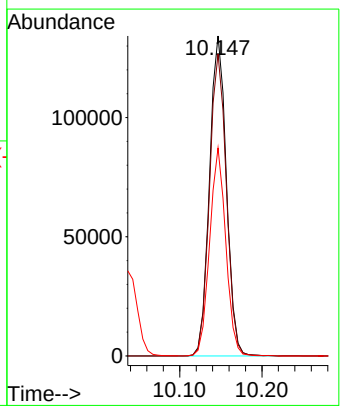
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

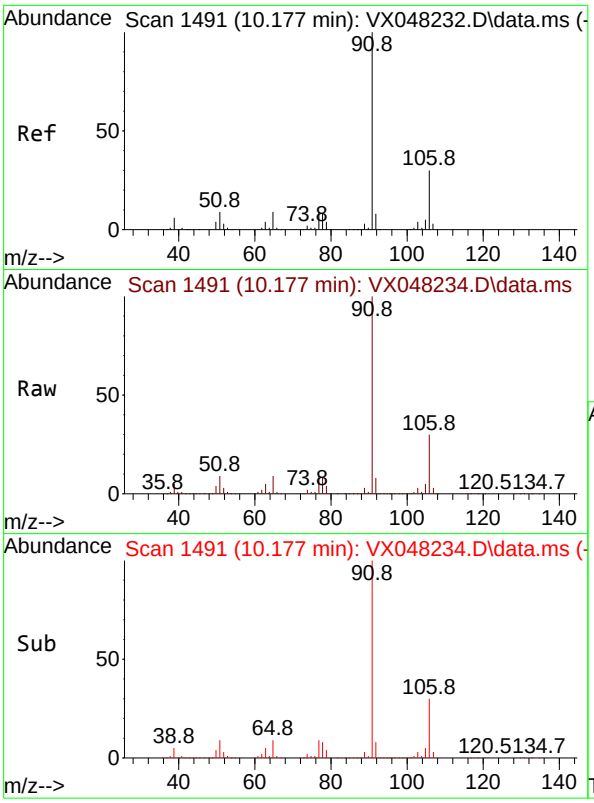



#66
1,1,1,2-Tetrachloroethane
Concen: 155.782 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:131 Resp: 191186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.4 | 47.6 | 142.8 |
| 119 | 62.3 | 32.5 | 97.5 |

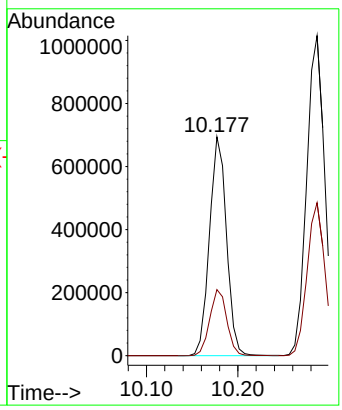





#67
Ethyl Benzene
Concen: 153.825 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 91 Resp: 89813

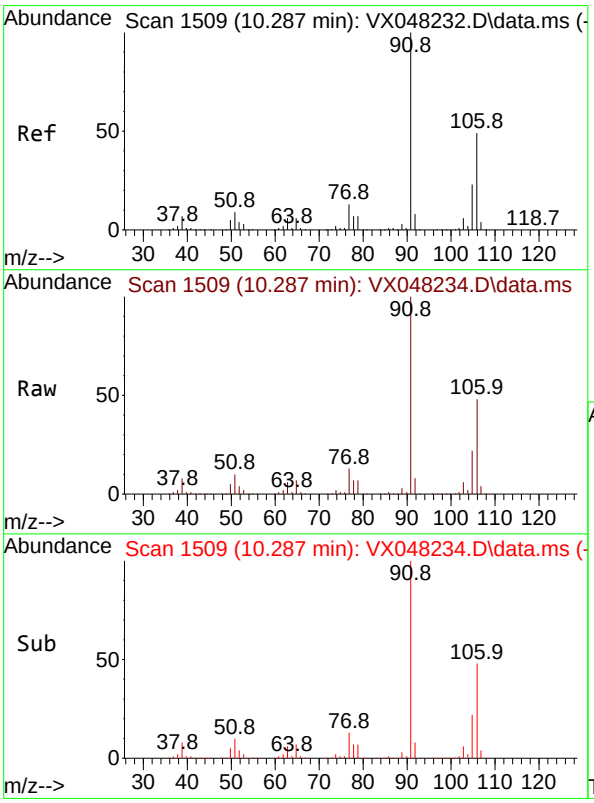
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.2 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

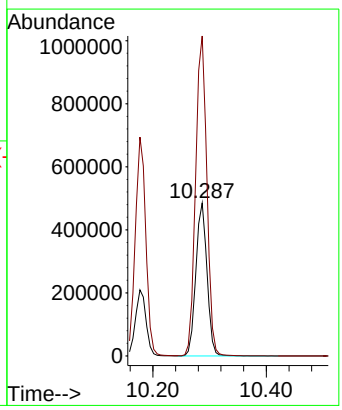
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

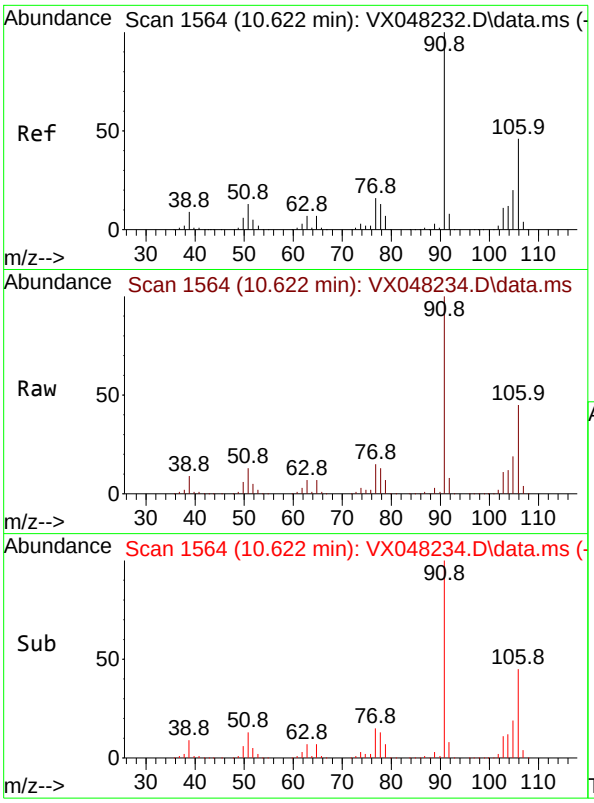



#68
m/p-Xylenes
Concen: 303.896 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:106 Resp: 661019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.4 | 167.9 | 251.9 |

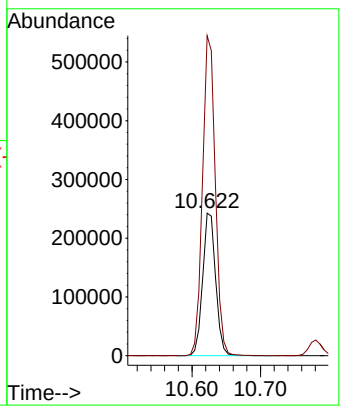





#69
o-Xylene
Concen: 156.444 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:106 Resp: 32033

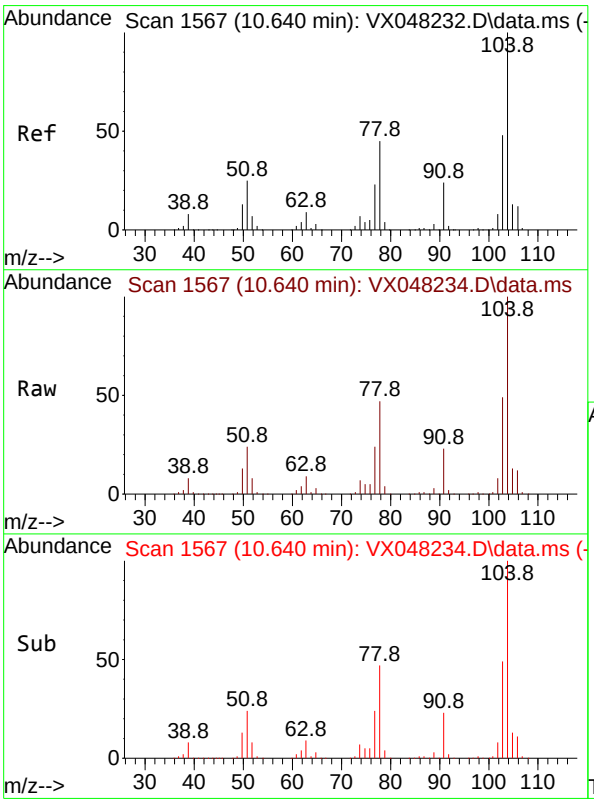
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.5 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

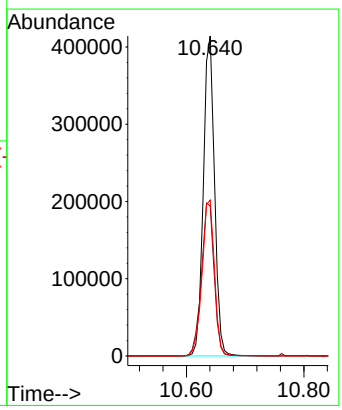
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

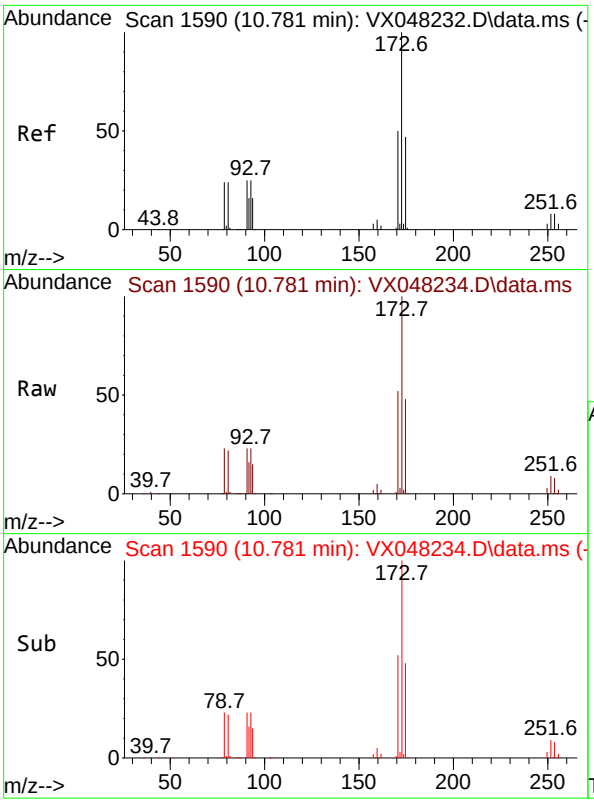



#70
Styrene
Concen: 155.523 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:104 Resp: 548149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.3 | 42.2 | 63.4 |
| 103 | 54.4 | 43.0 | 64.4 |

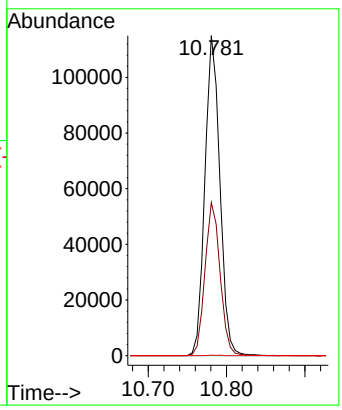





#71
Bromoform
Concen: 168.892 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:173 Resp: 15220

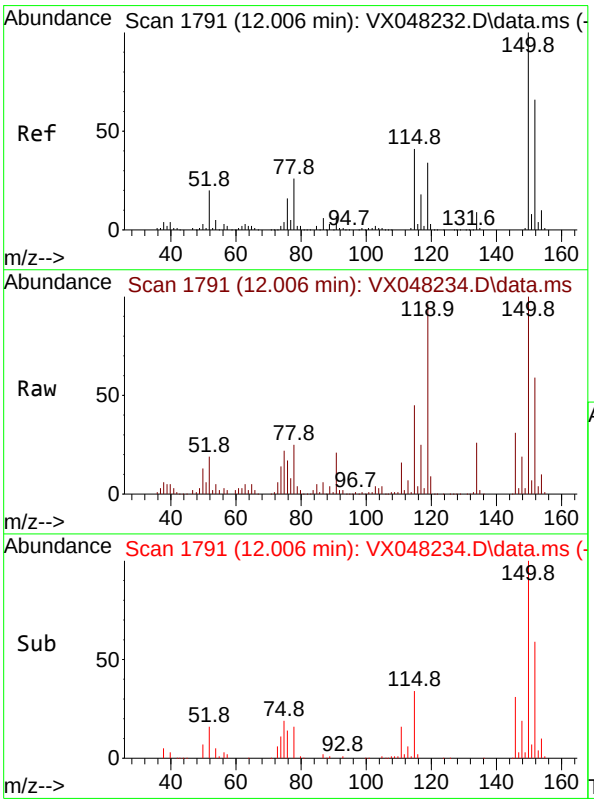
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.4 | 24.0 | 72.0 |
| 254 | 0.1 | 0.0 | 0.0# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

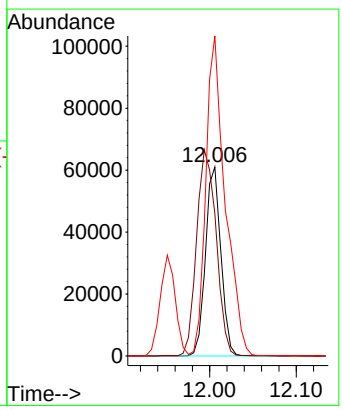
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

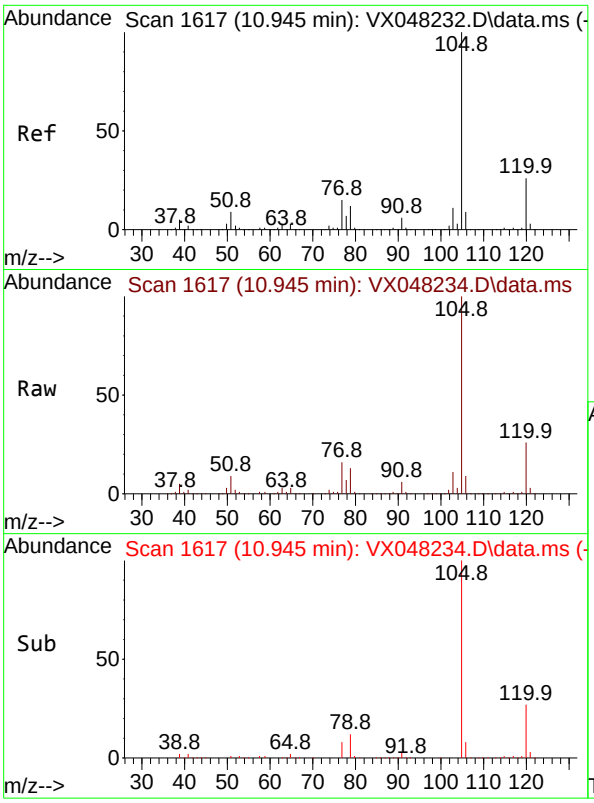



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:152 Resp: 75397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 138.9 | 43.1 | 129.4# |
| 150 | 212.6 | 0.0 | 353.0 |

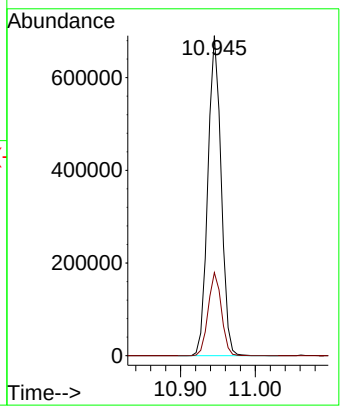





#73
Isopropylbenzene
Concen: 161.931 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:105 Resp: 84918

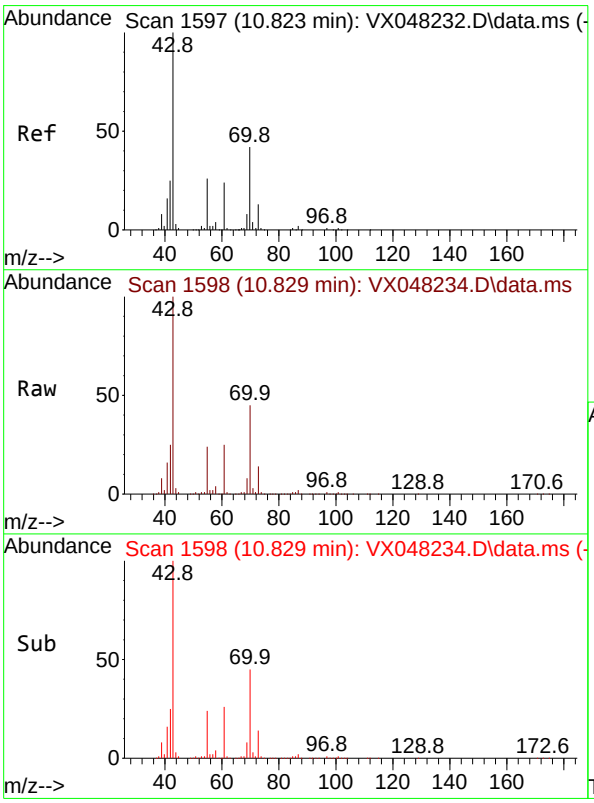
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.0 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

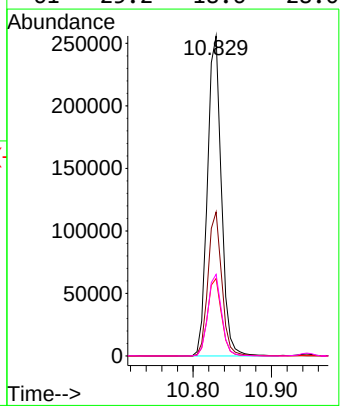
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

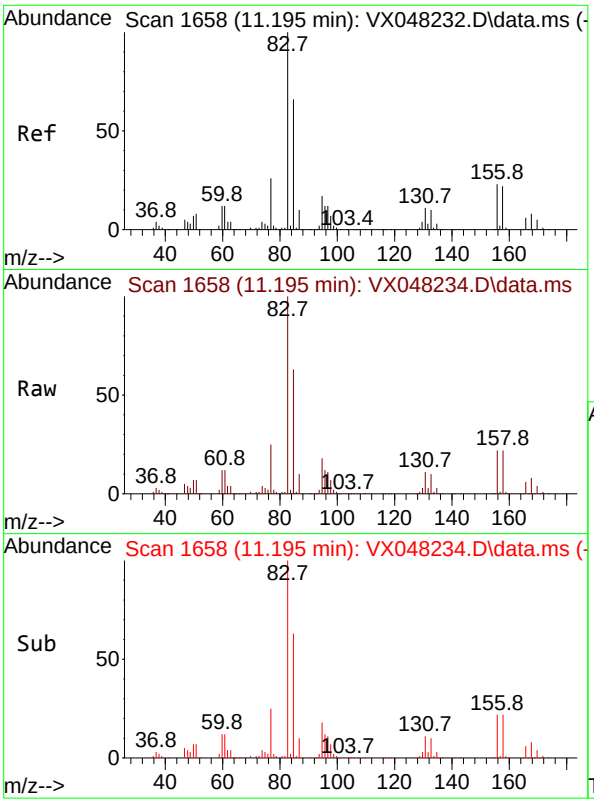



#74
N-amyl acetate
Concen: 160.952 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 314879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.5 | 32.2 | 48.2 |
| 55 | 24.4 | 19.1 | 28.7 |
| 61 | 25.2 | 18.6 | 28.0 |

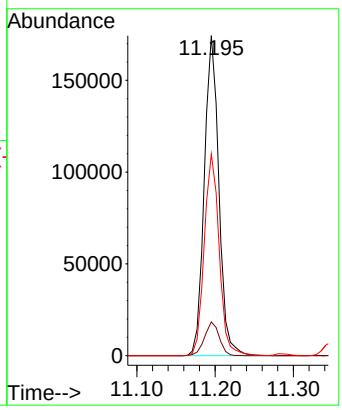





#75
1,1,2,2-Tetrachloroethane
Concen: 151.104 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 83 Resp: 22448

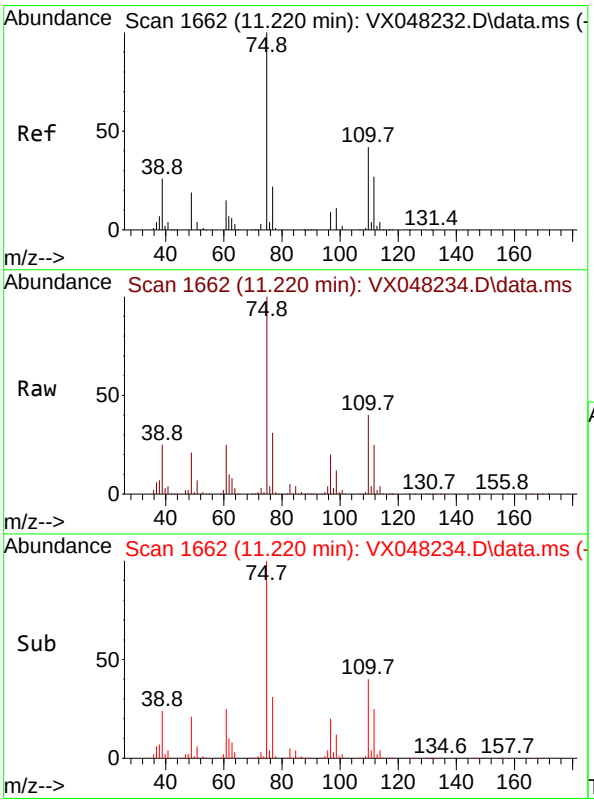
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.7 | 4.8 | 14.4 |
| 85 | 64.6 | 31.9 | 95.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

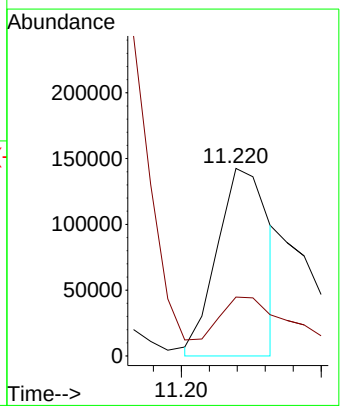
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

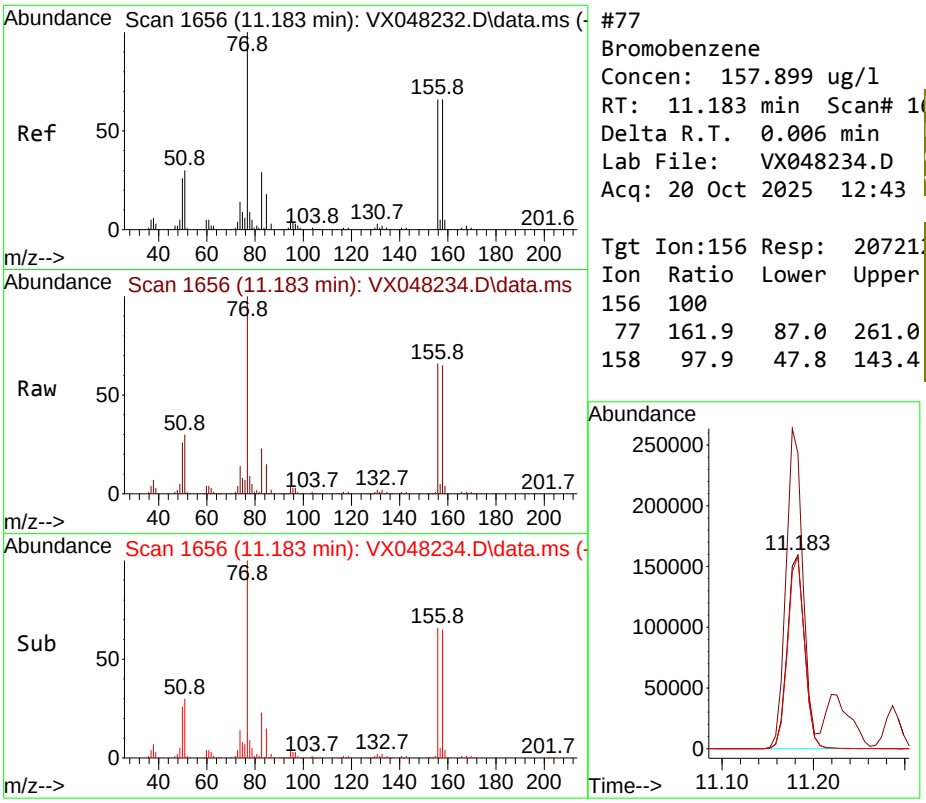



#76
1,2,3-Trichloropropane
Concen: 157.586 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 181434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 44.8 | 22.4 | 67.2 |






#77
Bromobenzene
Concen: 157.899 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:156 Resp: 20721

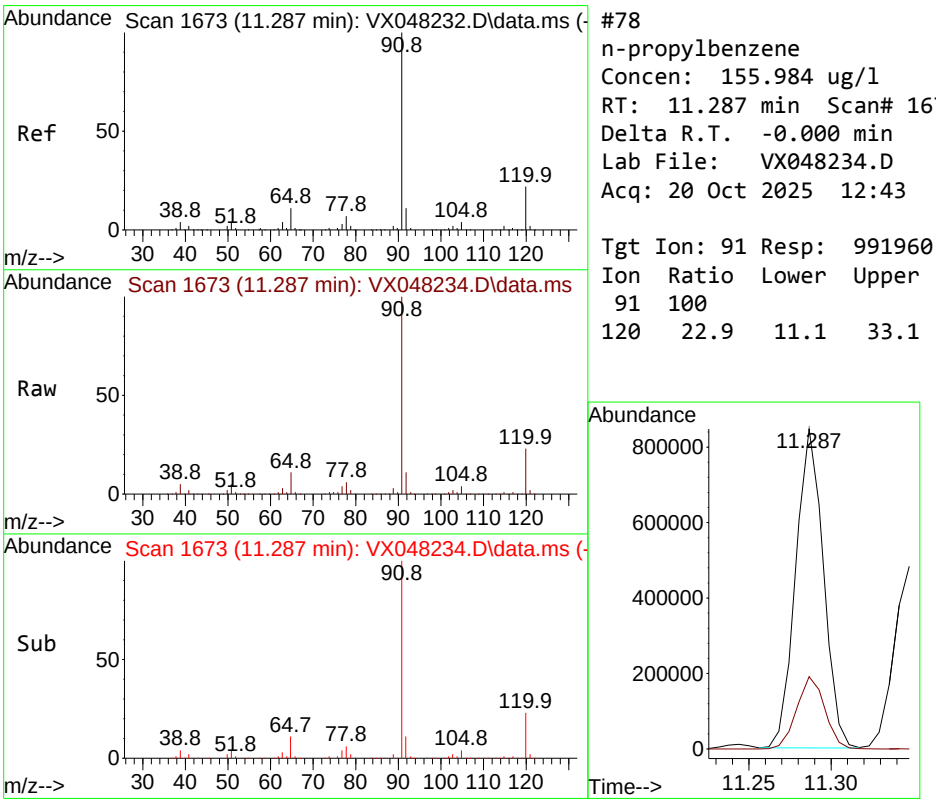
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 161.9 | 87.0 | 261.0 |
| 158 | 97.9 | 47.8 | 143.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

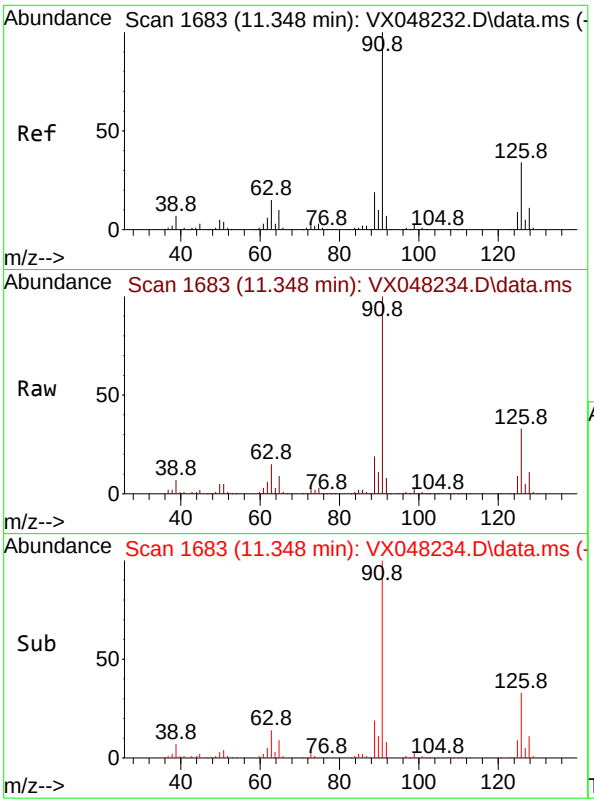
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025




#78
n-propylbenzene
Concen: 155.984 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 91 Resp: 991960

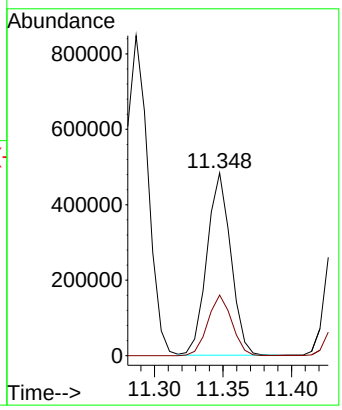
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.1 | 33.1 |




#79
2-Chlorotoluene
Concen: 152.465 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 91 Resp: 58579

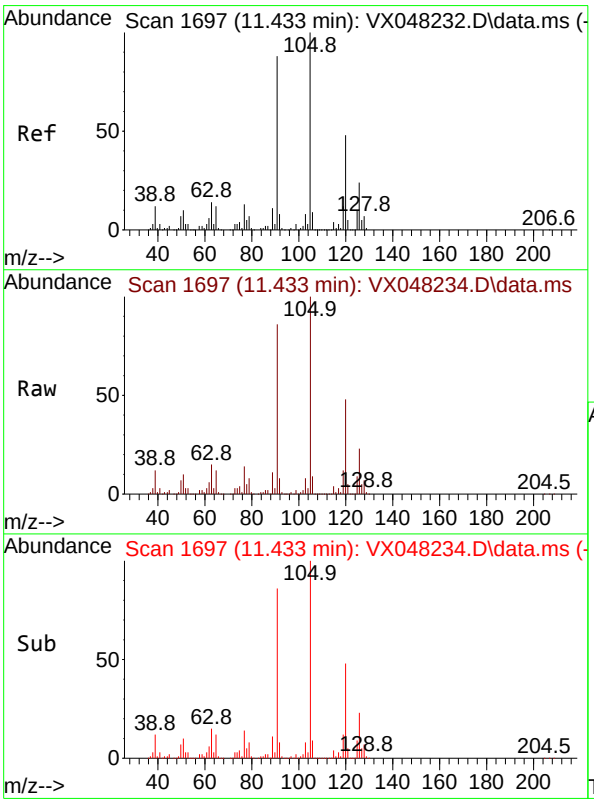
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.5 | 16.4 | 49.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

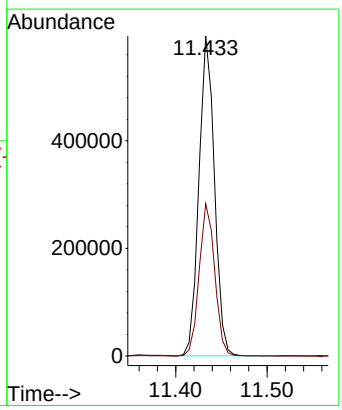
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

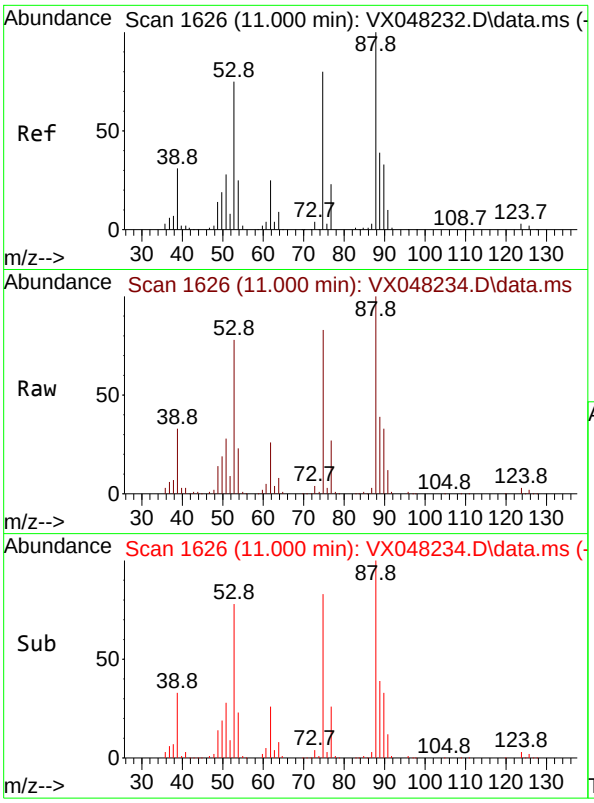



#80
1,3,5-Trimethylbenzene
Concen: 162.591 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:105 Resp: 699885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.7 | 24.0 | 72.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 176.858 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

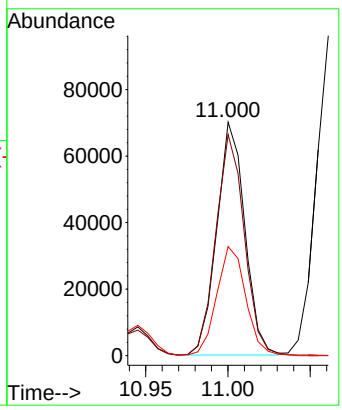
Tgt Ion: 75 Resp: 8315

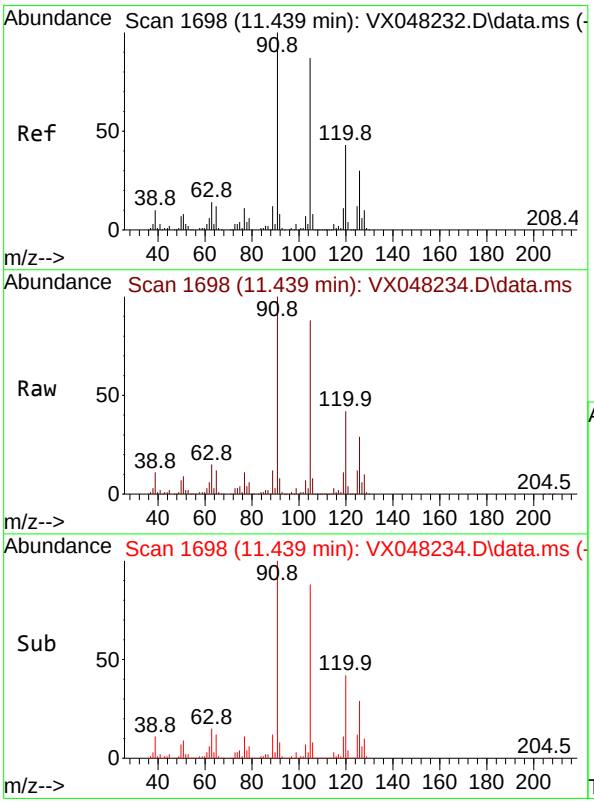
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 96.5 | 79.5 | 119.3 |
| 89 | 48.6 | 36.8 | 55.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

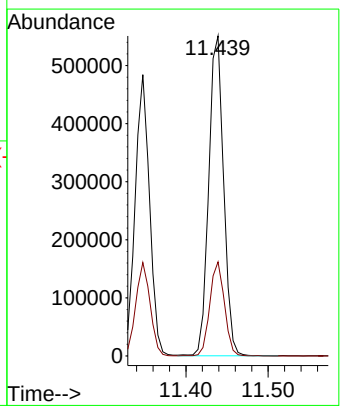


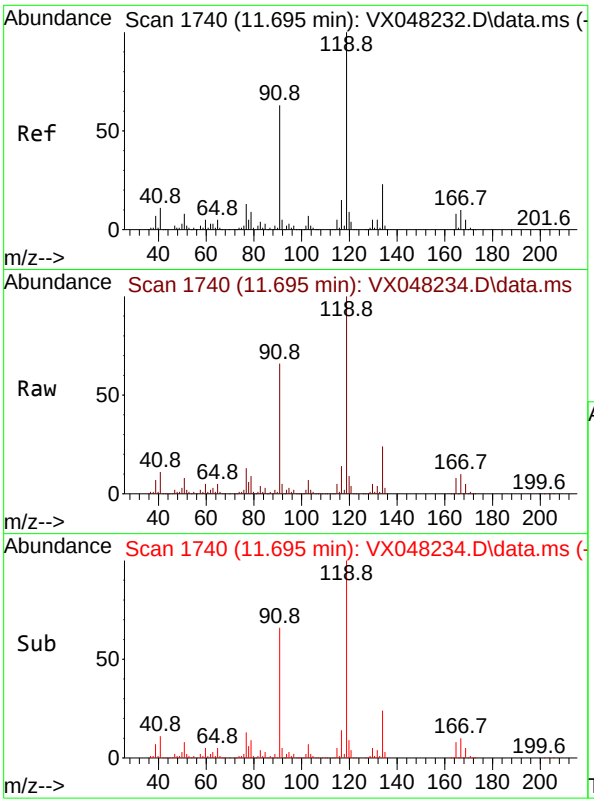




#82
4-Chlorotoluene
Concen: 153.240 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 91 Resp: 691903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.0 | 14.1 | 42.4 |

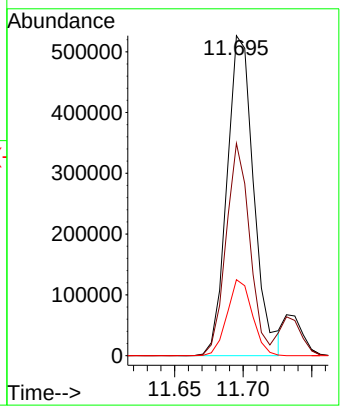





#83
tert-Butylbenzene
Concen: 165.020 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:119 Resp: 71764

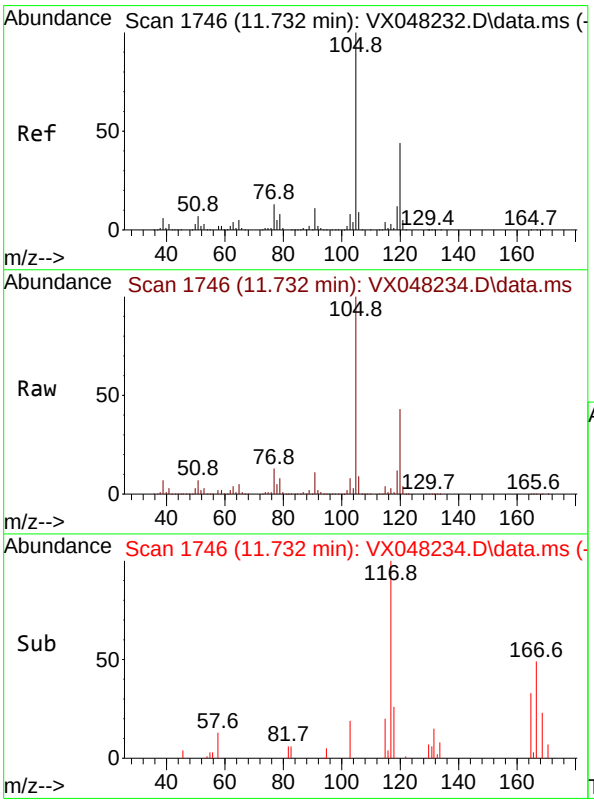
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.9 | 30.3 | 91.0 |
| 134 | 22.3 | 11.4 | 34.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

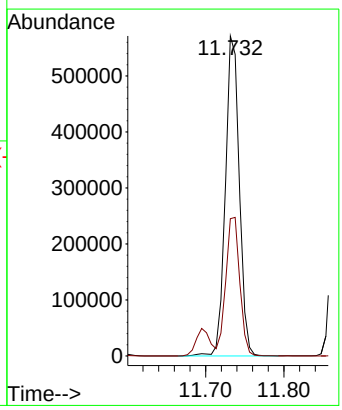
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

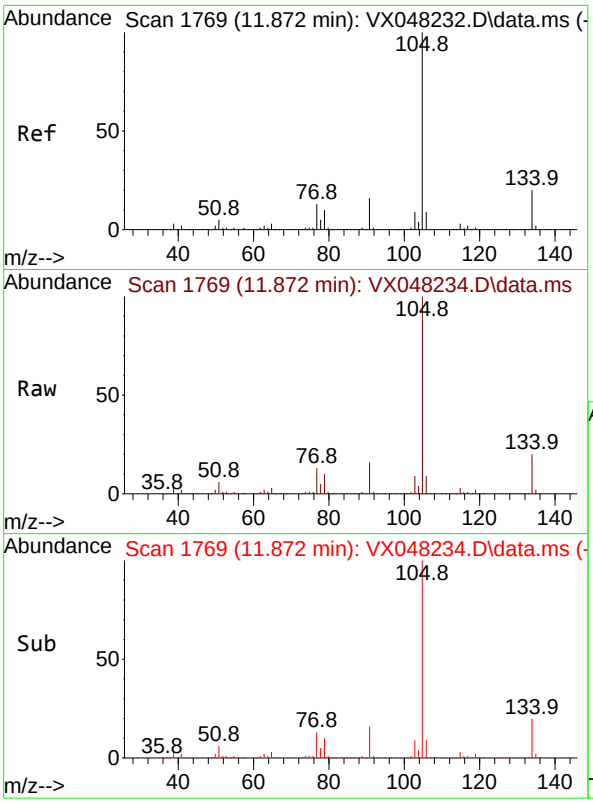



#84
1,2,4-Trimethylbenzene
Concen: 164.961 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:105 Resp: 707074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 22.1 | 66.5 |

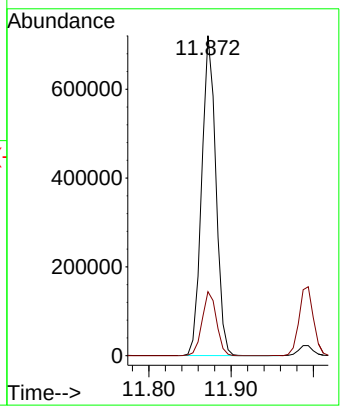





#85
sec-Butylbenzene
Concen: 162.035 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:105 Resp: 86146

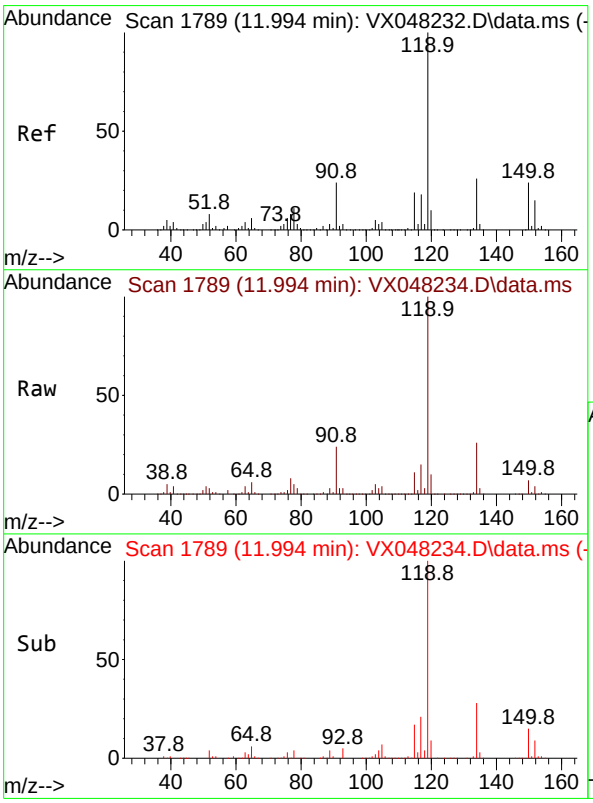
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.3 | 10.1 | 30.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

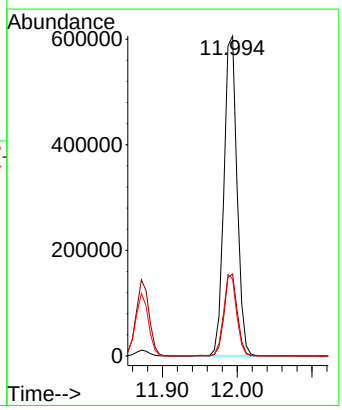
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

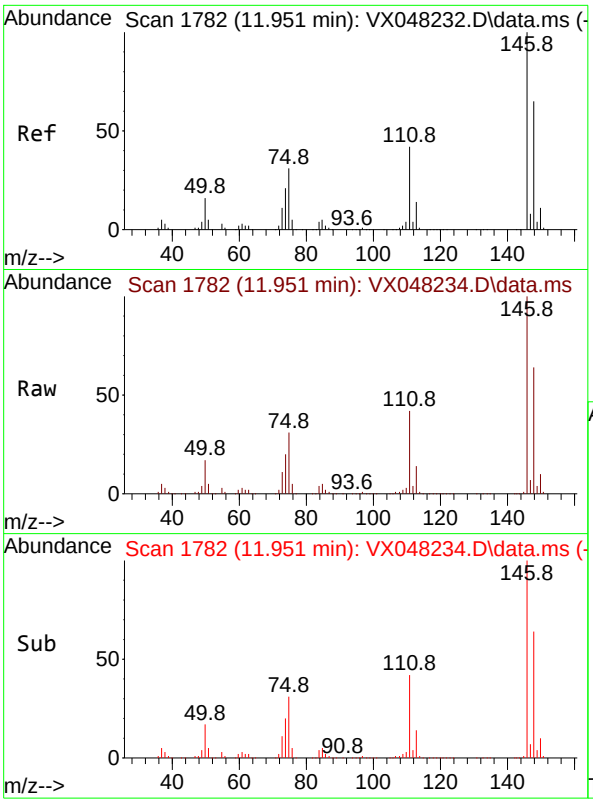



#86
p-Isopropyltoluene
Concen: 164.794 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:119 Resp: 738496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 13.0 | 39.0 |
| 91 | 25.1 | 12.1 | 36.3 |

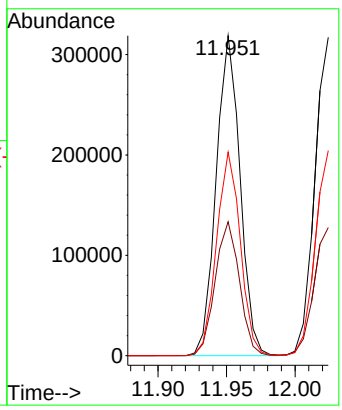





#87
1,3-Dichlorobenzene
Concen: 157.307 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:146 Resp: 38606

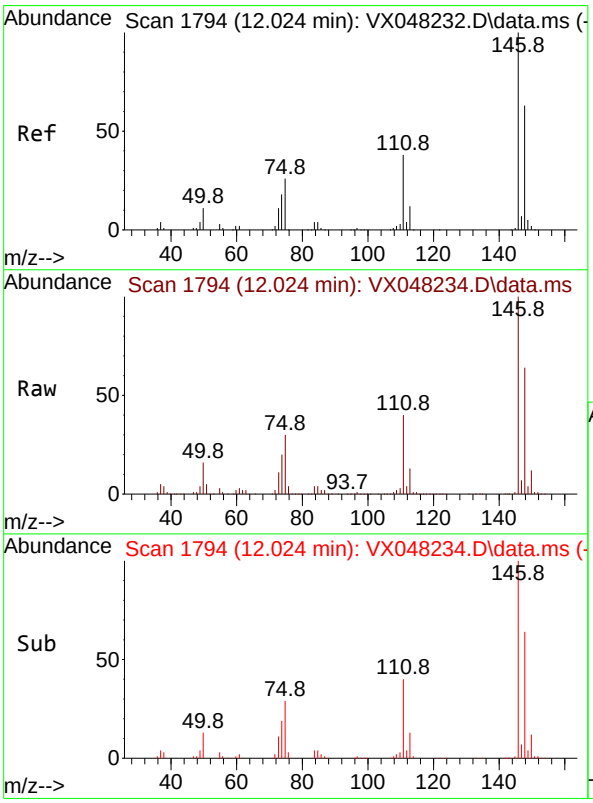
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 20.4 | 61.2 |
| 148 | 63.5 | 31.9 | 95.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

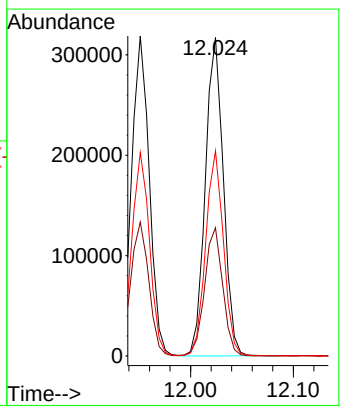
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

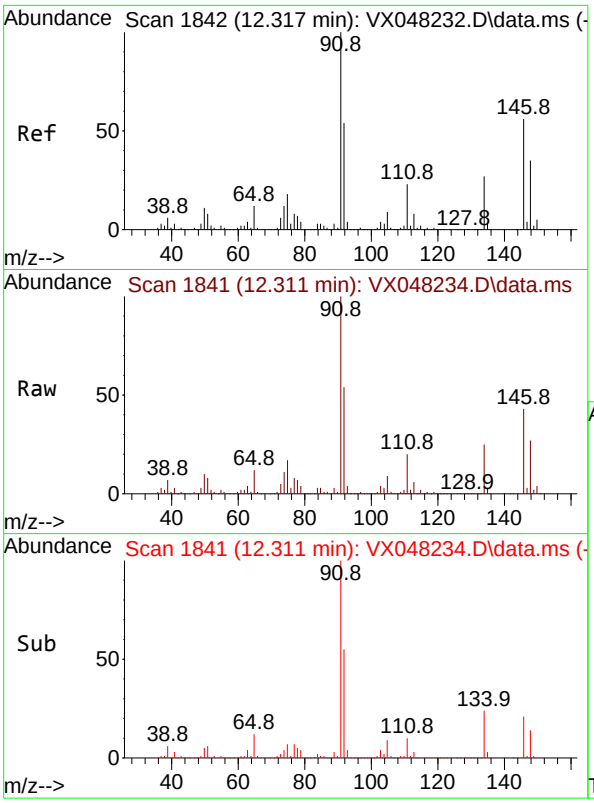



#88
1,4-Dichlorobenzene
Concen: 152.078 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:146 Resp: 386885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 20.1 | 60.2 |
| 148 | 63.4 | 31.8 | 95.3 |

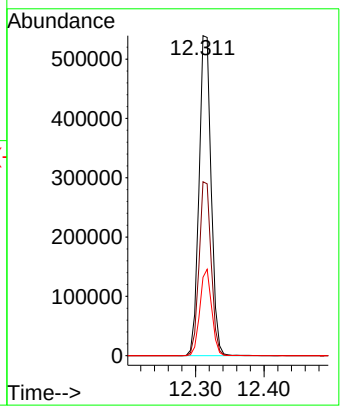





#89
n-Butylbenzene
Concen: 159.098 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 91 Resp: 66407

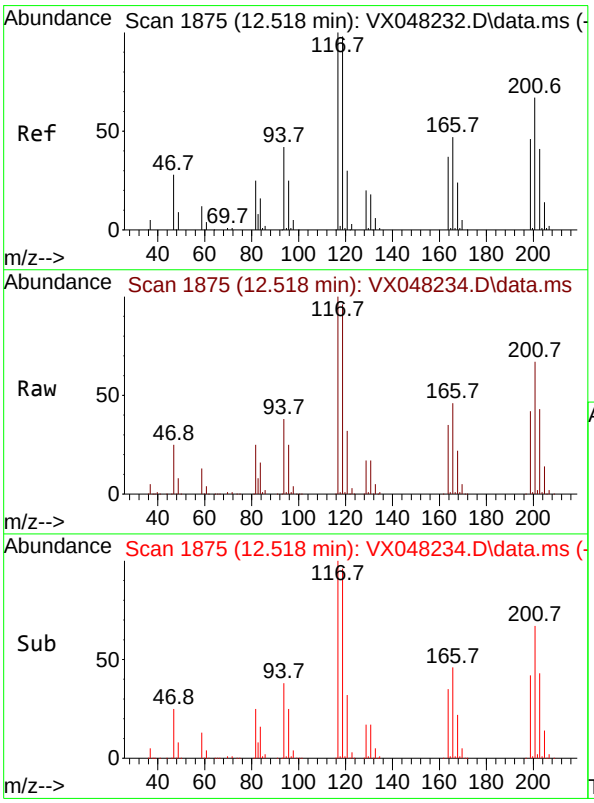
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.4 | 26.9 | 80.6 |
| 134 | 26.3 | 12.7 | 38.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

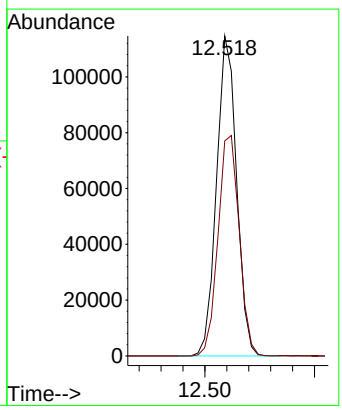
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

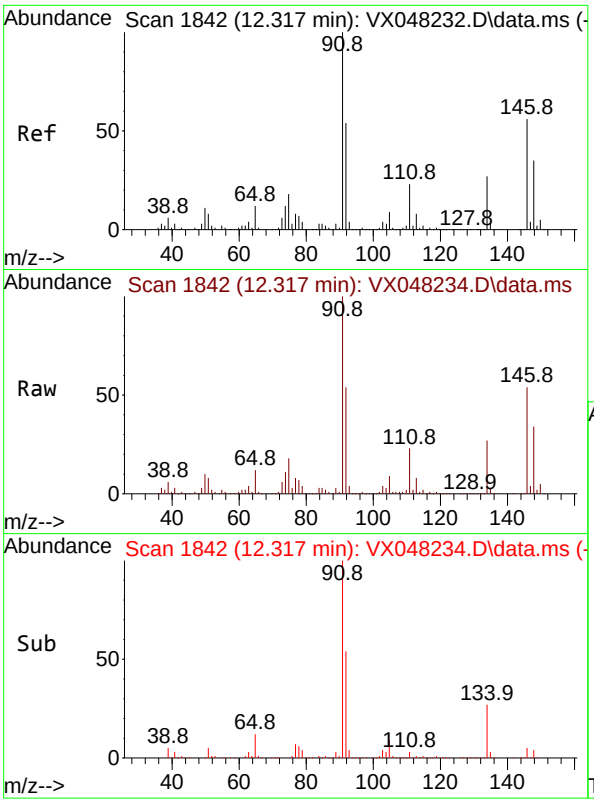



#90
Hexachloroethane
Concen: 154.159 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:117 Resp: 145813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 73.0 | 34.1 | 102.2 |

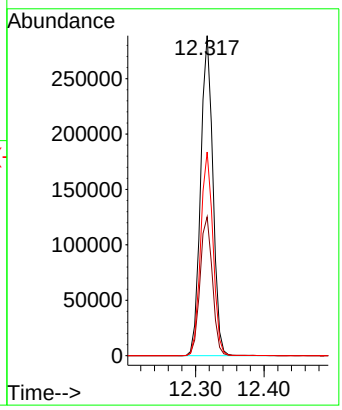





#91
1,2-Dichlorobenzene
Concen: 154.946 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:146 Resp: 35927

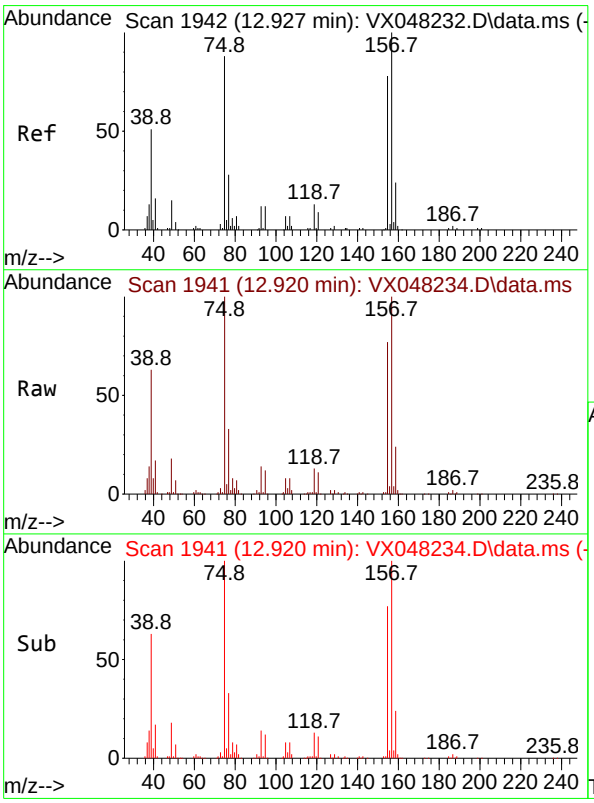
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 21.9 | 65.5 |
| 148 | 64.4 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

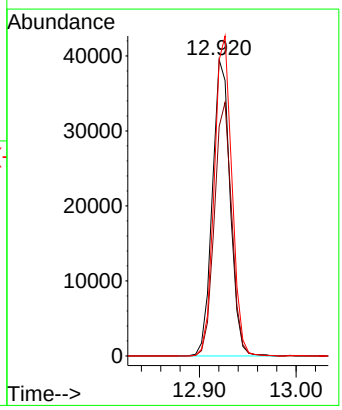
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

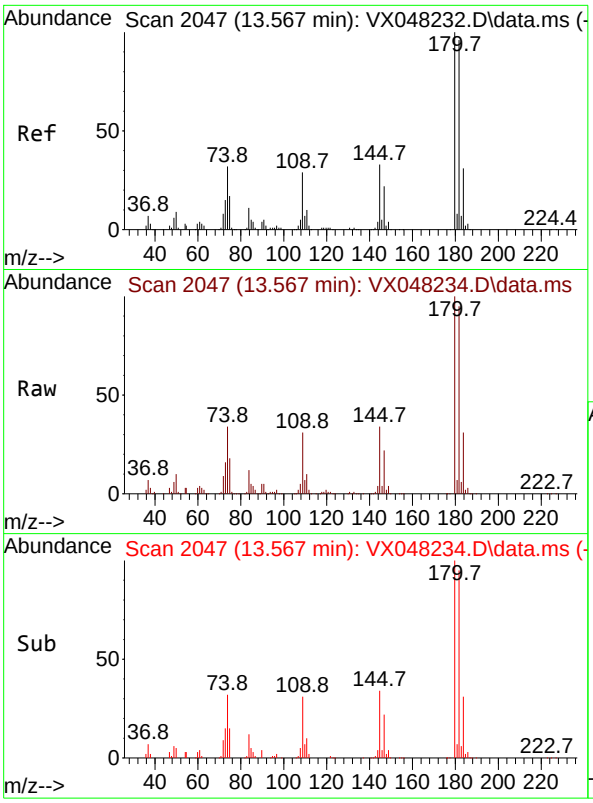



#92
1,2-Dibromo-3-Chloropropane
Concen: 185.536 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 50367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.7 | 42.8 | 128.4 |
| 157 | 106.9 | 54.2 | 162.6 |

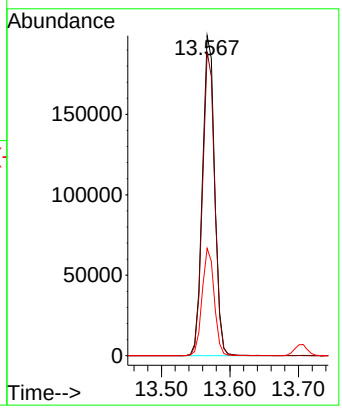





#93
1,2,4-Trichlorobenzene
Concen: 180.791 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:180 Resp: 24747

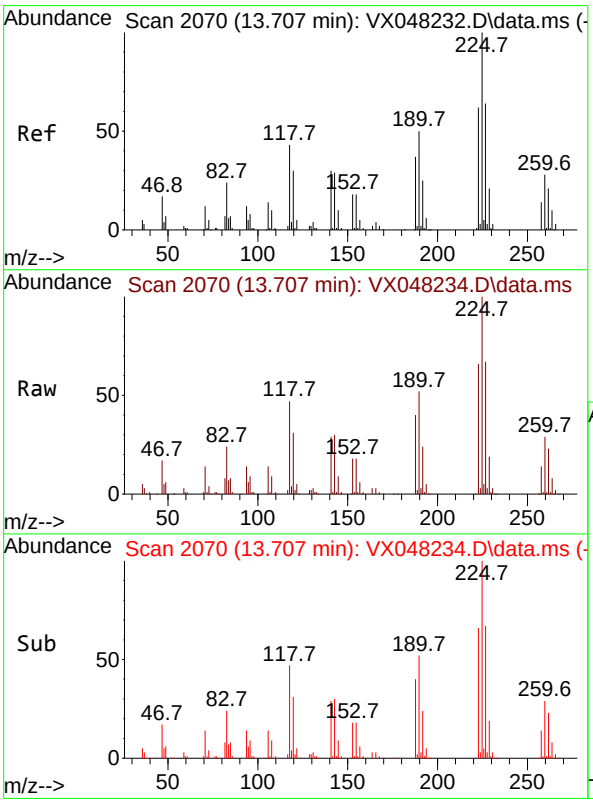
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 47.3 | 142.0 |
| 145 | 33.2 | 16.3 | 48.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

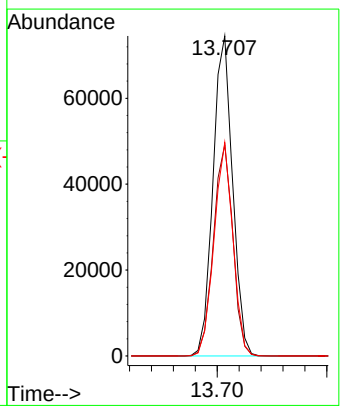
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

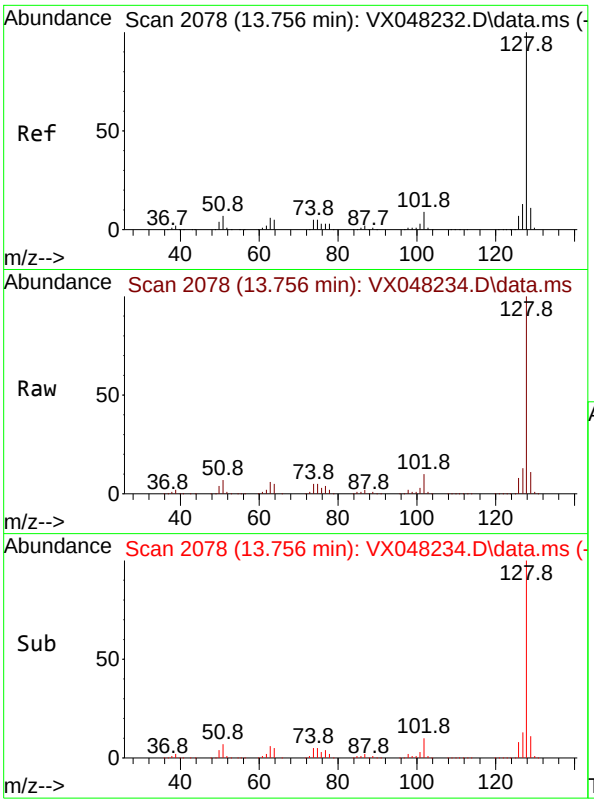



#94
Hexachlorobutadiene
Concen: 175.138 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:225 Resp: 92458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.2 | 32.6 | 97.7 |
| 227 | 64.3 | 32.5 | 97.4 |

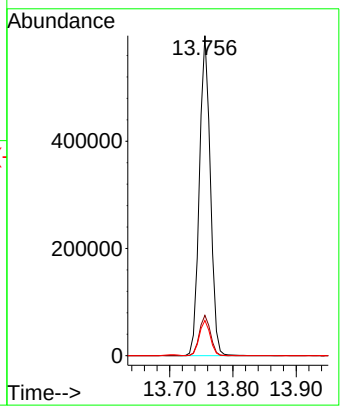





#95
Naphthalene
Concen: 199.386 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:128 Resp: 71943

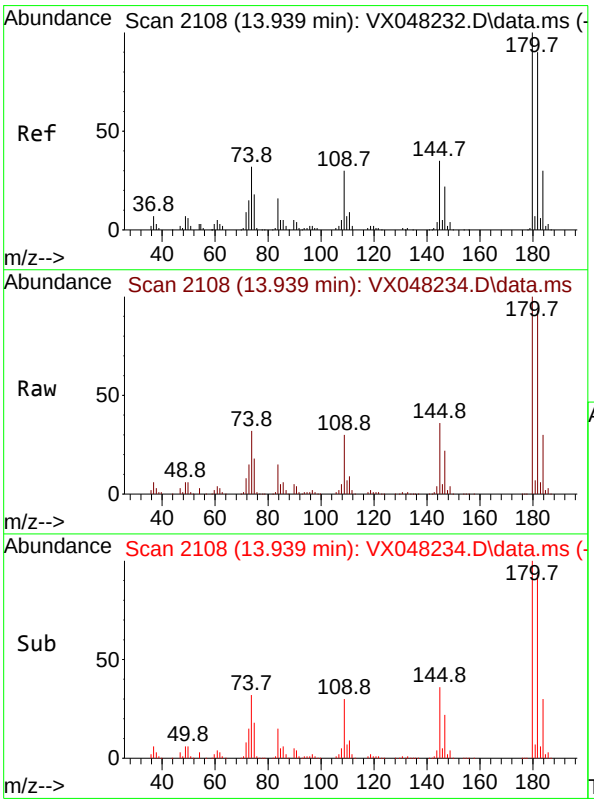
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.4 |
| 129 | 11.0 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

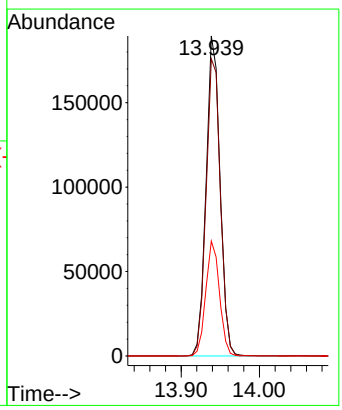
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 185.022 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:180 Resp: 233671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 46.6 | 139.7 |
| 145 | 35.4 | 16.9 | 50.7 |



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048236.D
Acq On : 20 Oct 2025 13:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 20 14:07:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 13:10:39 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 138374 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 228619 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 208481 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 105998 | 50.000 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 10036 | 4.008 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = | 8.020%# | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 7733 | 3.839 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 7.680%# | | | |
| 50) Toluene-d8 | 8.634 | 98 | 27914 | 3.999 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = | 8.000%# | | | |
| 62) 4-Bromofluorobenzene | 11.067 | 95 | 11429 | 4.042 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = | 8.080%# | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 7219 | 5.194 | ug/l | | 93 |
| 3) Chloromethane | 1.300 | 50 | 7032 | 5.531 | ug/l | | 95 |
| 4) Vinyl Chloride | 1.380 | 62 | 6338 | 5.341 | ug/l | | 98 |
| 5) Bromomethane | 1.611 | 94 | 4789 | 5.918 | ug/l | | 99 |
| 6) Chloroethane | 1.691 | 64 | 3610 | 5.085 | ug/l | | 99 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 12170 | 5.319 | ug/l | | 96 |
| 8) Diethyl Ether | 2.136 | 74 | 3283 | 5.035 | ug/l | | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 7656 | 5.264 | ug/l | | 92 |
| 10) Methyl Iodide | 2.453 | 142 | 7871 | 4.284 | ug/l | | 98 |
| 11) Tert butyl alcohol | 2.940 | 59 | 5994 | 33.503 | ug/l | # | 80 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 7107 | 4.991 | ug/l | | 91 |
| 13) Acrolein | 2.233 | 56 | 5456 | 27.637 | ug/l | | 96 |
| 14) Allyl chloride | 2.666 | 41 | 11531 | 4.839 | ug/l | | 96 |
| 15) Acrylonitrile | 3.062 | 53 | 16982 | 24.912 | ug/l | | 97 |
| 16) Acetone | 2.373 | 43 | 18141 | 27.636 | ug/l | | 100 |
| 17) Carbon Disulfide | 2.520 | 76 | 23369 | 5.270 | ug/l | | 96 |
| 18) Methyl Acetate | 2.703 | 43 | 6418 | 4.639 | ug/l | | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 22931 | 4.663 | ug/l | | 97 |
| 20) Methylene Chloride | 2.788 | 84 | 8228 | 5.163 | ug/l | # | 81 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 8343 | 5.393 | ug/l | | 94 |
| 22) Diisopropyl ether | 3.757 | 45 | 23533 | 4.984 | ug/l | # | 97 |
| 23) Vinyl Acetate | 3.721 | 43 | 91771 | 24.336 | ug/l | # | 90 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 14582 | 5.126 | ug/l | # | 97 |
| 25) 2-Butanone | 4.550 | 43 | 21808 | 26.293 | ug/l | # | 89 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 13077 | 5.066 | ug/l | | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 9312 | 5.084 | ug/l | | 96 |
| 28) Bromochloromethane | 4.885 | 49 | 6488 | 5.474 | ug/l | # | 89 |
| 29) Tetrahydrofuran | 4.995 | 42 | 12637 | 25.353 | ug/l | | 98 |
| 30) Chloroform | 5.086 | 83 | 15814 | 5.159 | ug/l | | 96 |
| 31) Cyclohexane | 5.458 | 56 | 11661 | 4.943 | ug/l | | 98 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 14399 | 5.115 | ug/l | | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 10855 | 5.001 | ug/l | | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 9058m | 4.970 | ug/l | | |
| 38) Carbon Tetrachloride | 5.672 | 117 | 14225 | 5.323 | ug/l | # | 81 |
| 39) Methylcyclohexane | 7.366 | 83 | 13491 | 5.318 | ug/l | | 97 |
| 40) Benzene | 6.031 | 78 | 32115 | 5.103 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048236.D
Acq On : 20 Oct 2025 13:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 20 14:07:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 13:10:39 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 4538m | 4.817 ug/l | | |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 11412 | 4.870 ug/l | | 100 |
| 43) Isopropyl Acetate | 6.330 | 43 | 13996 | 4.656 ug/l | # | 93 |
| 44) Trichloroethene | 7.110 | 130 | 8373 | 5.009 ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 7709 | 5.129 ug/l | | 99 |
| 46) Dibromomethane | 7.568 | 93 | 6041 | 5.181 ug/l | | 91 |
| 47) Bromodichloromethane | 7.811 | 83 | 12974 | 5.126 ug/l | | 97 |
| 48) Methyl methacrylate | 7.683 | 41 | 6863 | 4.542 ug/l | | 94 |
| 49) 1,4-Dioxane | 7.659 | 88 | 2020 | 103.402 ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 42725 | 24.936 ug/l | | 97 |
| 52) Toluene | 8.708 | 92 | 21137 | 5.296 ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 12015 | 4.914 ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 12702 | 4.820 ug/l | | 90 |
| 55) 1,1,2-Trichloroethane | 9.140 | 97 | 8113 | 5.453 ug/l | | 91 |
| 56) Ethyl methacrylate | 9.104 | 69 | 10320 | 4.713 ug/l | | 94 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 13087 | 5.112 ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.232 | 63 | 20764 | 19.525 ug/l | | 98 |
| 59) 2-Hexanone | 9.415 | 43 | 30949 | 25.896 ug/l | | 96 |
| 60) Dibromochloromethane | 9.506 | 129 | 10082 | 5.028 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 8079 | 5.075 ug/l | | 100 |
| 64) Tetrachloroethene | 9.256 | 164 | 8020 | 5.341 ug/l | | 92 |
| 65) Chlorobenzene | 10.061 | 112 | 23873 | 5.236 ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 8450 | 5.012 ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 39121 | 5.044 ug/l | | 96 |
| 68) m/p-Xylenes | 10.287 | 106 | 30310 | 10.586 ug/l | | 97 |
| 69) o-Xylene | 10.628 | 106 | 14262 | 5.128 ug/l | | 98 |
| 70) Styrene | 10.640 | 104 | 24289 | 5.138 ug/l | | 98 |
| 71) Bromoform | 10.780 | 173 | 6766 | 5.031 ug/l | # | 96 |
| 73) Isopropylbenzene | 10.945 | 105 | 37935 | 5.082 ug/l | | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 12188 | 4.544 ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 10324 | 4.992 ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.225 | 75 | 8134m | 4.889 ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 9508 | 5.027 ug/l | | 94 |
| 78) n-propylbenzene | 11.286 | 91 | 44189 | 5.097 ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 26627 | 5.032 ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 30618 | 4.910 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 3038 | 4.387 ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 31357 | 5.017 ug/l | | 97 |
| 83) tert-Butylbenzene | 11.695 | 119 | 32297 | 5.086 ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 31709 | 5.129 ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 39113 | 5.118 ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 34155 | 5.185 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 18546 | 5.256 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 18787 | 5.081 ug/l | | 91 |
| 89) n-Butylbenzene | 12.317 | 91 | 30409 | 5.069 ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 6863 | 5.210 ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 16849 | 5.076 ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.926 | 75 | 1984 | 4.680 ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.573 | 180 | 10538 | 4.693 ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 5113 | 4.948 ug/l | | 96 |
| 95) Naphthalene | 13.756 | 128 | 26218 | 4.374 ug/l | | 98 |
| 96) 1,2,3-Trichlorobenzene | 13.944 | 180 | 10040 | 4.906 ug/l | | 97 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048236.D
Acq On : 20 Oct 2025 13:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 14:07:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 13:10:39 2025
Response via : Initial Calibration

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

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

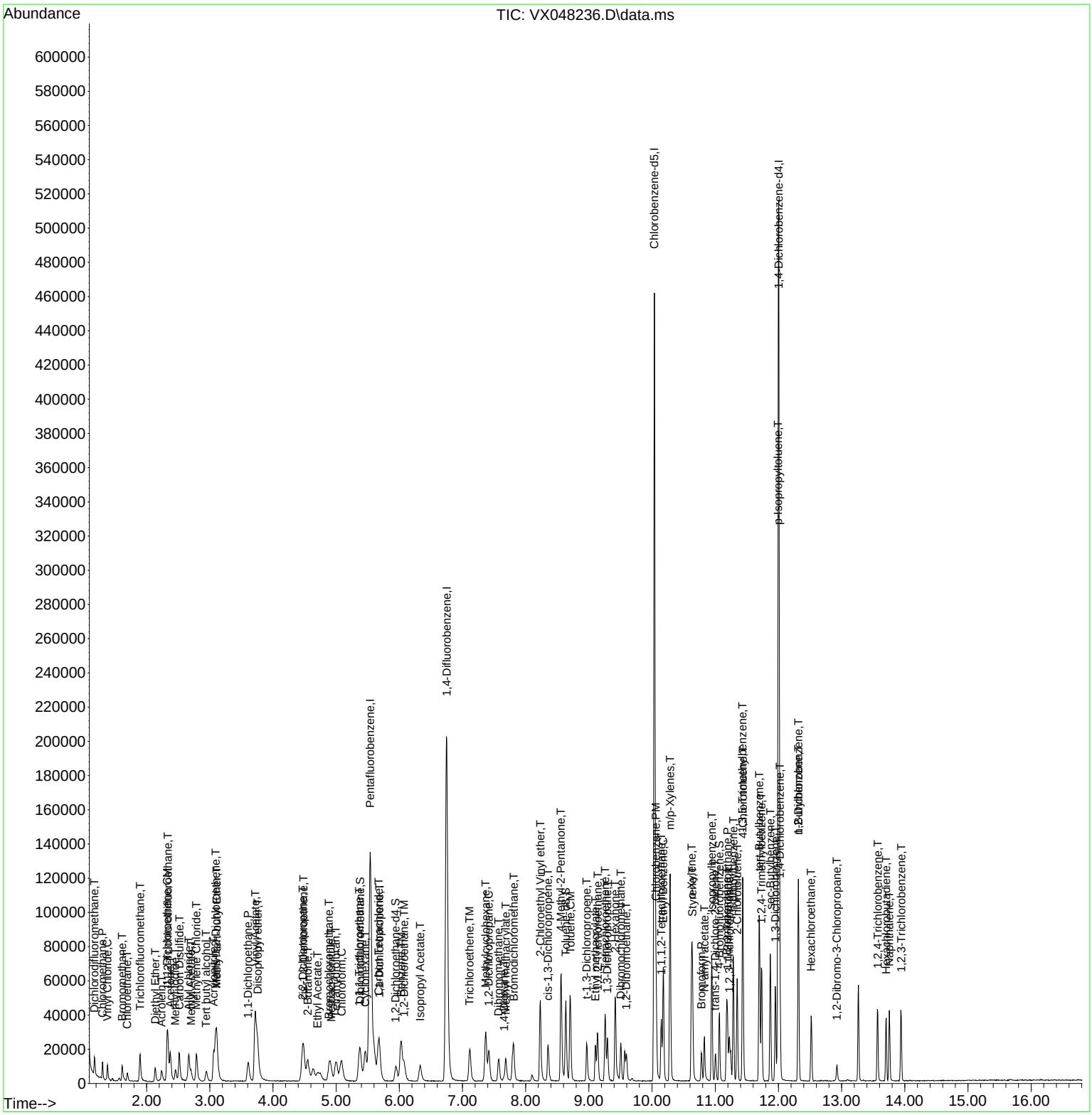
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Data File : VX048236.D
Acq On : 20 Oct 2025 13:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

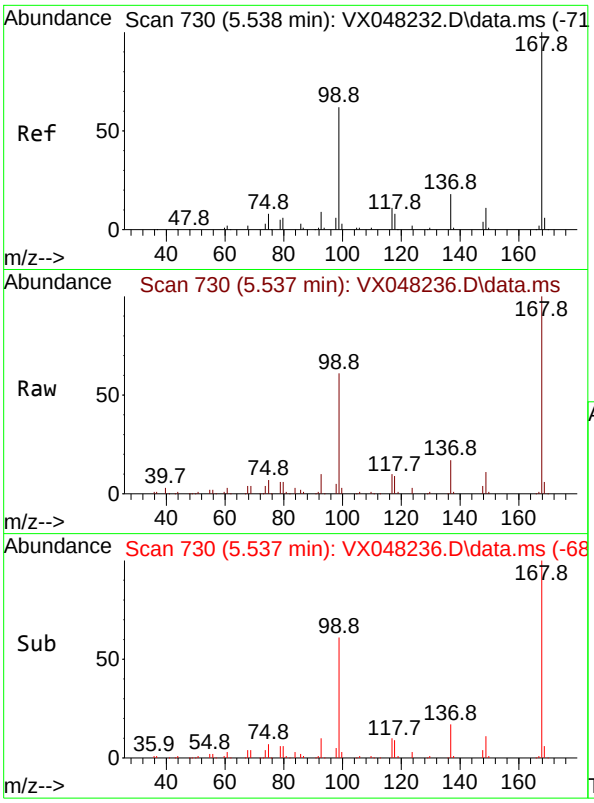
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Quant Title : SW846 8260
QLast Update : Mon Oct 20 13:10:39 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

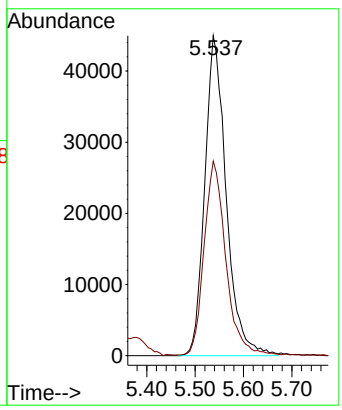





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:168 Resp: 13837

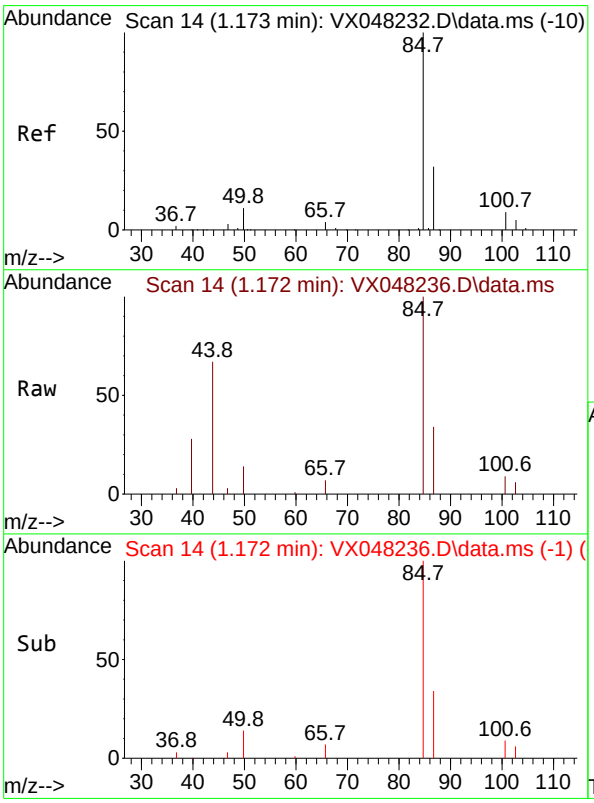
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.5 | 46.4 | 69.6 |




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

**Manual Integrations**
**APPROVED**

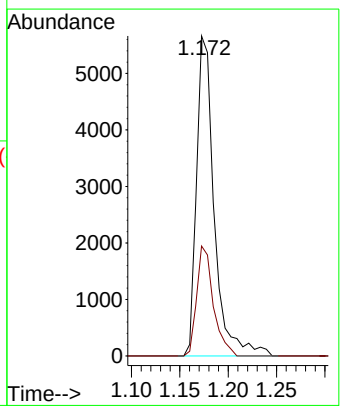
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

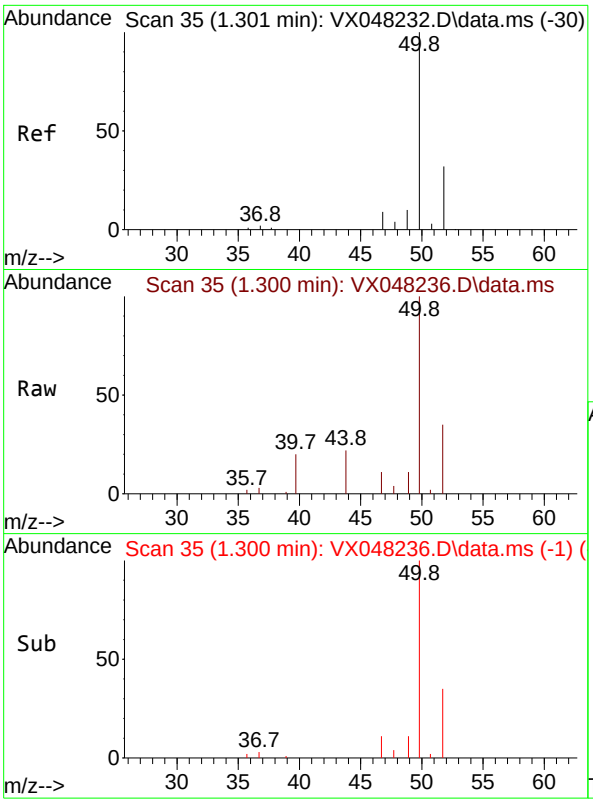



#2
Dichlorodifluoromethane
Concen: 5.194 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 85 Resp: 7219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 34.3 | 15.3 | 45.9 |

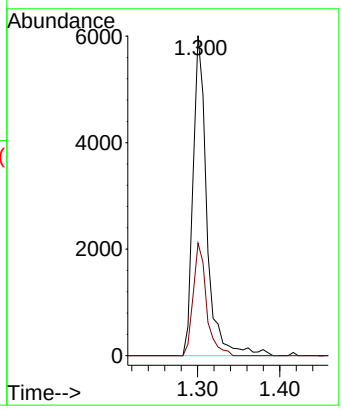





#3
Chloromethane
Concen: 5.531 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 50 Resp: 703

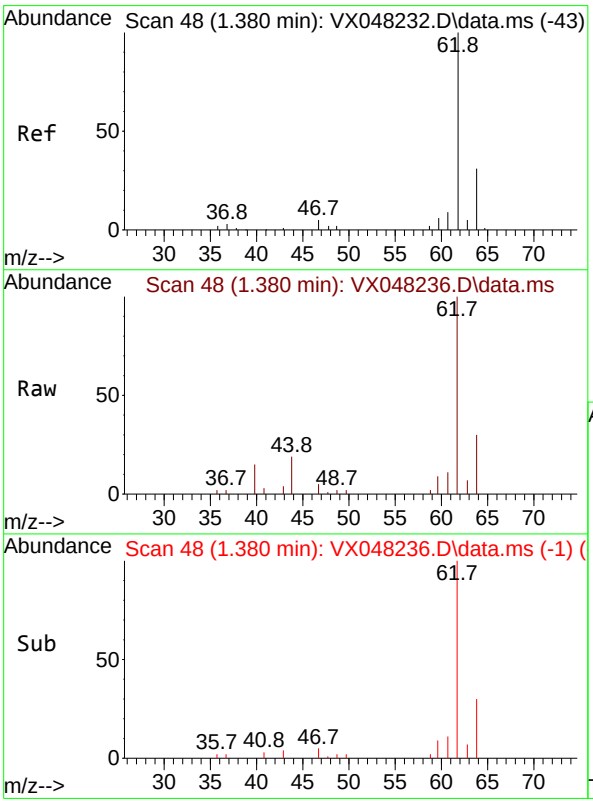
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 35.2 | 25.9 | 38.9 |




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

**Manual Integrations**
**APPROVED**

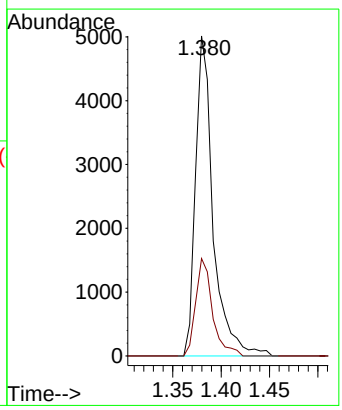
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

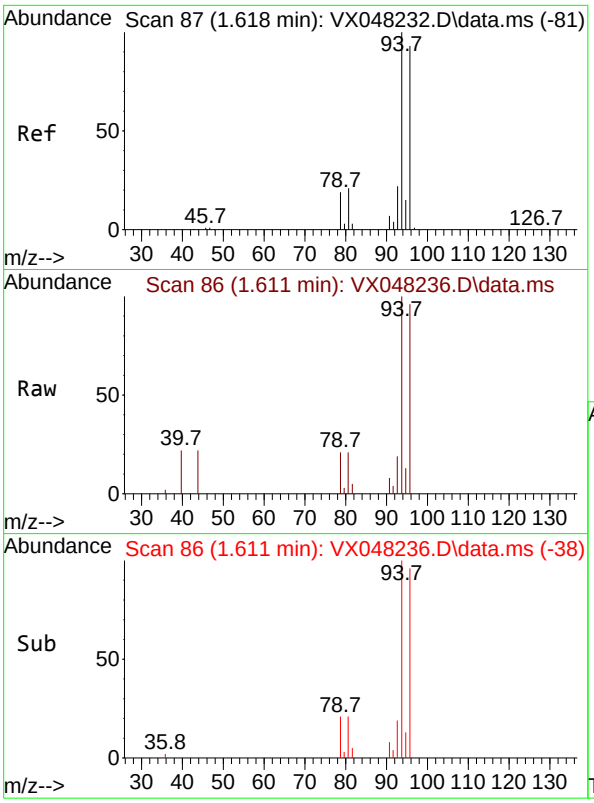



#4
Vinyl Chloride
Concen: 5.341 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 62 Resp: 6338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.5 | 25.1 | 37.7 |

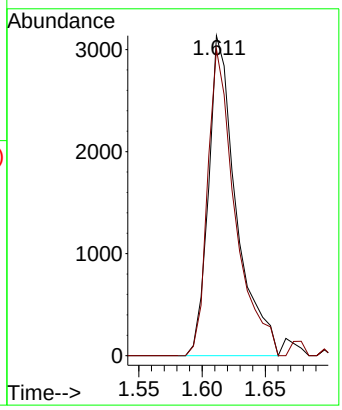





#5
Bromomethane
Concen: 5.918 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 94 Resp: 478

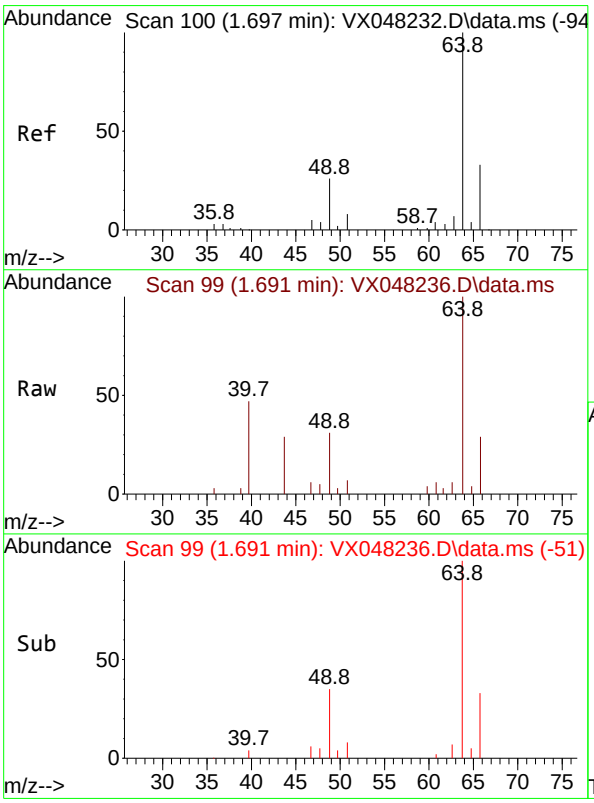
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.8 | 76.0 | 114.0 |




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

**Manual Integrations**
**APPROVED**

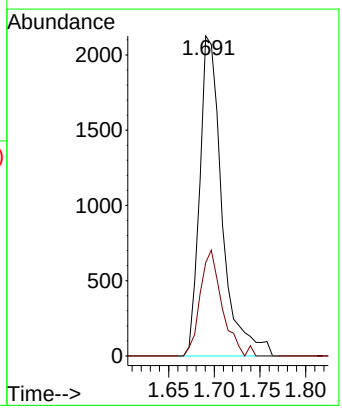
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

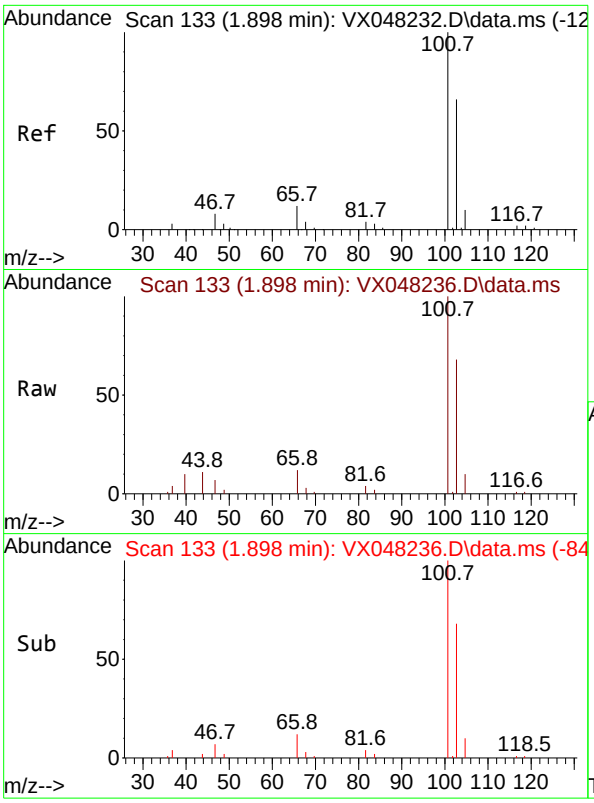



#6
Chloroethane
Concen: 5.085 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 64 Resp: 3610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 29.2 | 23.9 | 35.9 |

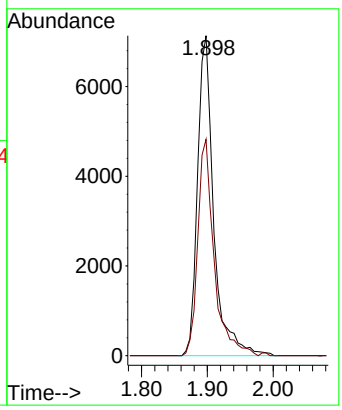





#7
Trichlorofluoromethane
Concen: 5.319 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:101 Resp: 1217

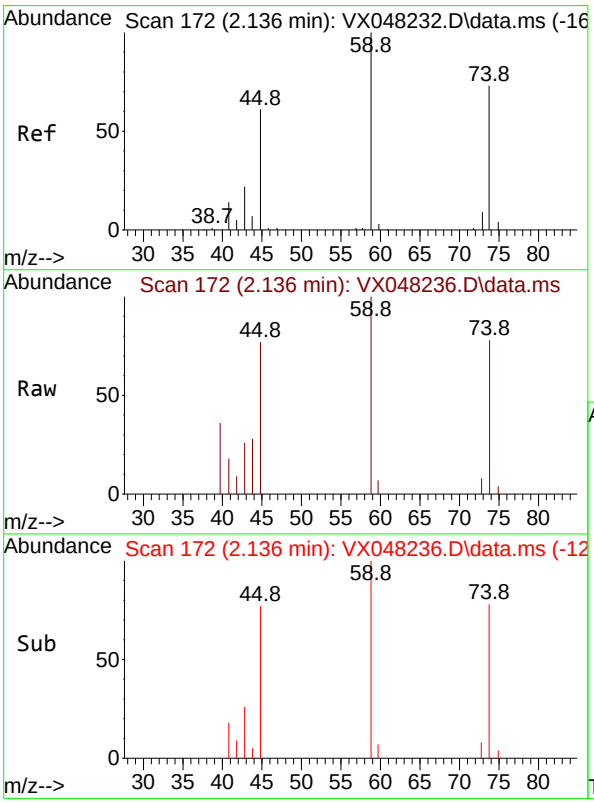
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.6 | 51.6 | 77.4 |




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

**Manual Integrations**
**APPROVED**

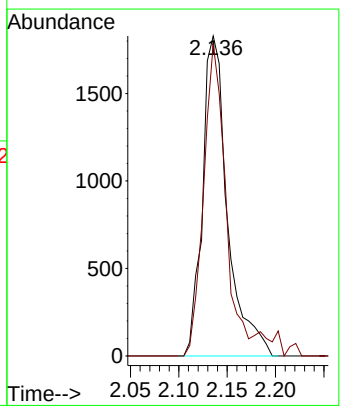
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

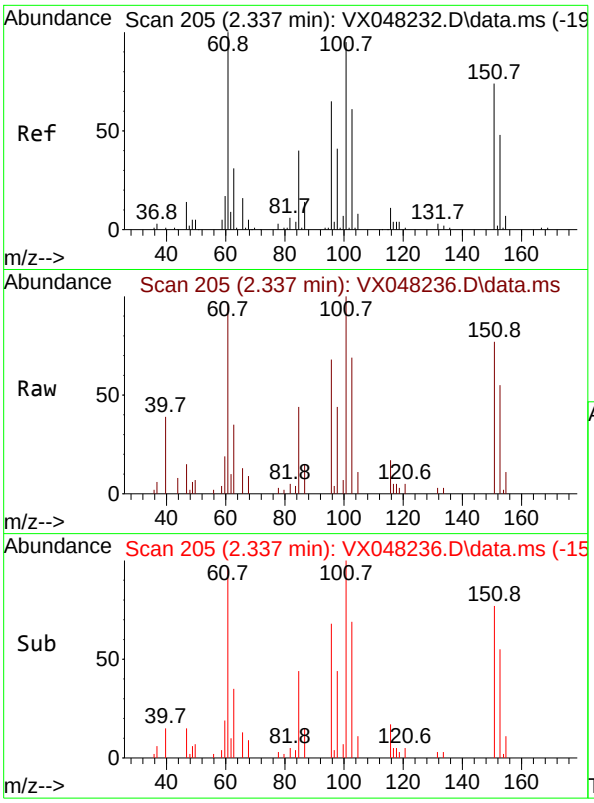



#8
Diethyl Ether
Concen: 5.035 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 74 Resp: 3283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 86.7 | 50.0 | 149.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.264 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

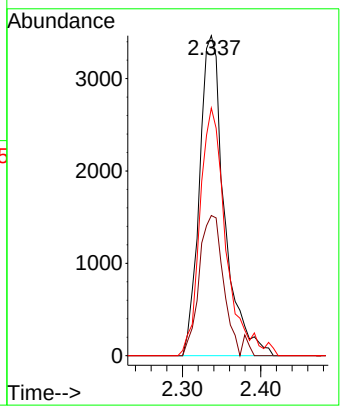
Tgt Ion:101 Resp: 765

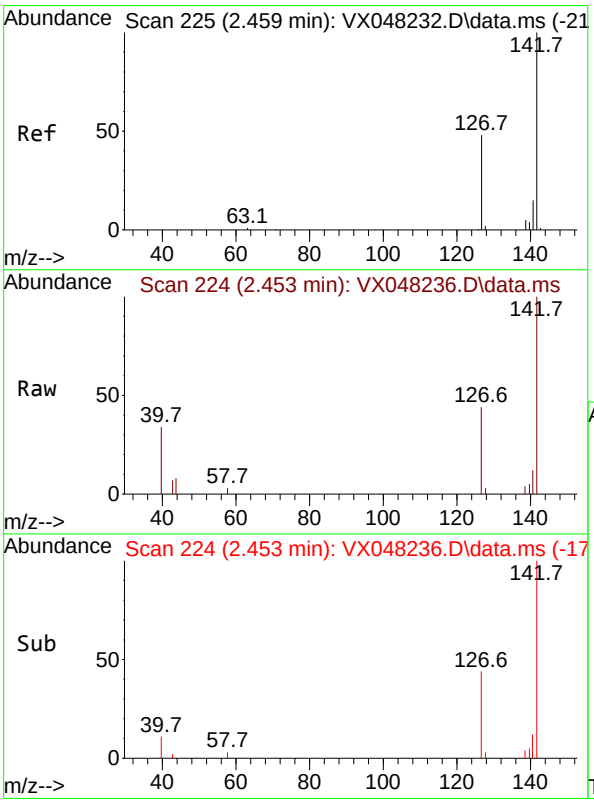
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.4 | 35.6 | 53.4 |
| 151 | 81.0 | 58.0 | 87.0 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

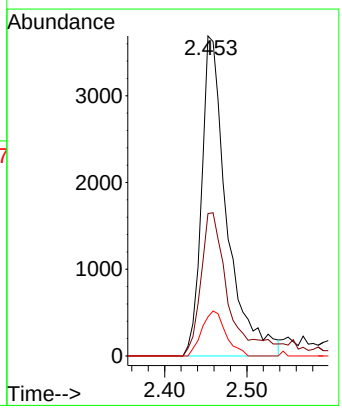


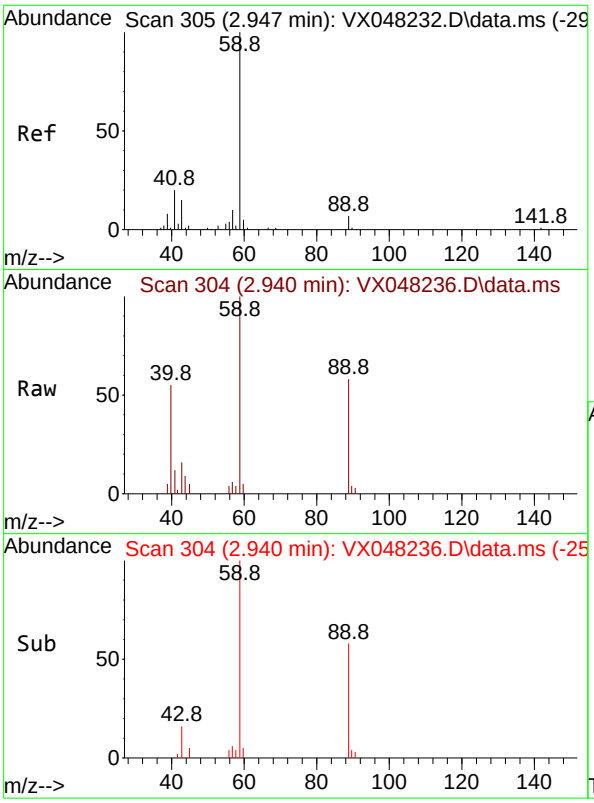




#10
Methyl Iodide
Concen: 4.284 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:142 Resp: 7871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.9 | 38.5 | 57.7 |
| 141 | 13.3 | 11.6 | 17.4 |






#11
Tert butyl alcohol
Concen: 33.503 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

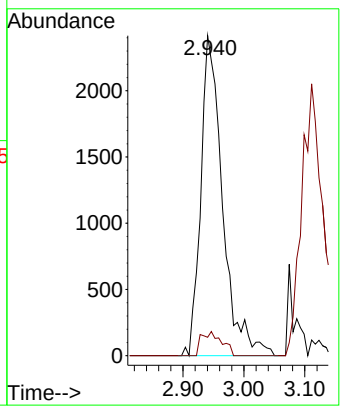
Tgt Ion: 59 Resp: 599

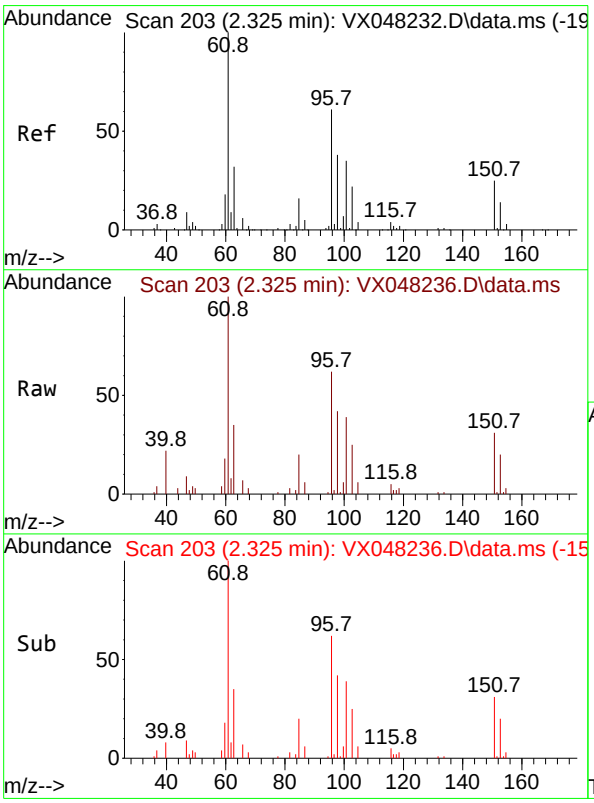
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 2.8 | 8.2 | 12.4 |

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

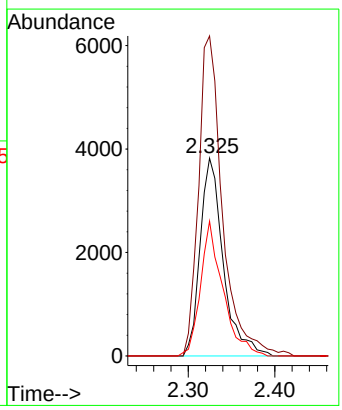


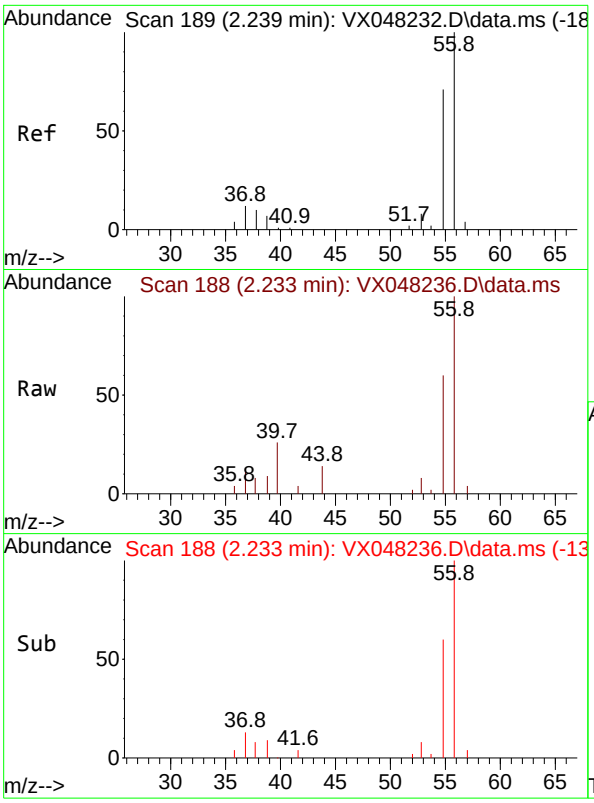




#12
1,1-Dichloroethene
Concen: 4.991 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 96 Resp: 7107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.9 | 139.0 | 208.6 |
| 98 | 66.1 | 52.4 | 78.6 |

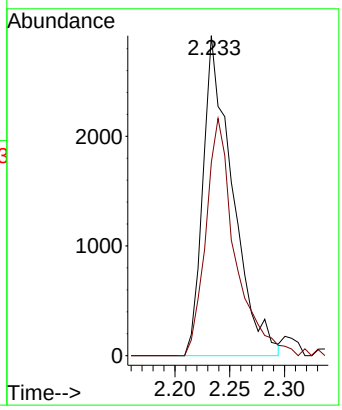





#13
Acrolein
Concen: 27.637 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 56 Resp: 545

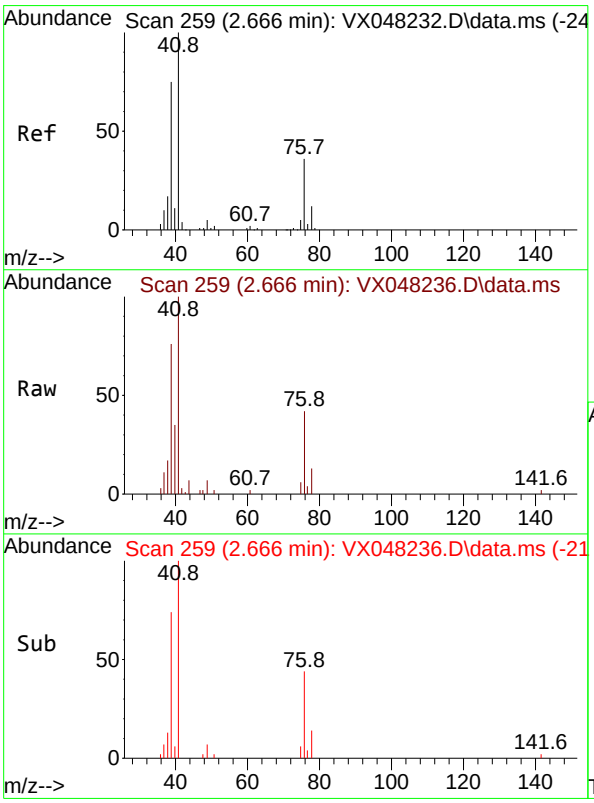
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 73.7 | 56.1 | 84.1 |




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

**Manual Integrations APPROVED**

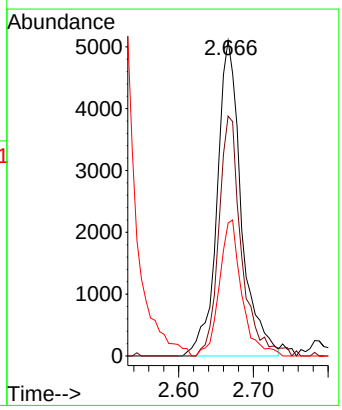
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

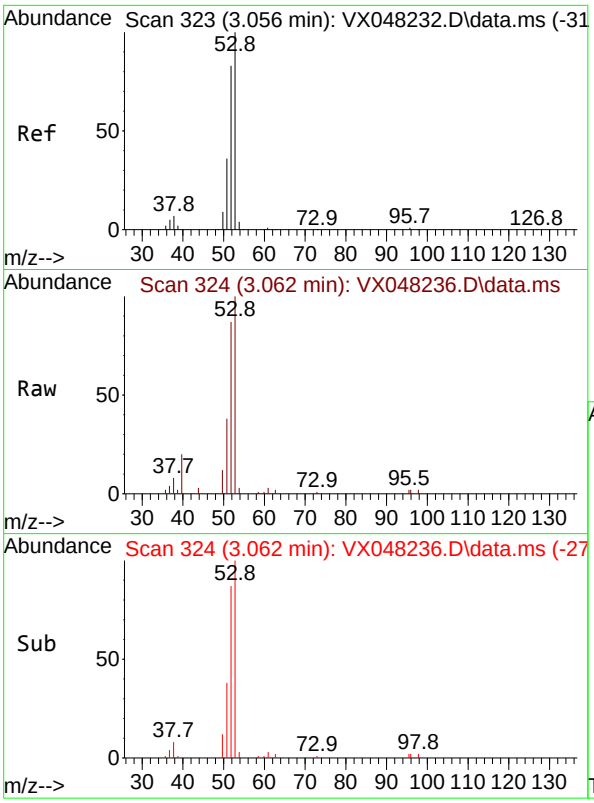



#14
Allyl chloride
Concen: 4.839 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 41 Resp: 11531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.2 | 56.0 | 84.0 |
| 76 | 39.7 | 27.5 | 41.3 |

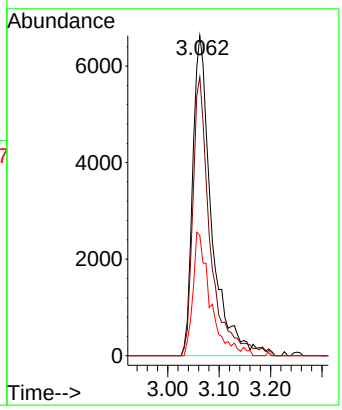





#15
Acrylonitrile
Concen: 24.912 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 53 Resp: 1698

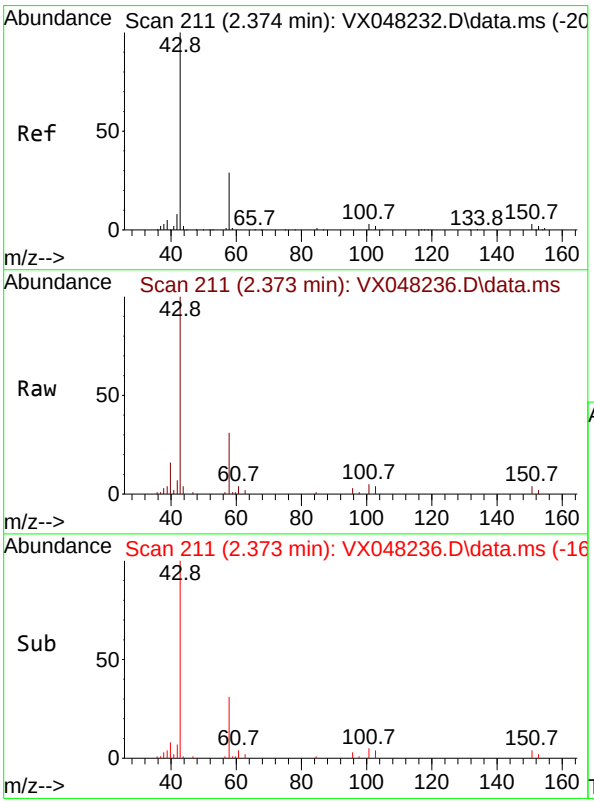
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.1 | 66.1 | 99.1 |
| 51 | 34.9 | 29.0 | 43.4 |




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

**Manual Integrations APPROVED**

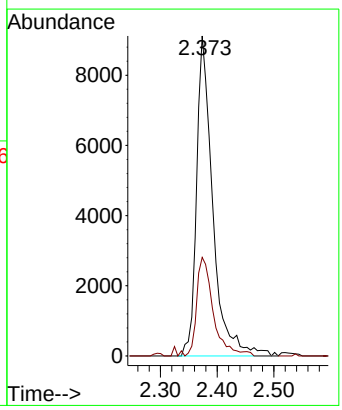
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

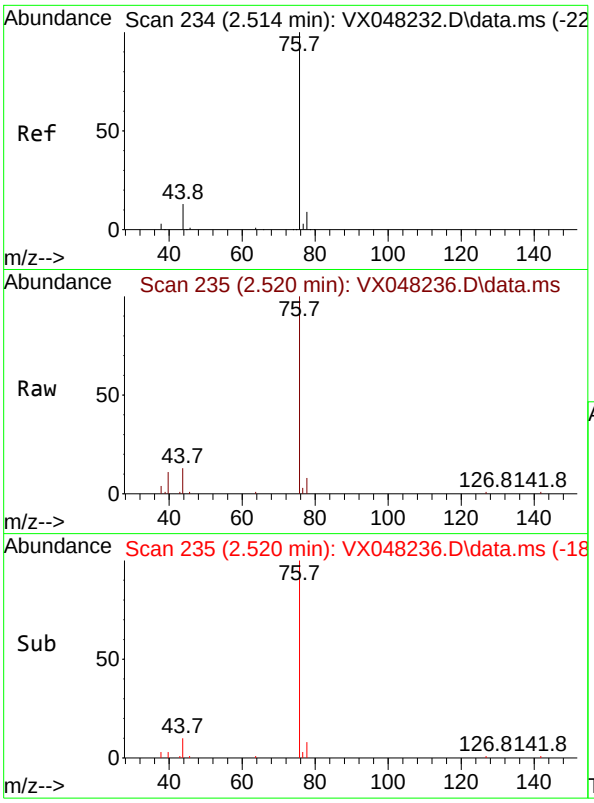



#16
Acetone
Concen: 27.636 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 43 Resp: 18141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.5 | 23.4 | 35.2 |

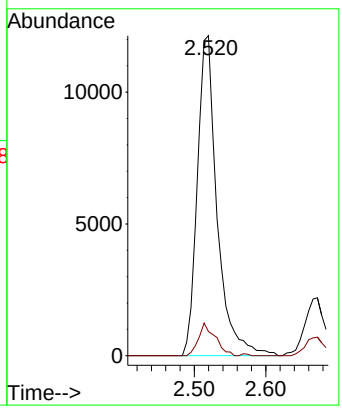





#17
Carbon Disulfide
Concen: 5.270 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 76 Resp: 2336

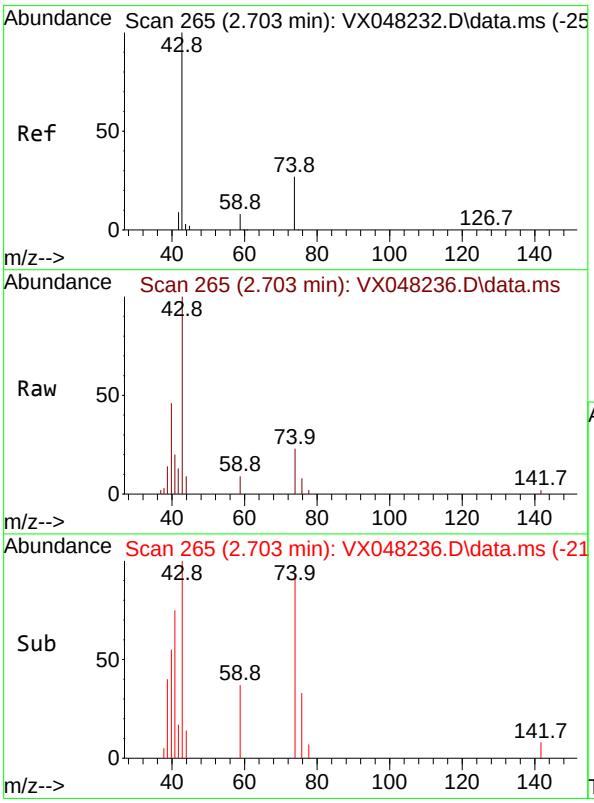
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 7.3 | 7.1 | 10.7 |




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

**Manual Integrations**
**APPROVED**

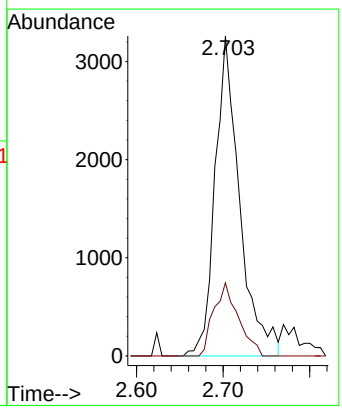
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

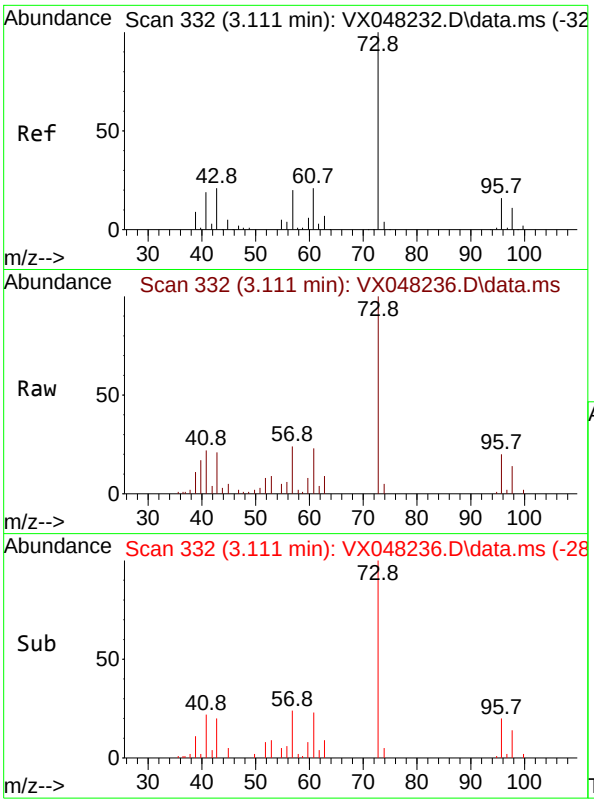



#18
Methyl Acetate
Concen: 4.639 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 43 Resp: 6418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.0 | 17.5 | 26.3 |

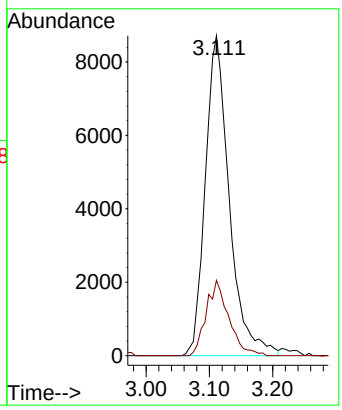





#19
Methyl tert-butyl Ether
Concen: 4.663 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 73 Resp: 2293

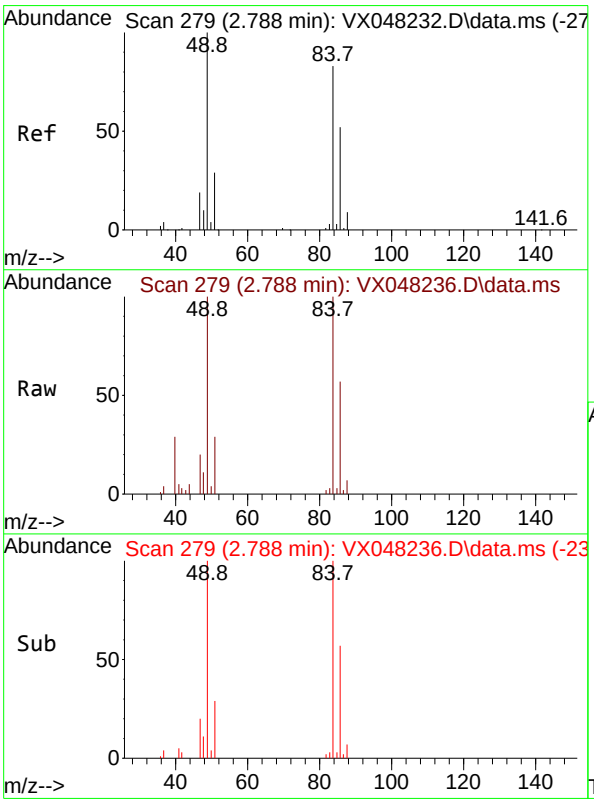
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.6 | 17.7 | 26.5 |




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

**Manual Integrations**
**APPROVED**

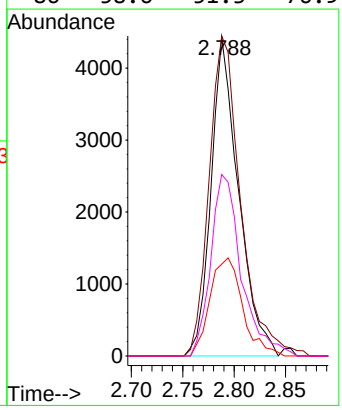
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

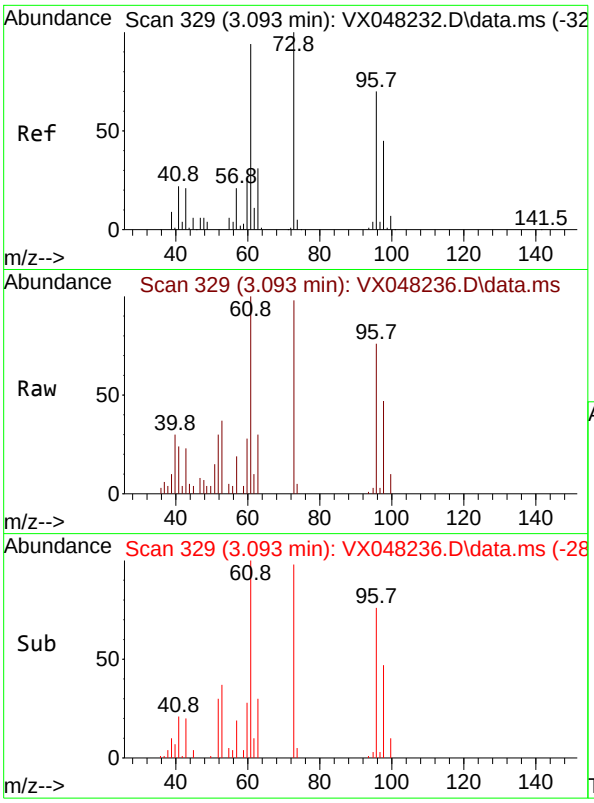



#20
Methylene Chloride
Concen: 5.163 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 84 Resp: 8228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 100.4 | 104.1 | 156.1# |
| 51 | 28.8 | 31.3 | 46.9# |
| 86 | 58.6 | 51.3 | 76.9 |

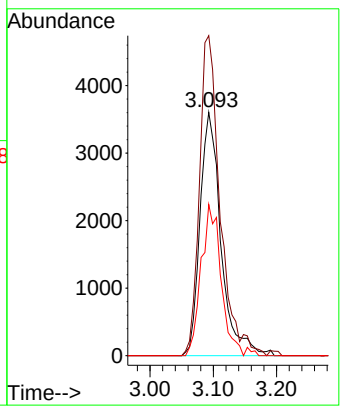





#21
trans-1,2-Dichloroethene
Concen: 5.393 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 96 Resp: 834

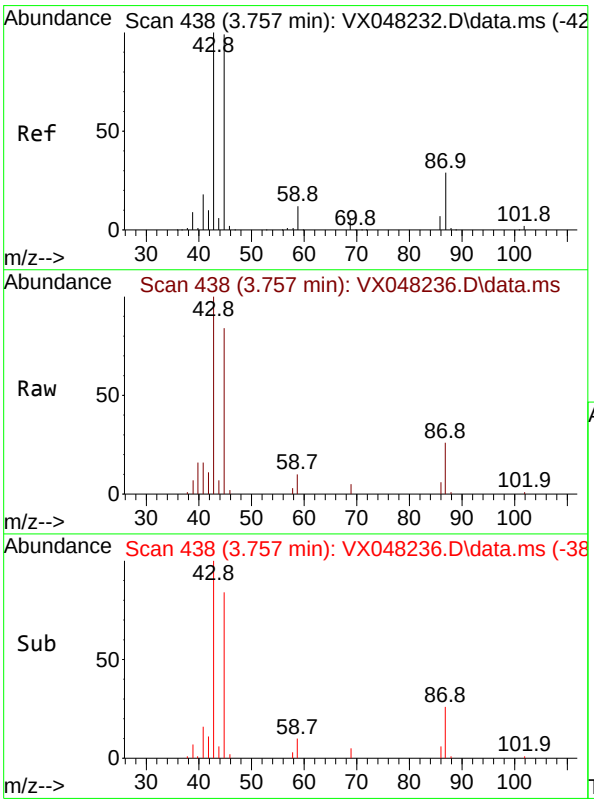
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 131.5 | 111.9 | 167.9 |
| 98 | 62.1 | 51.2 | 76.8 |




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

**Manual Integrations**
**APPROVED**

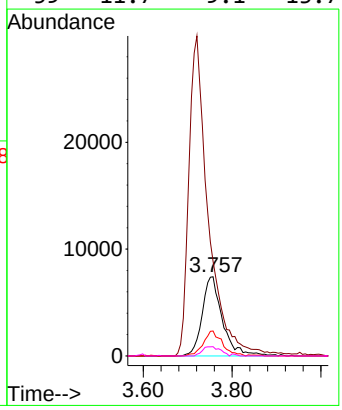
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

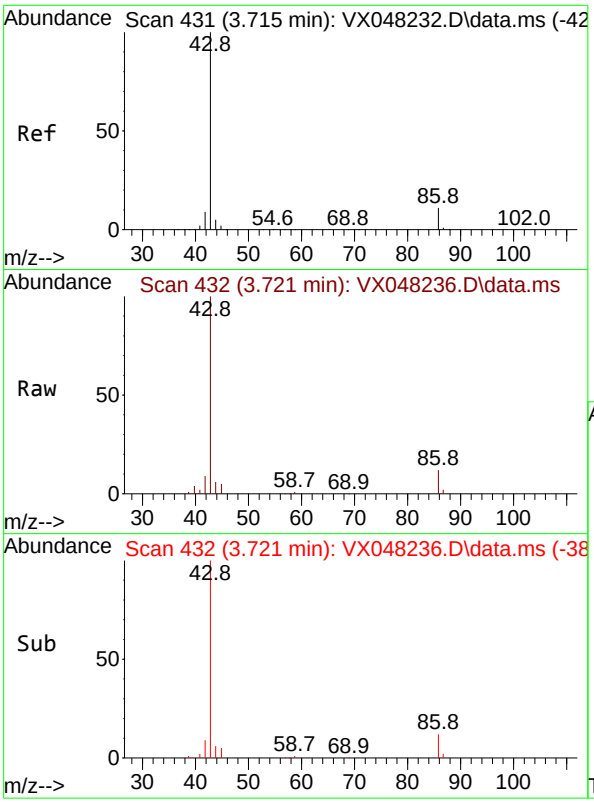



#22
Diisopropyl ether
Concen: 4.984 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 45 Resp: 23533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 113.3 | 89.8 | 134.8 |
| 87 | 31.5 | 20.6 | 31.0# |
| 59 | 11.7 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 24.336 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

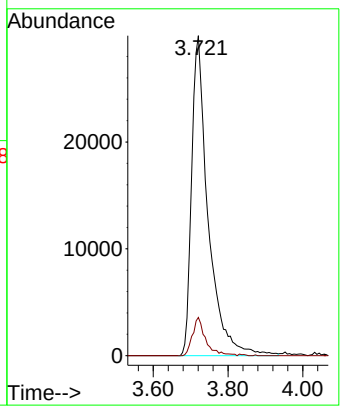
Tgt Ion: 43 Resp: 9177

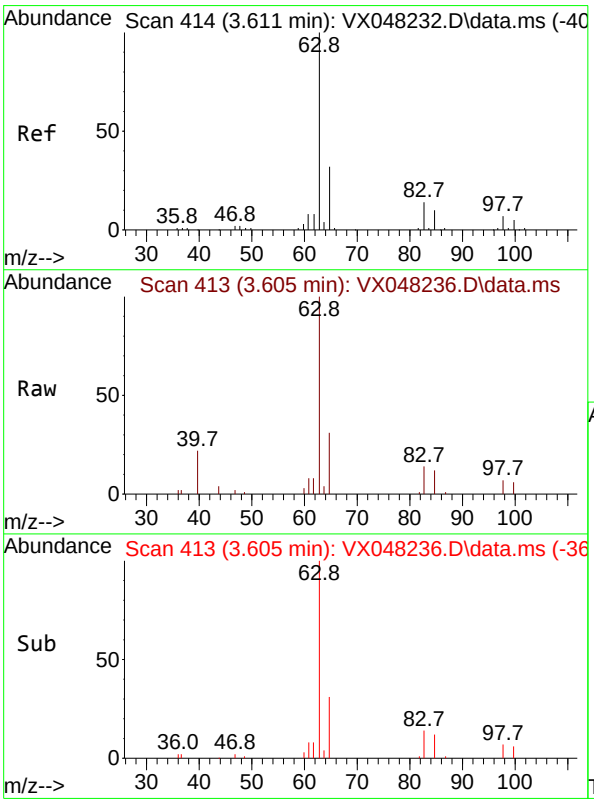
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 13.5 | 7.9 | 11.9# |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

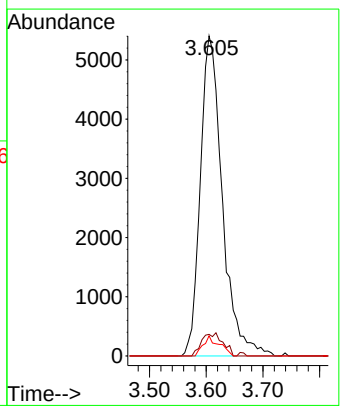


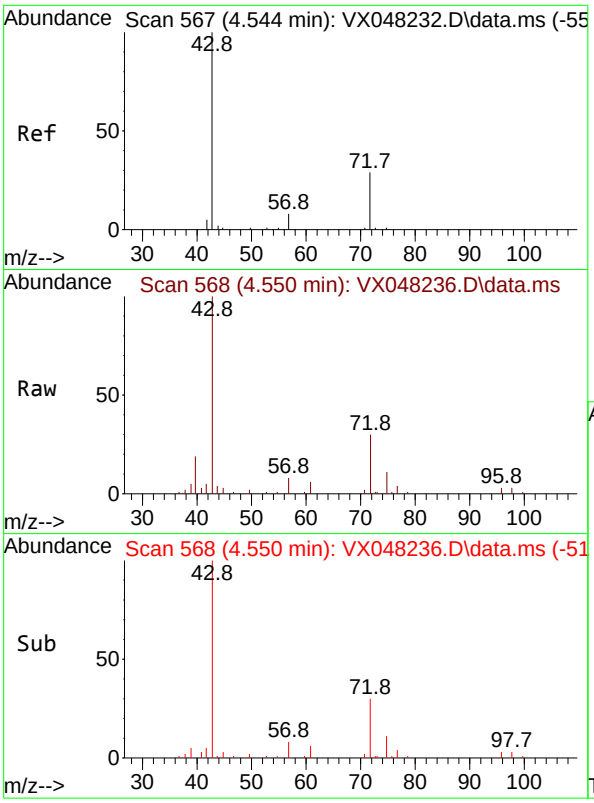




#24
1,1-Dichloroethane
Concen: 5.126 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 63 Resp: 14582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.5 | 10.6 |
| 100 | 6.3 | 2.1 | 6.3# |






#25
2-Butanone
Concen: 26.293 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

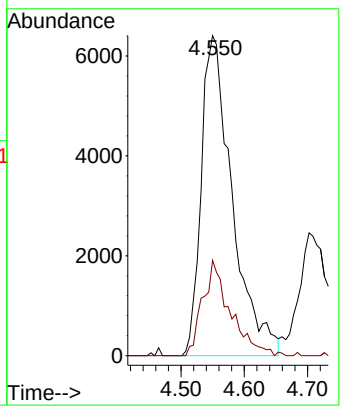
Tgt Ion: 43 Resp: 2180

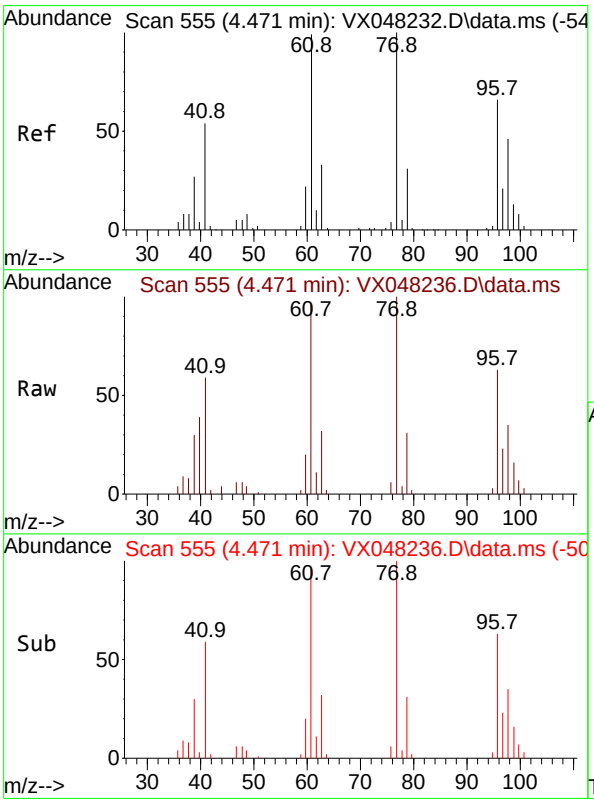
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 30.6 | 19.9 | 29.9 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

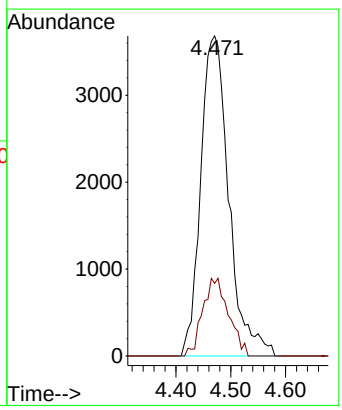


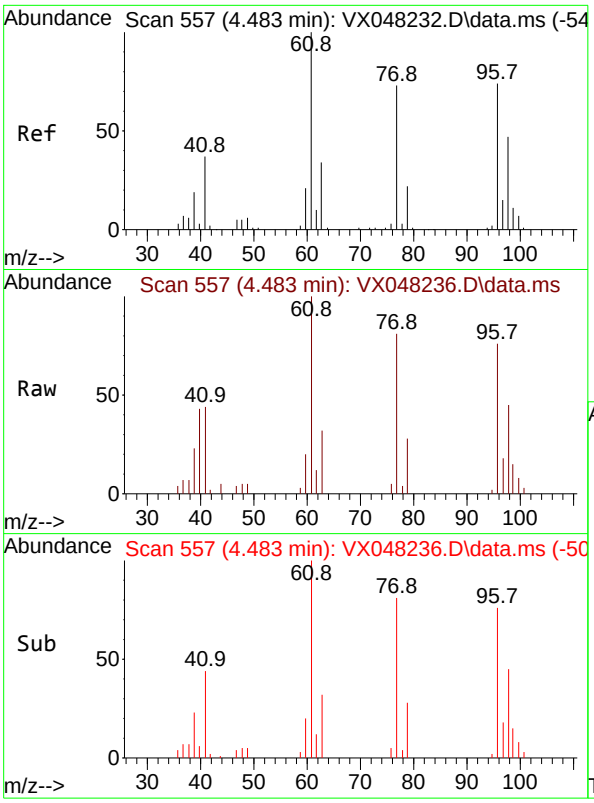




#26
2,2-Dichloropropane
Concen: 5.066 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 77 Resp: 13077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.5 | 11.1 | 33.3 |

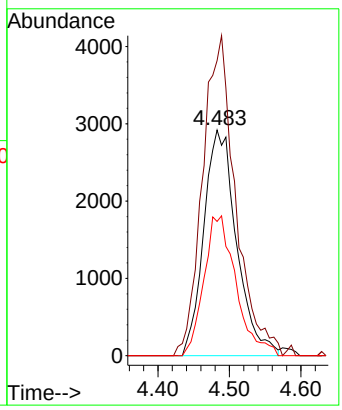





#27
cis-1,2-Dichloroethene
Concen: 5.084 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 96 Resp: 931

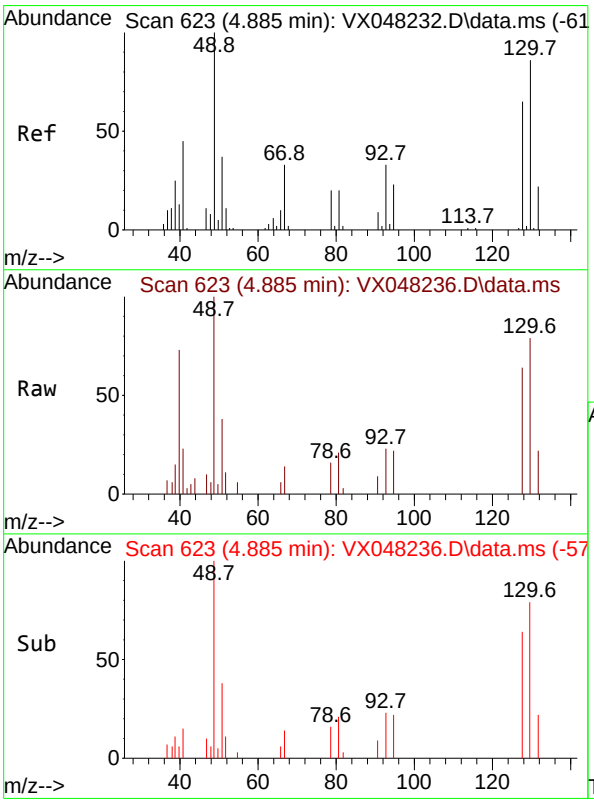
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.5 | 0.0 | 294.2 |
| 98 | 60.5 | 0.0 | 128.4 |




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

**Manual Integrations**
**APPROVED**

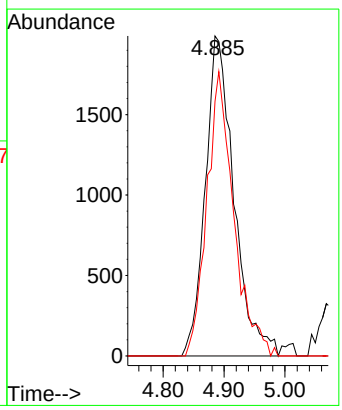
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

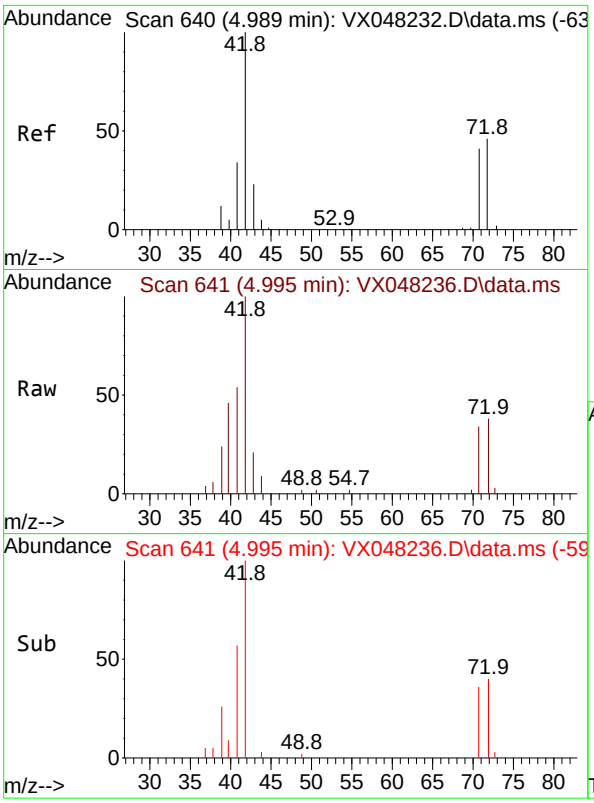



#28
Bromochloromethane
Concen: 5.474 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 49 Resp: 6488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.4 |
| 130 | 83.5 | 59.3 | 88.9 |






#29
Tetrahydrofuran
Concen: 25.353 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

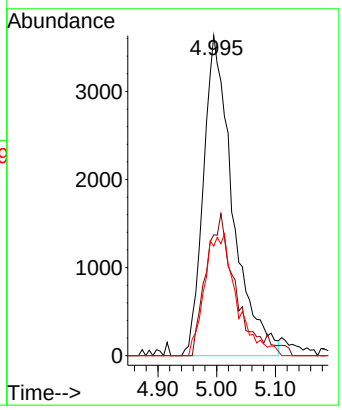
Tgt Ion: 42 Resp: 1263

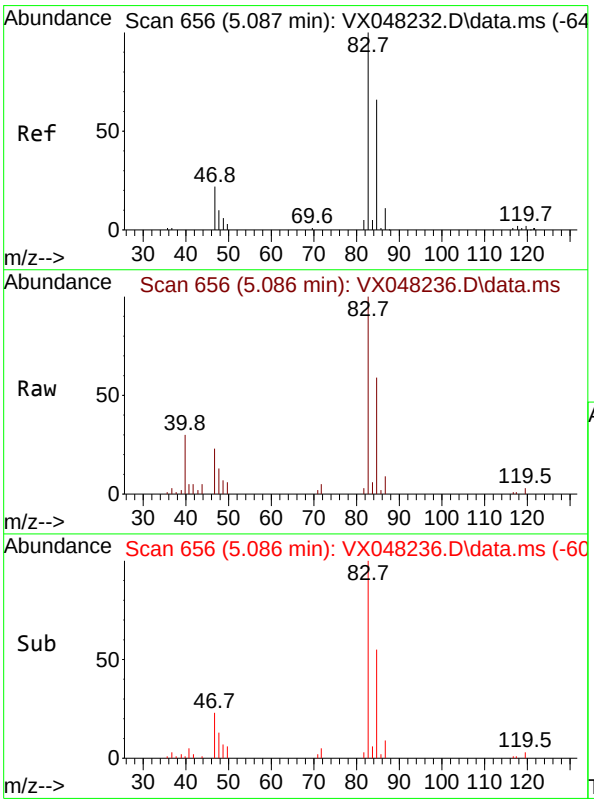
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.5 | 35.3 | 52.9 |
| 71 | 41.3 | 32.2 | 48.4 |

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

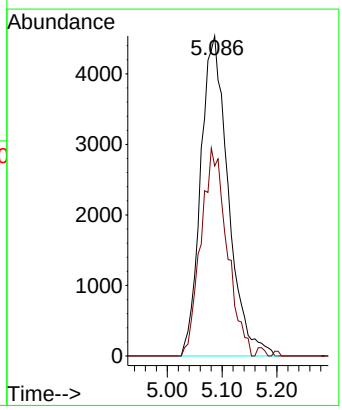


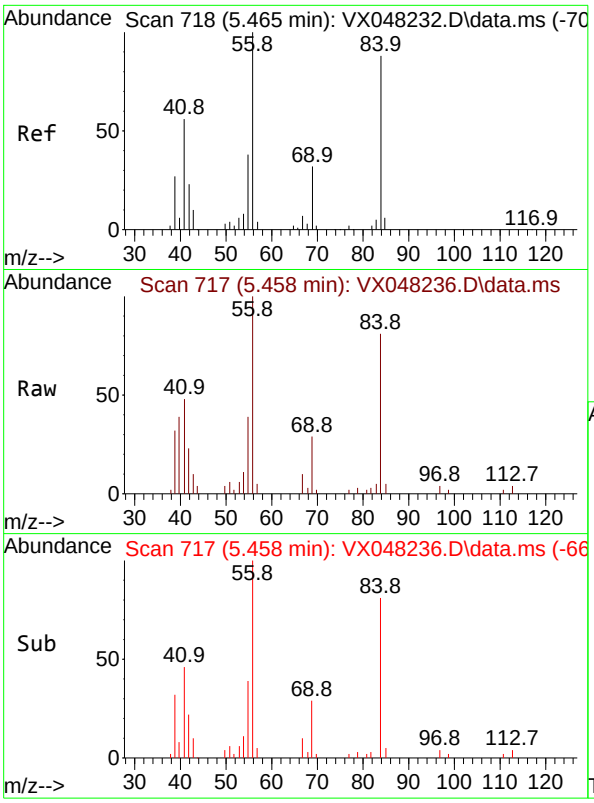




#30
Chloroform
Concen: 5.159 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 83 Resp: 15814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 59.4 | 50.1 | 75.1 |

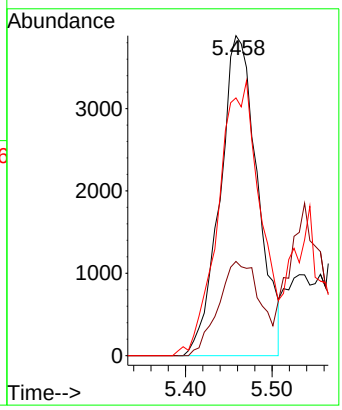





#31
Cyclohexane
Concen: 4.943 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 56 Resp: 1166

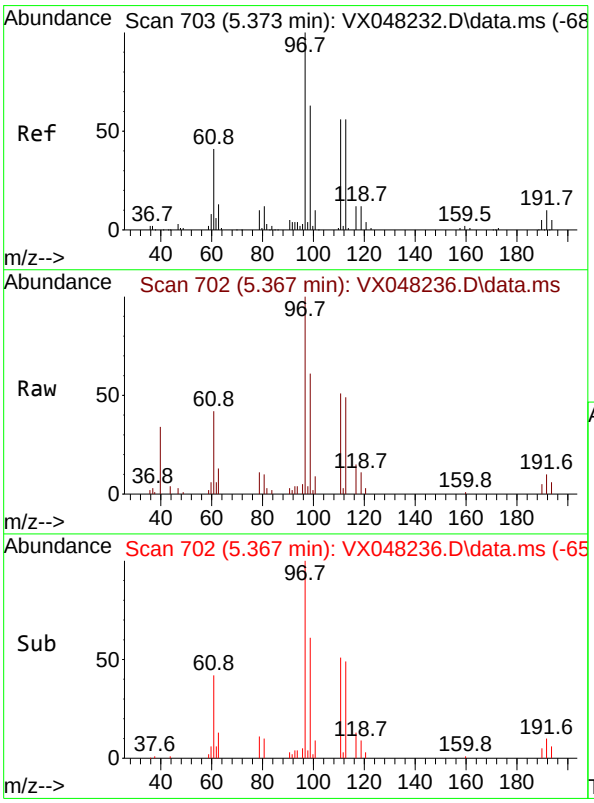
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.4 | 23.0 | 34.6 |
| 84 | 79.1 | 64.6 | 97.0 |




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

**Manual Integrations APPROVED**

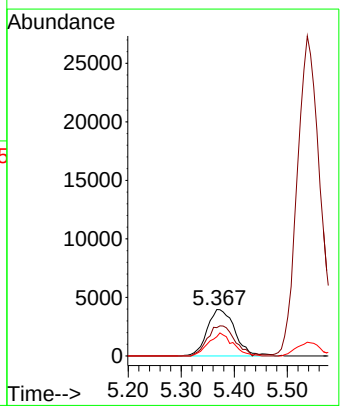
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

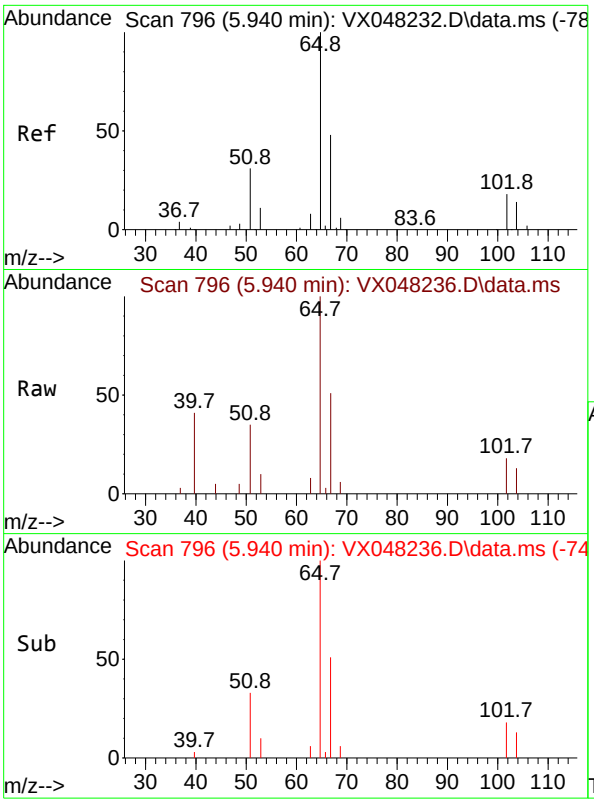



#32
1,1,1-Trichloroethane
Concen: 5.115 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 97 Resp: 14399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.0 | 51.7 | 77.5 |
| 61 | 42.8 | 34.8 | 52.2 |

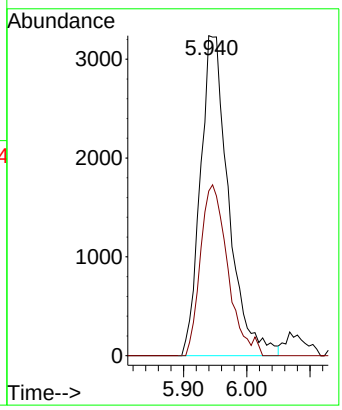





#33
1,2-Dichloroethane-d4
Concen: 4.008 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 65 Resp: 1003

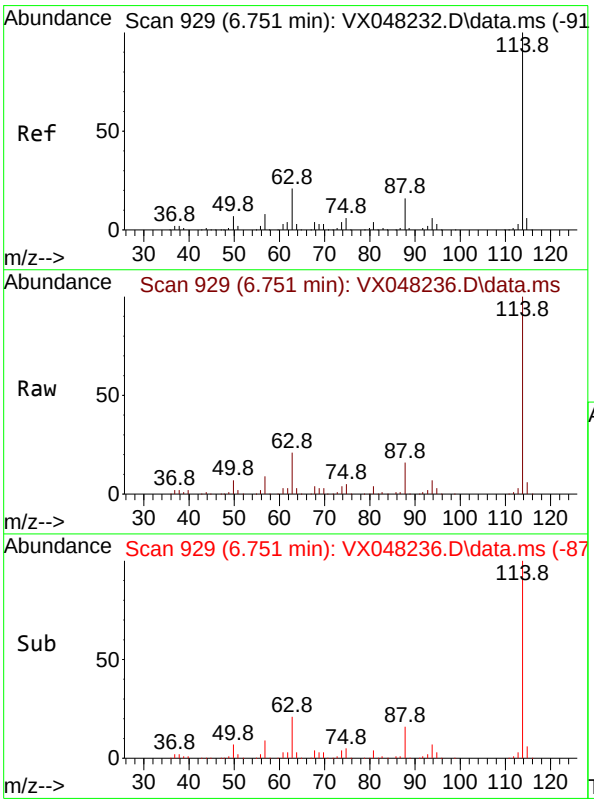
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 105.0 |




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

**Manual Integrations**
**APPROVED**

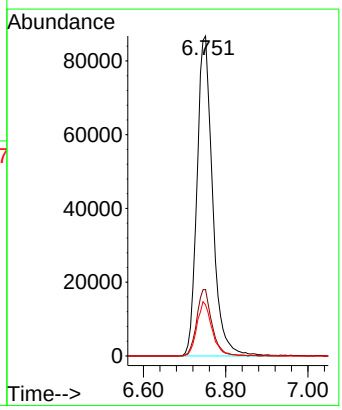
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

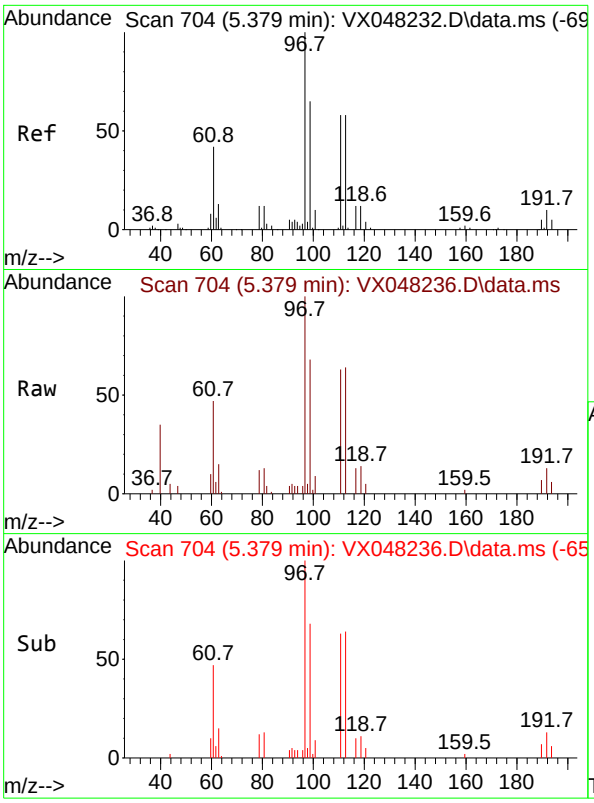



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:114 Resp: 228619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 43.2 |
| 88 | 15.9 | 0.0 | 33.6 |

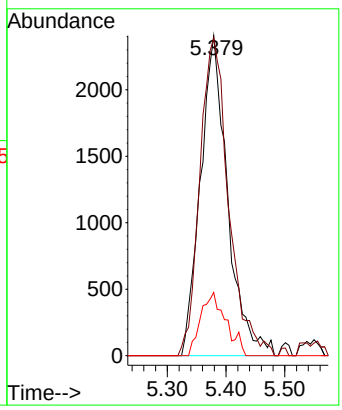





#35
Dibromofluoromethane
Concen: 3.839 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:113 Resp: 773

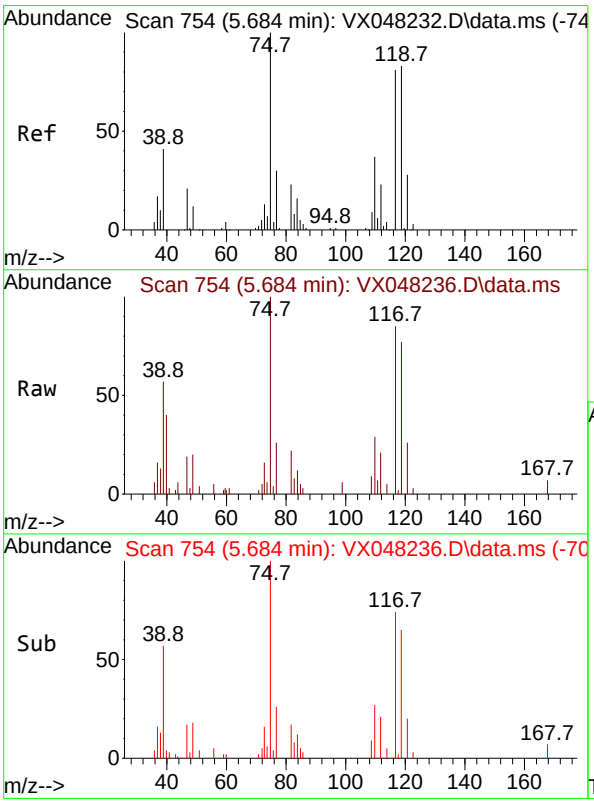
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.9 | 82.2 | 123.4 |
| 192 | 18.3 | 15.1 | 22.7 |




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

**Manual Integrations**
**APPROVED**

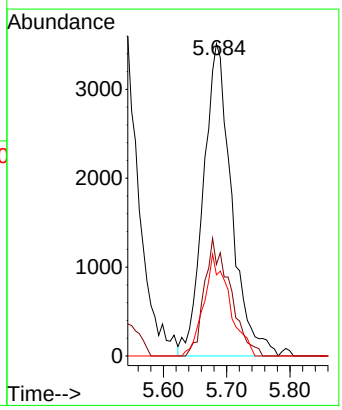
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

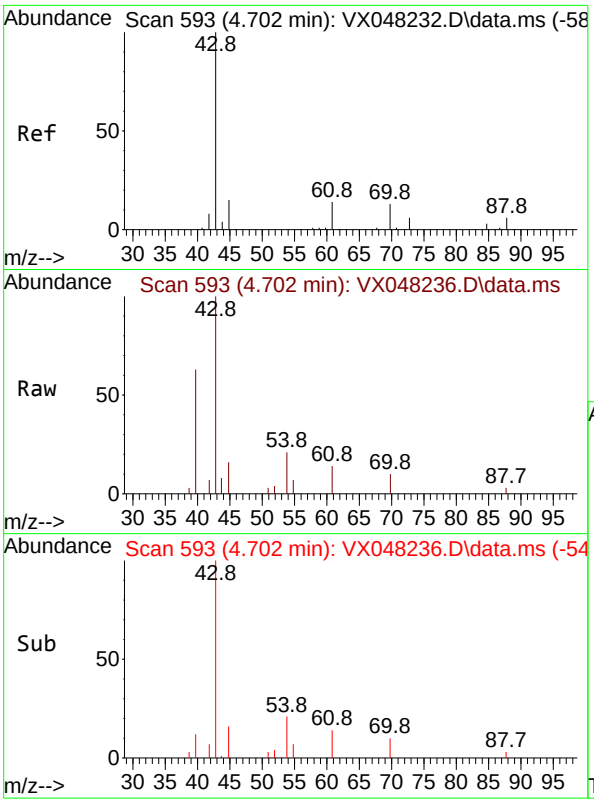



#36
1,1-Dichloropropene
Concen: 5.001 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 10855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 17.7 | 53.1 |
| 77 | 29.5 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 4.970 ug/l m
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

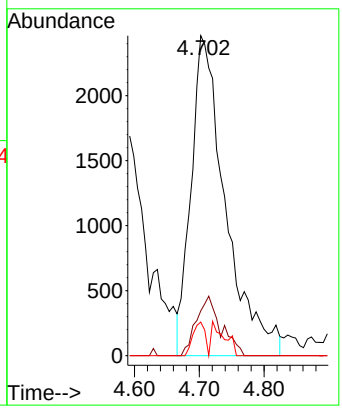
Tgt Ion: 43 Resp: 905

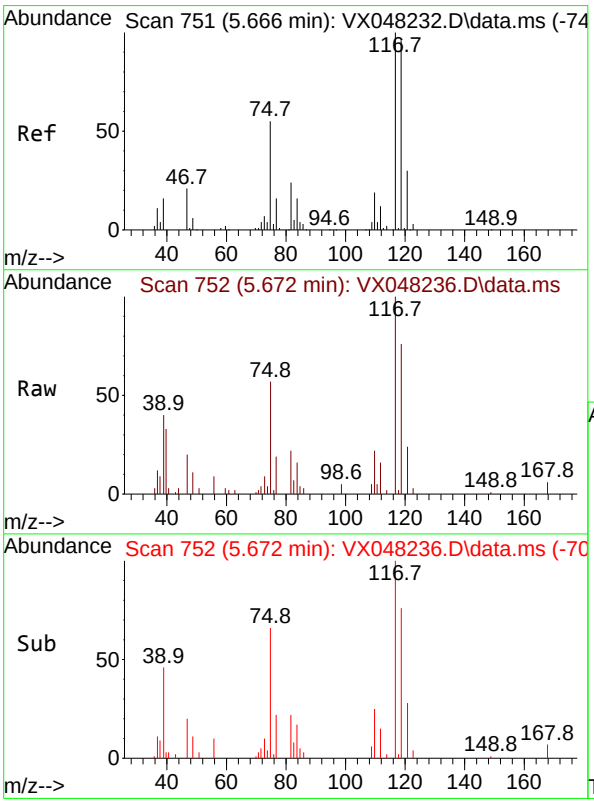
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 10.6 | 15.8# |
| 70 | 3.7 | 7.8 | 11.6# |

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

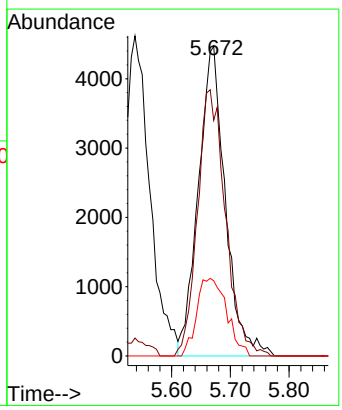


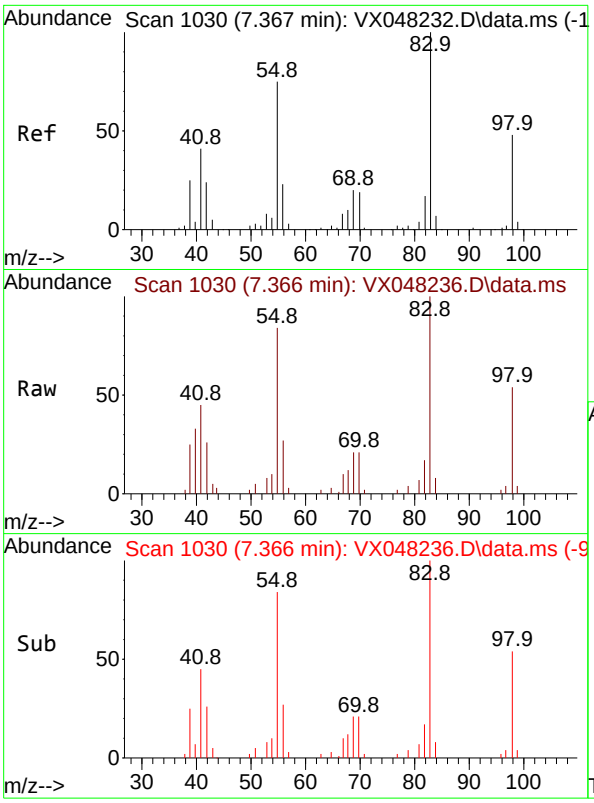




#38
Carbon Tetrachloride
Concen: 5.323 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:117 Resp: 14225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 76.0 | 77.2 | 115.8# |
| 121 | 24.3 | 24.8 | 37.2# |

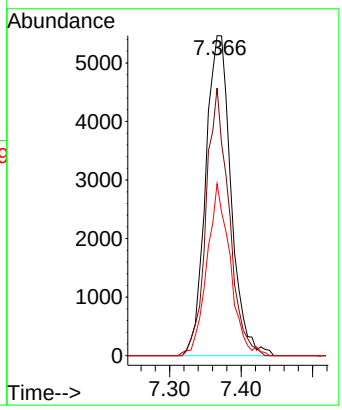





#39
Methylcyclohexane
Concen: 5.318 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 83 Resp: 1349

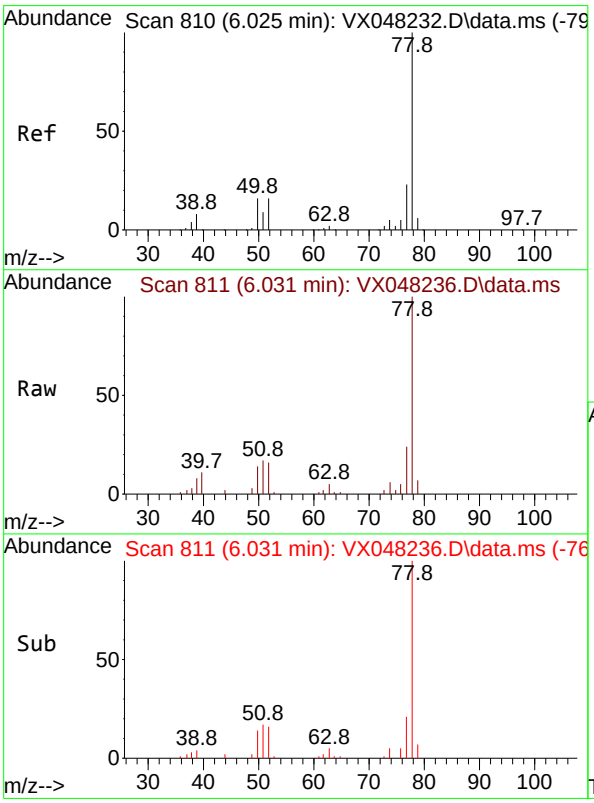
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.6 | 66.2 | 99.2 |
| 98 | 53.8 | 38.9 | 58.3 |




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

**Manual Integrations APPROVED**

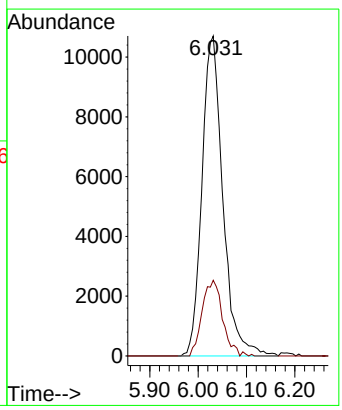
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

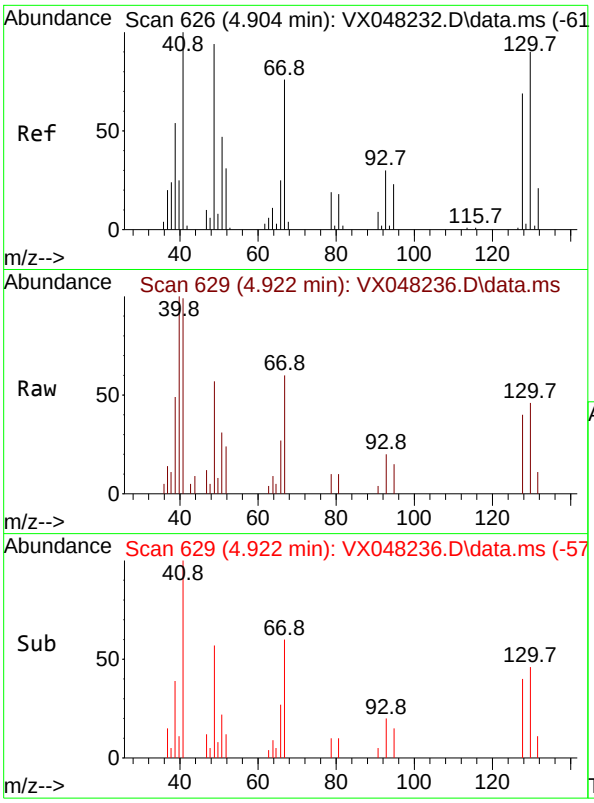



#40
Benzene
Concen: 5.103 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 78 Resp: 32115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.3 | 28.9 |

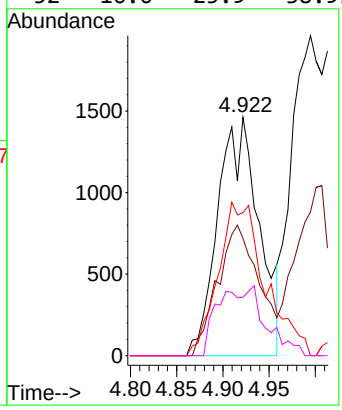





#41
Methacrylonitrile
Concen: 4.817 ug/l m
RT: 4.922 min Scan# 6
Delta R.T. 0.018 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 41 Resp: 453

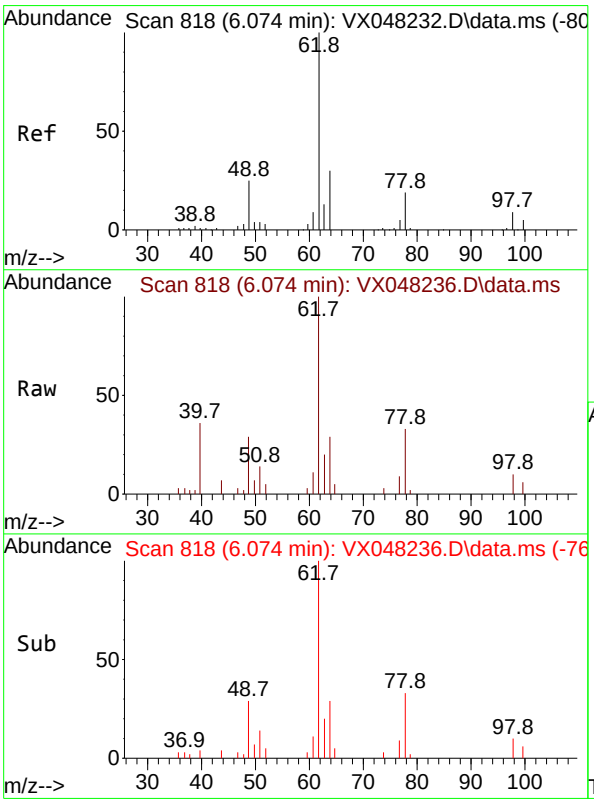
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.3 | 44.0 | 66.0 |
| 67 | 72.8 | 58.7 | 88.1 |
| 52 | 16.0 | 25.9 | 38.9# |




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

**Manual Integrations**
**APPROVED**

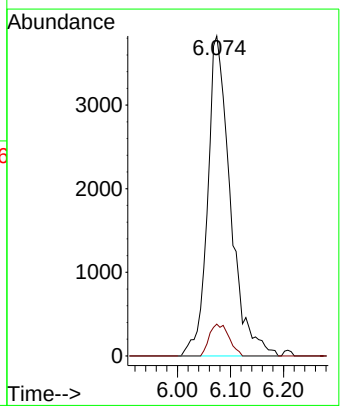
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

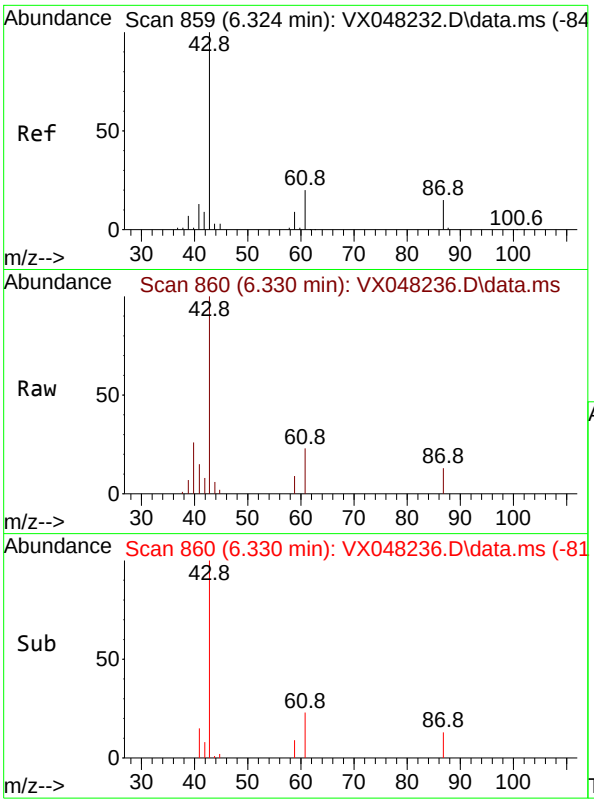



#42
1,2-Dichloroethane
Concen: 4.870 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 62 Resp: 11412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 17.2 |

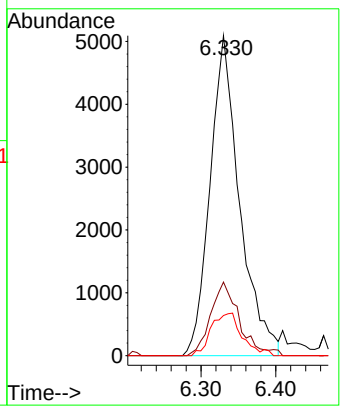





#43
Isopropyl Acetate
Concen: 4.656 ug/l
RT: 6.330 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 43 Resp: 1399

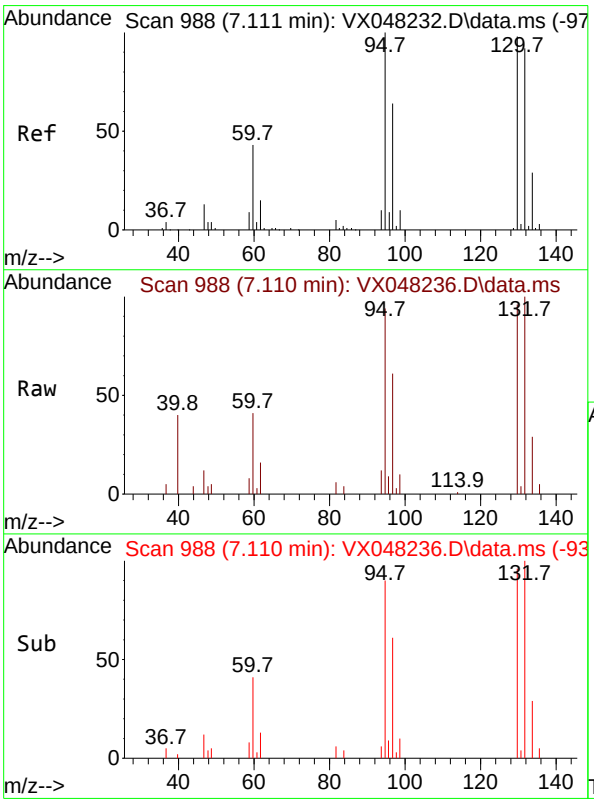
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 22.5 | 14.9 | 22.3 |
| 87 | 14.0 | 9.4 | 14.2 |




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

**Manual Integrations APPROVED**

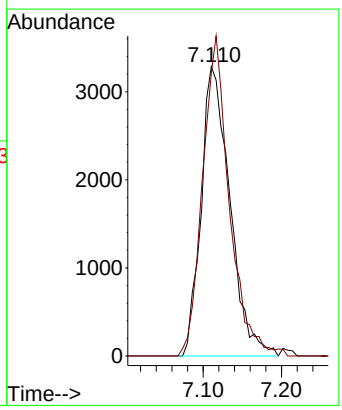
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

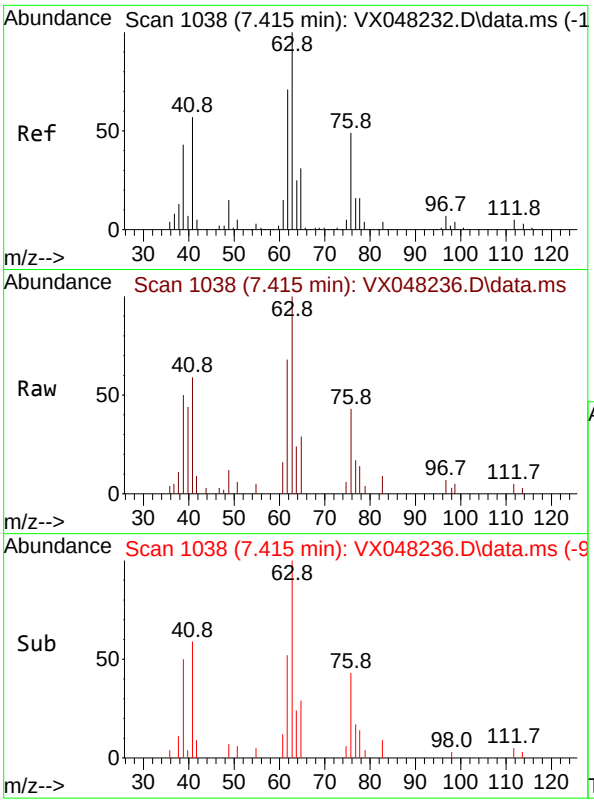



#44
Trichloroethene
Concen: 5.009 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:130 Resp: 8373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 107.6 | 0.0 | 200.6 |

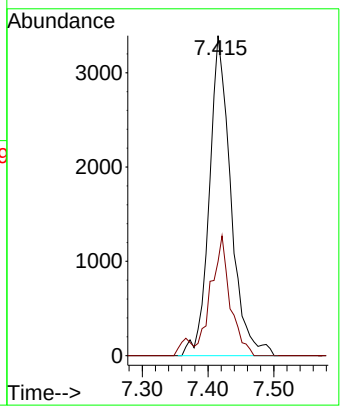





#45
1,2-Dichloropropane
Concen: 5.129 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 63 Resp: 770

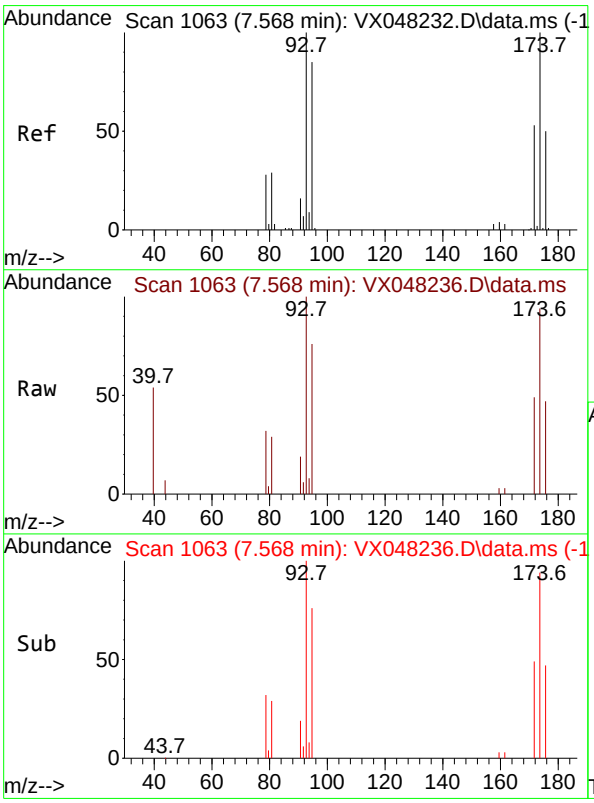
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.4 | 24.1 | 36.1 |




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

**Manual Integrations**
**APPROVED**

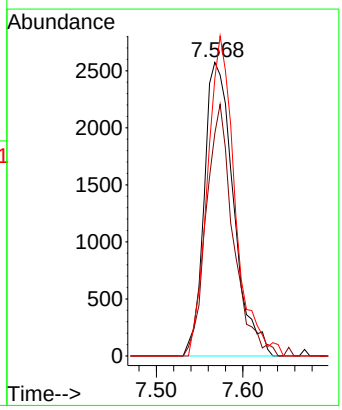
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

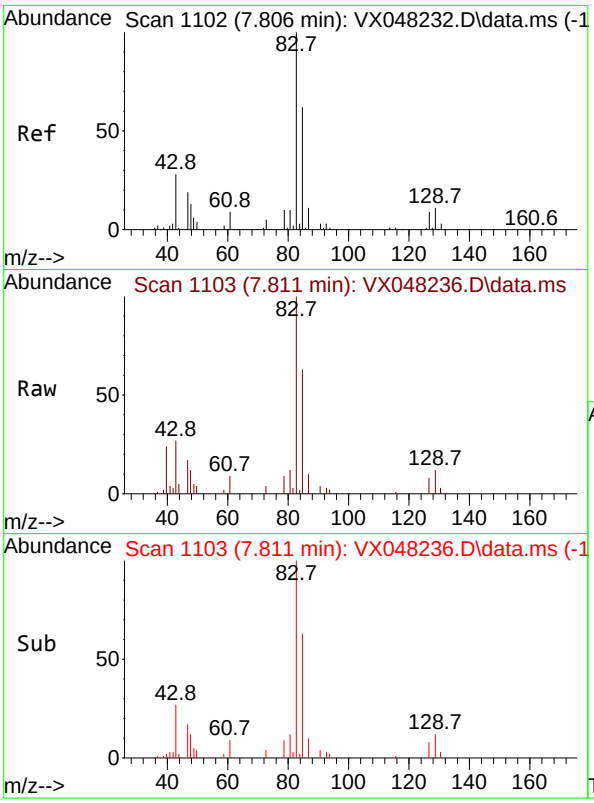



#46
Dibromomethane
Concen: 5.181 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 93 Resp: 6041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 79.0 | 65.9 | 98.9 |
| 174 | 103.1 | 71.7 | 107.5 |

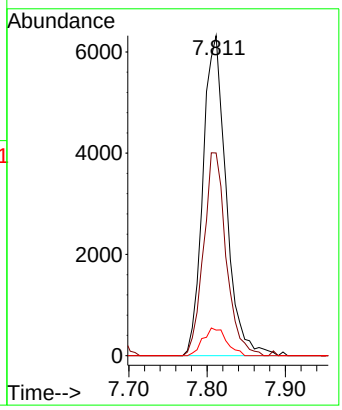





#47
Bromodichloromethane
Concen: 5.126 ug/l
RT: 7.811 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 83 Resp: 1297

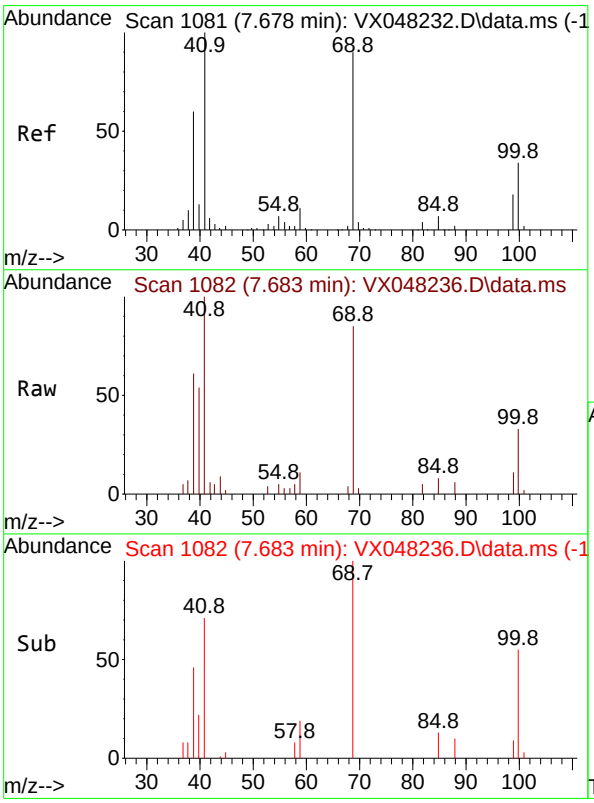
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 52.2 | 78.4 |
| 127 | 8.0 | 7.3 | 10.9 |




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

**Manual Integrations APPROVED**

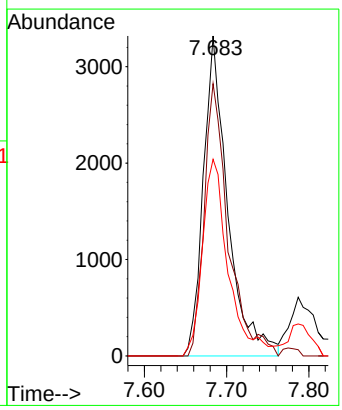
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

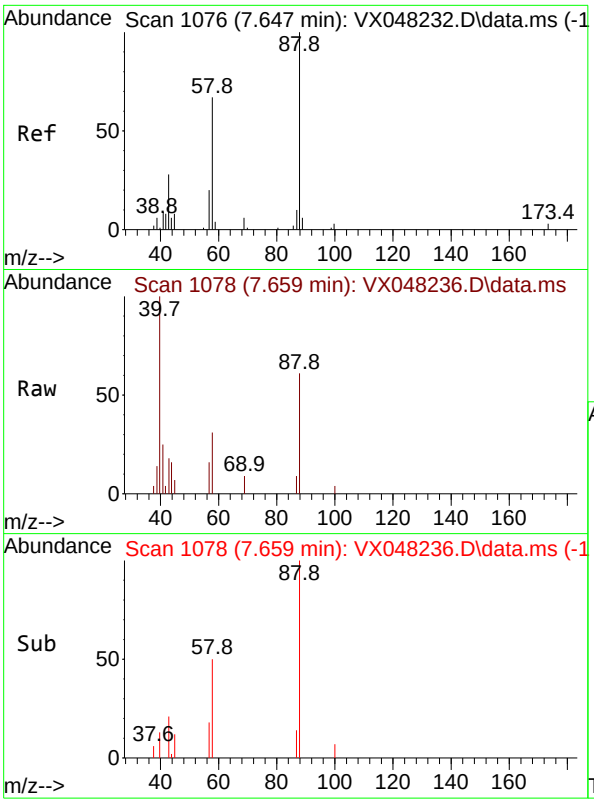



#48
Methyl methacrylate
Concen: 4.542 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 41 Resp: 6863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.7 | 63.4 | 95.0 |
| 39 | 64.8 | 47.1 | 70.7 |

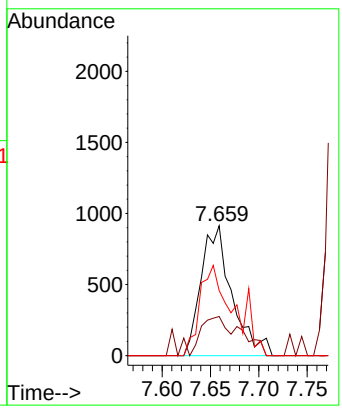





#49
1,4-Dioxane
Concen: 103.402 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 88 Resp: 202

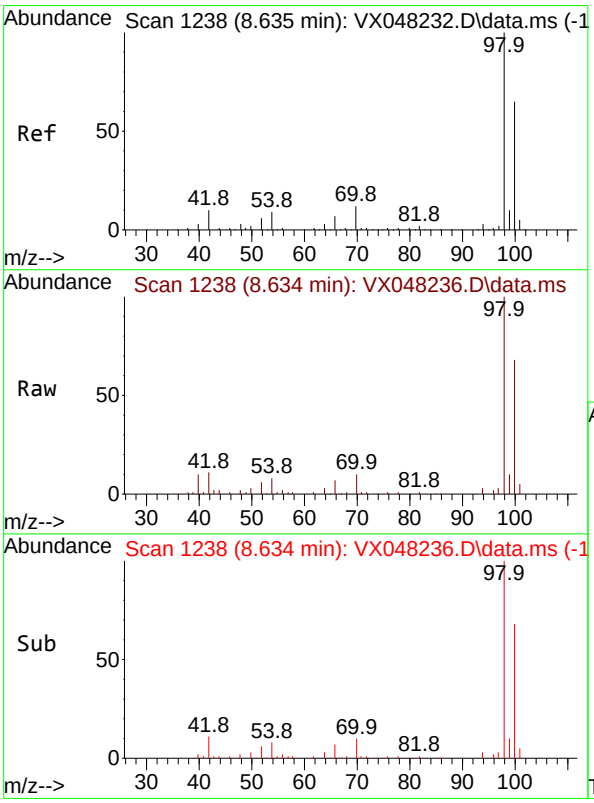
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.4 | 35.0 | 52.4 |
| 58 | 76.8 | 61.9 | 92.9 |




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

**Manual Integrations**
**APPROVED**

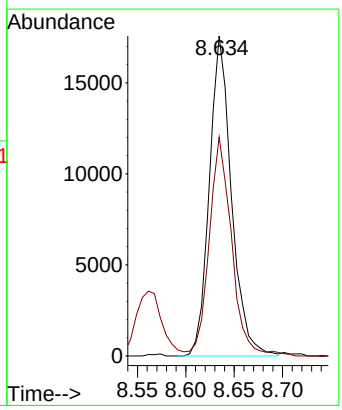
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

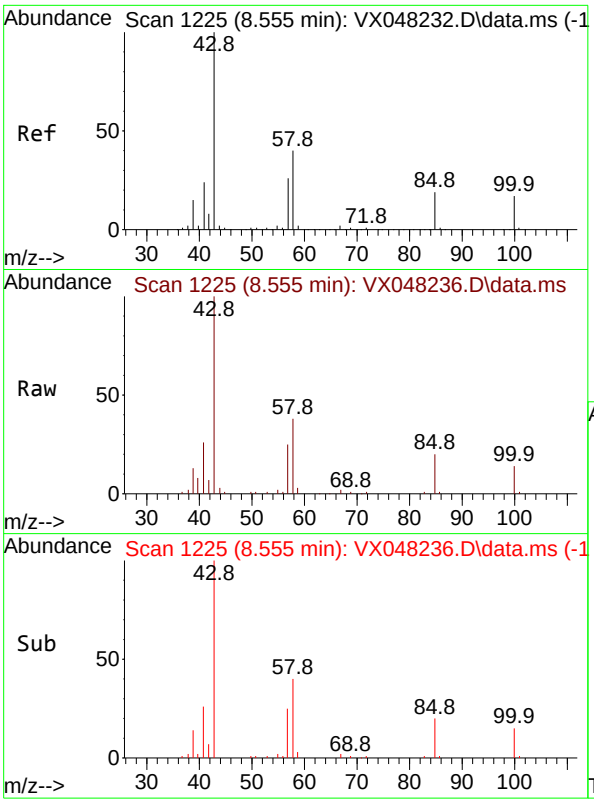



#50
Toluene-d8
Concen: 3.999 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 98 Resp: 27914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 69.2 | 53.0 | 79.4 |

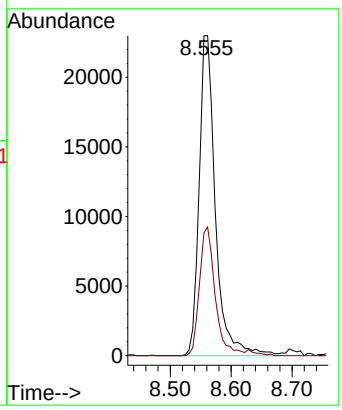





#51
4-Methyl-2-Pentanone
Concen: 24.936 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 43 Resp: 4272

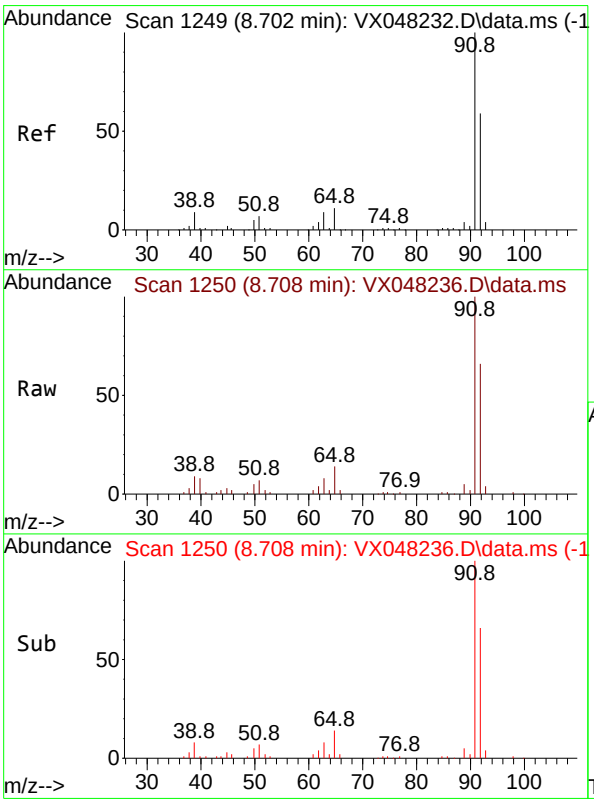
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.7 | 29.5 | 44.3 |




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

**Manual Integrations APPROVED**

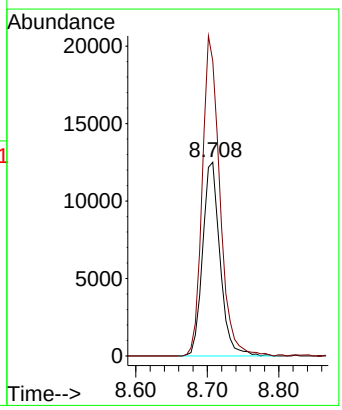
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

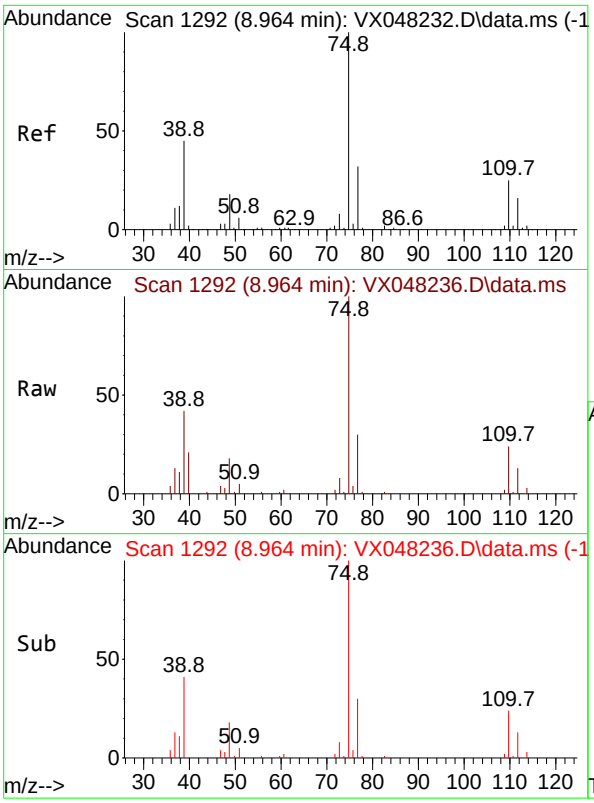



#52
Toluene
Concen: 5.296 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 92 Resp: 21137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 166.2 | 136.1 | 204.1 |

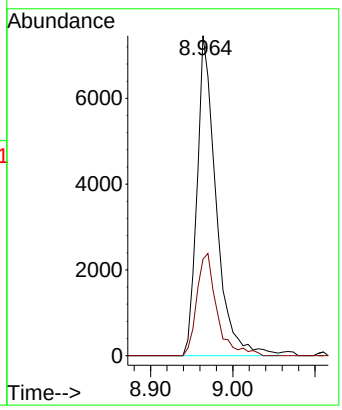





#53
t-1,3-Dichloropropene
Concen: 4.914 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 1201

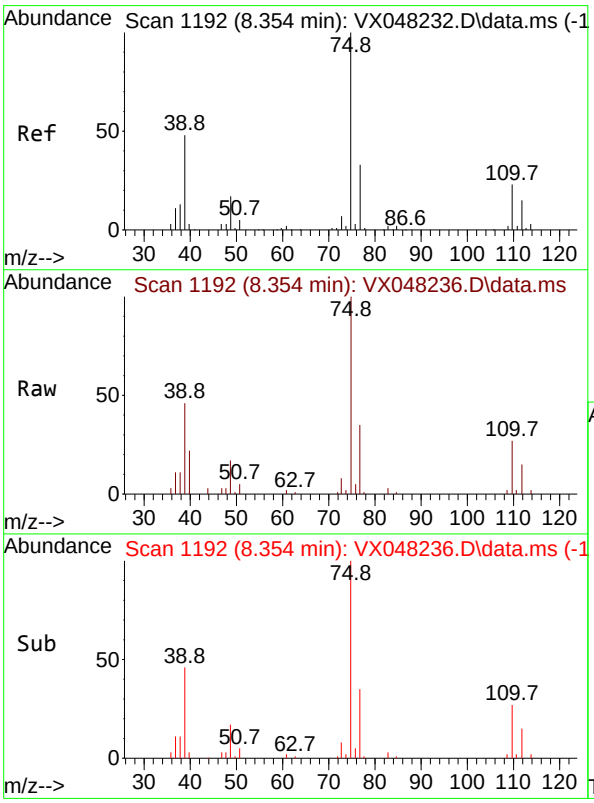
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.2 | 25.0 | 37.6 |




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

**Manual Integrations**
**APPROVED**

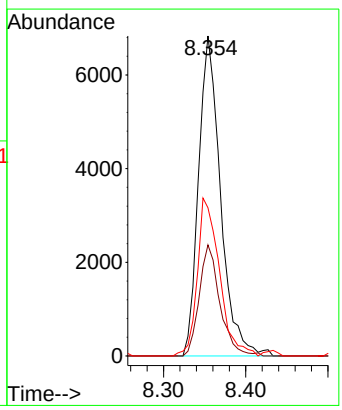
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

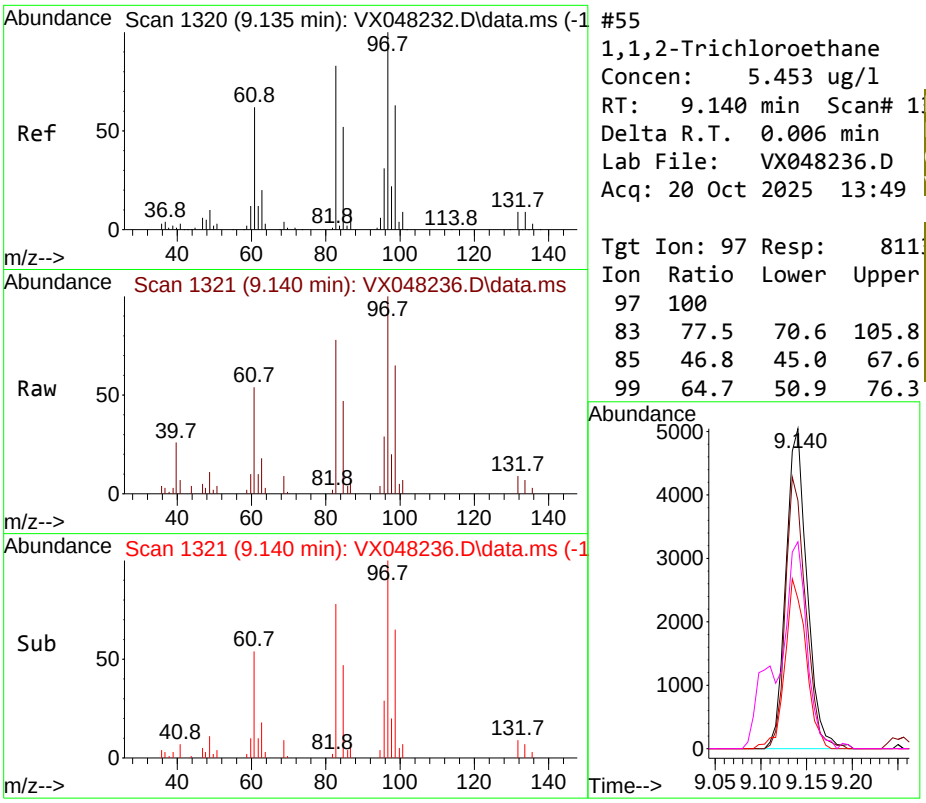



#54
cis-1,3-Dichloropropene
Concen: 4.820 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 12702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.7 | 24.9 | 37.3 |
| 39 | 45.3 | 42.6 | 64.0 |






#55
1,1,2-Trichloroethane
Concen: 5.453 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 97 Resp: 811

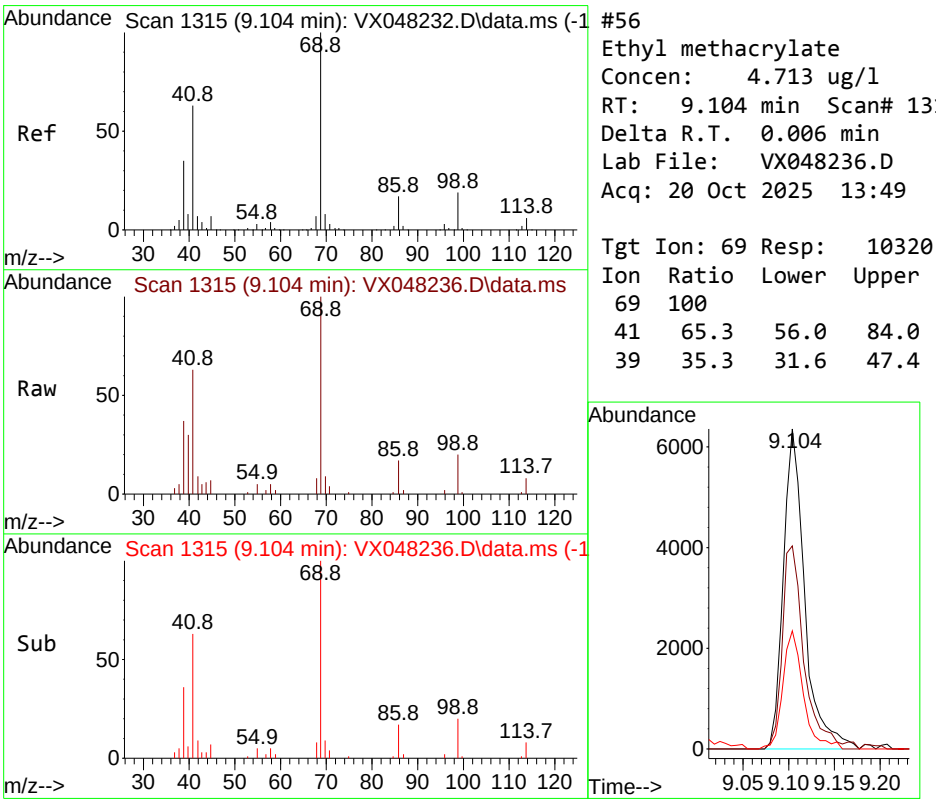
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 77.5 | 70.6 | 105.8 |
| 85 | 46.8 | 45.0 | 67.6 |
| 99 | 64.7 | 50.9 | 76.3 |




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

**Manual Integrations**
**APPROVED**

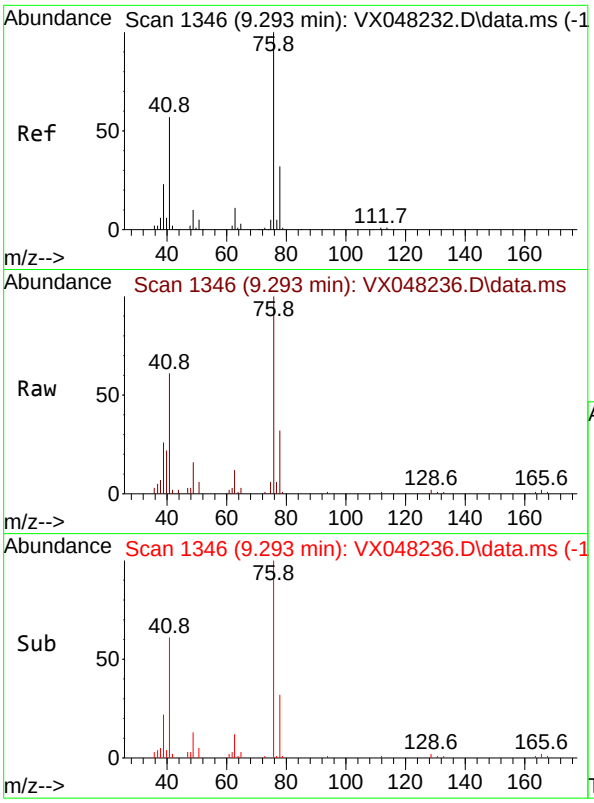
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025




#56
Ethyl methacrylate
Concen: 4.713 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 69 Resp: 10320

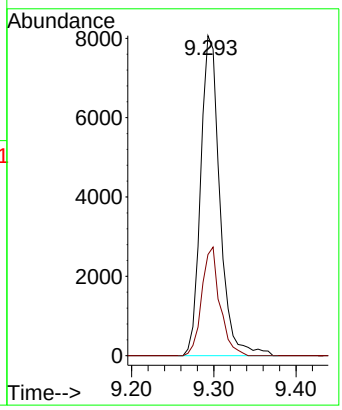
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 65.3 | 56.0 | 84.0 |
| 39 | 35.3 | 31.6 | 47.4 |




#57
1,3-Dichloropropane
Concen: 5.112 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 76 Resp: 1308

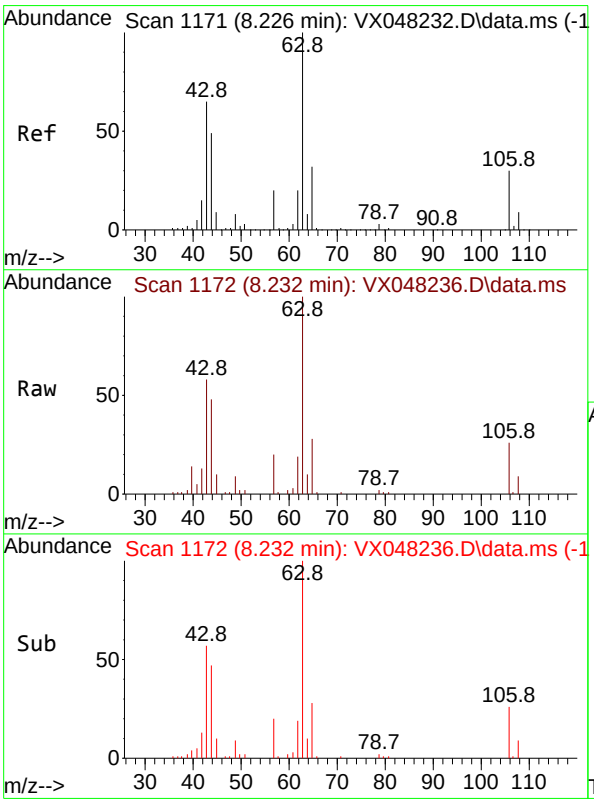
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.0 | 25.4 | 38.0 |




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

**Manual Integrations**
**APPROVED**

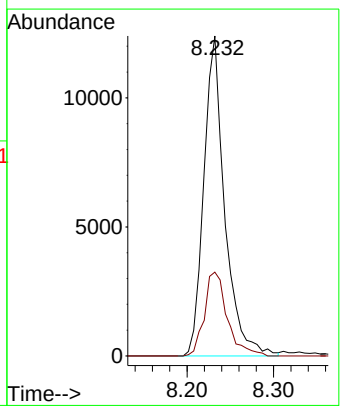
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

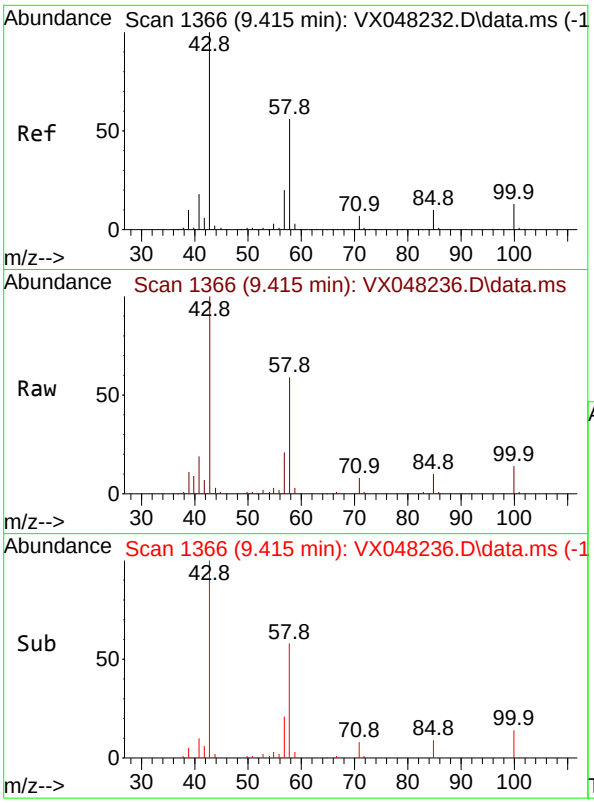



#58
2-Chloroethyl Vinyl ether
Concen: 19.525 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 63 Resp: 20764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.6 | 22.2 | 33.2 |






#59
2-Hexanone
Concen: 25.896 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

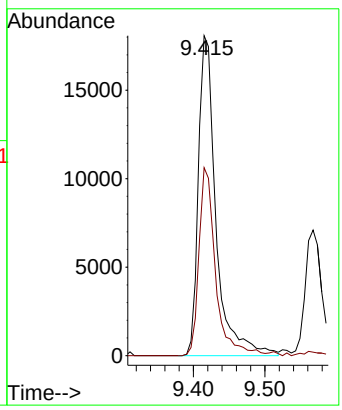
Tgt Ion: 43 Resp: 3094

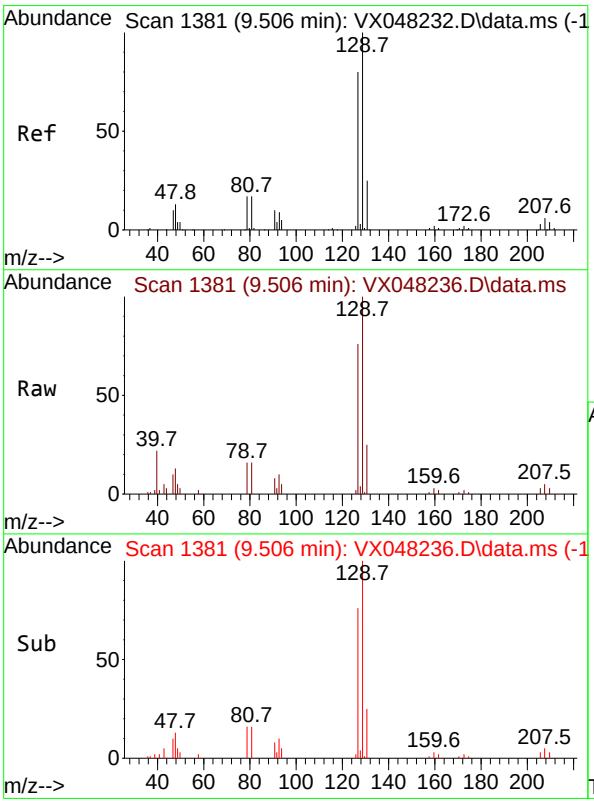
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.4 | 26.3 | 78.8 |

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

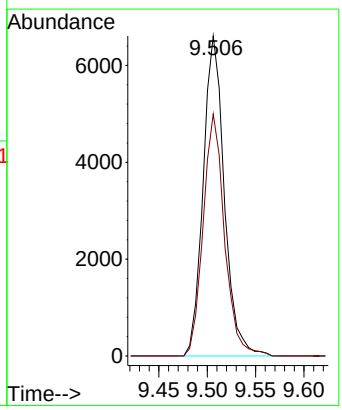


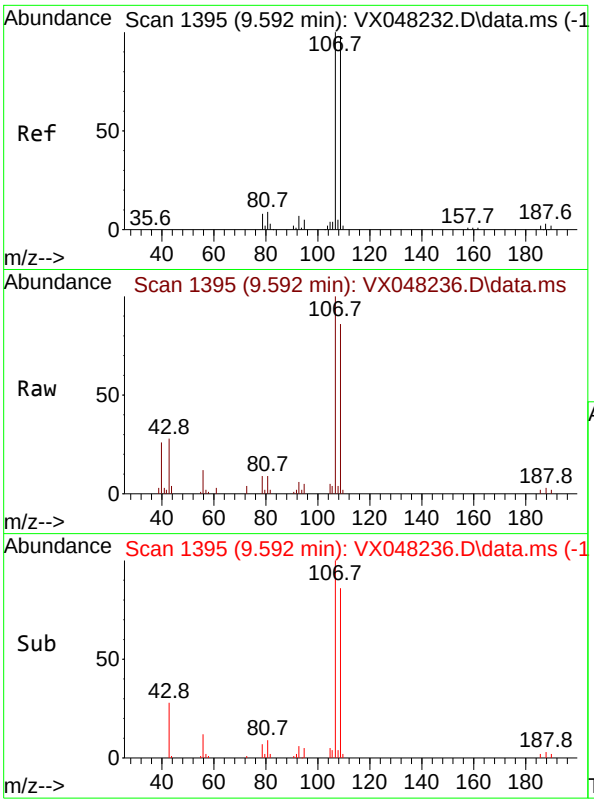




#60
Dibromochloromethane
Concen: 5.028 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:129 Resp: 10082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.3 | 38.6 | 115.7 |

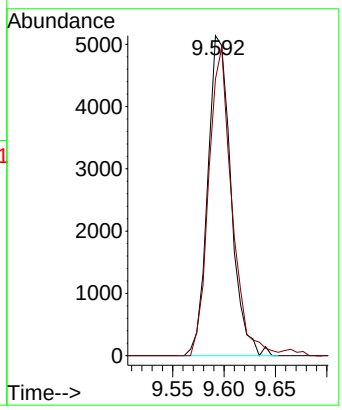





#61
1,2-Dibromoethane
Concen: 5.075 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:107 Resp: 807

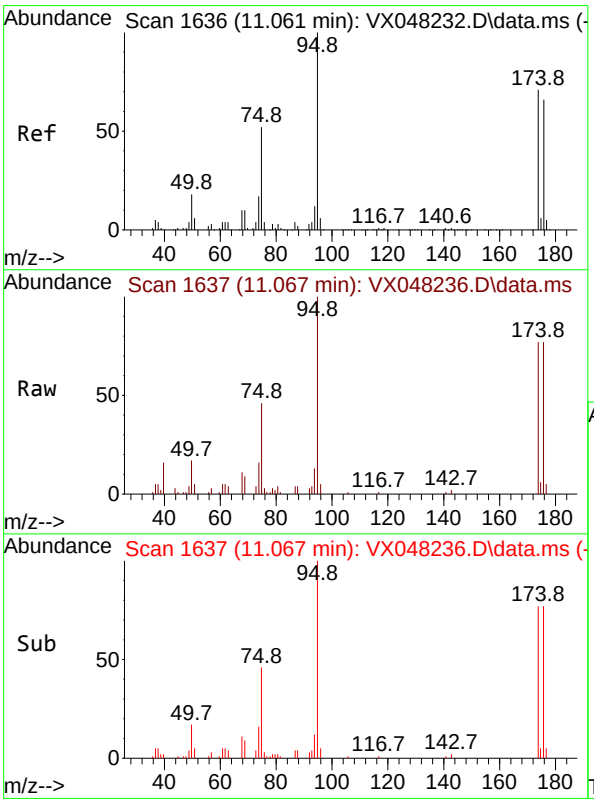
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.3 | 77.0 | 115.4 |




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

**Manual Integrations APPROVED**

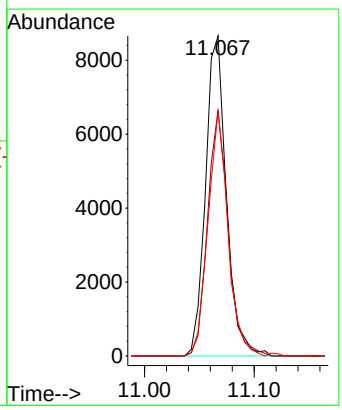
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

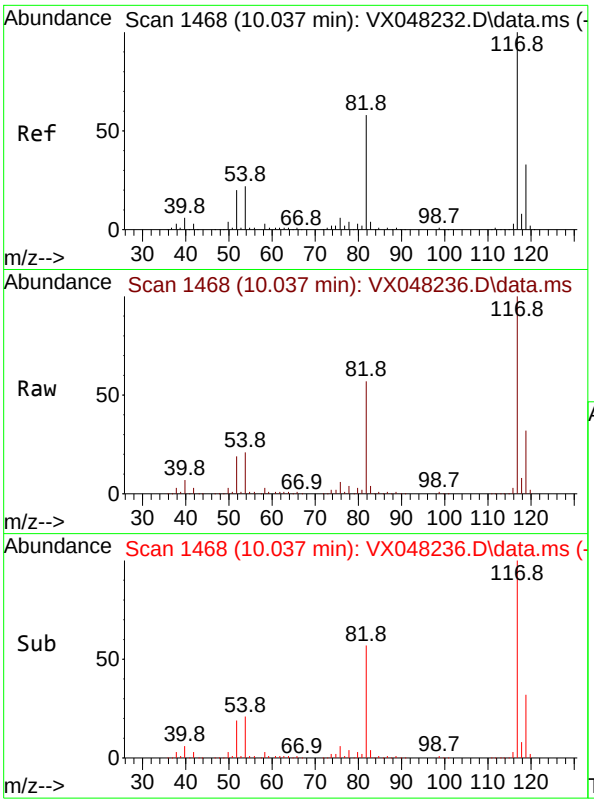



#62
4-Bromofluorobenzene
Concen: 4.042 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 95 Resp: 11429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.7 | 0.0 | 147.8 |
| 176 | 73.4 | 0.0 | 142.8 |

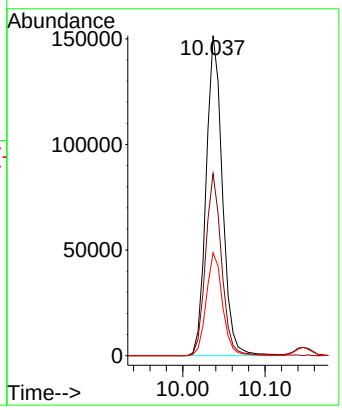





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:117 Resp: 20848

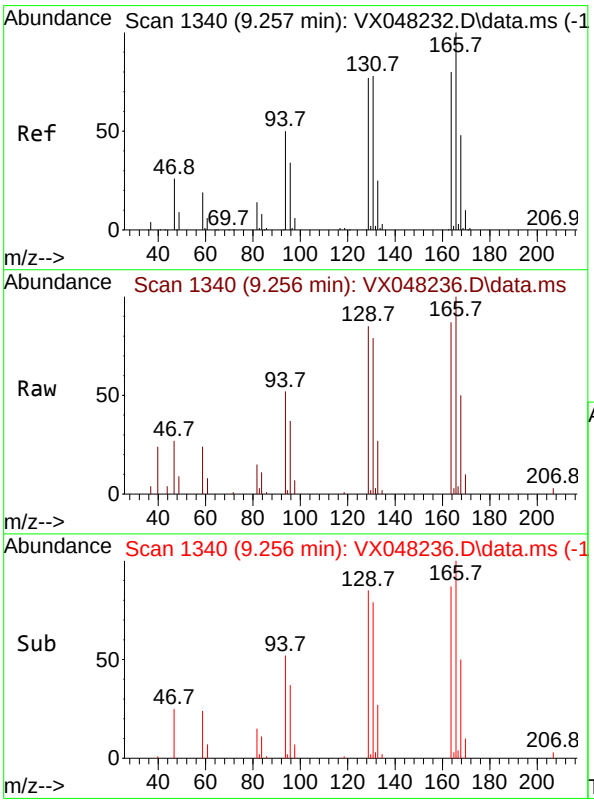
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.9 | 46.5 | 69.7 |
| 119 | 32.2 | 25.9 | 38.9 |




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

**Manual Integrations APPROVED**

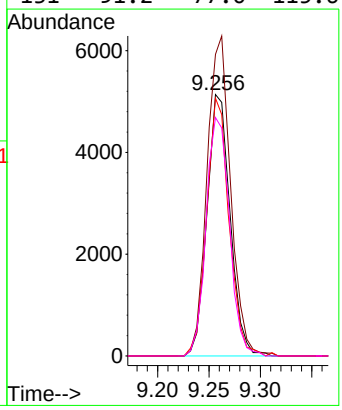
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

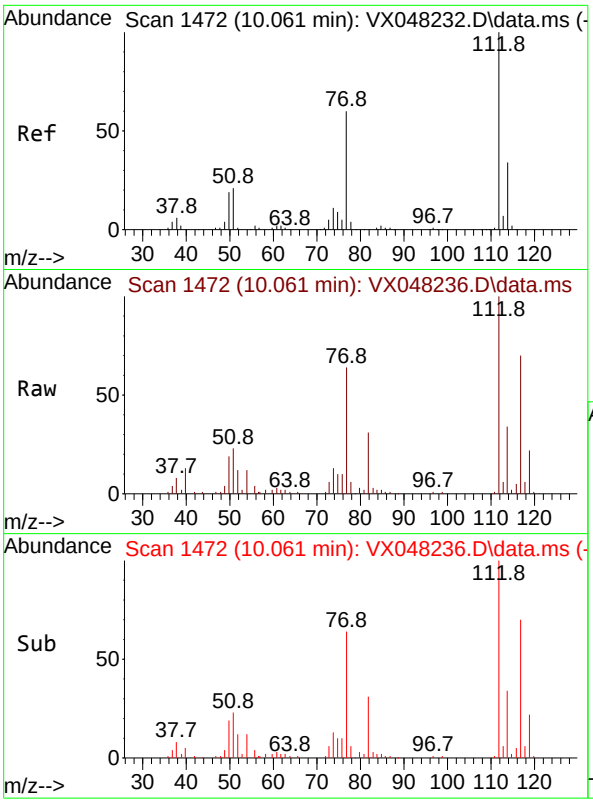



#64
Tetrachloroethene
Concen: 5.341 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:164 Resp: 8020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 115.3 | 104.5 | 156.7 |
| 129 | 98.6 | 81.8 | 122.6 |
| 131 | 91.2 | 77.0 | 115.6 |

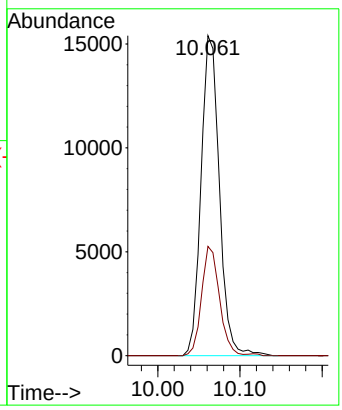





#65
Chlorobenzene
Concen: 5.236 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:112 Resp: 2387

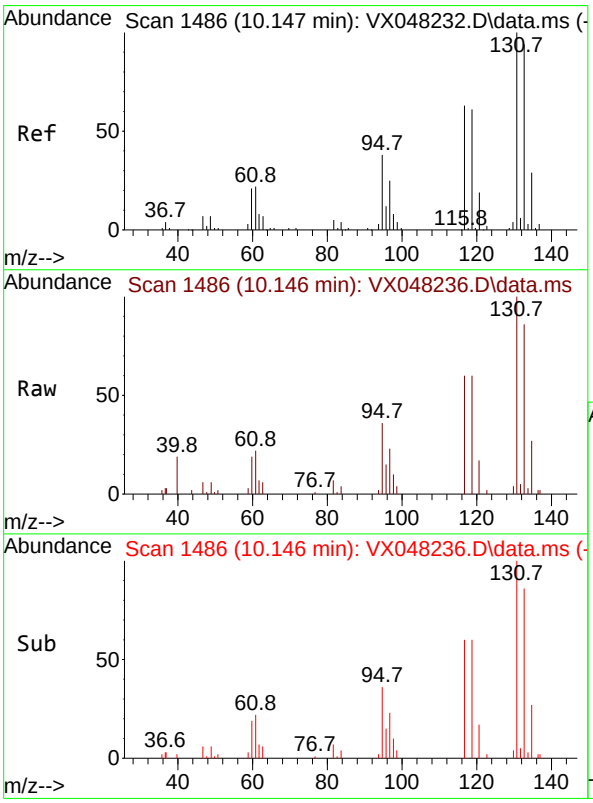
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 34.2 | 26.2 | 39.2 |




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

**Manual Integrations APPROVED**

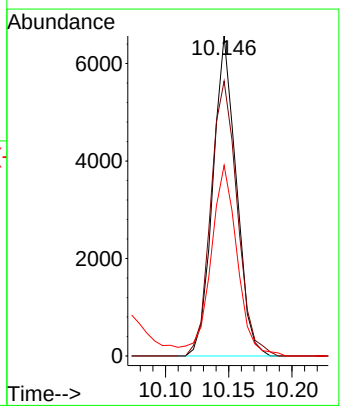
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

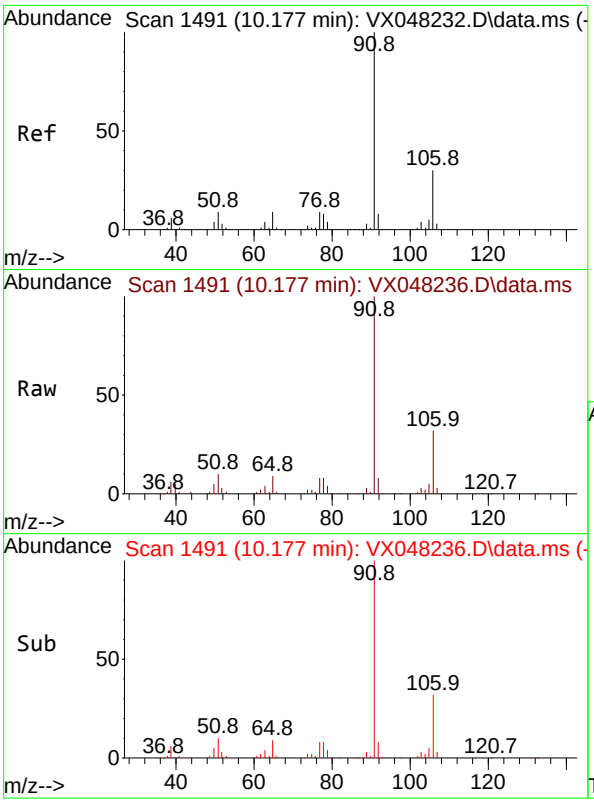



#66
1,1,1,2-Tetrachloroethane
Concen: 5.012 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:131 Resp: 8450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 97.1 | 47.6 | 142.8 |
| 119 | 66.7 | 32.5 | 97.5 |

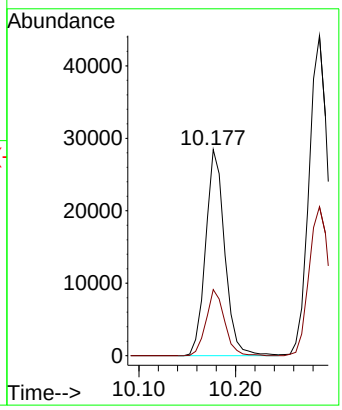





#67
Ethyl Benzene
Concen: 5.044 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 91 Resp: 3912

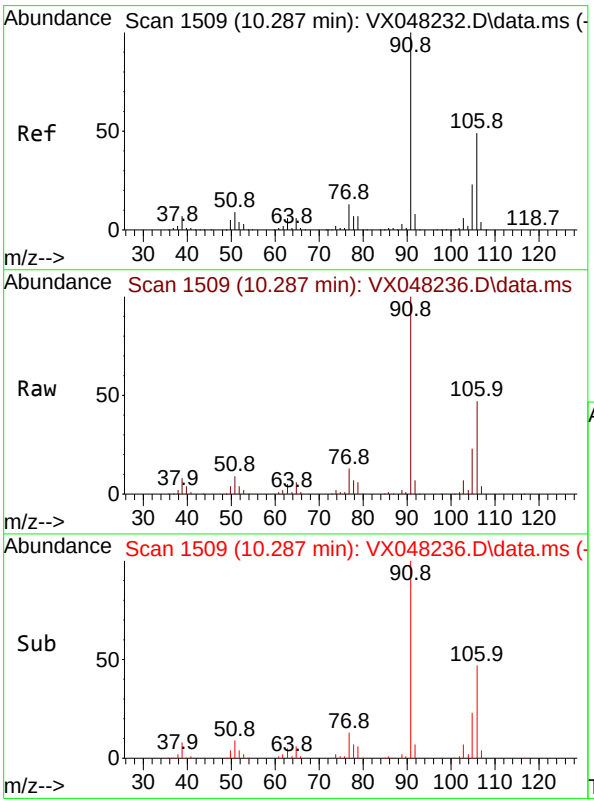
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.1 | 23.8 | 35.6 |




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

**Manual Integrations APPROVED**

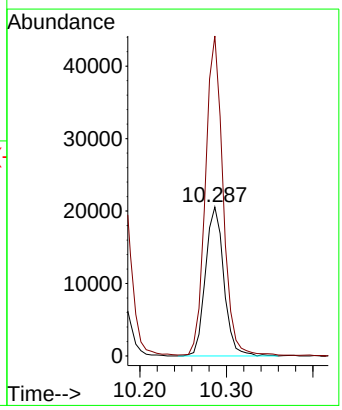
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

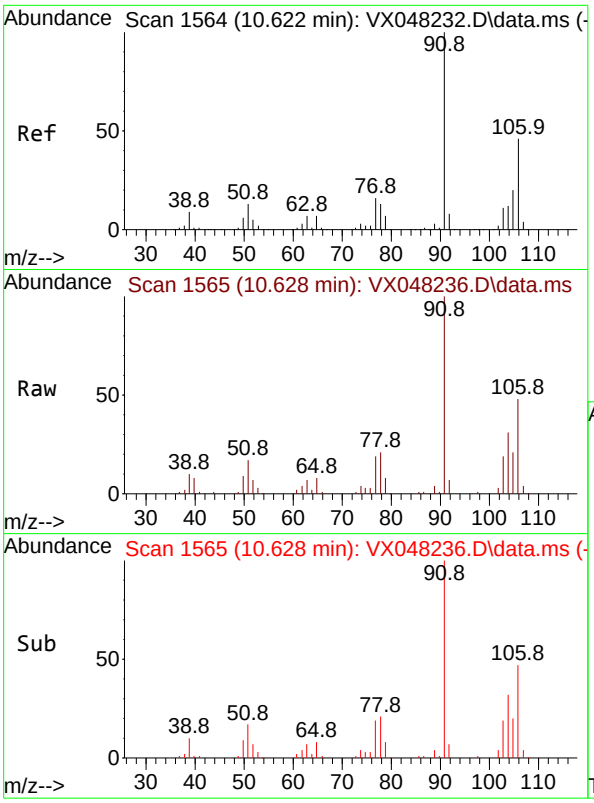



#68
m/p-Xylenes
Concen: 10.586 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:106 Resp: 30310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.7 | 167.9 | 251.9 |

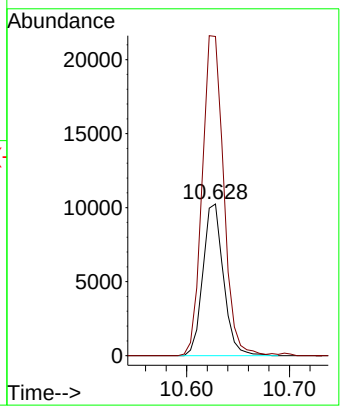





#69
o-Xylene
Concen: 5.128 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:106 Resp: 1426

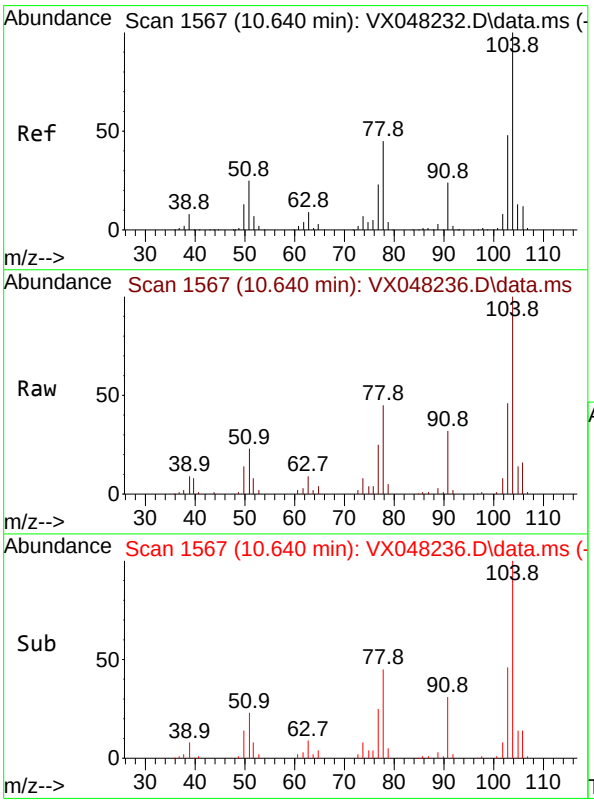
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.6 | 111.3 | 333.9 |




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

**Manual Integrations APPROVED**

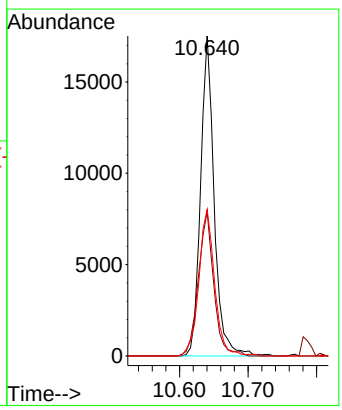
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

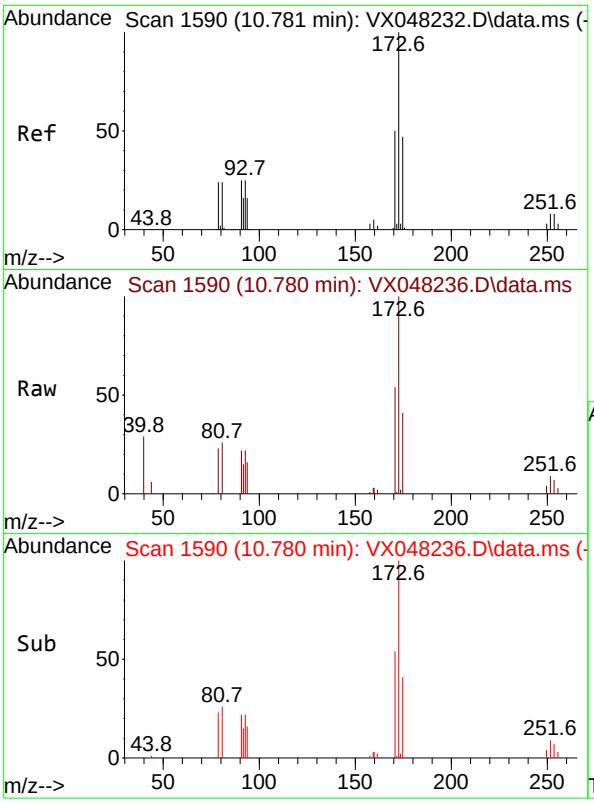



#70
Styrene
Concen: 5.138 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:104 Resp: 24289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.1 | 42.2 | 63.4 |
| 103 | 53.2 | 43.0 | 64.4 |

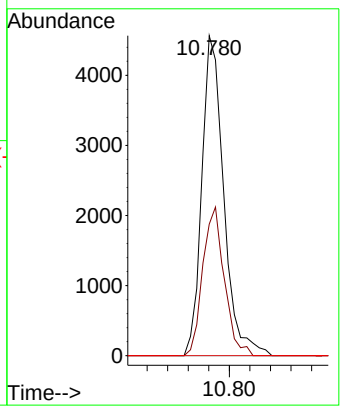





#71
Bromoform
Concen: 5.031 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:173 Resp: 676

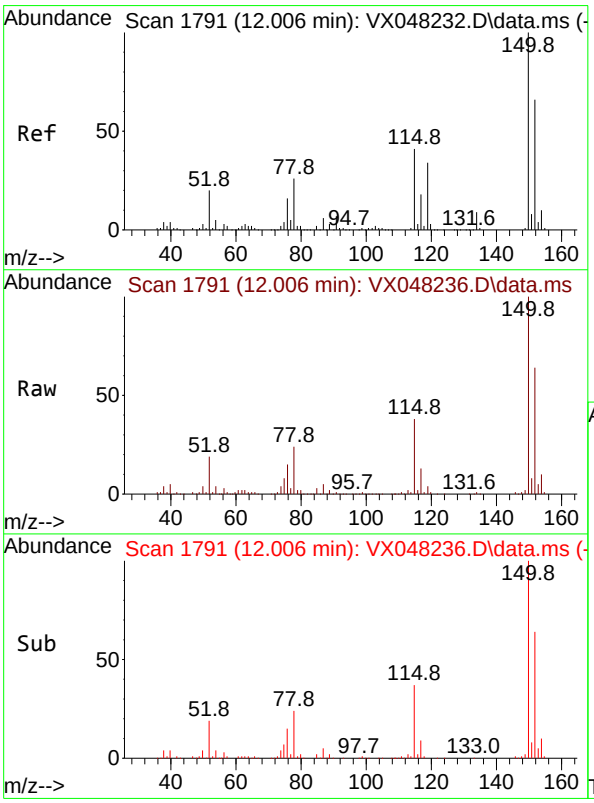
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 45.6 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |




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

**Manual Integrations APPROVED**

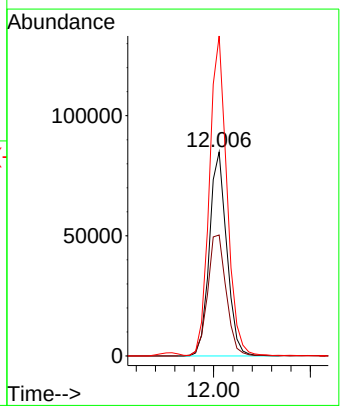
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

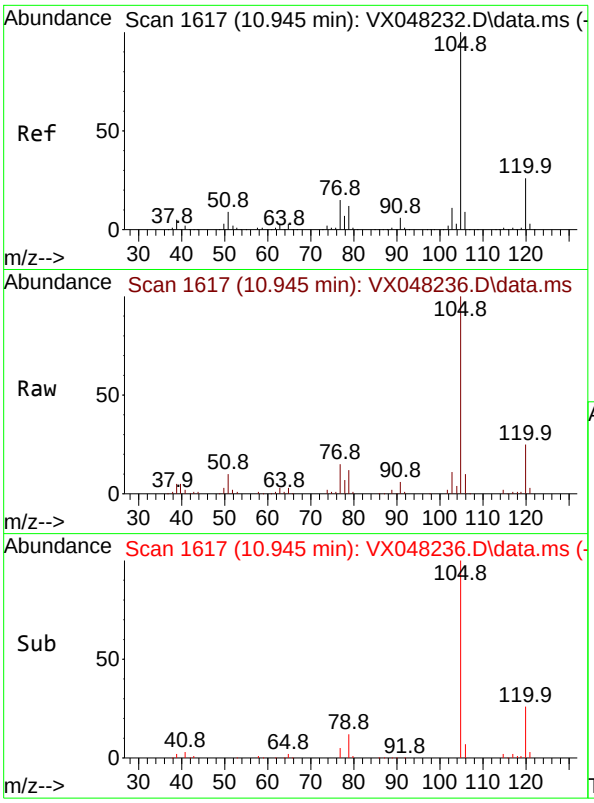



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:152 Resp: 105998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 63.9 | 43.1 | 129.4 |
| 150 | 157.2 | 0.0 | 353.0 |






#73
Isopropylbenzene
Concen: 5.082 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

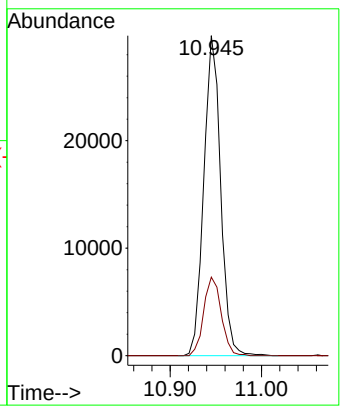
Tgt Ion:105 Resp: 3793

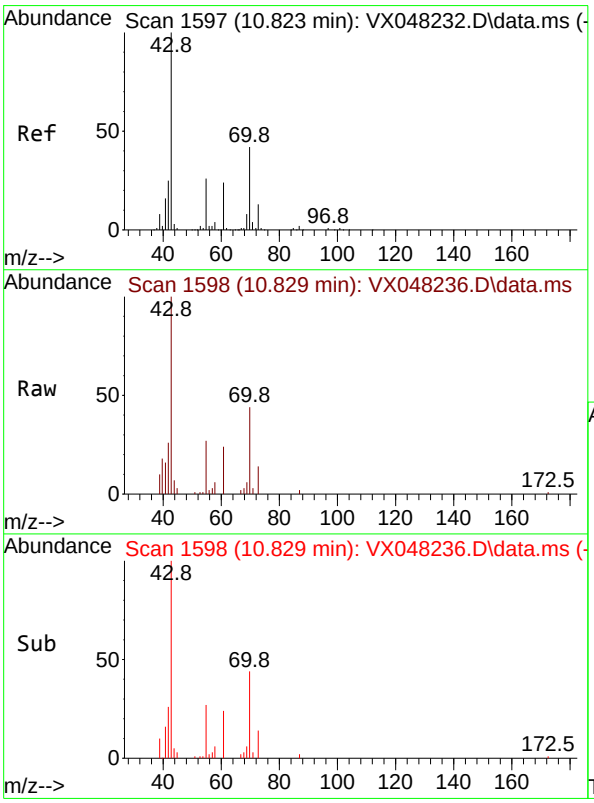
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 13.0 | 38.9 |

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

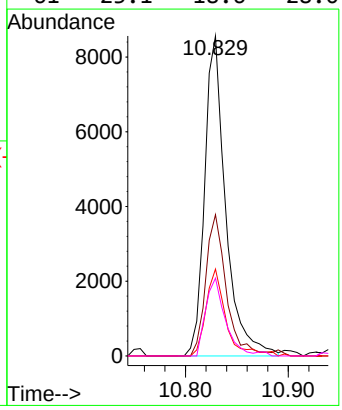


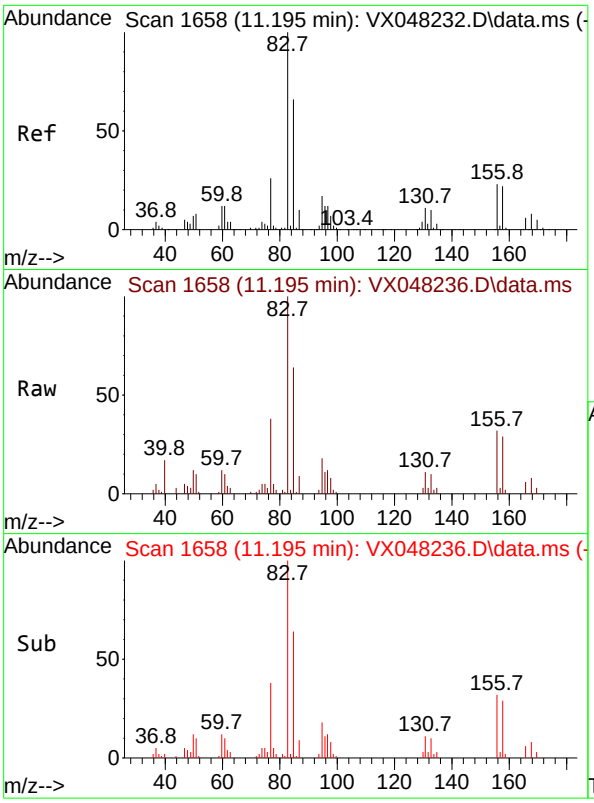




#74
N-amyl acetate
Concen: 4.544 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 43 Resp: 12188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 43.3 | 32.2 | 48.2 |
| 55 | 25.7 | 19.1 | 28.7 |
| 61 | 23.1 | 18.6 | 28.0 |

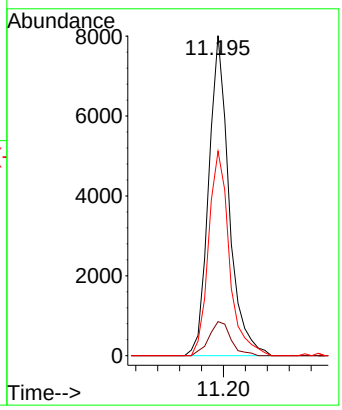





#75
1,1,2,2-Tetrachloroethane
Concen: 4.992 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 83 Resp: 1032

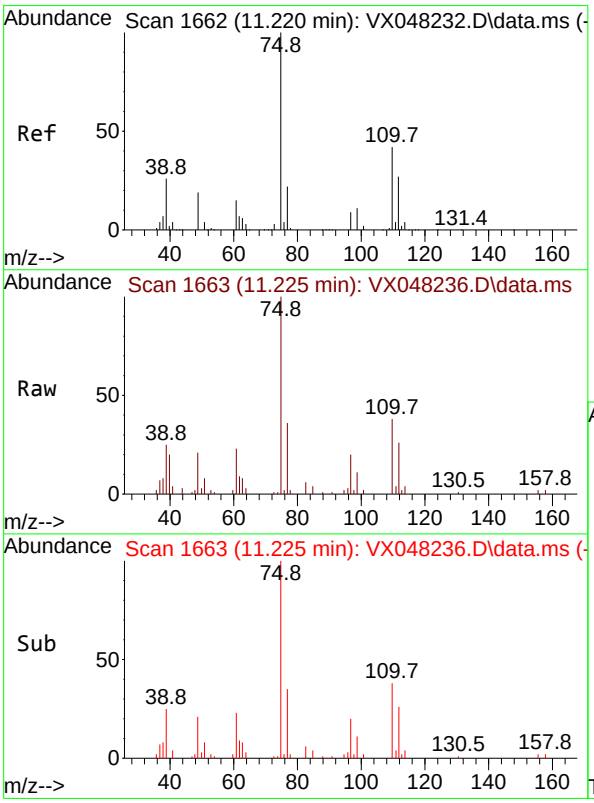
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 11.5 | 4.8 | 14.4 |
| 85 | 65.0 | 31.9 | 95.7 |




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

**Manual Integrations**
**APPROVED**

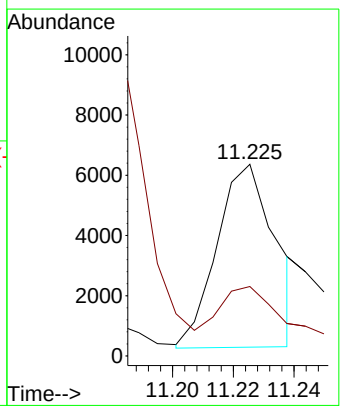
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

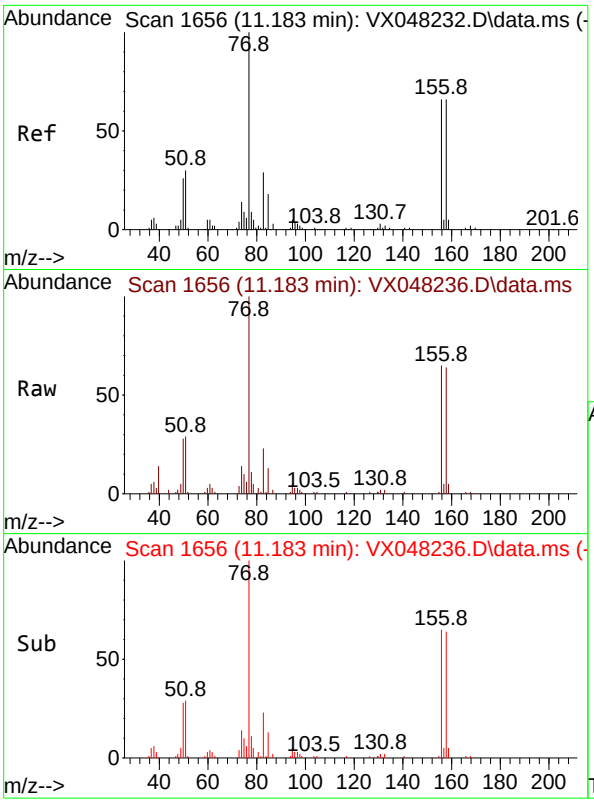



#76
1,2,3-Trichloropropane
Concen: 4.889 ug/l m
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 8134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 49.3 | 22.4 | 67.2 |

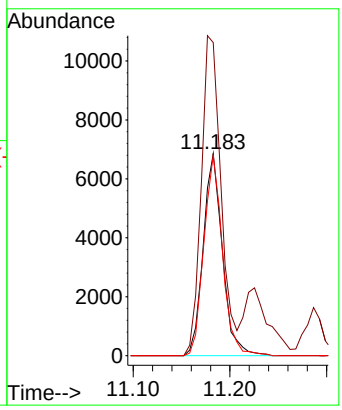





#77
Bromobenzene
Concen: 5.027 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:156 Resp: 950

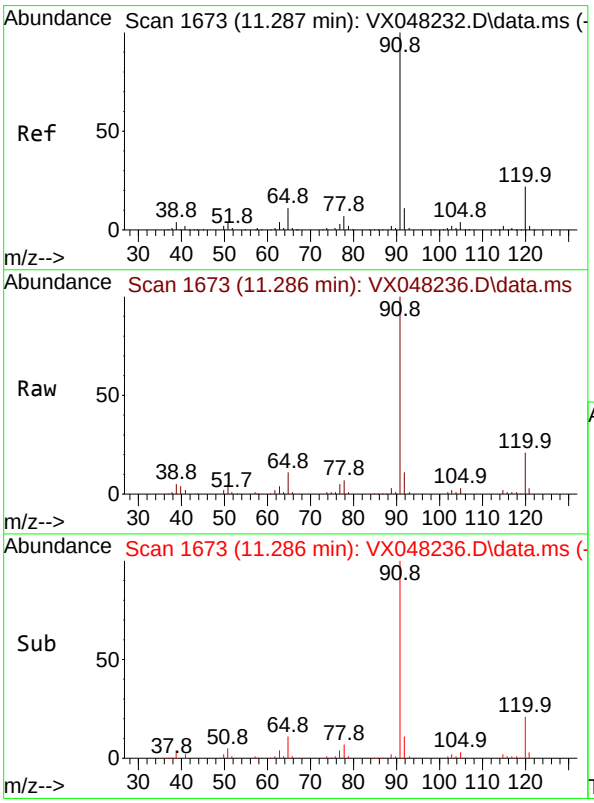
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 162.1 | 87.0 | 261.0 |
| 158 | 96.5 | 47.8 | 143.4 |




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

**Manual Integrations APPROVED**

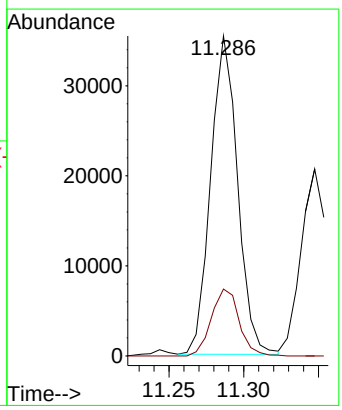
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

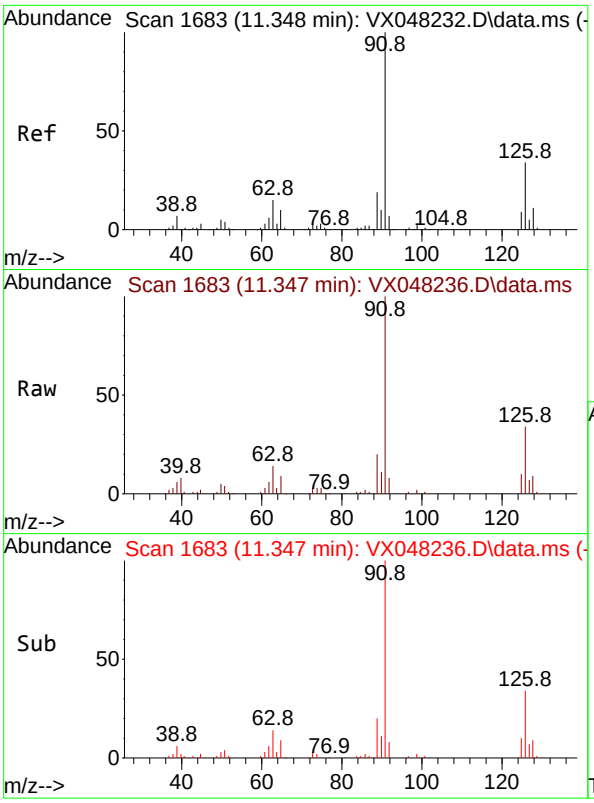



#78
n-propylbenzene
Concen: 5.097 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 91 Resp: 44189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.7 | 11.1 | 33.1 |






#79
2-Chlorotoluene
Concen: 5.032 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

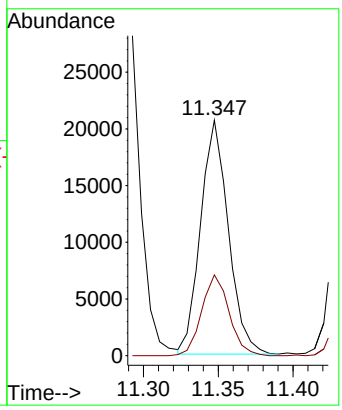
Tgt Ion: 91 Resp: 2662

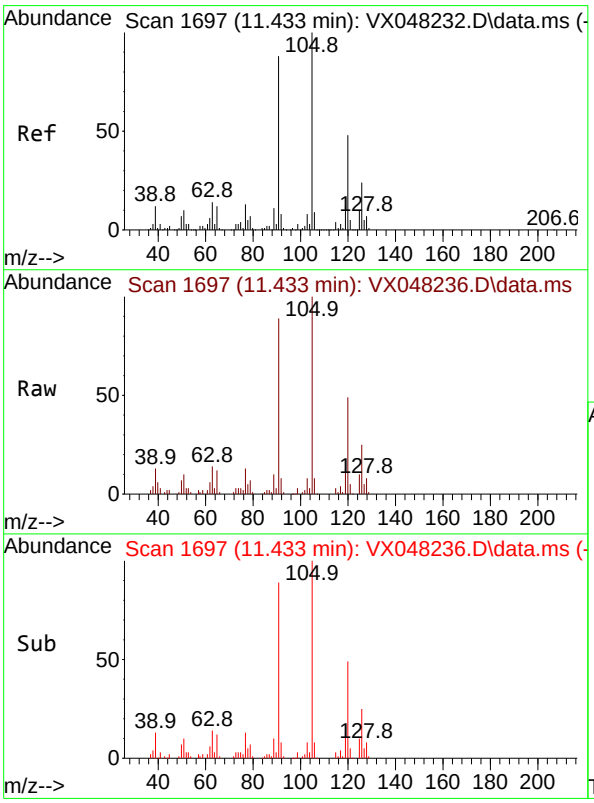
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.4 | 49.4 |

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

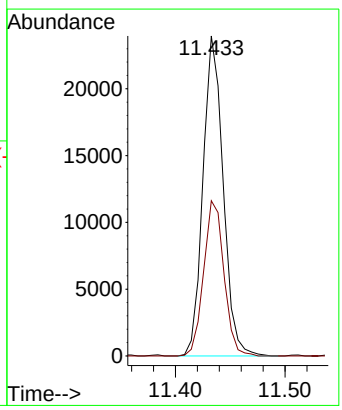


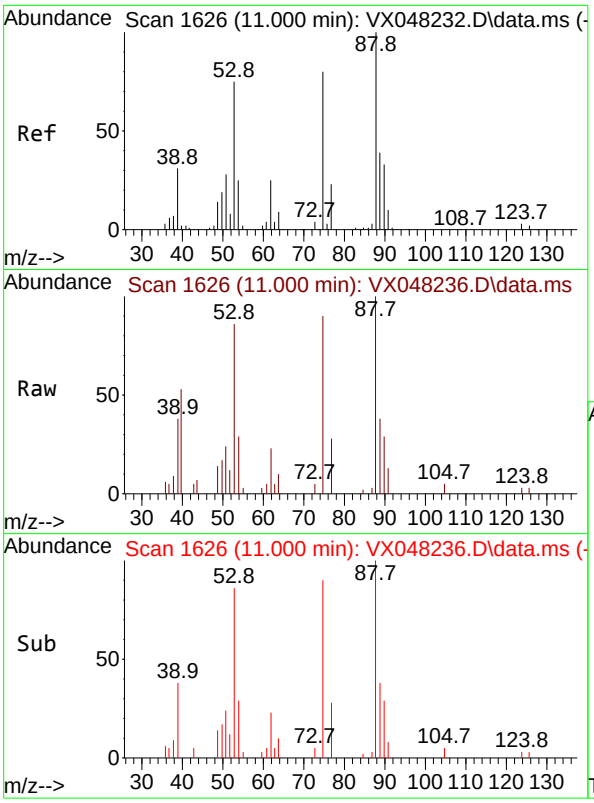




#80
1,3,5-Trimethylbenzene
Concen: 4.910 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:105 Resp: 30618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.8 | 24.0 | 72.0 |

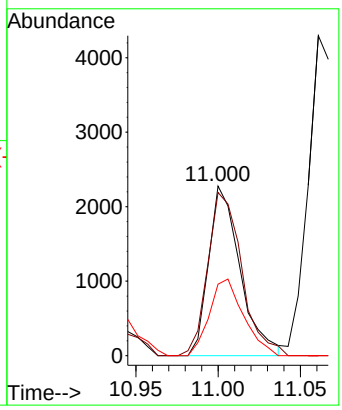





#81
trans-1,4-Dichloro-2-butene
Concen: 4.387 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 303

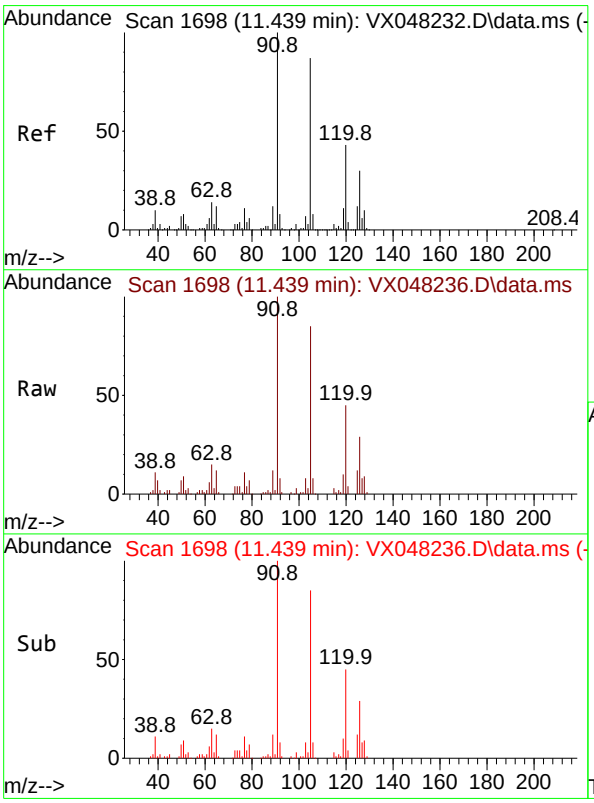
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.8 | 79.5 | 119.3 |
| 89 | 49.0 | 36.8 | 55.2 |




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

**Manual Integrations**
**APPROVED**

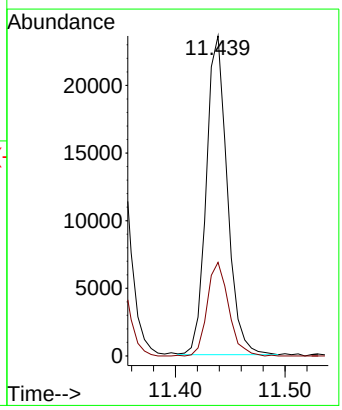
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

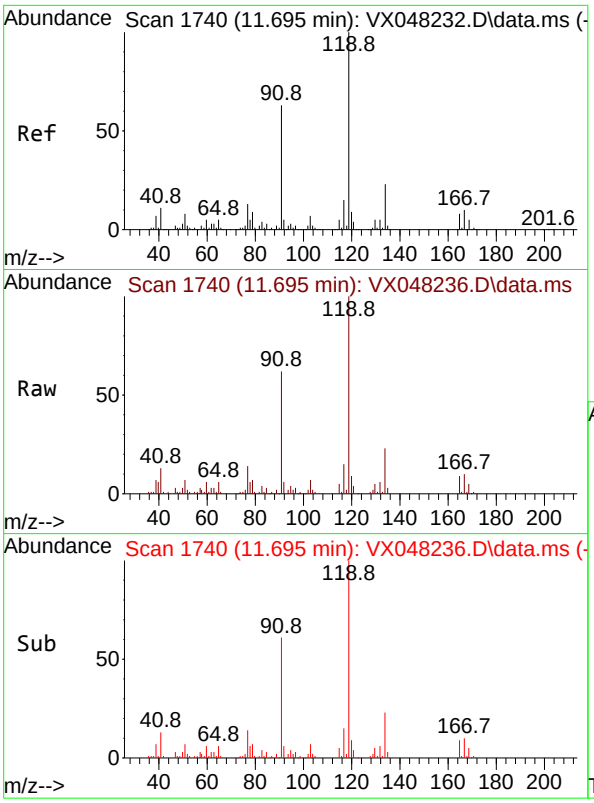



#82
4-Chlorotoluene
Concen: 5.017 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 91 Resp: 31357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.1 | 14.1 | 42.4 |

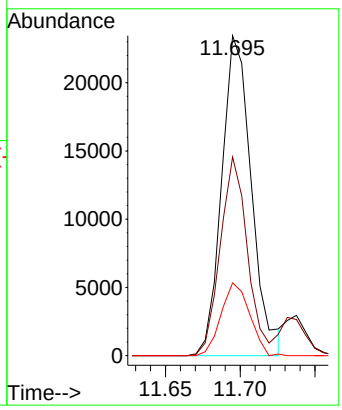





#83
tert-Butylbenzene
Concen: 5.086 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:119 Resp: 3229

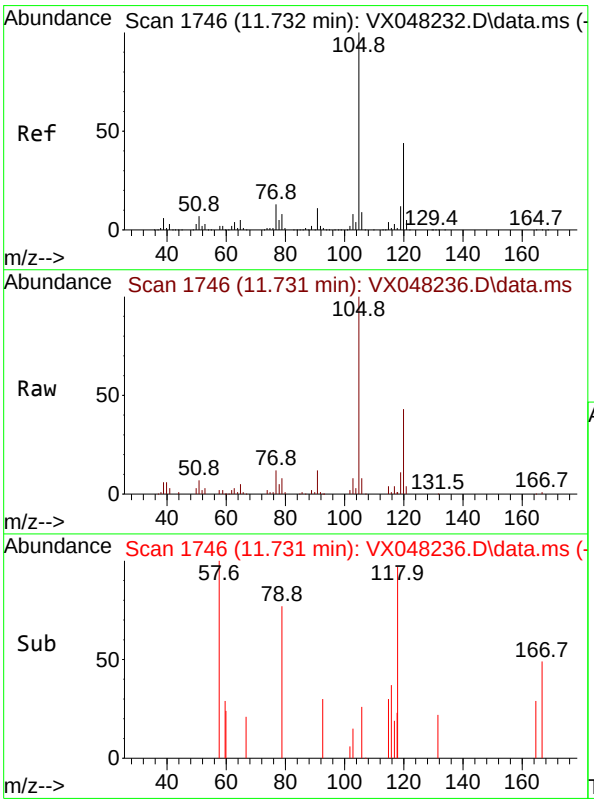
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 56.8 | 30.3 | 91.0 |
| 134 | 22.0 | 11.4 | 34.2 |




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

**Manual Integrations APPROVED**

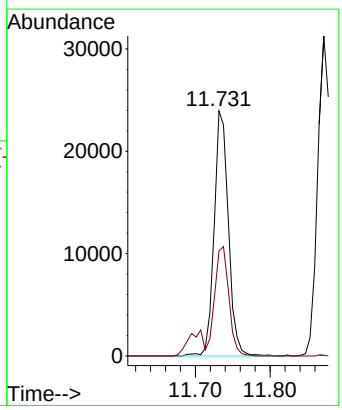
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

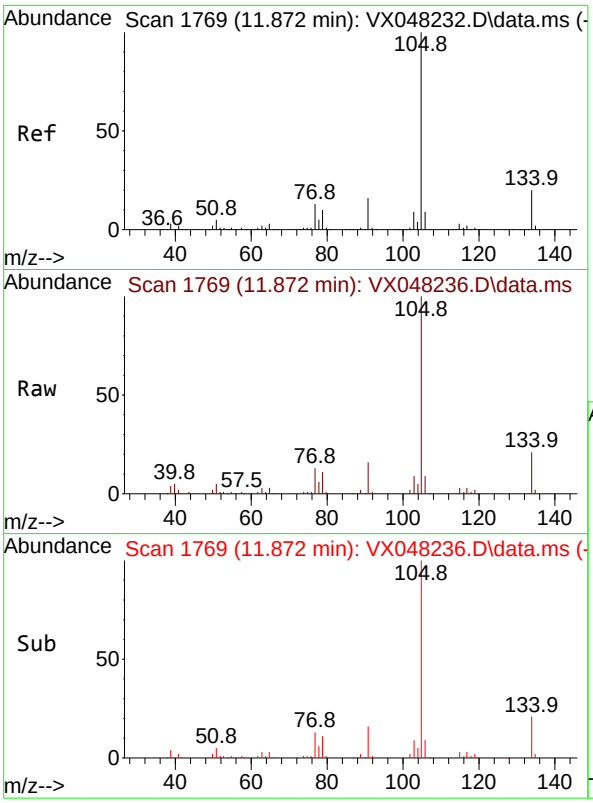



#84
1,2,4-Trimethylbenzene
Concen: 5.129 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:105 Resp: 31709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 22.1 | 66.5 |






#85
sec-Butylbenzene
Concen: 5.118 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

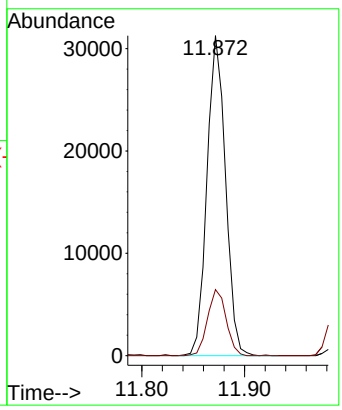
Tgt Ion:105 Resp: 3911

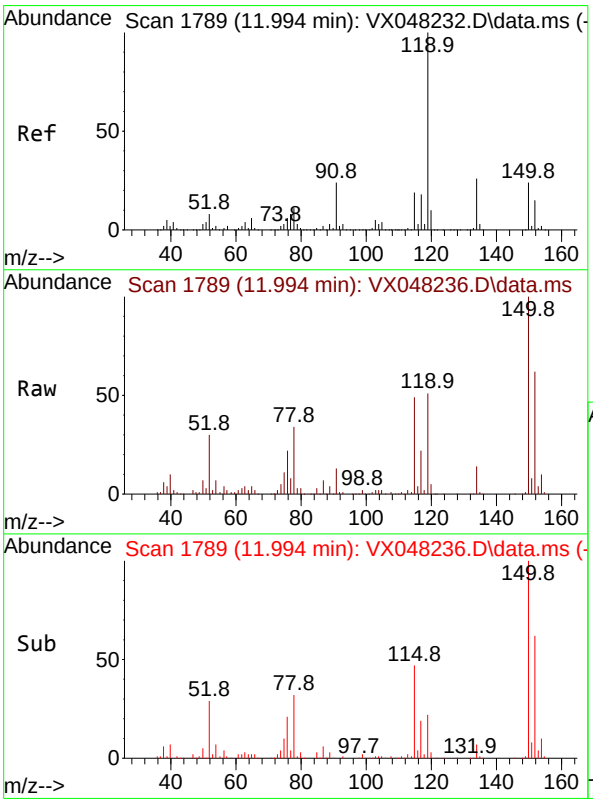
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.8 | 10.1 | 30.1 |

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

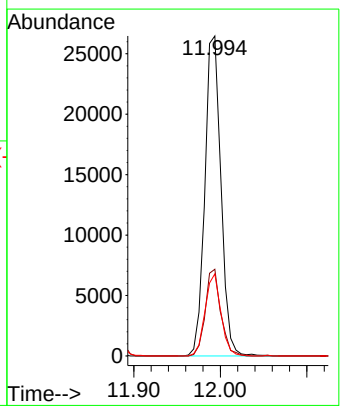


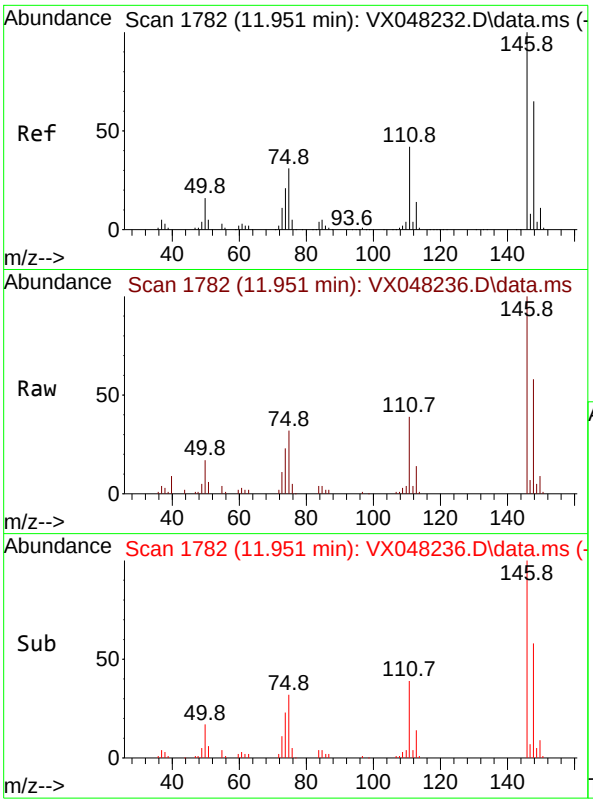




#86
p-Isopropyltoluene
Concen: 5.185 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:119 Resp: 34155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 13.0 | 39.0 |
| 91 | 25.3 | 12.1 | 36.3 |

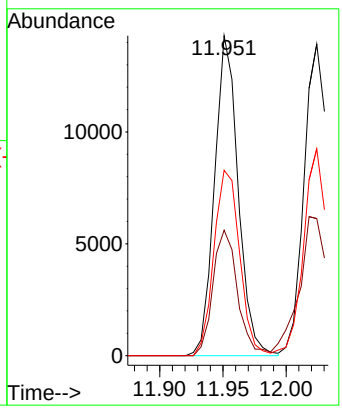





#87
1,3-Dichlorobenzene
Concen: 5.256 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:146 Resp: 1854

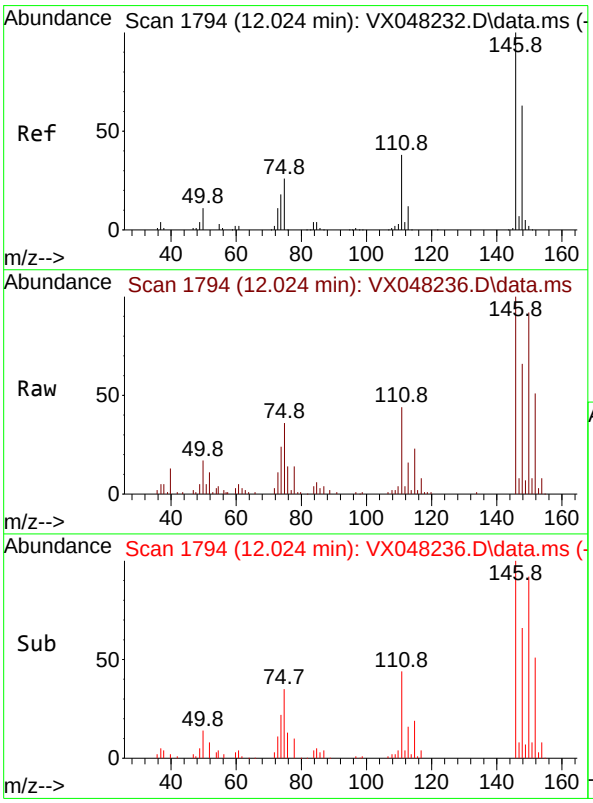
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 20.4 | 61.2 |
| 148 | 63.1 | 31.9 | 95.9 |




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

**Manual Integrations**
**APPROVED**

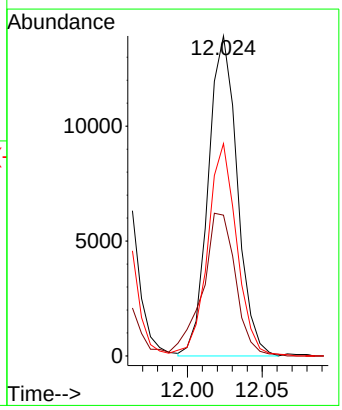
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

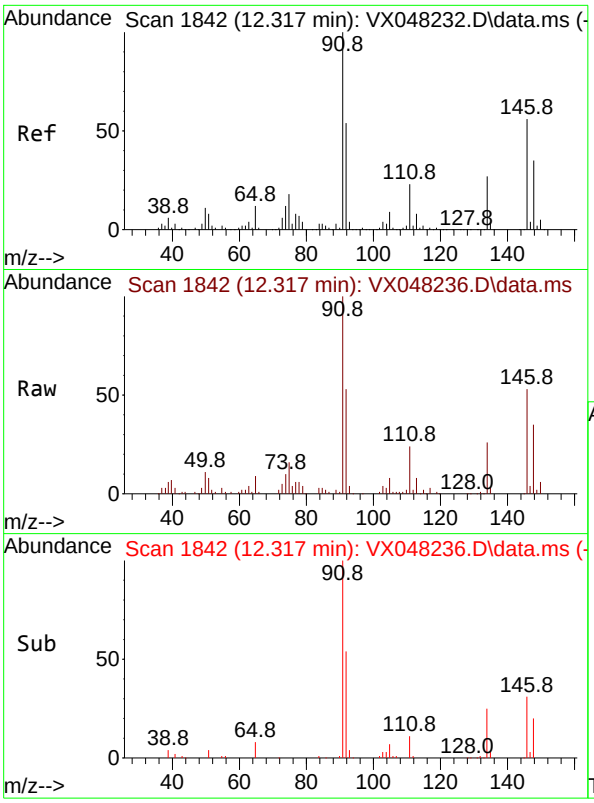



#88
1,4-Dichlorobenzene
Concen: 5.081 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:146 Resp: 18787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 50.9 | 20.1 | 60.2 |
| 148 | 66.5 | 31.8 | 95.3 |

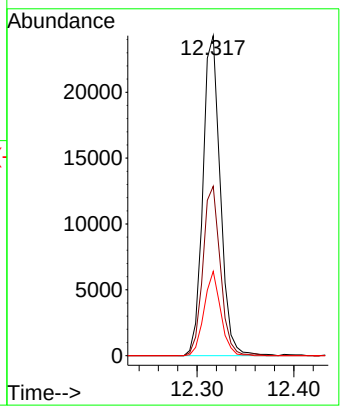





#89
n-Butylbenzene
Concen: 5.069 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 91 Resp: 3040

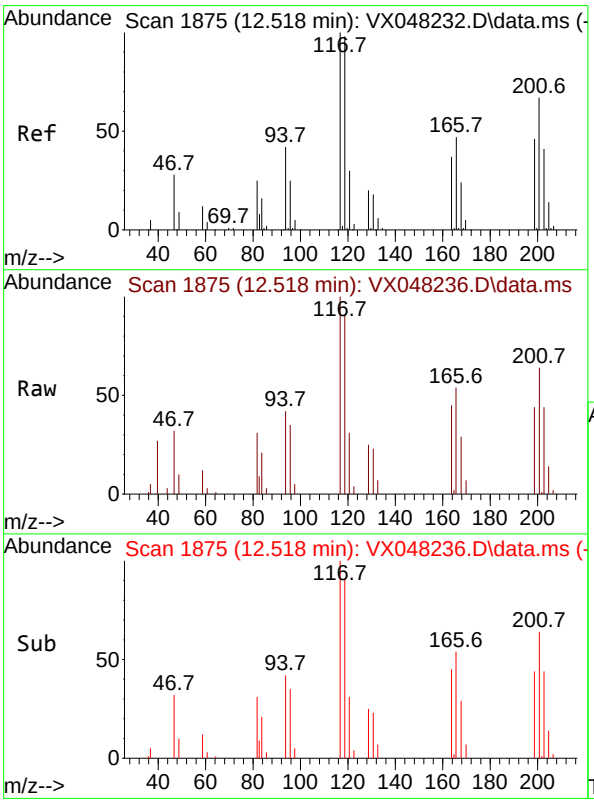
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.9 | 80.6 |
| 134 | 25.2 | 12.7 | 38.1 |




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

**Manual Integrations APPROVED**

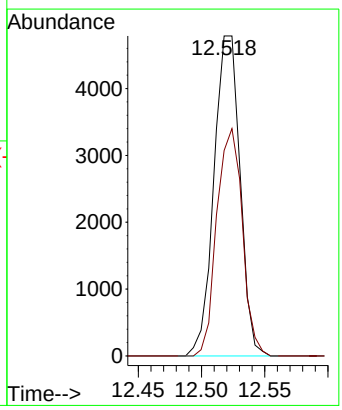
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

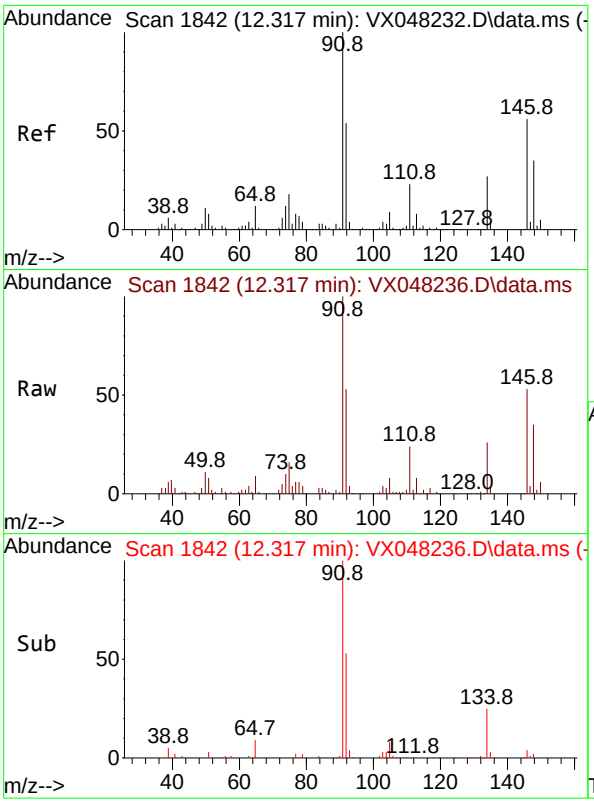



#90
Hexachloroethane
Concen: 5.210 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:117 Resp: 6863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 69.4 | 34.1 | 102.2 |

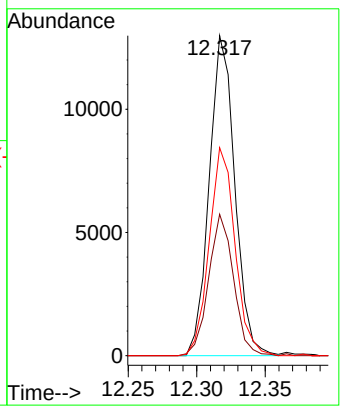





#91
1,2-Dichlorobenzene
Concen: 5.076 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:146 Resp: 1684

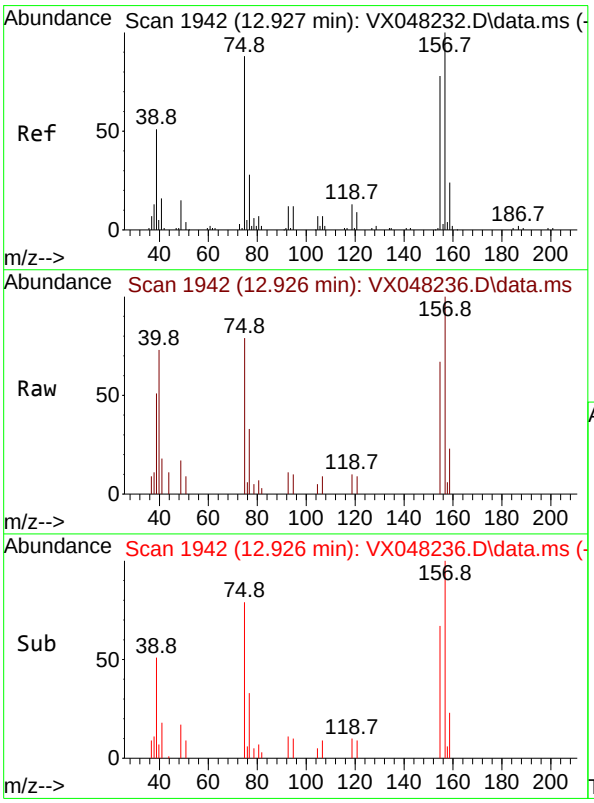
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.9 | 65.5 |
| 148 | 65.9 | 31.9 | 95.5 |




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

**Manual Integrations**
**APPROVED**

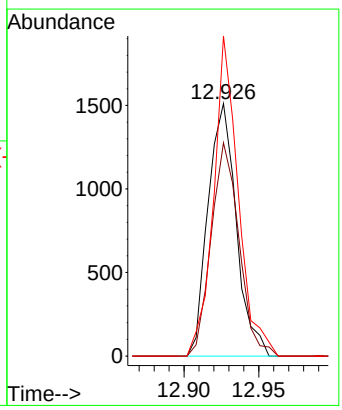
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

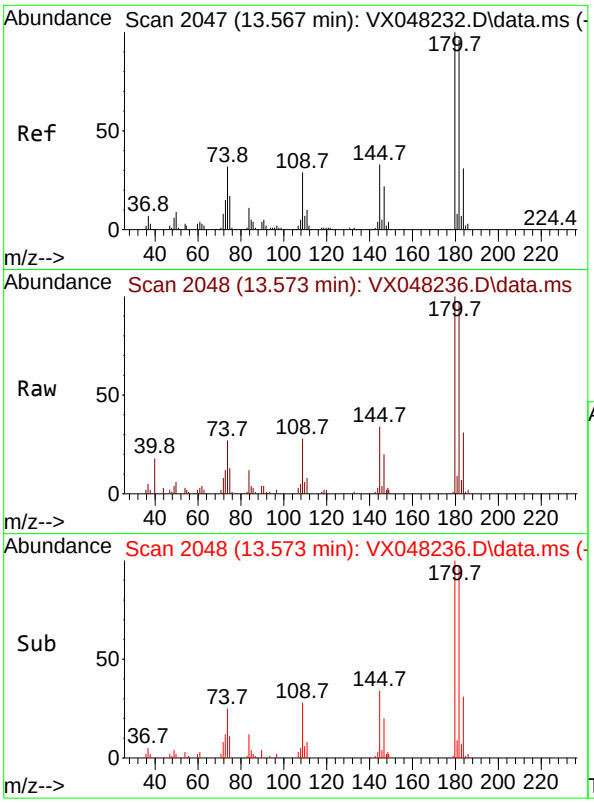



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.680 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 1984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.2 | 42.8 | 128.4 |
| 157 | 110.7 | 54.2 | 162.6 |

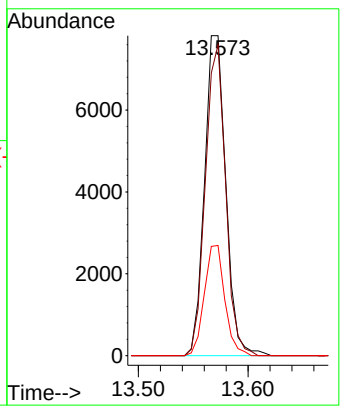





#93
1,2,4-Trichlorobenzene
Concen: 4.693 ug/l
RT: 13.573 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:180 Resp: 1053

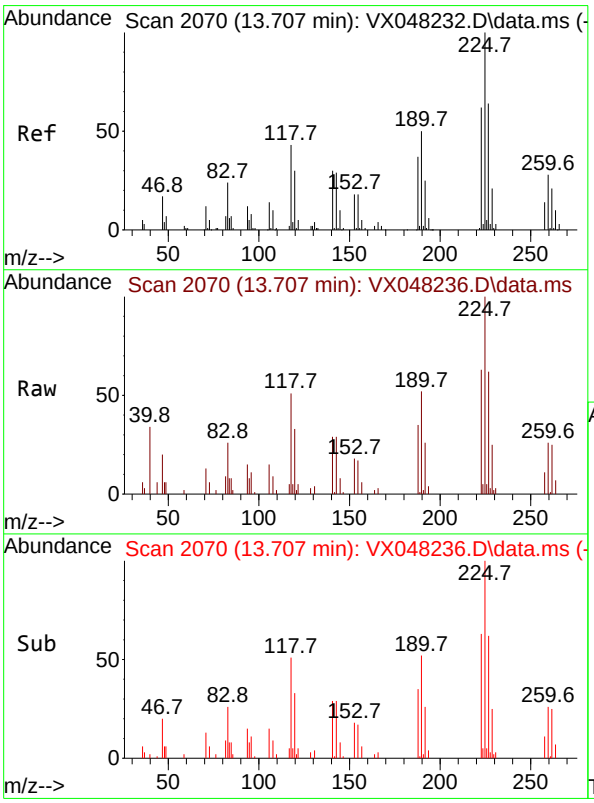
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.5 | 47.3 | 142.0 |
| 145 | 33.2 | 16.3 | 48.9 |




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

**Manual Integrations APPROVED**

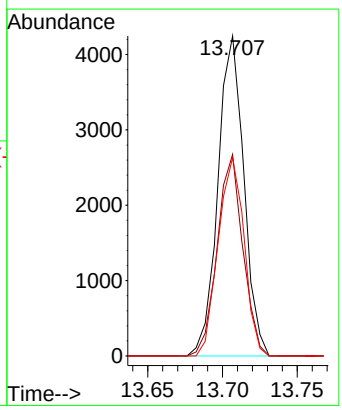
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

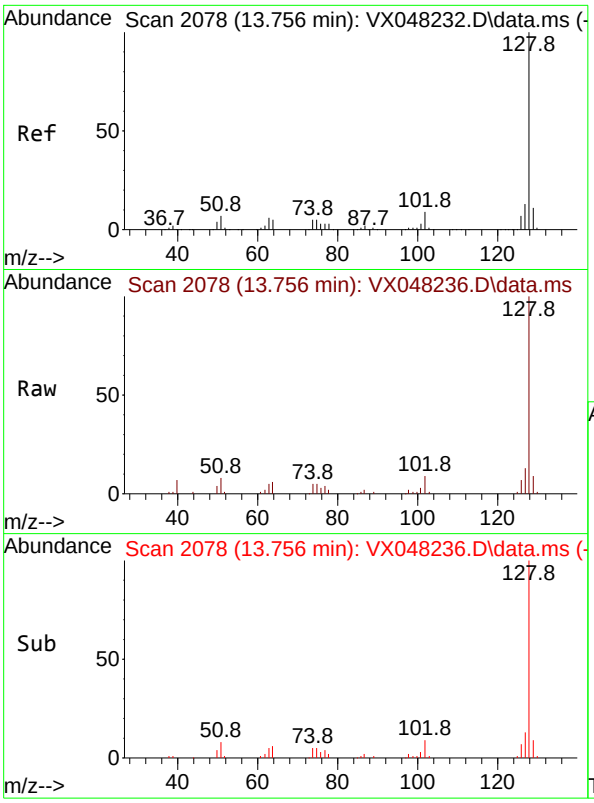



#94
Hexachlorobutadiene
Concen: 4.948 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:225 Resp: 5113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 32.6 | 97.7 |
| 227 | 62.0 | 32.5 | 97.4 |

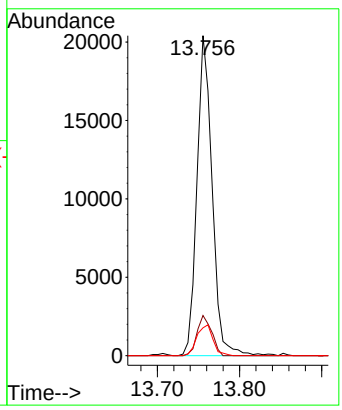





#95
Naphthalene
Concen: 4.374 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:128 Resp: 2621

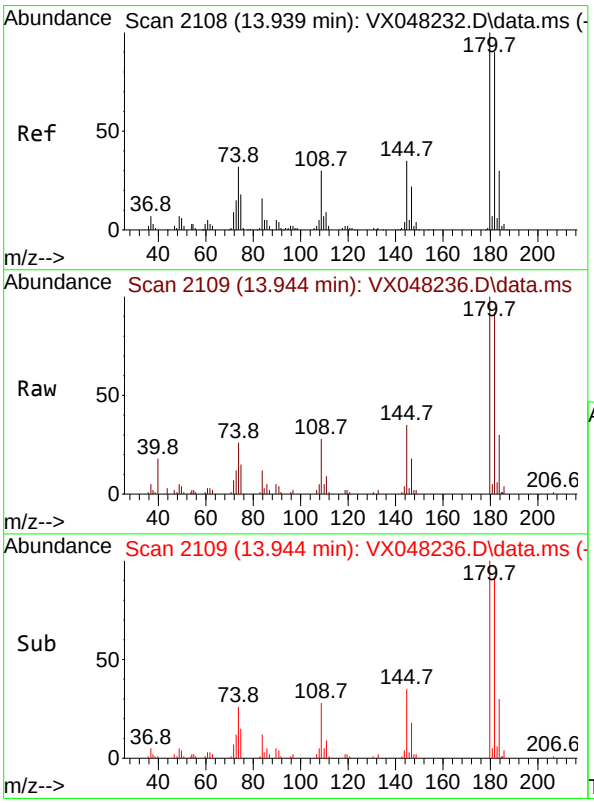
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.0 | 10.2 | 15.4 |
| 129 | 10.2 | 8.6 | 12.8 |




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

**Manual Integrations APPROVED**

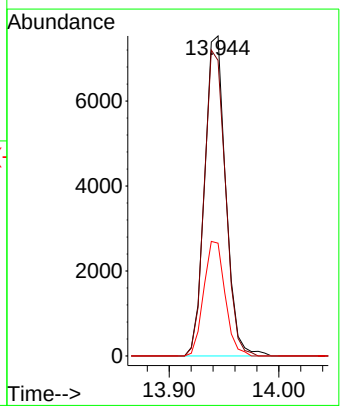
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 4.906 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:180 Resp: 10040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 46.6 | 139.7 |
| 145 | 36.3 | 16.9 | 50.7 |



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.531 | 168 | 144715 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.739 | 114 | 229650 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 201397 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.000 | 152 | 99108 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 92700 | 45.687 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 91.380% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 76746 | 48.951 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.900% | | | |
| 50) Toluene-d8 | 8.628 | 98 | 265898 | 48.386 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 96.780% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 97828 | 46.795 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 93.580% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 76365 | 51.331 | ug/l | 99 |
| 3) Chloromethane | 1.301 | 50 | 74279 | 53.491 | ug/l | 99 |
| 4) Vinyl Chloride | 1.380 | 62 | 71290 | 55.441 | ug/l | 99 |
| 5) Bromomethane | 1.611 | 94 | 47863 | 54.847 | ug/l | 96 |
| 6) Chloroethane | 1.691 | 64 | 42556 | 56.320 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 128754 | 52.209 | ug/l | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 37292 | 53.742 | ug/l | 89 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 83688 | 53.589 | ug/l | 96 |
| 10) Methyl Iodide | 2.453 | 142 | 94222 | 47.994 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.934 | 59 | 45064 | 223.693 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.319 | 96 | 79070 | 52.043 | ug/l | 92 |
| 13) Acrolein | 2.233 | 56 | 51257 | 249.473 | ug/l | 98 |
| 14) Allyl chloride | 2.660 | 41 | 128896 | 51.099 | ug/l | 97 |
| 15) Acrylonitrile | 3.050 | 53 | 182260 | 250.900 | ug/l | 100 |
| 16) Acetone | 2.373 | 43 | 152988 | 219.789 | ug/l | 96 |
| 17) Carbon Disulfide | 2.514 | 76 | 233630 | 48.792 | ug/l | 99 |
| 18) Methyl Acetate | 2.697 | 43 | 71506 | 49.190 | ug/l | 94 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 254812 | 49.162 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 86610 | 51.066 | ug/l | 92 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 85000 | 50.932 | ug/l | 96 |
| 22) Diisopropyl ether | 3.745 | 45 | 259934 | 51.665 | ug/l | 99 |
| 23) Vinyl Acetate | 3.709 | 43 | 1045584 | 260.168 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 150557 | 49.490 | ug/l | 99 |
| 25) 2-Butanone | 4.532 | 43 | 209999 | 238.354 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.458 | 77 | 132433 | 48.230 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.471 | 96 | 98066 | 50.350 | ug/l | 96 |
| 28) Bromochloromethane | 4.879 | 49 | 58764 | 46.587 | ug/l | 87 |
| 29) Tetrahydrofuran | 4.977 | 42 | 127995 | 242.572 | ug/l | 95 |
| 30) Chloroform | 5.074 | 83 | 157397 | 48.427 | ug/l | 99 |
| 31) Cyclohexane | 5.458 | 56 | 132594 | 52.646 | ug/l | 92 |
| 32) 1,1,1-Trichloroethane | 5.361 | 97 | 144706 | 48.309 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.672 | 75 | 109957 | 49.344 | ug/l | 100 |
| 37) Ethyl Acetate | 4.690 | 43 | 88074 | 47.684 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.659 | 117 | 132590 | 48.228 | ug/l | 99 |
| 39) Methylcyclohexane | 7.360 | 83 | 138611 | 52.670 | ug/l | 94 |
| 40) Benzene | 6.019 | 78 | 325041 | 50.241 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.891 | 41 | 48846 | 50.358 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.068 | 62 | 116893 | 48.963 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.318 | 43 | 151140 | 49.816 | ug/l | | 95 |
| 44) Trichloroethene | 7.104 | 130 | 86410 | 50.582 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 78439 | 50.994 | ug/l | | 98 |
| 46) Dibromomethane | 7.562 | 93 | 58616 | 48.913 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.799 | 83 | 125388 | 48.459 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.671 | 41 | 75812 | 49.519 | ug/l | | 94 |
| 49) 1,4-Dioxane | 7.635 | 88 | 20230 | 1000.197 | ug/l | | 90 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 428393 | 244.897 | ug/l | | 95 |
| 52) Toluene | 8.702 | 92 | 205867 | 50.088 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.958 | 75 | 124683 | 50.004 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 134360 | 49.944 | ug/l | | 93 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 75808 | 49.597 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.098 | 69 | 111702 | 49.964 | ug/l | | 94 |
| 57) 1,3-Dichloropropane | 9.287 | 76 | 128519 | 49.226 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.220 | 63 | 290992 | 242.124 | ug/l | | 96 |
| 59) 2-Hexanone | 9.409 | 43 | 300183 | 246.102 | ug/l | | 96 |
| 60) Dibromochloromethane | 9.500 | 129 | 97643 | 47.530 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 80363 | 49.319 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.256 | 164 | 73198 | 48.686 | ug/l | | 95 |
| 65) Chlorobenzene | 10.061 | 112 | 226953 | 50.095 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.140 | 131 | 81561 | 49.014 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 391830 | 50.798 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.281 | 106 | 293516 | 102.416 | ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 139515 | 50.424 | ug/l | | 99 |
| 70) Styrene | 10.634 | 104 | 243341 | 51.651 | ug/l | | 100 |
| 71) Bromoform | 10.781 | 173 | 64170 | 48.250 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 373948 | 51.658 | ug/l | | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 131979 | 51.399 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 98715 | 49.936 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 81093m | 50.456 | ug/l | | |
| 77) Bromobenzene | 11.177 | 156 | 91000 | 50.135 | ug/l | | 94 |
| 78) n-propylbenzene | 11.287 | 91 | 435662 | 51.980 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.341 | 91 | 257936 | 50.760 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 305027 | 50.918 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 33027 | 49.995 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 304670 | 50.507 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.695 | 119 | 309524 | 50.288 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 308529 | 51.607 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 379368 | 51.230 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.988 | 119 | 324425 | 50.686 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 165027 | 48.229 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 168102 | 47.423 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.311 | 91 | 289706 | 49.728 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 61223 | 48.437 | ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 157812 | 49.123 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 19691 | 49.072 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 101983 | 46.941 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 39299 | 48.274 | ug/l | | 99 |
| 95) Naphthalene | 13.756 | 128 | 289882 | 50.362 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 96139 | 48.223 | ug/l | | 97 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

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

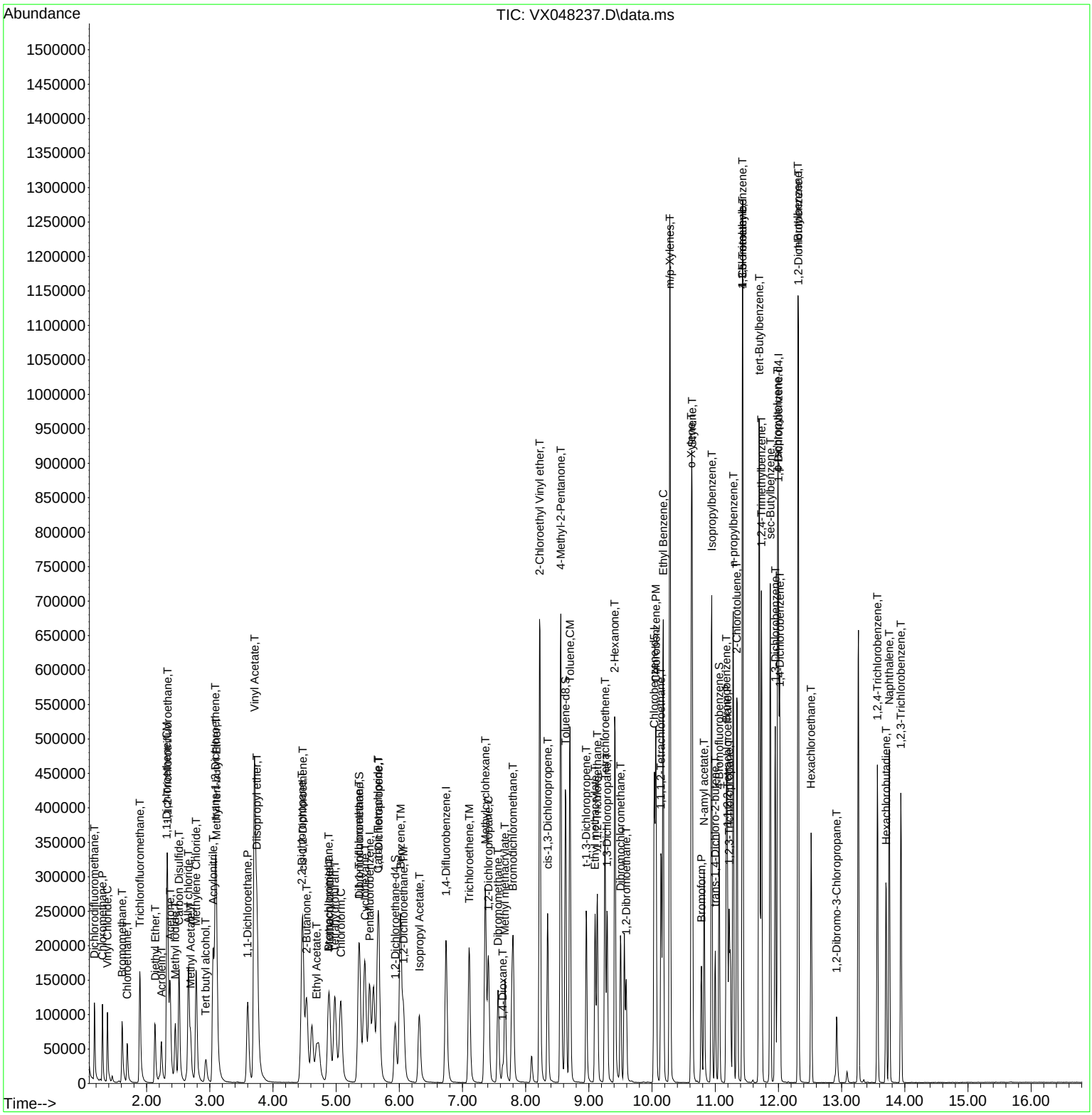
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Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

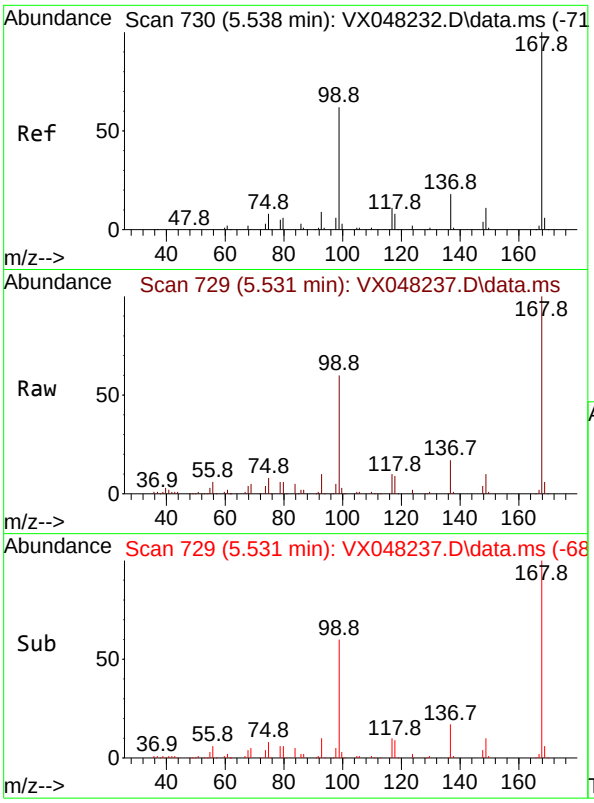
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Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

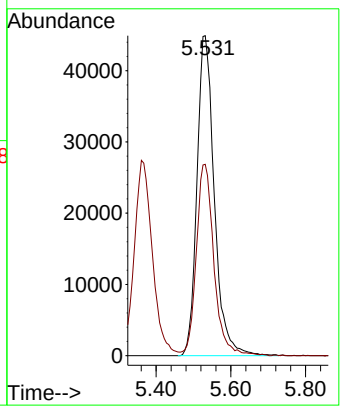





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:168 Resp: 14471

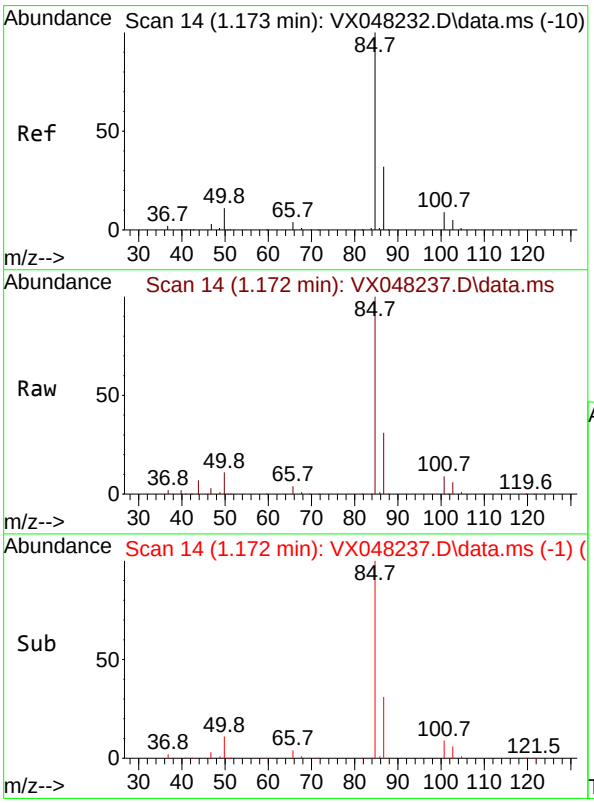
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.7 | 46.4 | 69.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

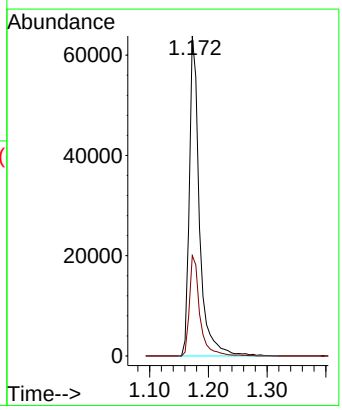
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

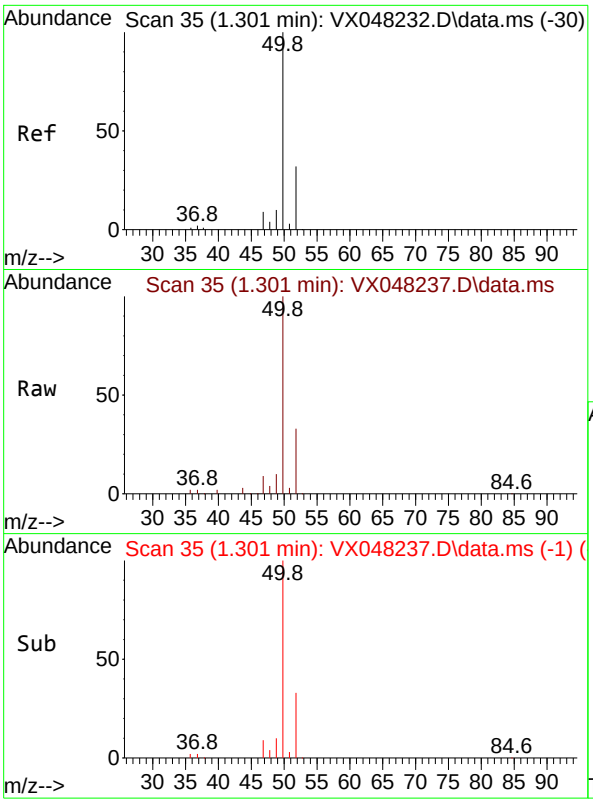



#2
Dichlorodifluoromethane
Concen: 51.331 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 85 Resp: 76365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.4 | 15.3 | 45.9 |

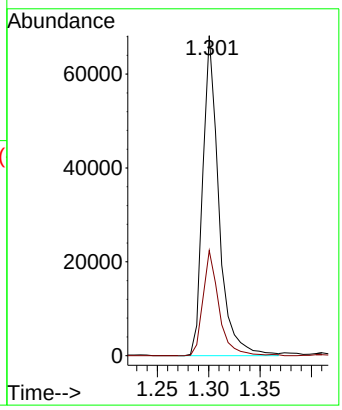





#3
Chloromethane
Concen: 53.491 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 50 Resp: 7427

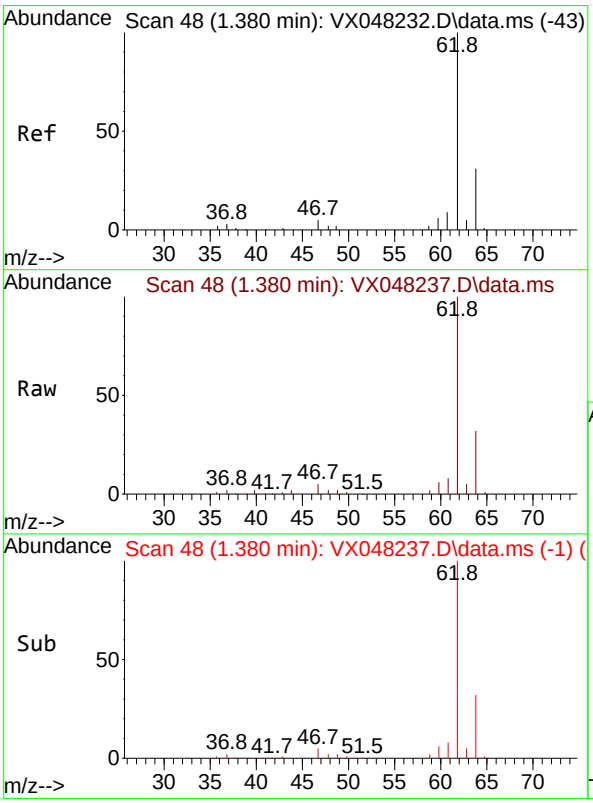
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.9 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

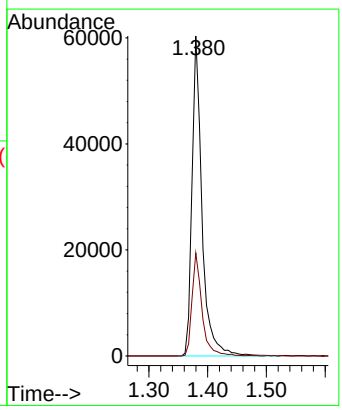
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

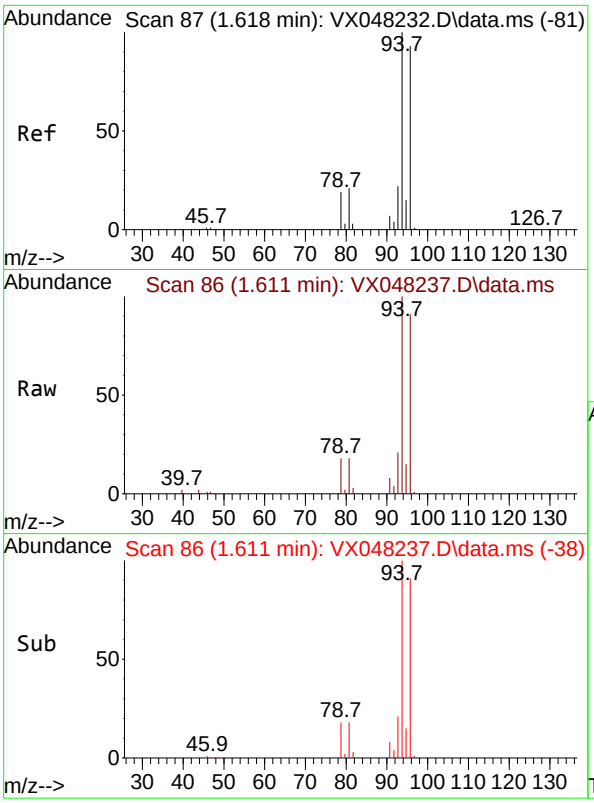



#4
Vinyl Chloride
Concen: 55.441 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 62 Resp: 71290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.2 | 25.1 | 37.7 |

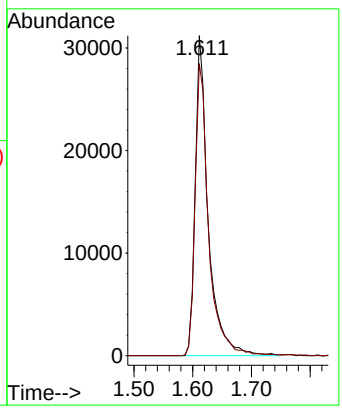





#5
Bromomethane
Concen: 54.847 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 94 Resp: 4786

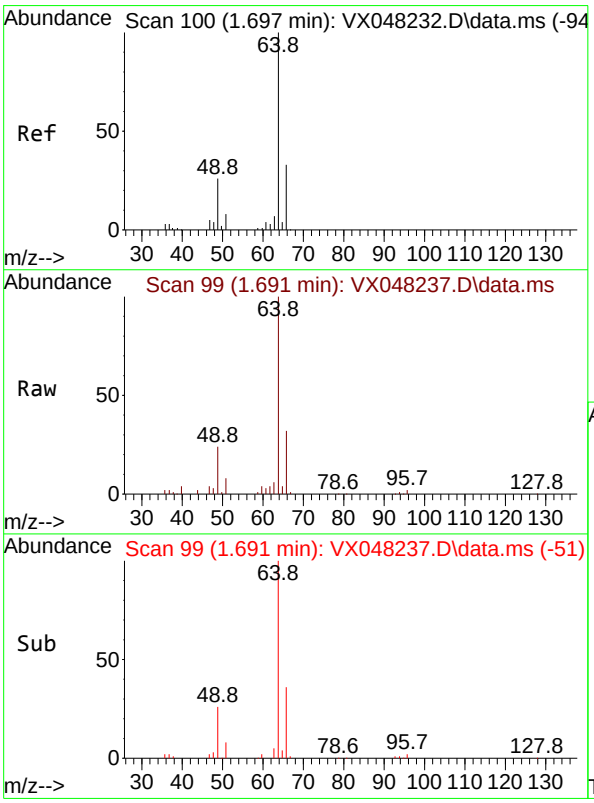
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.2 | 76.0 | 114.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

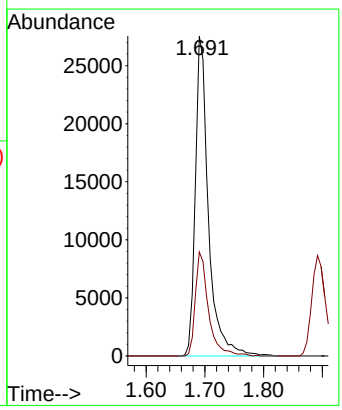
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

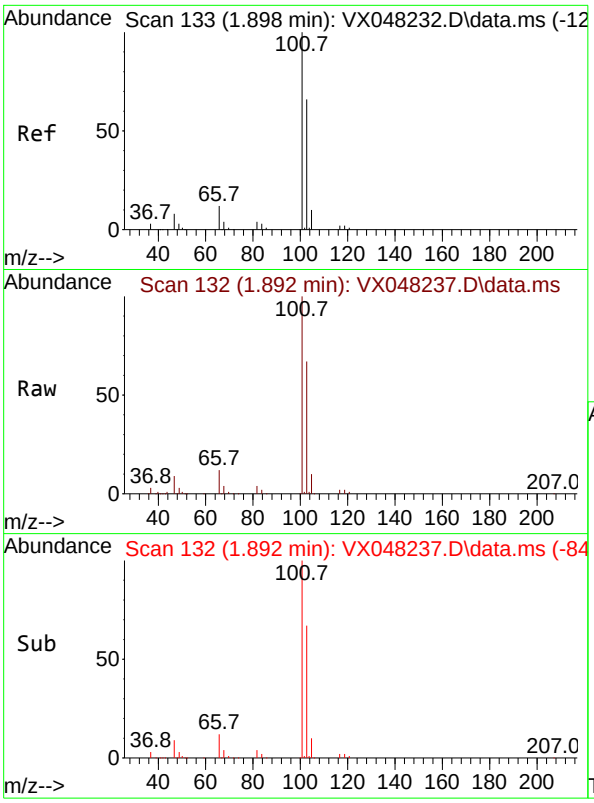



#6
Chloroethane
Concen: 56.320 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 64 Resp: 42556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.5 | 23.9 | 35.9 |

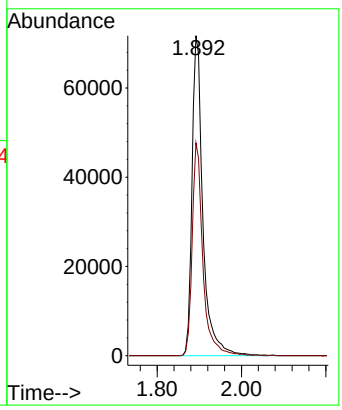





#7
Trichlorofluoromethane
Concen: 52.209 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:101 Resp: 12875

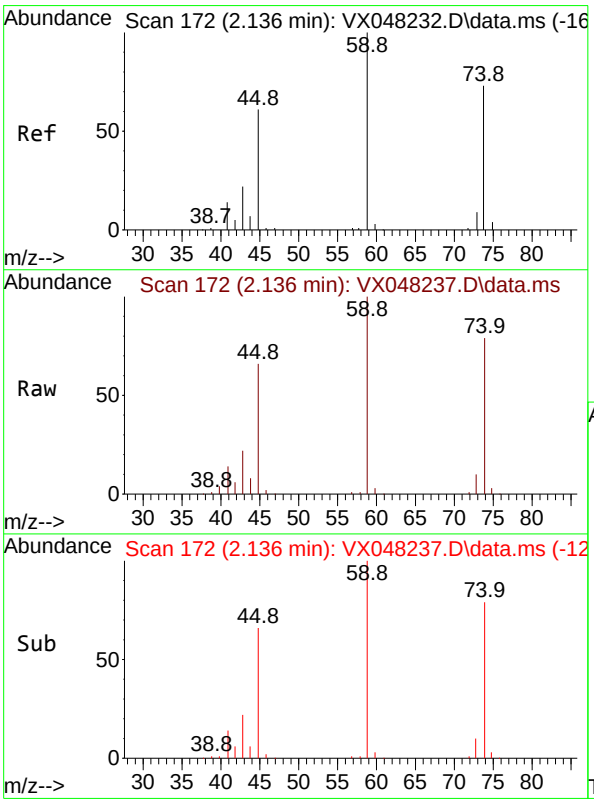
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.5 | 51.6 | 77.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

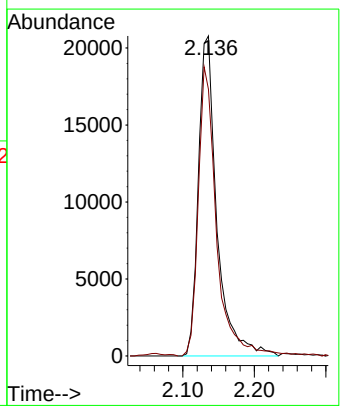
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

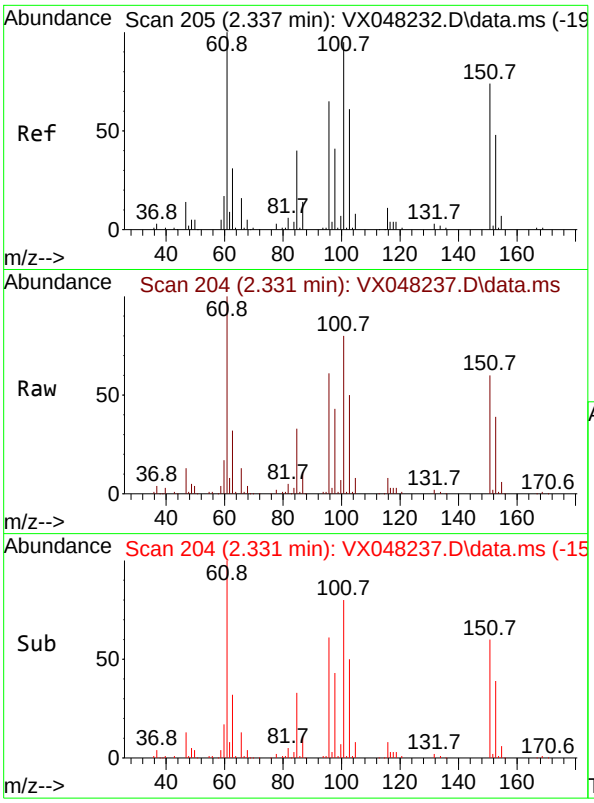



#8
Diethyl Ether
Concen: 53.742 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 74 Resp: 37292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 89.3 | 50.0 | 149.8 |

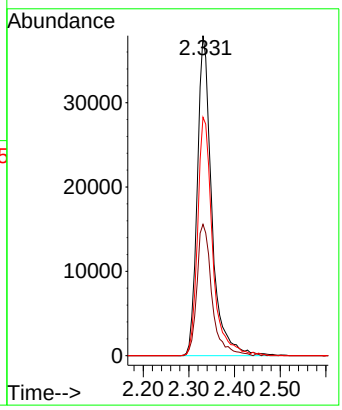





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.589 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:101 Resp: 8368

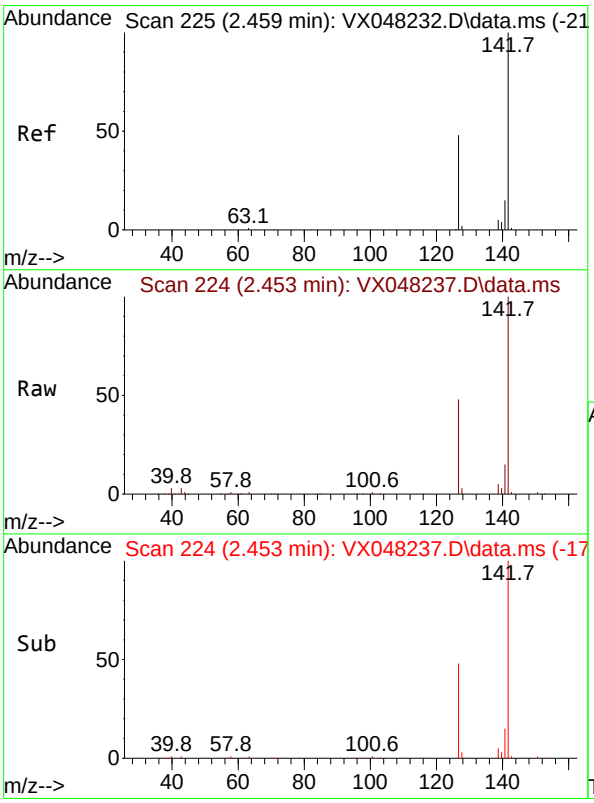
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.4 | 35.6 | 53.4 |
| 151 | 76.9 | 58.0 | 87.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

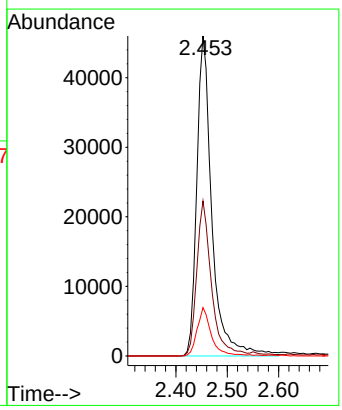
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

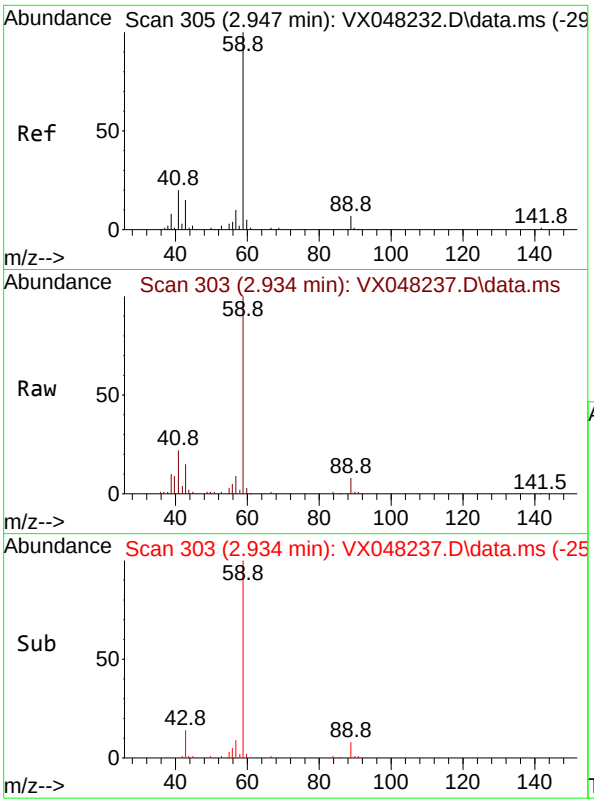



#10
Methyl Iodide
Concen: 47.994 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:142 Resp: 94222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.9 | 38.5 | 57.7 |
| 141 | 14.3 | 11.6 | 17.4 |

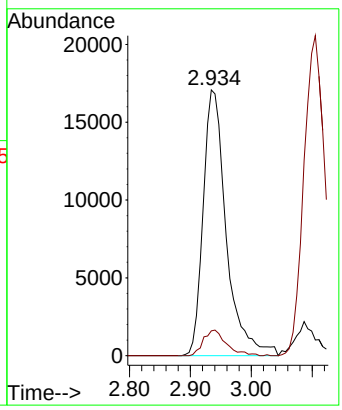





#11
Tert butyl alcohol
Concen: 223.693 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 59 Resp: 4506

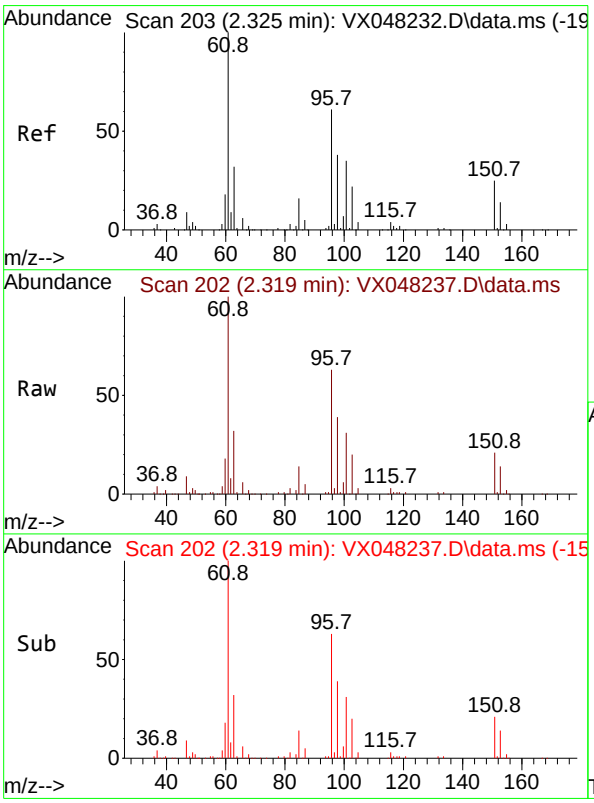
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.6 | 8.2 | 12.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

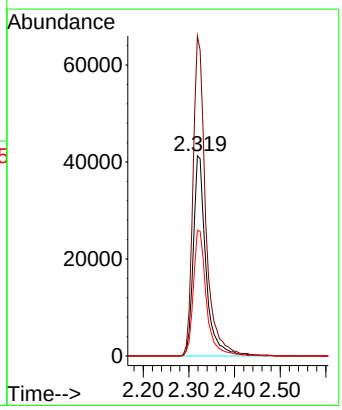
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

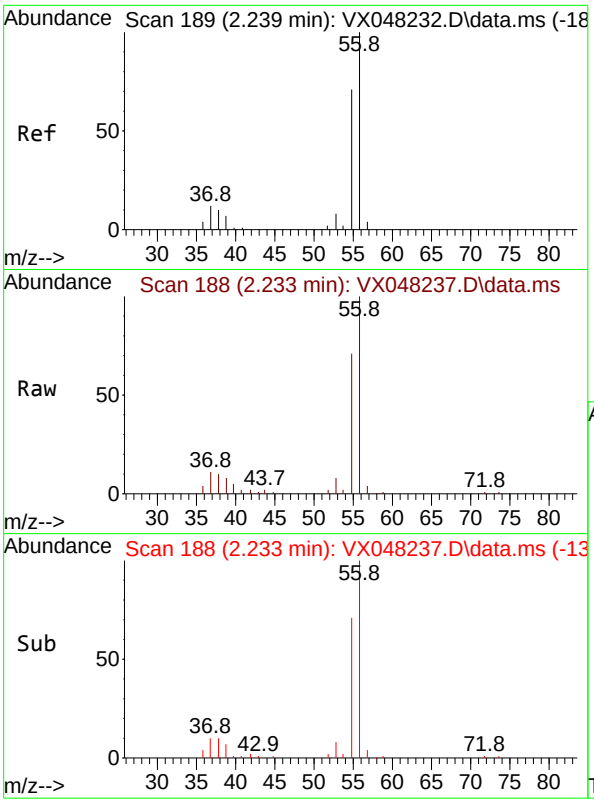



#12
1,1-Dichloroethene
Concen: 52.043 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 96 Resp: 79070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.8 | 139.0 | 208.6 |
| 98 | 62.7 | 52.4 | 78.6 |

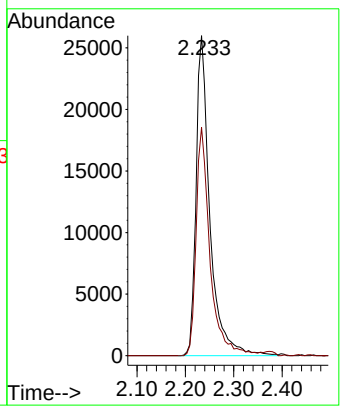





#13
Acrolein
Concen: 249.473 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 56 Resp: 5125

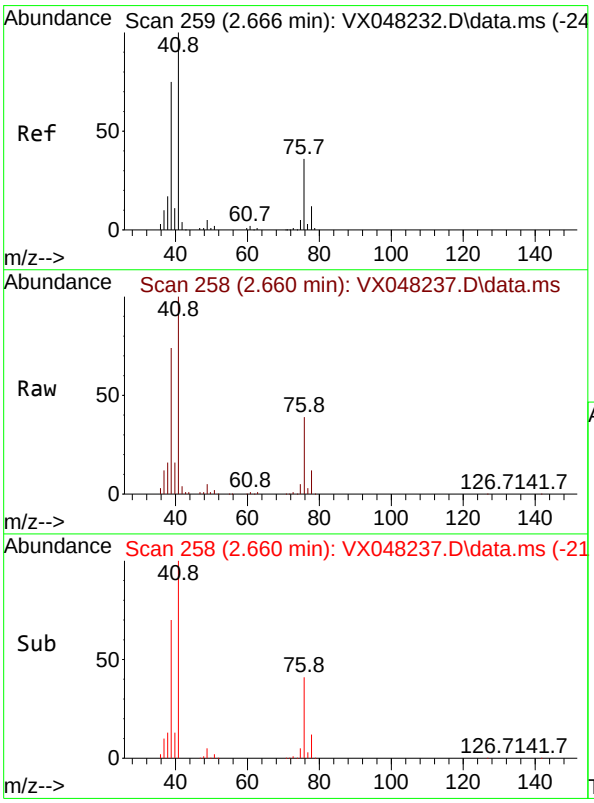
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.7 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

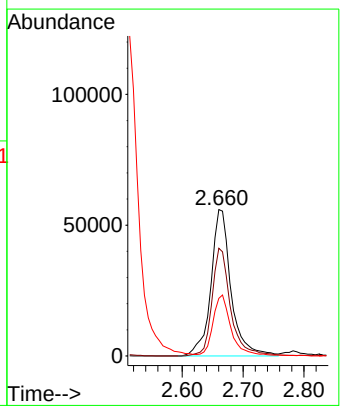
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

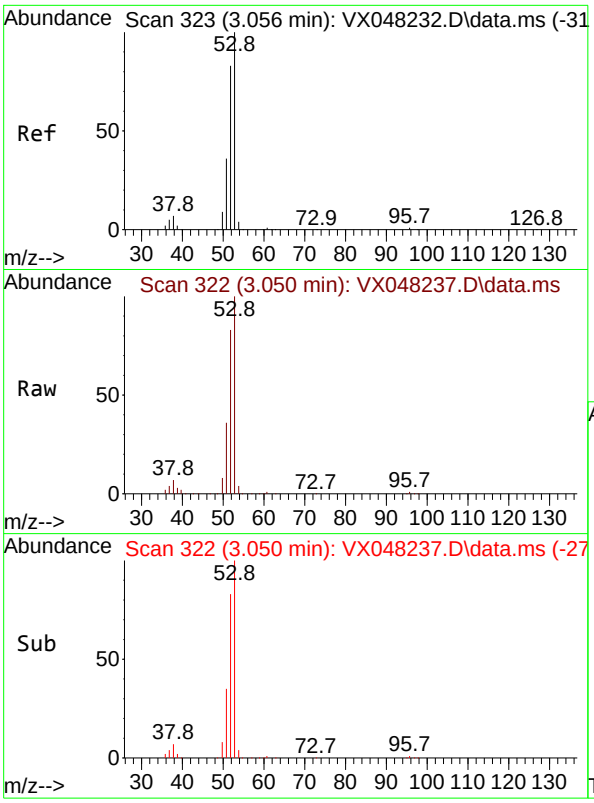



#14
Allyl chloride
Concen: 51.099 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 41 Resp: 128896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 68.0 | 56.0 | 84.0 |
| 76 | 37.0 | 27.5 | 41.3 |

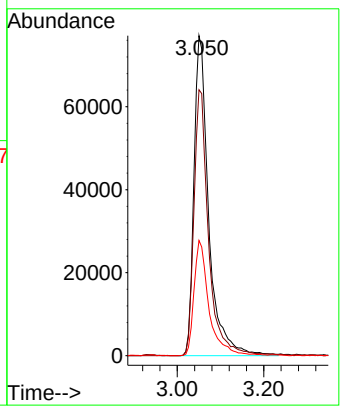





#15
Acrylonitrile
Concen: 250.900 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 53 Resp: 18226

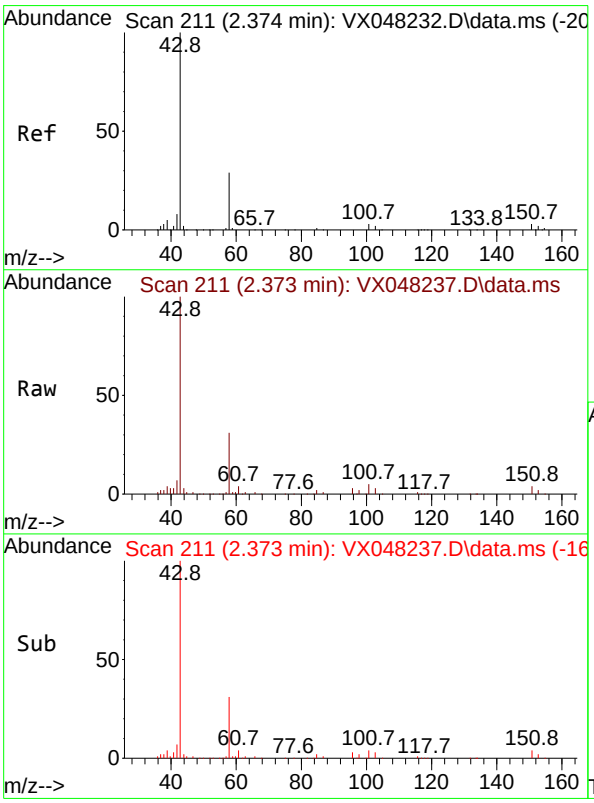
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.6 | 66.1 | 99.1 |
| 51 | 36.8 | 29.0 | 43.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

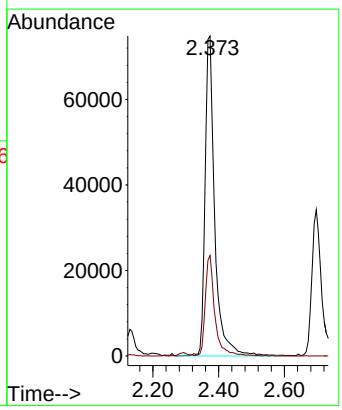
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

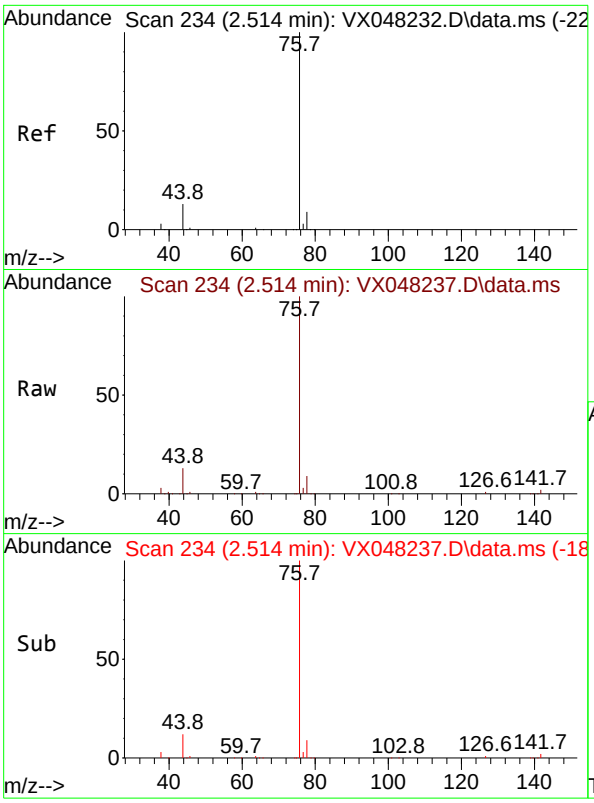



#16
Acetone
Concen: 219.789 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 152988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.4 | 23.4 | 35.2 |

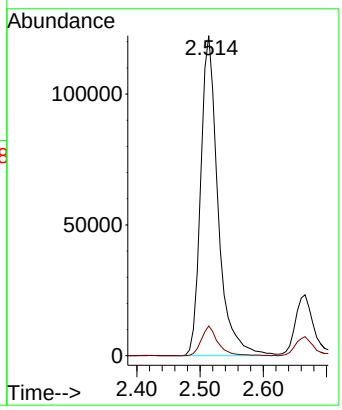





#17
Carbon Disulfide
Concen: 48.792 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 76 Resp: 23363

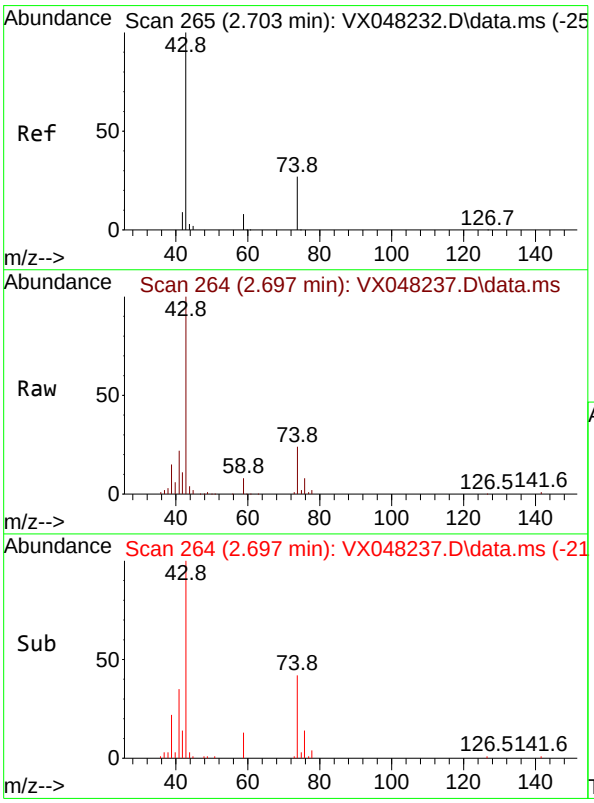
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.1 | 10.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

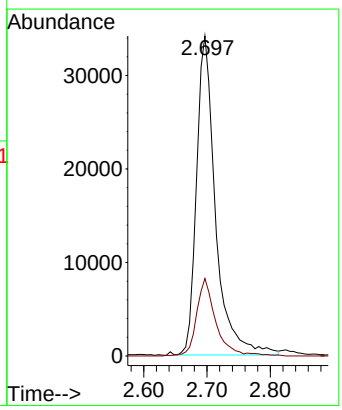
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

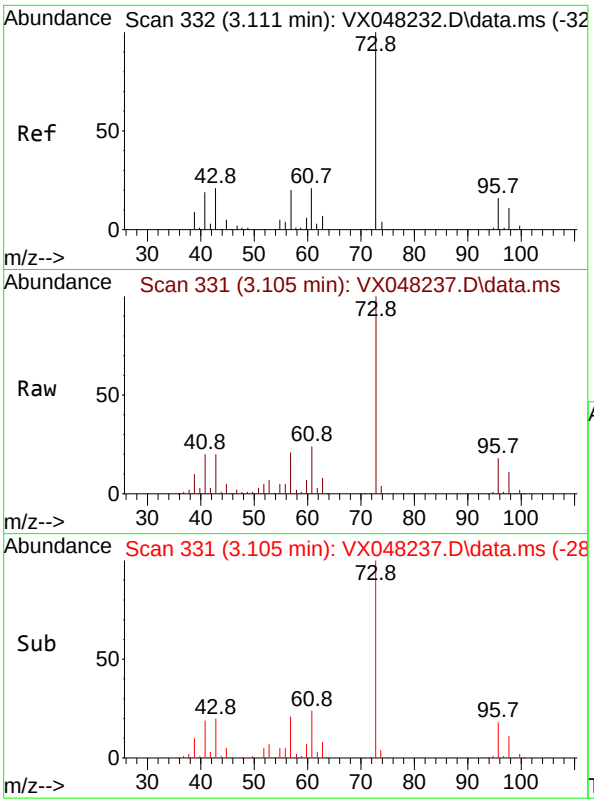



#18
Methyl Acetate
Concen: 49.190 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 71506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.7 | 17.5 | 26.3 |

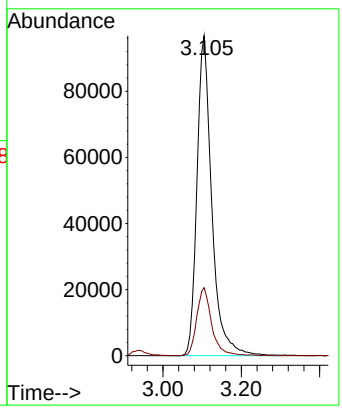





#19
Methyl tert-butyl Ether
Concen: 49.162 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 73 Resp: 25481

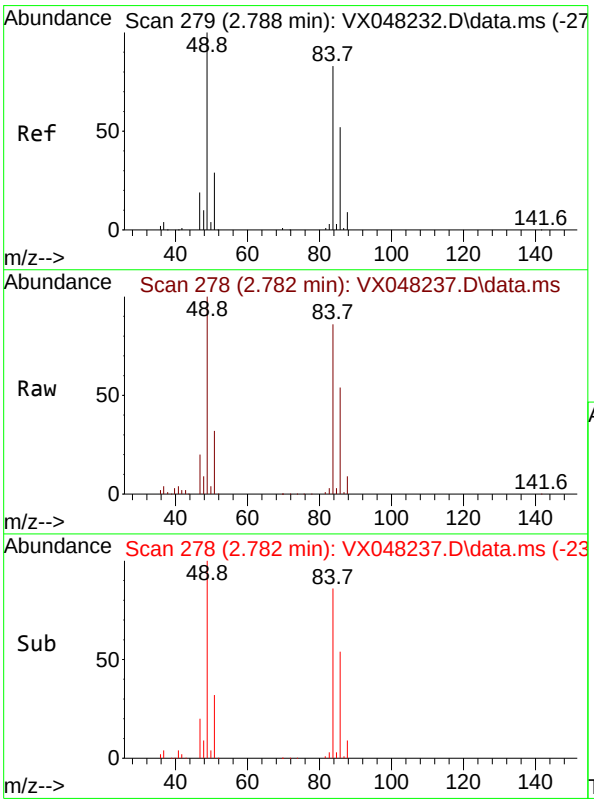
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.2 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

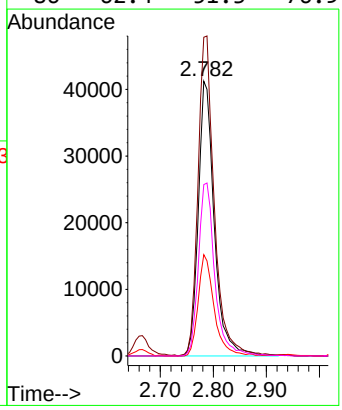
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

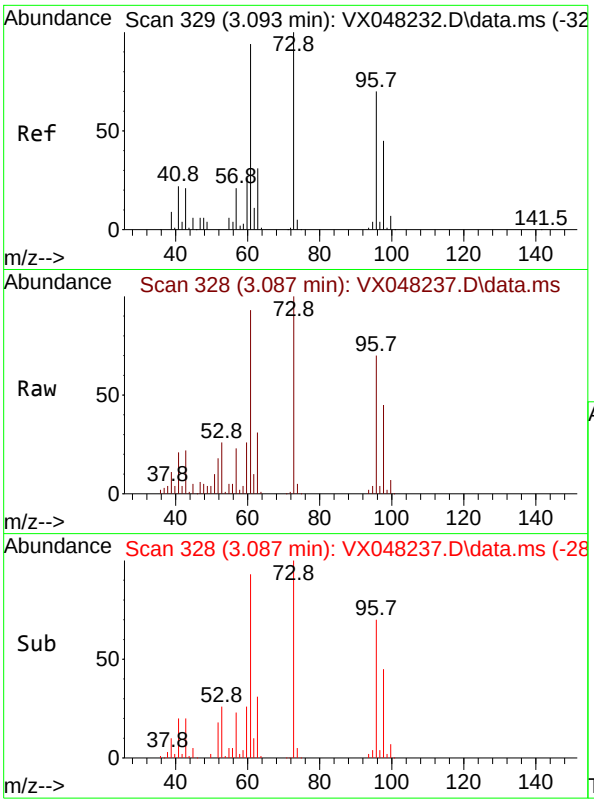



#20
Methylene Chloride
Concen: 51.066 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 84 Resp: 86610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 116.0 | 104.1 | 156.1 |
| 51 | 36.8 | 31.3 | 46.9 |
| 86 | 62.4 | 51.3 | 76.9 |

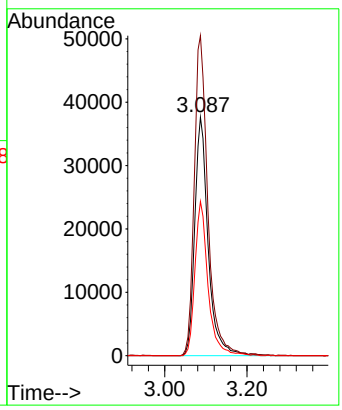





#21
trans-1,2-Dichloroethene
Concen: 50.932 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 96 Resp: 8500

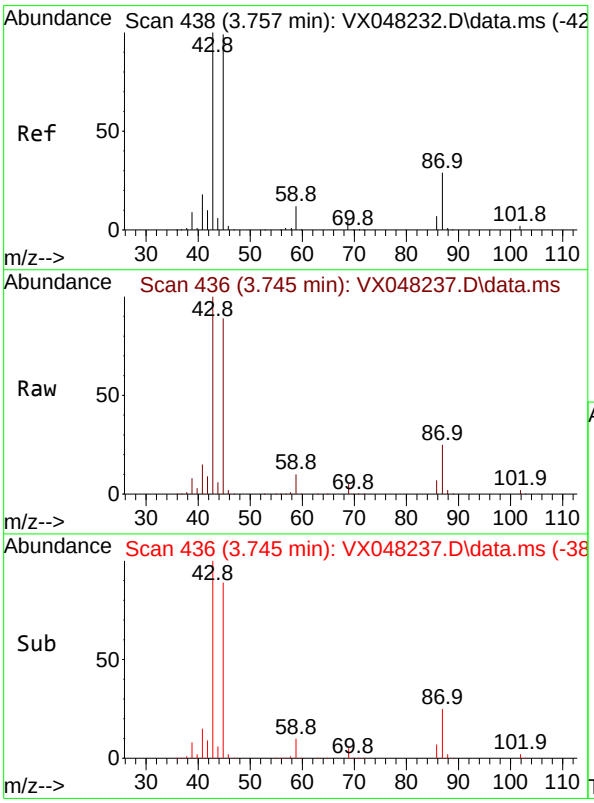
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.2 | 111.9 | 167.9 |
| 98 | 64.7 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

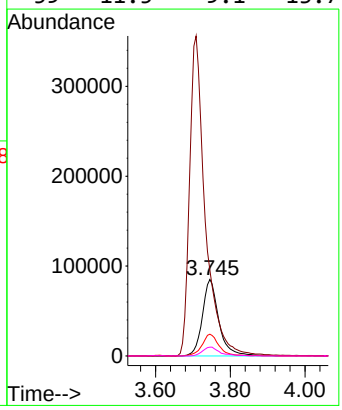
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

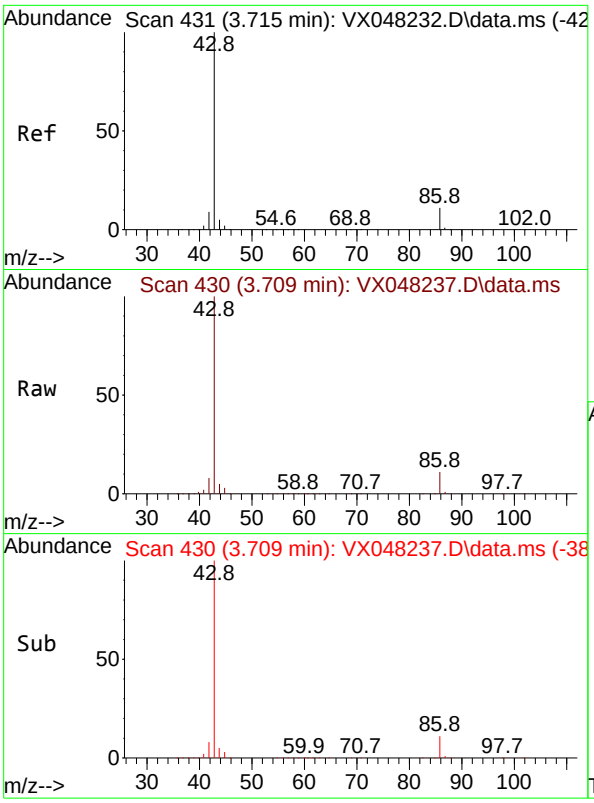



#22
Diisopropyl ether
Concen: 51.665 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 45 Resp: 259934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 111.4 | 89.8 | 134.8 |
| 87 | 28.3 | 20.6 | 31.0 |
| 59 | 11.5 | 9.1 | 13.7 |

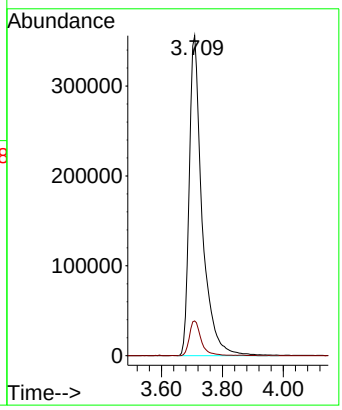





#23
Vinyl Acetate
Concen: 260.168 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 104558

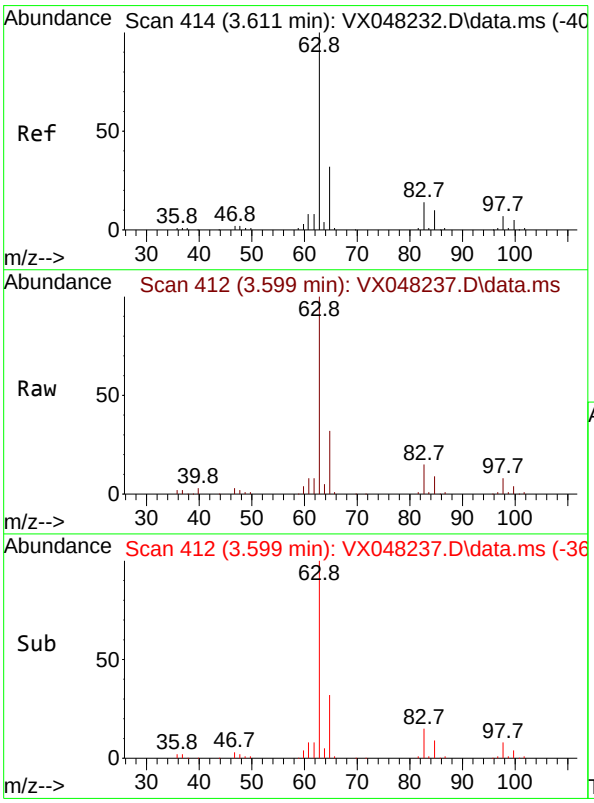
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.9 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

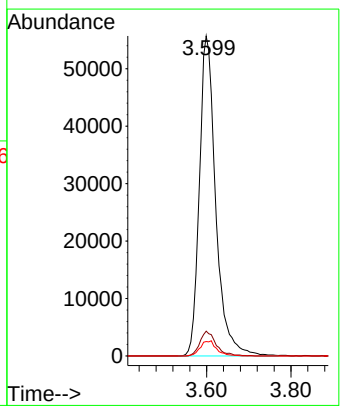
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

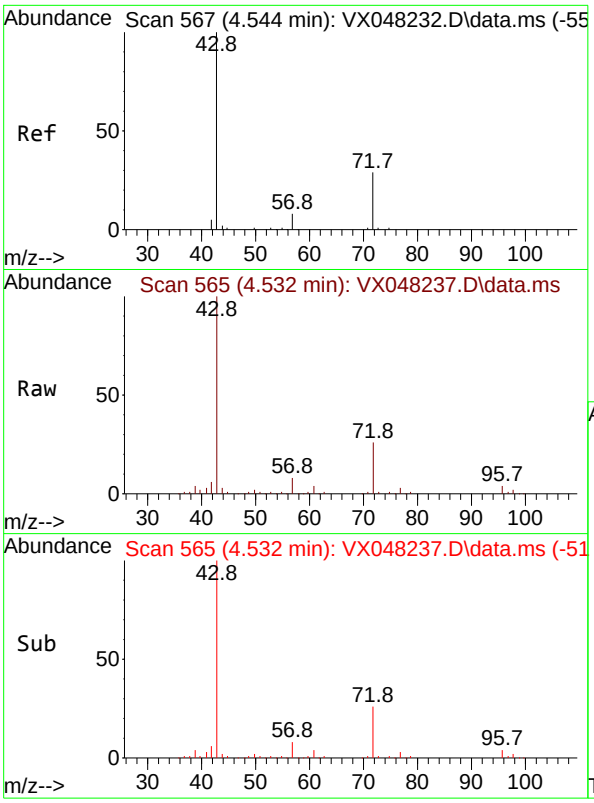



#24
1,1-Dichloroethane
Concen: 49.490 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 63 Resp: 150557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.7 | 3.5 | 10.6 |
| 100 | 4.5 | 2.1 | 6.3 |

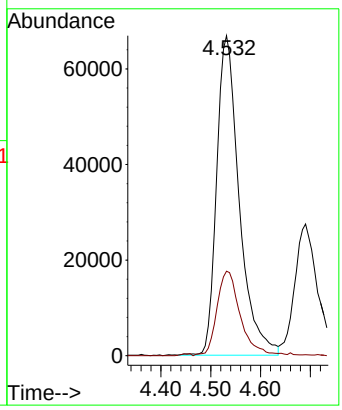





#25
2-Butanone
Concen: 238.354 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 20999

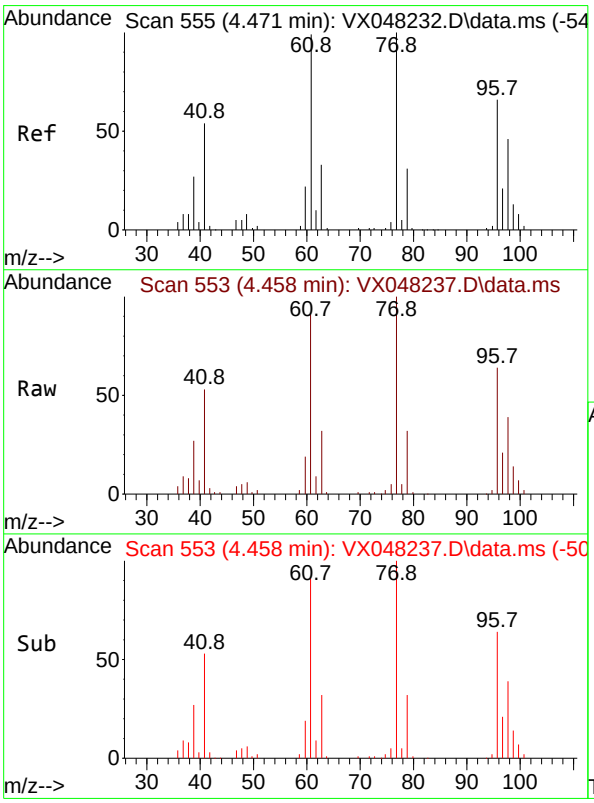
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.3 | 19.9 | 29.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

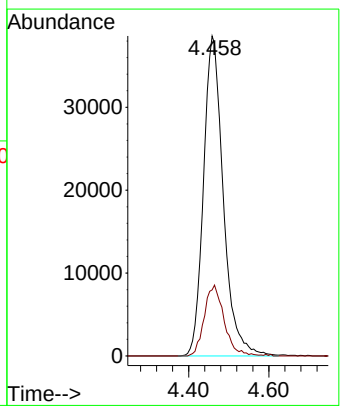
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

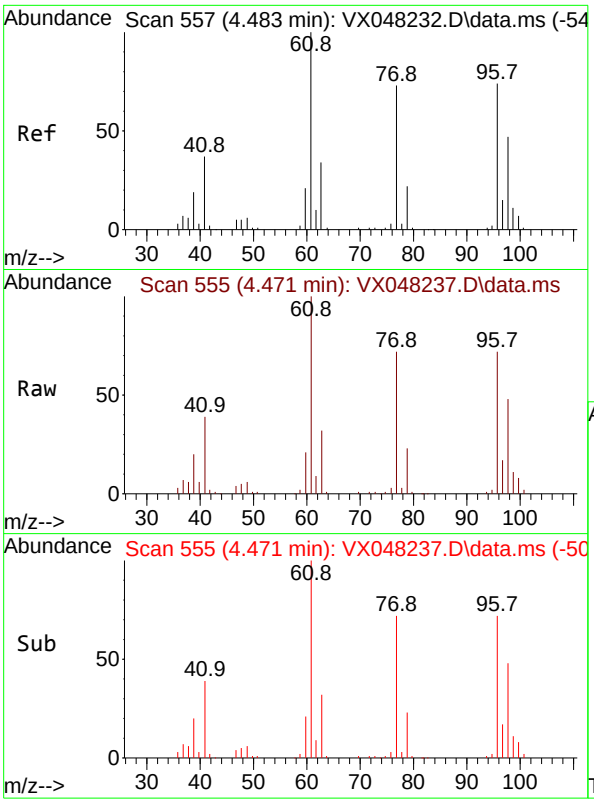



#26
2,2-Dichloropropane
Concen: 48.230 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 77 Resp: 132433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 11.1 | 33.3 |

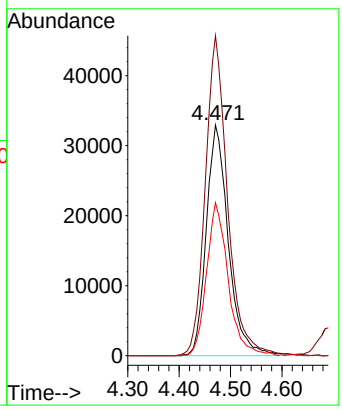





#27
cis-1,2-Dichloroethene
Concen: 50.350 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 96 Resp: 9806

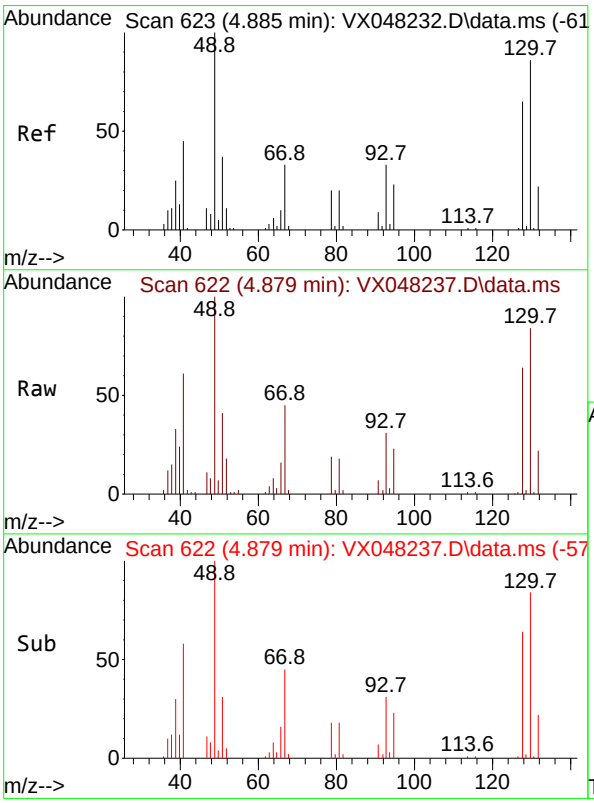
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.3 | 0.0 | 294.2 |
| 98 | 65.2 | 0.0 | 128.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

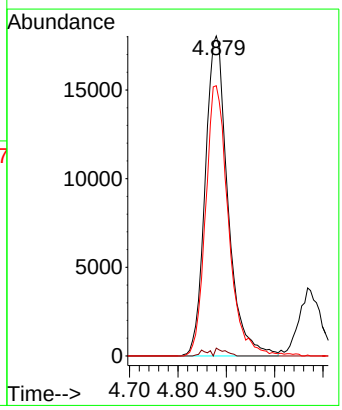
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

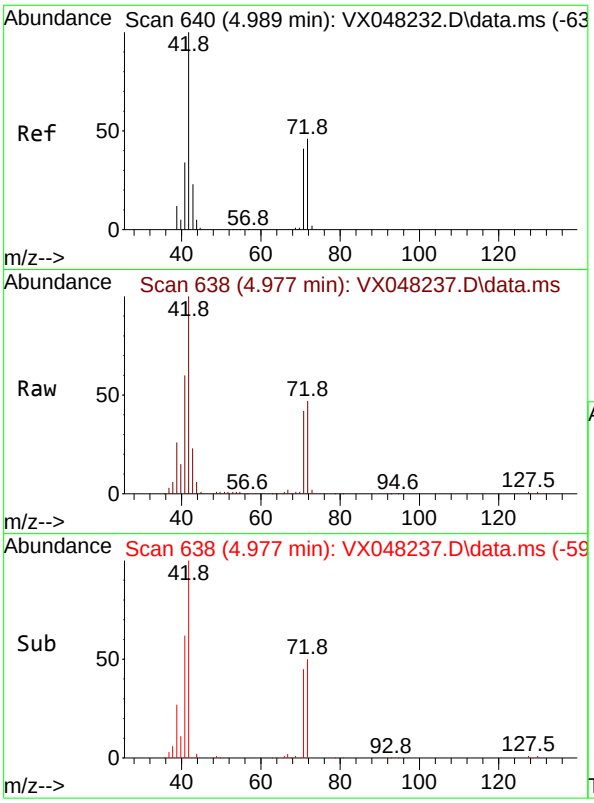



#28
Bromochloromethane
Concen: 46.587 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 49 Resp: 58764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.1 | 0.0 | 4.4 |
| 130 | 85.1 | 59.3 | 88.9 |






#29
Tetrahydrofuran
Concen: 242.572 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

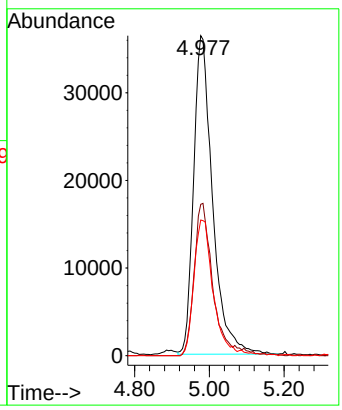
Tgt Ion: 42 Resp: 12799

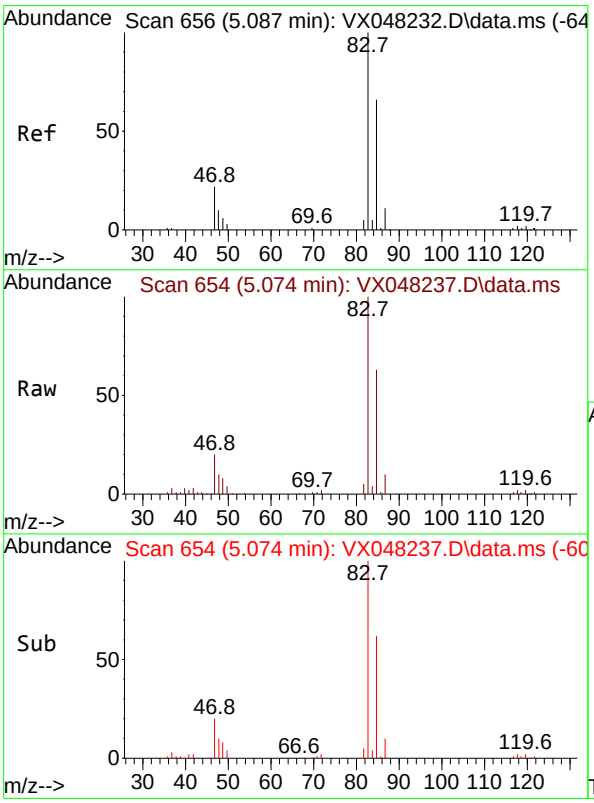
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 47.4 | 35.3 | 52.9 |
| 71 | 43.8 | 32.2 | 48.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

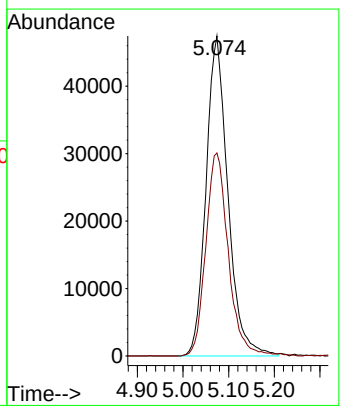


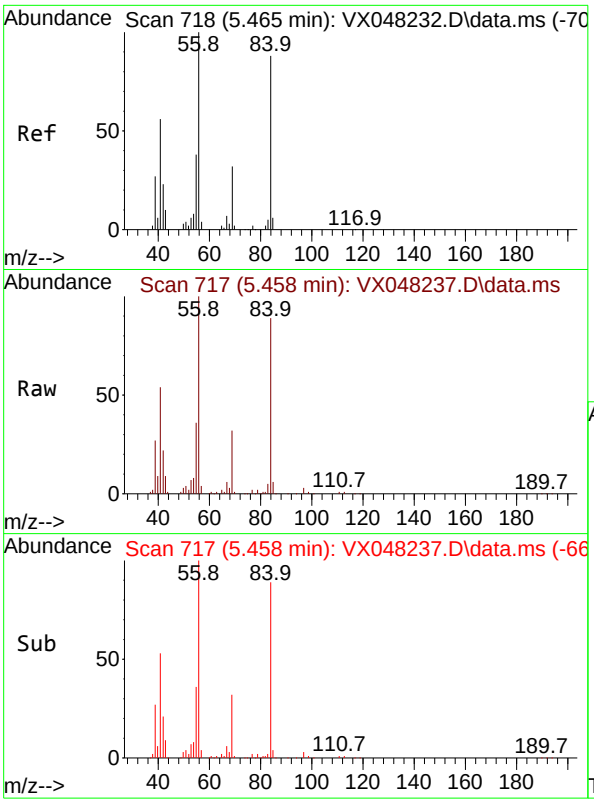




#30
Chloroform
Concen: 48.427 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 83 Resp: 157397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 50.1 | 75.1 |

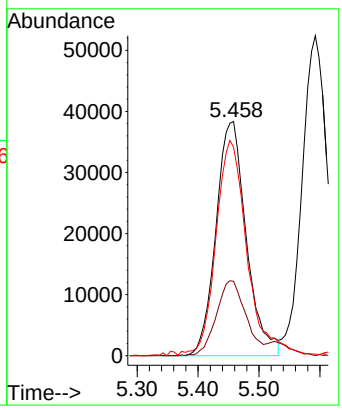





#31
Cyclohexane
Concen: 52.646 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 56 Resp: 13259

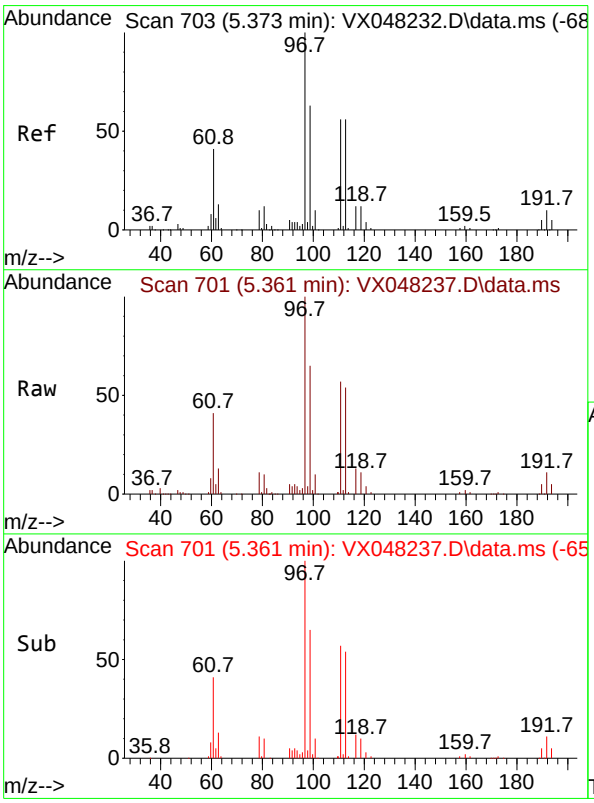
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.8 | 23.0 | 34.6 |
| 84 | 88.9 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

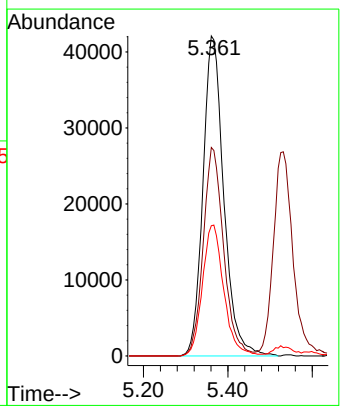
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

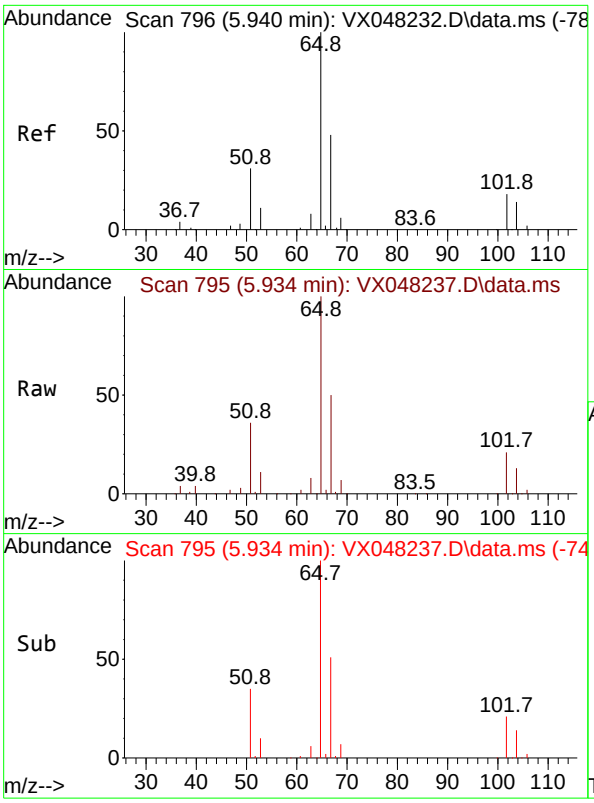



#32
1,1,1-Trichloroethane
Concen: 48.309 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 97 Resp: 144706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 51.7 | 77.5 |
| 61 | 41.8 | 34.8 | 52.2 |

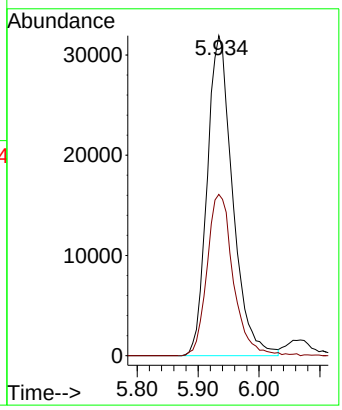





#33
1,2-Dichloroethane-d4
Concen: 45.687 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 65 Resp: 9270

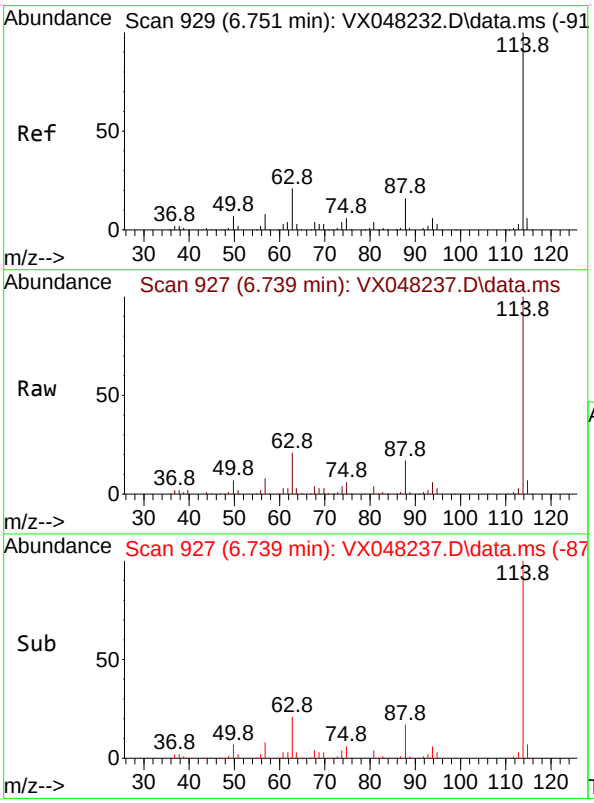
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 105.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

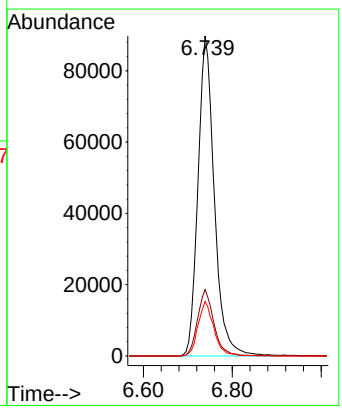
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

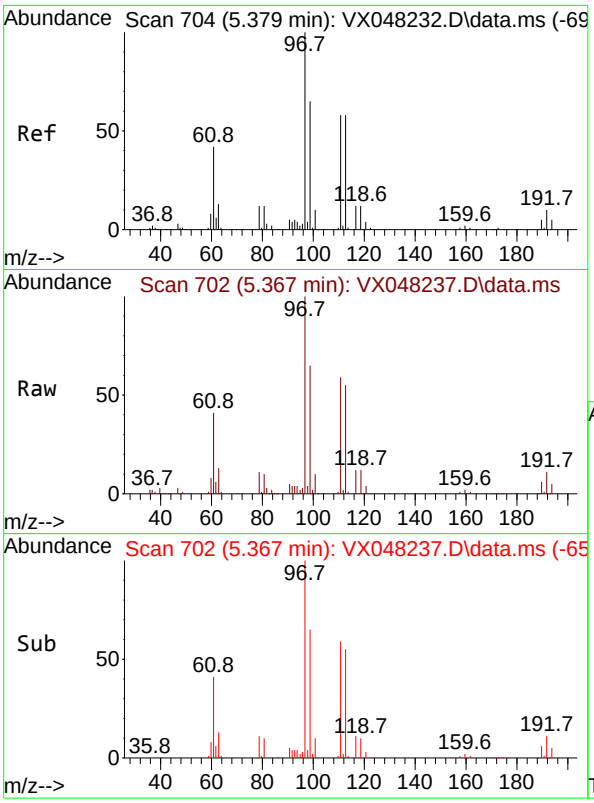



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:114 Resp: 229650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.6 | 0.0 | 43.2 |
| 88 | 17.0 | 0.0 | 33.6 |

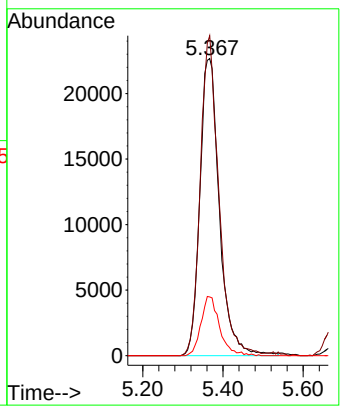





#35
Dibromofluoromethane
Concen: 48.951 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:113 Resp: 7674

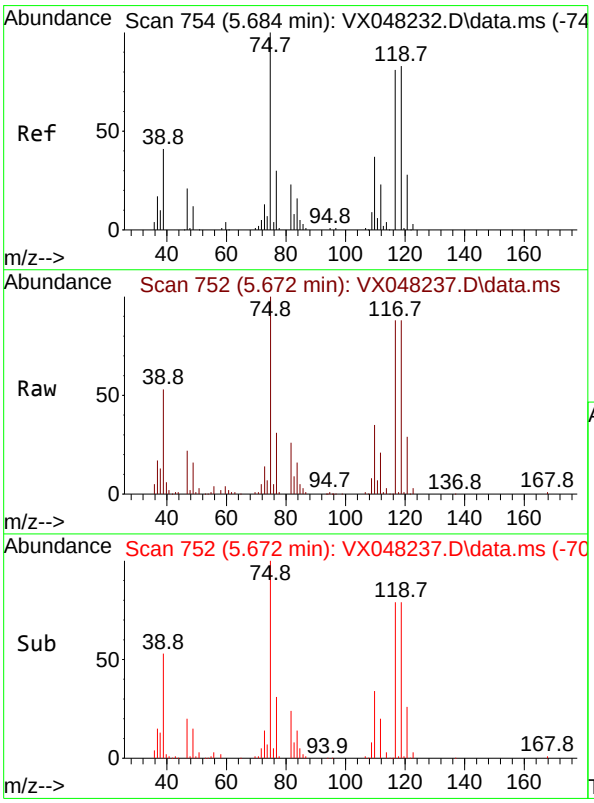
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.2 | 123.4 |
| 192 | 19.0 | 15.1 | 22.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

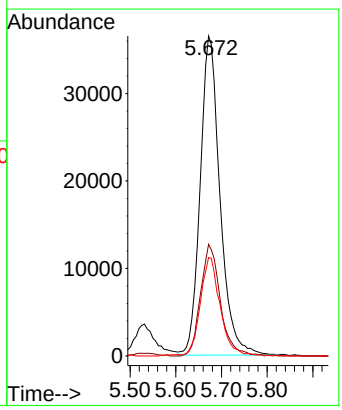
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

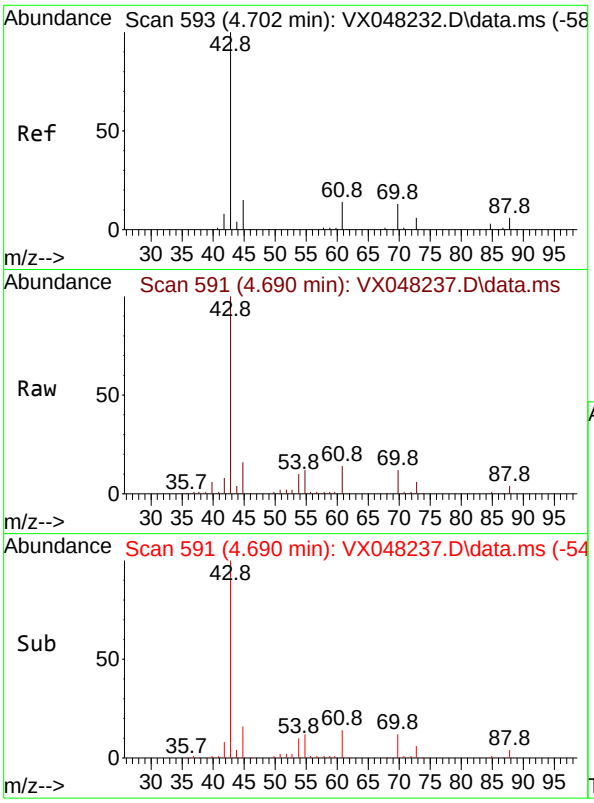



#36
1,1-Dichloropropene
Concen: 49.344 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 109957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.0 | 17.7 | 53.1 |
| 77 | 30.4 | 24.3 | 36.5 |

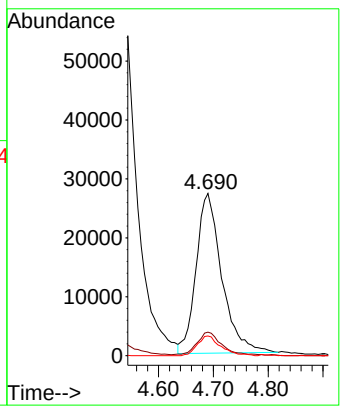





#37
Ethyl Acetate
Concen: 47.684 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 8807

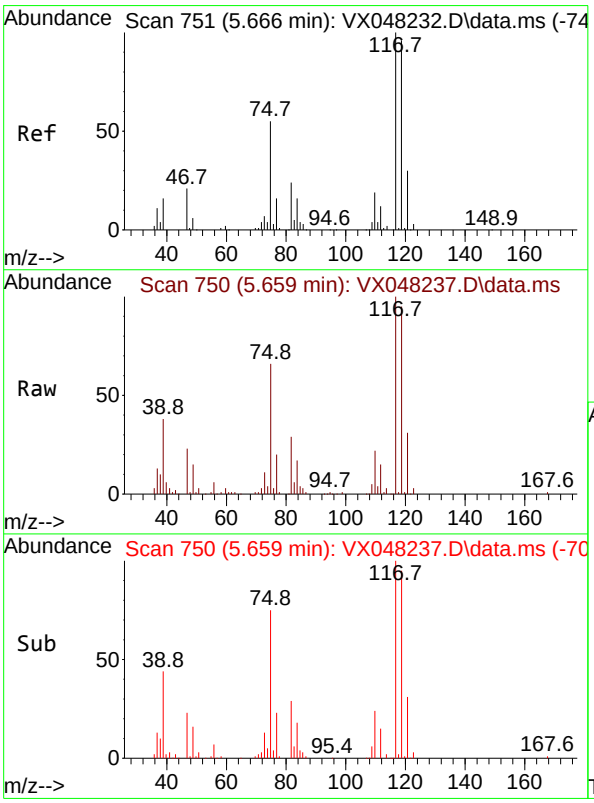
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 10.6 | 15.8 |
| 70 | 11.2 | 7.8 | 11.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

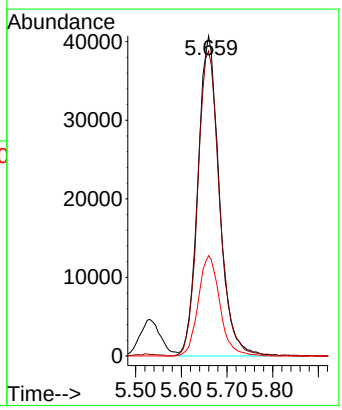
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

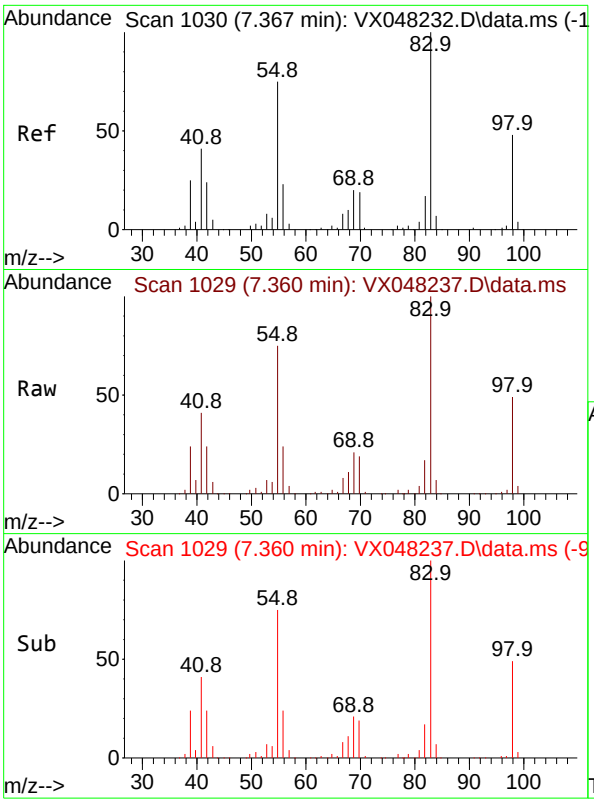



#38
Carbon Tetrachloride
Concen: 48.228 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:117 Resp: 132590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.1 | 77.2 | 115.8 |
| 121 | 31.4 | 24.8 | 37.2 |

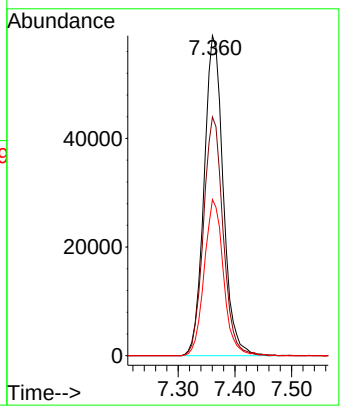





#39
Methylcyclohexane
Concen: 52.670 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 83 Resp: 13861

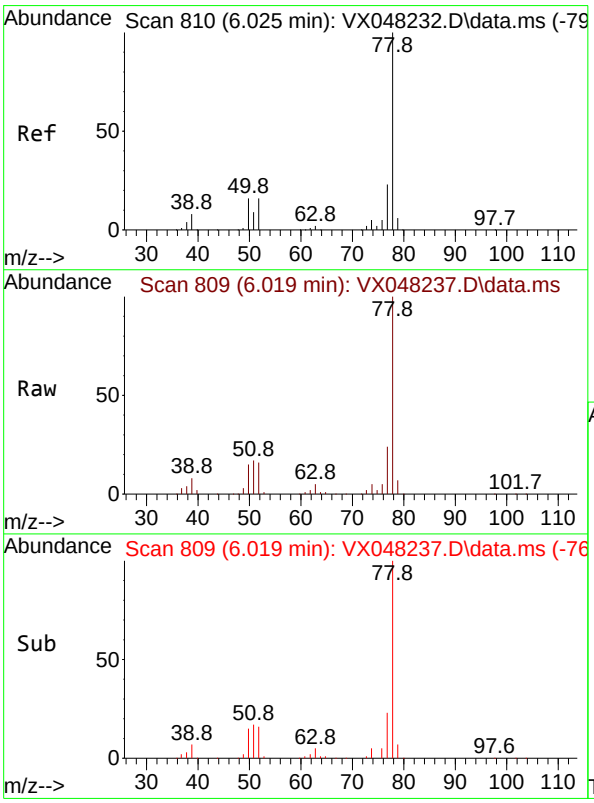
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.6 | 66.2 | 99.2 |
| 98 | 48.8 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

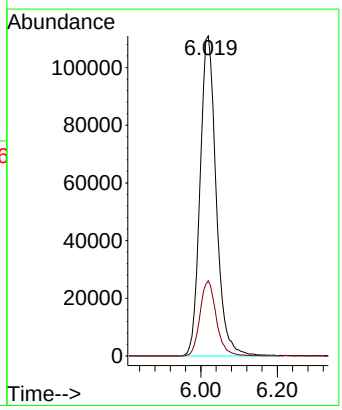
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

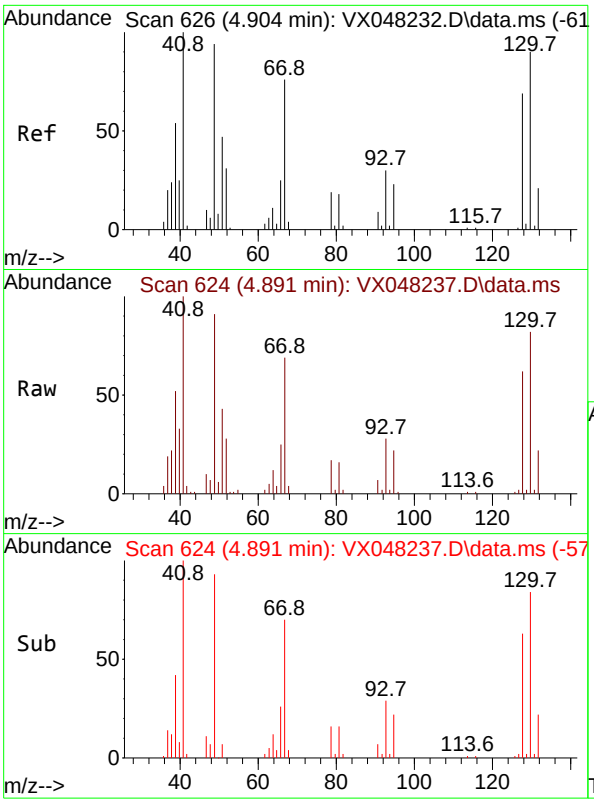



#40
Benzene
Concen: 50.241 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 78 Resp: 325041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 19.3 | 28.9 |

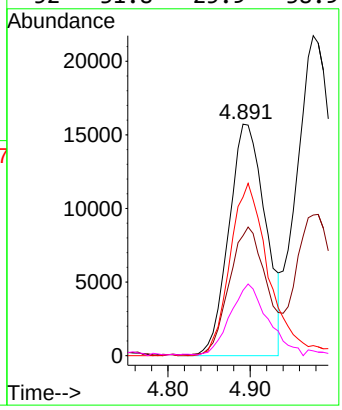





#41
Methacrylonitrile
Concen: 50.358 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 41 Resp: 4884

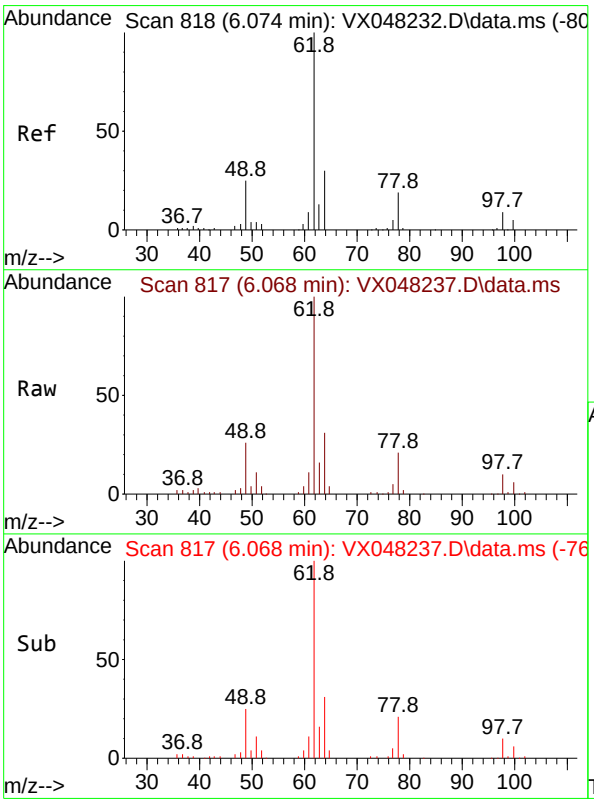
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.6 | 44.0 | 66.0 |
| 67 | 80.7 | 58.7 | 88.1 |
| 52 | 31.8 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

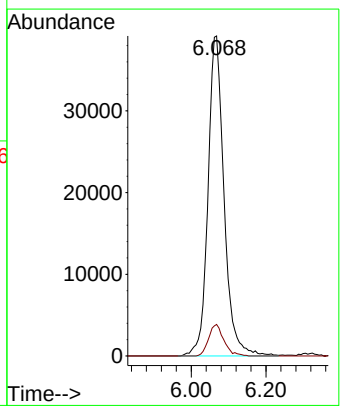
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

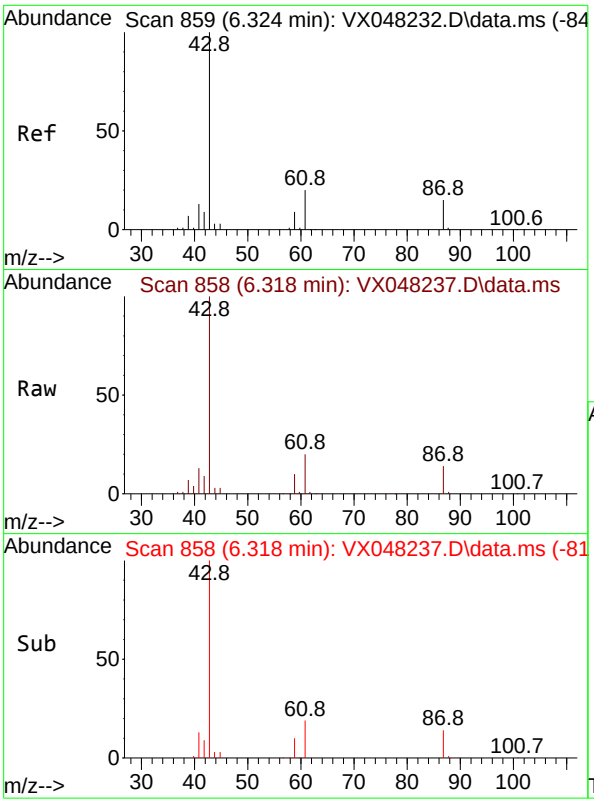



#42
1,2-Dichloroethane
Concen: 48.963 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 62 Resp: 116893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.4 | 0.0 | 17.2 |

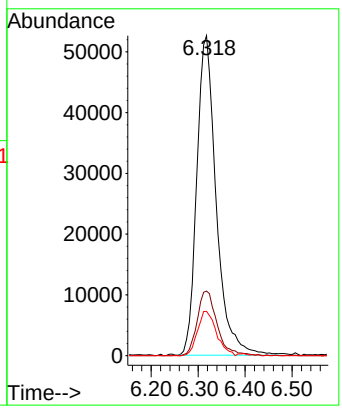





#43
Isopropyl Acetate
Concen: 49.816 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 15114

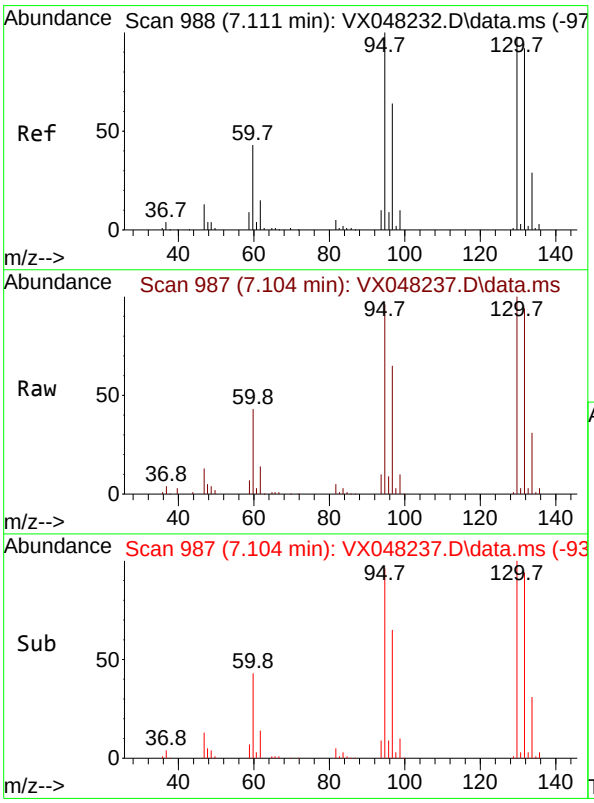
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.7 | 14.9 | 22.3 |
| 87 | 13.5 | 9.4 | 14.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

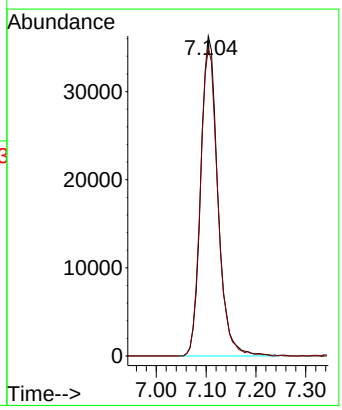
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

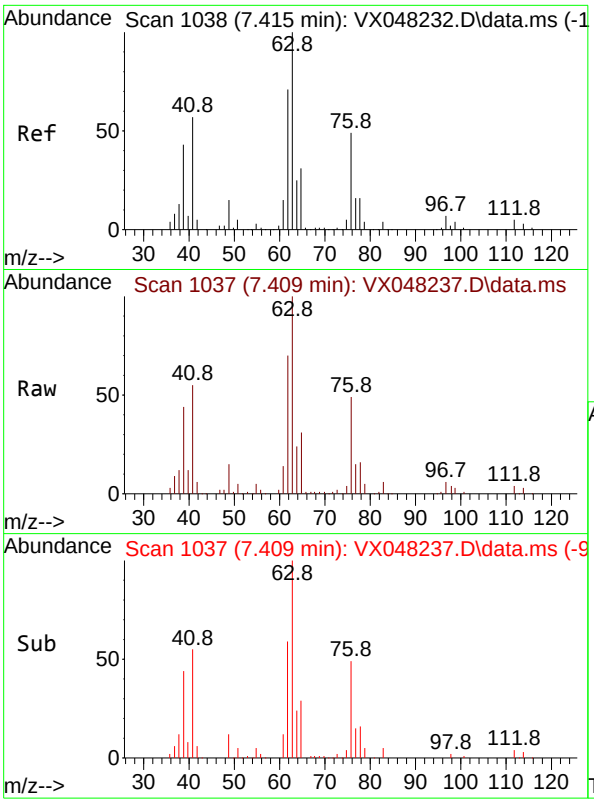



#44
Trichloroethene
Concen: 50.582 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:130 Resp: 86410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.2 | 0.0 | 200.6 |

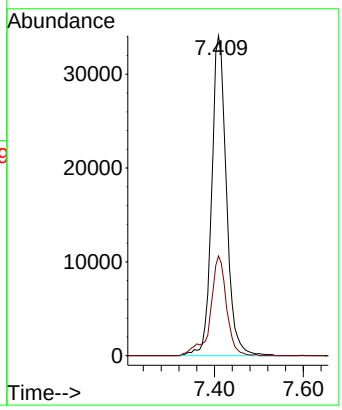





#45
1,2-Dichloropropane
Concen: 50.994 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 63 Resp: 7843

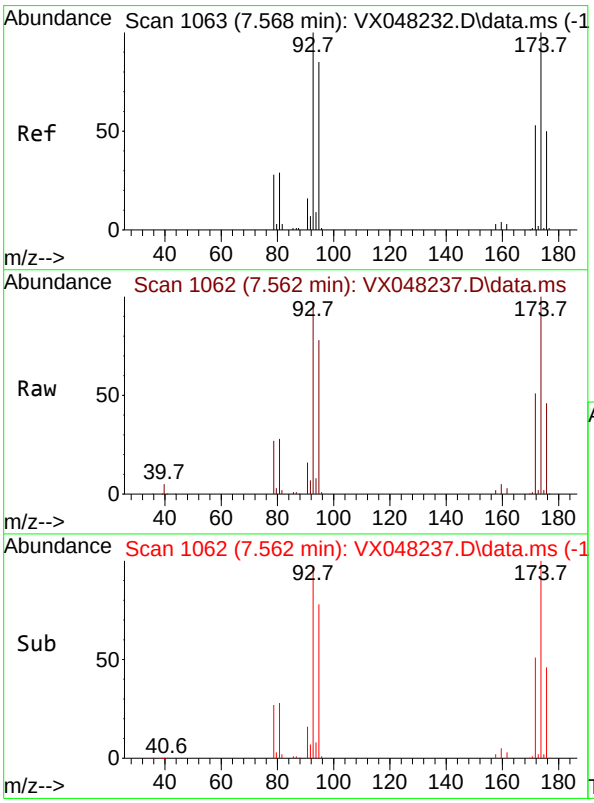
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.1 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

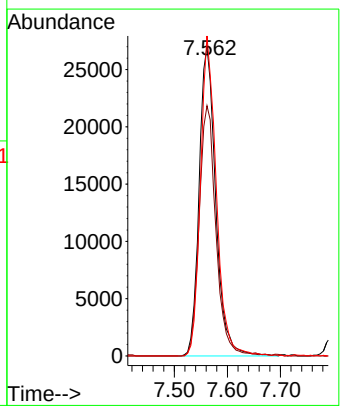
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

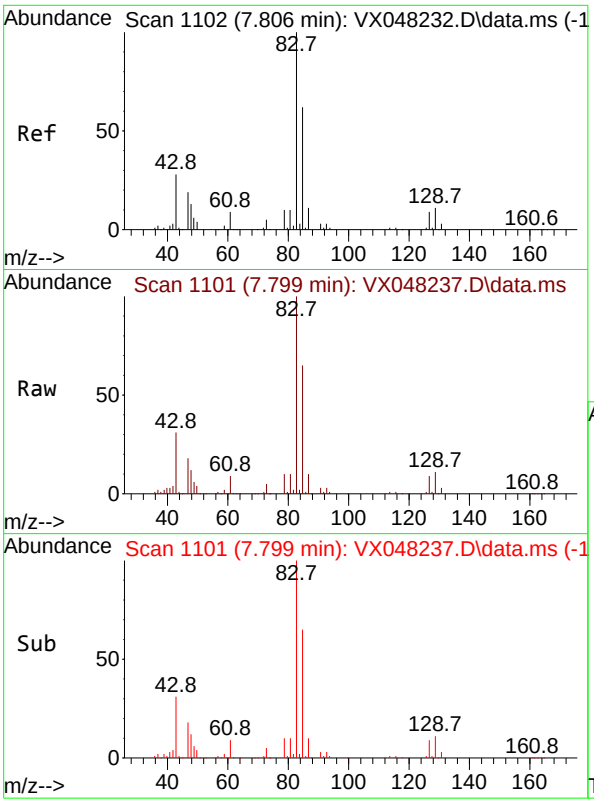



#46
Dibromomethane
Concen: 48.913 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 93 Resp: 58616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.4 | 65.9 | 98.9 |
| 174 | 99.2 | 71.7 | 107.5 |

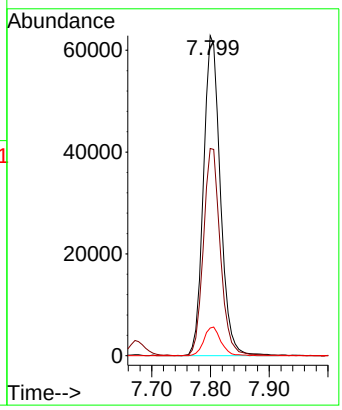





#47
Bromodichloromethane
Concen: 48.459 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 83 Resp: 12538

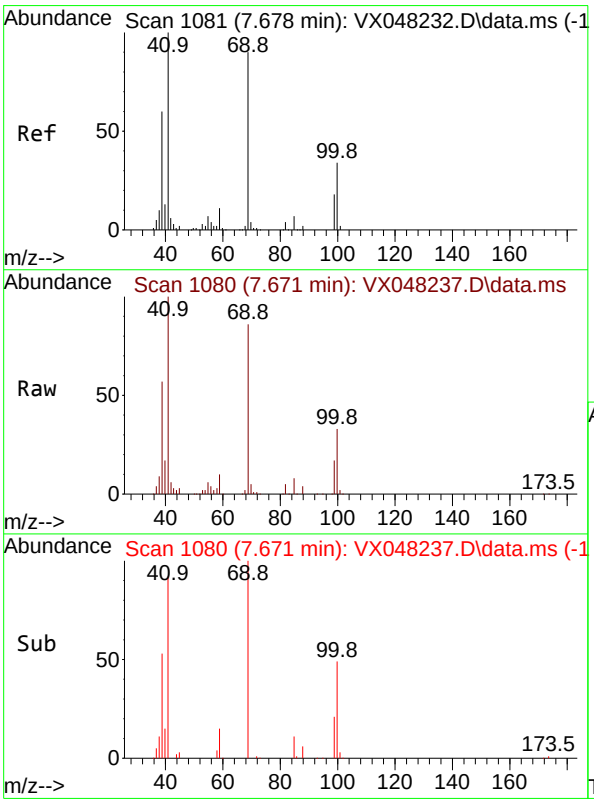
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 52.2 | 78.4 |
| 127 | 8.7 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

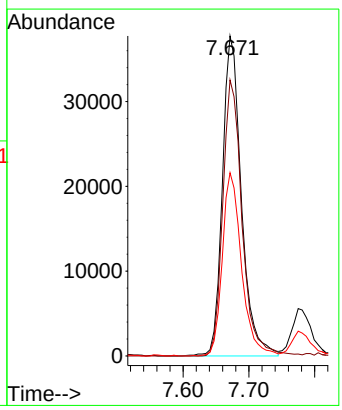
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

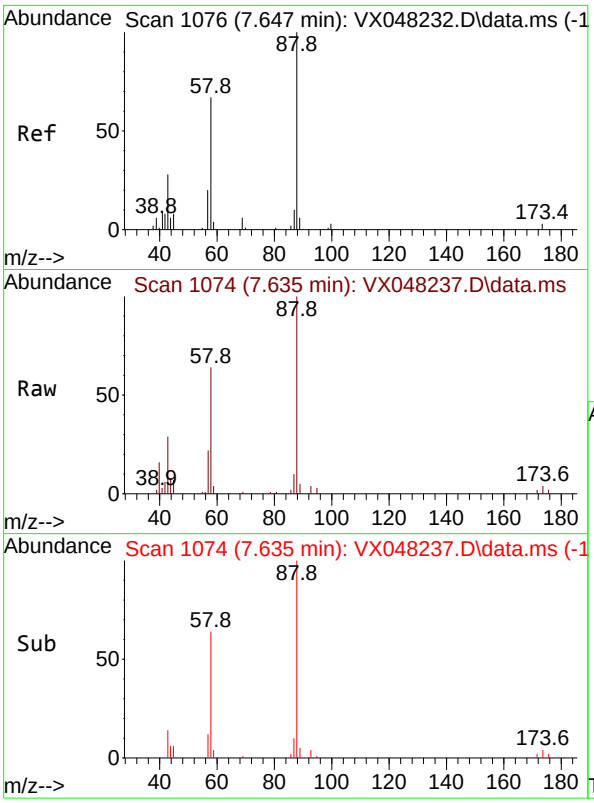



#48
Methyl methacrylate
Concen: 49.519 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 41 Resp: 75812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 87.7 | 63.4 | 95.0 |
| 39 | 58.0 | 47.1 | 70.7 |

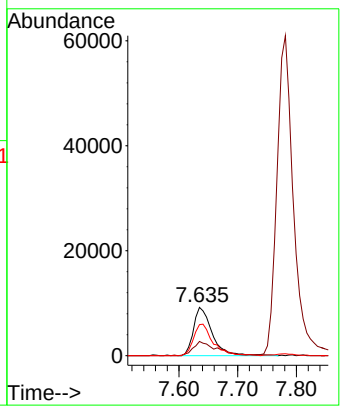





#49
1,4-Dioxane
Concen: 1000.197 ug/l
RT: 7.635 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 88 Resp: 2023

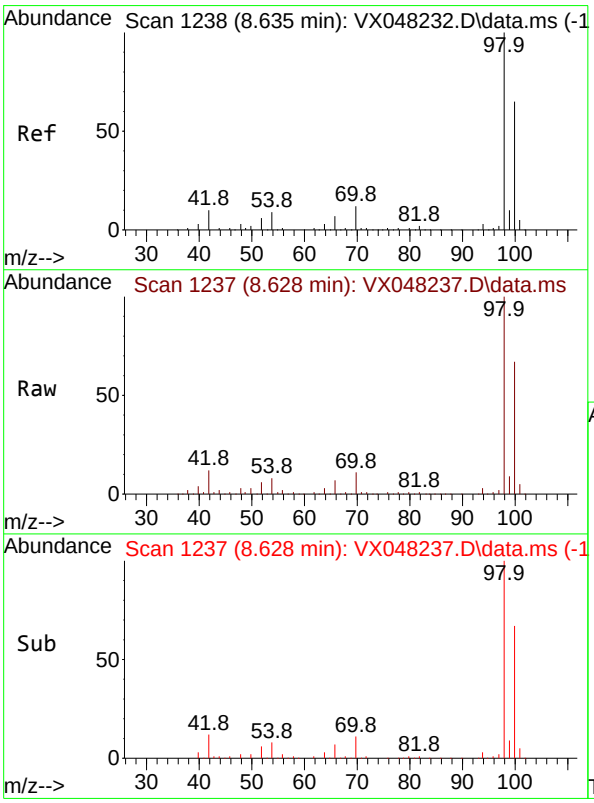
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.8 | 35.0 | 52.4 |
| 58 | 67.9 | 61.9 | 92.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

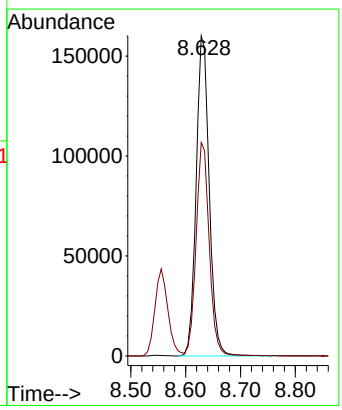
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

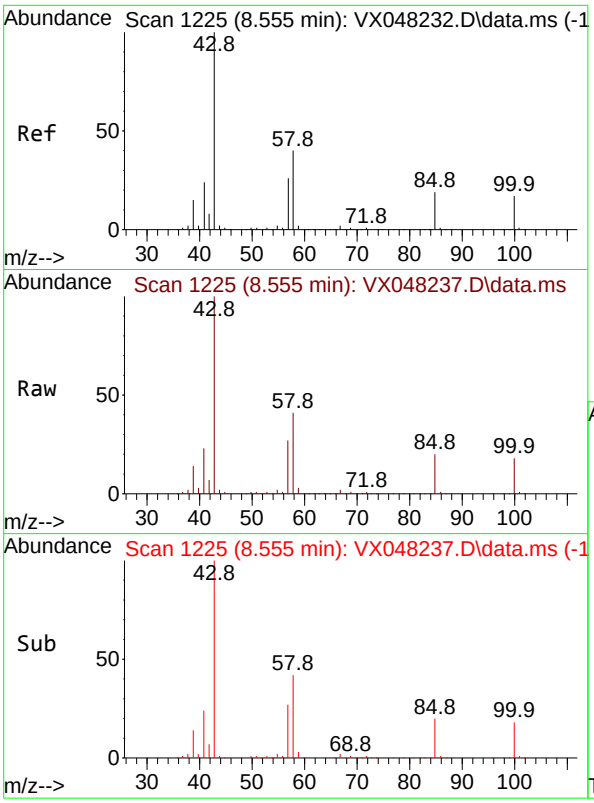



#50
Toluene-d8
Concen: 48.386 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 98 Resp: 265898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.6 | 53.0 | 79.4 |

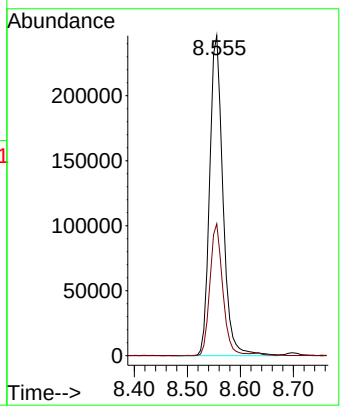





#51
4-Methyl-2-Pentanone
Concen: 244.897 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 42839

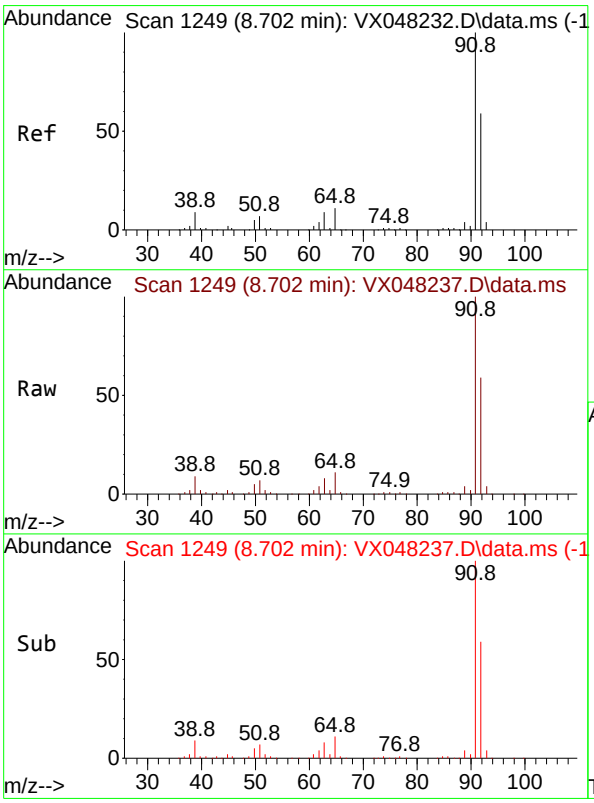
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.9 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

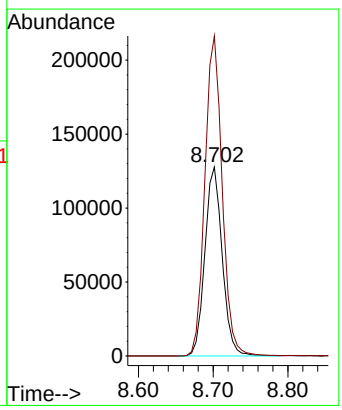
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

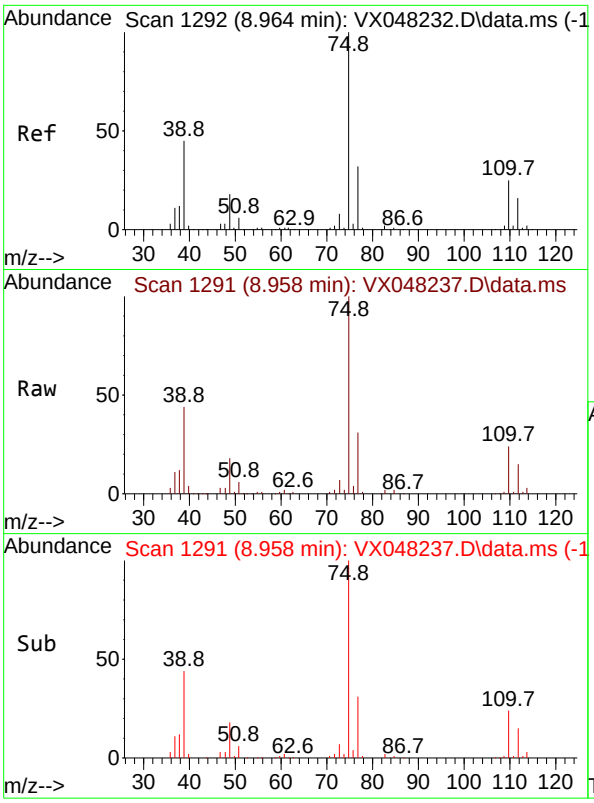



#52
Toluene
Concen: 50.088 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 92 Resp: 205867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.0 | 136.1 | 204.1 |

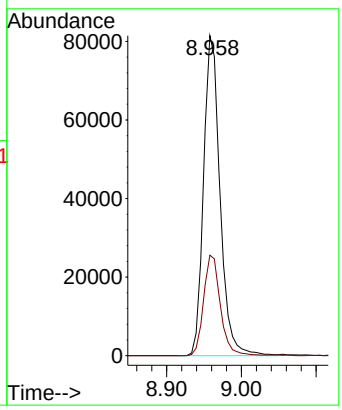





#53
t-1,3-Dichloropropene
Concen: 50.004 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 12468

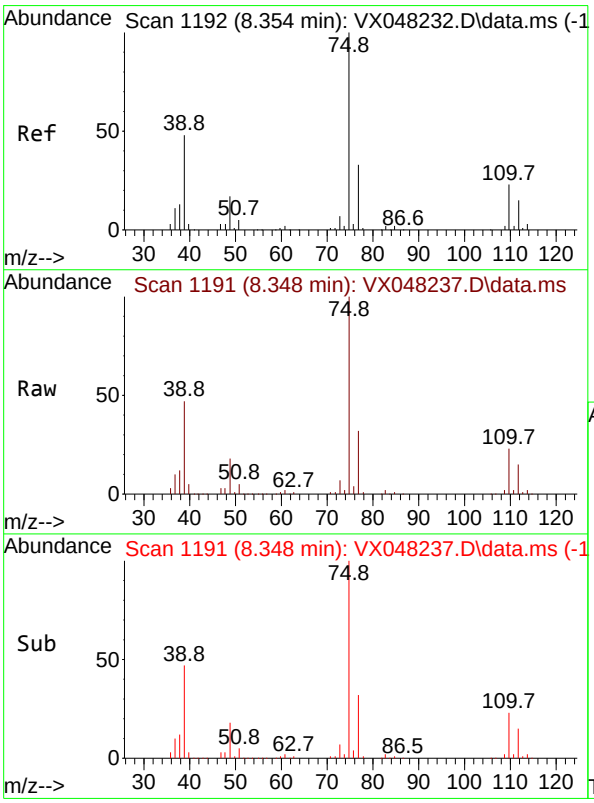
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

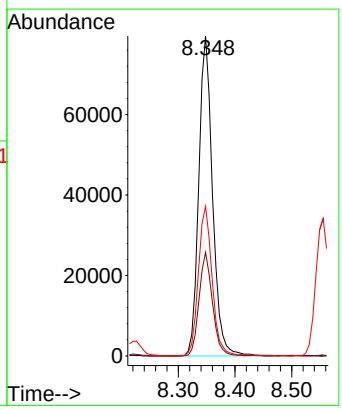
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

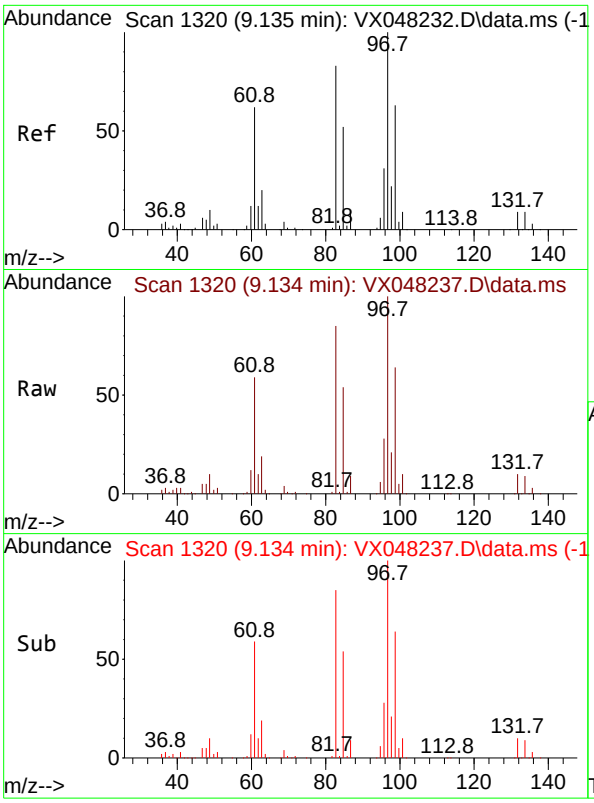



#54
cis-1,3-Dichloropropene
Concen: 49.944 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 134360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 24.9 | 37.3 |
| 39 | 46.7 | 42.6 | 64.0 |

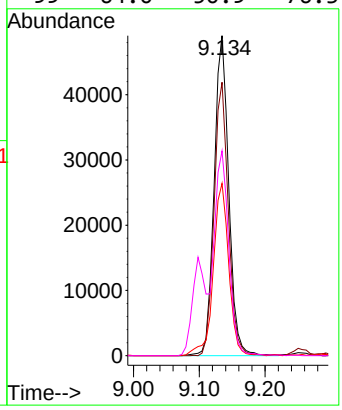





#55
1,1,2-Trichloroethane
Concen: 49.597 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 97 Resp: 7580

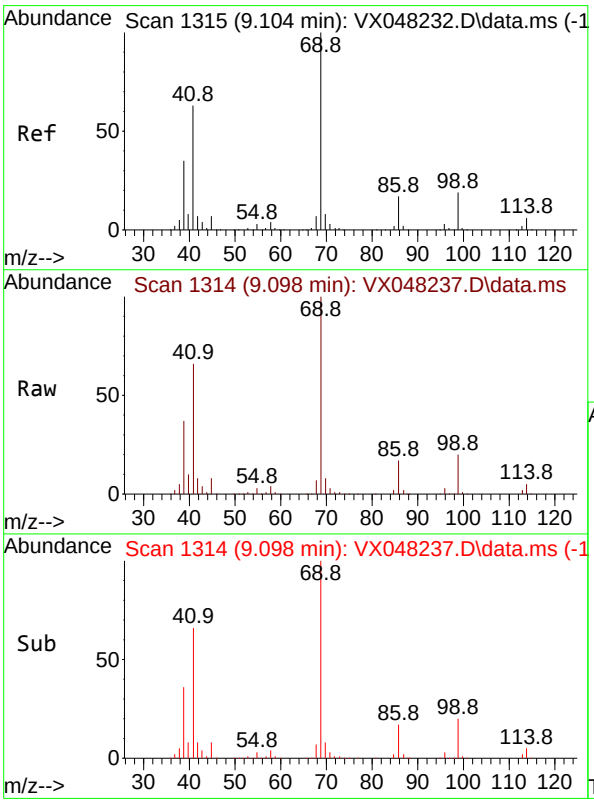
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.5 | 70.6 | 105.8 |
| 85 | 53.9 | 45.0 | 67.6 |
| 99 | 64.0 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

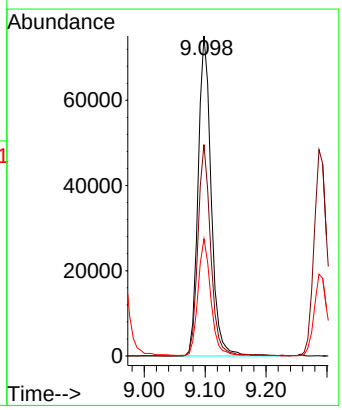
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

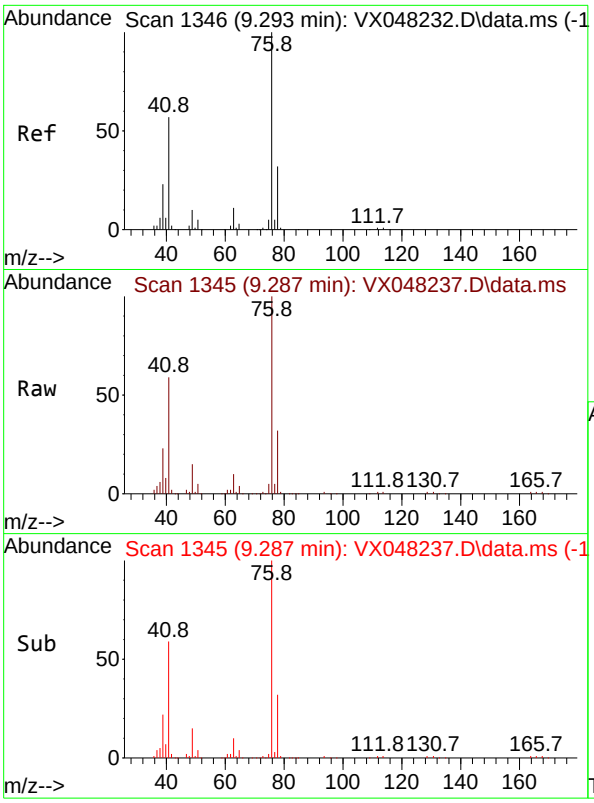



#56
Ethyl methacrylate
Concen: 49.964 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 69 Resp: 111702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 65.1 | 56.0 | 84.0 |
| 39 | 36.0 | 31.6 | 47.4 |

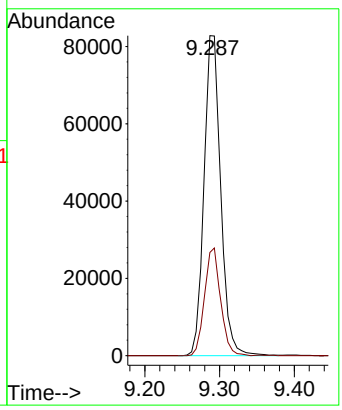





#57
1,3-Dichloropropane
Concen: 49.226 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 76 Resp: 12851

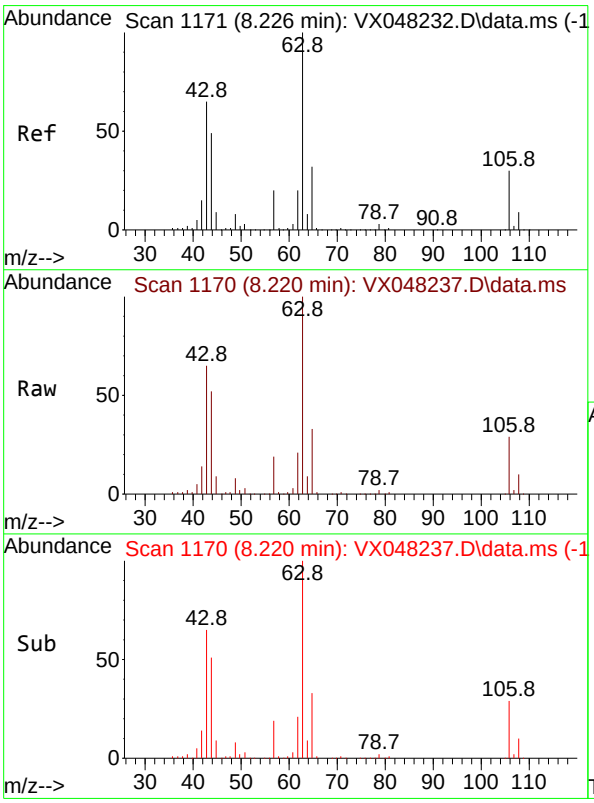
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.4 | 38.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

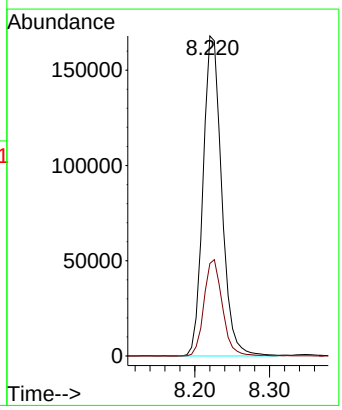
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

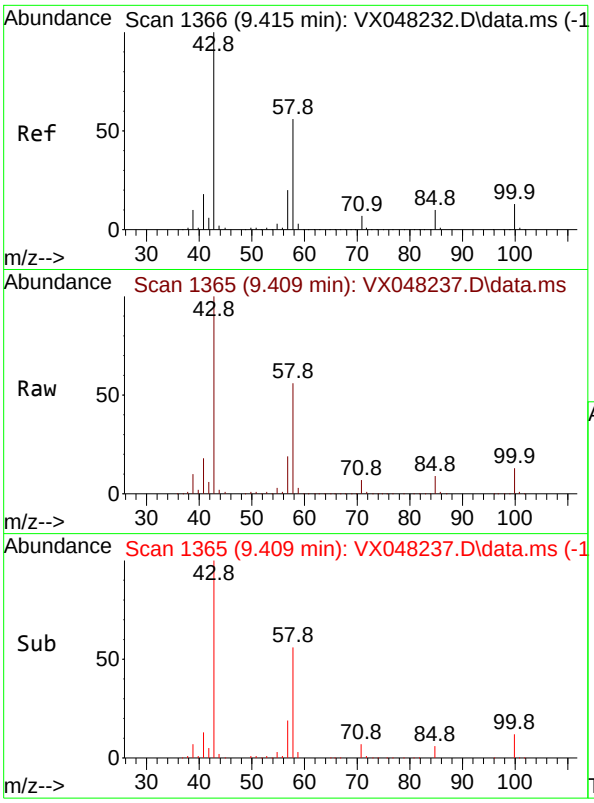



#58
2-Chloroethyl Vinyl ether
Concen: 242.124 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 63 Resp: 290992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.6 | 22.2 | 33.2 |

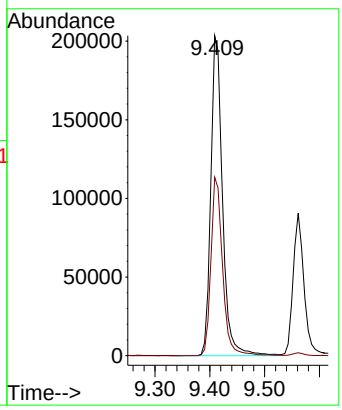





#59
2-Hexanone
Concen: 246.102 ug/l
RT: 9.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 30018

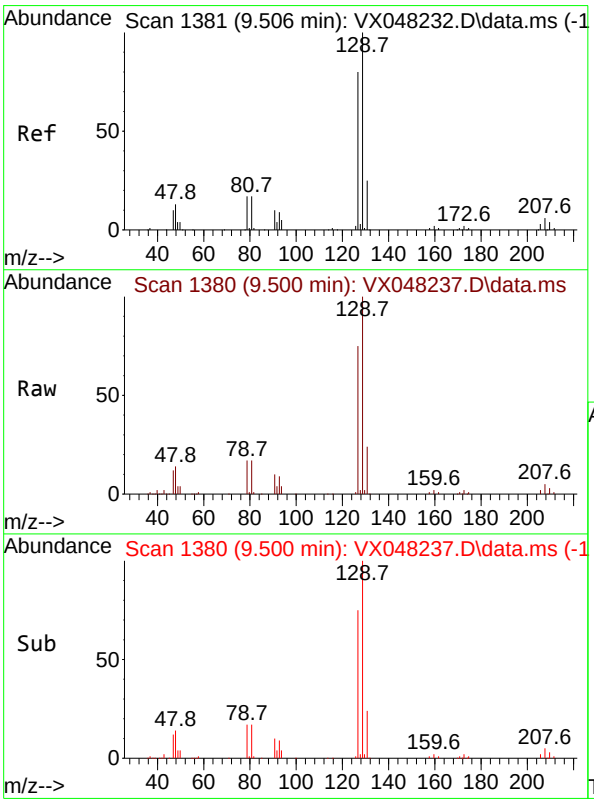
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.6 | 26.3 | 78.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

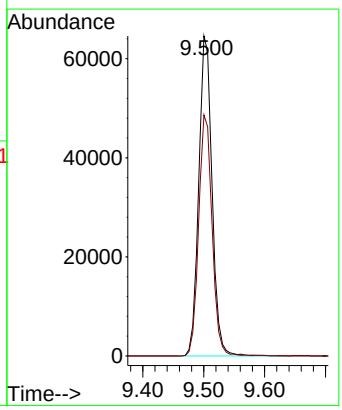
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

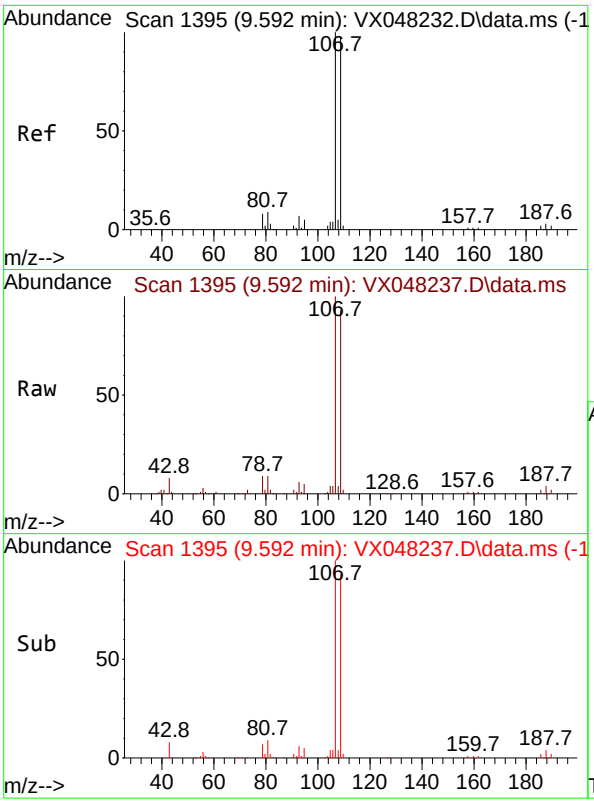



#60
Dibromochloromethane
Concen: 47.530 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:129 Resp: 97643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.2 | 38.6 | 115.7 |

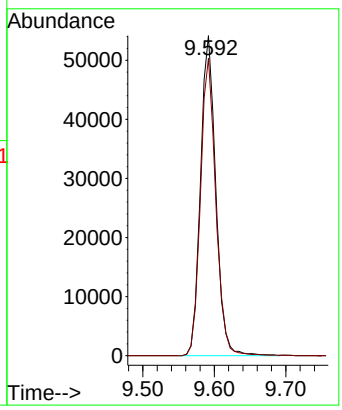





#61
1,2-Dibromoethane
Concen: 49.319 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:107 Resp: 8036

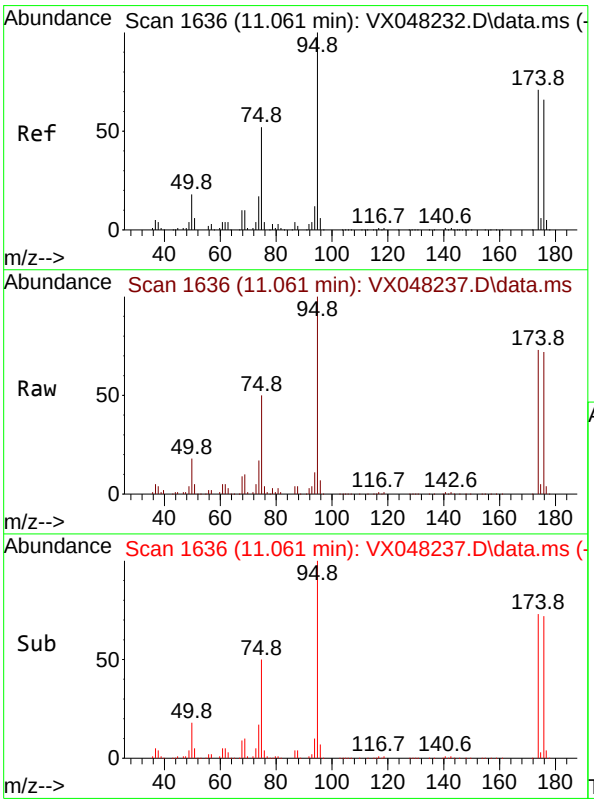
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.1 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

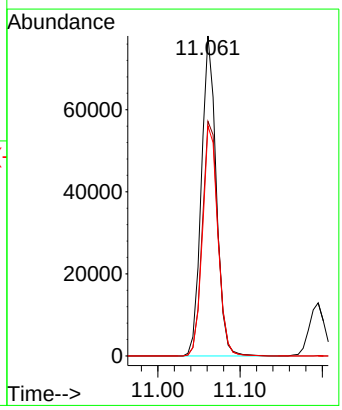
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

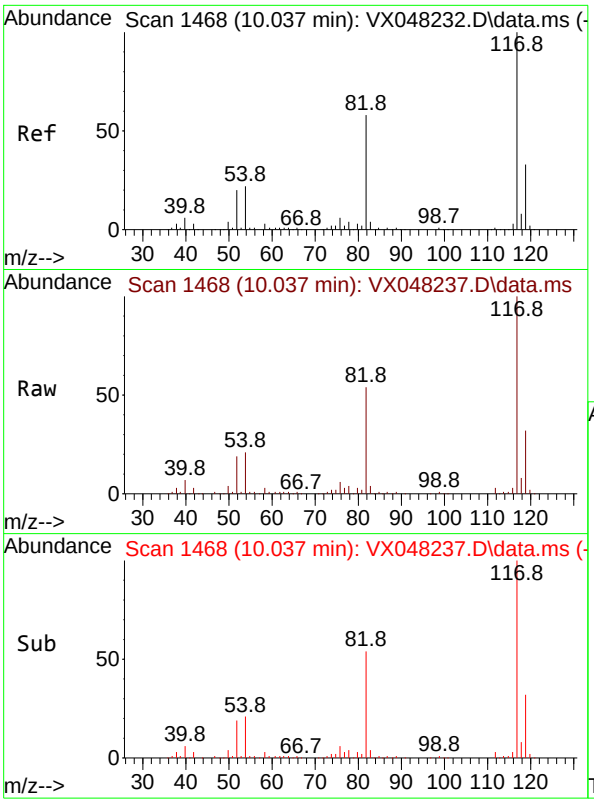



#62
4-Bromofluorobenzene
Concen: 46.795 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 95 Resp: 97828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.0 | 0.0 | 147.8 |
| 176 | 74.2 | 0.0 | 142.8 |

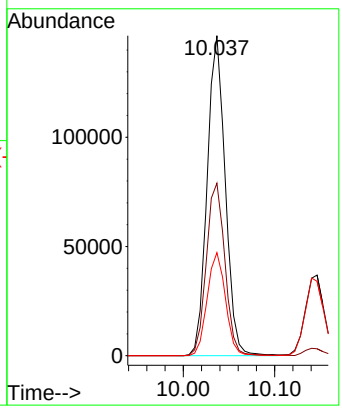





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:117 Resp: 20139

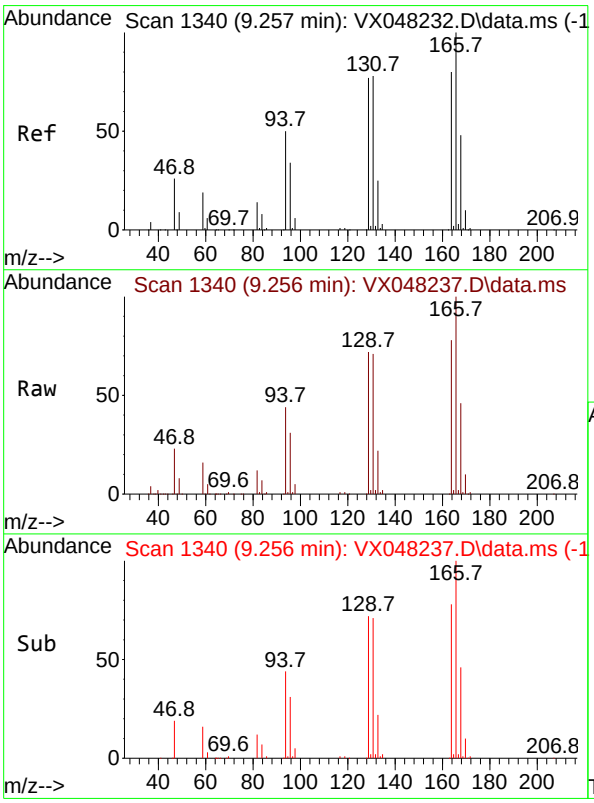
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.9 | 46.5 | 69.7 |
| 119 | 32.2 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

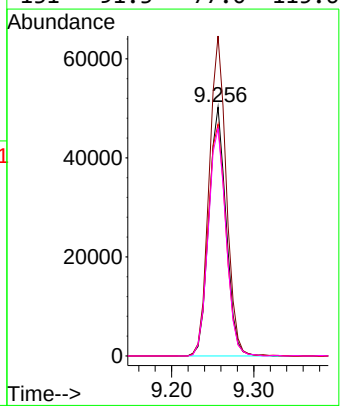
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

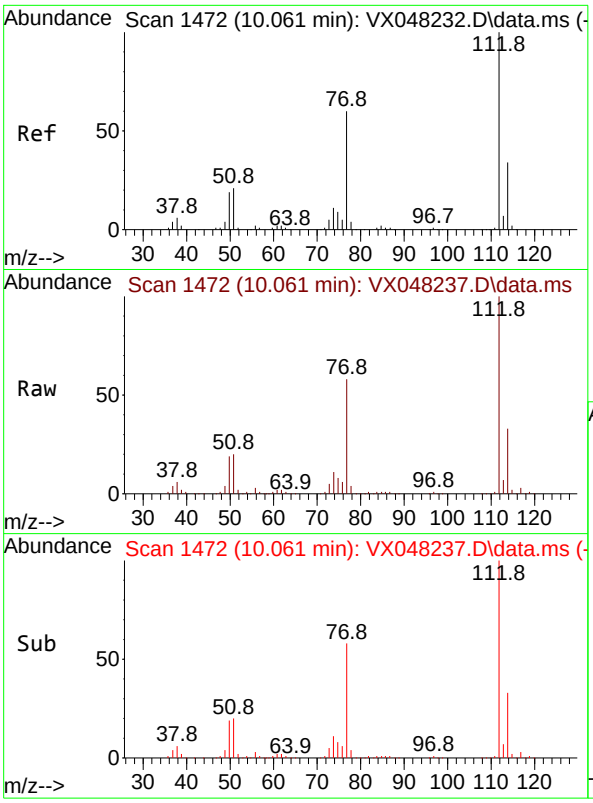



#64
Tetrachloroethene
Concen: 48.686 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:164 Resp: 73198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.6 | 104.5 | 156.7 |
| 129 | 93.1 | 81.8 | 122.6 |
| 131 | 91.3 | 77.0 | 115.6 |

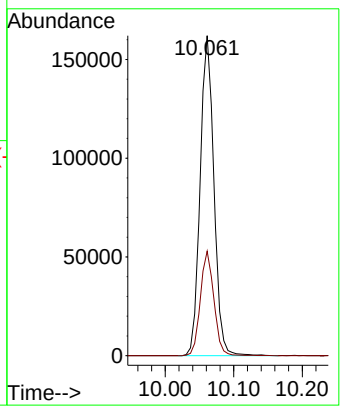





#65
Chlorobenzene
Concen: 50.095 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:112 Resp: 22695

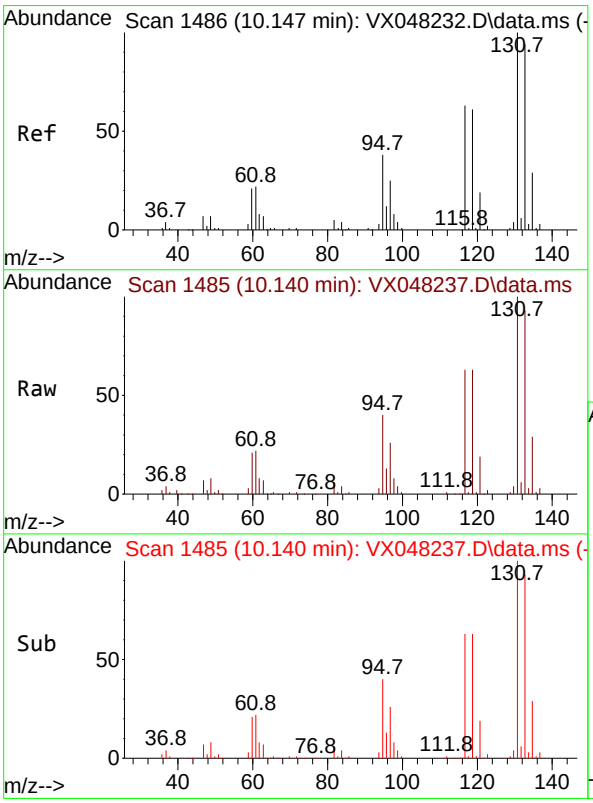
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

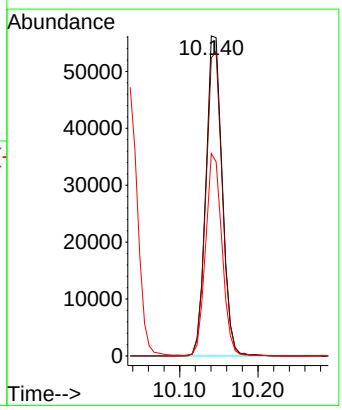
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

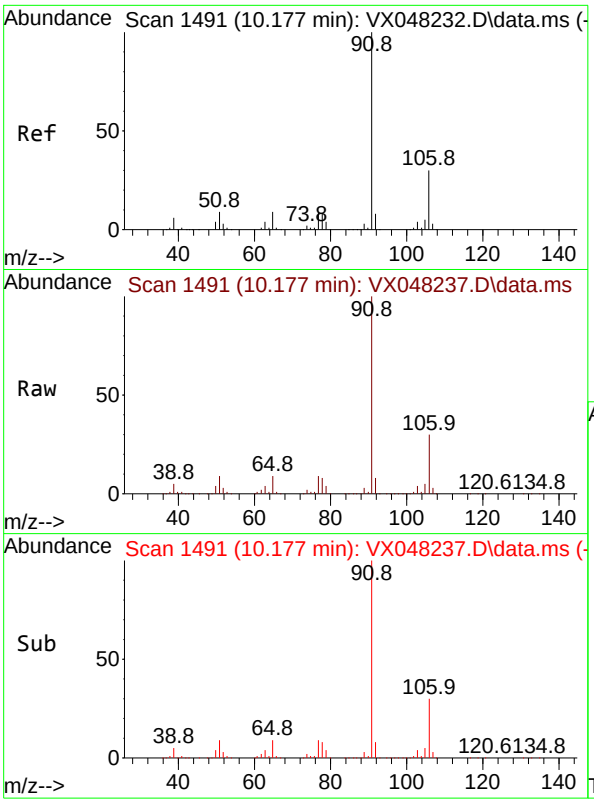



#66
1,1,1,2-Tetrachloroethane
Concen: 49.014 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:131 Resp: 81561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 47.6 | 142.8 |
| 119 | 63.3 | 32.5 | 97.5 |

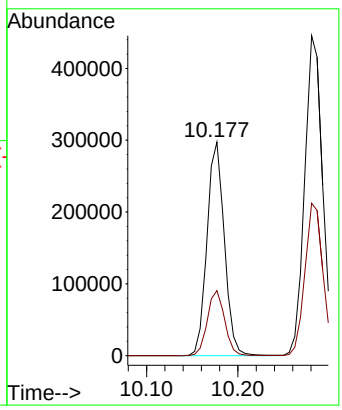





#67
Ethyl Benzene
Concen: 50.798 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 91 Resp: 39183

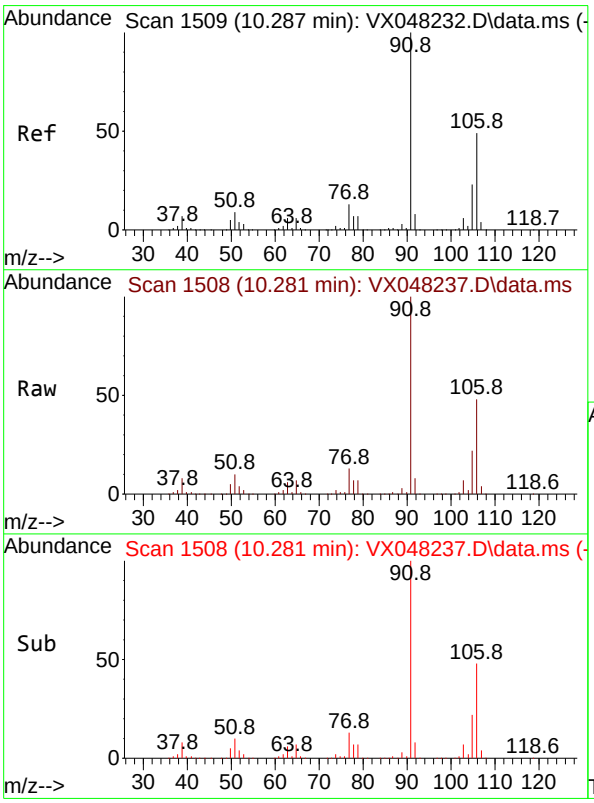
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

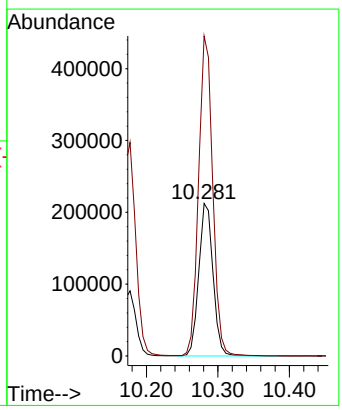
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

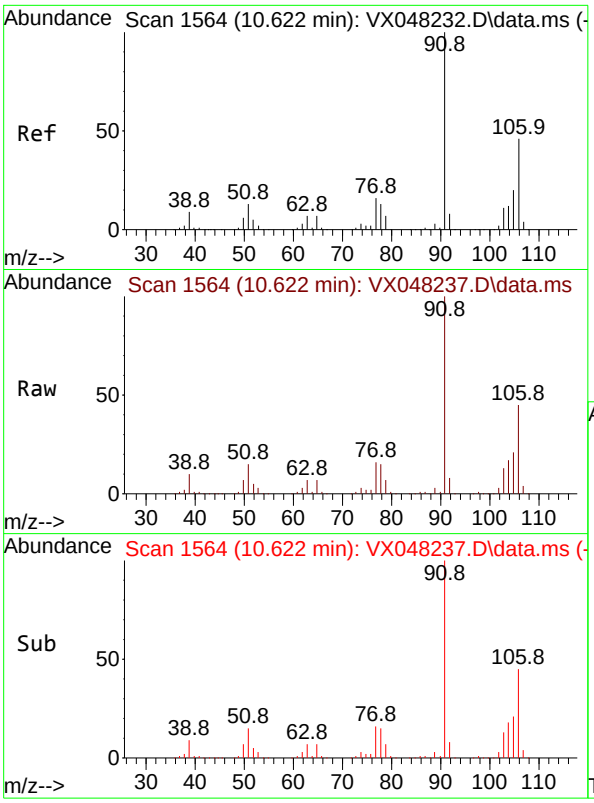



#68
m/p-Xylenes
Concen: 102.416 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:106 Resp: 293516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.2 | 167.9 | 251.9 |

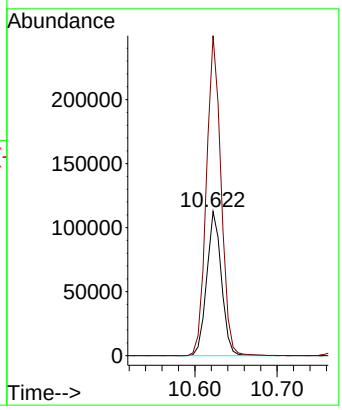





#69
o-Xylene
Concen: 50.424 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:106 Resp: 13951

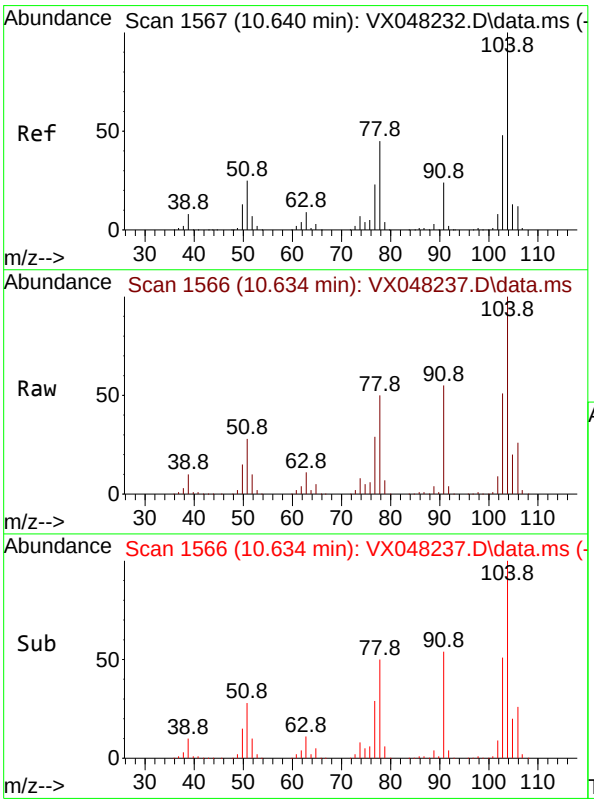
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.1 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

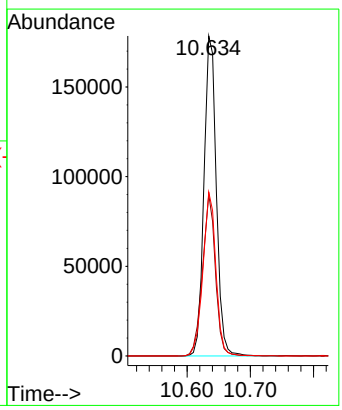
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

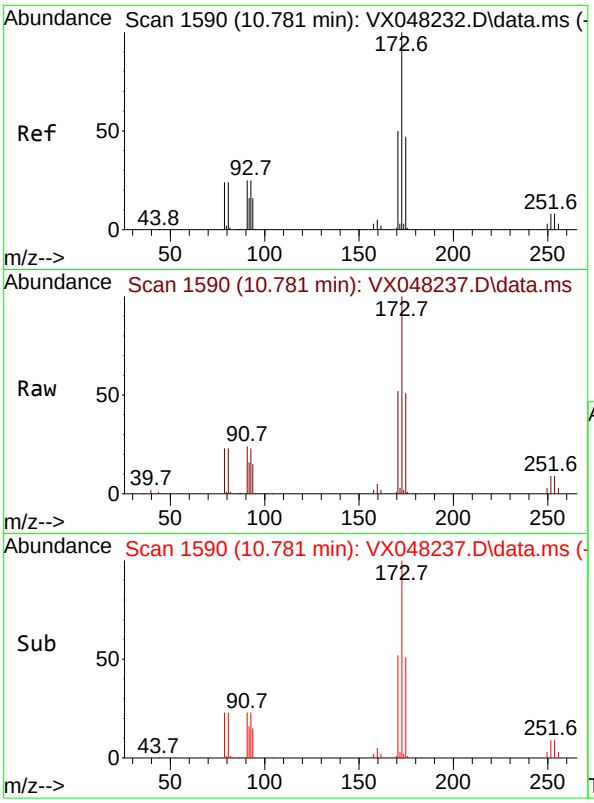



#70
Styrene
Concen: 51.651 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:104 Resp: 243341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.8 | 42.2 | 63.4 |
| 103 | 53.8 | 43.0 | 64.4 |

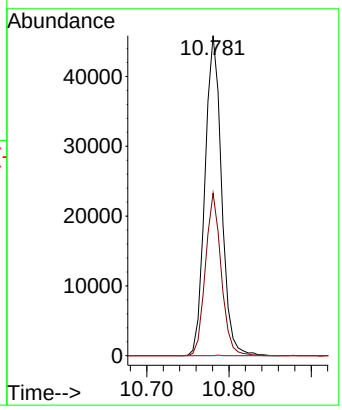





#71
Bromoform
Concen: 48.250 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:173 Resp: 6417

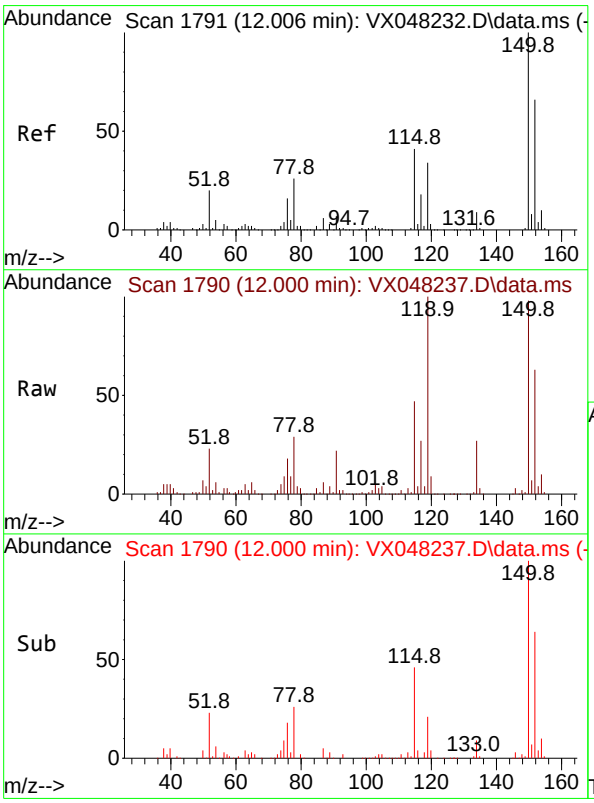
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.0 | 72.0 |
| 254 | 0.1 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

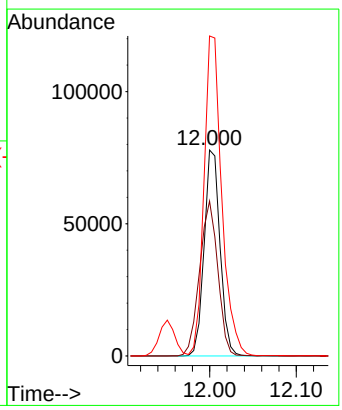
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

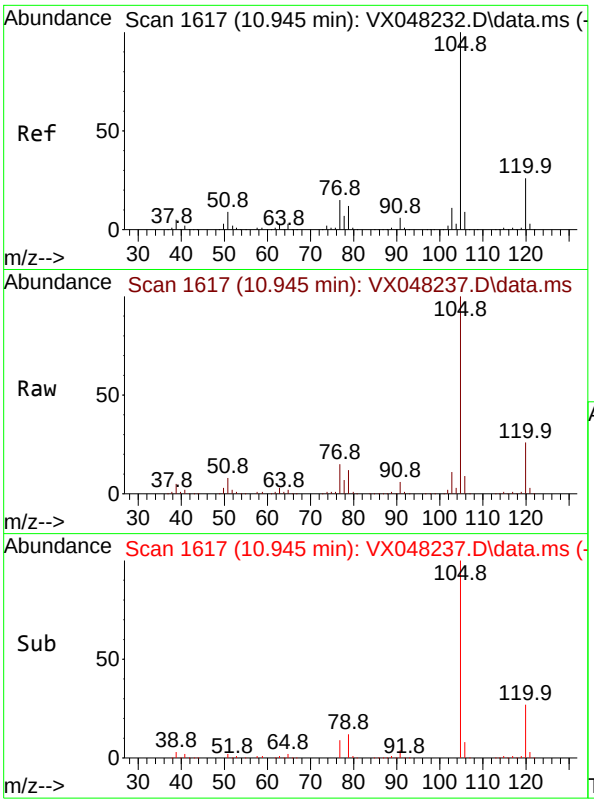



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.000 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:152 Resp: 99108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.2 | 43.1 | 129.4 |
| 150 | 173.4 | 0.0 | 353.0 |






#73
Isopropylbenzene
Concen: 51.658 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

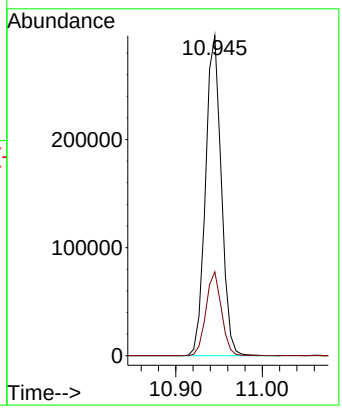
Tgt Ion:105 Resp: 37394

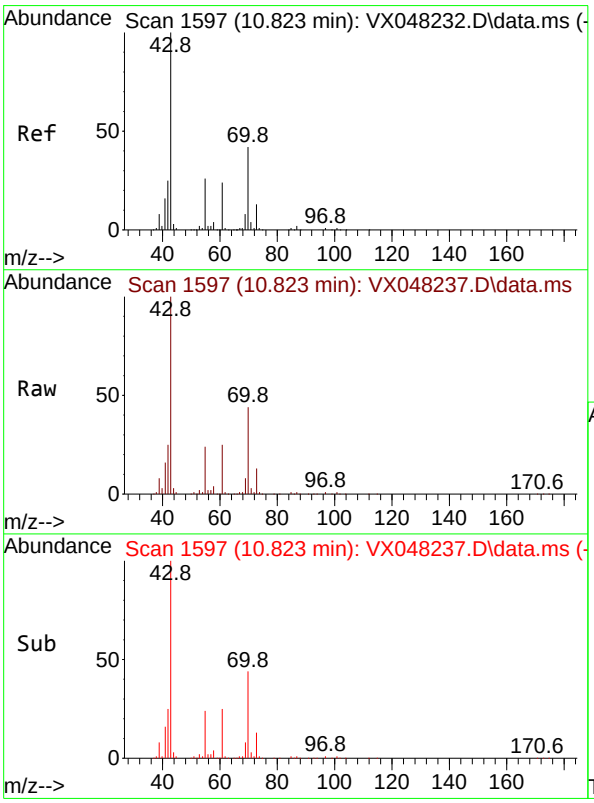
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 13.0 | 38.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

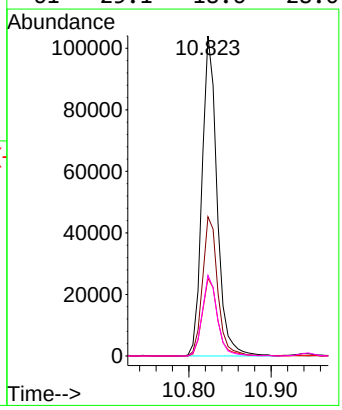


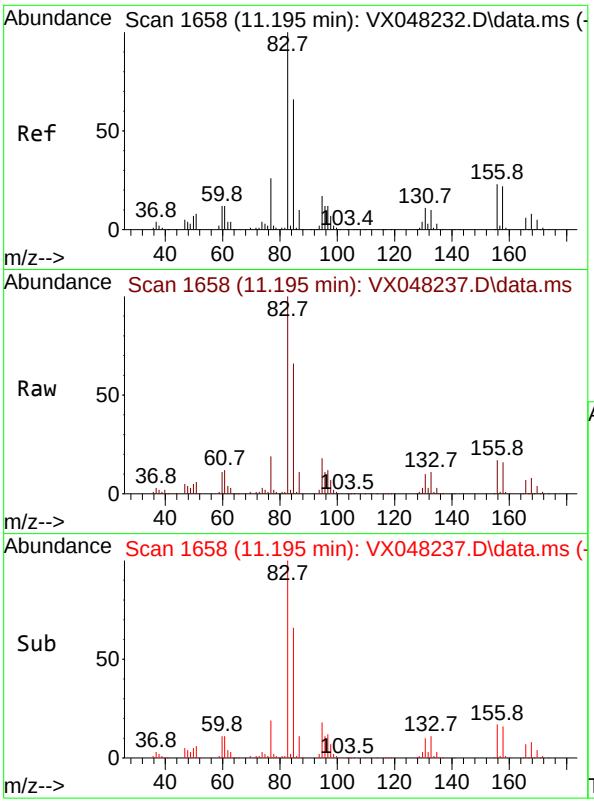




#74
N-amyl acetate
Concen: 51.399 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 131979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.1 | 32.2 | 48.2 |
| 55 | 25.0 | 19.1 | 28.7 |
| 61 | 25.1 | 18.6 | 28.0 |

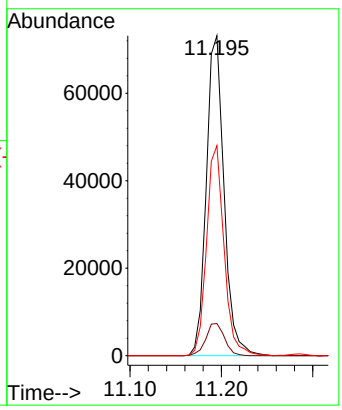





#75
1,1,2,2-Tetrachloroethane
Concen: 49.936 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 83 Resp: 9871

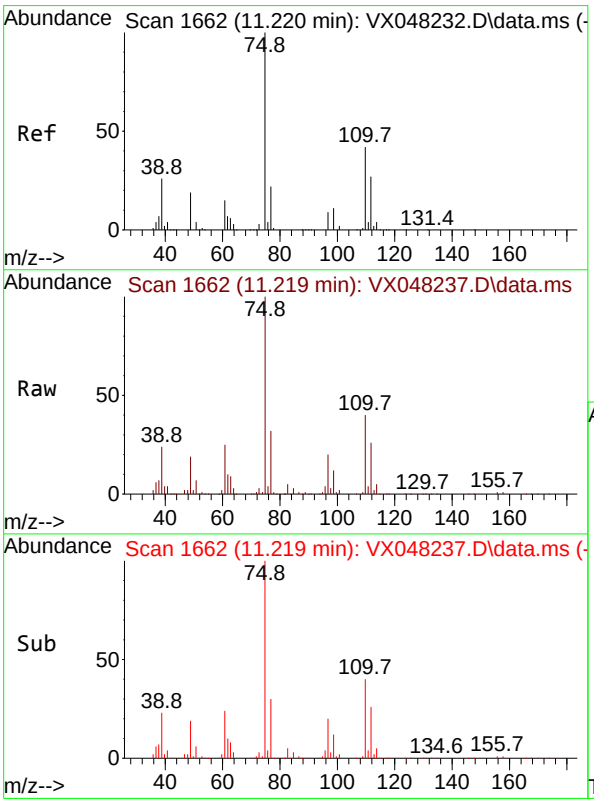
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.6 | 4.8 | 14.4 |
| 85 | 64.8 | 31.9 | 95.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

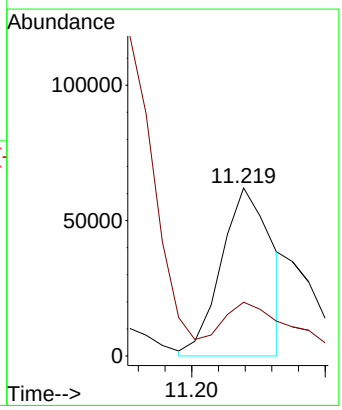
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

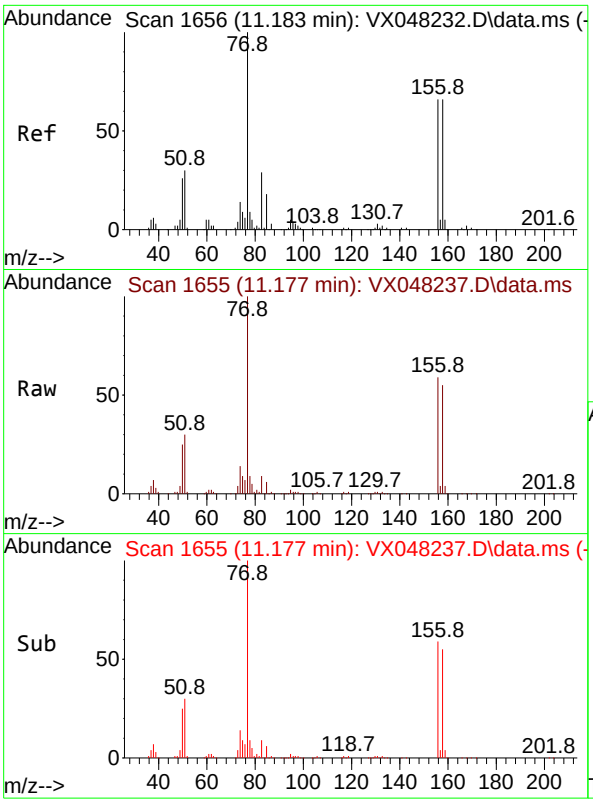



#76
1,2,3-Trichloropropane
Concen: 50.456 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 81093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 45.4 | 22.4 | 67.2 |

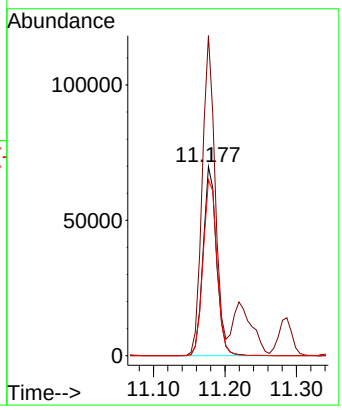





#77
Bromobenzene
Concen: 50.135 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:156 Resp: 9100

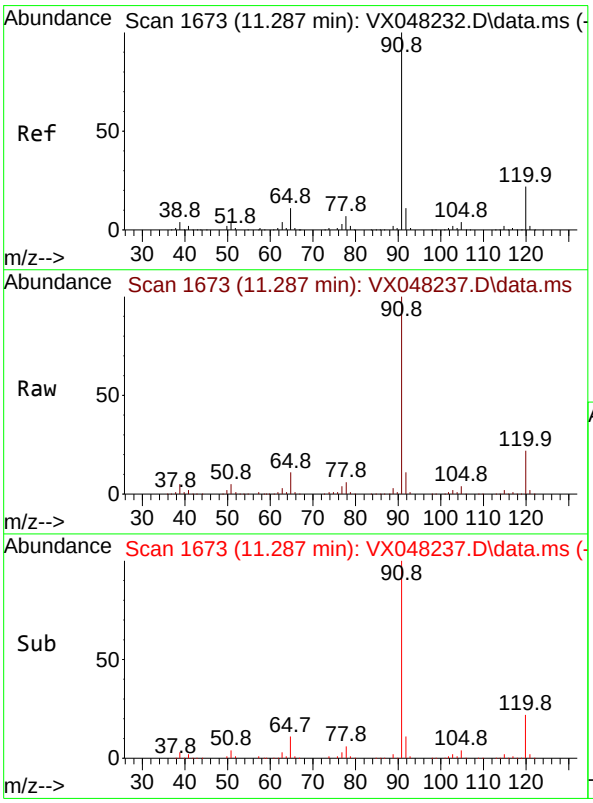
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 162.5 | 87.0 | 261.0 |
| 158 | 96.4 | 47.8 | 143.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

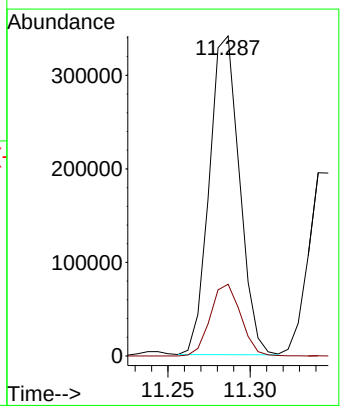
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

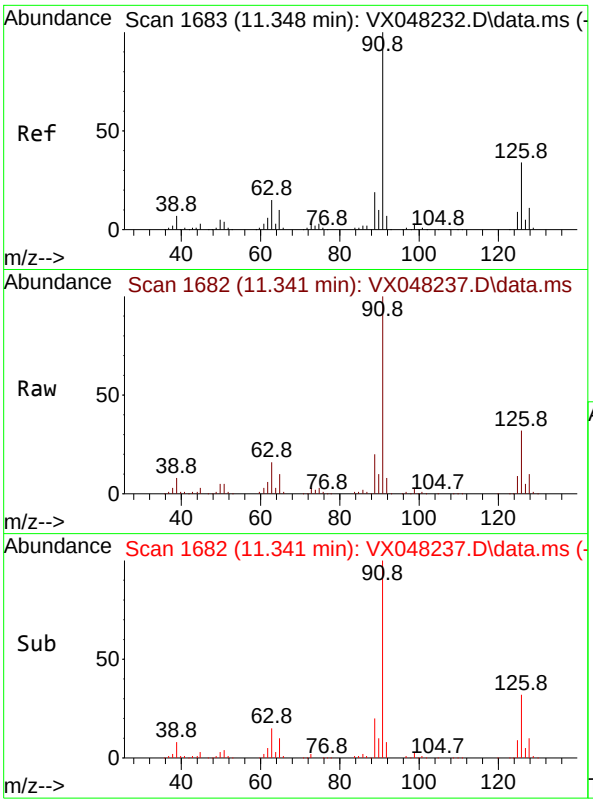



#78
n-propylbenzene
Concen: 51.980 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 91 Resp: 435662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.1 | 33.1 |






#79
2-Chlorotoluene
Concen: 50.760 ug/l
RT: 11.341 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

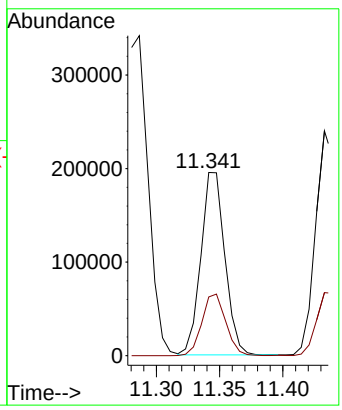
Tgt Ion: 91 Resp: 25793

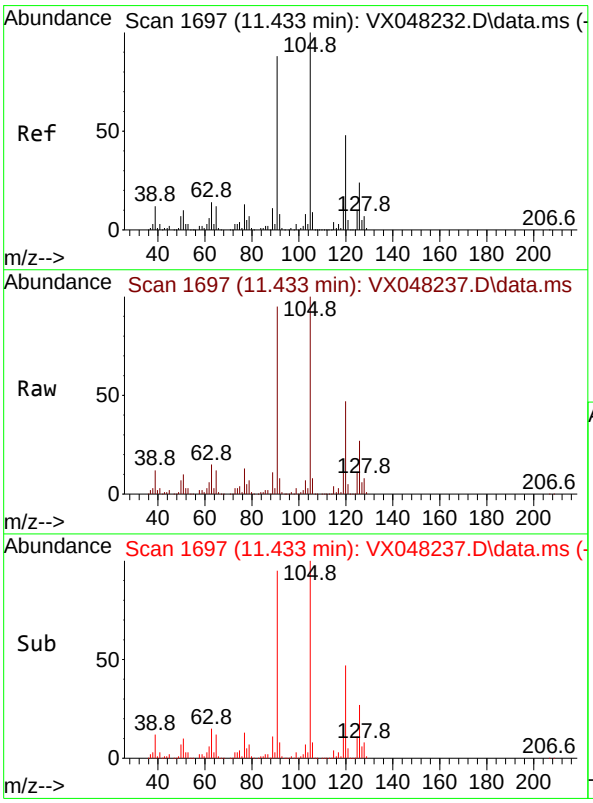
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.7 | 16.4 | 49.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

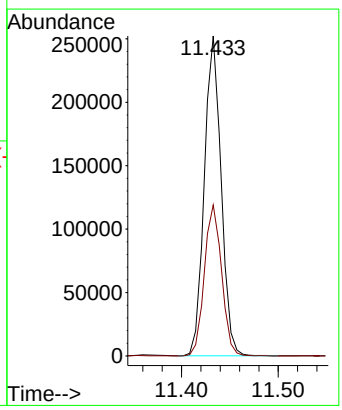


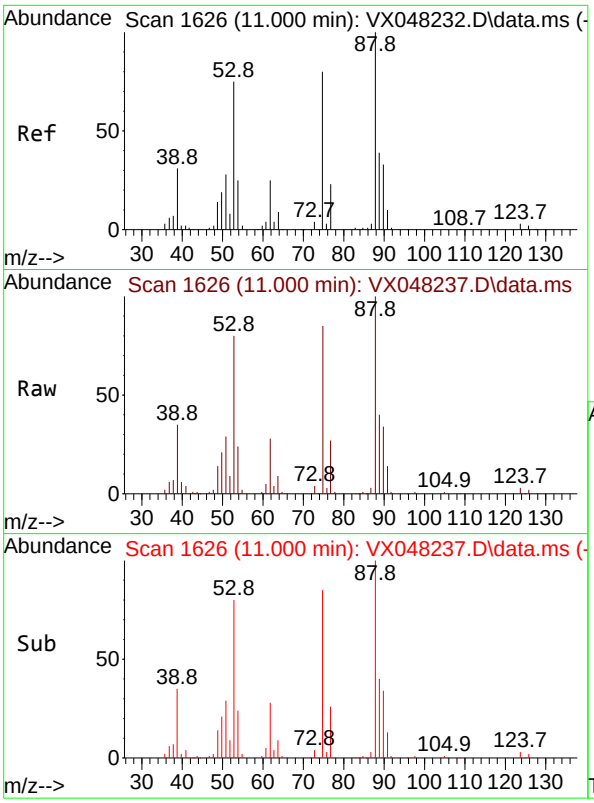




#80
1,3,5-Trimethylbenzene
Concen: 50.918 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:105 Resp: 305027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.5 | 24.0 | 72.0 |

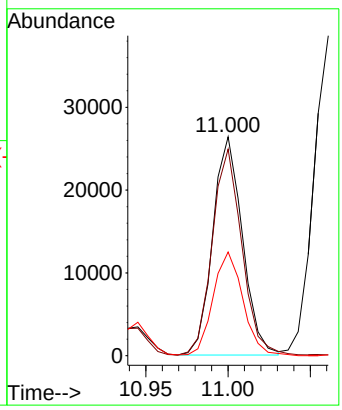





#81
trans-1,4-Dichloro-2-butene
Concen: 49.995 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 3302

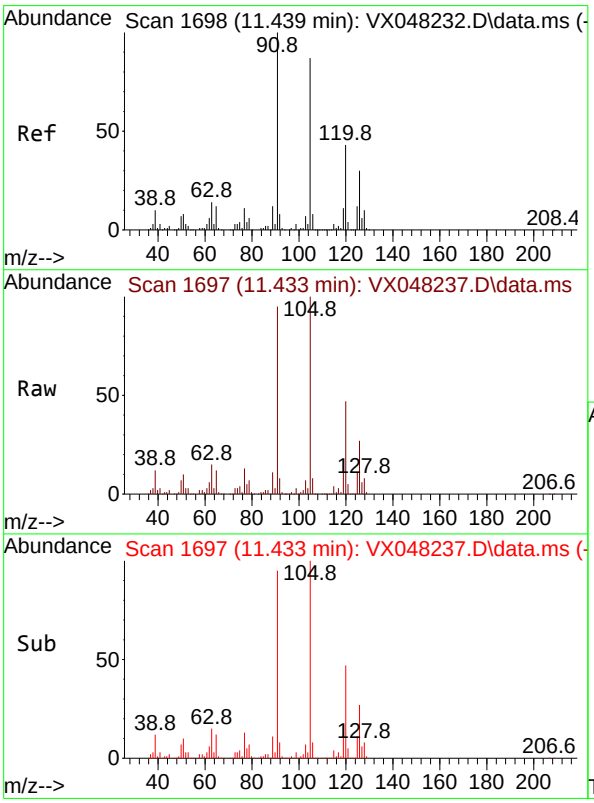
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 95.4 | 79.5 | 119.3 |
| 89 | 48.1 | 36.8 | 55.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

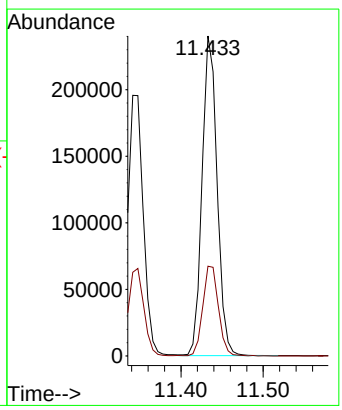
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

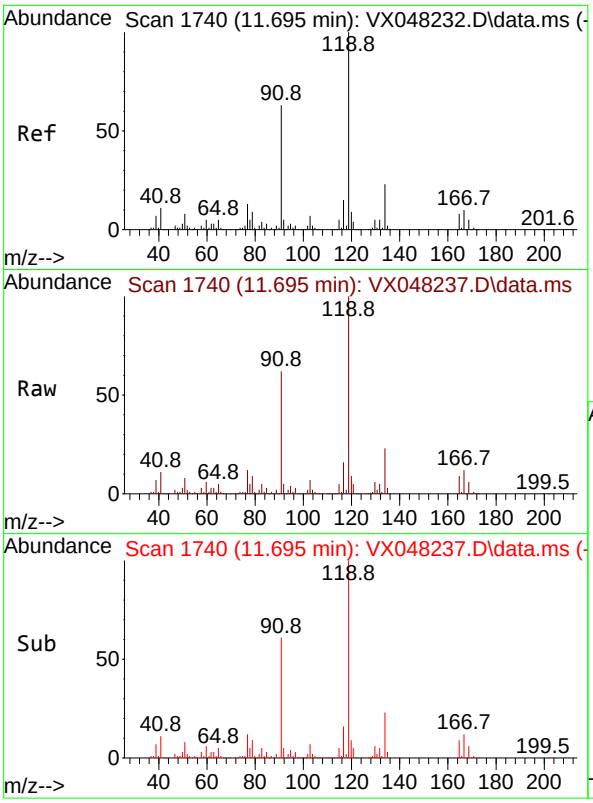



#82
4-Chlorotoluene
Concen: 50.507 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 91 Resp: 304670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.5 | 14.1 | 42.4 |

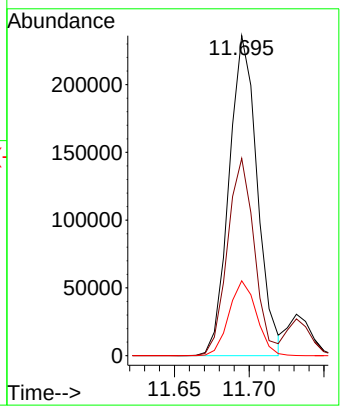





#83
tert-Butylbenzene
Concen: 50.288 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:119 Resp: 30952

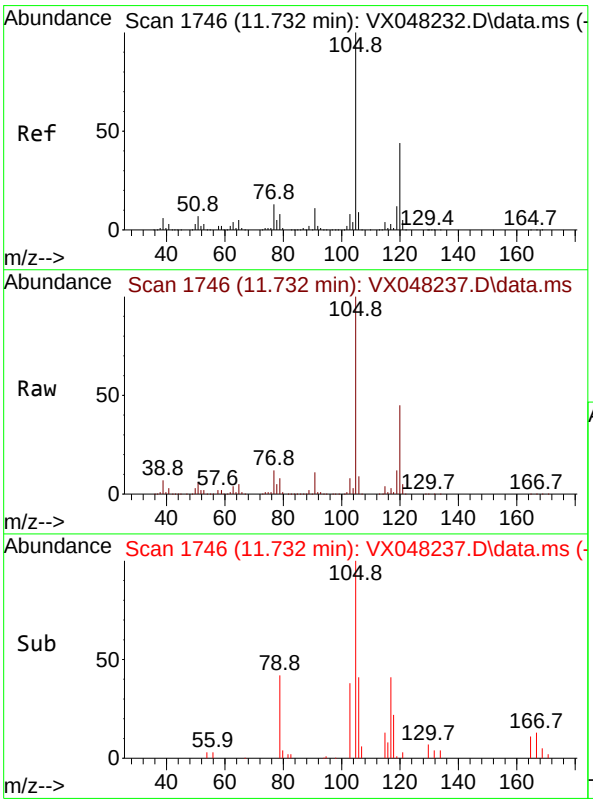
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.2 | 30.3 | 91.0 |
| 134 | 22.9 | 11.4 | 34.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

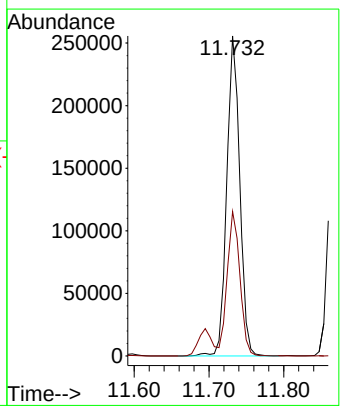
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

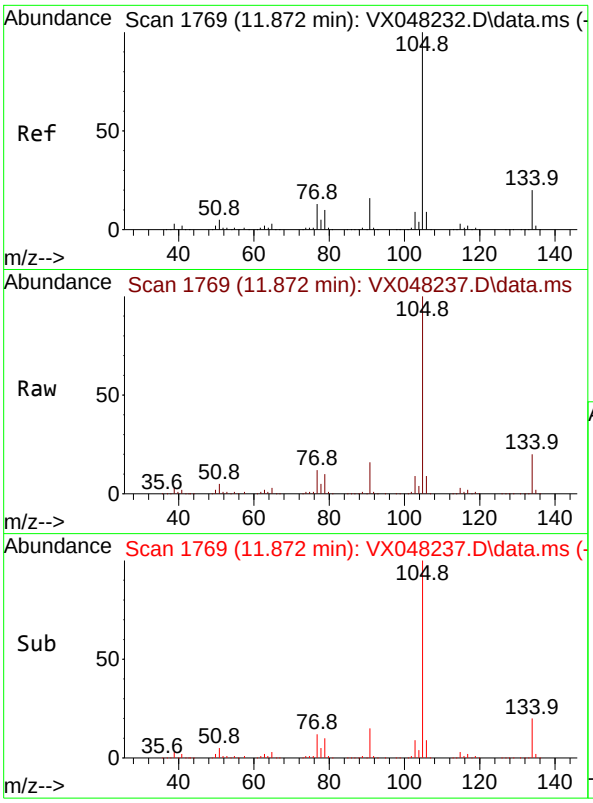



#84
1,2,4-Trimethylbenzene
Concen: 51.607 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:105 Resp: 308529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.5 |

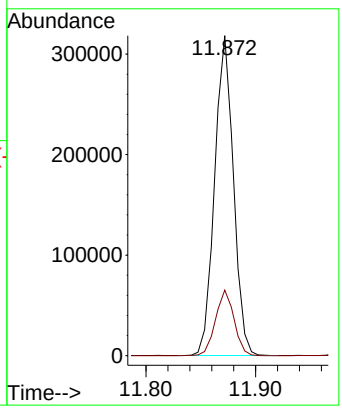





#85
sec-Butylbenzene
Concen: 51.230 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:105 Resp: 37936

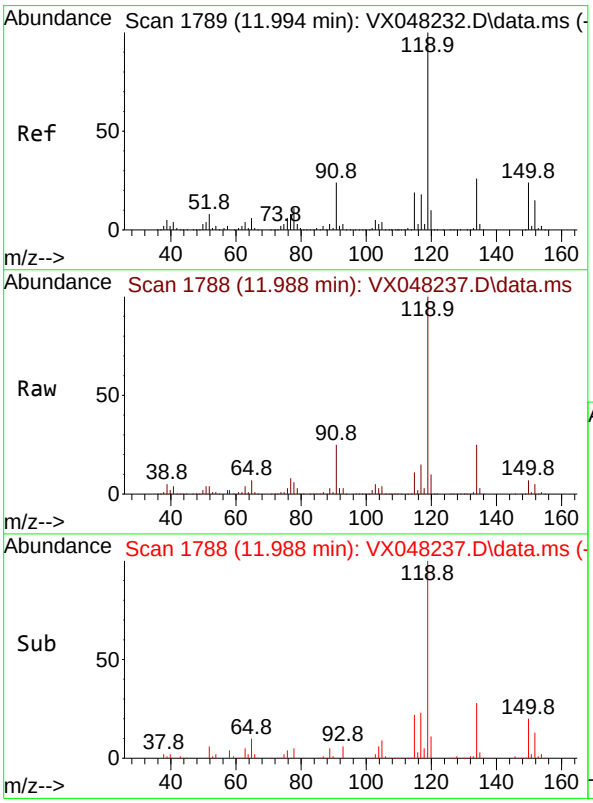
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 10.1 | 30.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

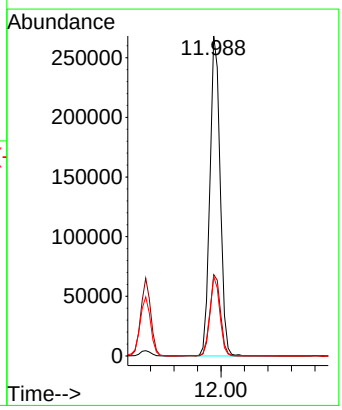
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

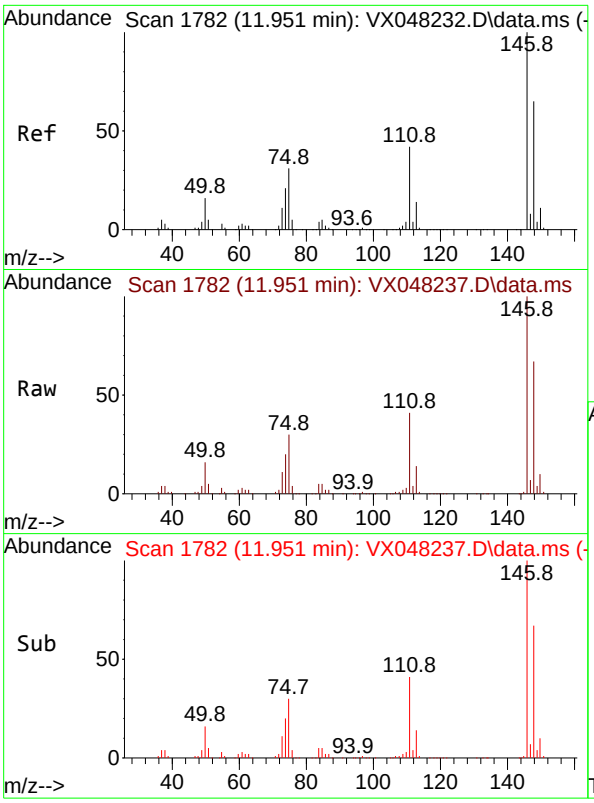



#86
p-Isopropyltoluene
Concen: 50.686 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:119 Resp: 324425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 13.0 | 39.0 |
| 91 | 24.3 | 12.1 | 36.3 |

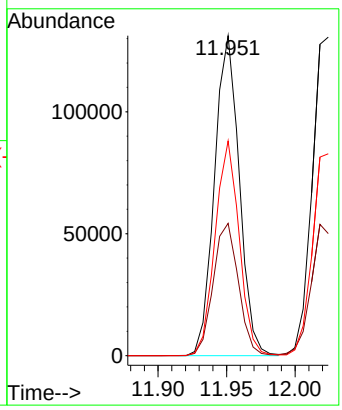





#87
1,3-Dichlorobenzene
Concen: 48.229 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:146 Resp: 16502

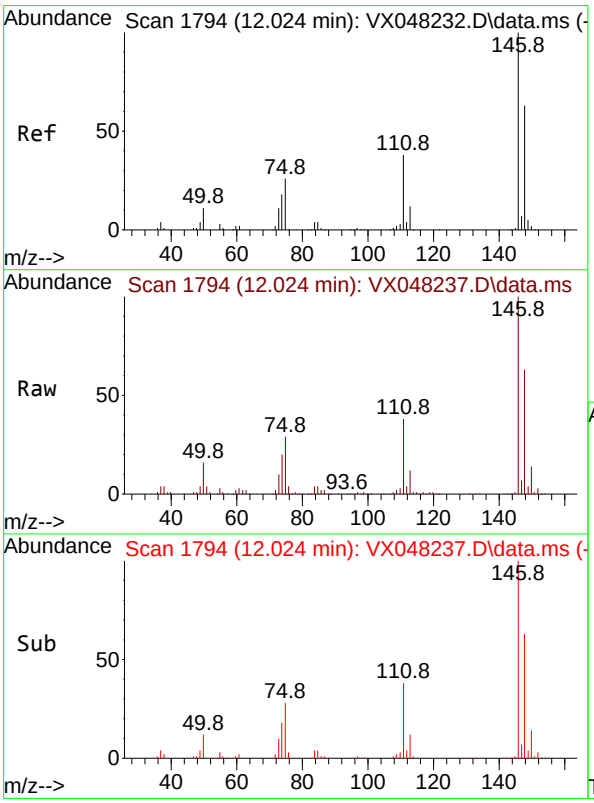
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 20.4 | 61.2 |
| 148 | 65.3 | 31.9 | 95.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

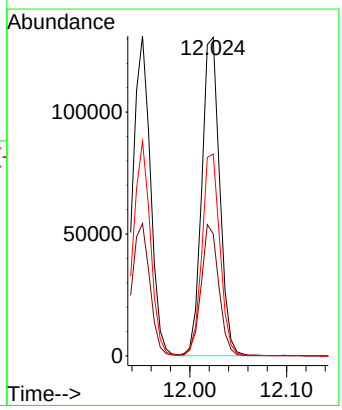
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

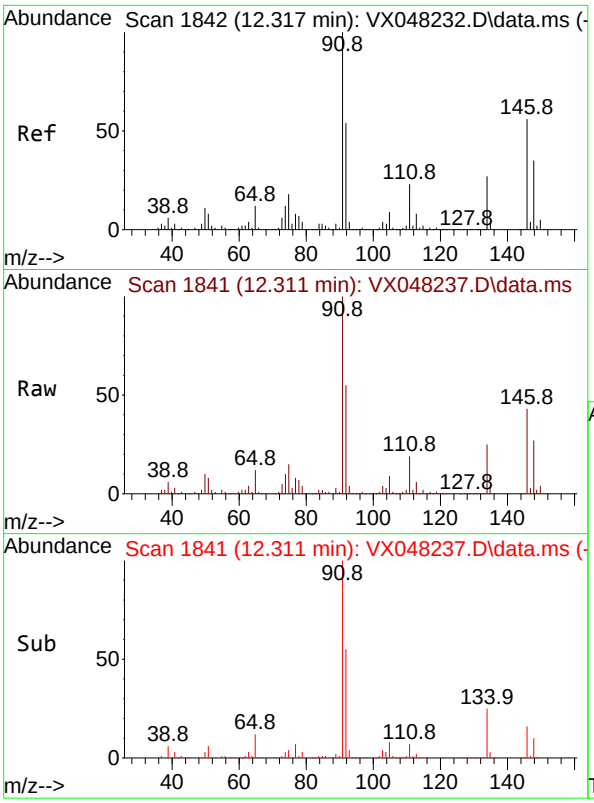



#88
1,4-Dichlorobenzene
Concen: 47.423 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:146 Resp: 168102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 20.1 | 60.2 |
| 148 | 63.9 | 31.8 | 95.3 |






#89
n-Butylbenzene
Concen: 49.728 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

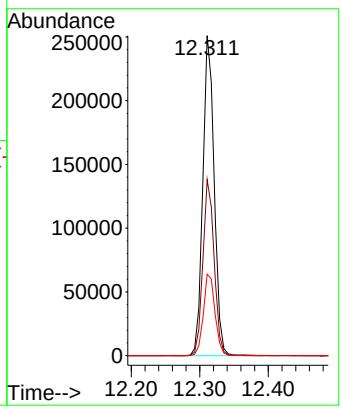
Tgt Ion: 91 Resp: 28970

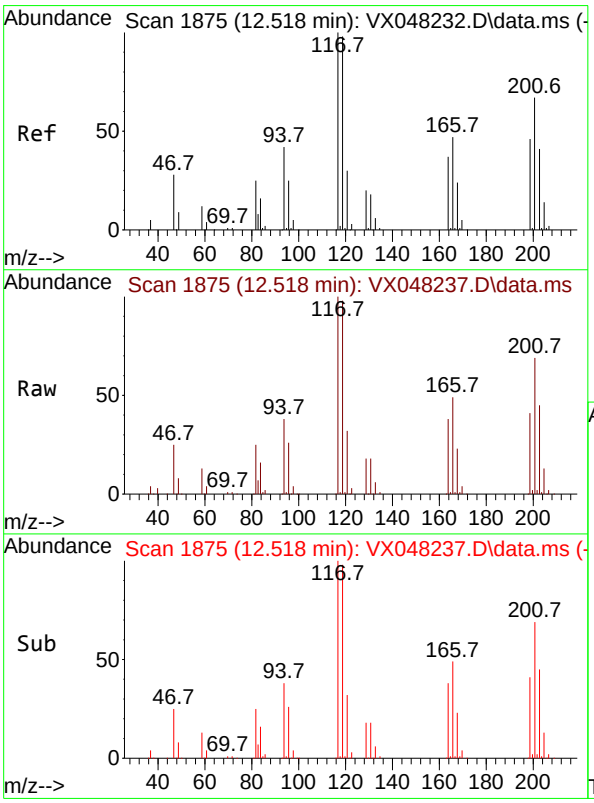
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.7 | 26.9 | 80.6 |
| 134 | 26.1 | 12.7 | 38.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

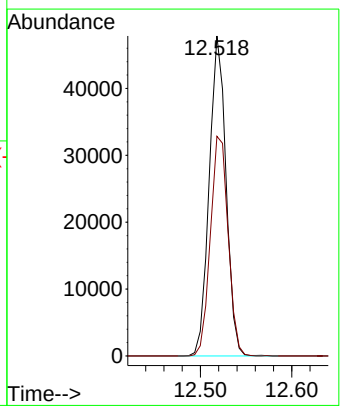


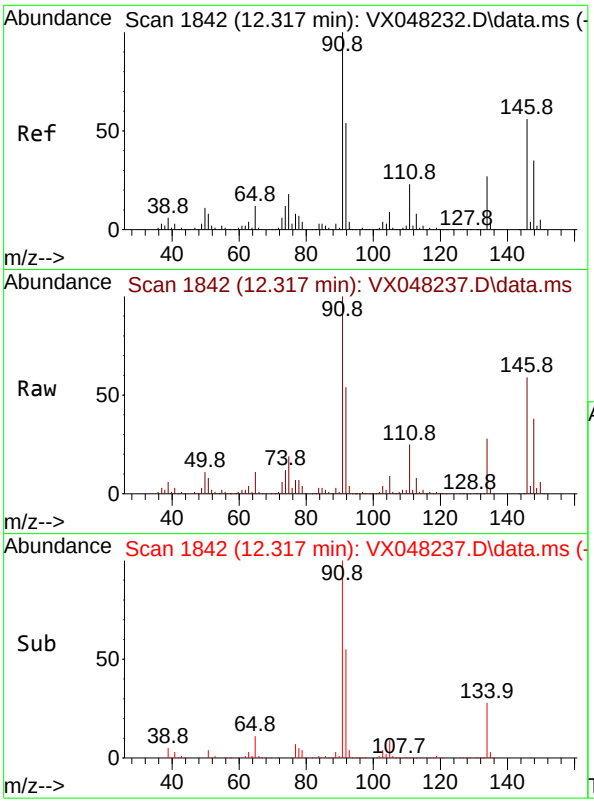




#90
Hexachloroethane
Concen: 48.437 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:117 Resp: 61223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.4 | 34.1 | 102.2 |

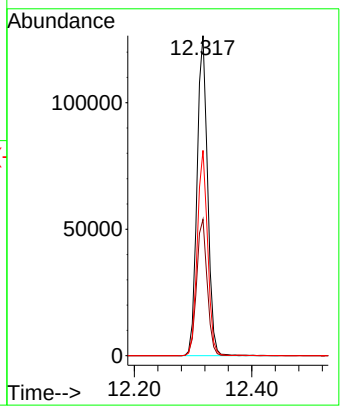





#91
1,2-Dichlorobenzene
Concen: 49.123 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:146 Resp: 15781

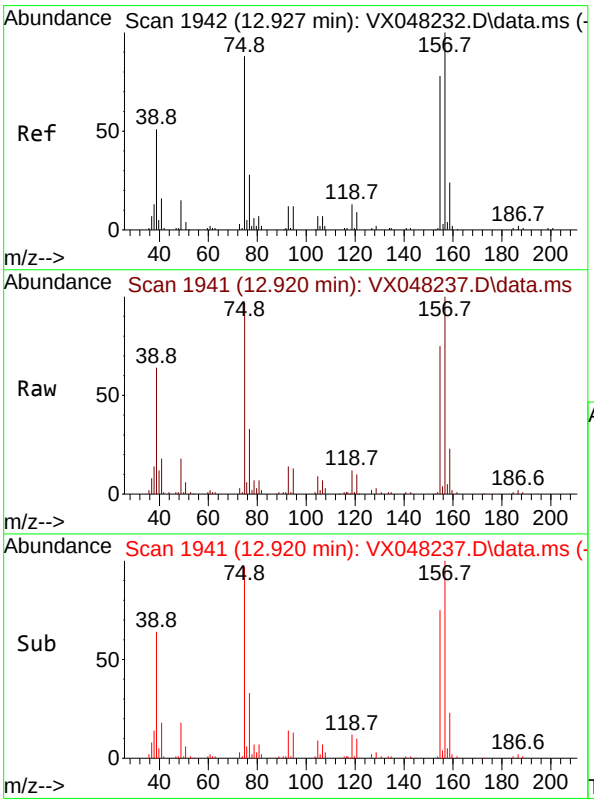
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 21.9 | 65.5 |
| 148 | 62.8 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

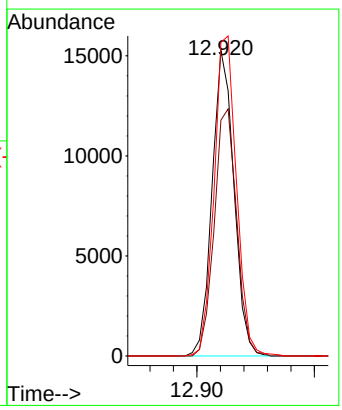
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

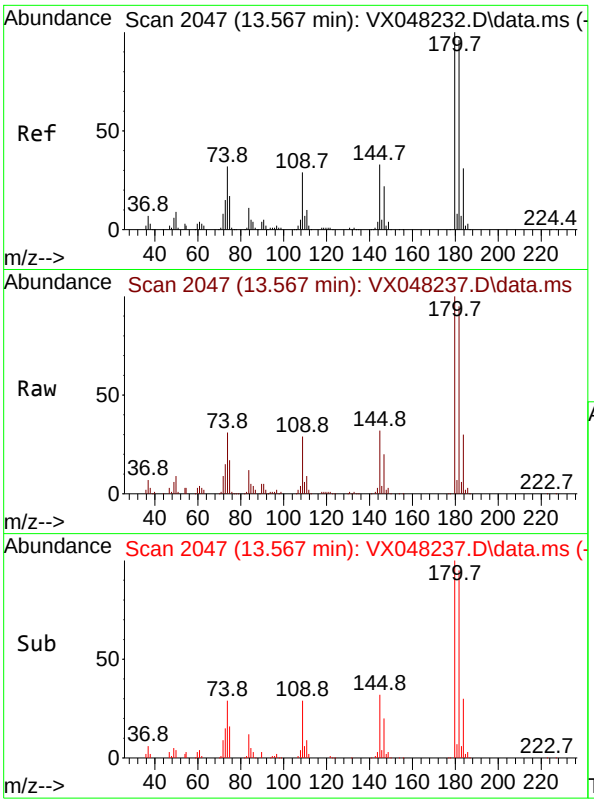



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.072 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 19691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.2 | 42.8 | 128.4 |
| 157 | 107.6 | 54.2 | 162.6 |

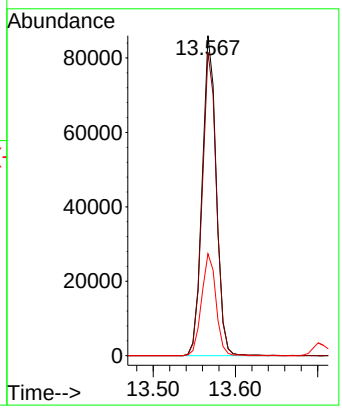





#93
1,2,4-Trichlorobenzene
Concen: 46.941 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:180 Resp: 10198

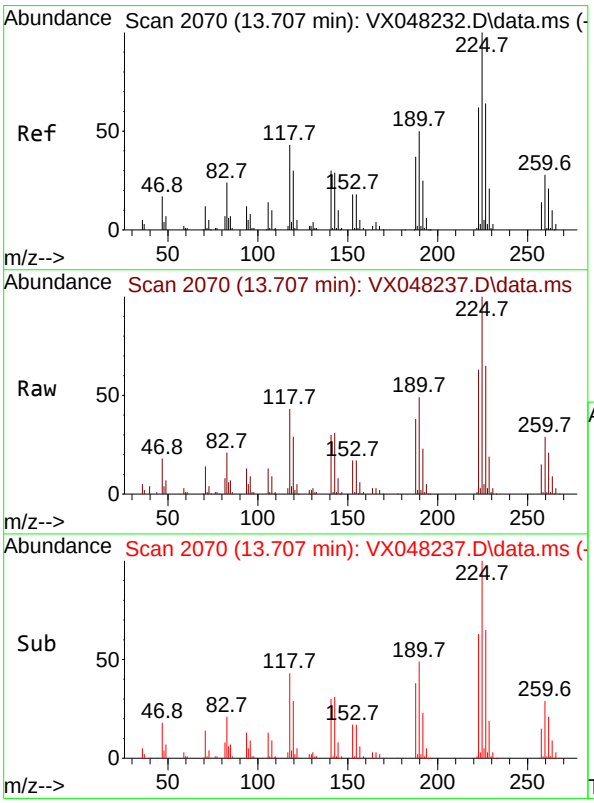
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 47.3 | 142.0 |
| 145 | 32.5 | 16.3 | 48.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations APPROVED**

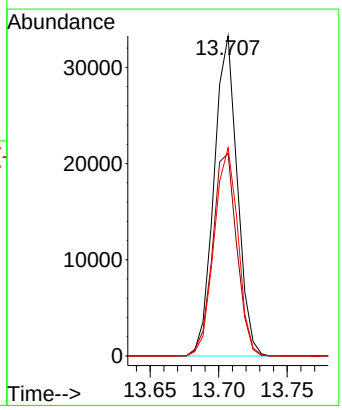
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

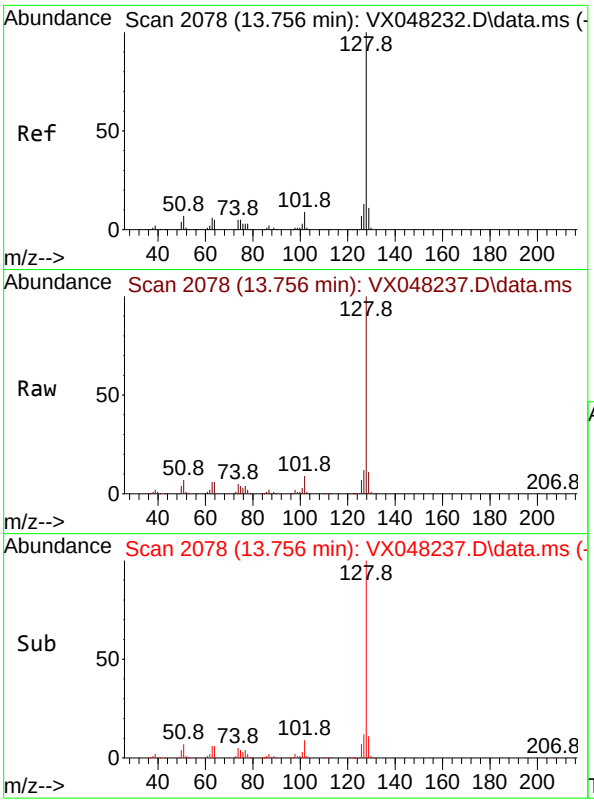



#94
Hexachlorobutadiene
Concen: 48.274 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:225 Resp: 39299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.8 | 32.6 | 97.7 |
| 227 | 66.5 | 32.5 | 97.4 |

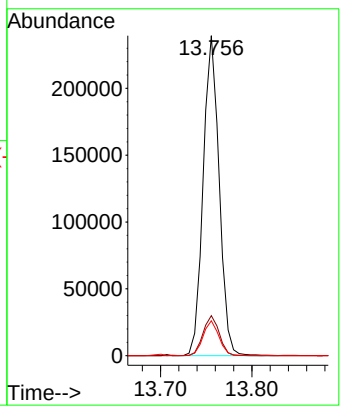





#95
Naphthalene
Concen: 50.362 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:128 Resp: 28988

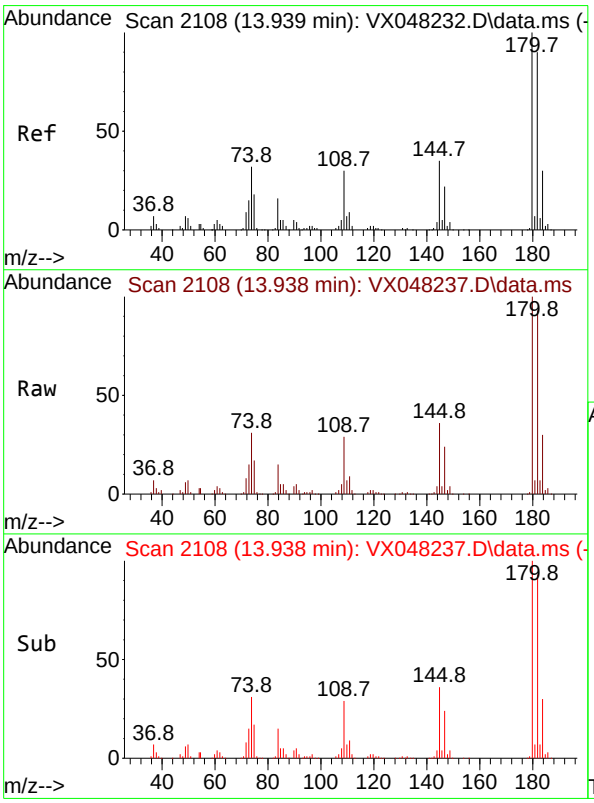
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.4 |
| 129 | 10.8 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

**Manual Integrations**
**APPROVED**

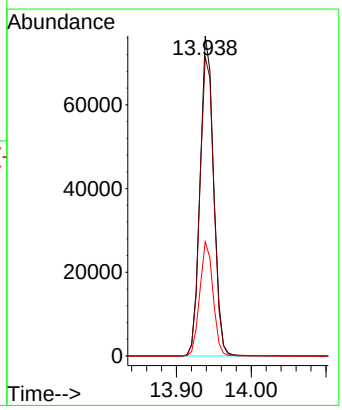
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 48.223 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:180 Resp: 96139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 46.6 | 139.7 |
| 145 | 34.8 | 16.9 | 50.7 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 116 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 0.514 | 0.528 | -2.7 | 127 | 0.00 |
| 3 | P | Chloromethane | 0.480 | 0.513 | -6.9 | 133 | 0.00 |
| 4 | C | Vinyl Chloride | 0.444 | 0.493 | -11.0# | 138 | 0.00 |
| 5 | T | Bromomethane | 0.302 | 0.331 | -9.6 | 136 | 0.00 |
| 6 | T | Chloroethane | 0.261 | 0.294 | -12.6 | 139 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.852 | 0.890 | -4.5 | 128 | 0.00 |
| 8 | T | Diethyl Ether | 0.240 | 0.258 | -7.5 | 135 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.540 | 0.578 | -7.0 | 134 | 0.00 |
| 10 | T | Methyl Iodide | 0.678 | 0.651 | 4.0 | 114 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.070 | 0.062 | 11.4 | 117 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.525 | 0.546 | -4.0# | 131 | 0.00 |
| 13 | T | Acrolein | 0.071 | 0.071 | 0.0 | 126 | 0.00 |
| 14 | T | Allyl chloride | 0.872 | 0.891 | -2.2 | 129 | 0.00 |
| 15 | T | Acrylonitrile | 0.251 | 0.252 | -0.4 | 122 | 0.00 |
| 16 | T | Acetone | 0.240 | 0.211 | 12.1 | 121 | 0.00 |
| 17 | T | Carbon Disulfide | 1.654 | 1.614 | 2.4 | 130 | 0.00 |
| 18 | T | Methyl Acetate | 0.502 | 0.494 | 1.6 | 123 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.791 | 1.761 | 1.7 | 120 | 0.00 |
| 20 | T | Methylene Chloride | 0.586 | 0.598 | -2.0 | 126 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.577 | 0.587 | -1.7 | 128 | 0.00 |
| 22 | T | Diisopropyl ether | 1.738 | 1.796 | -3.3 | 126 | 0.00 |
| 23 | T | Vinyl Acetate | 1.389 | 1.445 | -4.0 | 125 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.051 | 1.040 | 1.0 | 124 | 0.00 |
| 25 | T | 2-Butanone | 0.304 | 0.290 | 4.6 | 120 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.949 | 0.915 | 3.6 | 121 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.673 | 0.678 | -0.7 | 126 | -0.01 |
| 28 | T | Bromochloromethane | 0.436 | 0.406 | 6.9 | 107 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.182 | 0.177 | 2.7 | 120 | -0.01 |
| 30 | C | Chloroform | 1.123 | 1.088 | 3.1# | 121 | 0.00 |
| 31 | T | Cyclohexane | 0.870 | 0.916 | -5.3 | 130 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.035 | 1.000 | 3.4 | 120 | -0.01 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.701 | 0.641 | 8.6 | 109 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 114 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.341 | 0.334 | 2.1 | 115 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.485 | 0.479 | 1.2 | 126 | -0.01 |
| 37 | T | Ethyl Acetate | 0.402 | 0.384 | 4.5 | 119 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.599 | 0.577 | 3.7 | 119 | 0.00 |
| 39 | T | Methylcyclohexane | 0.573 | 0.604 | -5.4 | 127 | 0.00 |
| 40 | TM | Benzene | 1.409 | 1.415 | -0.4 | 124 | 0.00 |
| 41 | T | Methacrylonitrile | 0.211 | 0.213 | -0.9 | 118 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 0.520 | 0.509 | 2.1 | 116 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.661 | 0.658 | 0.5 | 118 | 0.00 |
| 44 | TM | Trichloroethene | 0.372 | 0.376 | -1.1 | 123 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.335 | 0.342 | -2.1# | 121 | 0.00 |
| 46 | T | Dibromomethane | 0.261 | 0.255 | 2.3 | 118 | 0.00 |
| 47 | T | Bromodichloromethane | 0.563 | 0.546 | 3.0 | 115 | 0.00 |
| 48 | T | Methyl methacrylate | 0.333 | 0.330 | 0.9 | 117 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 0.004 | 0.0 | 113 | 0.00 |
| 50 | S | Toluene-d8 | 1.196 | 1.158 | 3.2 | 111 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.381 | 0.373 | 2.1 | 113 | 0.00 |
| 52 | CM | Toluene | 0.895 | 0.896 | -0.1# | 118 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.543 | 0.543 | 0.0 | 113 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.586 | 0.585 | 0.2 | 116 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.333 | 0.330 | 0.9 | 117 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.487 | 0.486 | 0.2 | 113 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.568 | 0.560 | 1.4 | 116 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.232 | 0.253 | -9.1 | 111 | 0.00 |
| 59 | T | 2-Hexanone | 0.266 | 0.261 | 1.9 | 112 | 0.00 |
| 60 | T | Dibromochloromethane | 0.447 | 0.425 | 4.9 | 114 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.355 | 0.350 | 1.4 | 116 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.455 | 0.426 | 6.4 | 109 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 64 | T | Tetrachloroethene | 0.373 | 0.363 | 2.7 | 121 | 0.00 |
| 65 | PM | Chlorobenzene | 1.125 | 1.127 | -0.2 | 118 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.413 | 0.405 | 1.9 | 113 | 0.00 |
| 67 | C | Ethyl Benzene | 1.915 | 1.946 | -1.6# | 116 | 0.00 |
| 68 | T | m/p-Xylenes | 0.712 | 0.729 | -2.4 | 116 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.693 | -0.9 | 114 | 0.00 |
| 70 | T | Styrene | 1.170 | 1.208 | -3.2 | 115 | 0.00 |
| 71 | P | Bromoform | 0.330 | 0.319 | 3.3 | 113 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 73 | T | Isopropylbenzene | 3.652 | 3.773 | -3.3 | 118 | 0.00 |
| 74 | T | N-amyl acetate | 1.295 | 1.332 | -2.9 | 114 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.997 | 0.996 | 0.1 | 113 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.811 | 0.818 | -0.9 | 119 | 0.00 |
| 77 | T | Bromobenzene | 0.916 | 0.918 | -0.2 | 114 | 0.00 |
| 78 | T | n-propylbenzene | 4.228 | 4.396 | -4.0 | 117 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.564 | 2.603 | -1.5 | 116 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.022 | 3.078 | -1.9 | 115 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.333 | 0.333 | 0.0 | 113 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.043 | 3.074 | -1.0 | 114 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.105 | 3.123 | -0.6 | 115 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.016 | 3.113 | -3.2 | 116 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.736 | 3.828 | -2.5 | 118 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.229 | 3.273 | -1.4 | 117 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.726 | 1.665 | 3.5 | 115 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.788 | 1.696 | 5.1 | 115 | 0.00 |
| 89 | T | n-Butylbenzene | 2.939 | 2.923 | 0.5 | 119 | 0.00 |
| 90 | T | Hexachloroethane | 0.638 | 0.618 | 3.1 | 116 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.621 | 1.592 | 1.8 | 114 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.202 | 0.199 | 1.5 | 109 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.096 | 1.029 | 6.1 | 115 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.507 | 0.397 | 21.7 | 114 | 0.00 |
| 95 | T | Naphthalene | 2.904 | 2.925 | -0.7 | 113 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 1.006 | 0.970 | 3.6 | 114 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 116 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 51.331 | -2.7 | 127 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 53.491 | -7.0 | 133 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 55.441 | -10.9# | 138 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 54.847 | -9.7 | 136 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 56.320 | -12.6 | 139 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 52.209 | -4.4 | 128 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 53.742 | -7.5 | 135 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 53.589 | -7.2 | 134 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.994 | 4.0 | 114 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 223.693 | 10.5 | 117 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 52.043 | -4.1# | 131 | 0.00 |
| 13 | T | Acrolein | 250.000 | 249.473 | 0.2 | 126 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 51.099 | -2.2 | 129 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 250.900 | -0.4 | 122 | 0.00 |
| 16 | T | Acetone | 250.000 | 219.789 | 12.1 | 121 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 48.792 | 2.4 | 130 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 49.190 | 1.6 | 123 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.162 | 1.7 | 120 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 51.066 | -2.1 | 126 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.932 | -1.9 | 128 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 51.665 | -3.3 | 126 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 260.168 | -4.1 | 125 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.490 | 1.0 | 124 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 238.354 | 4.7 | 120 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.230 | 3.5 | 121 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.350 | -0.7 | 126 | -0.01 |
| 28 | T | Bromochloromethane | 50.000 | 46.587 | 6.8 | 107 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 242.572 | 3.0 | 120 | -0.01 |
| 30 | C | Chloroform | 50.000 | 48.427 | 3.1# | 121 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 52.646 | -5.3 | 130 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.309 | 3.4 | 120 | -0.01 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.687 | 8.6 | 109 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 114 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.951 | 2.1 | 115 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.344 | 1.3 | 126 | -0.01 |
| 37 | T | Ethyl Acetate | 50.000 | 47.684 | 4.6 | 119 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.228 | 3.5 | 119 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 52.670 | -5.3 | 127 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.241 | -0.5 | 124 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.358 | -0.7 | 118 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 48.963 | 2.1 | 116 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.816 | 0.4 | 118 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.582 | -1.2 | 123 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.994 | -2.0# | 121 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 48.913 | 2.2 | 118 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.459 | 3.1 | 115 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 49.519 | 1.0 | 117 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 1000.197 | -0.0 | 113 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.386 | 3.2 | 111 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 244.897 | 2.0 | 113 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.088 | -0.2# | 118 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.004 | -0.0 | 113 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.944 | 0.1 | 116 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 49.597 | 0.8 | 117 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 49.964 | 0.1 | 113 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 49.226 | 1.5 | 116 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 242.124 | 3.2 | 111 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 246.102 | 1.6 | 112 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 47.530 | 4.9 | 114 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 49.319 | 1.4 | 116 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 46.795 | 6.4 | 109 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 109 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.686 | 2.6 | 121 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.095 | -0.2 | 118 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.014 | 2.0 | 113 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.798 | -1.6# | 116 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.416 | -2.4 | 116 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.424 | -0.8 | 114 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.651 | -3.3 | 115 | 0.00 |
| 71 | P | Bromoform | 50.000 | 48.250 | 3.5 | 113 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.658 | -3.3 | 118 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.399 | -2.8 | 114 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 49.936 | 0.1 | 113 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.456 | -0.9 | 119 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.135 | -0.3 | 114 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.980 | -4.0 | 117 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.760 | -1.5 | 116 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.918 | -1.8 | 115 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.995 | 0.0 | 113 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.507 | -1.0 | 114 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.288 | -0.6 | 115 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.607 | -3.2 | 116 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.230 | -2.5 | 118 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.686 | -1.4 | 117 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.229 | 3.5 | 115 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.423 | 5.2 | 115 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 49.728 | 0.5 | 119 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.437 | 3.1 | 116 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.123 | 1.8 | 114 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 49.072 | 1.9 | 109 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 46.941 | 6.1 | 115 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.274 | 3.5 | 114 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.362 | -0.7 | 113 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 48.223 | 3.6 | 114 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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.: | Q3371 |
| Instrument ID: | MSVOA_X | Calibration Date/Time: | 10/20/2025 19:25 |
| Lab File ID: | VX048250.D | Init. Calib. Date(s): | 10/20/2025 10/20/2025 |
| Heated Purge: (Y/N) | N | Init. Calib. Time(s): | 10:59 13:49 |

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.514 | 0.390 | | -24.13 | 50 |
| Chloromethane | 0.480 | 0.382 | 0.1 | -20.42 | 50 |
| Vinyl Chloride | 0.444 | 0.366 | | -17.57 | 50 |
| Bromomethane | 0.302 | 0.257 | | -14.9 | 50 |
| Chloroethane | 0.261 | 0.226 | | -13.41 | 50 |
| Trichlorofluoromethane | 0.852 | 0.698 | | -18.08 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.540 | 0.436 | | -19.26 | 50 |
| 1,1-Dichloroethene | 0.525 | 0.438 | | -16.57 | 50 |
| Acetone | 0.240 | 0.168 | | -30 | 50 |
| Carbon Disulfide | 1.654 | 1.268 | | -23.34 | 50 |
| Methyl tert-butyl Ether | 1.791 | 1.597 | | -10.83 | 50 |
| Methyl Acetate | 0.502 | 0.453 | | -9.76 | 50 |
| Methylene Chloride | 0.586 | 0.524 | | -10.58 | 50 |
| trans-1,2-Dichloroethene | 0.577 | 0.499 | | -13.52 | 50 |
| 1,1-Dichloroethane | 1.051 | 0.916 | 0.1 | -12.85 | 50 |
| Cyclohexane | 0.870 | 0.750 | | -13.79 | 50 |
| 2-Butanone | 0.304 | 0.257 | | -15.46 | 50 |
| Carbon Tetrachloride | 0.599 | 0.454 | | -24.21 | 50 |
| cis-1,2-Dichloroethene | 0.673 | 0.594 | | -11.74 | 50 |
| Bromochloromethane | 0.436 | 0.446 | | 2.29 | 50 |
| Chloroform | 1.123 | 0.970 | | -13.62 | 50 |
| 1,1,1-Trichloroethane | 1.035 | 0.882 | | -14.78 | 50 |
| Methylcyclohexane | 0.573 | 0.450 | | -21.47 | 50 |
| Benzene | 1.409 | 1.178 | | -16.4 | 50 |
| 1,2-Dichloroethane | 0.520 | 0.431 | | -17.11 | 50 |
| Trichloroethene | 0.372 | 0.306 | | -17.74 | 50 |
| 1,2-Dichloropropane | 0.335 | 0.289 | | -13.73 | 50 |
| Bromodichloromethane | 0.563 | 0.468 | | -16.87 | 50 |
| 4-Methyl-2-Pentanone | 0.381 | 0.326 | | -14.44 | 50 |
| Toluene | 0.895 | 0.741 | | -17.21 | 50 |
| t-1,3-Dichloropropene | 0.543 | 0.460 | | -15.28 | 50 |
| cis-1,3-Dichloropropene | 0.586 | 0.492 | | -16.04 | 50 |
| 1,1,2-Trichloroethane | 0.333 | 0.282 | | -15.31 | 50 |
| 2-Hexanone | 0.266 | 0.224 | | -15.79 | 50 |
| Dibromochloromethane | 0.447 | 0.366 | | -18.12 | 50 |
| 1,2-Dibromoethane | 0.355 | 0.301 | | -15.21 | 50 |
| Tetrachloroethene | 0.373 | 0.280 | | -24.93 | 50 |
| Chlorobenzene | 1.125 | 0.895 | 0.3 | -20.44 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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.: Q3371

Instrument ID: MSVOA_X | Calibration Date/Time: 10/20/2025 19:25

Lab File ID: VX048250.D | Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 10:59 13:49

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.915 | 1.531 | | -20.05 | 50 |
| m/p-Xylenes | 0.712 | 0.582 | | -18.26 | 50 |
| o-Xylene | 0.687 | 0.558 | | -18.78 | 50 |
| Styrene | 1.170 | 0.976 | | -16.58 | 50 |
| Bromoform | 0.330 | 0.259 | 0.1 | -21.51 | 50 |
| Isopropylbenzene | 3.652 | 2.868 | | -21.47 | 50 |
| 1,1,2,2-Tetrachloroethane | 0.997 | 0.804 | 0.3 | -19.36 | 50 |
| 1,3-Dichlorobenzene | 1.726 | 1.338 | | -22.48 | 50 |
| 1,4-Dichlorobenzene | 1.788 | 1.344 | | -24.83 | 50 |
| 1,2-Dichlorobenzene | 1.621 | 1.253 | | -22.7 | 50 |
| 1,2-Dibromo-3-Chloropropane | 0.202 | 0.163 | | -19.31 | 50 |
| 1,2,4-Trichlorobenzene | 1.096 | 0.800 | | -27.01 | 50 |
| 1,2,3-Trichlorobenzene | 1.006 | 0.753 | | -25.15 | 50 |
| 1,2-Dichloroethane-d4 | 0.701 | 0.653 | | -6.85 | 50 |
| Dibromofluoromethane | 0.341 | 0.312 | | -8.5 | 50 |
| Toluene-d8 | 1.196 | 1.070 | | -10.53 | 50 |
| 4-Bromofluorobenzene | 0.455 | 0.424 | | -6.81 | 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\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 139607 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 238004 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 222585 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 111726 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 91100 | 46.542 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 93.080% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 74151 | 45.636 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 91.280% | | | |
| 50) Toluene-d8 | 8.634 | 98 | 254653 | 44.713 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 89.420%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 100937 | 46.587 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 93.180% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 54463 | 37.949 | ug/l | 97 |
| 3) Chloromethane | 1.300 | 50 | 53315 | 39.799 | ug/l | 96 |
| 4) Vinyl Chloride | 1.380 | 62 | 51029 | 41.136 | ug/l | 99 |
| 5) Bromomethane | 1.611 | 94 | 35864 | 42.601 | ug/l | 94 |
| 6) Chloroethane | 1.691 | 64 | 31620 | 43.378 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 97500 | 40.982 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 30102 | 44.968 | ug/l | 88 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 60929 | 40.443 | ug/l | 95 |
| 10) Methyl Iodide | 2.459 | 142 | 84168 | 44.441 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.946 | 59 | 37972 | 195.385 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 61159 | 41.727 | ug/l | 94 |
| 13) Acrolein | 2.239 | 56 | 42514 | 214.491 | ug/l | 98 |
| 14) Allyl chloride | 2.666 | 41 | 103340 | 42.467 | ug/l | 97 |
| 15) Acrylonitrile | 3.056 | 53 | 156803 | 223.753 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 117599 | 175.130 | ug/l | 96 |
| 17) Carbon Disulfide | 2.514 | 76 | 177056 | 38.329 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 63263 | 45.112 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 222981 | 44.595 | ug/l | 100 |
| 20) Methylene Chloride | 2.788 | 84 | 73170 | 44.720 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 69597 | 43.228 | ug/l | 96 |
| 22) Diisopropyl ether | 3.751 | 45 | 223032 | 45.952 | ug/l | 93 |
| 23) Vinyl Acetate | 3.715 | 43 | 896740 | 231.296 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 127890 | 43.578 | ug/l | 99 |
| 25) 2-Butanone | 4.544 | 43 | 179090 | 210.709 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 103563 | 39.096 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 82973 | 44.159 | ug/l | 97 |
| 28) Bromochloromethane | 4.891 | 49 | 62244 | 51.151 | ug/l | 90 |
| 29) Tetrahydrofuran | 4.989 | 42 | 114202 | 224.351 | ug/l | 95 |
| 30) Chloroform | 5.080 | 83 | 135447 | 43.198 | ug/l | 97 |
| 31) Cyclohexane | 5.464 | 56 | 104755 | 43.114 | ug/l | 91 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 123078 | 42.592 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 91151 | 39.469 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 76900 | 40.173 | ug/l | 96 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 107972 | 37.895 | ug/l | 95 |
| 39) Methylcyclohexane | 7.366 | 83 | 107188 | 39.300 | ug/l | 92 |
| 40) Benzene | 6.025 | 78 | 280412 | 41.821 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.903 | 41 | 42951 | 42.726 ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 102580 | 41.460 ug/l | | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 133321 | 42.401 ug/l | # | 94 |
| 44) Trichloroethene | 7.110 | 130 | 72723 | 41.075 ug/l | | 89 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 68867 | 43.200 ug/l | | 98 |
| 46) Dibromomethane | 7.568 | 93 | 52507 | 42.277 ug/l | | 94 |
| 47) Bromodichloromethane | 7.805 | 83 | 111343 | 41.521 ug/l | | 99 |
| 48) Methyl methacrylate | 7.677 | 41 | 67583 | 42.595 ug/l | | 93 |
| 49) 1,4-Dioxane | 7.647 | 88 | 16924 | 807.374 ug/l | | 93 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 387550 | 213.772 ug/l | | 95 |
| 52) Toluene | 8.702 | 92 | 176360 | 41.403 ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 109424 | 42.344 ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 117004 | 41.966 ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 67214 | 42.431 ug/l | | 99 |
| 56) Ethyl methacrylate | 9.104 | 69 | 103017 | 44.462 ug/l | | 93 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 115414 | 42.655 ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 266044 | 213.796 ug/l | | 96 |
| 59) 2-Hexanone | 9.415 | 43 | 266829 | 211.078 ug/l | | 95 |
| 60) Dibromochloromethane | 9.506 | 129 | 87021 | 40.872 ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 71534 | 42.360 ug/l | | 98 |
| 64) Tetrachloroethene | 9.256 | 164 | 62251 | 37.463 ug/l | | 99 |
| 65) Chlorobenzene | 10.061 | 112 | 199218 | 39.787 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 72921 | 39.651 ug/l | | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 340670 | 39.962 ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 258895 | 81.737 ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 124210 | 40.619 ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 217296 | 41.732 ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 57595 | 39.184 ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 320429 | 39.266 ug/l | | 99 |
| 74) N-amyl acetate | 10.823 | 43 | 121526 | 41.983 ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 89867 | 40.326 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 81515m | 44.991 ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 82137 | 40.142 ug/l | | 95 |
| 78) n-propylbenzene | 11.286 | 91 | 375729 | 39.766 ug/l | | 97 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 227832 | 39.772 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 267685 | 39.638 ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 28849 | 38.739 ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 269666 | 39.656 ug/l | | 97 |
| 83) tert-Butylbenzene | 11.695 | 119 | 274302 | 39.532 ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 270928 | 40.199 ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 321937 | 38.565 ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 275642 | 38.201 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 149462 | 38.747 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 150187 | 37.584 ug/l | | 99 |
| 89) n-Butylbenzene | 12.311 | 91 | 243576 | 37.088 ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 51888 | 36.415 ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 140047 | 38.670 ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 18165 | 40.157 ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.566 | 180 | 89376 | 36.492 ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 32393 | 35.315 ug/l | | 99 |
| 95) Naphthalene | 13.755 | 128 | 261541 | 40.307 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 84101 | 37.421 ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

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

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

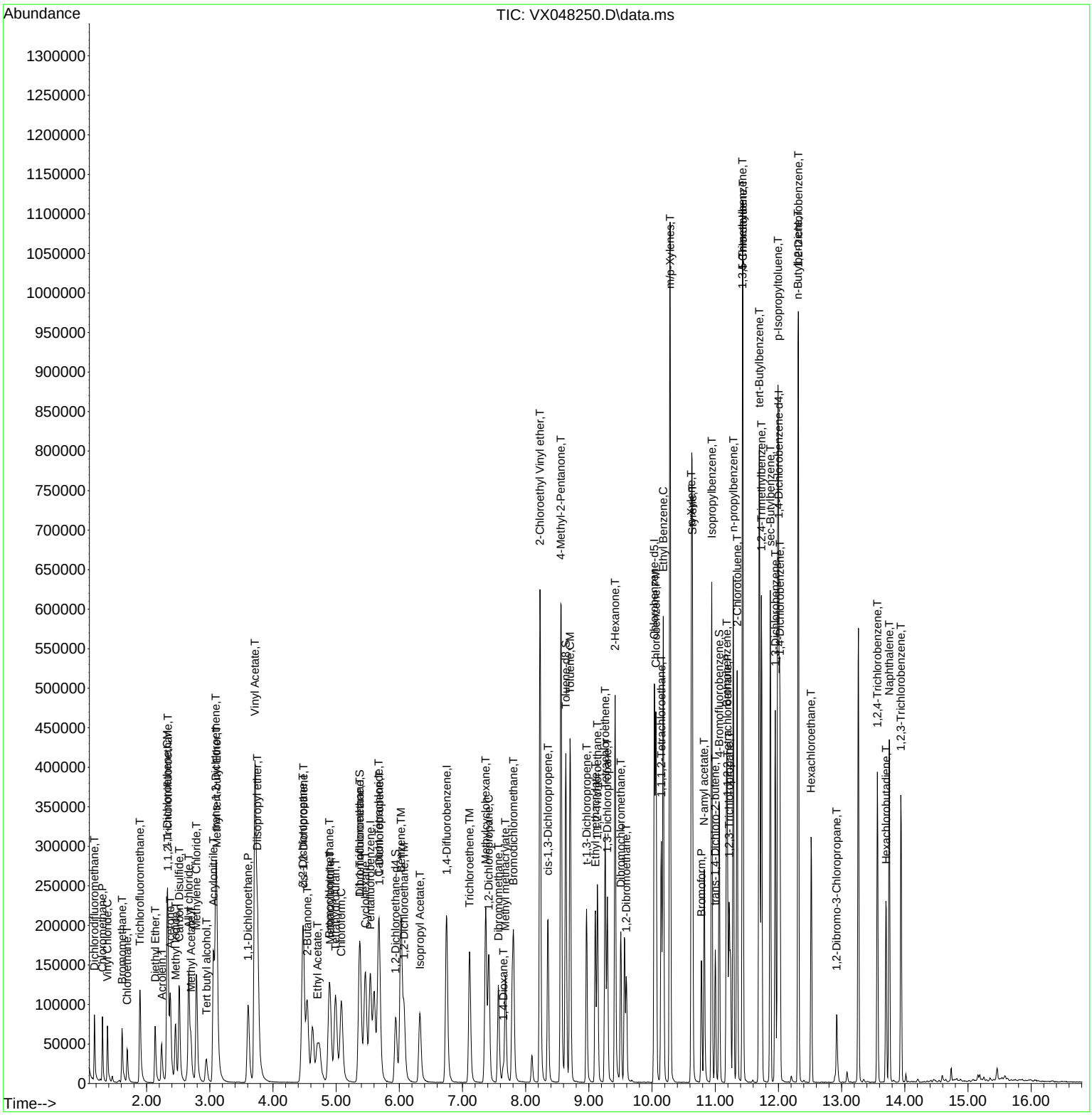
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

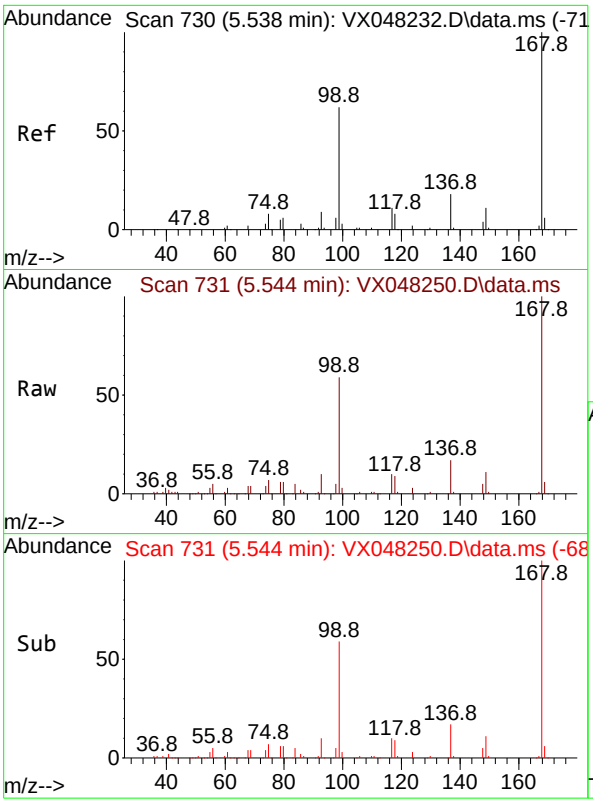
Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

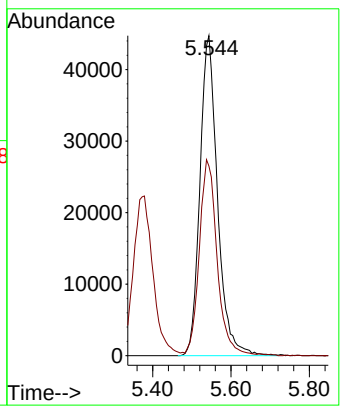





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:168 Resp: 13960

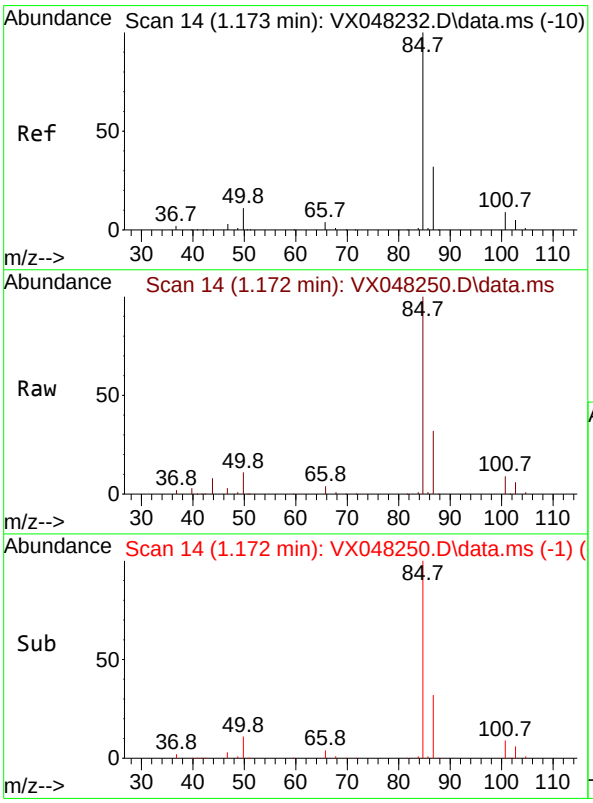
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.3 | 46.4 | 69.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

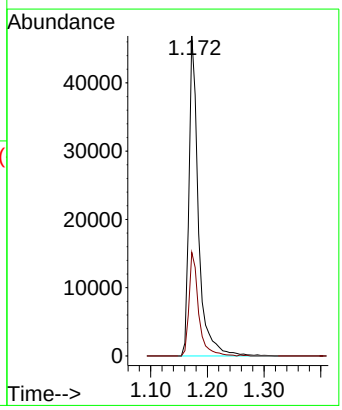
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

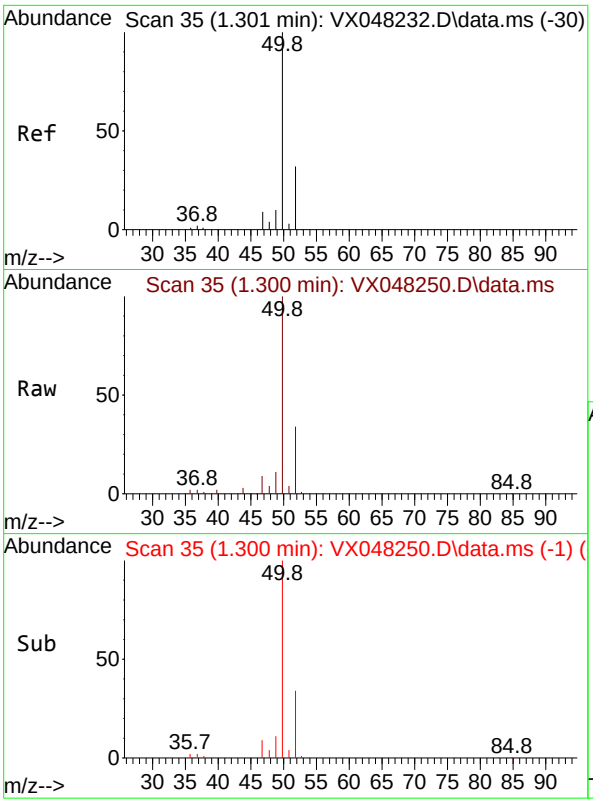



#2
Dichlorodifluoromethane
Concen: 37.949 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 85 Resp: 54463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 15.3 | 45.9 |

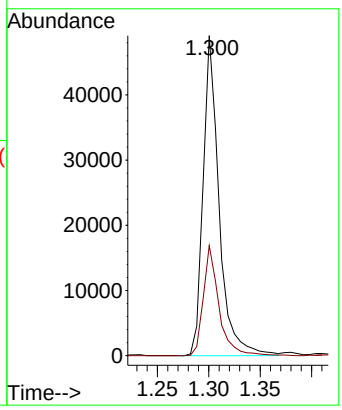





#3
Chloromethane
Concen: 39.799 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 50 Resp: 5331

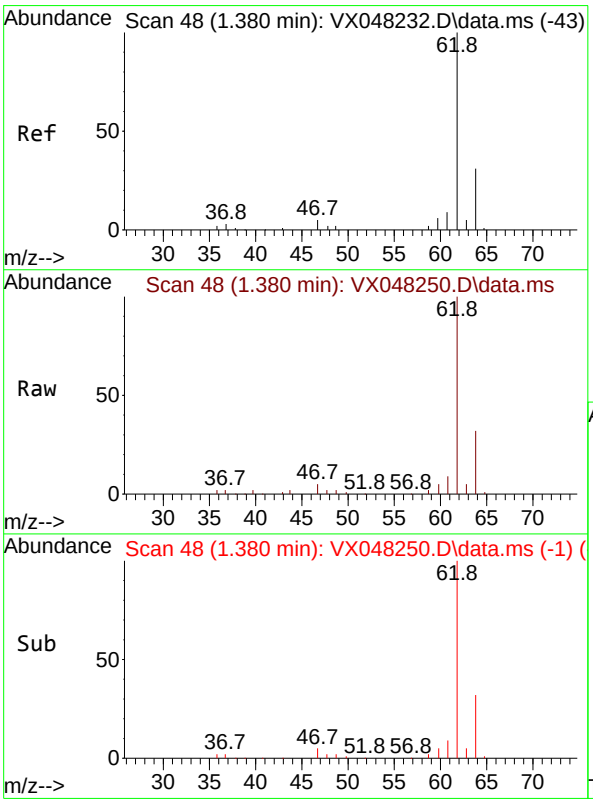
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.4 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

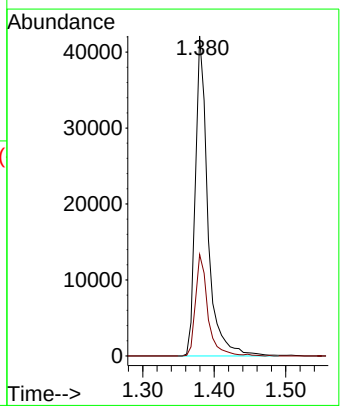
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

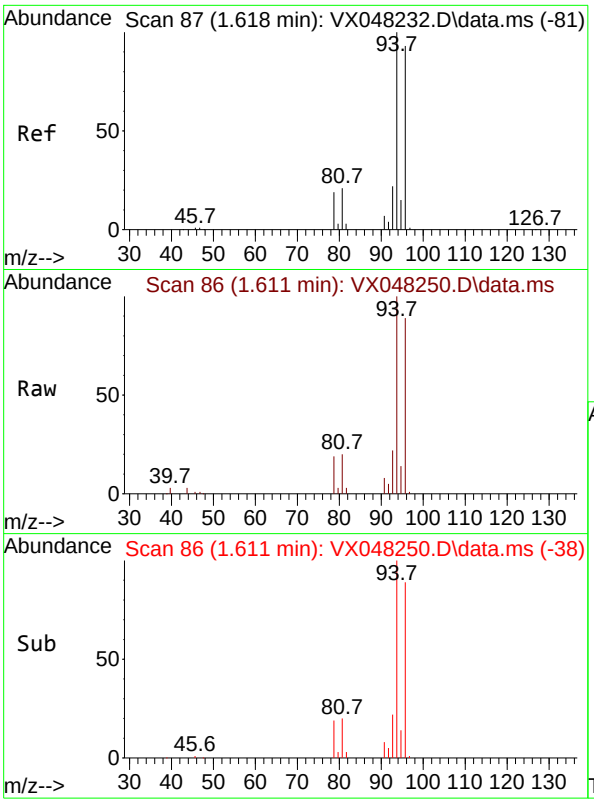



#4
Vinyl Chloride
Concen: 41.136 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 62 Resp: 51029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 25.1 | 37.7 |

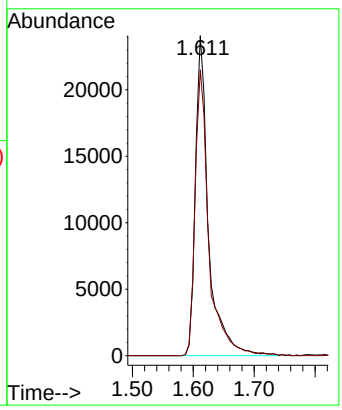





#5
Bromomethane
Concen: 42.601 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 94 Resp: 3586

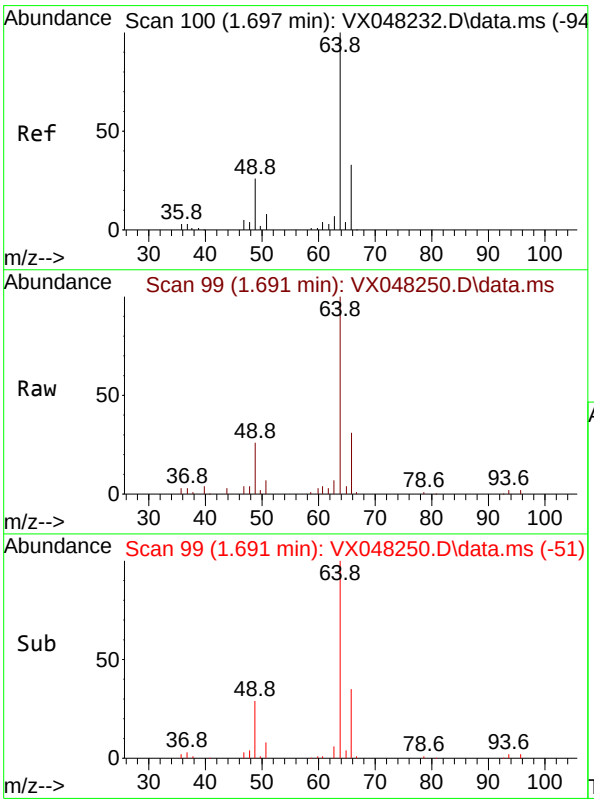
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 89.3 | 76.0 | 114.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

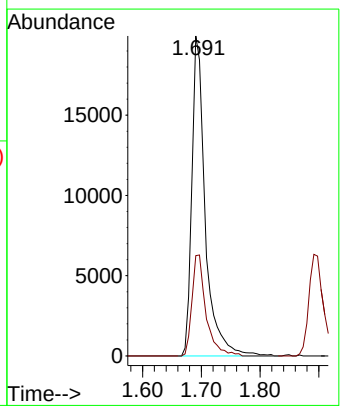
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

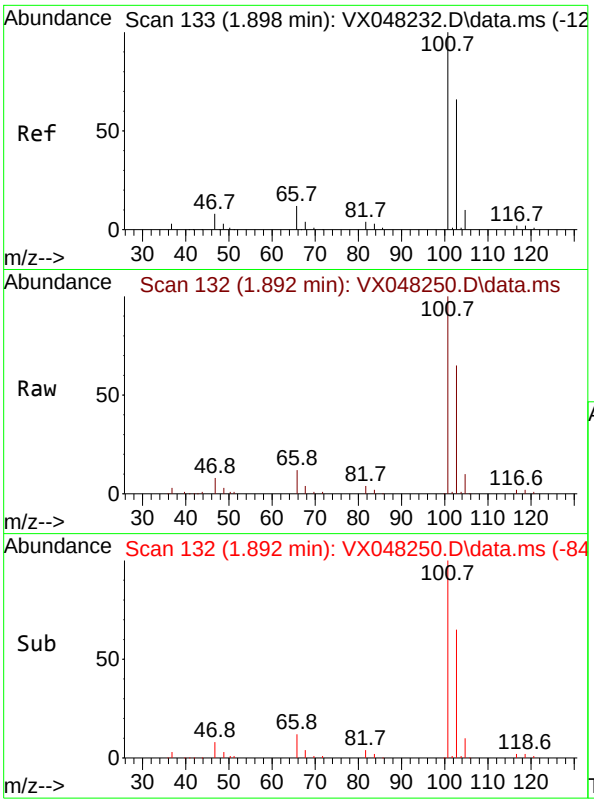



#6
Chloroethane
Concen: 43.378 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 64 Resp: 31620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.3 | 23.9 | 35.9 |

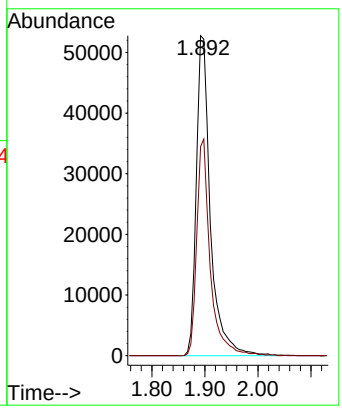





#7
Trichlorofluoromethane
Concen: 40.982 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:101 Resp: 9750

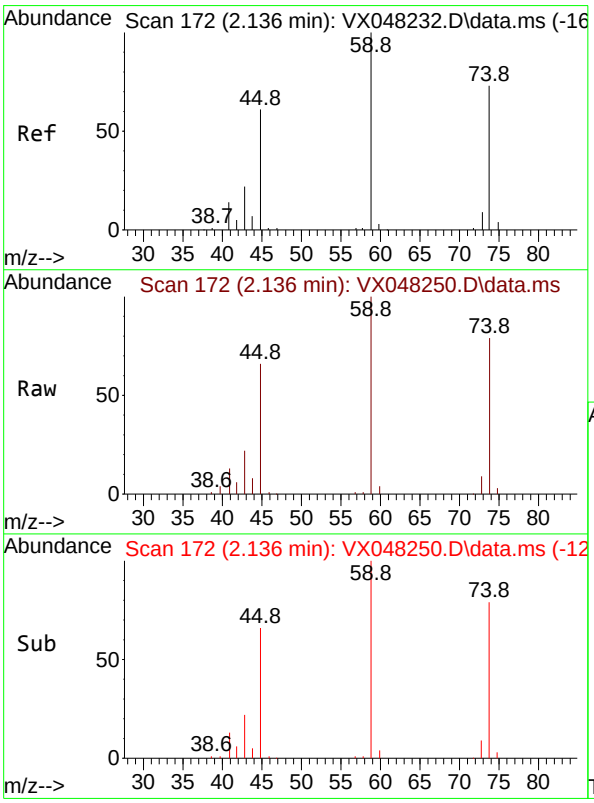
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.3 | 51.6 | 77.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

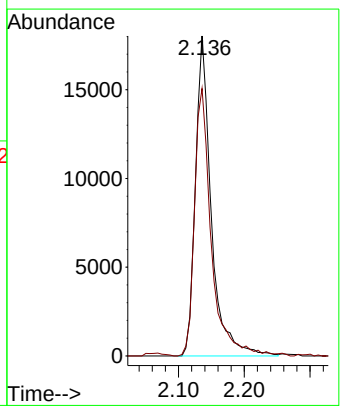
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

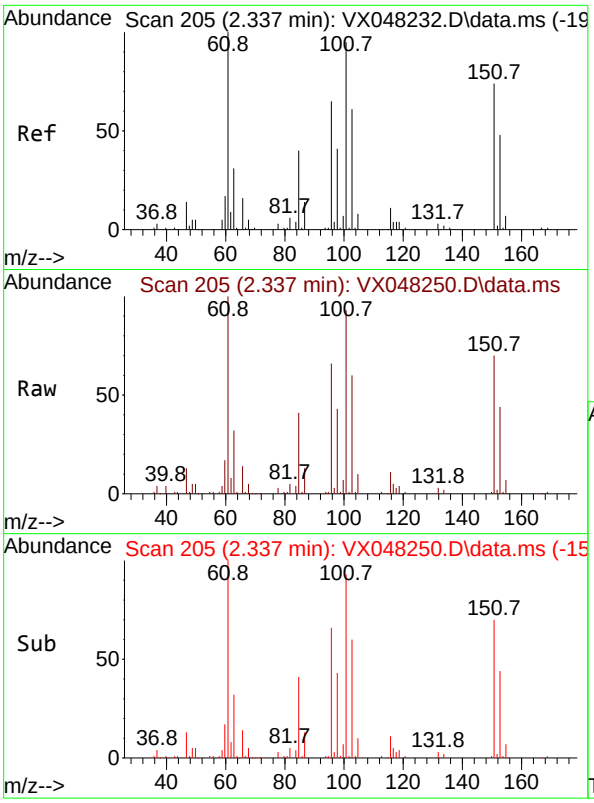



#8
Diethyl Ether
Concen: 44.968 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 74 Resp: 30102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 88.4 | 50.0 | 149.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 40.443 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

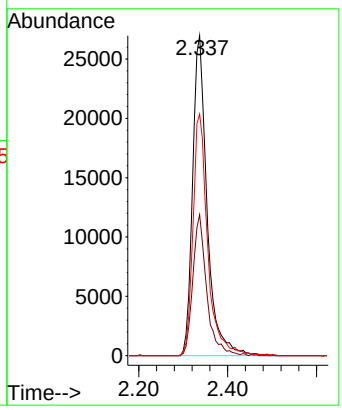
Tgt Ion:101 Resp: 6092

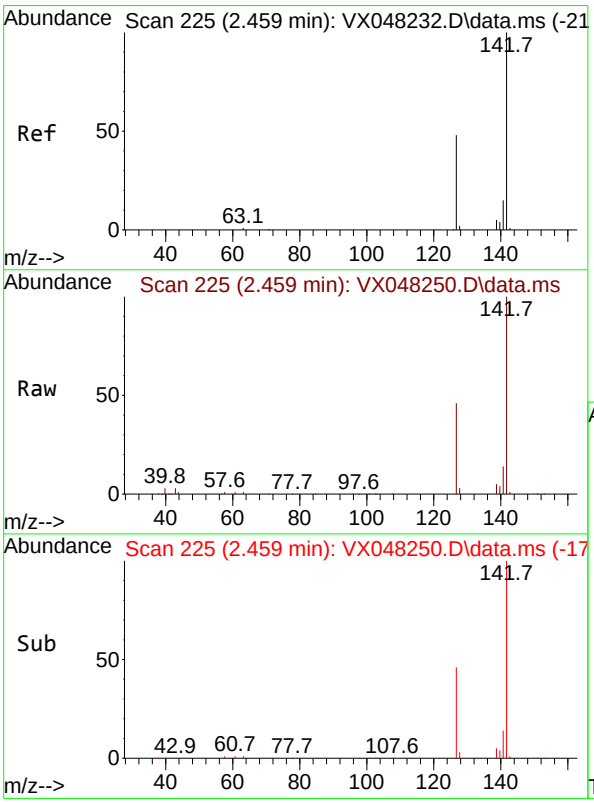
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.4 | 35.6 | 53.4 |
| 151 | 77.2 | 58.0 | 87.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

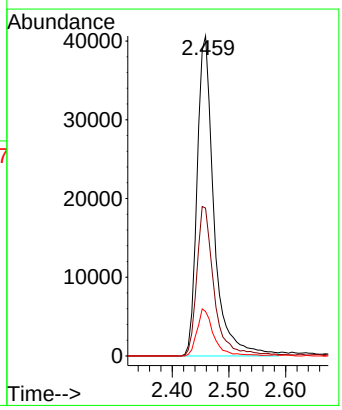


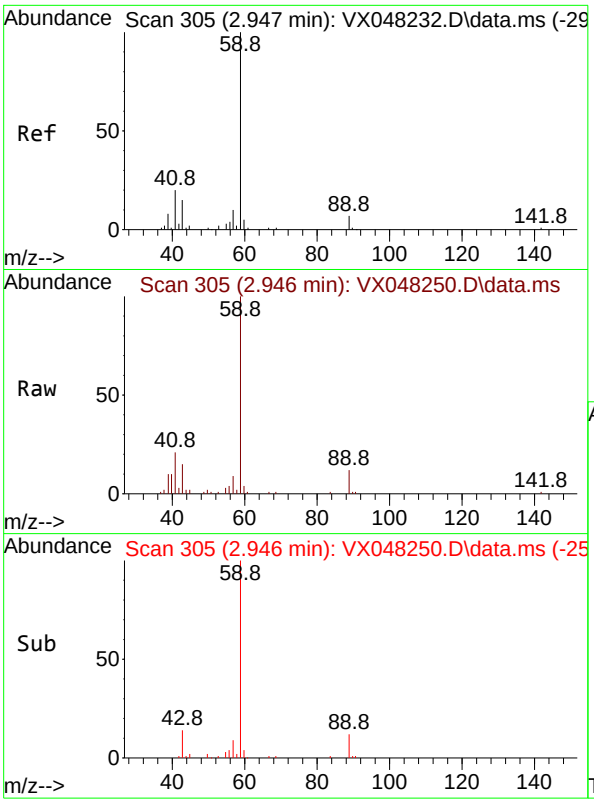




#10
Methyl Iodide
Concen: 44.441 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:142 Resp: 84168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.3 | 38.5 | 57.7 |
| 141 | 14.5 | 11.6 | 17.4 |






#11
Tert butyl alcohol
Concen: 195.385 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

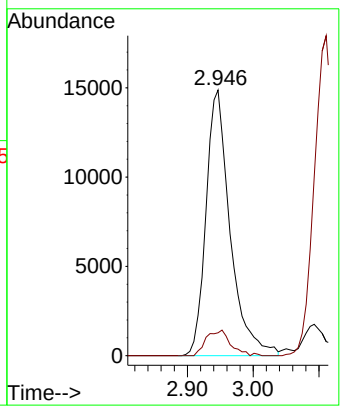
Tgt Ion: 59 Resp: 3797

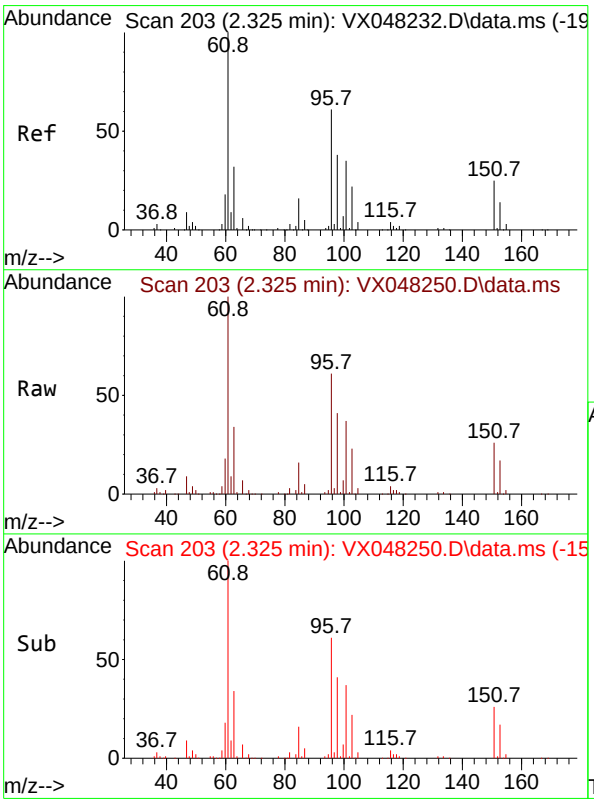
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.7 | 8.2 | 12.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

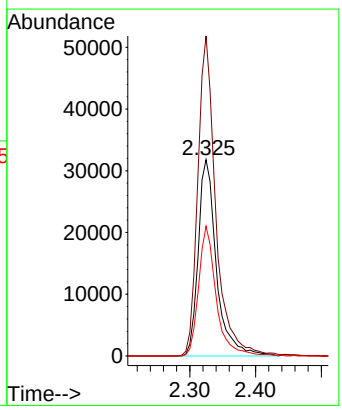


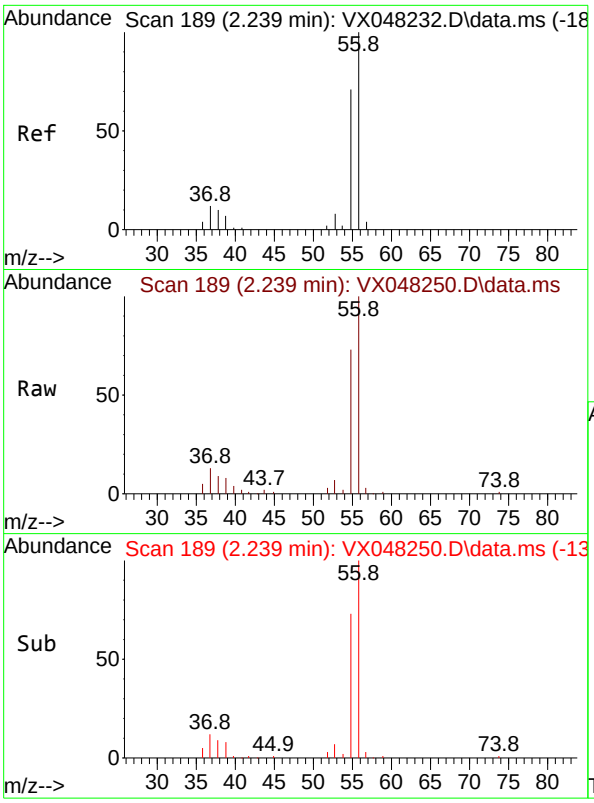




#12
1,1-Dichloroethene
Concen: 41.727 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 96 Resp: 61159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.0 | 139.0 | 208.6 |
| 98 | 66.1 | 52.4 | 78.6 |

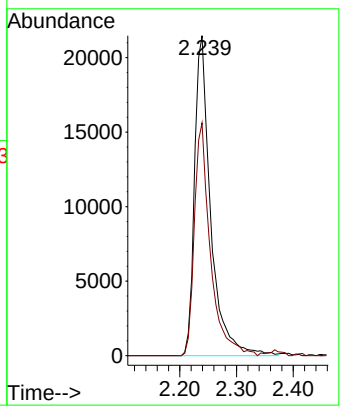





#13
Acrolein
Concen: 214.491 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 56 Resp: 4251

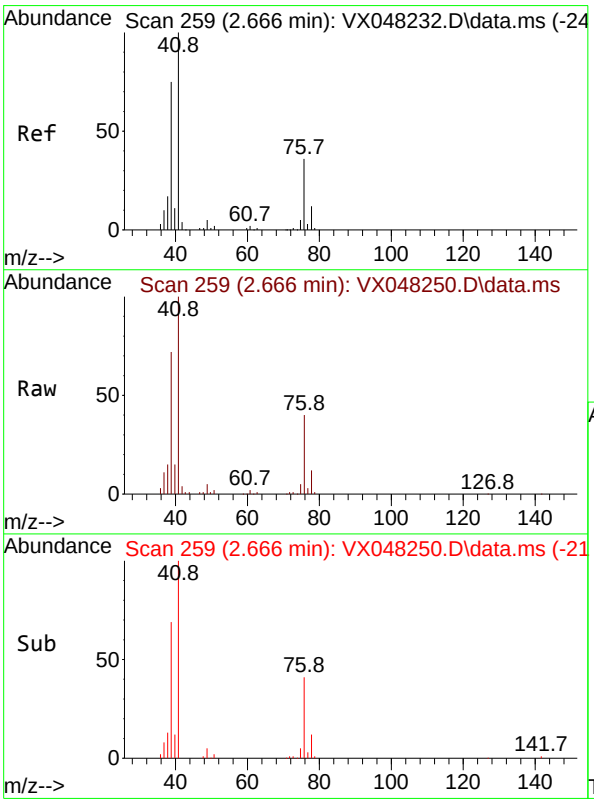
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.9 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

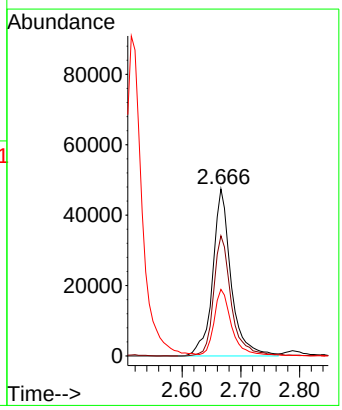
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

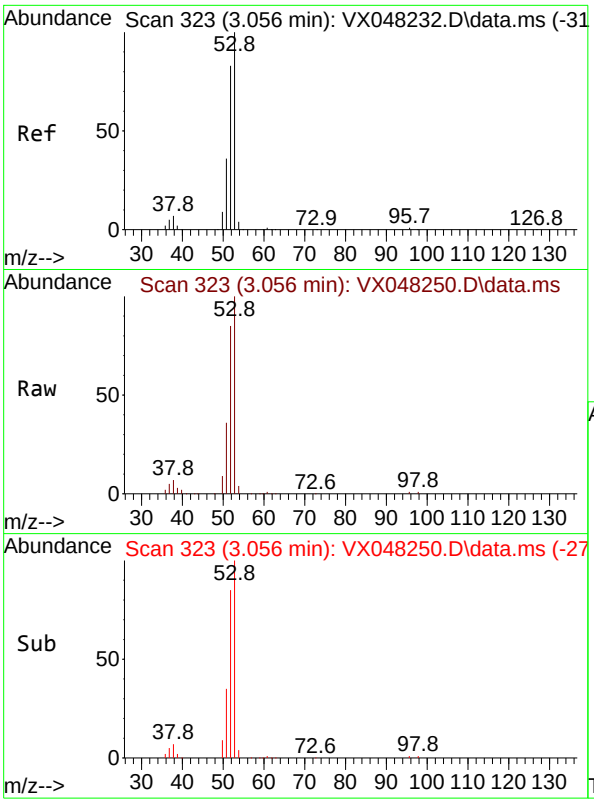



#14
Allyl chloride
Concen: 42.467 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 41 Resp: 103340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 69.3 | 56.0 | 84.0 |
| 76 | 38.5 | 27.5 | 41.3 |

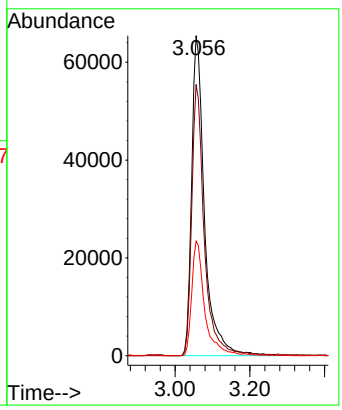





#15
Acrylonitrile
Concen: 223.753 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 53 Resp: 15680

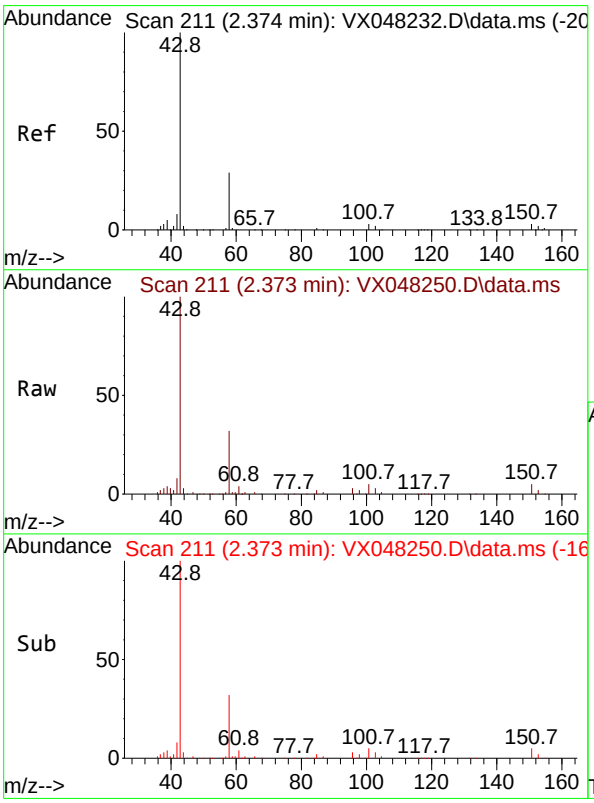
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.5 | 66.1 | 99.1 |
| 51 | 35.7 | 29.0 | 43.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

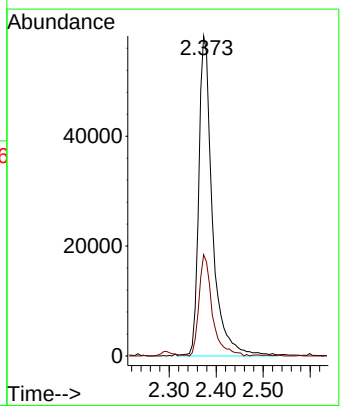
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

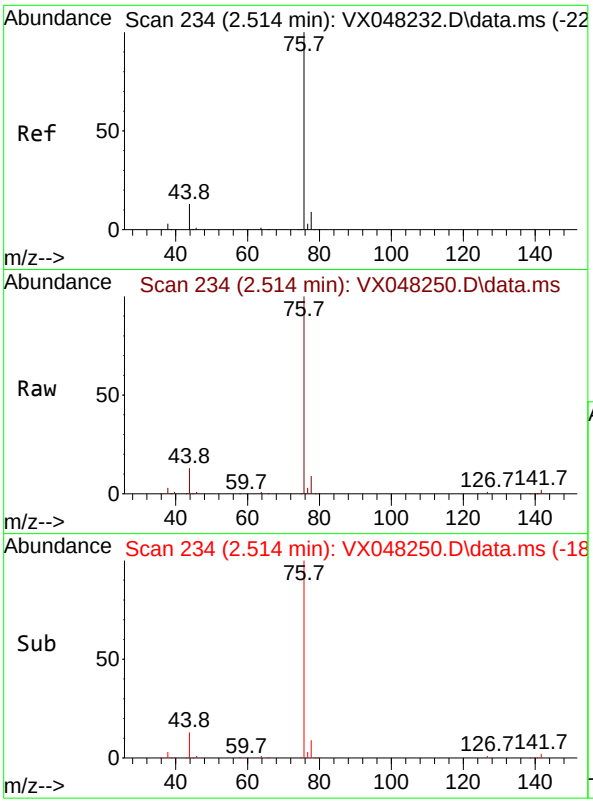



#16
Acetone
Concen: 175.130 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 43 Resp: 117599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.5 | 23.4 | 35.2 |

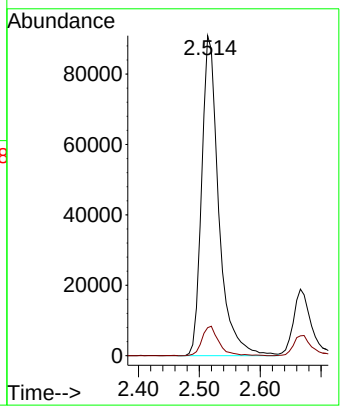





#17
Carbon Disulfide
Concen: 38.329 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 76 Resp: 17705

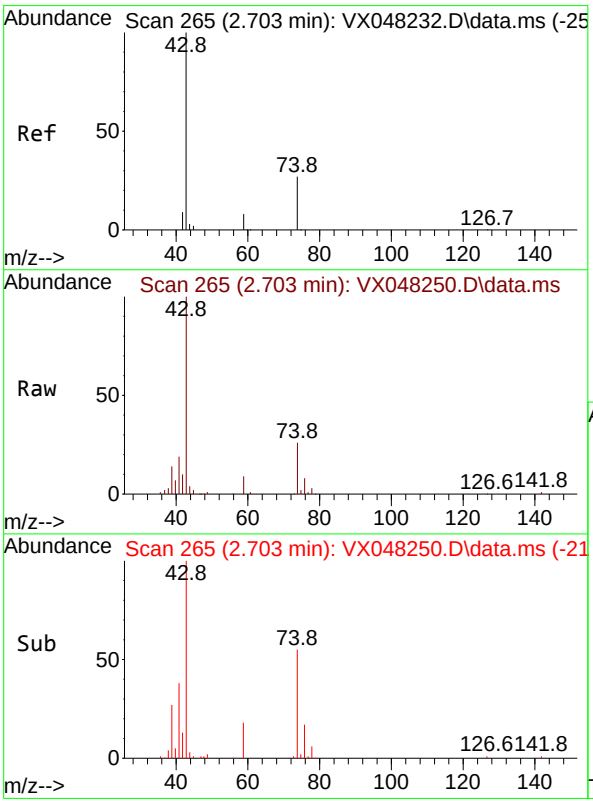
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.1 | 10.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

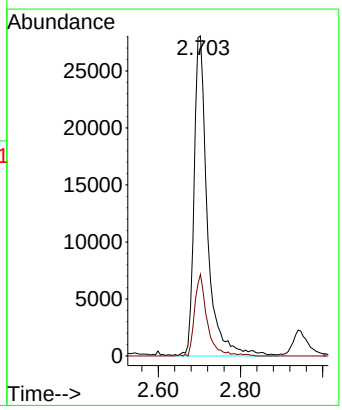
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

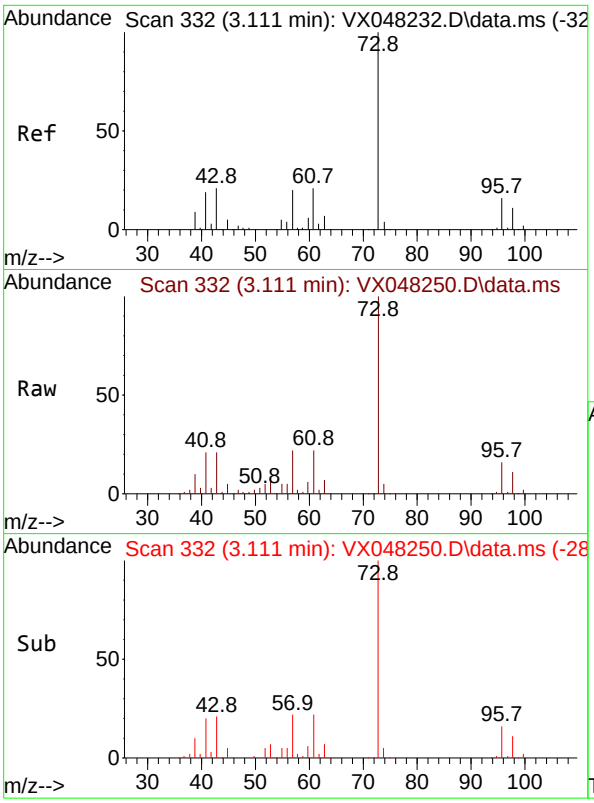



#18
Methyl Acetate
Concen: 45.112 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 43 Resp: 63263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.6 | 17.5 | 26.3 |






#19
Methyl tert-butyl Ether
Concen: 44.595 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

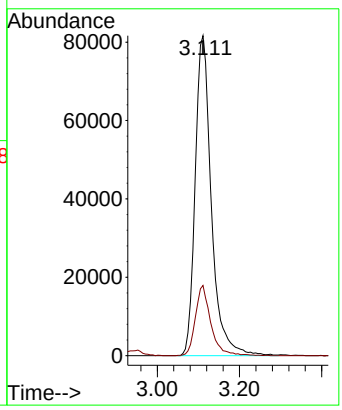
Tgt Ion: 73 Resp: 22298

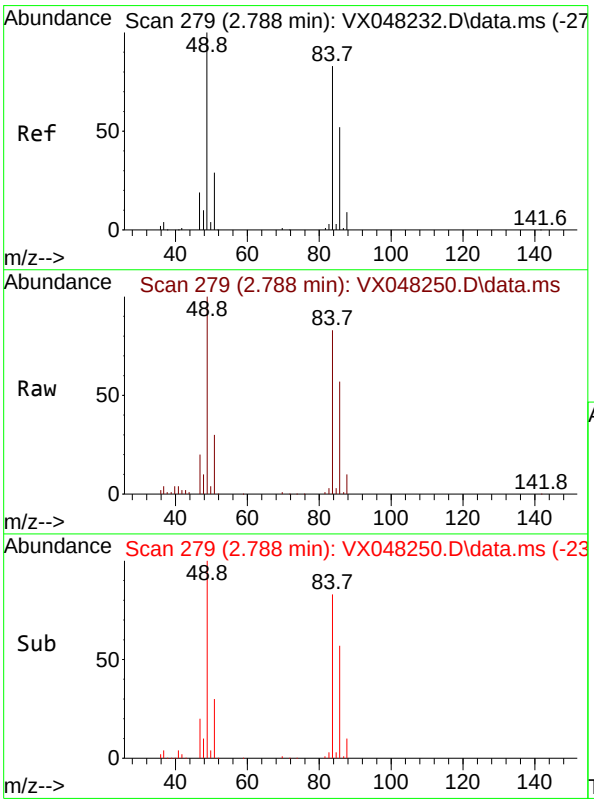
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.9 | 17.7 | 26.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

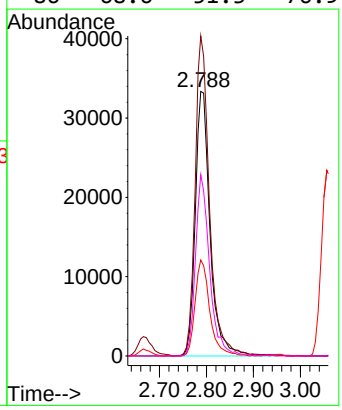


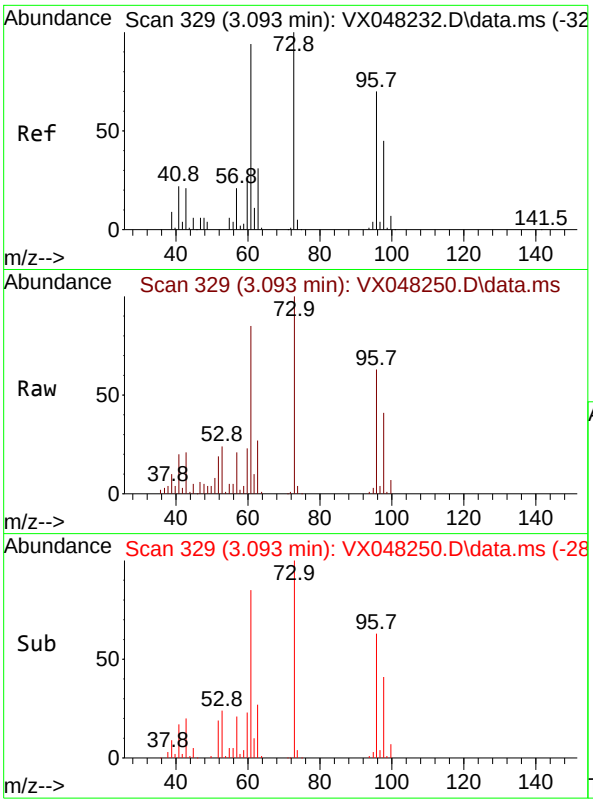




#20
Methylene Chloride
Concen: 44.720 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 84 Resp: 73170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.8 | 104.1 | 156.1 |
| 51 | 36.3 | 31.3 | 46.9 |
| 86 | 68.6 | 51.3 | 76.9 |

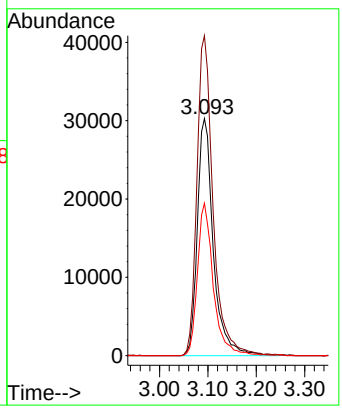





#21
trans-1,2-Dichloroethene
Concen: 43.228 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 96 Resp: 6959

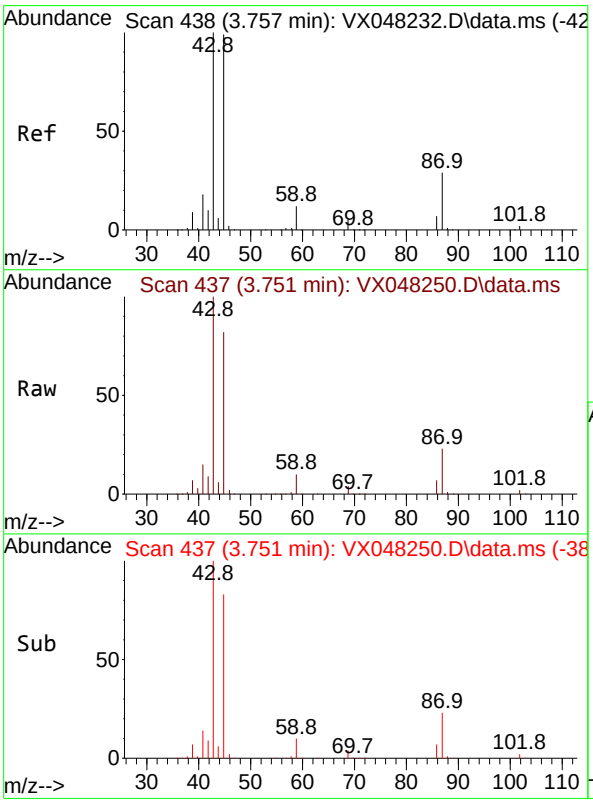
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.9 | 111.9 | 167.9 |
| 98 | 66.2 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

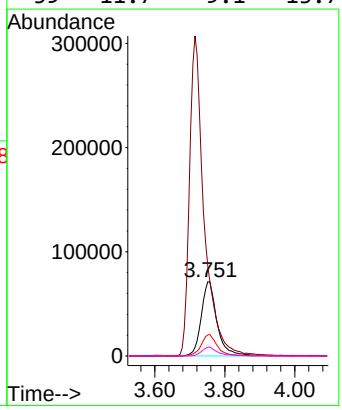
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

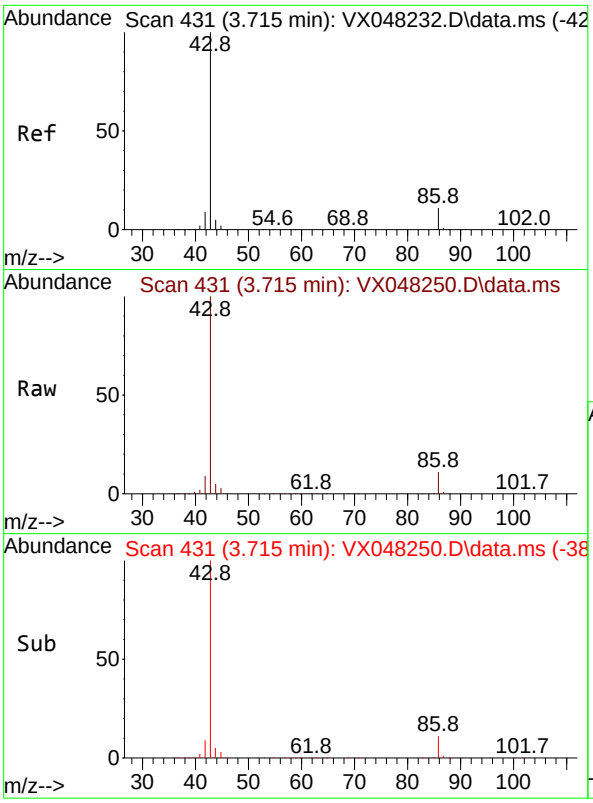



#22
Diisopropyl ether
Concen: 45.952 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 45 Resp: 223032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 120.6 | 89.8 | 134.8 |
| 87 | 28.4 | 20.6 | 31.0 |
| 59 | 11.7 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 231.296 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

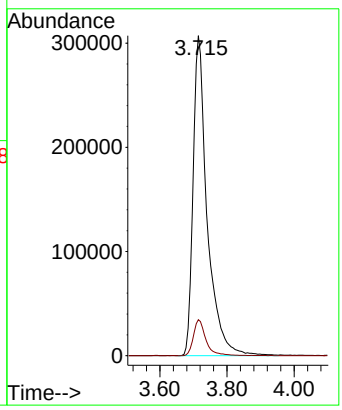
Tgt Ion: 43 Resp: 89674

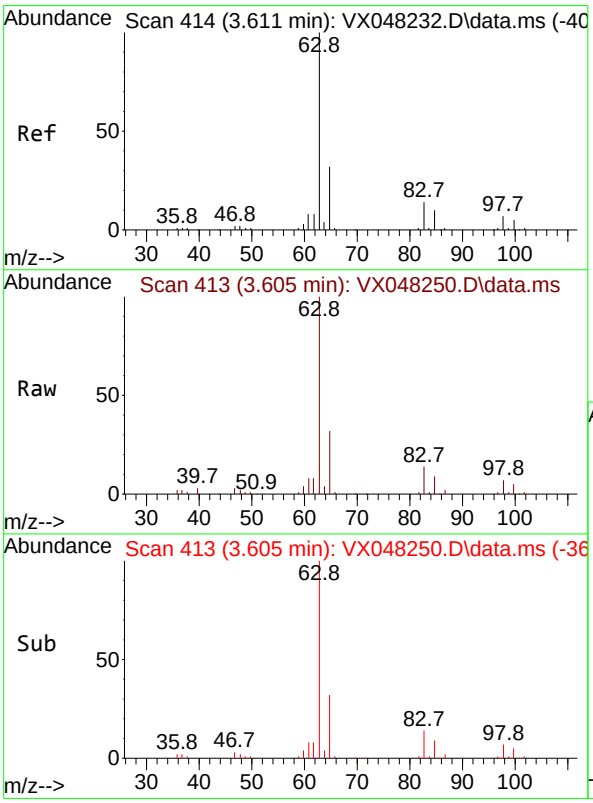
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.3 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

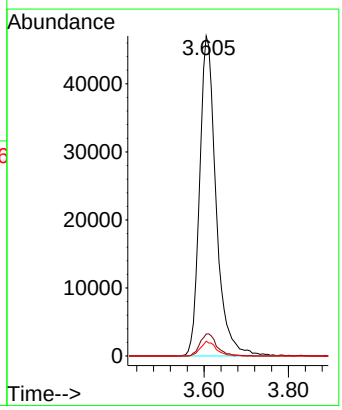


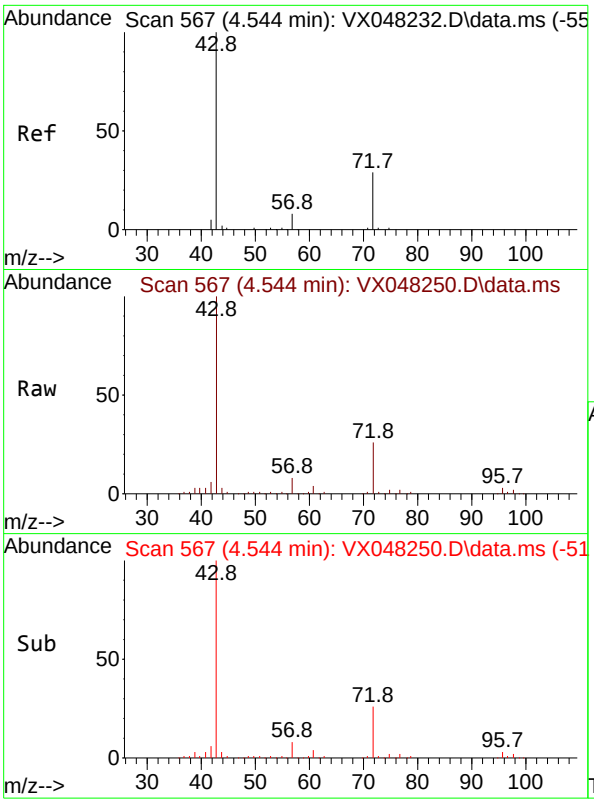




#24
1,1-Dichloroethane
Concen: 43.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 63 Resp: 127890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.5 | 10.6 |
| 100 | 4.6 | 2.1 | 6.3 |

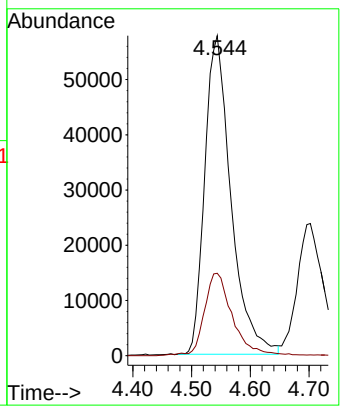





#25
2-Butanone
Concen: 210.709 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 43 Resp: 17909

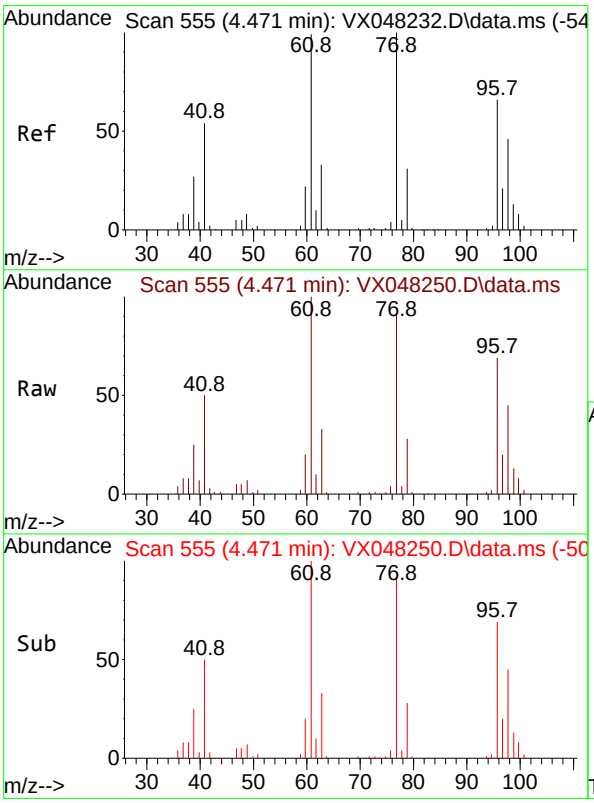
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.3 | 19.9 | 29.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

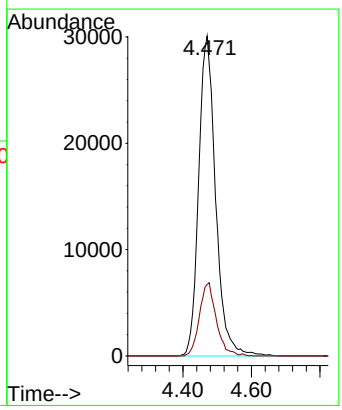
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

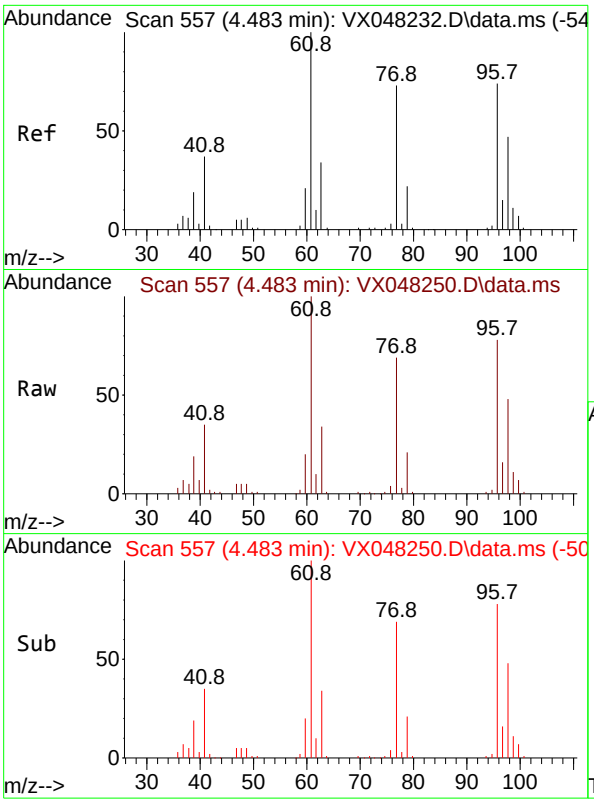



#26
2,2-Dichloropropane
Concen: 39.096 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 77 Resp: 103563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.6 | 11.1 | 33.3 |

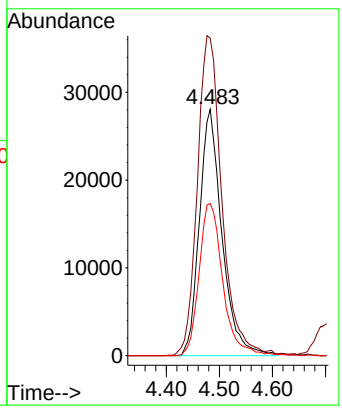





#27
cis-1,2-Dichloroethene
Concen: 44.159 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 96 Resp: 8297

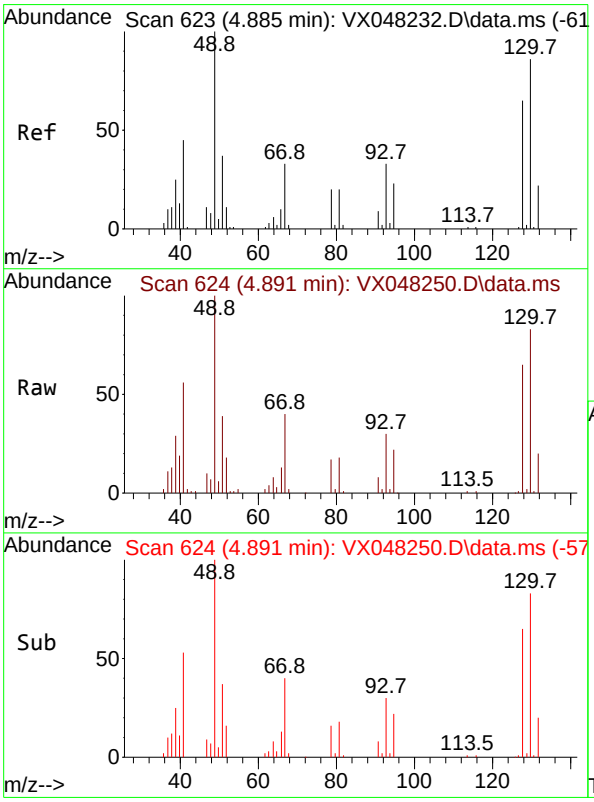
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.6 | 0.0 | 294.2 |
| 98 | 65.0 | 0.0 | 128.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

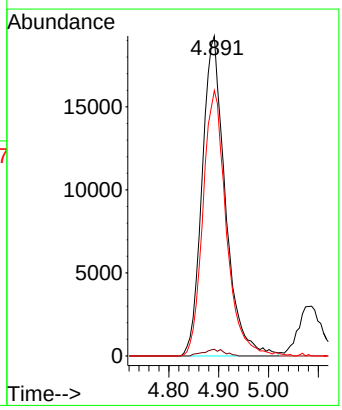
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

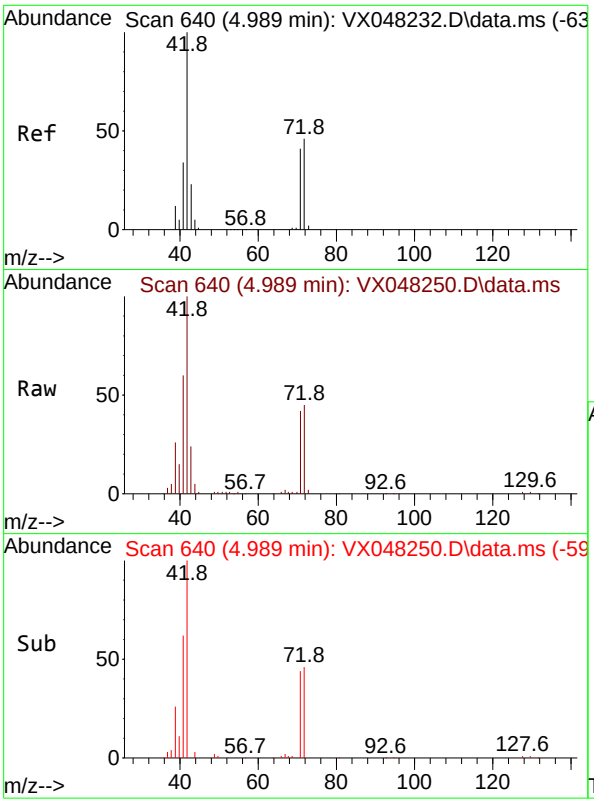



#28
Bromochloromethane
Concen: 51.151 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 49 Resp: 62244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 4.4 |
| 130 | 83.0 | 59.3 | 88.9 |






#29
Tetrahydrofuran
Concen: 224.351 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

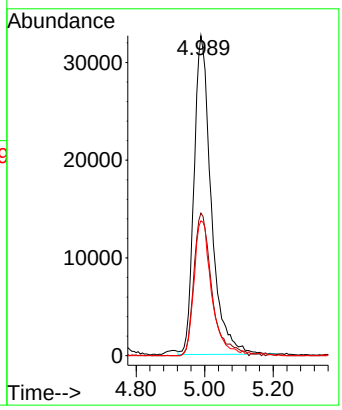
Tgt Ion: 42 Resp: 11420

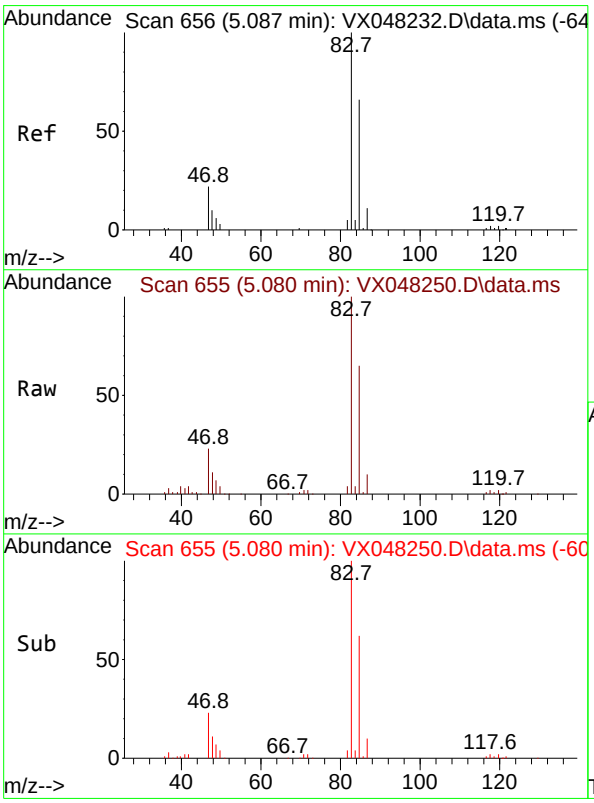
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.7 | 35.3 | 52.9 |
| 71 | 43.5 | 32.2 | 48.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

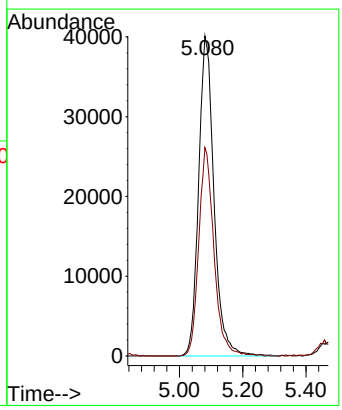


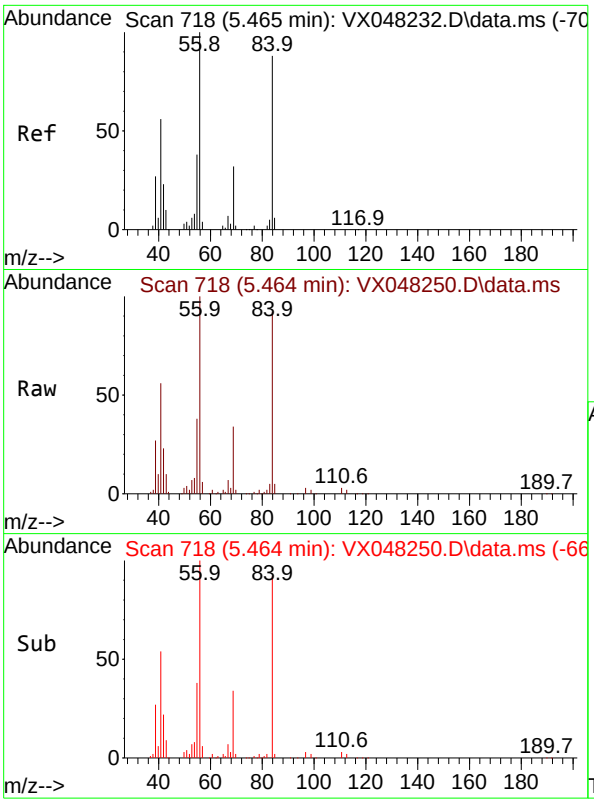




#30
Chloroform
Concen: 43.198 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 83 Resp: 135447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 50.1 | 75.1 |

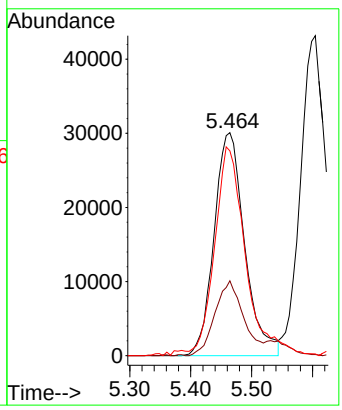





#31
Cyclohexane
Concen: 43.114 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 56 Resp: 10475

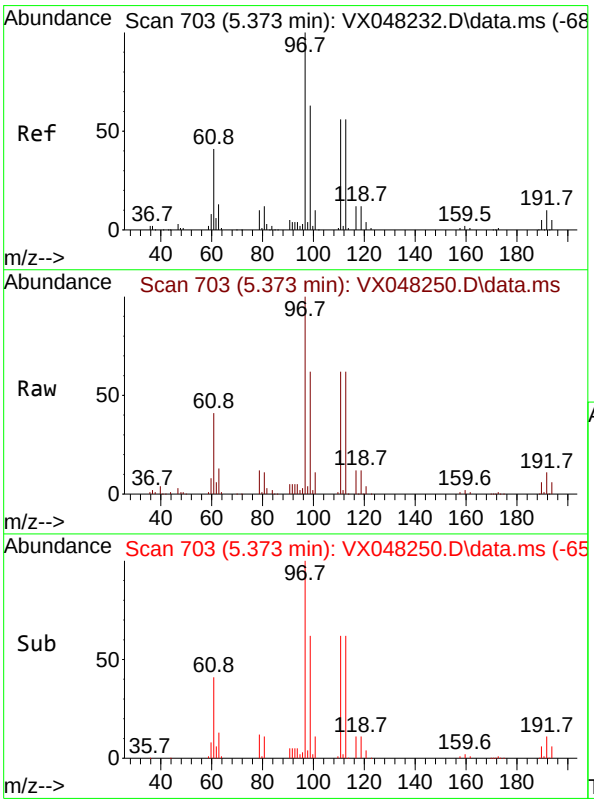
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.1 | 23.0 | 34.6 |
| 84 | 89.5 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

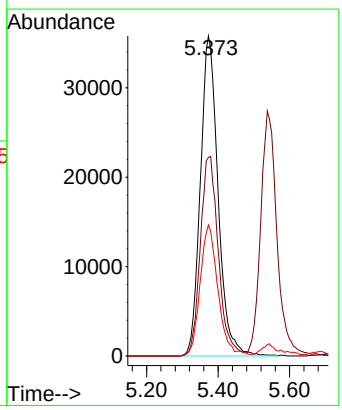
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

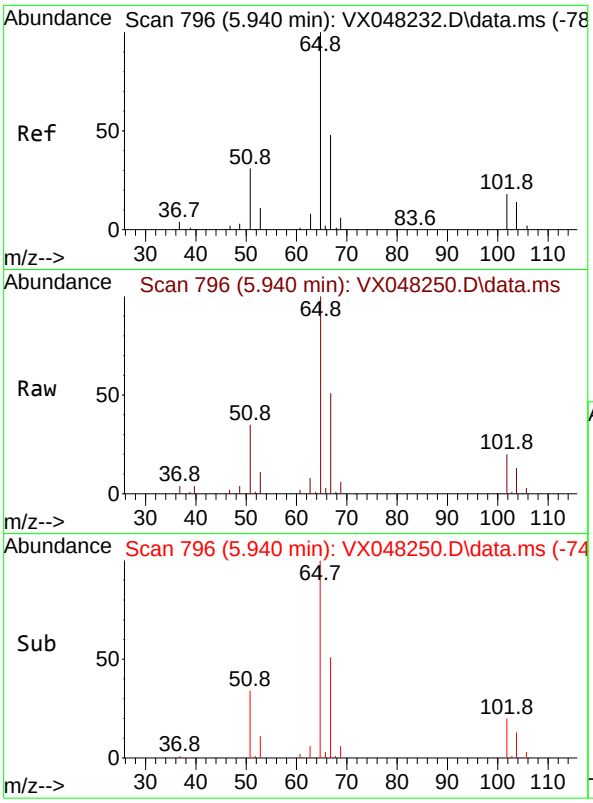



#32
1,1,1-Trichloroethane
Concen: 42.592 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 97 Resp: 123078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 51.7 | 77.5 |
| 61 | 41.2 | 34.8 | 52.2 |

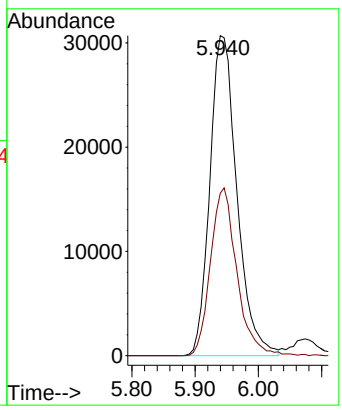





#33
1,2-Dichloroethane-d4
Concen: 46.542 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 65 Resp: 9110

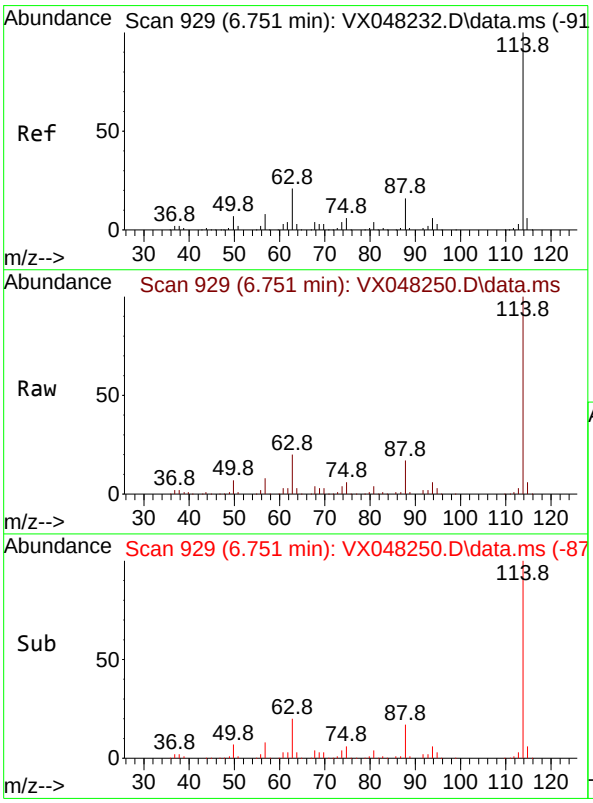
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.0 | 0.0 | 105.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

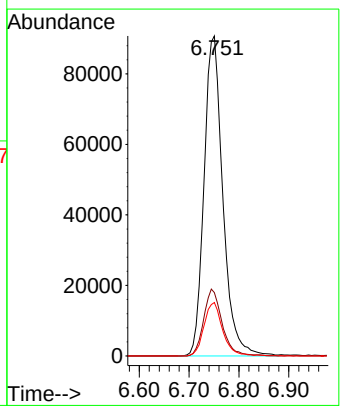
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

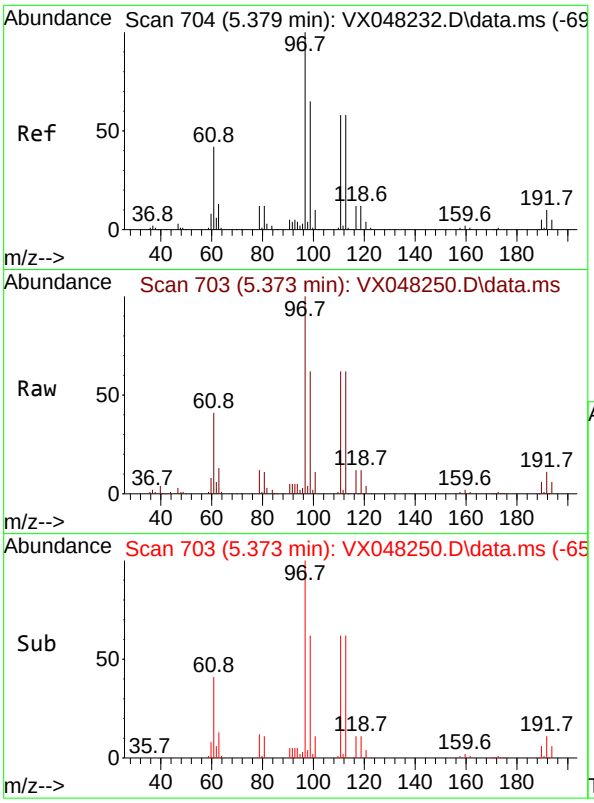



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:114 Resp: 238004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.8 | 0.0 | 43.2 |
| 88 | 16.7 | 0.0 | 33.6 |

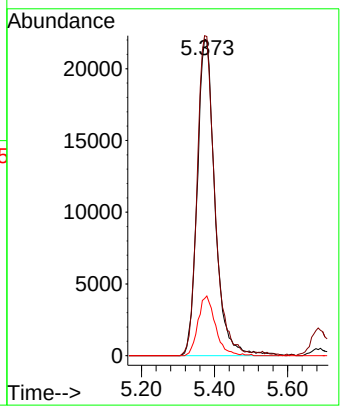





#35
Dibromofluoromethane
Concen: 45.636 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:113 Resp: 7415

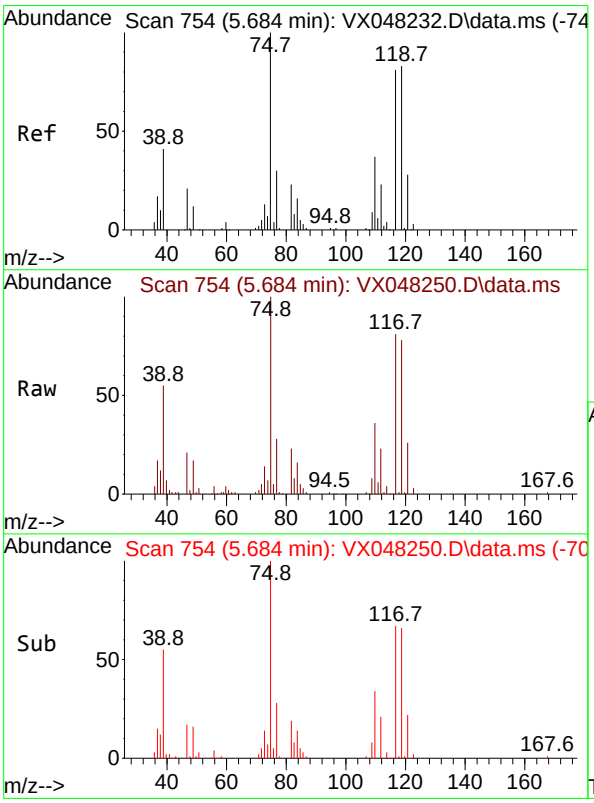
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.9 | 82.2 | 123.4 |
| 192 | 18.5 | 15.1 | 22.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

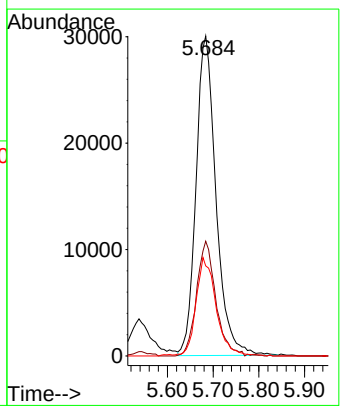
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

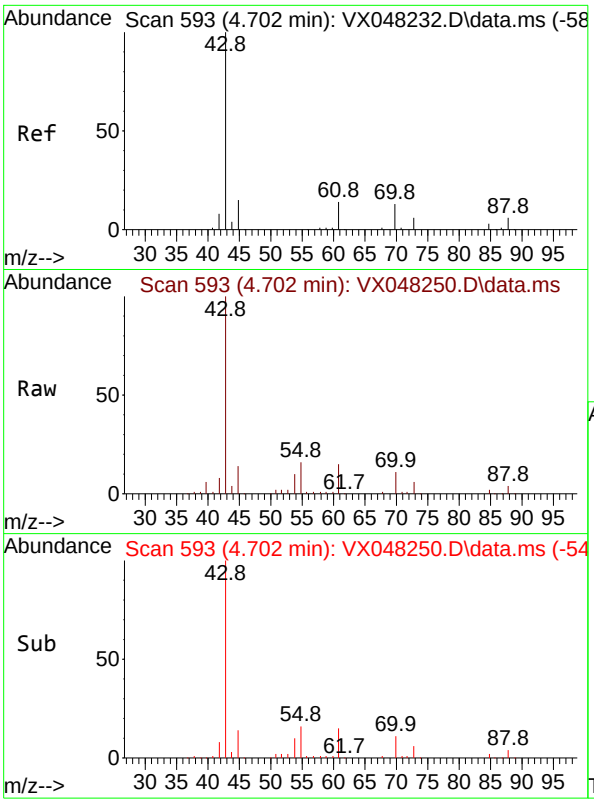



#36
1,1-Dichloropropene
Concen: 39.469 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 75 Resp: 91151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 17.7 | 53.1 |
| 77 | 29.9 | 24.3 | 36.5 |

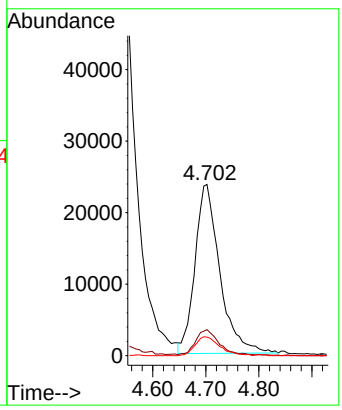





#37
Ethyl Acetate
Concen: 40.173 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 43 Resp: 7690

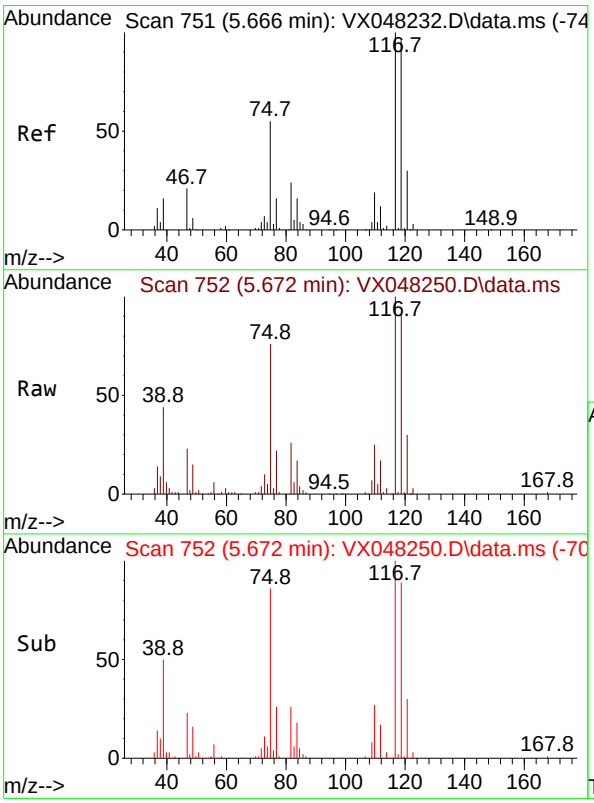
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 15.2 | 10.6 | 15.8 |
| 70 | 11.1 | 7.8 | 11.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

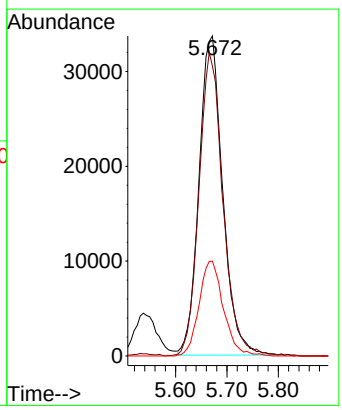
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

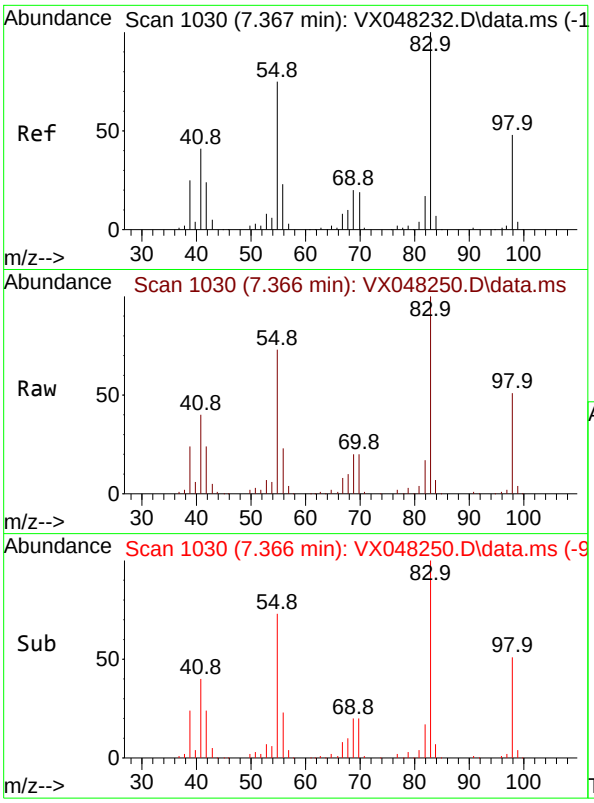



#38
Carbon Tetrachloride
Concen: 37.895 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:117 Resp: 107972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.5 | 77.2 | 115.8 |
| 121 | 29.8 | 24.8 | 37.2 |

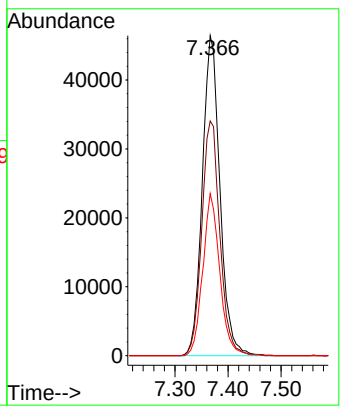





#39
Methylcyclohexane
Concen: 39.300 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 83 Resp: 10718

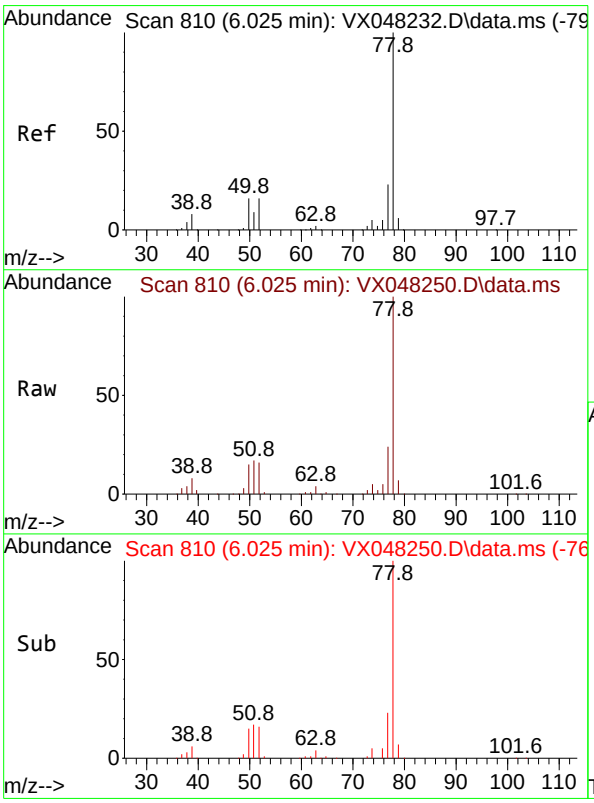
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 73.3 | 66.2 | 99.2 |
| 98 | 50.7 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

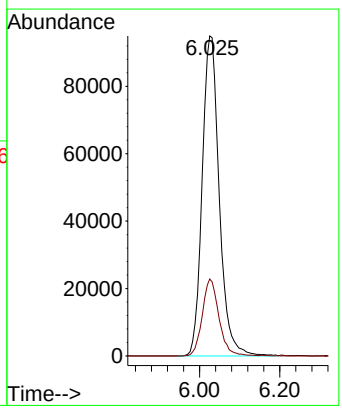
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

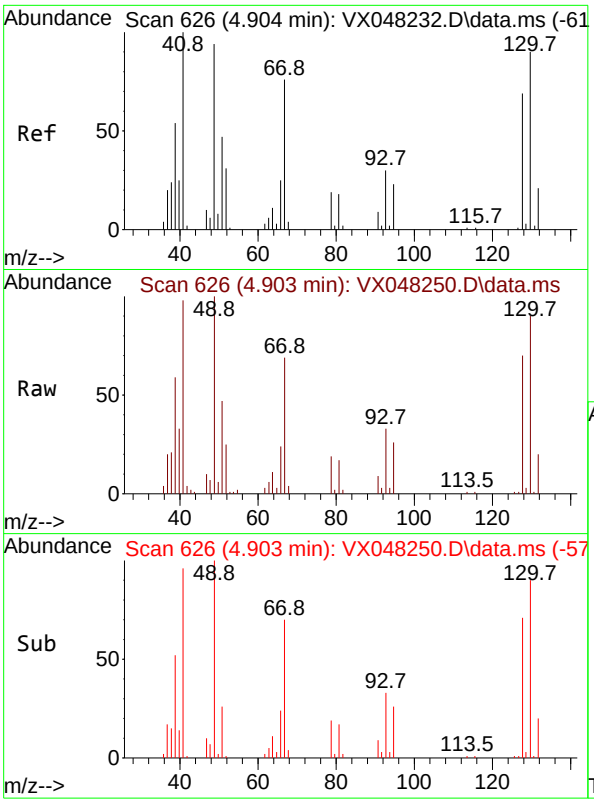



#40
Benzene
Concen: 41.821 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 78 Resp: 280412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 19.3 | 28.9 |

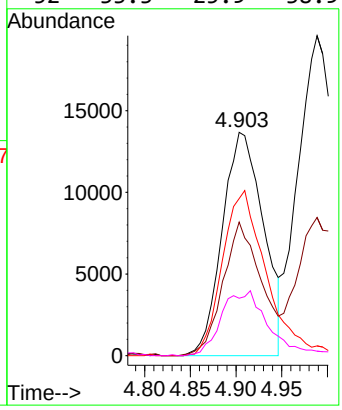





#41
Methacrylonitrile
Concen: 42.726 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

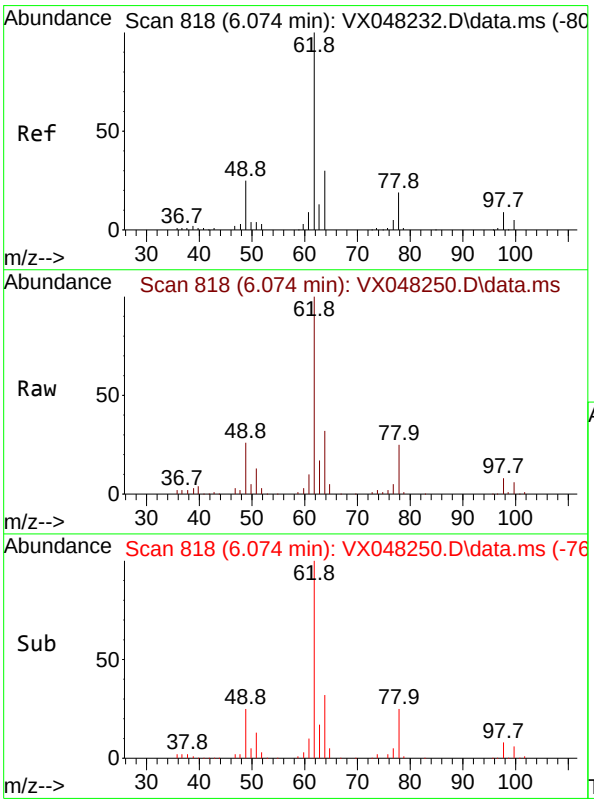
Tgt Ion: 41 Resp: 4295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.3 | 44.0 | 66.0 |
| 67 | 80.6 | 58.7 | 88.1 |
| 52 | 33.3 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

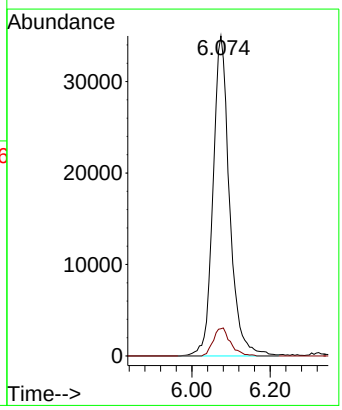
**Manual Integrations APPROVED**
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

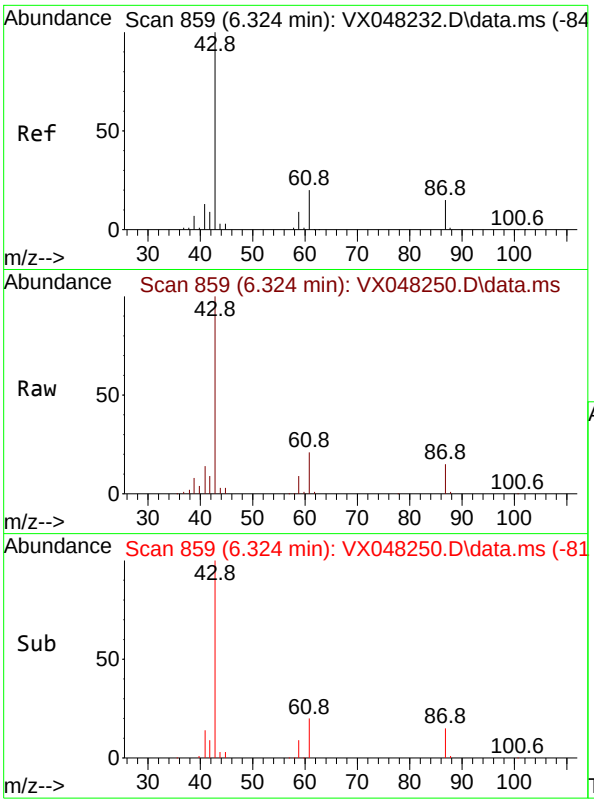



#42
1,2-Dichloroethane
Concen: 41.460 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 62 Resp: 102580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.2 |






#43
Isopropyl Acetate
Concen: 42.401 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

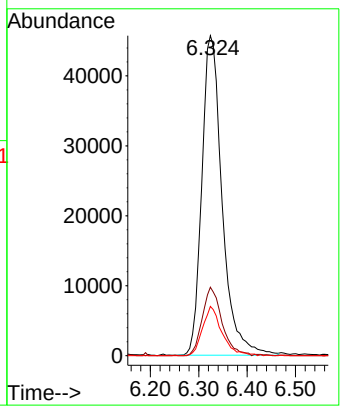
Tgt Ion: 43 Resp: 13332

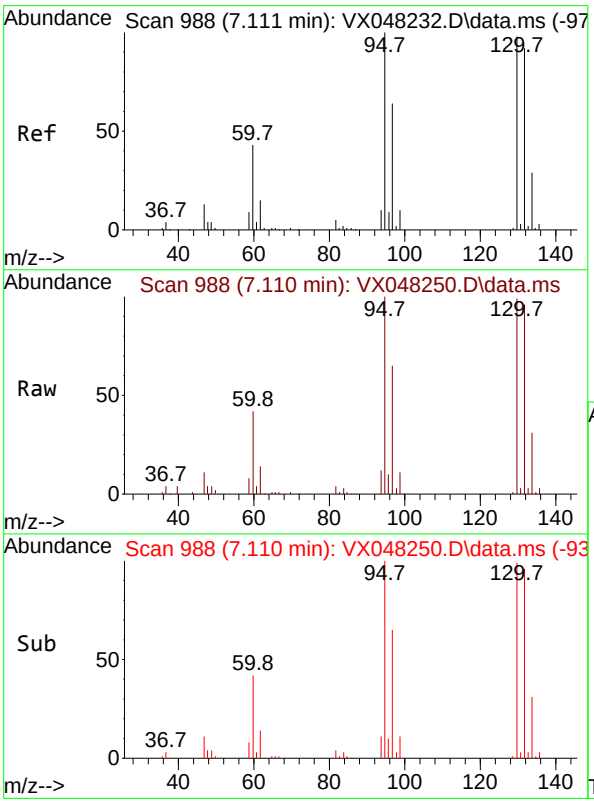
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.7 | 14.9 | 22.3 |
| 87 | 14.7 | 9.4 | 14.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

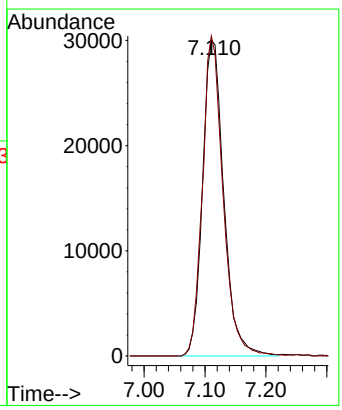


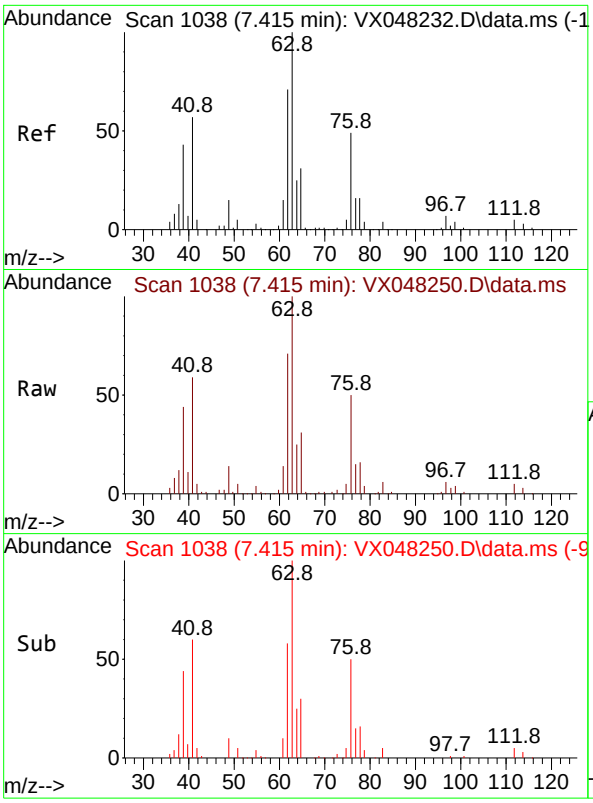




#44
Trichloroethene
Concen: 41.075 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:130 Resp: 72723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 110.9 | 0.0 | 200.6 |

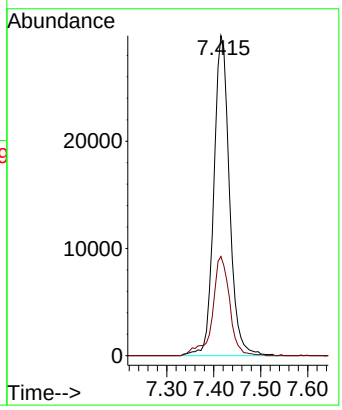





#45
1,2-Dichloropropane
Concen: 43.200 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 63 Resp: 6886

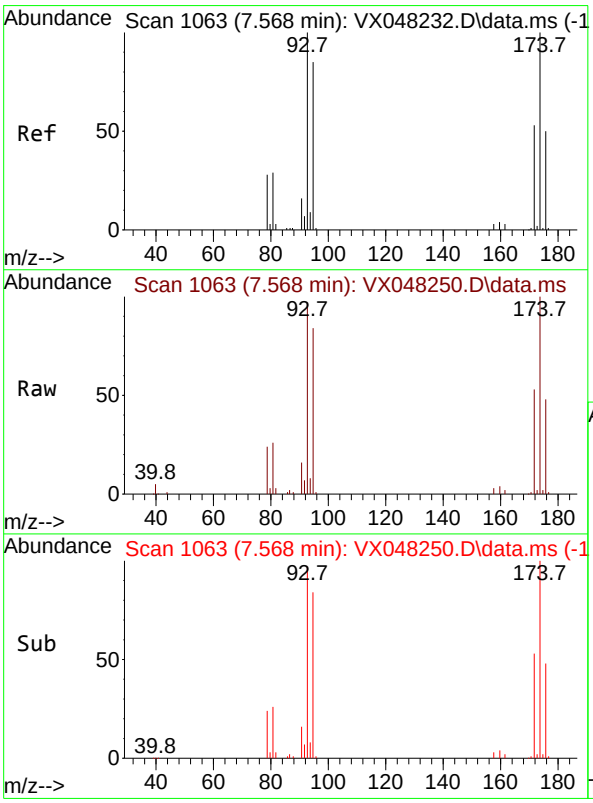
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.0 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

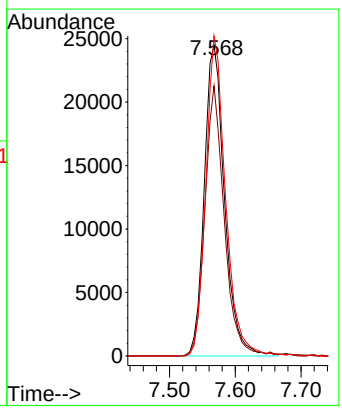
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

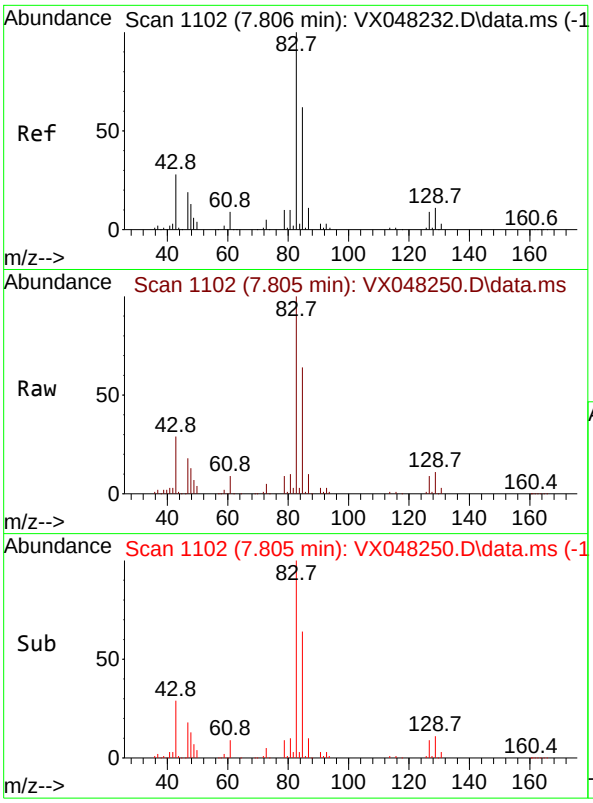



#46
Dibromomethane
Concen: 42.277 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 93 Resp: 52507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.7 | 65.9 | 98.9 |
| 174 | 100.2 | 71.7 | 107.5 |

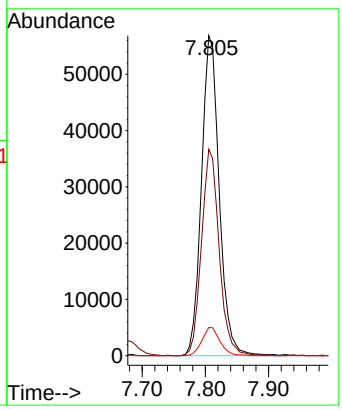





#47
Bromodichloromethane
Concen: 41.521 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 83 Resp: 11134

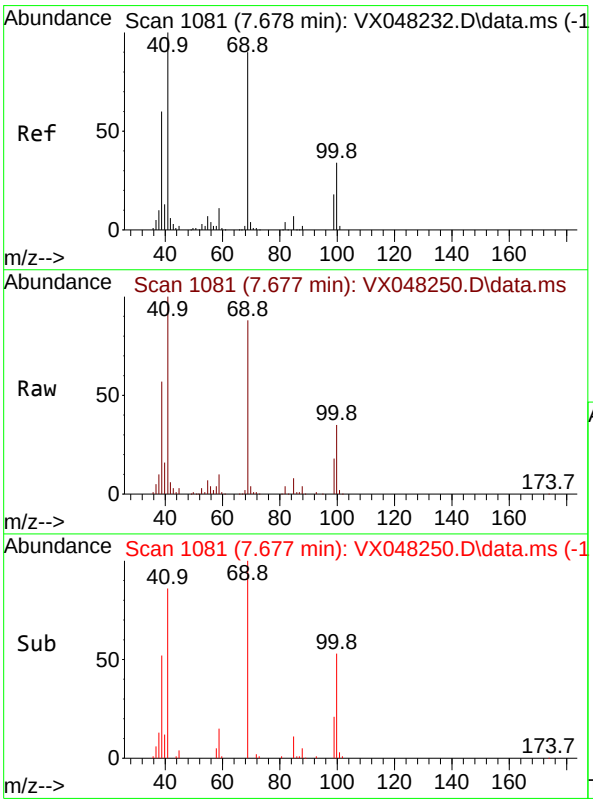
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 52.2 | 78.4 |
| 127 | 8.8 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

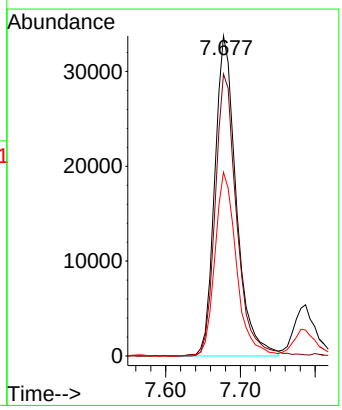
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

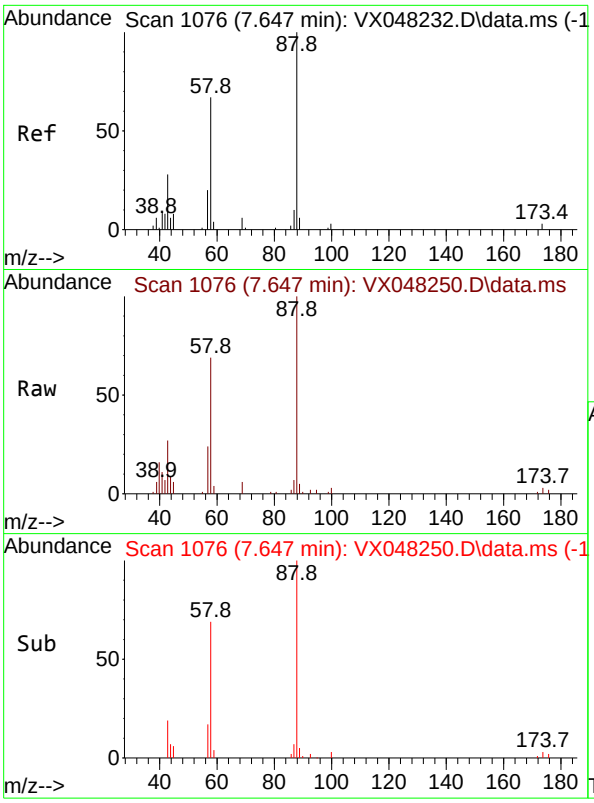



#48
Methyl methacrylate
Concen: 42.595 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 41 Resp: 67583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 87.8 | 63.4 | 95.0 |
| 39 | 57.3 | 47.1 | 70.7 |






#49
1,4-Dioxane
Concen: 807.374 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

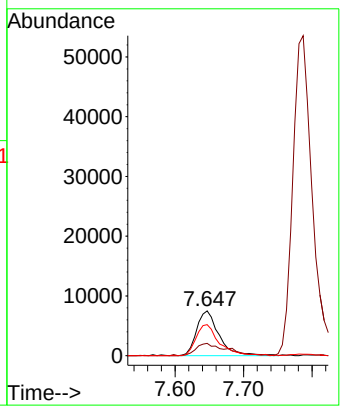
Tgt Ion: 88 Resp: 1692

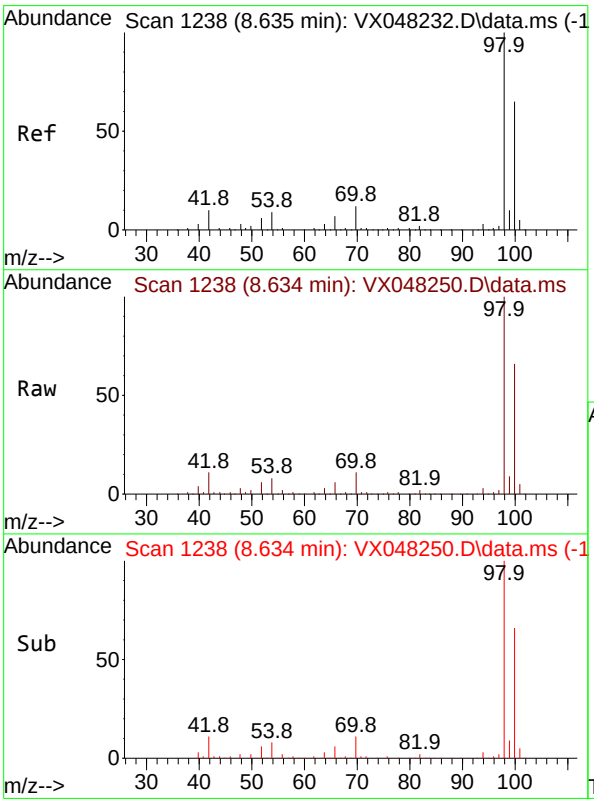
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.3 | 35.0 | 52.4 |
| 58 | 72.1 | 61.9 | 92.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

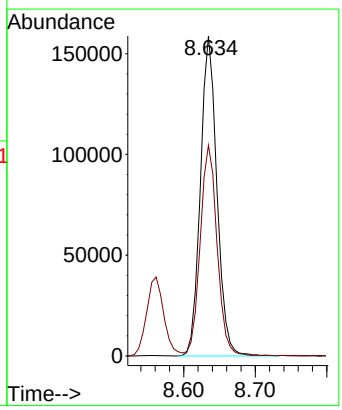


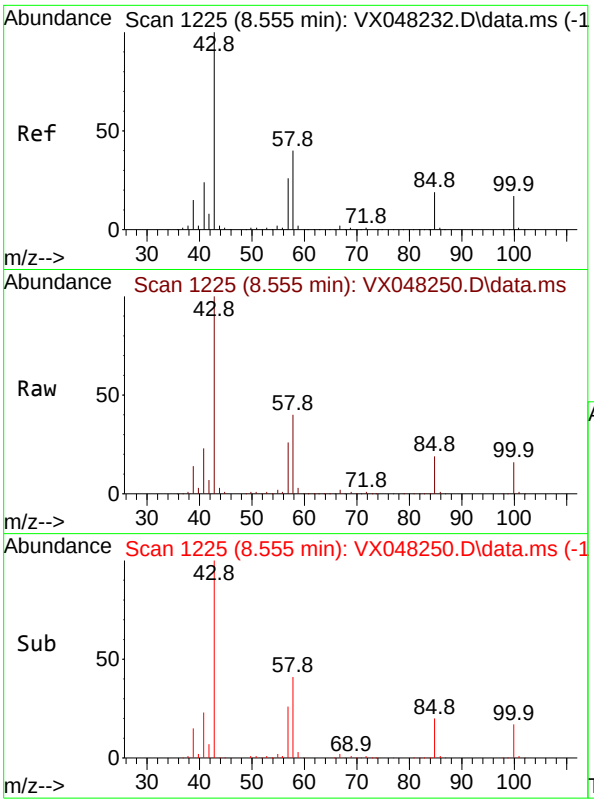




#50
Toluene-d8
Concen: 44.713 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 98 Resp: 254653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.2 | 53.0 | 79.4 |

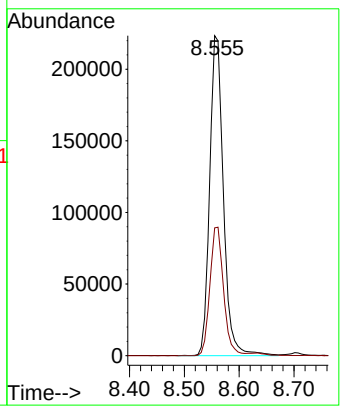





#51
4-Methyl-2-Pentanone
Concen: 213.772 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 43 Resp: 38755

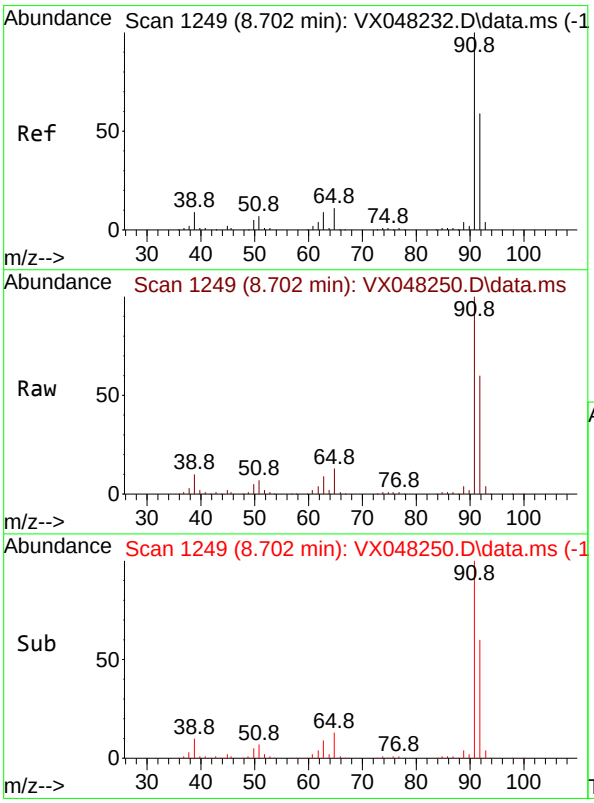
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.9 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

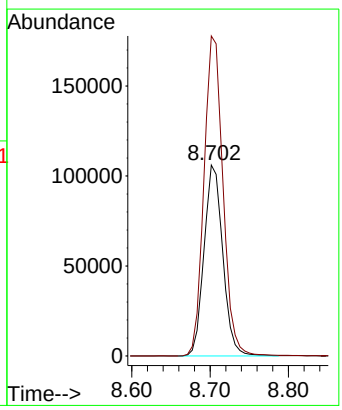
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

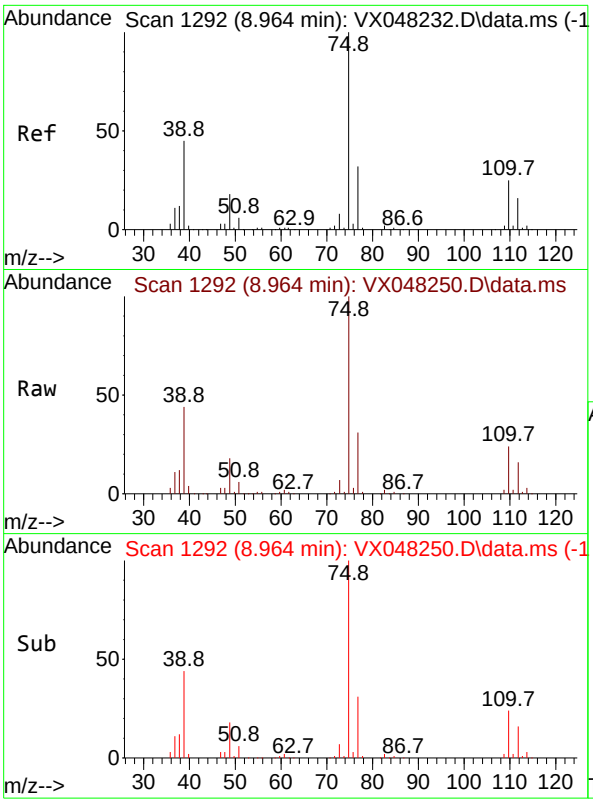



#52
Toluene
Concen: 41.403 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 92 Resp: 176360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.2 | 136.1 | 204.1 |

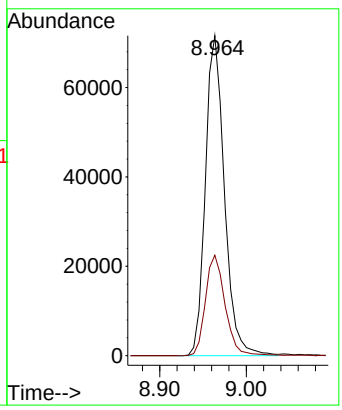





#53
t-1,3-Dichloropropene
Concen: 42.344 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 75 Resp: 10942

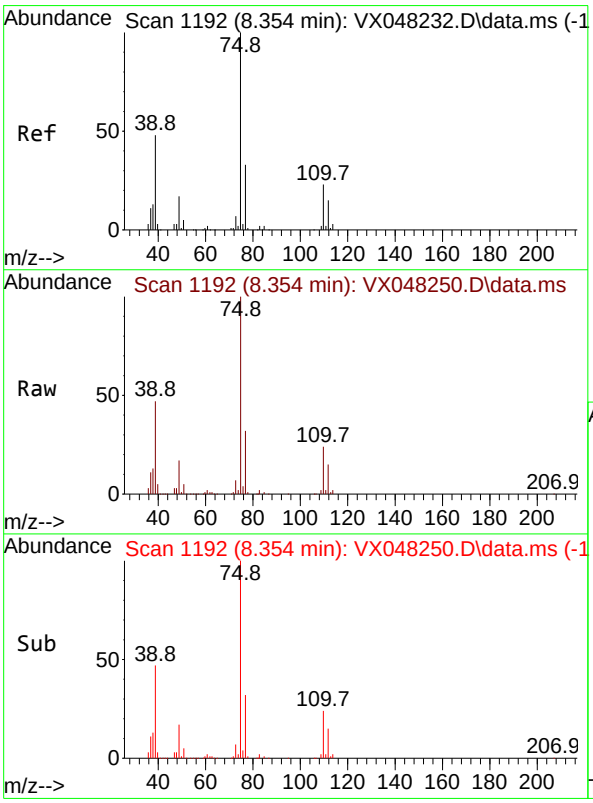
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

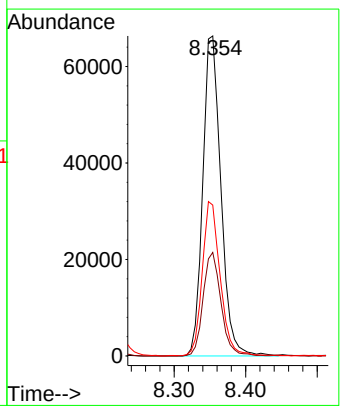
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

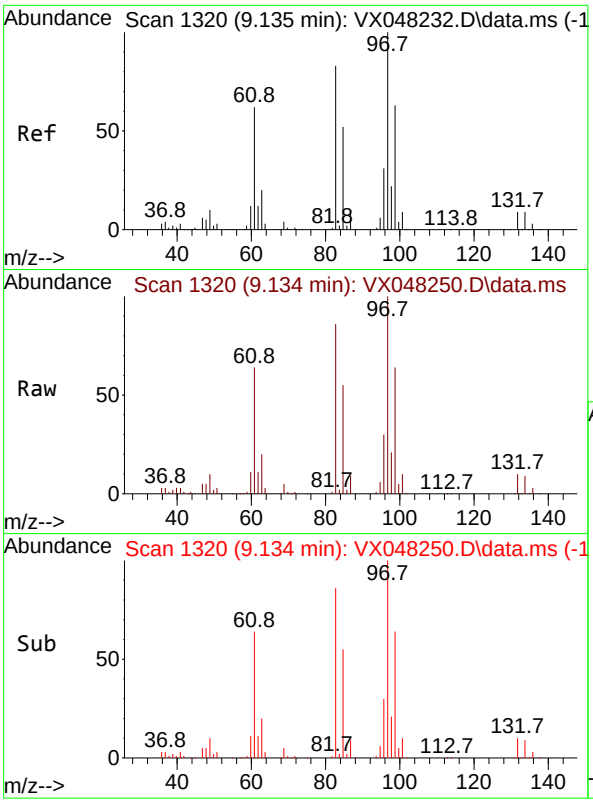



#54
cis-1,3-Dichloropropene
Concen: 41.966 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 75 Resp: 117004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 24.9 | 37.3 |
| 39 | 47.0 | 42.6 | 64.0 |

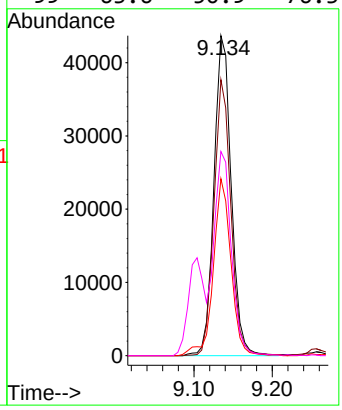





#55
1,1,2-Trichloroethane
Concen: 42.431 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 97 Resp: 6721

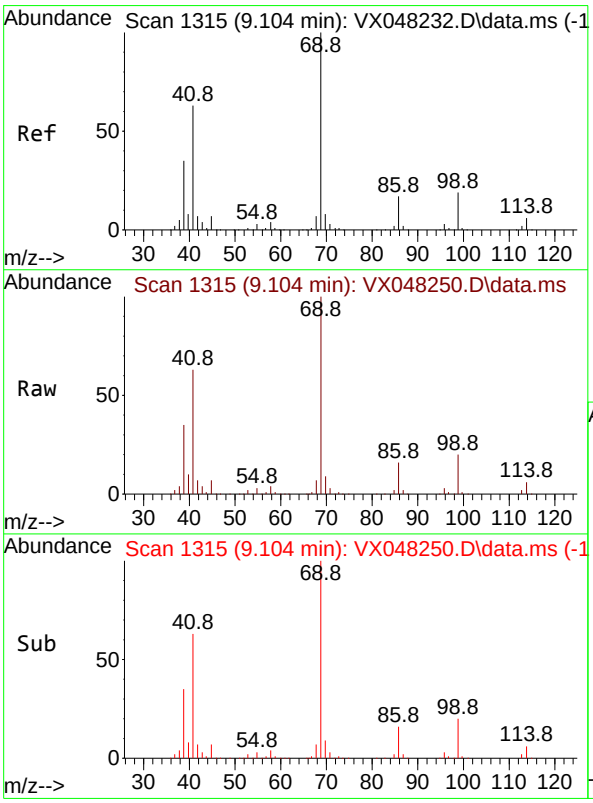
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.2 | 70.6 | 105.8 |
| 85 | 55.3 | 45.0 | 67.6 |
| 99 | 63.6 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

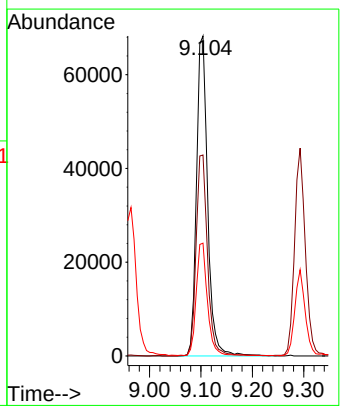
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

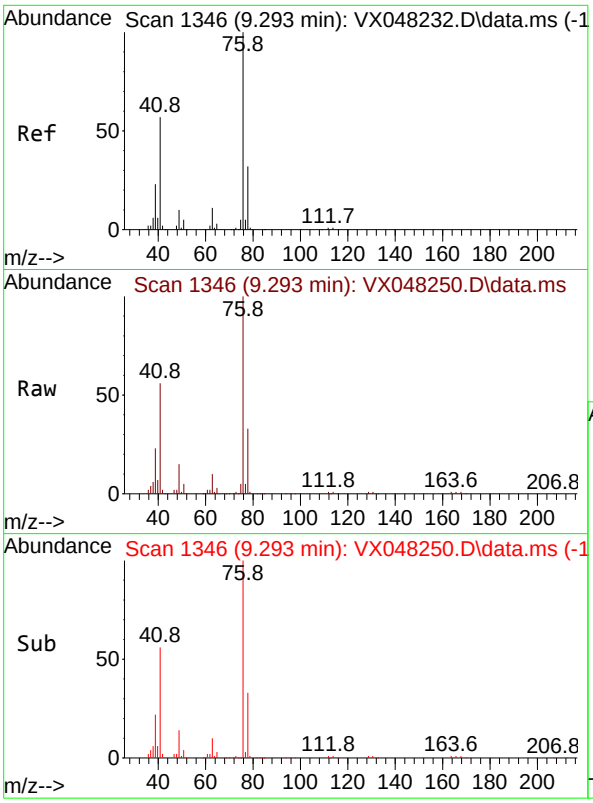



#56
Ethyl methacrylate
Concen: 44.462 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 69 Resp: 103017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.3 | 56.0 | 84.0 |
| 39 | 35.5 | 31.6 | 47.4 |






#57
1,3-Dichloropropane
Concen: 42.655 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

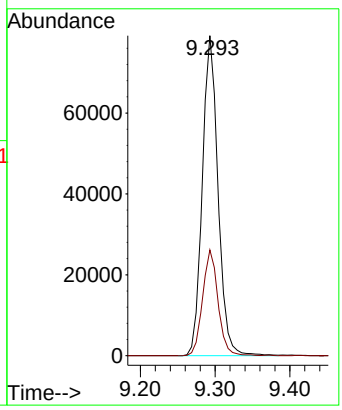
Tgt Ion: 76 Resp: 11541

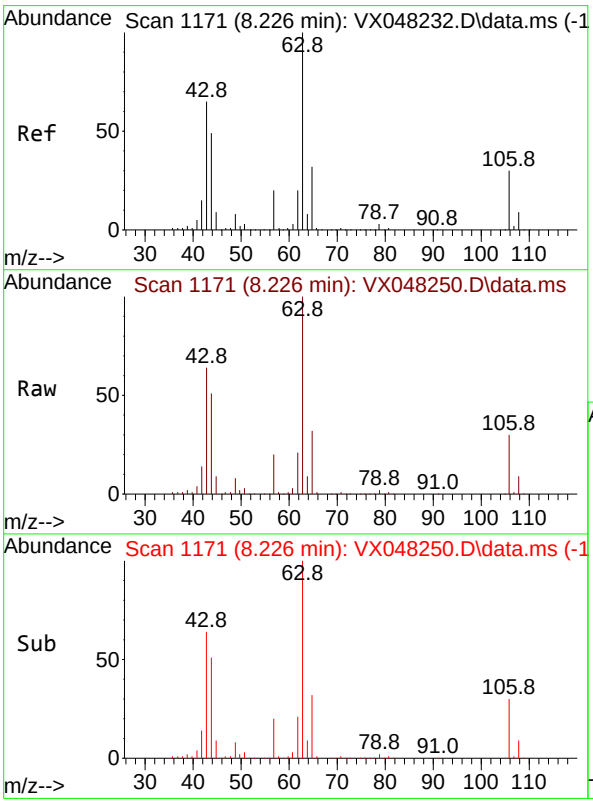
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.4 | 38.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

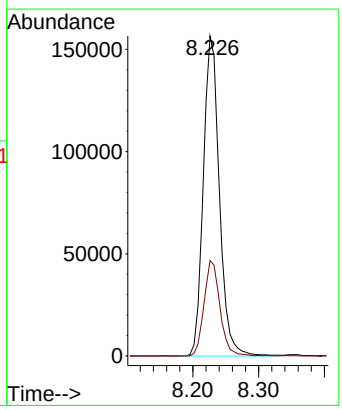


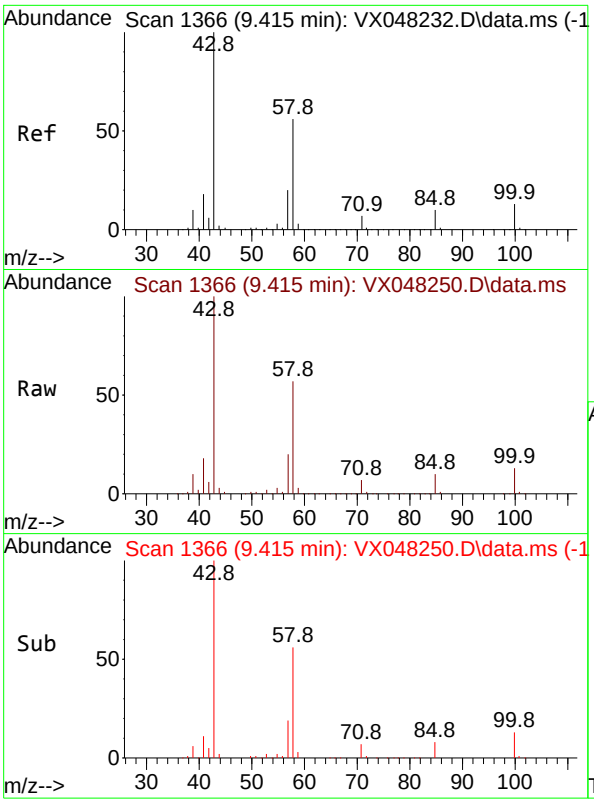




#58
2-Chloroethyl Vinyl ether
Concen: 213.796 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 63 Resp: 266044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.6 | 22.2 | 33.2 |






#59
2-Hexanone
Concen: 211.078 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

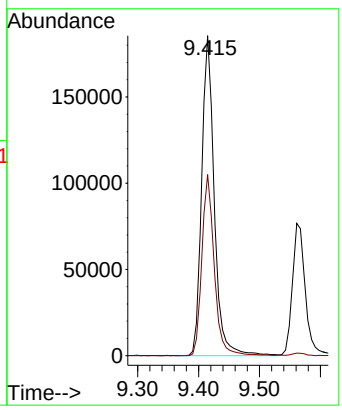
Tgt Ion: 43 Resp: 26682

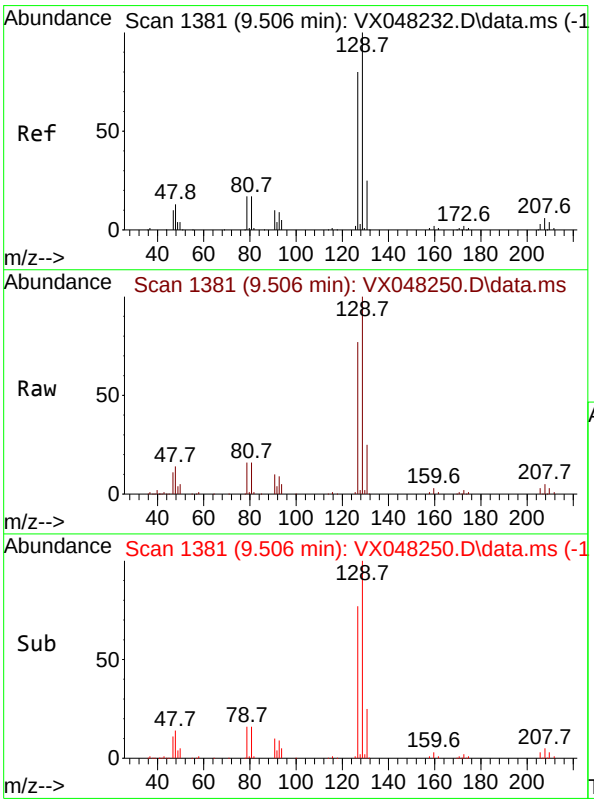
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.8 | 26.3 | 78.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

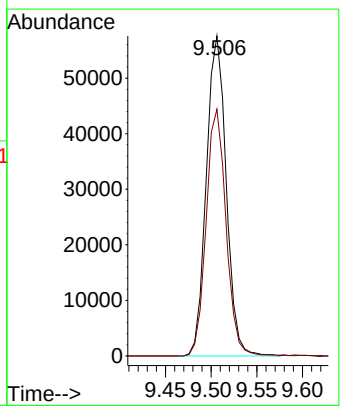


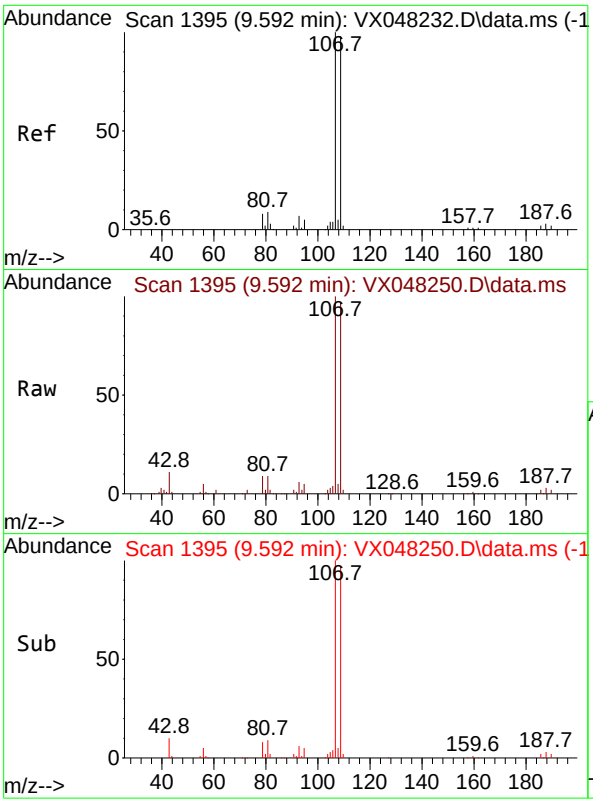




#60
Dibromochloromethane
Concen: 40.872 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:129 Resp: 87021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.2 | 38.6 | 115.7 |






#61
1,2-Dibromoethane
Concen: 42.360 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

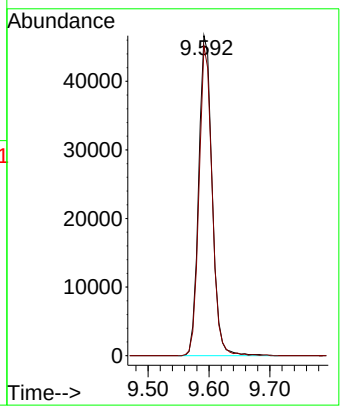
Tgt Ion:107 Resp: 7153

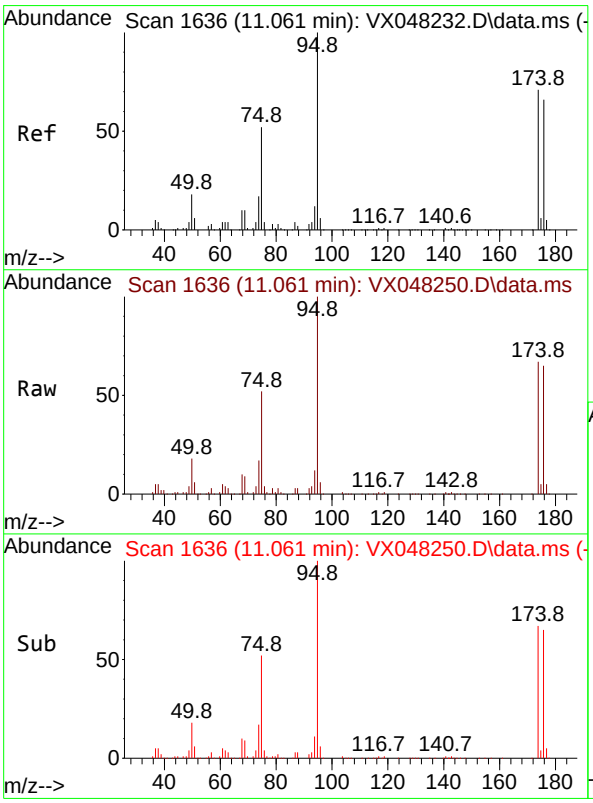
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.6 | 77.0 | 115.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

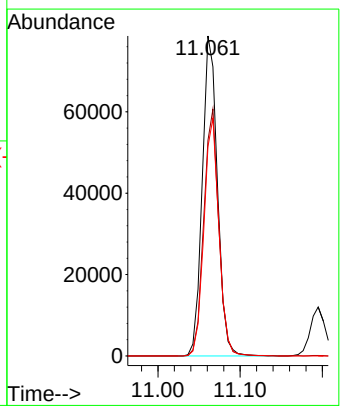


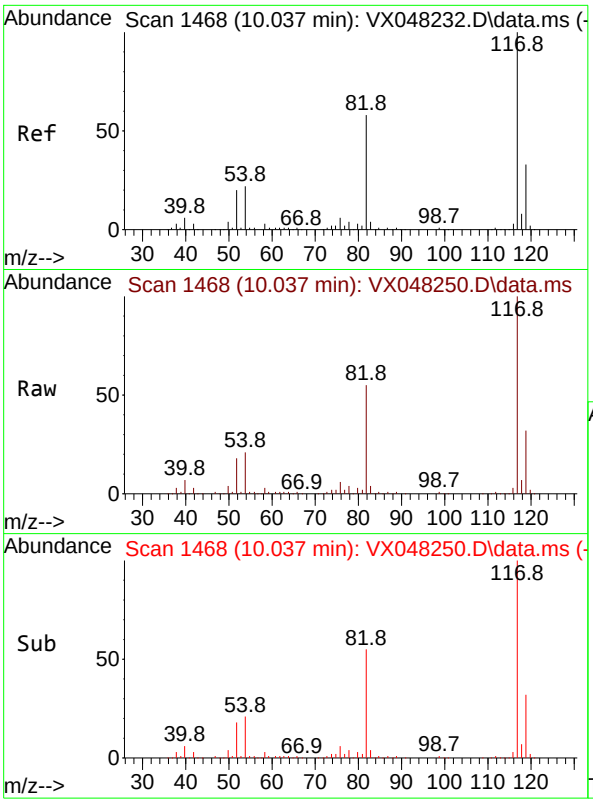




#62
4-Bromofluorobenzene
Concen: 46.587 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 95 Resp: 100937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.9 | 0.0 | 147.8 |
| 176 | 73.3 | 0.0 | 142.8 |

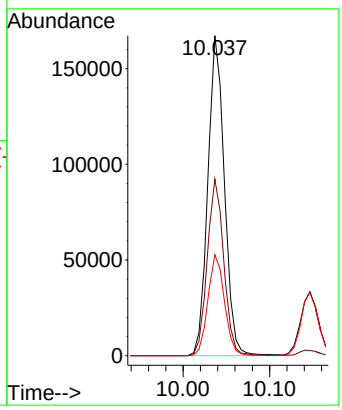





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:117 Resp: 22258

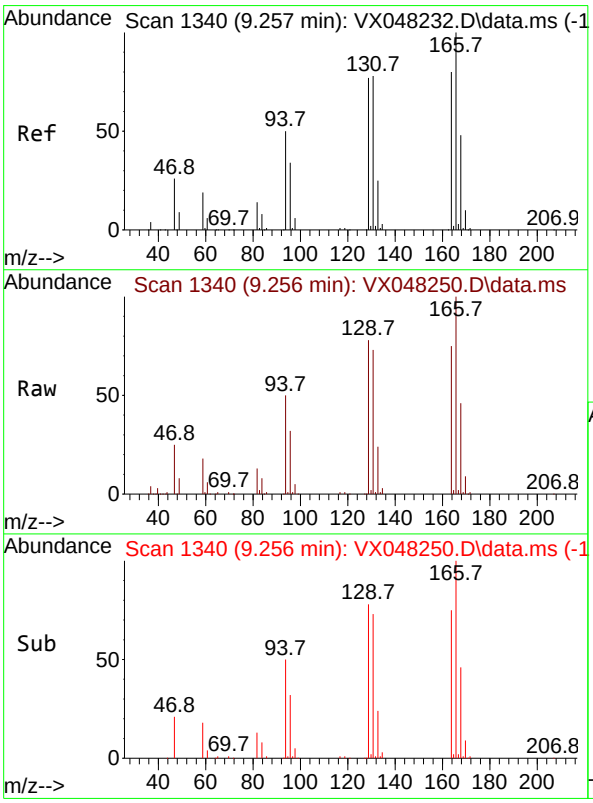
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.2 | 46.5 | 69.7 |
| 119 | 31.5 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

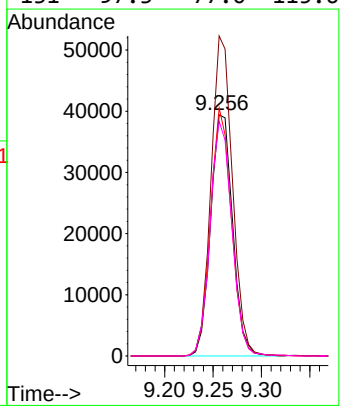
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

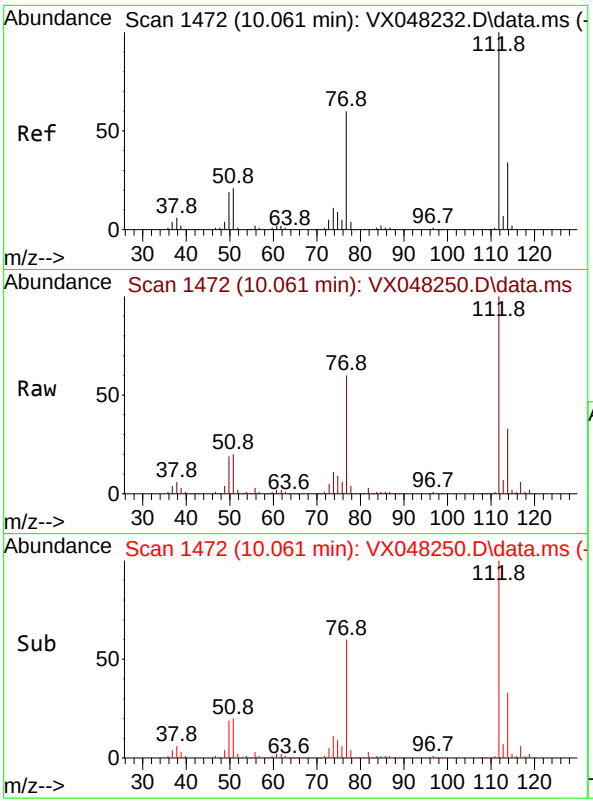



#64
Tetrachloroethene
Concen: 37.463 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:164 Resp: 62251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 132.7 | 104.5 | 156.7 |
| 129 | 102.9 | 81.8 | 122.6 |
| 131 | 97.3 | 77.0 | 115.6 |

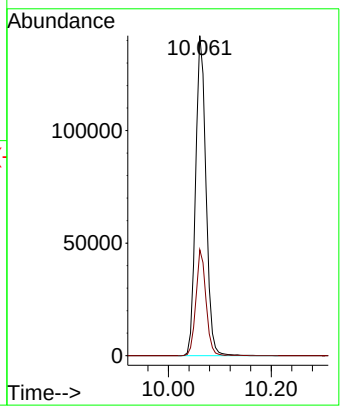





#65
Chlorobenzene
Concen: 39.787 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:112 Resp: 19921

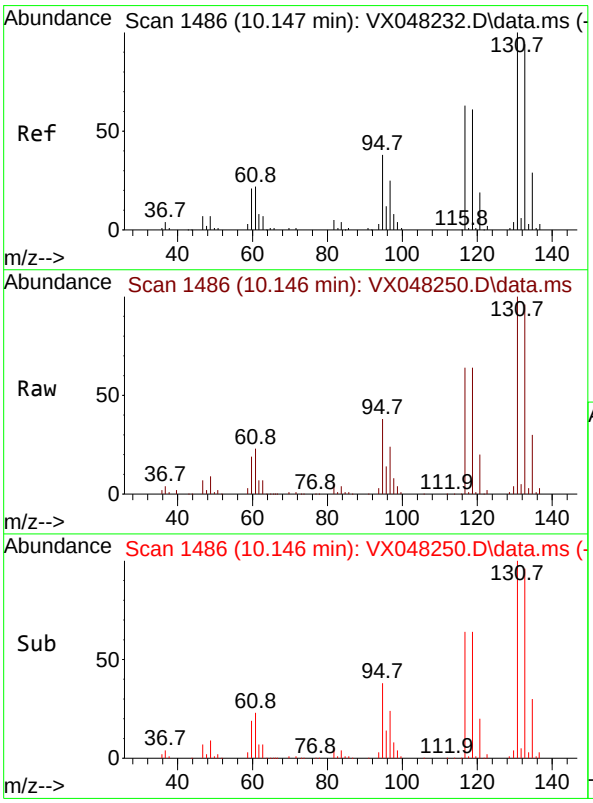
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.1 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

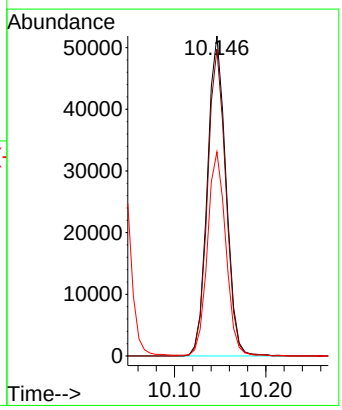
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

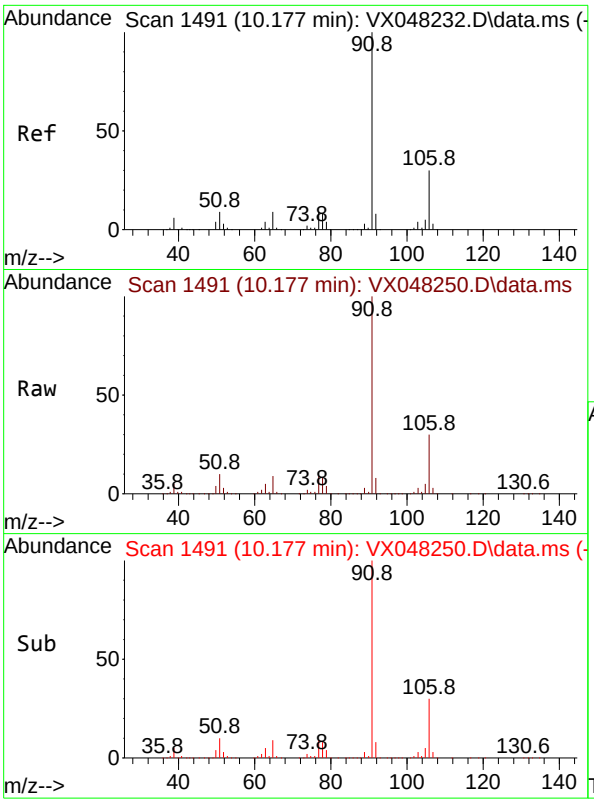



#66
1,1,1,2-Tetrachloroethane
Concen: 39.651 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:131 Resp: 72921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.6 | 142.8 |
| 119 | 63.1 | 32.5 | 97.5 |

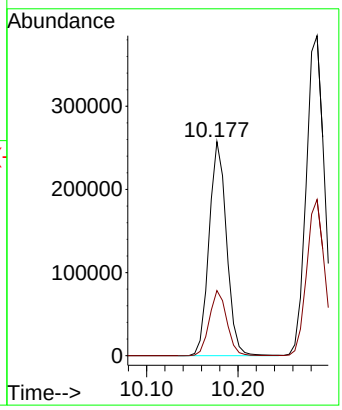





#67
Ethyl Benzene
Concen: 39.962 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 91 Resp: 34067

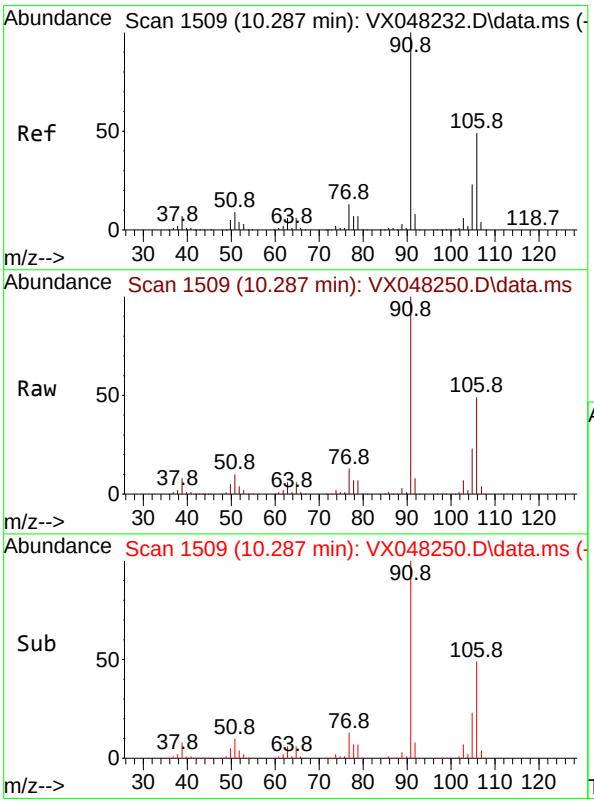
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

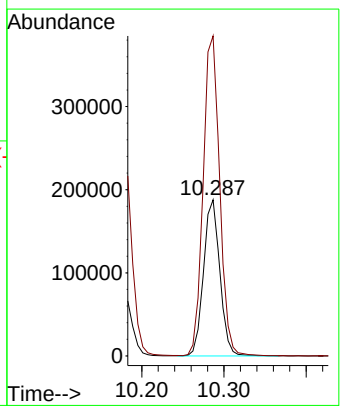
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

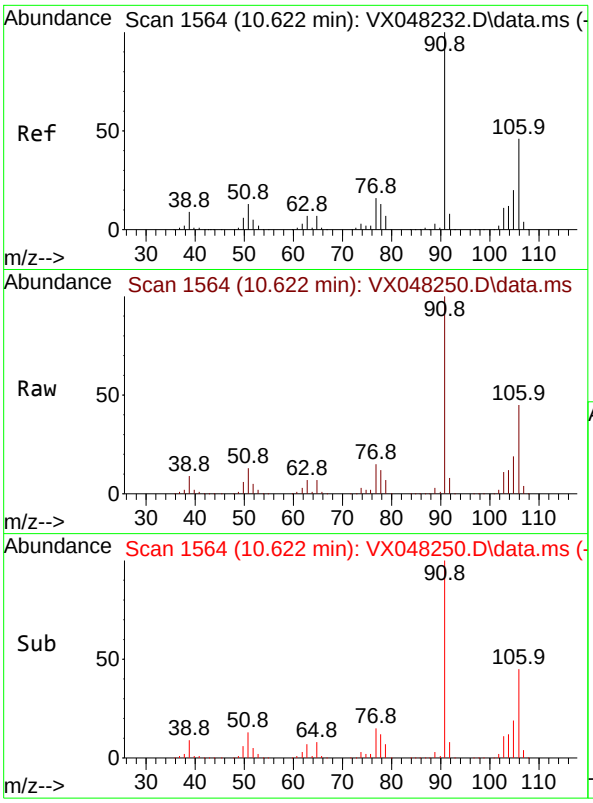



#68
m/p-Xylenes
Concen: 81.737 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:106 Resp: 258895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.8 | 167.9 | 251.9 |

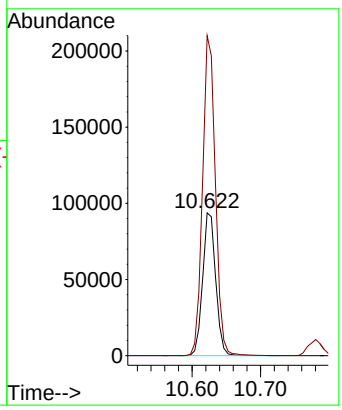





#69
o-Xylene
Concen: 40.619 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:106 Resp: 12421

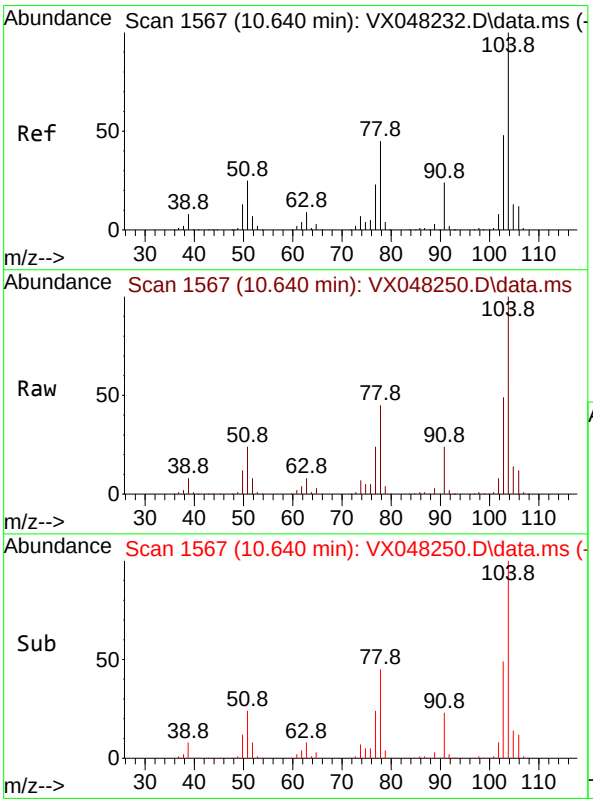
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.3 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

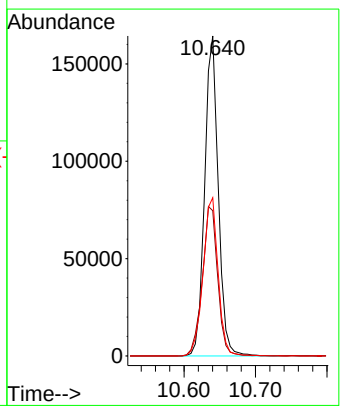
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

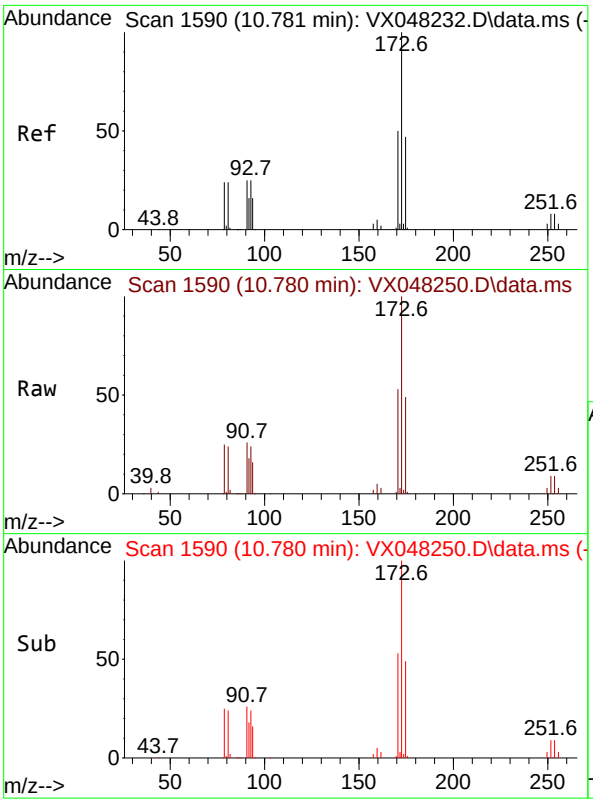



#70
Styrene
Concen: 41.732 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:104 Resp: 217296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.8 | 42.2 | 63.4 |
| 103 | 54.7 | 43.0 | 64.4 |

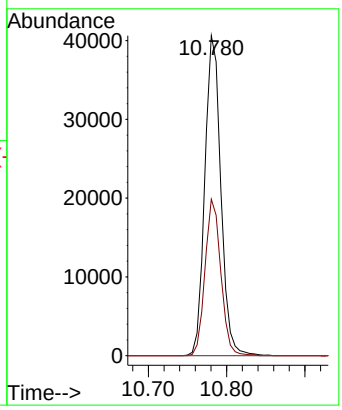





#71
Bromoform
Concen: 39.184 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:173 Resp: 5759

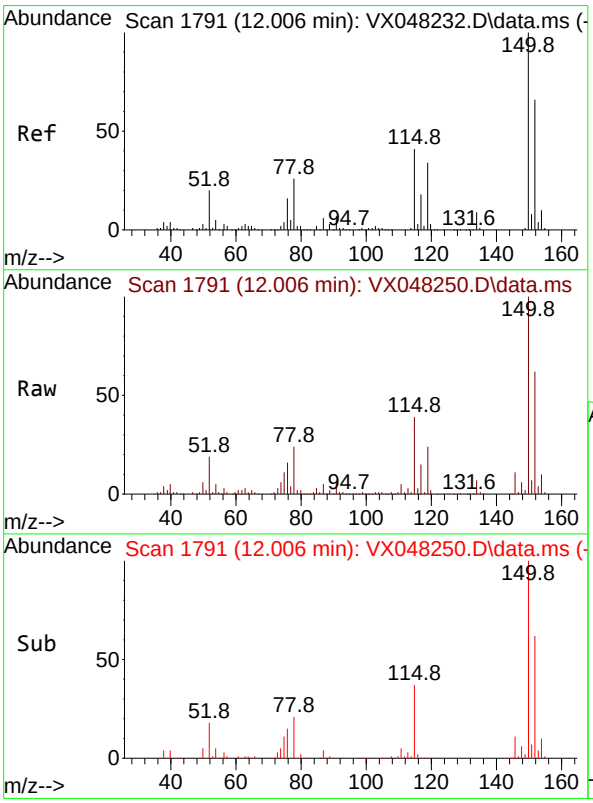
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.1 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

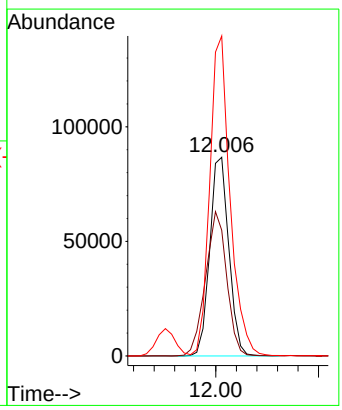
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

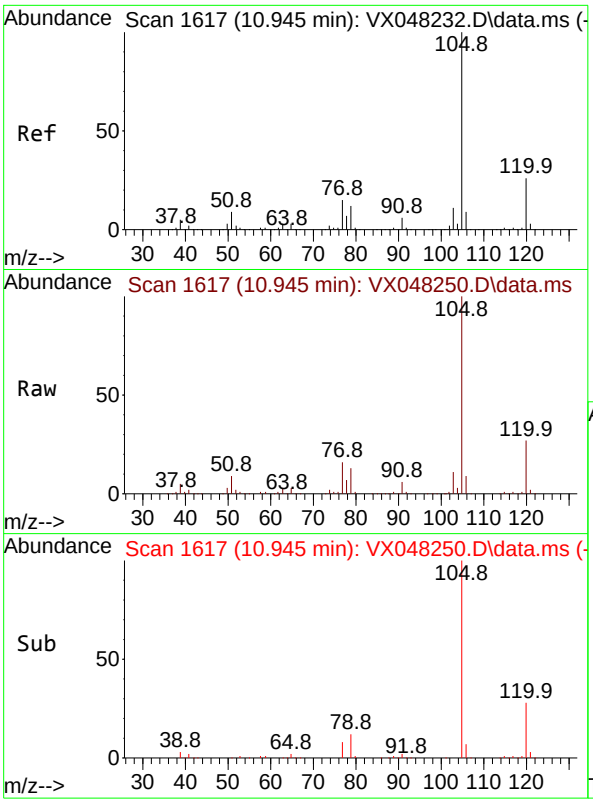



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:152 Resp: 111726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 80.8 | 43.1 | 129.4 |
| 150 | 171.0 | 0.0 | 353.0 |

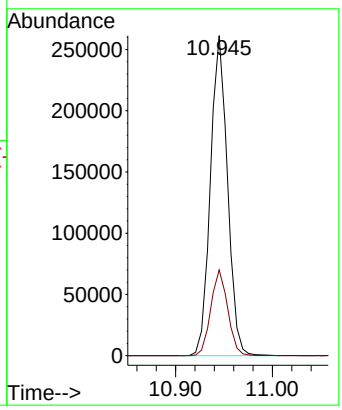





#73
Isopropylbenzene
Concen: 39.266 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:105 Resp: 32042

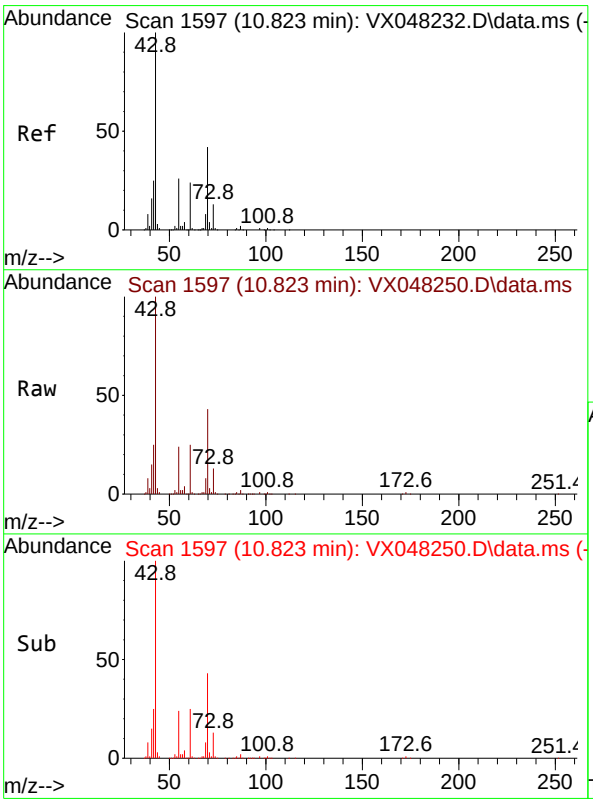
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.0 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

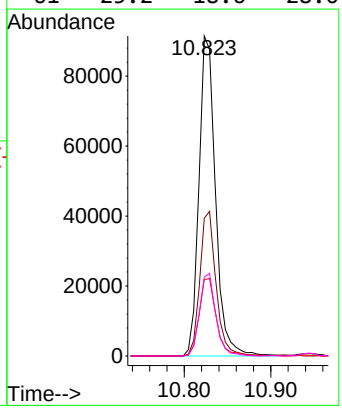
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

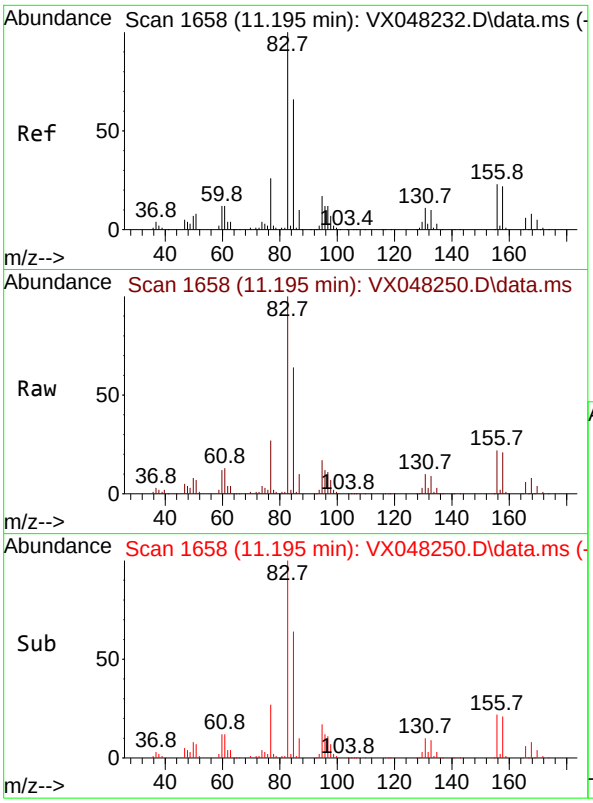



#74
N-amyl acetate
Concen: 41.983 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 43 Resp: 121526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.5 | 32.2 | 48.2 |
| 55 | 25.2 | 19.1 | 28.7 |
| 61 | 25.2 | 18.6 | 28.0 |

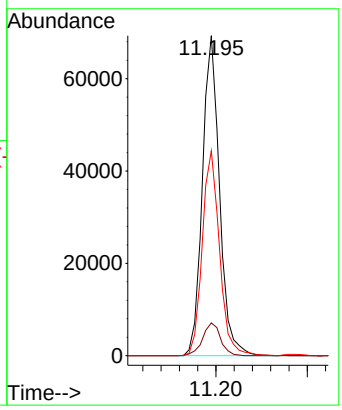





#75
1,1,2,2-Tetrachloroethane
Concen: 40.326 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 83 Resp: 8986

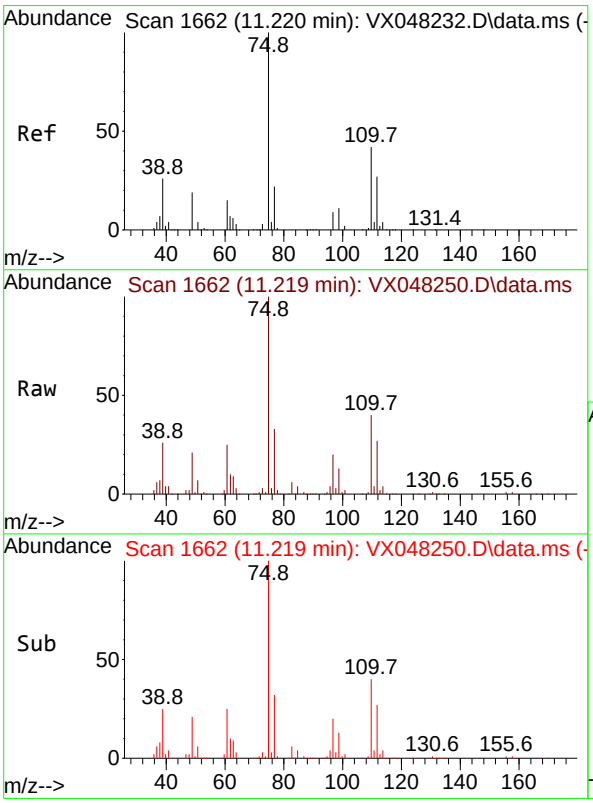
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.8 | 4.8 | 14.4 |
| 85 | 64.6 | 31.9 | 95.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

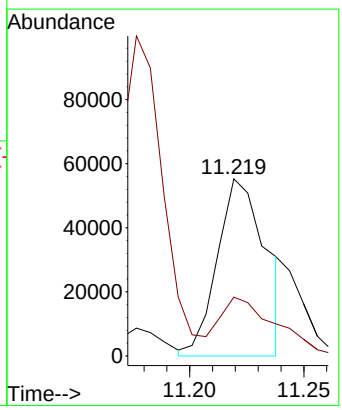
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

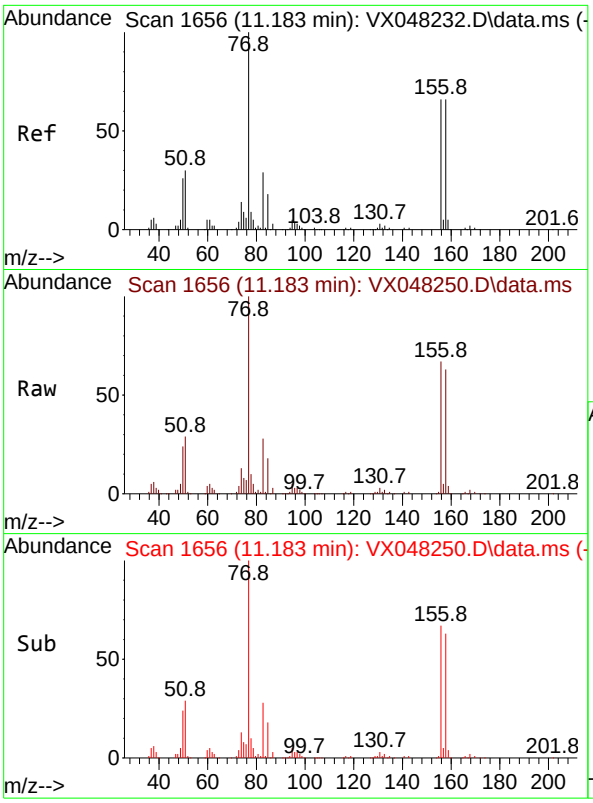



#76
1,2,3-Trichloropropane
Concen: 44.991 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 75 Resp: 81515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.8 | 22.4 | 67.2 |

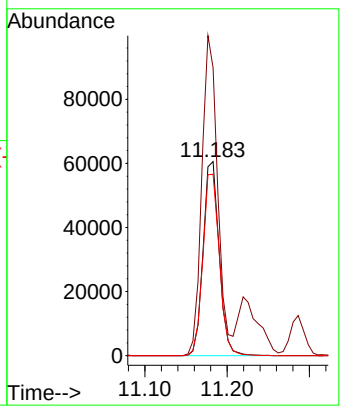





#77
Bromobenzene
Concen: 40.142 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:156 Resp: 8213

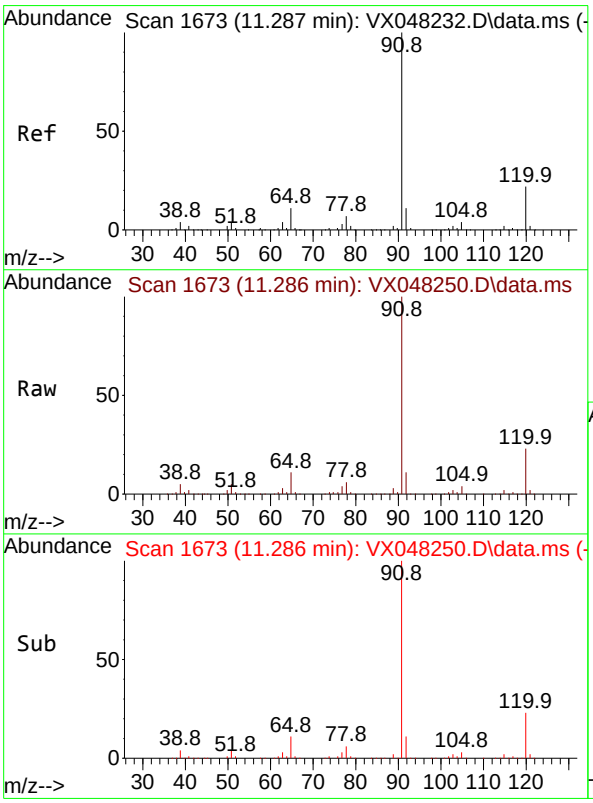
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 162.9 | 87.0 | 261.0 |
| 158 | 96.3 | 47.8 | 143.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

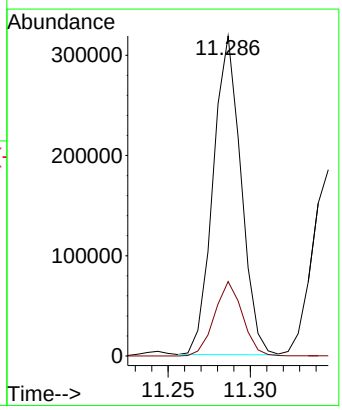
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

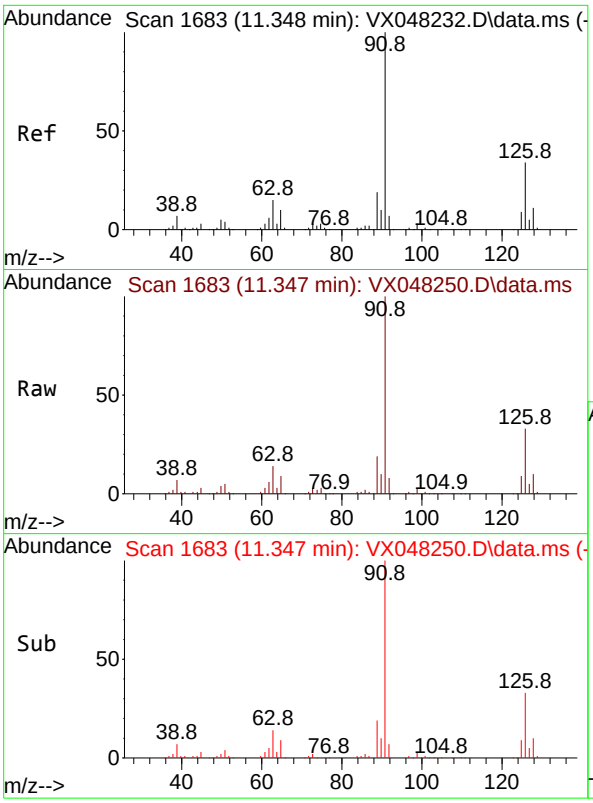



#78
n-propylbenzene
Concen: 39.766 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 91 Resp: 375729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.4 | 11.1 | 33.1 |






#79
2-Chlorotoluene
Concen: 39.772 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

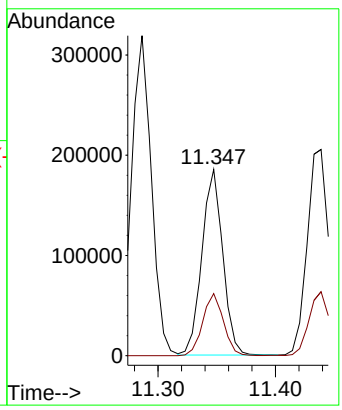
Tgt Ion: 91 Resp: 22783

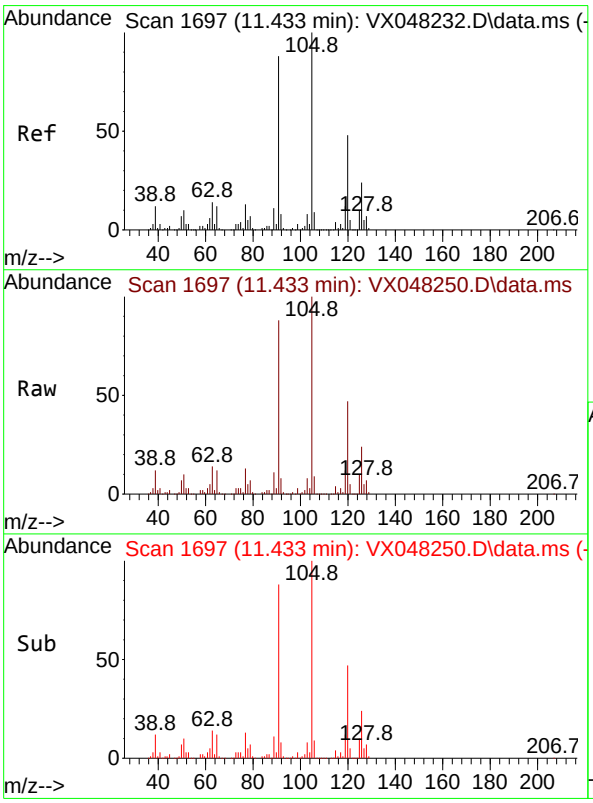
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.4 | 49.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

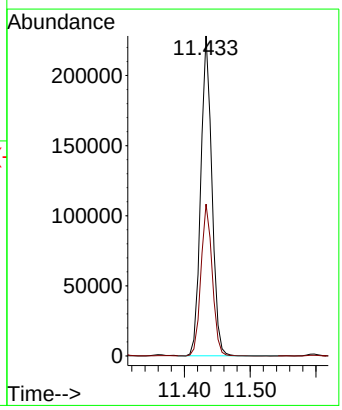


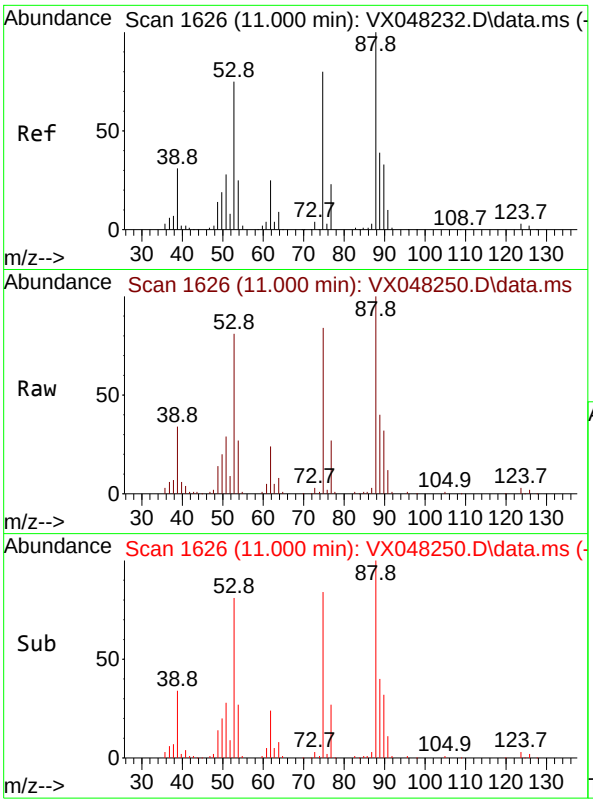




#80
1,3,5-Trimethylbenzene
Concen: 39.638 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:105 Resp: 267685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.0 | 72.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 38.739 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

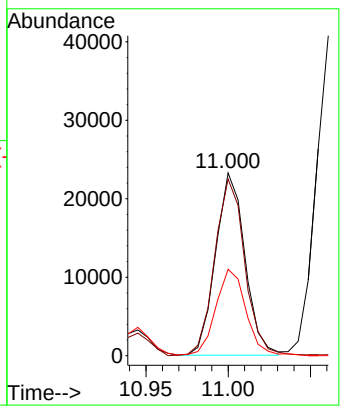
Tgt Ion: 75 Resp: 2884

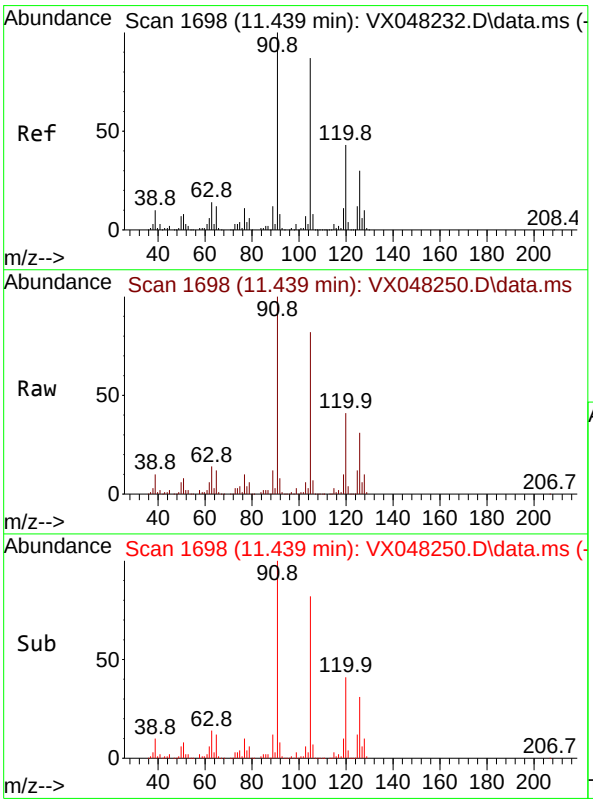
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 99.8 | 79.5 | 119.3 |
| 89 | 48.9 | 36.8 | 55.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

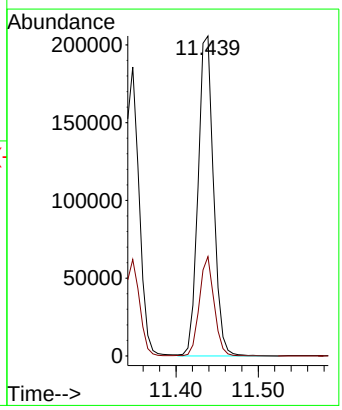


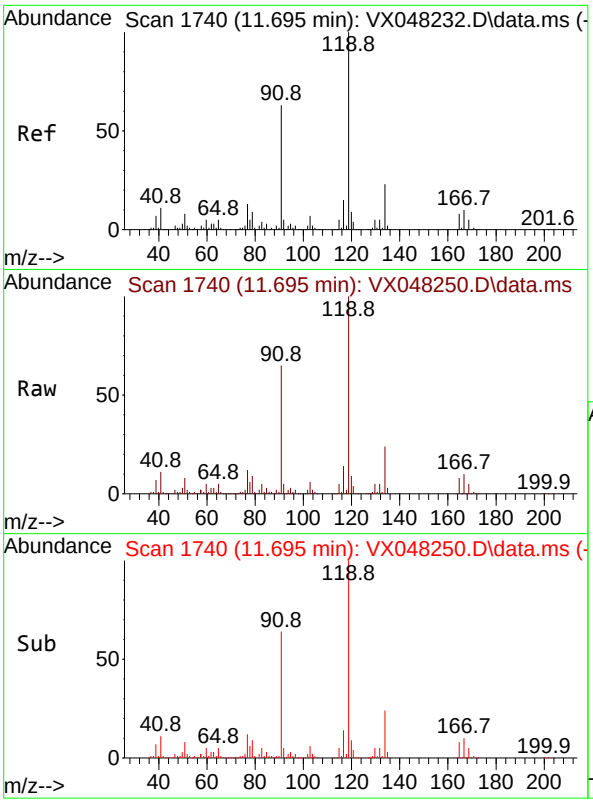




#82
4-Chlorotoluene
Concen: 39.656 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 91 Resp: 269666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.7 | 14.1 | 42.4 |

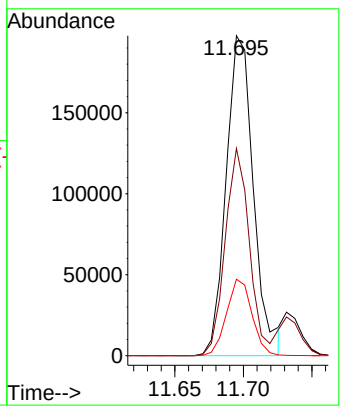





#83
tert-Butylbenzene
Concen: 39.532 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:119 Resp: 27430

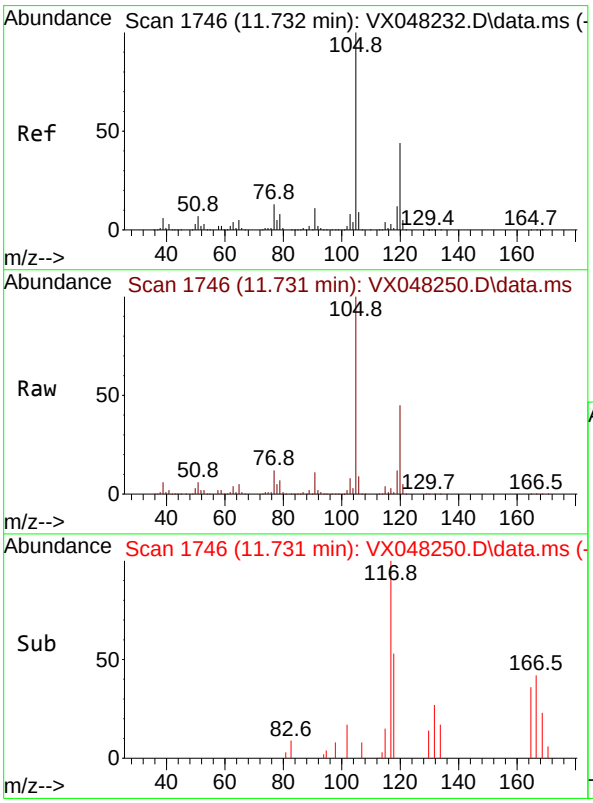
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 57.3 | 30.3 | 91.0 |
| 134 | 22.3 | 11.4 | 34.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

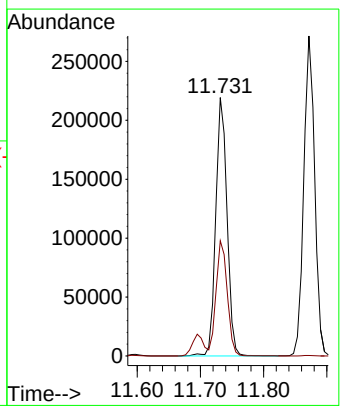
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

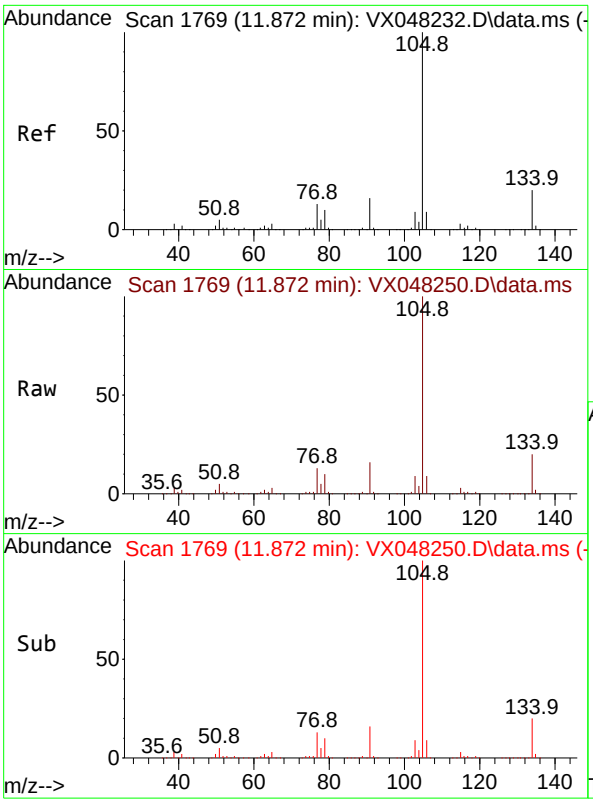



#84
1,2,4-Trimethylbenzene
Concen: 40.199 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:105 Resp: 270928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.5 |






#85
sec-Butylbenzene
Concen: 38.565 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

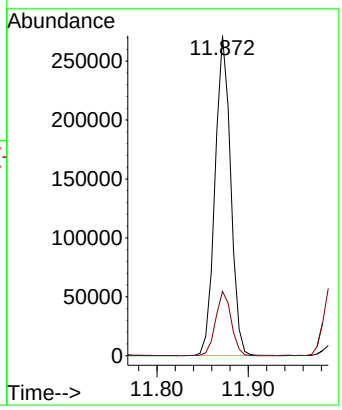
Tgt Ion:105 Resp: 32193

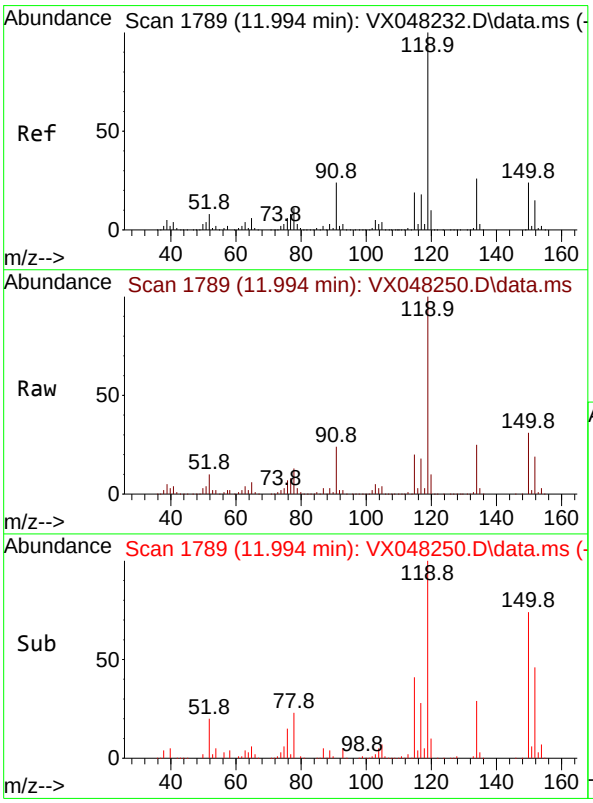
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 10.1 | 30.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

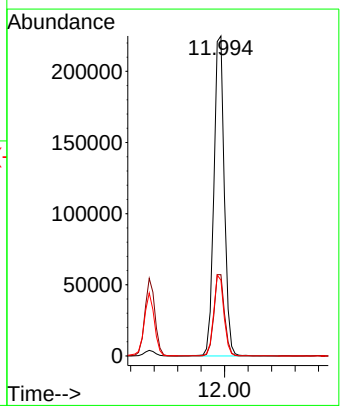


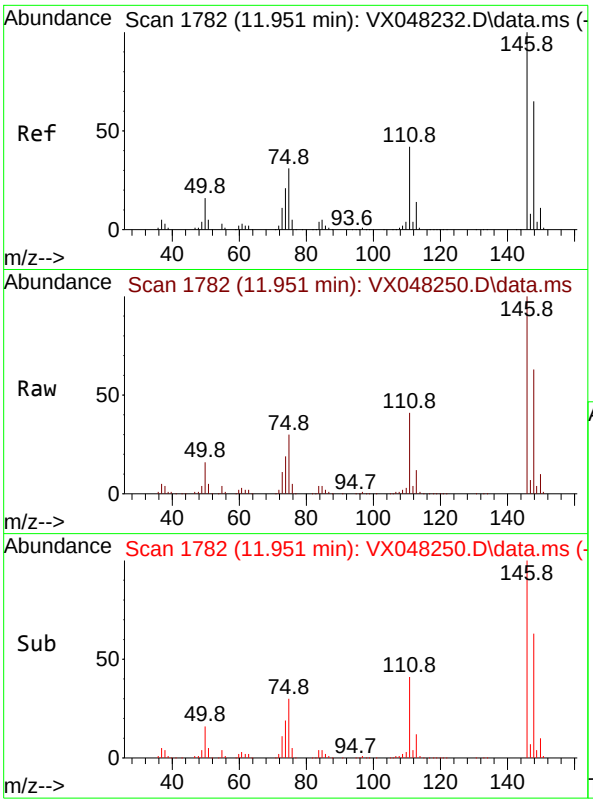




#86
p-Isopropyltoluene
Concen: 38.201 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:119 Resp: 275642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 13.0 | 39.0 |
| 91 | 24.8 | 12.1 | 36.3 |

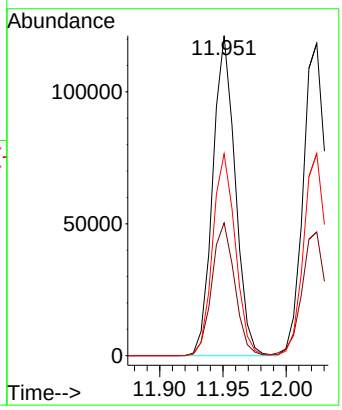





#87
1,3-Dichlorobenzene
Concen: 38.747 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

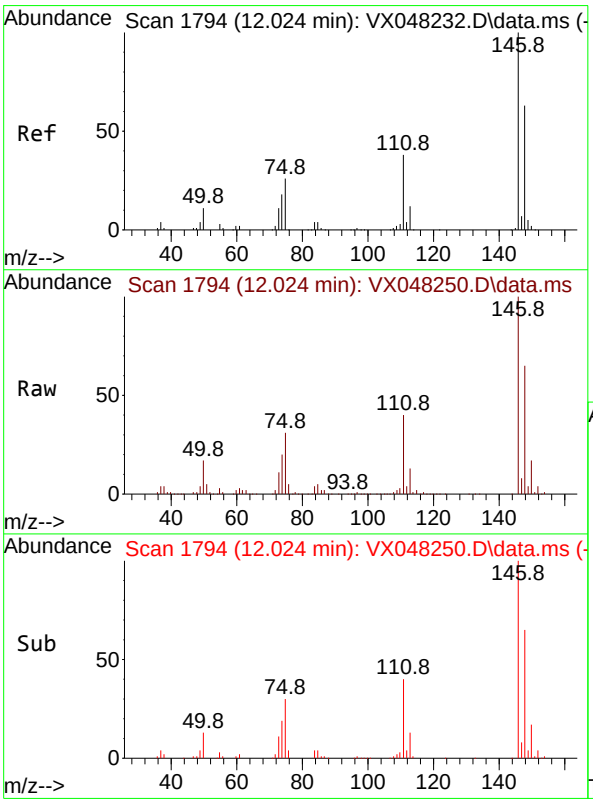
Tgt Ion:146 Resp: 14946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 20.4 | 61.2 |
| 148 | 63.6 | 31.9 | 95.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

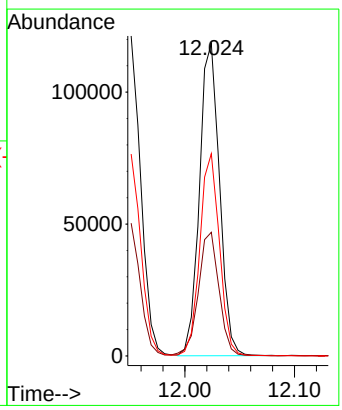
**Manual Integrations APPROVED**
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

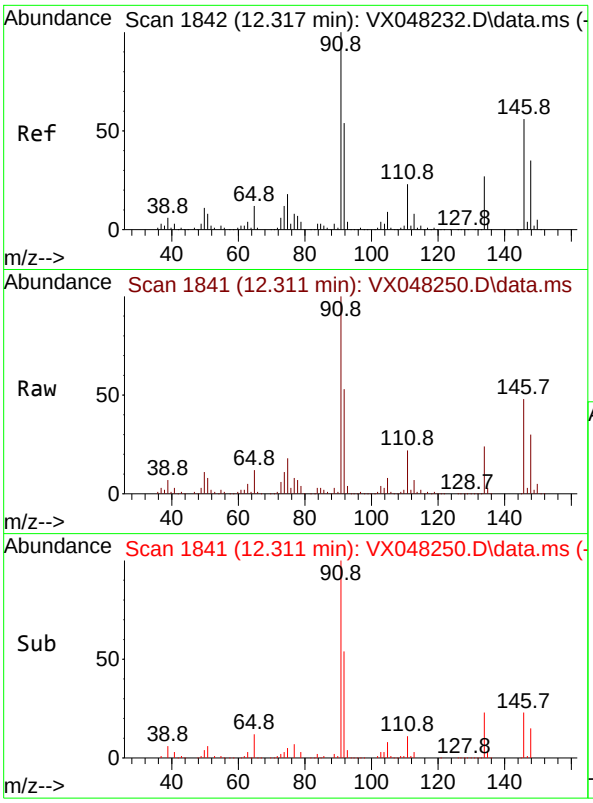



#88
1,4-Dichlorobenzene
Concen: 37.584 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:146 Resp: 150187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 20.1 | 60.2 |
| 148 | 63.3 | 31.8 | 95.3 |

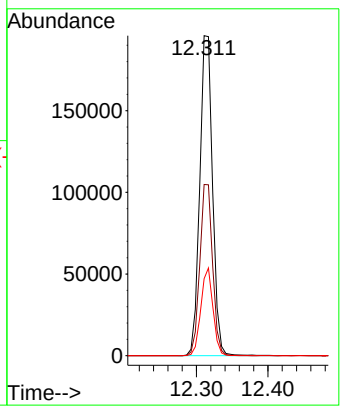





#89
n-Butylbenzene
Concen: 37.088 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 91 Resp: 24357

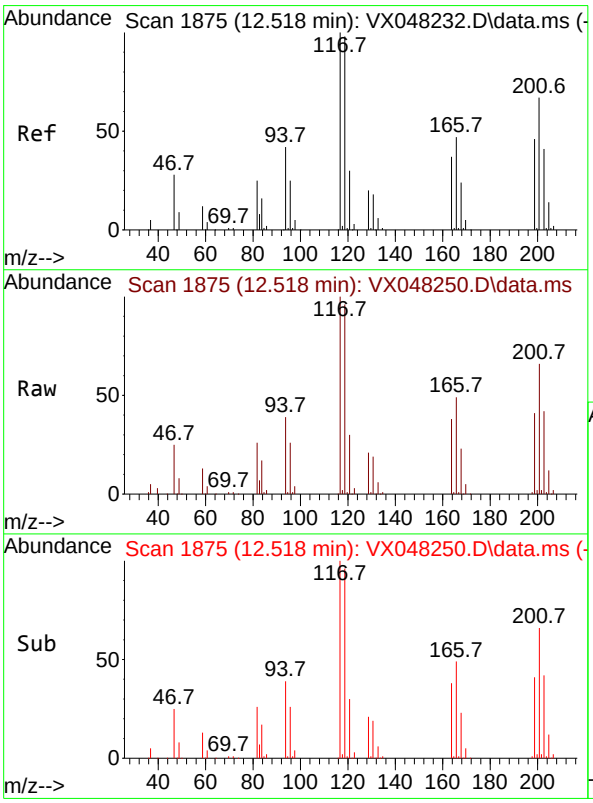
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.4 | 26.9 | 80.6 |
| 134 | 25.8 | 12.7 | 38.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

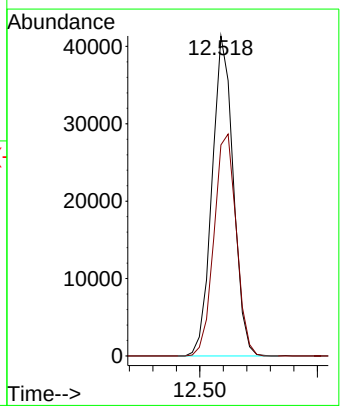
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

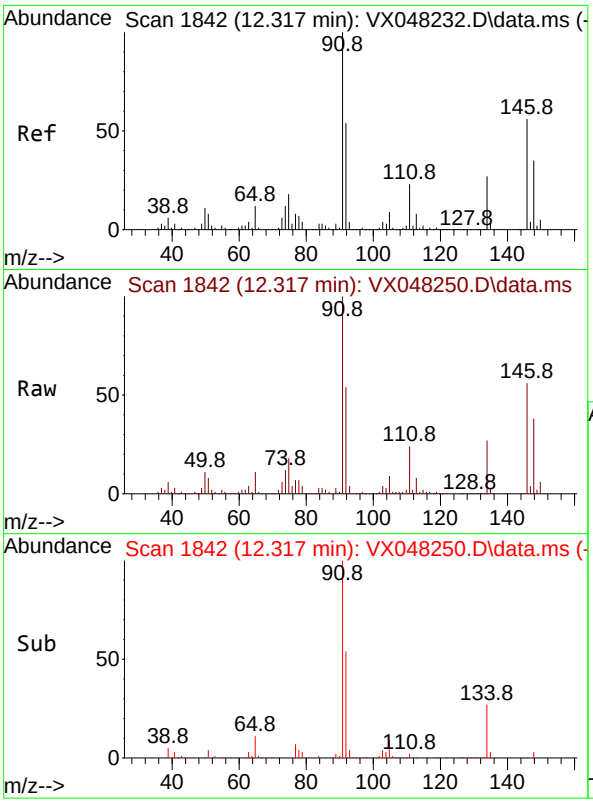



#90
Hexachloroethane
Concen: 36.415 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:117 Resp: 51888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.9 | 34.1 | 102.2 |

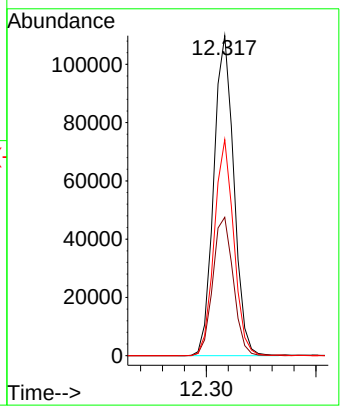





#91
1,2-Dichlorobenzene
Concen: 38.670 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:146 Resp: 14004

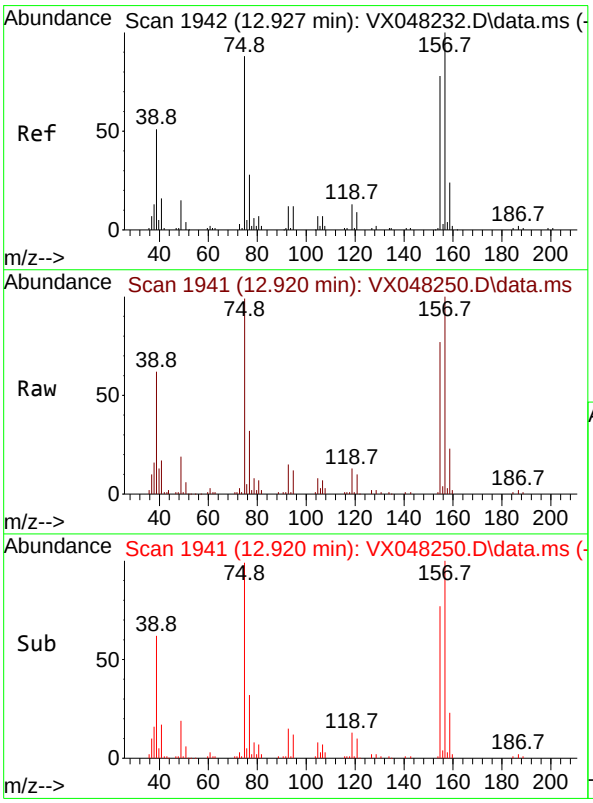
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.0 | 21.9 | 65.5 |
| 148 | 65.7 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

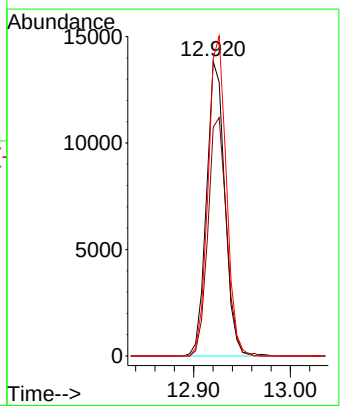
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

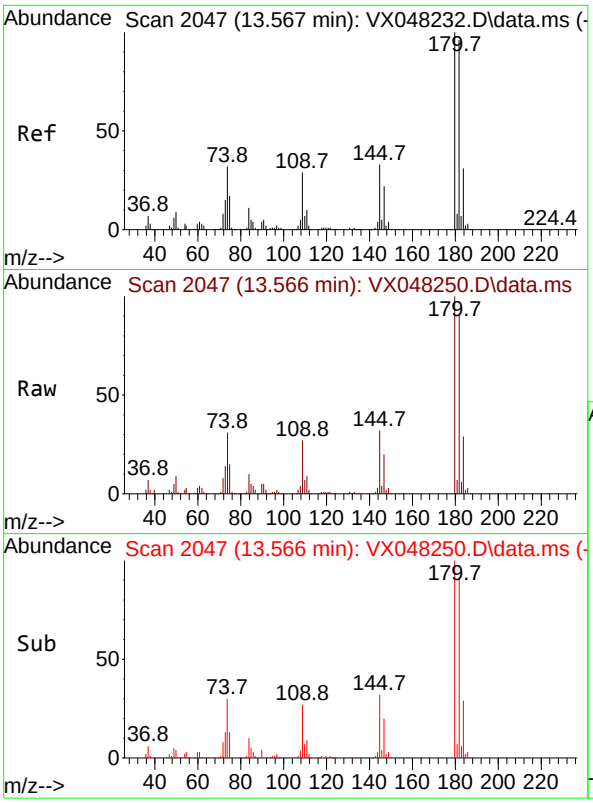



#92
1,2-Dibromo-3-Chloropropane
Concen: 40.157 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 75 Resp: 18165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.2 | 42.8 | 128.4 |
| 157 | 107.8 | 54.2 | 162.6 |

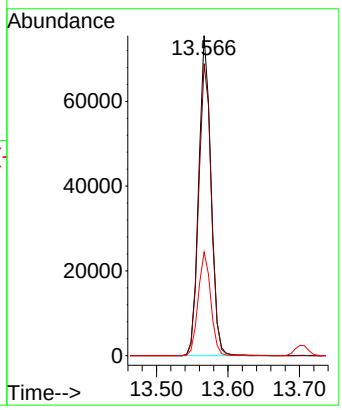





#93
1,2,4-Trichlorobenzene
Concen: 36.492 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:180 Resp: 8937

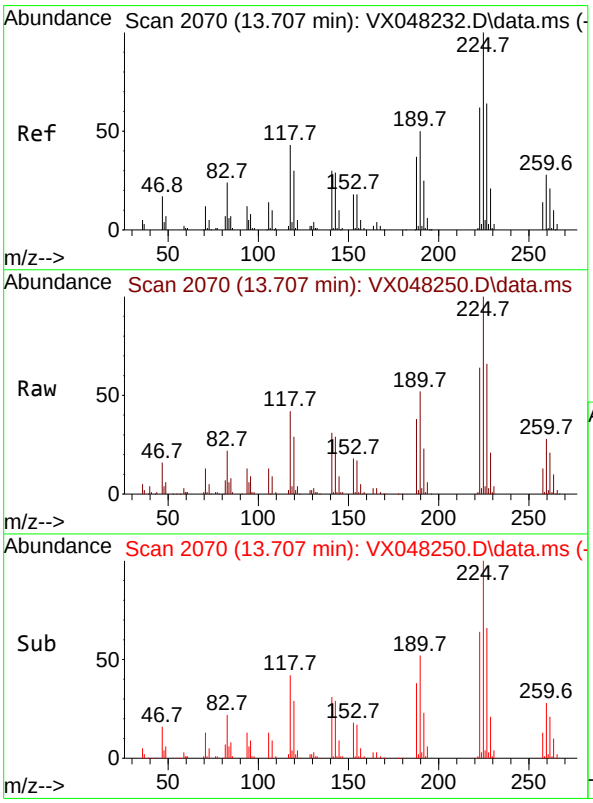
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 47.3 | 142.0 |
| 145 | 33.2 | 16.3 | 48.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

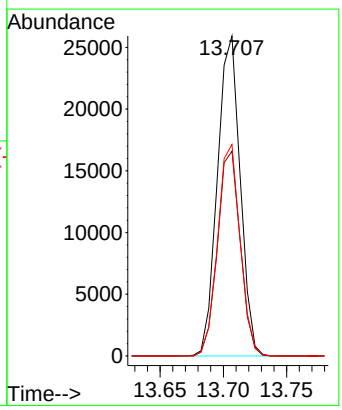
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

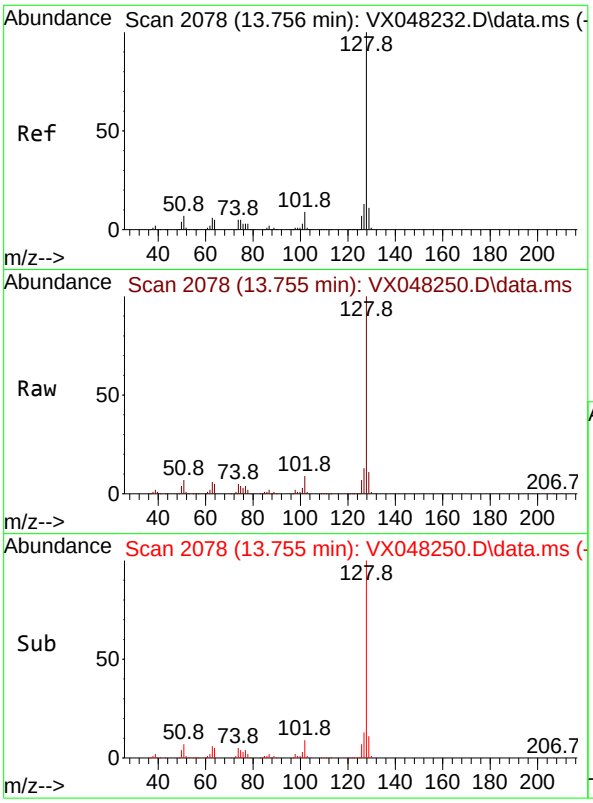



#94
Hexachlorobutadiene
Concen: 35.315 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:225 Resp: 32393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 32.6 | 97.7 |
| 227 | 65.4 | 32.5 | 97.4 |

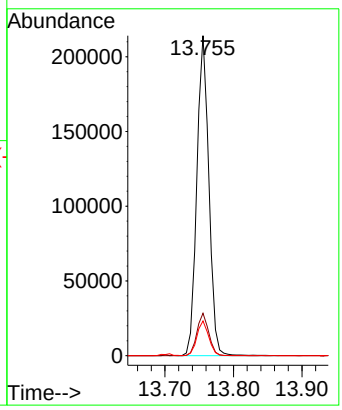





#95
Naphthalene
Concen: 40.307 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:128 Resp: 26154

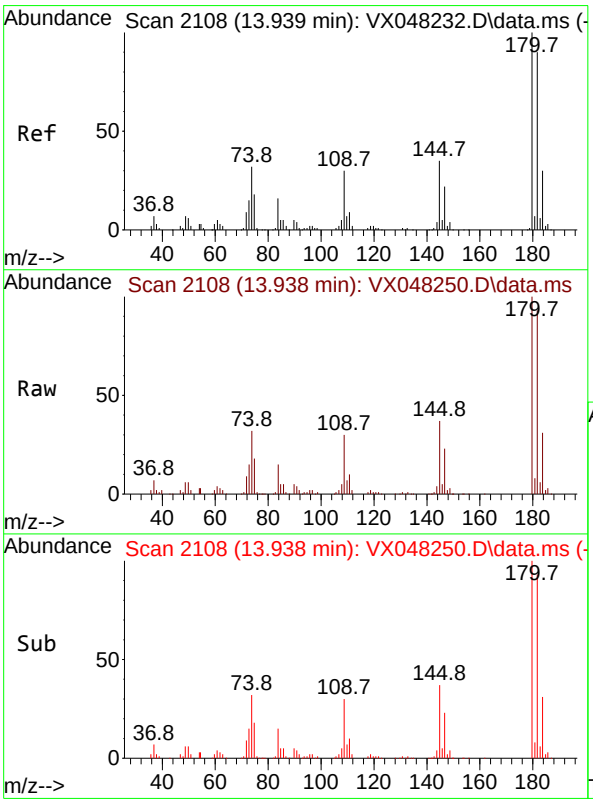
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.2 | 15.4 |
| 129 | 10.7 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

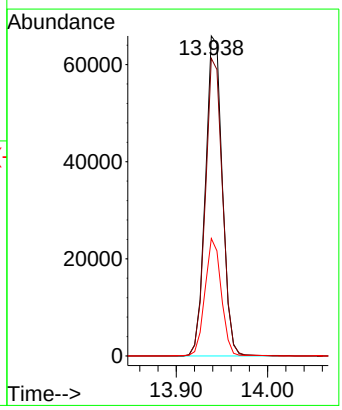
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 37.421 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:180 Resp: 84101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 46.6 | 139.7 |
| 145 | 35.7 | 16.9 | 50.7 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 112 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.514 | 0.390 | 24.1 | 91 | 0.00 |
| 3 | P | Chloromethane | 0.480 | 0.382 | 20.4 | 95 | 0.00 |
| 4 | C | Vinyl Chloride | 0.444 | 0.366 | 17.6# | 98 | 0.00 |
| 5 | T | Bromomethane | 0.302 | 0.257 | 14.9 | 102 | 0.00 |
| 6 | T | Chloroethane | 0.261 | 0.226 | 13.4 | 103 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.852 | 0.698 | 18.1 | 97 | 0.00 |
| 8 | T | Diethyl Ether | 0.240 | 0.216 | 10.0 | 109 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.540 | 0.436 | 19.3 | 98 | 0.00 |
| 10 | T | Methyl Iodide | 0.678 | 0.603 | 11.1 | 102 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.070 | 0.054 | 22.9 | 99 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.525 | 0.438 | 16.6# | 101 | 0.00 |
| 13 | T | Acrolein | 0.071 | 0.061 | 14.1 | 105 | 0.00 |
| 14 | T | Allyl chloride | 0.872 | 0.740 | 15.1 | 103 | 0.00 |
| 15 | T | Acrylonitrile | 0.251 | 0.225 | 10.4 | 105 | 0.00 |
| 16 | T | Acetone | 0.240 | 0.168 | 30.0# | 93 | 0.00 |
| 17 | T | Carbon Disulfide | 1.654 | 1.268 | 23.3 | 99 | 0.00 |
| 18 | T | Methyl Acetate | 0.502 | 0.453 | 9.8 | 109 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.791 | 1.597 | 10.8 | 105 | 0.00 |
| 20 | T | Methylene Chloride | 0.586 | 0.524 | 10.6 | 107 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.577 | 0.499 | 13.5 | 104 | 0.00 |
| 22 | T | Diisopropyl ether | 1.738 | 1.598 | 8.1 | 108 | 0.00 |
| 23 | T | Vinyl Acetate | 1.389 | 1.285 | 7.5 | 107 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.051 | 0.916 | 12.8 | 105 | 0.00 |
| 25 | T | 2-Butanone | 0.304 | 0.257 | 15.5 | 102 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.949 | 0.742 | 21.8 | 95 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.673 | 0.594 | 11.7 | 106 | 0.00 |
| 28 | T | Bromochloromethane | 0.436 | 0.446 | -2.3 | 113 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.182 | 0.164 | 9.9 | 107 | 0.00 |
| 30 | C | Chloroform | 1.123 | 0.970 | 13.6# | 104 | 0.00 |
| 31 | T | Cyclohexane | 0.870 | 0.750 | 13.8 | 102 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.035 | 0.882 | 14.8 | 102 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.701 | 0.653 | 6.8 | 107 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.341 | 0.312 | 8.5 | 111 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.485 | 0.383 | 21.0 | 104 | 0.00 |
| 37 | T | Ethyl Acetate | 0.402 | 0.323 | 19.7 | 104 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.599 | 0.454 | 24.2 | 97 | 0.00 |
| 39 | T | Methylcyclohexane | 0.573 | 0.450 | 21.5 | 98 | 0.00 |
| 40 | TM | Benzene | 1.409 | 1.178 | 16.4 | 107 | 0.00 |
| 41 | T | Methacrylonitrile | 0.211 | 0.180 | 14.7 | 104 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.520 | 0.431 | 17.1 | 102 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.661 | 0.560 | 15.3 | 104 | 0.00 |
| 44 | TM | Trichloroethene | 0.372 | 0.306 | 17.7 | 103 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.335 | 0.289 | 13.7# | 106 | 0.00 |
| 46 | T | Dibromomethane | 0.261 | 0.221 | 15.3 | 105 | 0.00 |
| 47 | T | Bromodichloromethane | 0.563 | 0.468 | 16.9 | 102 | 0.00 |
| 48 | T | Methyl methacrylate | 0.333 | 0.284 | 14.7 | 104 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 0.004 | 0.0 | 95 | 0.00 |
| 50 | S | Toluene-d8 | 1.196 | 1.070 | 10.5 | 106 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.381 | 0.326 | 14.4 | 102 | 0.00 |
| 52 | CM | Toluene | 0.895 | 0.741 | 17.2# | 101 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.543 | 0.460 | 15.3 | 100 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.586 | 0.492 | 16.0 | 101 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.333 | 0.282 | 15.3 | 104 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.487 | 0.433 | 11.1 | 104 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.568 | 0.485 | 14.6 | 104 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.232 | 0.224 | 3.4 | 101 | 0.00 |
| 59 | T | 2-Hexanone | 0.266 | 0.224 | 15.8 | 99 | 0.00 |
| 60 | T | Dibromochloromethane | 0.447 | 0.366 | 18.1 | 101 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.355 | 0.301 | 15.2 | 104 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.455 | 0.424 | 6.8 | 113 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 64 | T | Tetrachloroethene | 0.373 | 0.280 | 24.9 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 1.125 | 0.895 | 20.4 | 103 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.413 | 0.328 | 20.6 | 101 | 0.00 |
| 67 | C | Ethyl Benzene | 1.915 | 1.531 | 20.1# | 101 | 0.00 |
| 68 | T | m/p-Xylenes | 0.712 | 0.582 | 18.3 | 102 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.558 | 18.8 | 101 | 0.00 |
| 70 | T | Styrene | 1.170 | 0.976 | 16.6 | 103 | 0.00 |
| 71 | P | Bromoform | 0.330 | 0.259 | 21.5 | 101 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 73 | T | Isopropylbenzene | 3.652 | 2.868 | 21.5 | 101 | 0.00 |
| 74 | T | N-amyl acetate | 1.295 | 1.088 | 16.0 | 105 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.997 | 0.804 | 19.4 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.811 | 0.730 | 10.0 | 120 | 0.00 |
| 77 | T | Bromobenzene | 0.916 | 0.735 | 19.8 | 103 | 0.00 |
| 78 | T | n-propylbenzene | 4.228 | 3.363 | 20.5 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.564 | 2.039 | 20.5 | 103 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.022 | 2.396 | 20.7 | 101 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.333 | 0.258 | 22.5 | 98 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.043 | 2.414 | 20.7 | 101 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.105 | 2.455 | 20.9 | 102 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.016 | 2.425 | 19.6 | 102 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.736 | 2.881 | 22.9 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.229 | 2.467 | 23.6 | 100 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.726 | 1.338 | 22.5 | 104 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.788 | 1.344 | 24.8 | 103 | 0.00 |
| 89 | T | n-Butylbenzene | 2.939 | 2.180 | 25.8# | 100 | 0.00 |
| 90 | T | Hexachloroethane | 0.638 | 0.464 | 27.3# | 98 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.621 | 1.253 | 22.7 | 101 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.202 | 0.163 | 19.3 | 101 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.096 | 0.800 | 27.0# | 101 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.507 | 0.290 | 42.8# | 94 | 0.00 |
| 95 | T | Naphthalene | 2.904 | 2.341 | 19.4 | 102 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 1.006 | 0.753 | 25.1# | 100 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 112 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 37.949 | 24.1 | 91 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 39.799 | 20.4 | 95 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 41.136 | 17.7# | 98 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 42.601 | 14.8 | 102 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 43.378 | 13.2 | 103 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 40.982 | 18.0 | 97 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 44.968 | 10.1 | 109 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 40.443 | 19.1 | 98 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 44.441 | 11.1 | 102 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 195.385 | 21.8 | 99 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 41.727 | 16.5# | 101 | 0.00 |
| 13 | T | Acrolein | 250.000 | 214.491 | 14.2 | 105 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 42.467 | 15.1 | 103 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 223.753 | 10.5 | 105 | 0.00 |
| 16 | T | Acetone | 250.000 | 175.130 | 29.9# | 93 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 38.329 | 23.3 | 99 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 45.112 | 9.8 | 109 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 44.595 | 10.8 | 105 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 44.720 | 10.6 | 107 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 43.228 | 13.5 | 104 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 45.952 | 8.1 | 108 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 231.296 | 7.5 | 107 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 43.578 | 12.8 | 105 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 210.709 | 15.7 | 102 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 39.096 | 21.8 | 95 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 44.159 | 11.7 | 106 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 51.151 | -2.3 | 113 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 224.351 | 10.3 | 107 | 0.00 |
| 30 | C | Chloroform | 50.000 | 43.198 | 13.6# | 104 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 43.114 | 13.8 | 102 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 42.592 | 14.8 | 102 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.542 | 6.9 | 107 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 118 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 45.636 | 8.7 | 111 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 39.469 | 21.1 | 104 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 40.173 | 19.7 | 104 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 37.895 | 24.2 | 97 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 39.300 | 21.4 | 98 | 0.00 |
| 40 | TM | Benzene | 50.000 | 41.821 | 16.4 | 107 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 42.726 | 14.5 | 104 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 41.460 | 17.1 | 102 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 42.401 | 15.2 | 104 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 41.075 | 17.8 | 103 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 43.200 | 13.6# | 106 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 42.277 | 15.4 | 105 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 41.521 | 17.0 | 102 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 42.595 | 14.8 | 104 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 807.374 | 19.3 | 95 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 44.713 | 10.6 | 106 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 213.772 | 14.5 | 102 | 0.00 |
| 52 | CM | Toluene | 50.000 | 41.403 | 17.2# | 101 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 42.344 | 15.3 | 100 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 41.966 | 16.1 | 101 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 42.431 | 15.1 | 104 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 44.462 | 11.1 | 104 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 42.655 | 14.7 | 104 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 213.796 | 14.5 | 101 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 211.078 | 15.6 | 99 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 40.872 | 18.3 | 101 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 42.360 | 15.3 | 104 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 46.587 | 6.8 | 113 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 121 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 37.463 | 25.1# | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 39.787 | 20.4 | 103 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 39.651 | 20.7 | 101 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 39.962 | 20.1# | 101 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 81.737 | 18.3 | 102 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 40.619 | 18.8 | 101 | 0.00 |
| 70 | T | Styrene | 50.000 | 41.732 | 16.5 | 103 | 0.00 |
| 71 | P | Bromoform | 50.000 | 39.184 | 21.6 | 101 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 121 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 39.266 | 21.5 | 101 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 41.983 | 16.0 | 105 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 40.326 | 19.3 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 44.991 | 10.0 | 120 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 40.142 | 19.7 | 103 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 39.766 | 20.5 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 39.772 | 20.5 | 103 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 39.638 | 20.7 | 101 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 38.739 | 22.5 | 98 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 39.656 | 20.7 | 101 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 39.532 | 20.9 | 102 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 40.199 | 19.6 | 102 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 38.565 | 22.9 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 38.201 | 23.6 | 100 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 38.747 | 22.5 | 104 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 37.584 | 24.8 | 103 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 37.088 | 25.8# | 100 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 36.415 | 27.2# | 98 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 38.670 | 22.7 | 101 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 40.157 | 19.7 | 101 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 36.492 | 27.0# | 101 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 35.315 | 29.4# | 94 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 40.307 | 19.4 | 102 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 37.421 | 25.2# 100 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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.: Q3371

Instrument ID: MSVOA_X | Calibration Date/Time: 10/21/2025 08:43

Lab File ID: VX048252.D | Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 10:59 13:49

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.514 | 0.496 | | -3.5 | 20 |
| Chloromethane | 0.480 | 0.468 | 0.1 | -2.5 | 20 |
| Vinyl Chloride | 0.444 | 0.448 | | 0.9 | 20 |
| Bromomethane | 0.302 | 0.299 | | -0.99 | 20 |
| Chloroethane | 0.261 | 0.261 | | 0 | 20 |
| Trichlorofluoromethane | 0.852 | 0.813 | | -4.58 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.540 | 0.513 | | -5 | 20 |
| 1,1-Dichloroethene | 0.525 | 0.498 | | -5.14 | 20 |
| Acetone | 0.240 | 0.230 | | -4.17 | 20 |
| Carbon Disulfide | 1.654 | 1.439 | | -13 | 20 |
| Methyl tert-butyl Ether | 1.791 | 1.576 | | -12 | 20 |
| Methyl Acetate | 0.502 | 0.411 | | -18.13 | 20 |
| Methylene Chloride | 0.586 | 0.556 | | -5.12 | 20 |
| trans-1,2-Dichloroethene | 0.577 | 0.538 | | -6.76 | 20 |
| 1,1-Dichloroethane | 1.051 | 0.952 | 0.1 | -9.42 | 20 |
| Cyclohexane | 0.870 | 0.788 | | -9.43 | 20 |
| 2-Butanone | 0.304 | 0.260 | | -14.47 | 20 |
| Carbon Tetrachloride | 0.599 | 0.533 | | -11.02 | 20 |
| cis-1,2-Dichloroethene | 0.673 | 0.610 | | -9.36 | 20 |
| Bromochloromethane | 0.436 | 0.435 | | -0.23 | 20 |
| Chloroform | 1.123 | 1.006 | | -10.42 | 20 |
| 1,1,1-Trichloroethane | 1.035 | 0.920 | | -11.11 | 20 |
| Methylcyclohexane | 0.573 | 0.510 | | -10.99 | 20 |
| Benzene | 1.409 | 1.280 | | -9.15 | 20 |
| 1,2-Dichloroethane | 0.520 | 0.466 | | -10.39 | 20 |
| Trichloroethene | 0.372 | 0.337 | | -9.41 | 20 |
| 1,2-Dichloropropane | 0.335 | 0.305 | | -8.95 | 20 |
| Bromodichloromethane | 0.563 | 0.510 | | -9.41 | 20 |
| 4-Methyl-2-Pentanone | 0.381 | 0.302 | | -20.74 | 20 |
| Toluene | 0.895 | 0.795 | | -11.17 | 20 |
| t-1,3-Dichloropropene | 0.543 | 0.493 | | -9.21 | 20 |
| cis-1,3-Dichloropropene | 0.586 | 0.529 | | -9.73 | 20 |
| 1,1,2-Trichloroethane | 0.333 | 0.291 | | -12.61 | 20 |
| 2-Hexanone | 0.266 | 0.227 | | -14.66 | 20 |
| Dibromochloromethane | 0.447 | 0.388 | | -13.2 | 20 |
| 1,2-Dibromoethane | 0.355 | 0.307 | | -13.52 | 20 |
| Tetrachloroethene | 0.373 | 0.325 | | -12.87 | 20 |
| Chlorobenzene | 1.125 | 1.025 | 0.3 | -8.89 | 20 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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.: Q3371

Instrument ID: MSVOA_X | Calibration Date/Time: 10/21/2025 08:43

Lab File ID: VX048252.D | Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 10:59 13:49

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.915 | 1.738 | | -9.24 | 20 |
| m/p-Xylenes | 0.712 | 0.666 | | -6.46 | 20 |
| o-Xylene | 0.687 | 0.625 | | -9.02 | 20 |
| Styrene | 1.170 | 1.107 | | -5.39 | 20 |
| Bromoform | 0.330 | 0.283 | 0.1 | -14.24 | 20 |
| Isopropylbenzene | 3.652 | 3.379 | | -7.47 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.997 | 0.857 | 0.3 | -14.04 | 20 |
| 1,3-Dichlorobenzene | 1.726 | 1.555 | | -9.91 | 20 |
| 1,4-Dichlorobenzene | 1.788 | 1.551 | | -13.26 | 20 |
| 1,2-Dichlorobenzene | 1.621 | 1.416 | | -12.65 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.202 | 0.163 | | -19.31 | 20 |
| 1,2,4-Trichlorobenzene | 1.096 | 0.885 | | -19.25 | 20 |
| 1,2,3-Trichlorobenzene | 1.006 | 0.834 | | -17.1 | 20 |
| 1,2-Dichloroethane-d4 | 0.701 | 0.658 | | -6.13 | 20 |
| Dibromofluoromethane | 0.341 | 0.340 | | -0.29 | 20 |
| Toluene-d8 | 1.196 | 1.150 | | -3.85 | 20 |
| 4-Bromofluorobenzene | 0.455 | 0.419 | | -7.91 | 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\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.531 | 168 | 144122 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.738 | 114 | 227103 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 197016 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 96991 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 94847 | 46.938 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 93.880% | | | |
| 35) Dibromofluoromethane | 5.361 | 113 | 77279 | 49.844 | ug/l | -0.01 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.680% | | | |
| 50) Toluene-d8 | 8.628 | 98 | 261228 | 48.070 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 96.140% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 95248 | 46.072 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 92.140% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 71433 | 48.214 | ug/l | 96 |
| 3) Chloromethane | 1.300 | 50 | 67413 | 48.746 | ug/l | 98 |
| 4) Vinyl Chloride | 1.380 | 62 | 64624 | 50.463 | ug/l | 99 |
| 5) Bromomethane | 1.617 | 94 | 43146 | 49.645 | ug/l | 97 |
| 6) Chloroethane | 1.697 | 64 | 37653 | 50.036 | ug/l | 90 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 117120 | 47.687 | ug/l | 99 |
| 8) Diethyl Ether | 2.129 | 74 | 32474 | 46.991 | ug/l | 90 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 73938 | 47.541 | ug/l | 96 |
| 10) Methyl Iodide | 2.453 | 142 | 89481 | 45.766 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.934 | 59 | 34686 | 172.886 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 71745 | 47.416 | ug/l | 88 |
| 13) Acrolein | 2.233 | 56 | 55830 | 272.848 | ug/l | 99 |
| 14) Allyl chloride | 2.666 | 41 | 114538 | 45.594 | ug/l | 97 |
| 15) Acrylonitrile | 3.050 | 53 | 152721 | 211.101 | ug/l | 99 |
| 16) Acetone | 2.367 | 43 | 166093 | 239.598 | ug/l | 95 |
| 17) Carbon Disulfide | 2.514 | 76 | 207386 | 43.489 | ug/l | 100 |
| 18) Methyl Acetate | 2.696 | 43 | 59246 | 40.924 | ug/l | 94 |
| 19) Methyl tert-butyl Ether | 3.099 | 73 | 227127 | 44.001 | ug/l | 97 |
| 20) Methylene Chloride | 2.788 | 84 | 80164 | 47.460 | ug/l | 92 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 77587 | 46.681 | ug/l | 97 |
| 22) Diisopropyl ether | 3.745 | 45 | 232684 | 46.439 | ug/l | 95 |
| 23) Vinyl Acetate | 3.708 | 43 | 904806 | 226.065 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 137234 | 45.296 | ug/l | 99 |
| 25) 2-Butanone | 4.531 | 43 | 187588 | 213.793 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.458 | 77 | 122921 | 44.950 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.471 | 96 | 87886 | 45.309 | ug/l | 98 |
| 28) Bromochloromethane | 4.879 | 49 | 62707 | 49.917 | ug/l | 86 |
| 29) Tetrahydrofuran | 4.983 | 42 | 100043 | 190.379 | ug/l | 93 |
| 30) Chloroform | 5.074 | 83 | 145033 | 44.807 | ug/l | 98 |
| 31) Cyclohexane | 5.452 | 56 | 113590 | 45.286 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.361 | 97 | 132637 | 44.462 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.672 | 75 | 97868 | 44.412 | ug/l | 100 |
| 37) Ethyl Acetate | 4.690 | 43 | 73825 | 40.418 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.659 | 117 | 120960 | 44.491 | ug/l | 96 |
| 39) Methylcyclohexane | 7.360 | 83 | 115804 | 44.497 | ug/l | 95 |
| 40) Benzene | 6.013 | 78 | 290616 | 45.424 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.891 | 41 | 40965 | 42.707 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.062 | 62 | 105747 | 44.791 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.318 | 43 | 122589 | 40.859 | ug/l | | 95 |
| 44) Trichloroethene | 7.104 | 130 | 76506 | 45.286 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 69342 | 45.586 | ug/l | | 100 |
| 46) Dibromomethane | 7.561 | 93 | 52913 | 44.649 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.799 | 83 | 115823 | 45.265 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.671 | 41 | 62073 | 41.000 | ug/l | | 94 |
| 49) 1,4-Dioxane | 7.641 | 88 | 15658 | 782.834 | ug/l | | 92 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 343412 | 198.518 | ug/l | | 95 |
| 52) Toluene | 8.701 | 92 | 180638 | 44.443 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.957 | 75 | 111868 | 45.367 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 120247 | 45.199 | ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 66141 | 43.758 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.098 | 69 | 94033 | 42.533 | ug/l | | 94 |
| 57) 1,3-Dichloropropane | 9.287 | 76 | 112894 | 43.726 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.220 | 63 | 253467 | 213.469 | ug/l | | 95 |
| 59) 2-Hexanone | 9.409 | 43 | 257988 | 213.881 | ug/l | | 95 |
| 60) Dibromochloromethane | 9.500 | 129 | 88005 | 43.319 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 69657 | 43.228 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.256 | 164 | 64080 | 43.569 | ug/l | | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 201952 | 45.568 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.140 | 131 | 73602 | 45.215 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 342357 | 45.371 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.280 | 106 | 262482 | 93.624 | ug/l | | 98 |
| 69) o-Xylene | 10.622 | 106 | 123116 | 45.486 | ug/l | | 98 |
| 70) Styrene | 10.634 | 104 | 218038 | 47.309 | ug/l | | 100 |
| 71) Bromoform | 10.780 | 173 | 55833 | 42.915 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 327700 | 46.258 | ug/l | | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 104260 | 41.490 | ug/l | | 94 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 83168 | 42.990 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 69389m | 44.116 | ug/l | | |
| 77) Bromobenzene | 11.177 | 156 | 80981 | 45.589 | ug/l | | 94 |
| 78) n-propylbenzene | 11.286 | 91 | 383372 | 46.739 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 226051 | 45.456 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 270132 | 46.077 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 27826 | 43.041 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 271398 | 45.973 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.695 | 119 | 269543 | 44.748 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 270636 | 46.257 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 324459 | 44.772 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.987 | 119 | 278806 | 44.510 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 150857 | 45.050 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 150468 | 43.374 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.311 | 91 | 246692 | 43.269 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 53716 | 43.425 | ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 137387 | 43.698 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 15819 | 40.283 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.566 | 180 | 85831 | 40.369 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 32869 | 41.267 | ug/l | | 99 |
| 95) Naphthalene | 13.755 | 128 | 233946 | 41.531 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 80863 | 41.446 | ug/l | | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

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

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

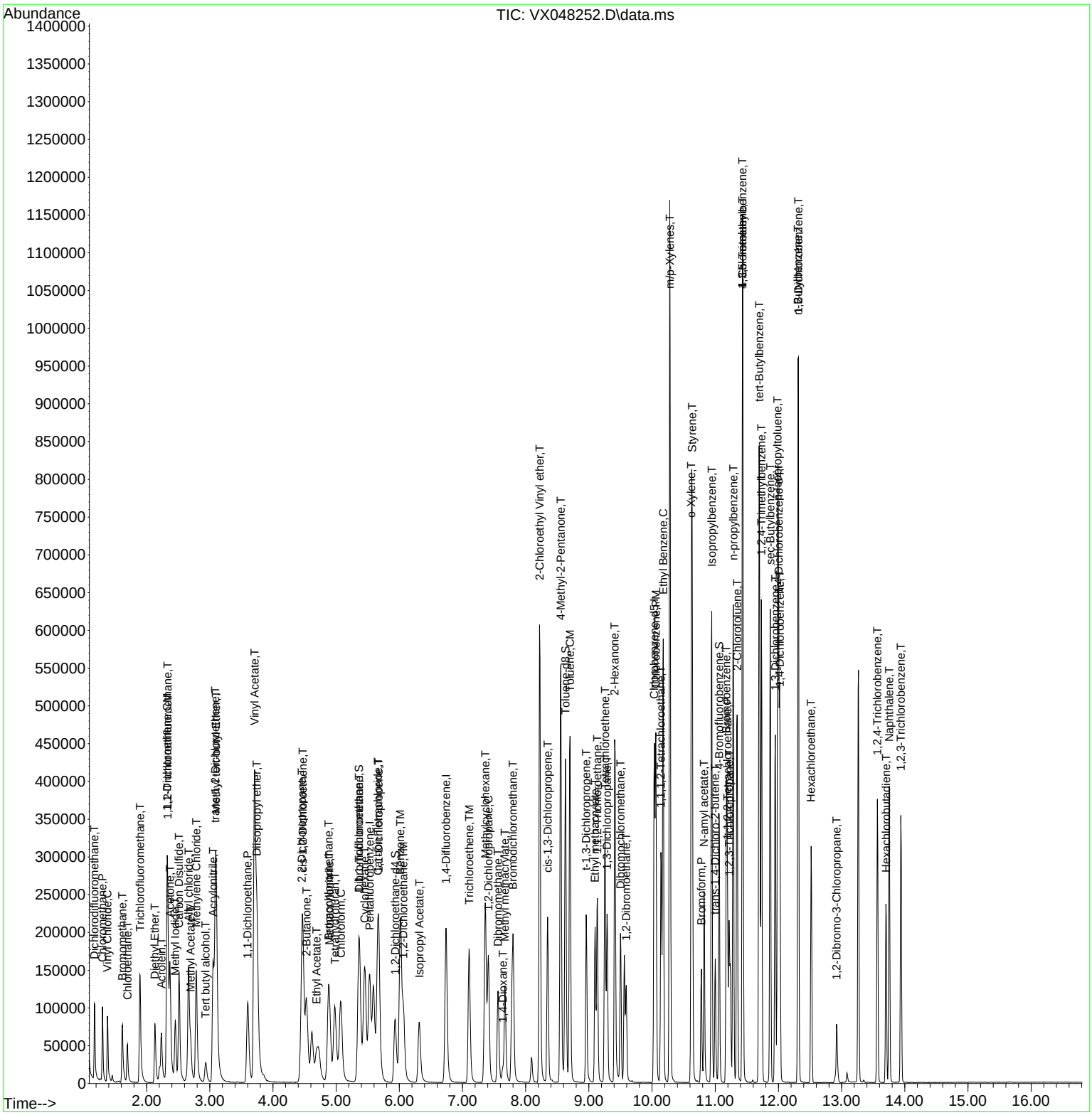
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

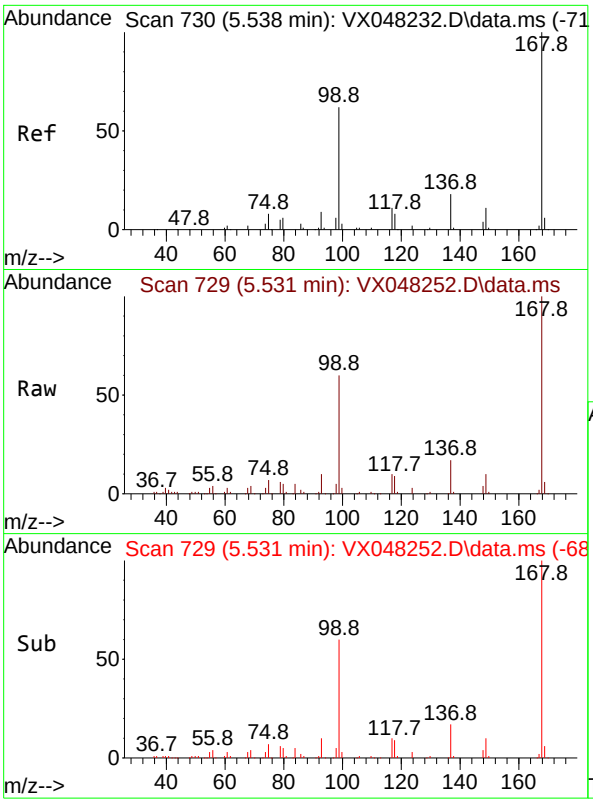
Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

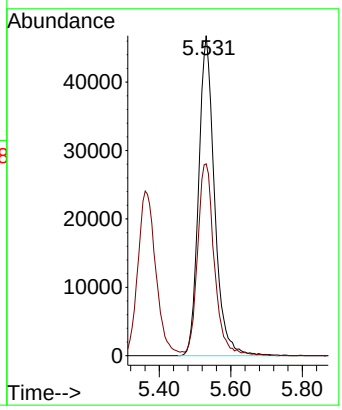





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:168 Resp: 14412

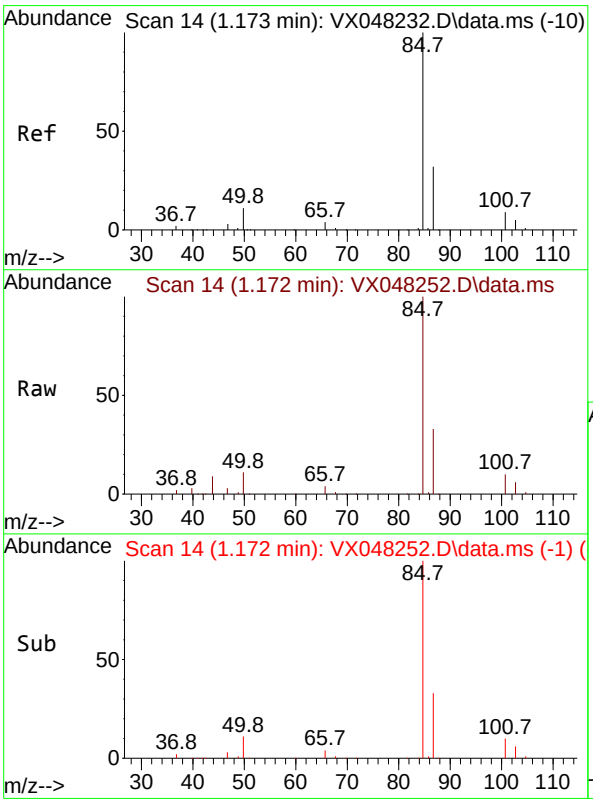
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.8 | 46.4 | 69.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

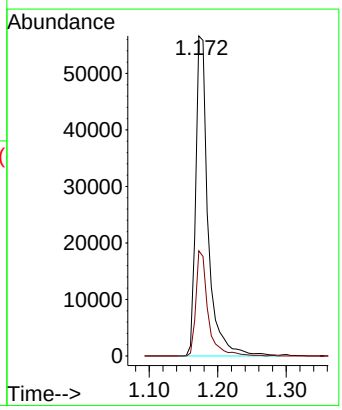
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

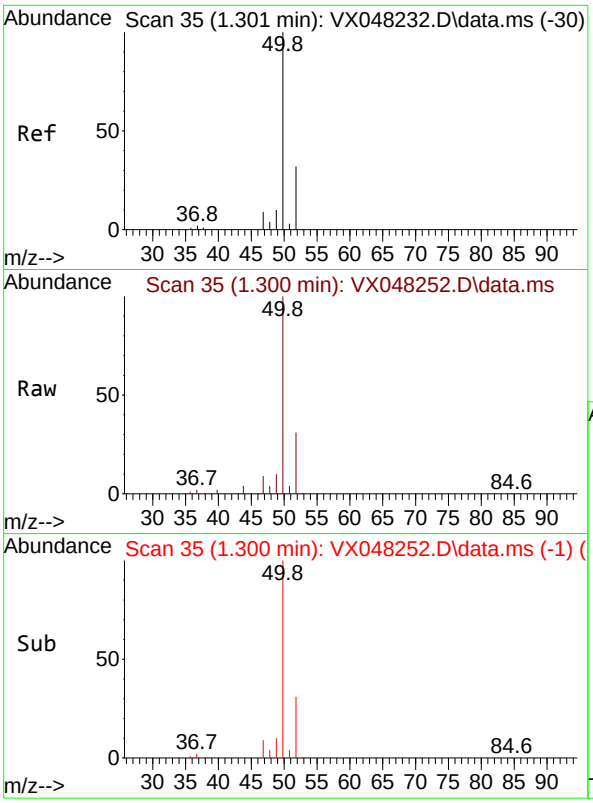



#2
Dichlorodifluoromethane
Concen: 48.214 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 85 Resp: 71433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.9 | 15.3 | 45.9 |

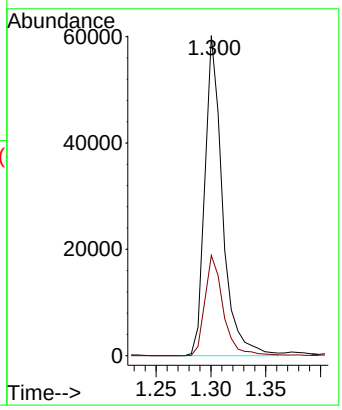





#3
Chloromethane
Concen: 48.746 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 50 Resp: 6741

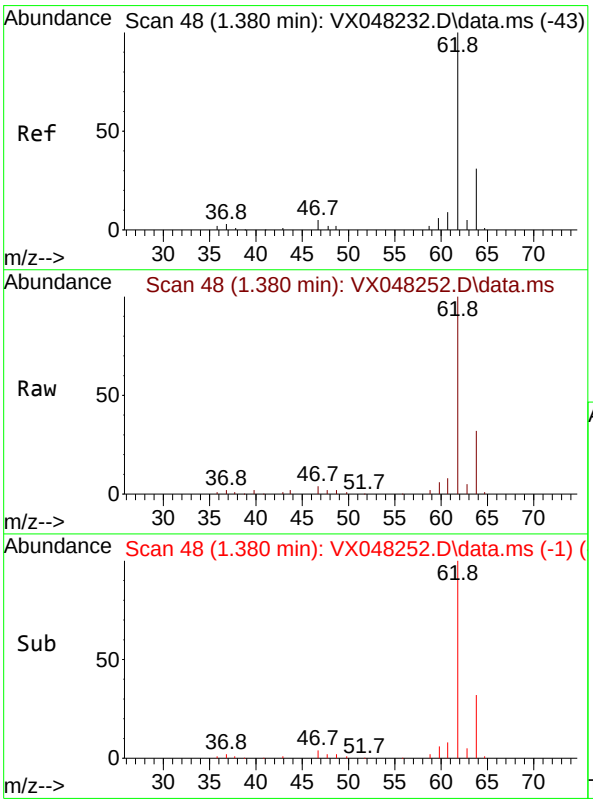
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.3 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

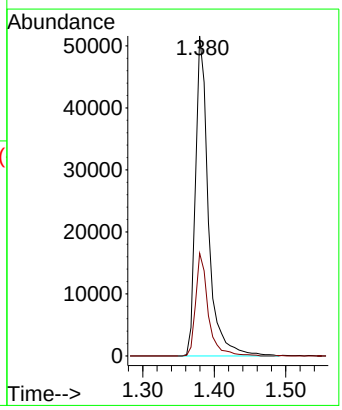
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

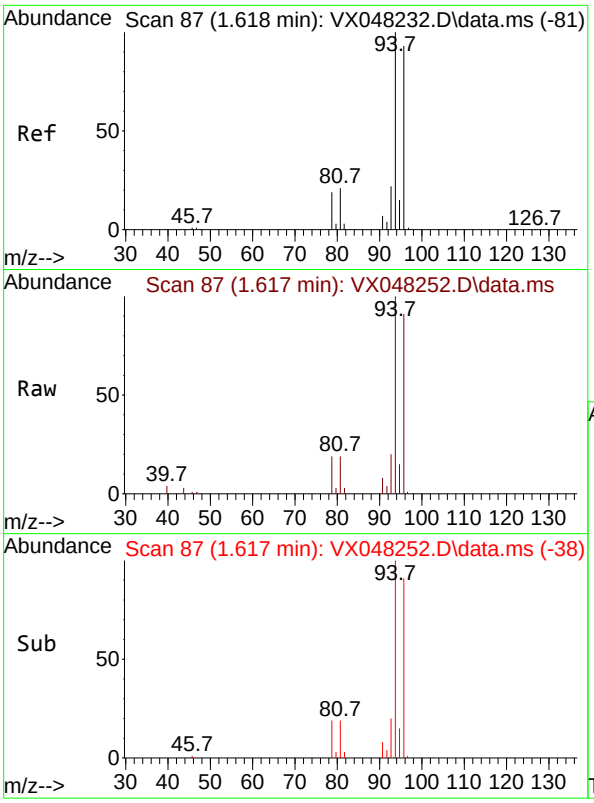



#4
Vinyl Chloride
Concen: 50.463 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 62 Resp: 64624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 25.1 | 37.7 |

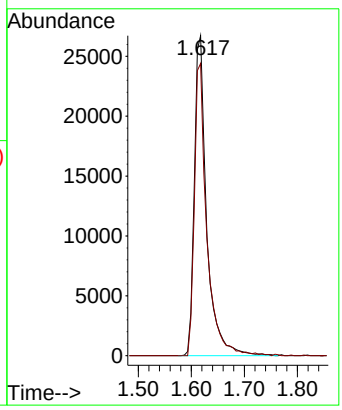





#5
Bromomethane
Concen: 49.645 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 94 Resp: 4314

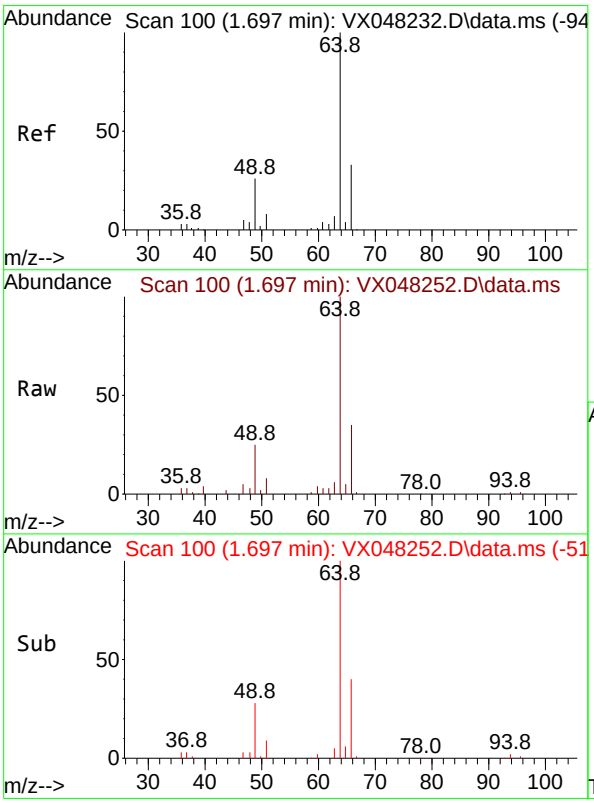
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.1 | 76.0 | 114.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

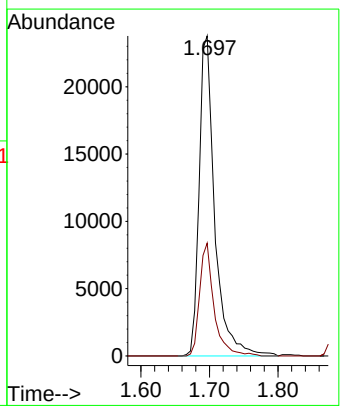
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

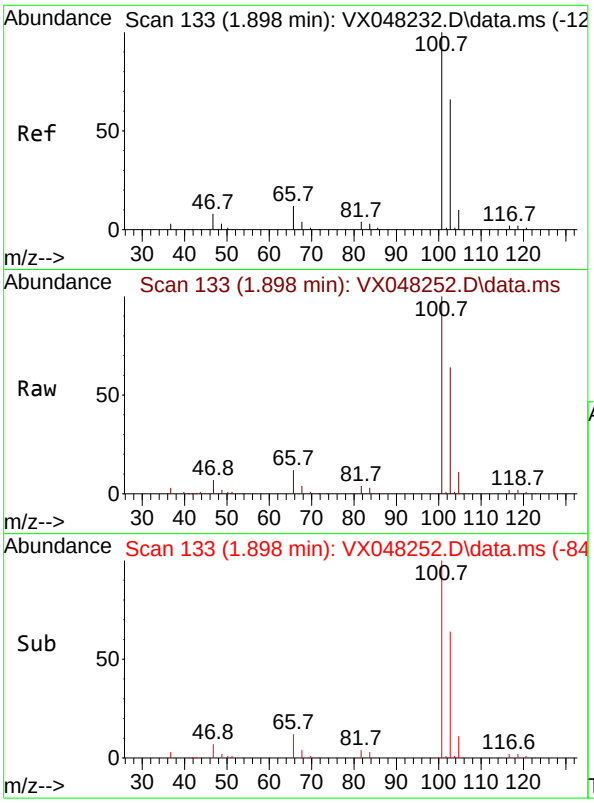



#6
Chloroethane
Concen: 50.036 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 64 Resp: 37653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.2 | 23.9 | 35.9 |

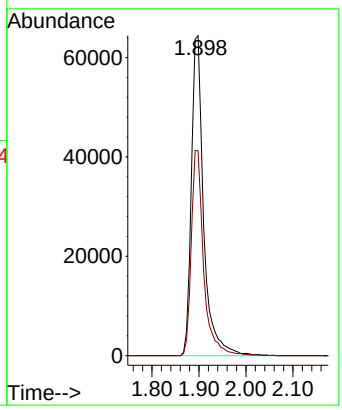





#7
Trichlorofluoromethane
Concen: 47.687 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:101 Resp: 11712

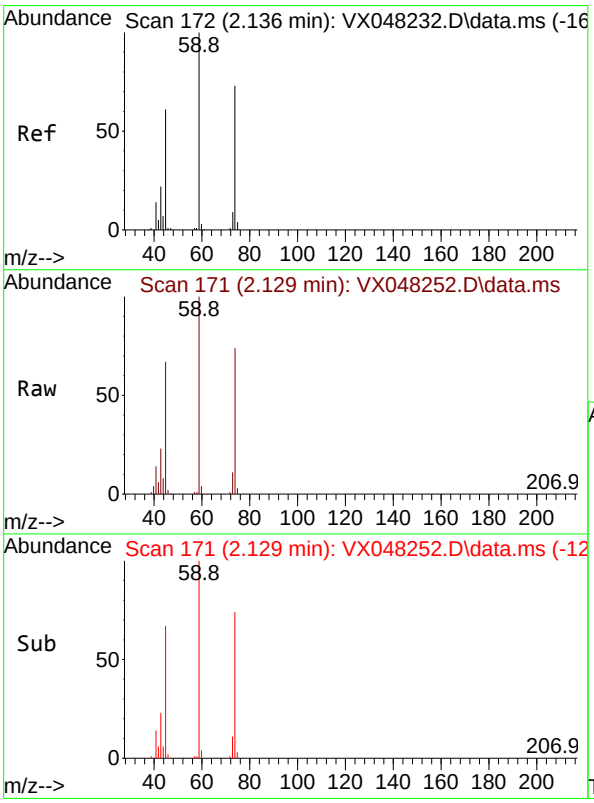
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.1 | 51.6 | 77.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

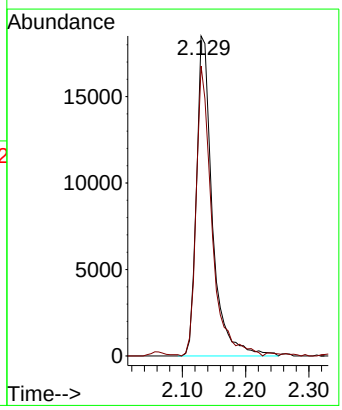
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

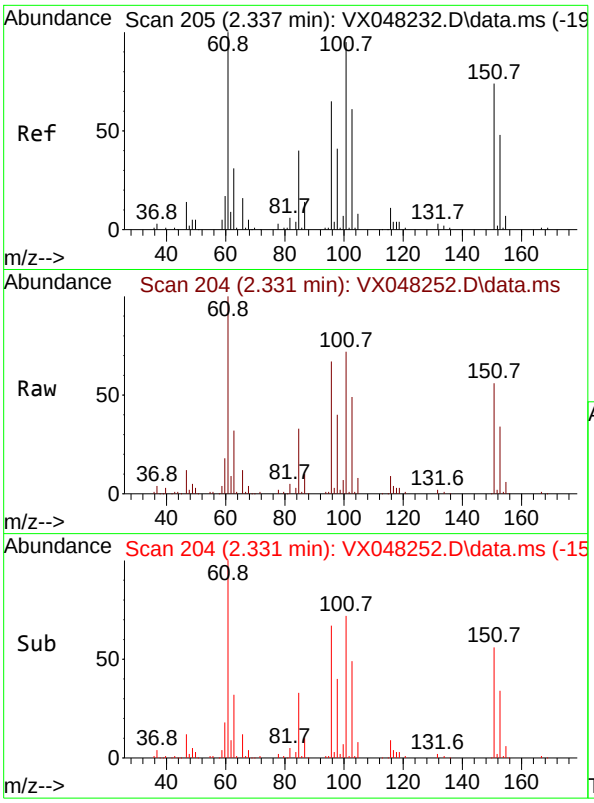



#8
Diethyl Ether
Concen: 46.991 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 74 Resp: 32474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 89.4 | 50.0 | 149.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.541 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

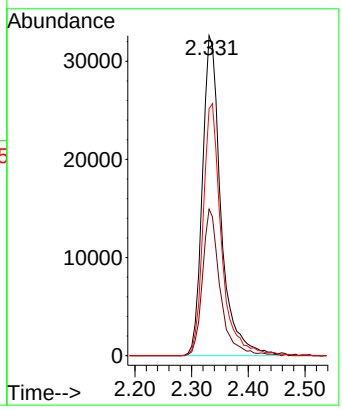
Tgt Ion:101 Resp: 7393

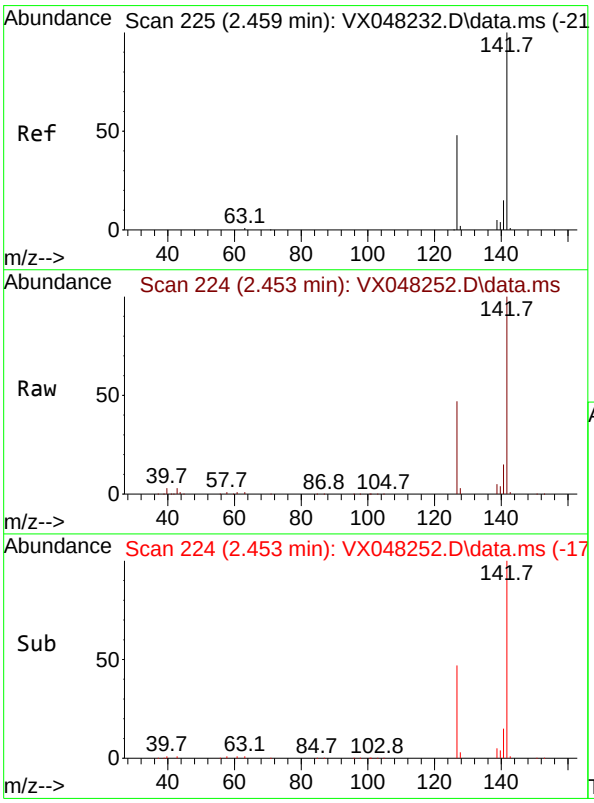
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.8 | 35.6 | 53.4 |
| 151 | 77.9 | 58.0 | 87.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

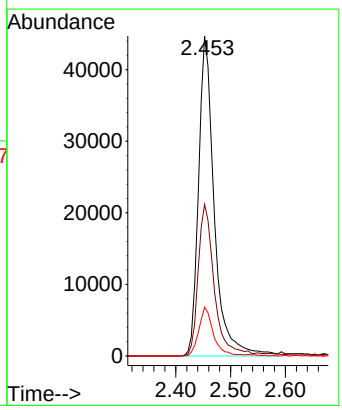


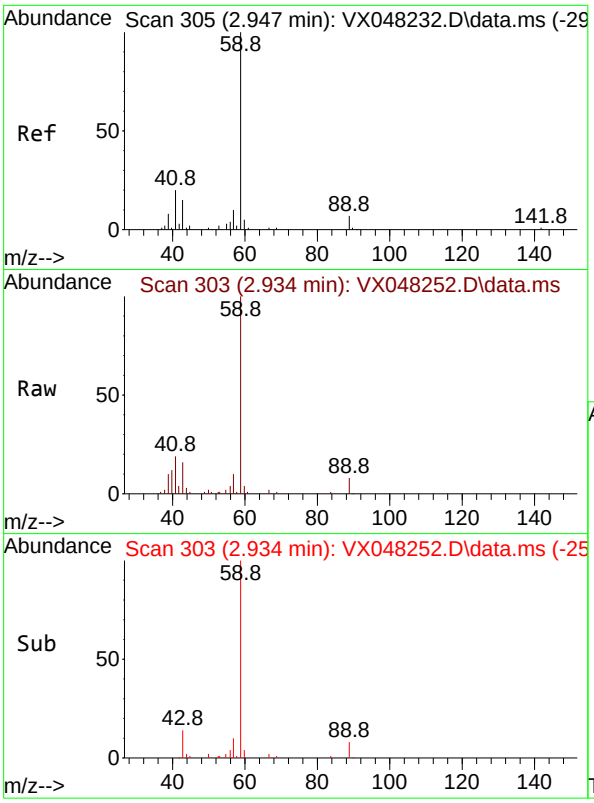




#10
Methyl Iodide
Concen: 45.766 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:142 Resp: 89481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.1 | 38.5 | 57.7 |
| 141 | 14.1 | 11.6 | 17.4 |

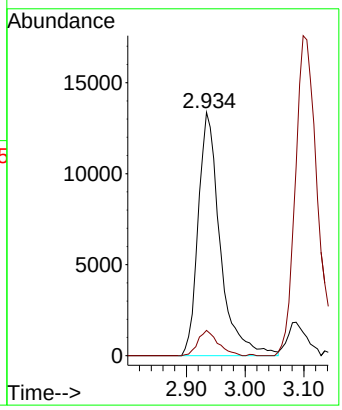





#11
Tert butyl alcohol
Concen: 172.886 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 59 Resp: 3468

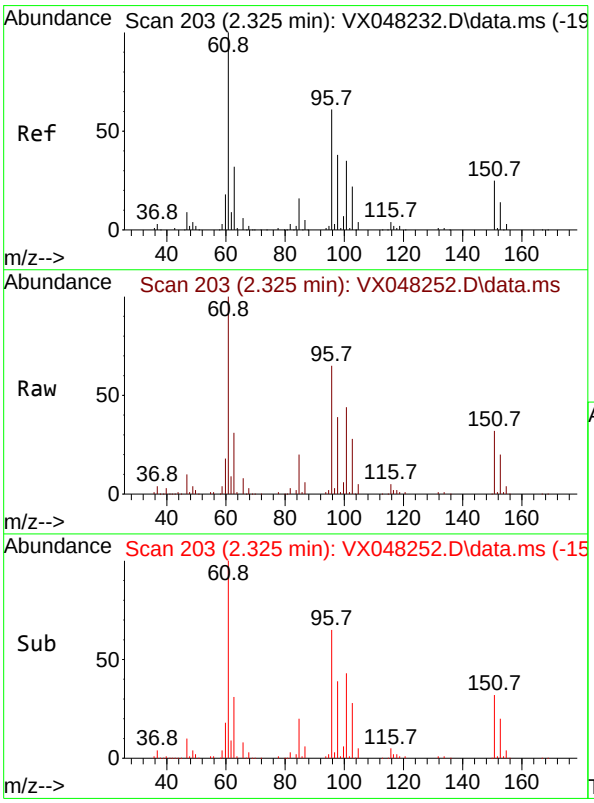
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.6 | 8.2 | 12.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

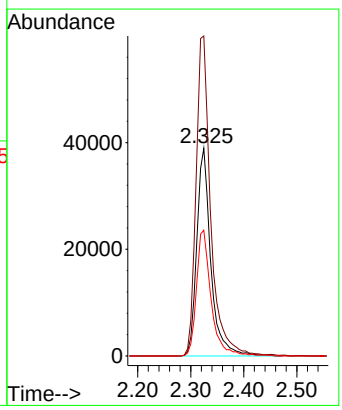
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

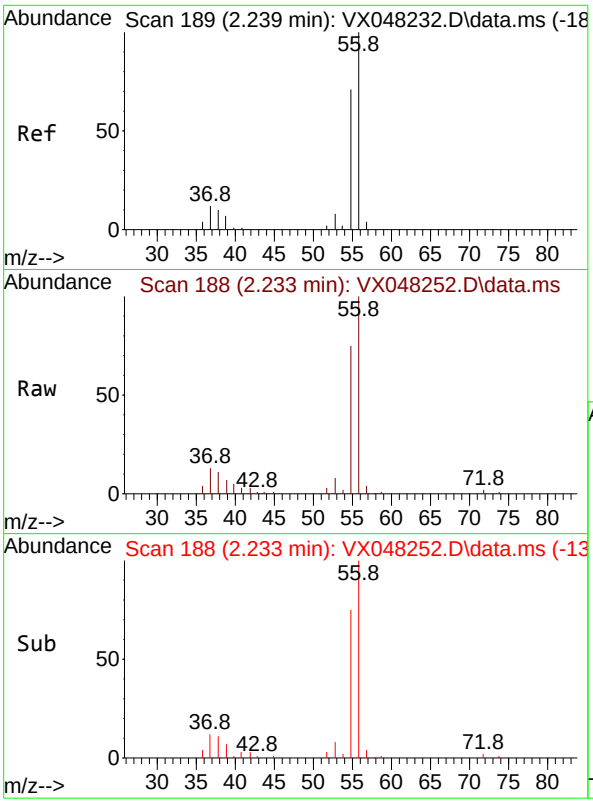



#12
1,1-Dichloroethene
Concen: 47.416 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 96 Resp: 71745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.0 | 139.0 | 208.6 |
| 98 | 60.6 | 52.4 | 78.6 |

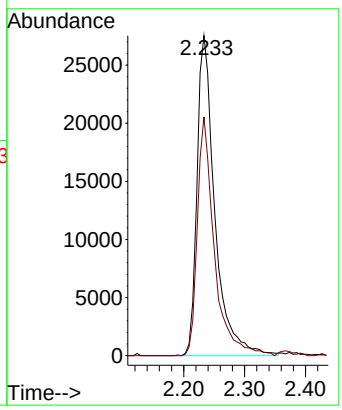





#13
Acrolein
Concen: 272.848 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 56 Resp: 5583

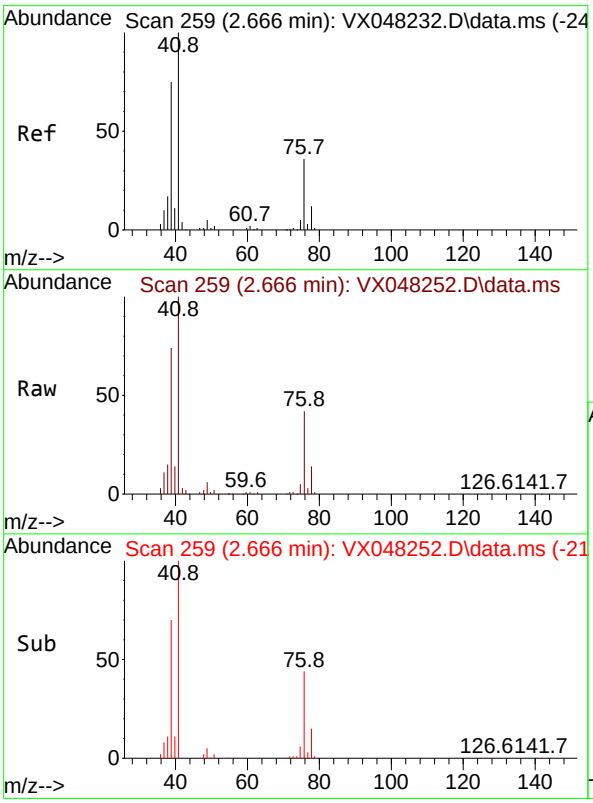
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.1 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

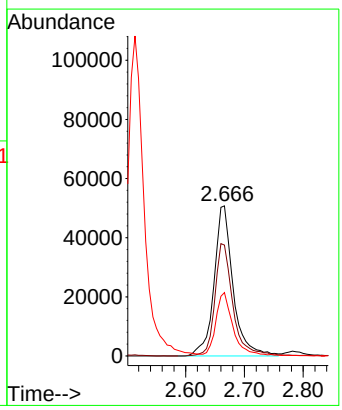
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

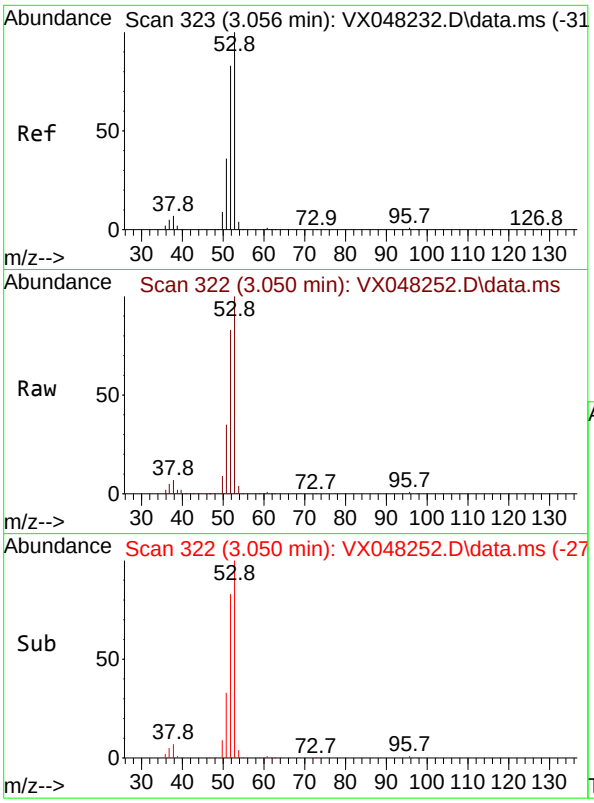



#14
Allyl chloride
Concen: 45.594 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 41 Resp: 114538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.0 | 56.0 | 84.0 |
| 76 | 38.7 | 27.5 | 41.3 |






#15
Acrylonitrile
Concen: 211.101 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

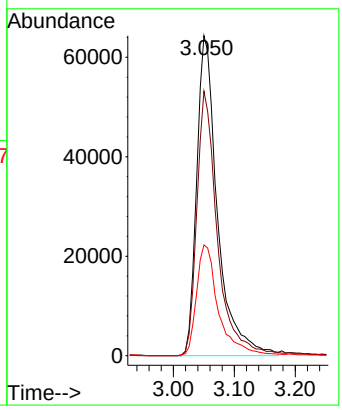
Tgt Ion: 53 Resp: 15272

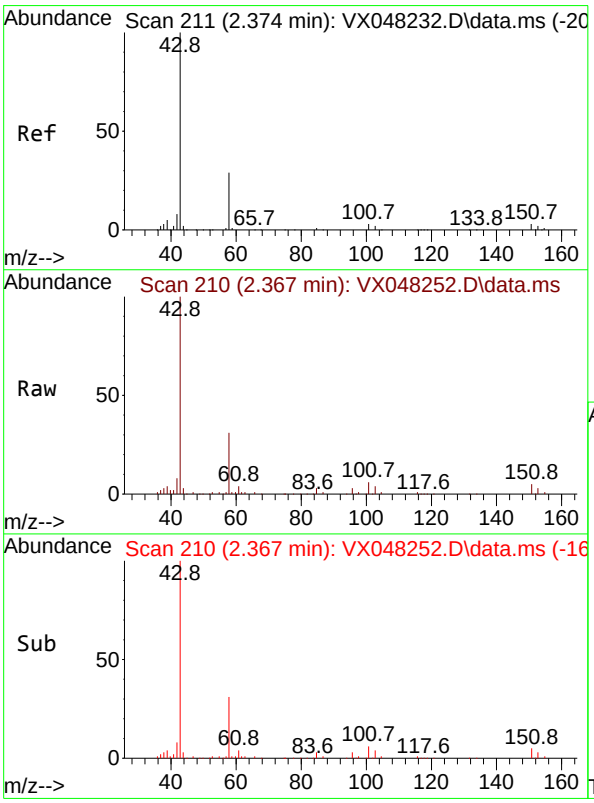
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.1 | 66.1 | 99.1 |
| 51 | 36.7 | 29.0 | 43.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Supervised By :Mahesh Dadoda 10/24/2025

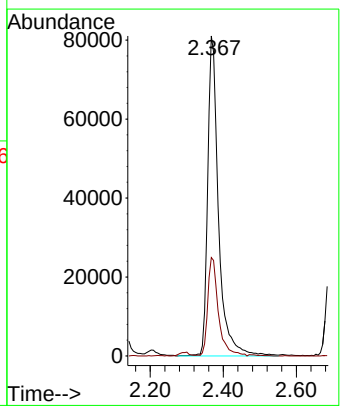


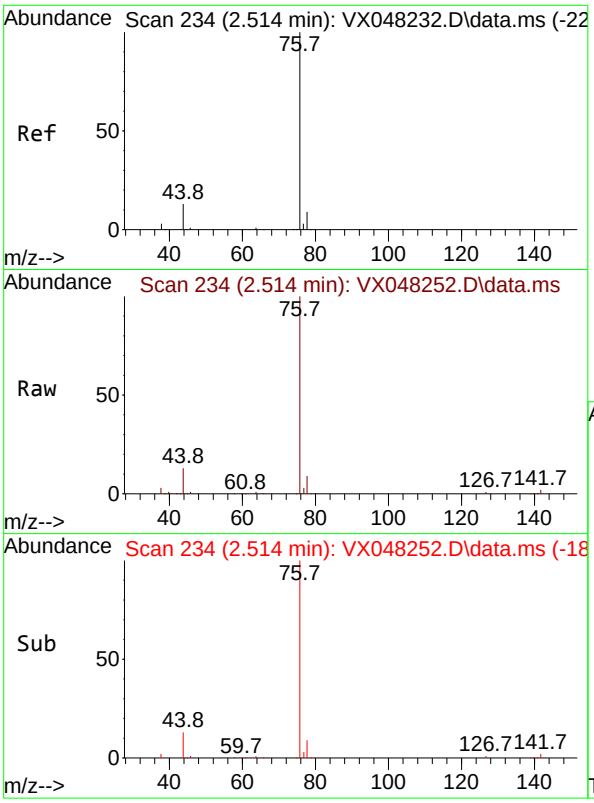




#16
Acetone
Concen: 239.598 ug/l
RT: 2.367 min Scan# 210
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 43 Resp: 166093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.1 | 23.4 | 35.2 |

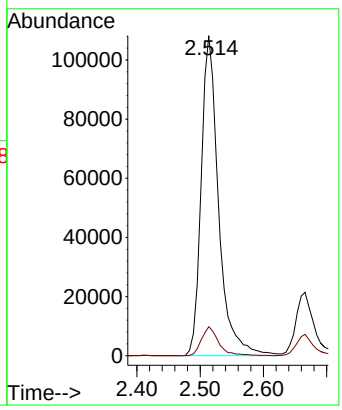





#17
Carbon Disulfide
Concen: 43.489 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 76 Resp: 20738

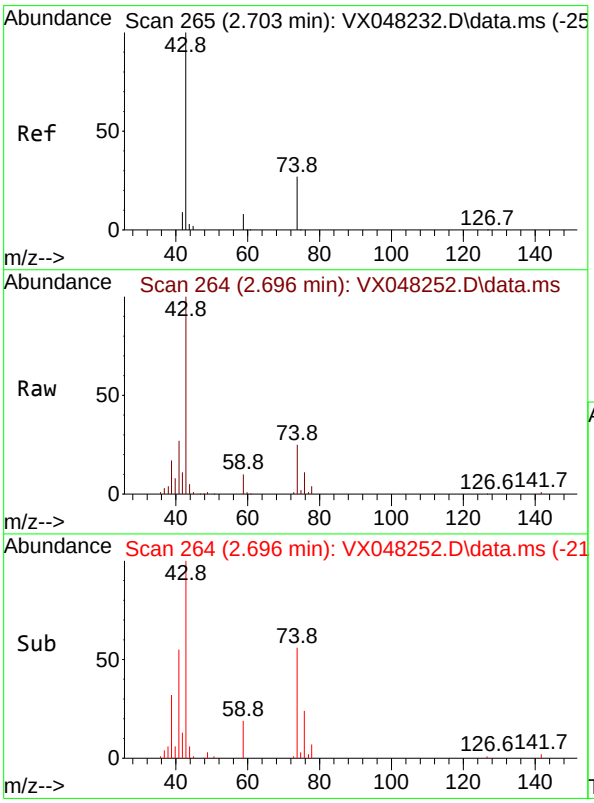
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.1 | 10.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

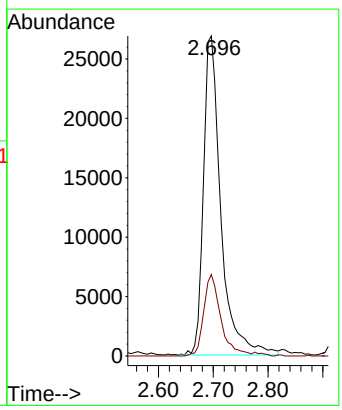
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

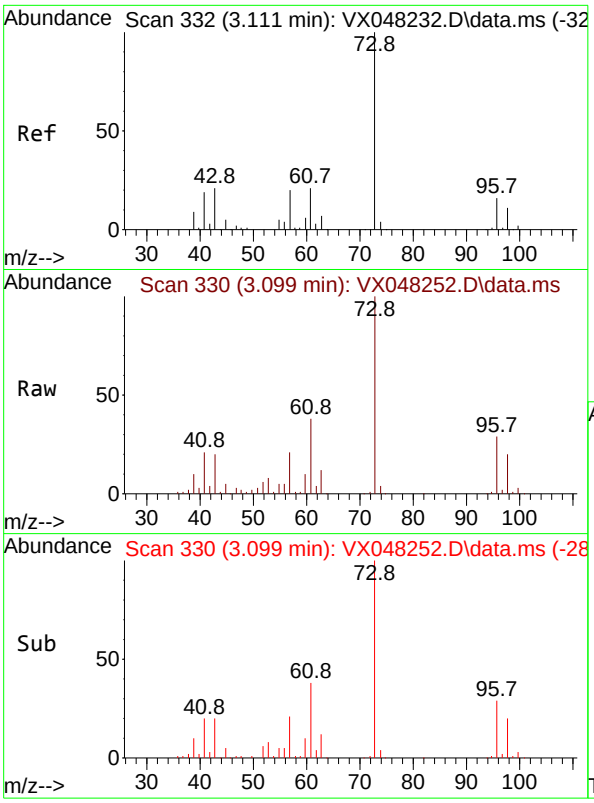



#18
Methyl Acetate
Concen: 40.924 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 43 Resp: 59246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.9 | 17.5 | 26.3 |

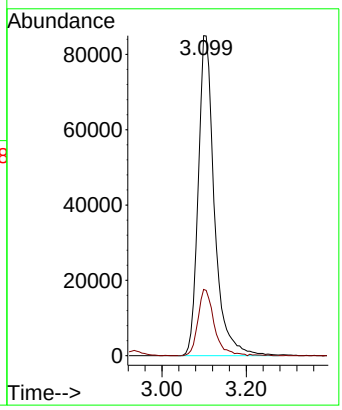





#19
Methyl tert-butyl Ether
Concen: 44.001 ug/l
RT: 3.099 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 73 Resp: 22712

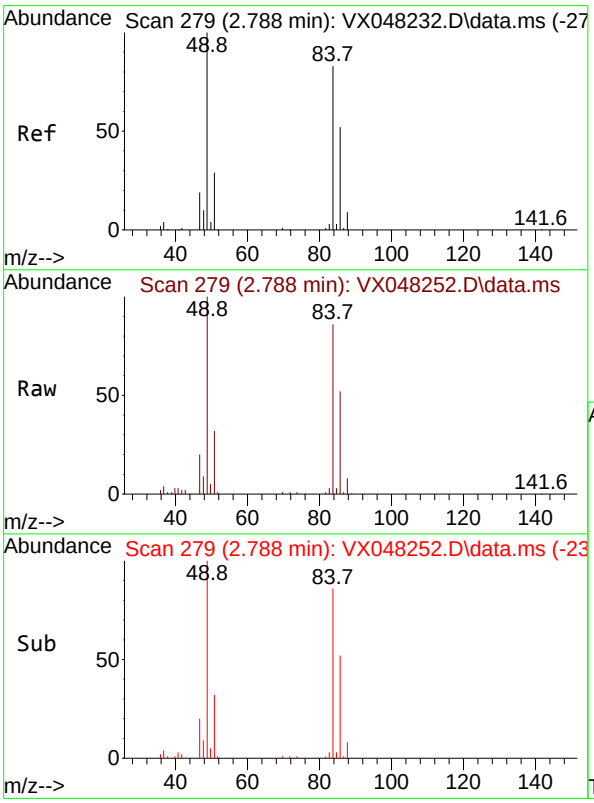
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.7 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

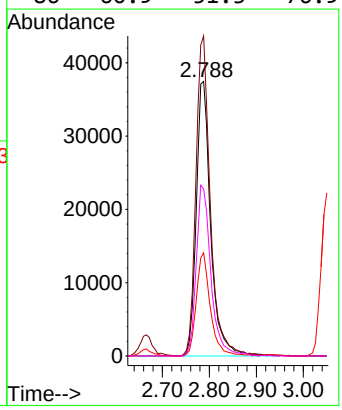
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

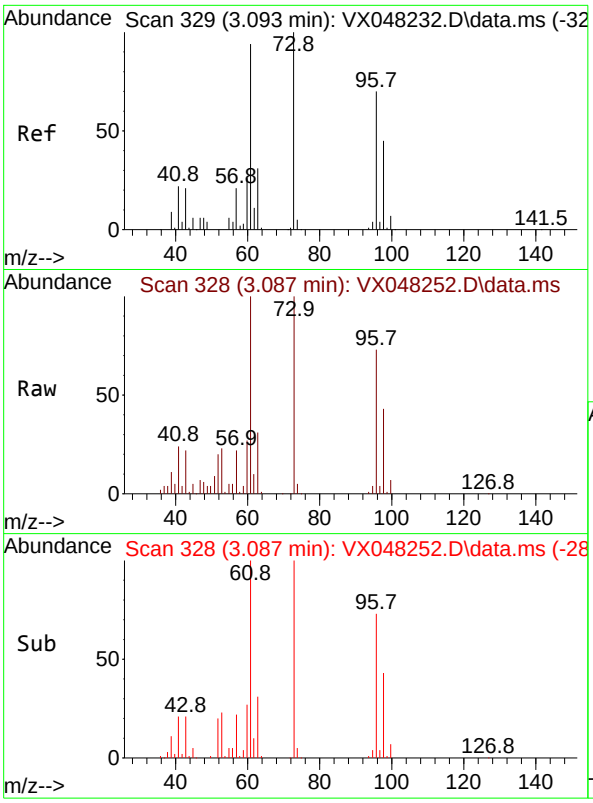



#20
Methylene Chloride
Concen: 47.460 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 84 Resp: 80164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 116.6 | 104.1 | 156.1 |
| 51 | 37.6 | 31.3 | 46.9 |
| 86 | 60.9 | 51.3 | 76.9 |

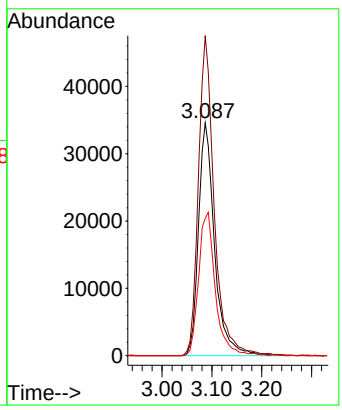





#21
trans-1,2-Dichloroethene
Concen: 46.681 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 96 Resp: 7758

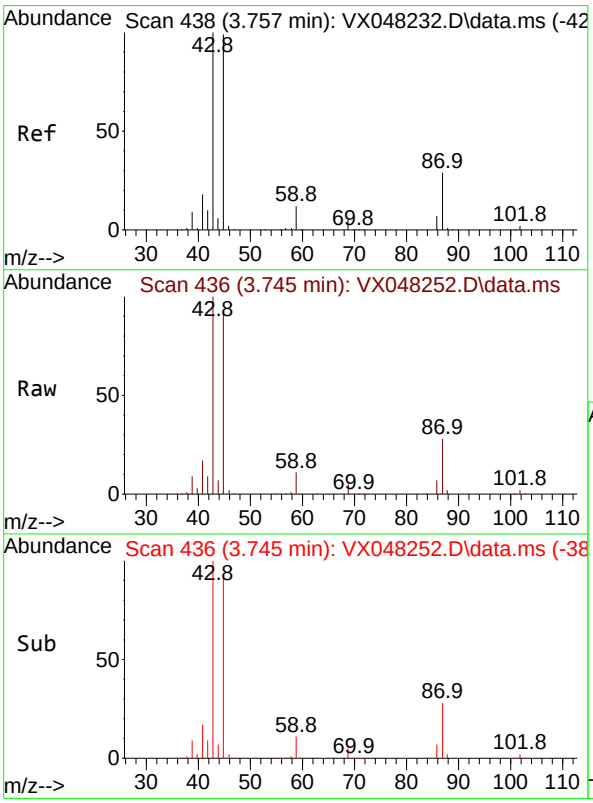
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.4 | 111.9 | 167.9 |
| 98 | 59.0 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

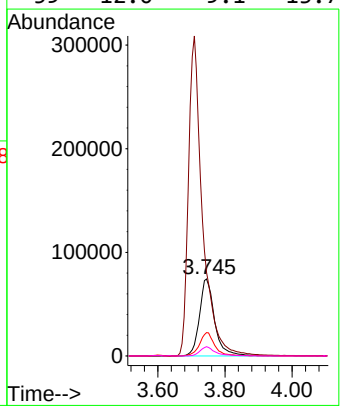
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

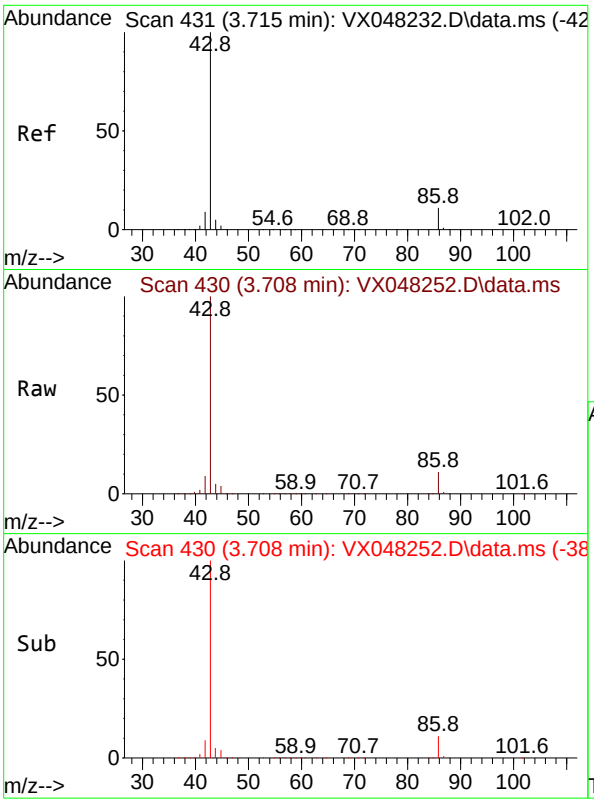



#22
Diisopropyl ether
Concen: 46.439 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 45 Resp: 232684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 107.9 | 89.8 | 134.8 |
| 87 | 30.2 | 20.6 | 31.0 |
| 59 | 12.0 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 226.065 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

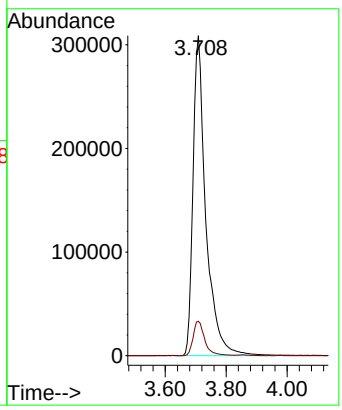
Tgt Ion: 43 Resp: 90480

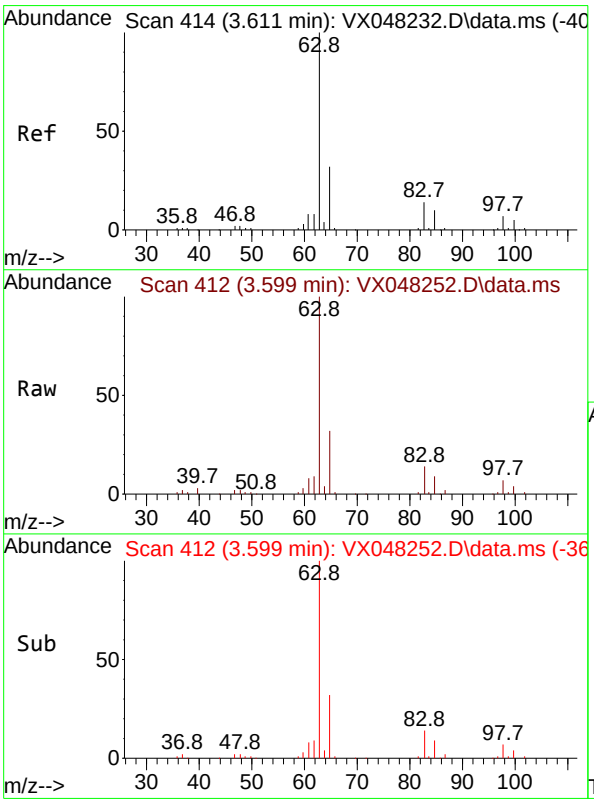
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.7 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

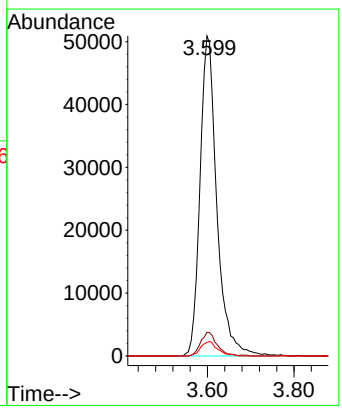


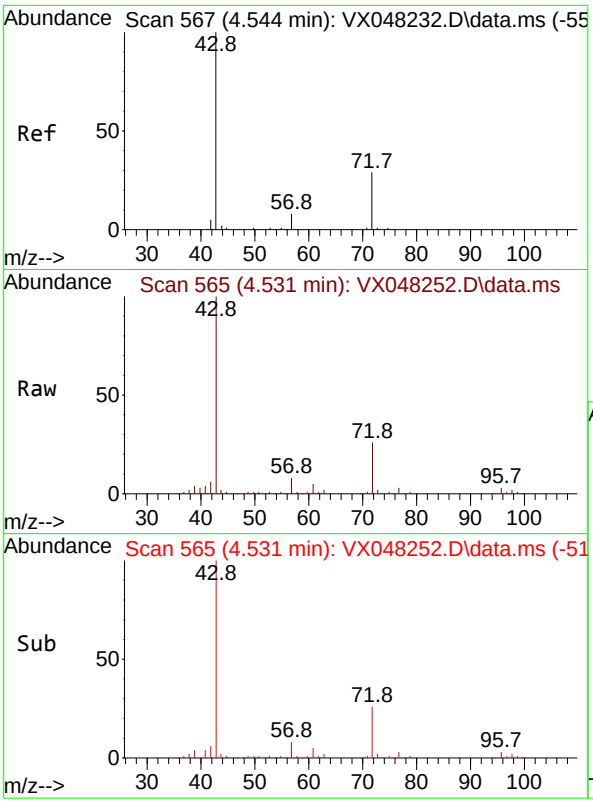




#24
1,1-Dichloroethane
Concen: 45.296 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 63 Resp: 137234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.5 | 10.6 |
| 100 | 4.2 | 2.1 | 6.3 |

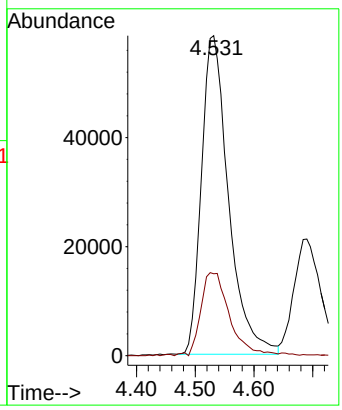





#25
2-Butanone
Concen: 213.793 ug/l
RT: 4.531 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 43 Resp: 18758

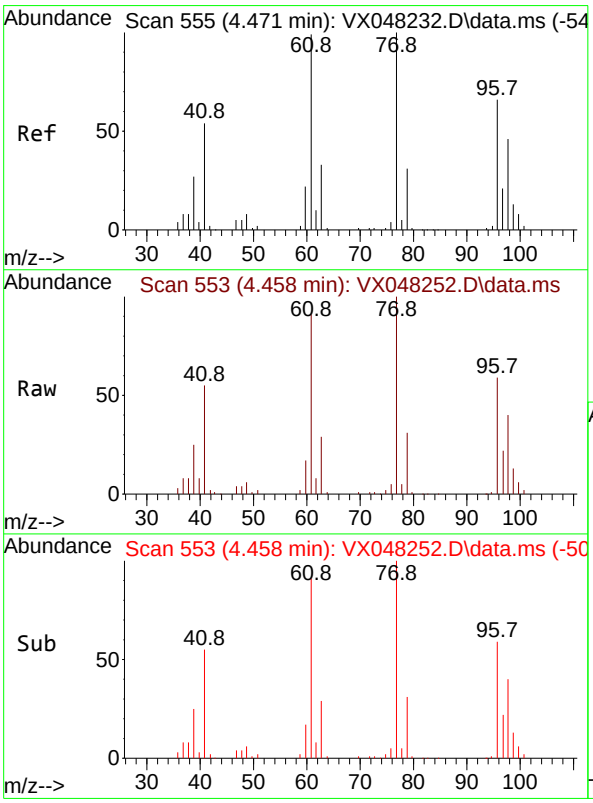
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.7 | 19.9 | 29.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

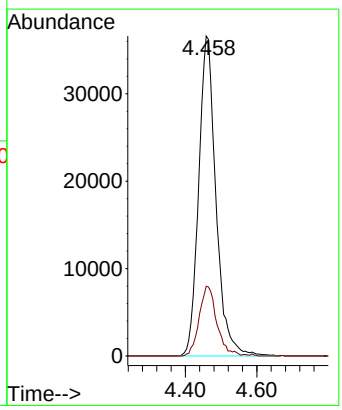
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

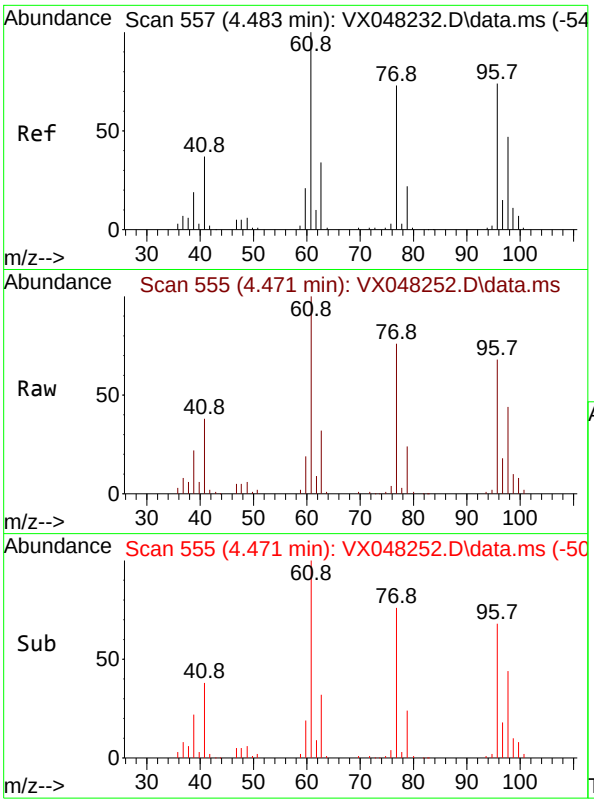



#26
2,2-Dichloropropane
Concen: 44.950 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 77 Resp: 122921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 11.1 | 33.3 |

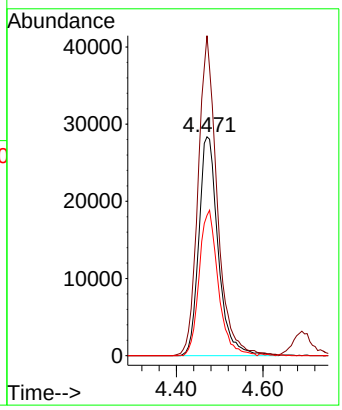





#27
cis-1,2-Dichloroethene
Concen: 45.309 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 96 Resp: 8788

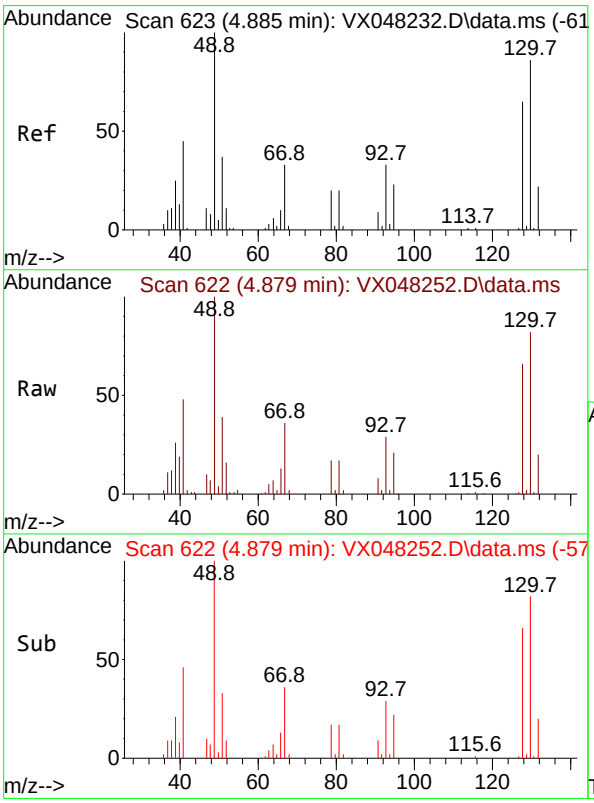
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.2 | 0.0 | 294.2 |
| 98 | 65.5 | 0.0 | 128.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

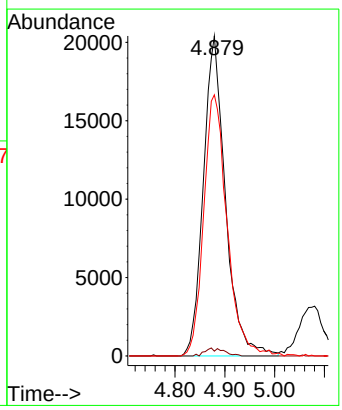
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

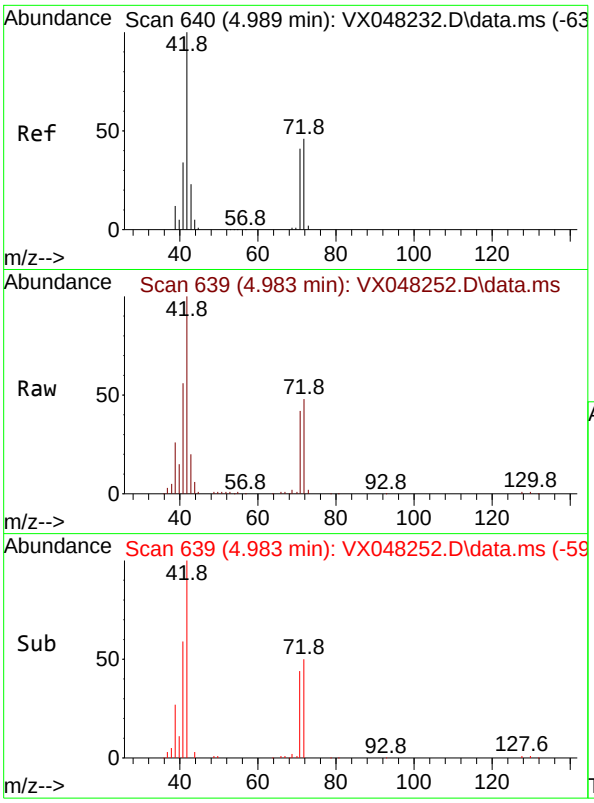



#28
Bromochloromethane
Concen: 49.917 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 49 Resp: 62707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.1 | 0.0 | 4.4 |
| 130 | 86.4 | 59.3 | 88.9 |






#29
Tetrahydrofuran
Concen: 190.379 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

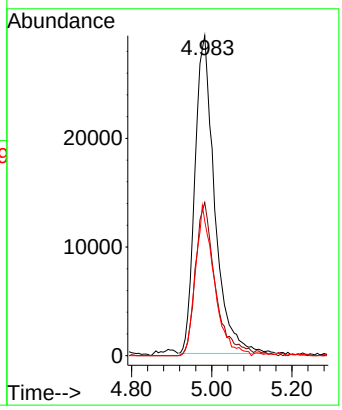
Tgt Ion: 42 Resp: 10004

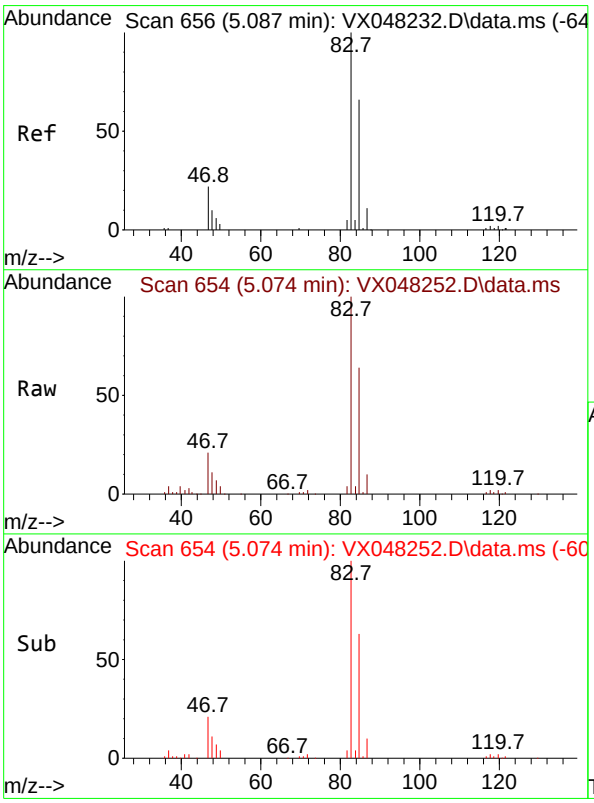
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.5 | 35.3 | 52.9 |
| 71 | 44.9 | 32.2 | 48.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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Supervised By :Mahesh Dadoda 10/24/2025

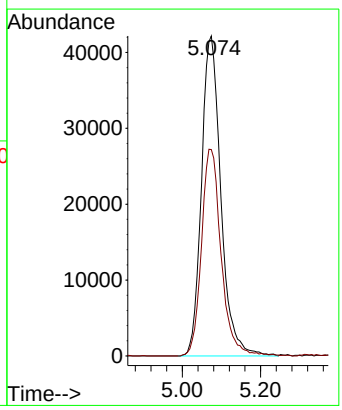


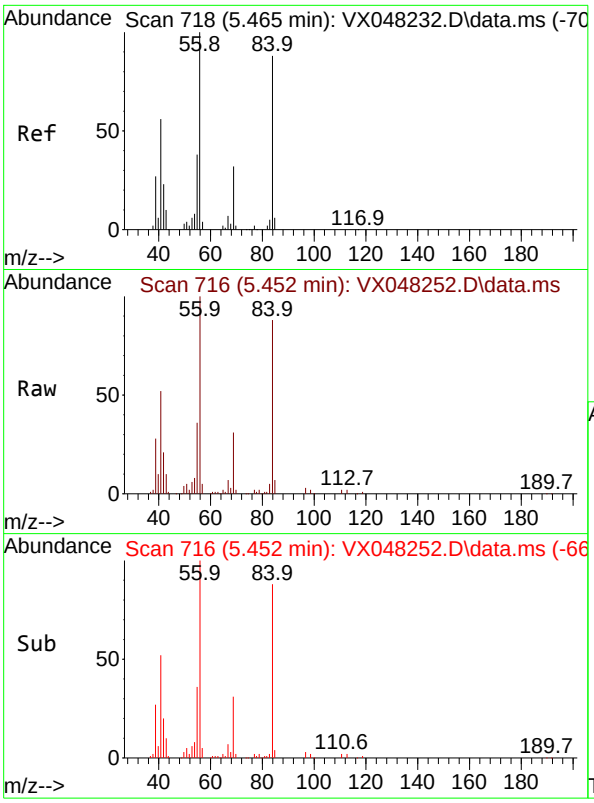




#30
Chloroform
Concen: 44.807 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 83 Resp: 145033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 50.1 | 75.1 |

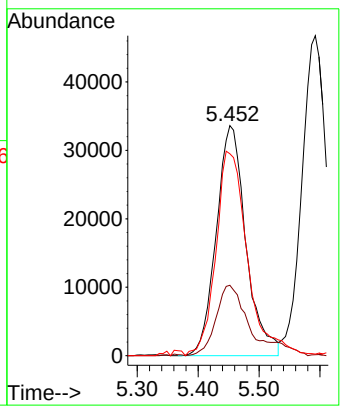





#31
Cyclohexane
Concen: 45.286 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 56 Resp: 11359

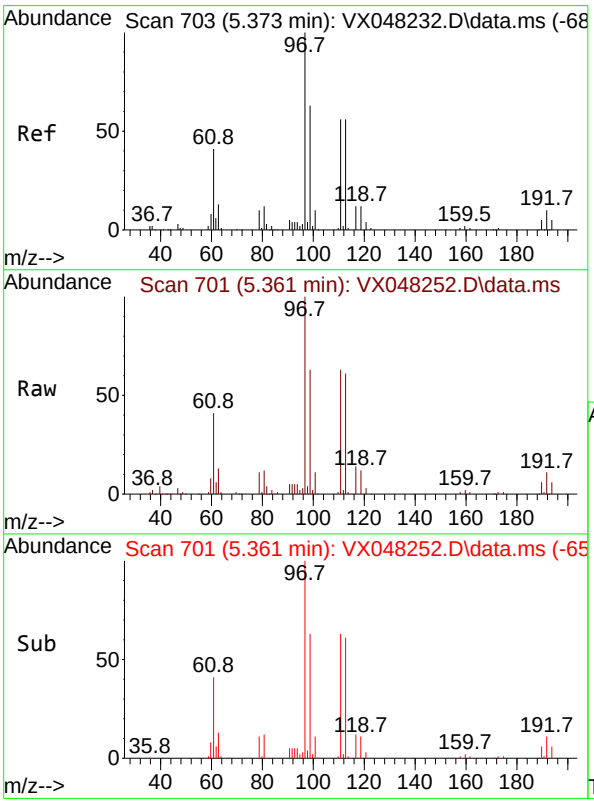
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.2 | 23.0 | 34.6 |
| 84 | 85.6 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

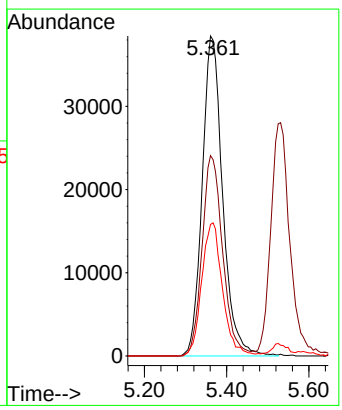
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

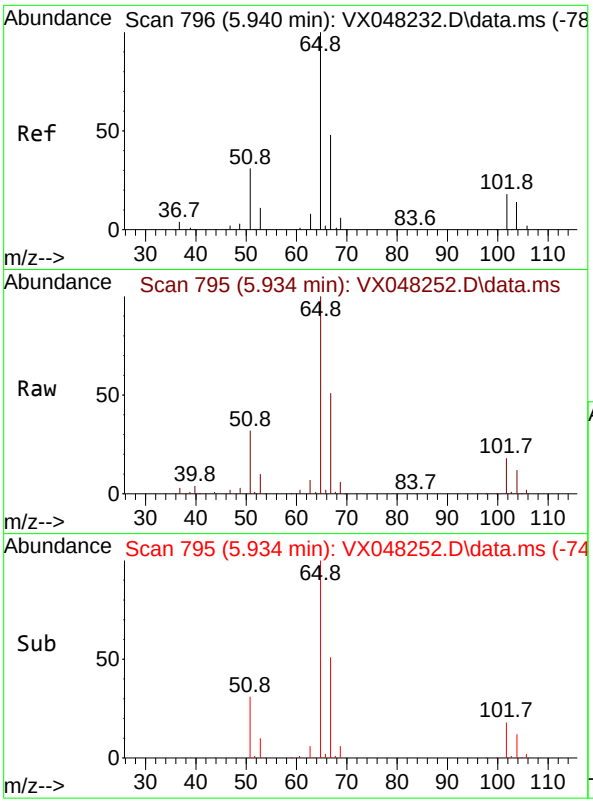



#32
1,1,1-Trichloroethane
Concen: 44.462 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 97 Resp: 132637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.1 | 51.7 | 77.5 |
| 61 | 42.3 | 34.8 | 52.2 |

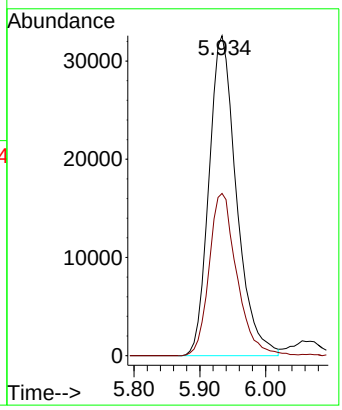





#33
1,2-Dichloroethane-d4
Concen: 46.938 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 65 Resp: 9484

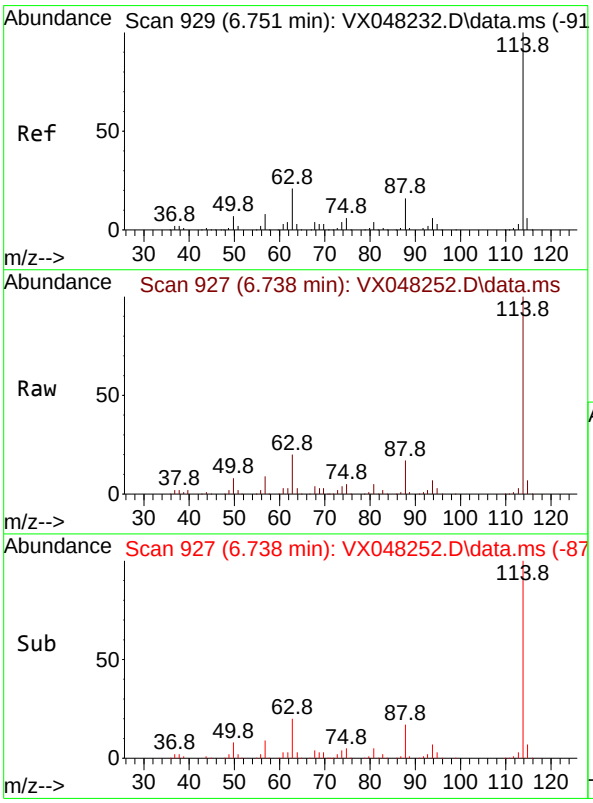
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 0.0 | 105.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

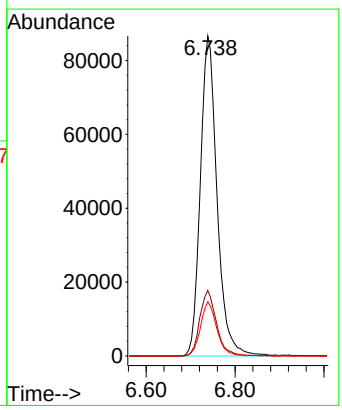
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

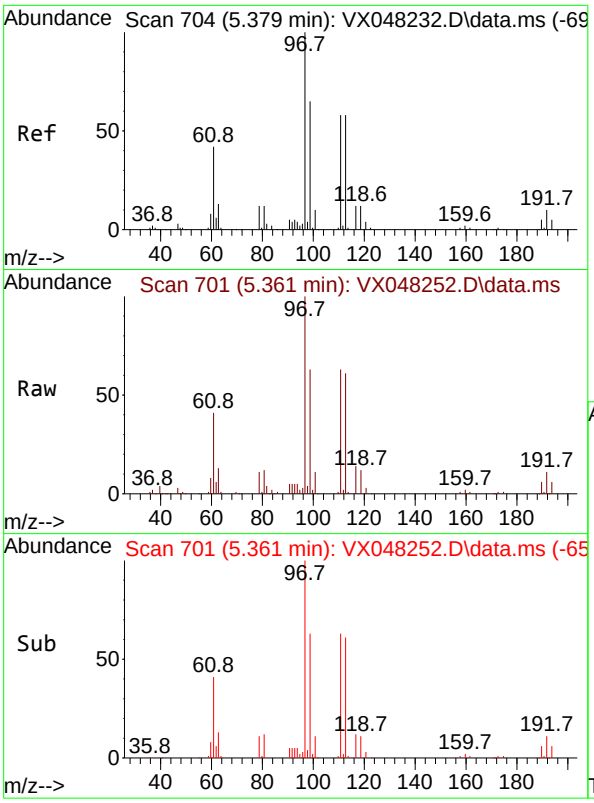



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.007 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:114 Resp: 227103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 43.2 |
| 88 | 16.9 | 0.0 | 33.6 |

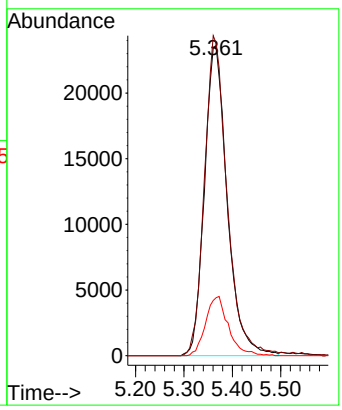





#35
Dibromofluoromethane
Concen: 49.844 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:113 Resp: 7727

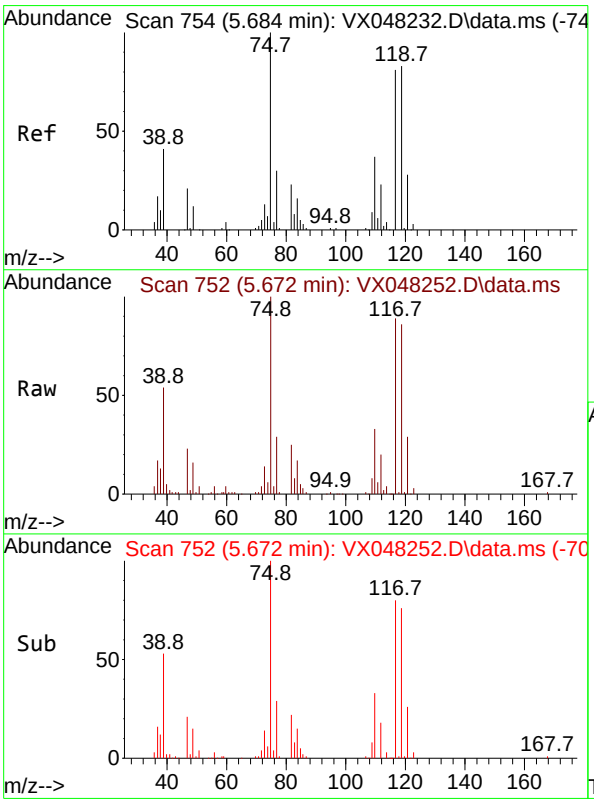
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 82.2 | 123.4 |
| 192 | 19.1 | 15.1 | 22.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

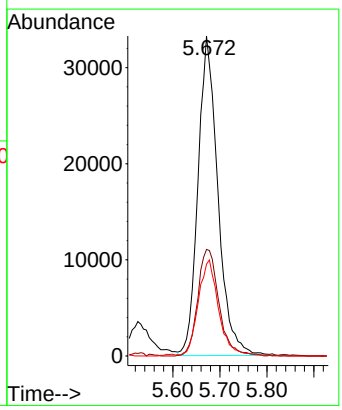
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

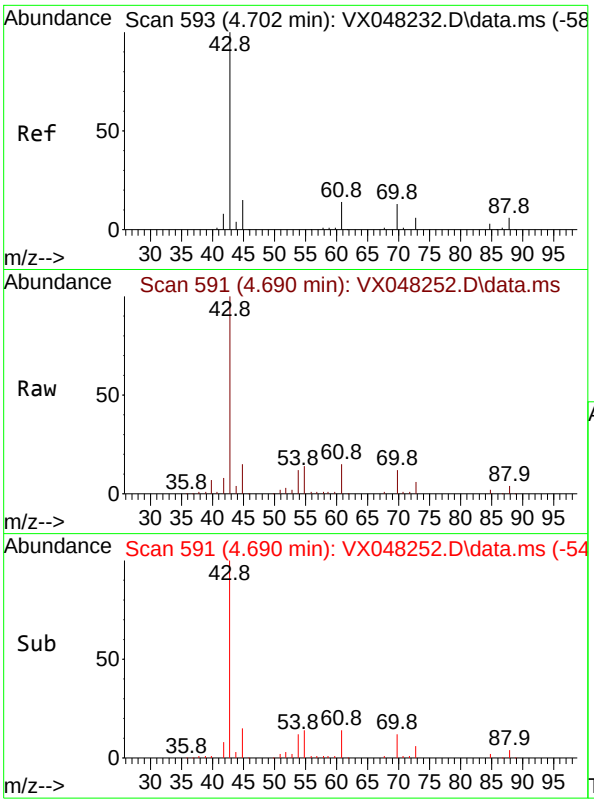



#36
1,1-Dichloropropene
Concen: 44.412 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 97868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.5 | 17.7 | 53.1 |
| 77 | 30.8 | 24.3 | 36.5 |

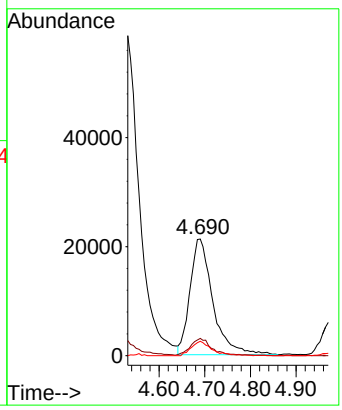





#37
Ethyl Acetate
Concen: 40.418 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 43 Resp: 7382

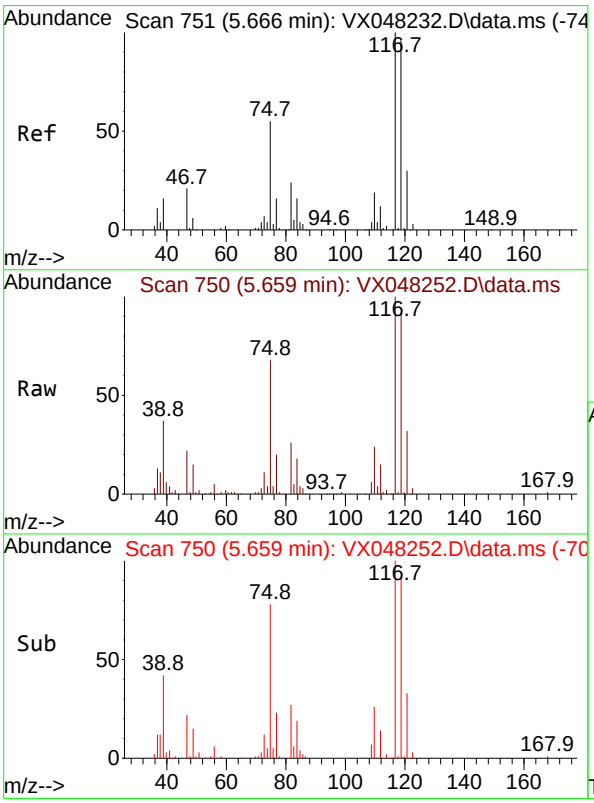
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 10.6 | 15.8 |
| 70 | 11.1 | 7.8 | 11.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

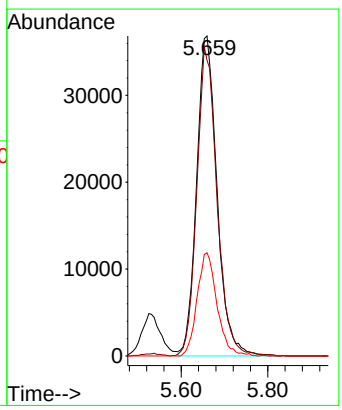
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

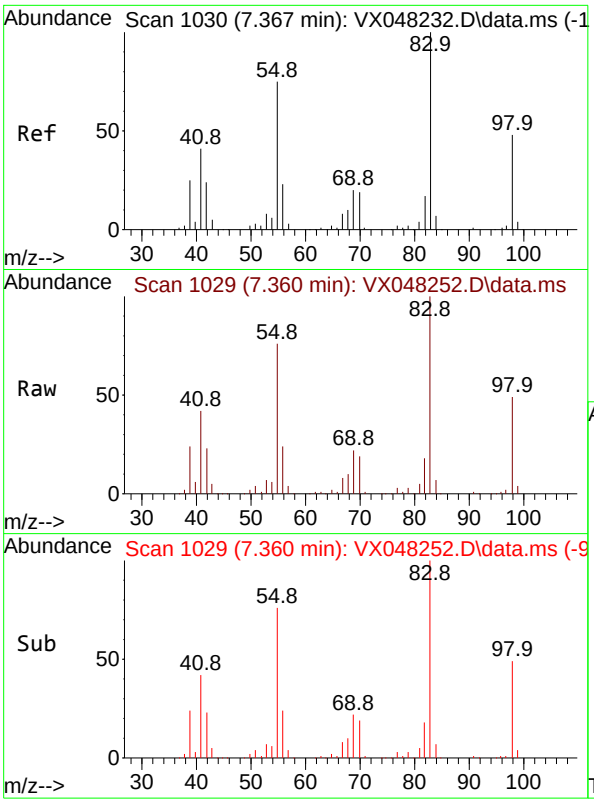



#38
Carbon Tetrachloride
Concen: 44.491 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:117 Resp: 120960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.4 | 77.2 | 115.8 |
| 121 | 32.2 | 24.8 | 37.2 |

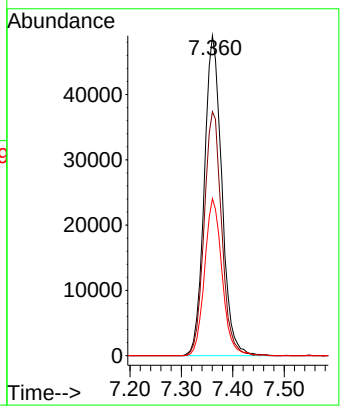





#39
Methylcyclohexane
Concen: 44.497 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 83 Resp: 11580

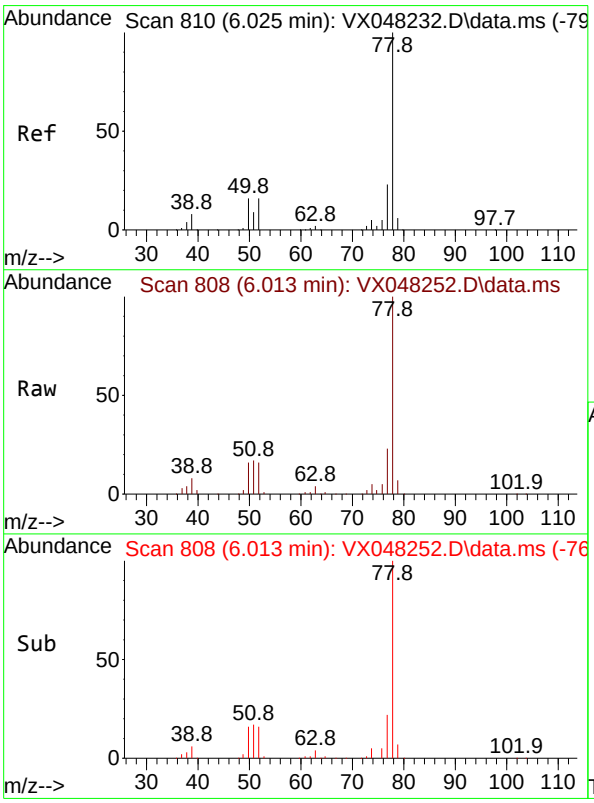
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.3 | 66.2 | 99.2 |
| 98 | 49.1 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

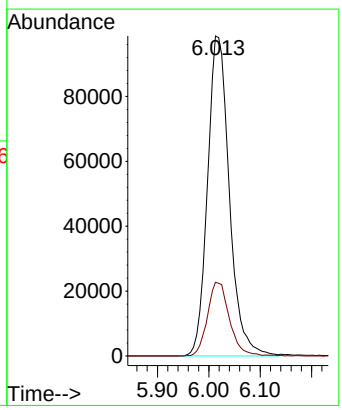
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

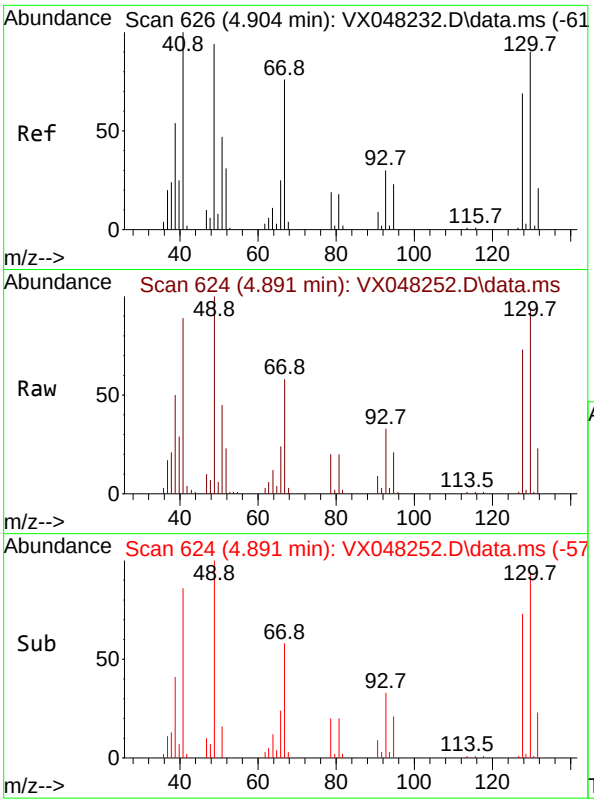



#40
Benzene
Concen: 45.424 ug/l
RT: 6.013 min Scan# 808
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 78 Resp: 290616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.0 | 19.3 | 28.9 |

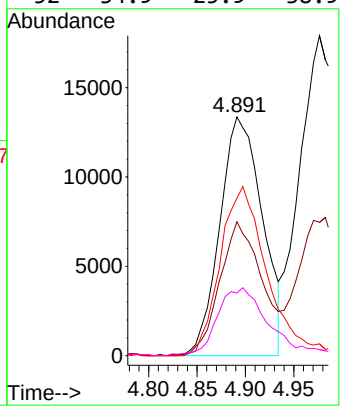





#41
Methacrylonitrile
Concen: 42.707 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 41 Resp: 4096

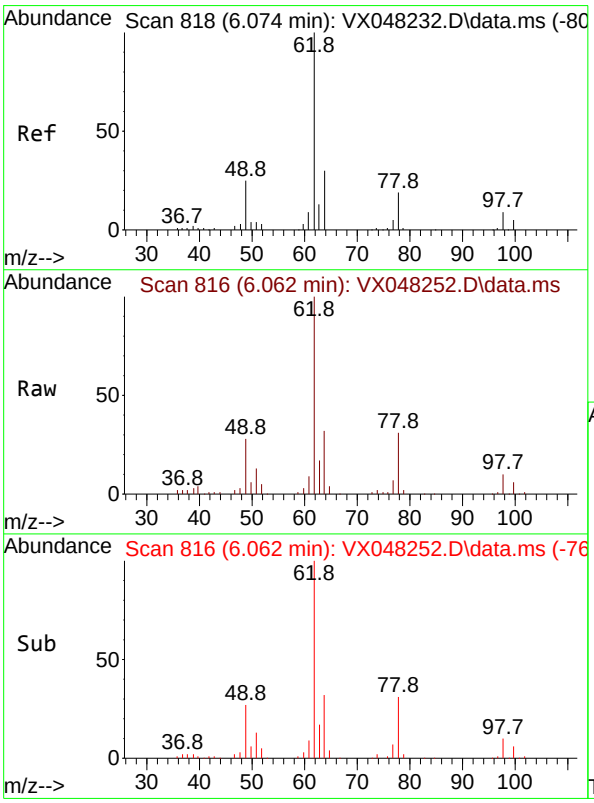
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.0 | 44.0 | 66.0 |
| 67 | 78.2 | 58.7 | 88.1 |
| 52 | 34.9 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

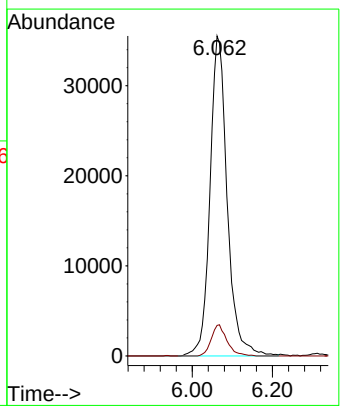
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

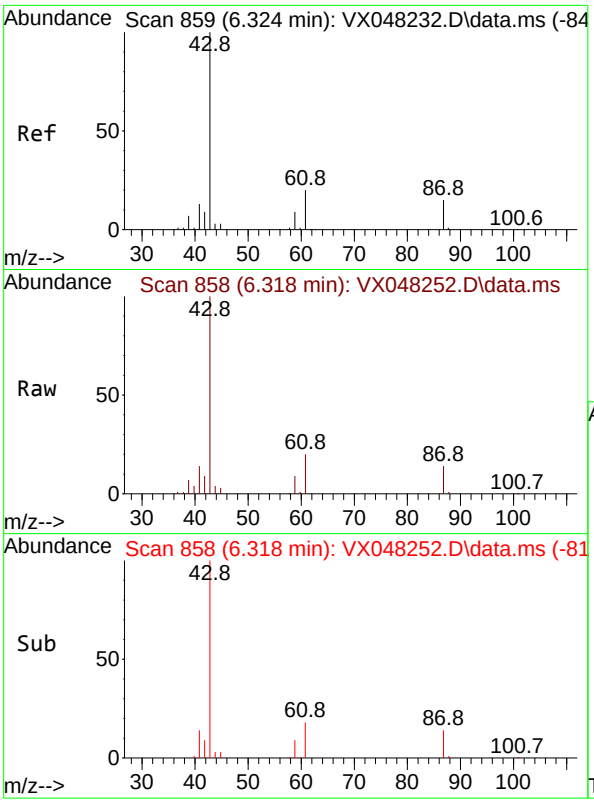



#42
1,2-Dichloroethane
Concen: 44.791 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 62 Resp: 105747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 17.2 |






#43
Isopropyl Acetate
Concen: 40.859 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

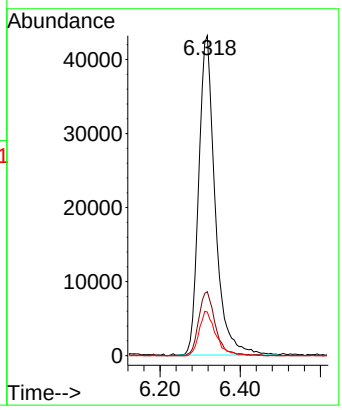
Tgt Ion: 43 Resp: 12258

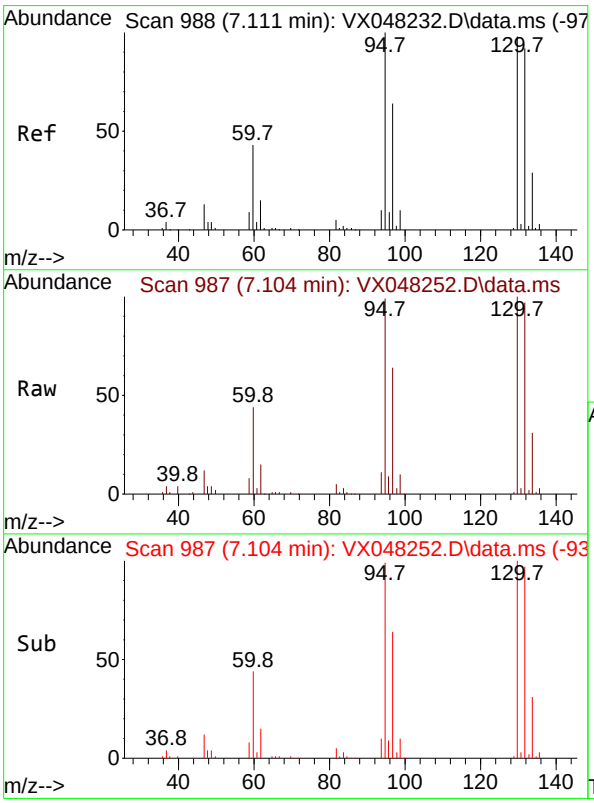
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.4 | 14.9 | 22.3 |
| 87 | 14.0 | 9.4 | 14.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

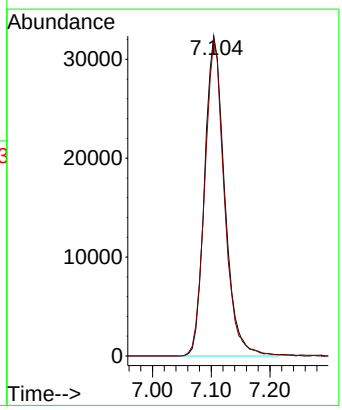


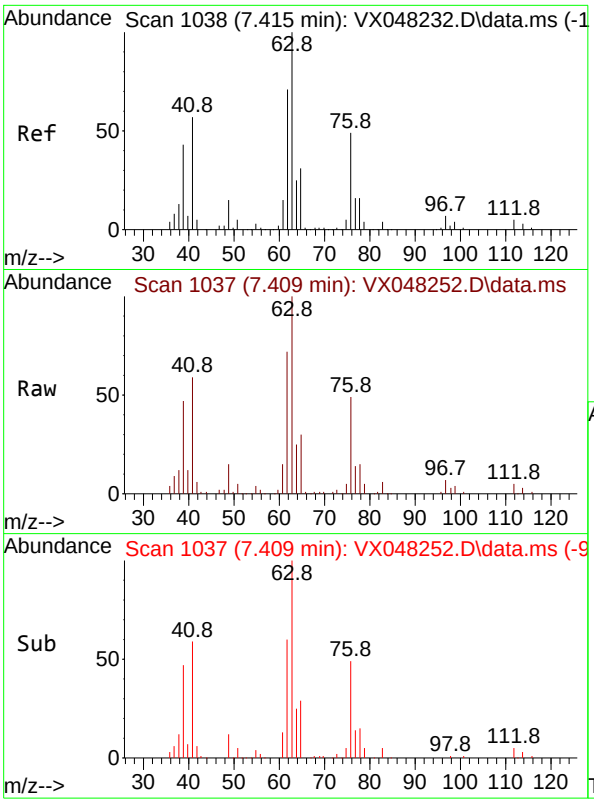




#44
Trichloroethene
Concen: 45.286 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:130 Resp: 76506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 108.3 | 0.0 | 200.6 |

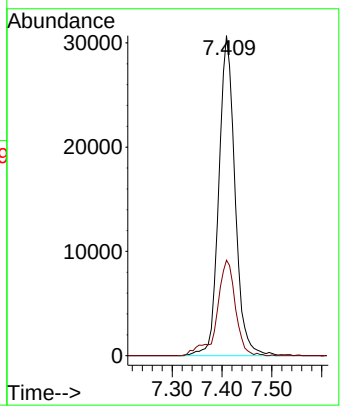





#45
1,2-Dichloropropane
Concen: 45.586 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 63 Resp: 6934

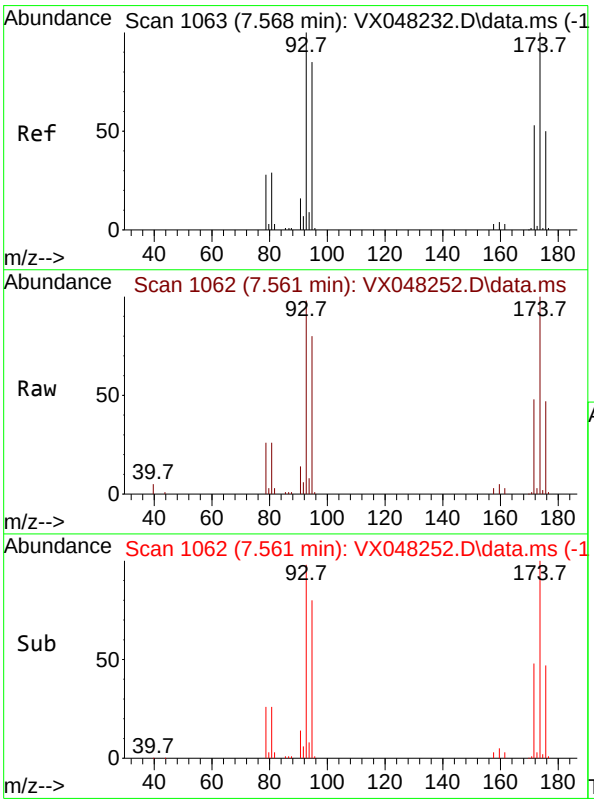
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.8 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

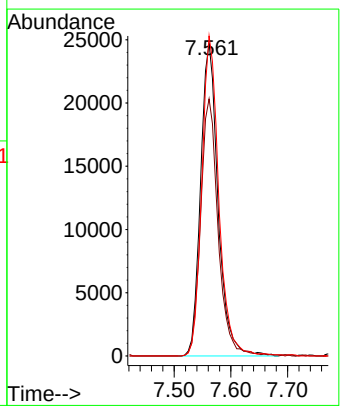
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

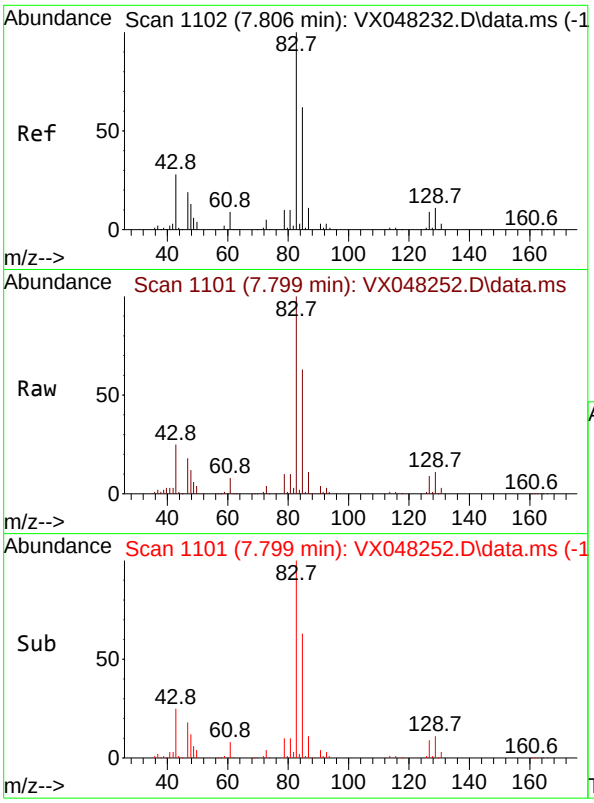



#46
Dibromomethane
Concen: 44.649 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 93 Resp: 52913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.9 | 98.9 |
| 174 | 100.1 | 71.7 | 107.5 |

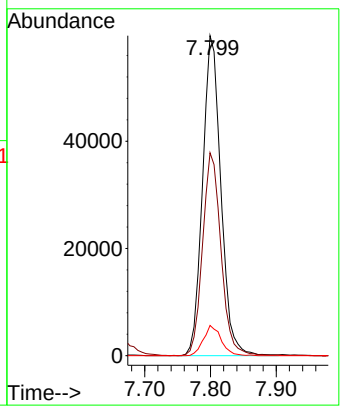





#47
Bromodichloromethane
Concen: 45.265 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 83 Resp: 11582

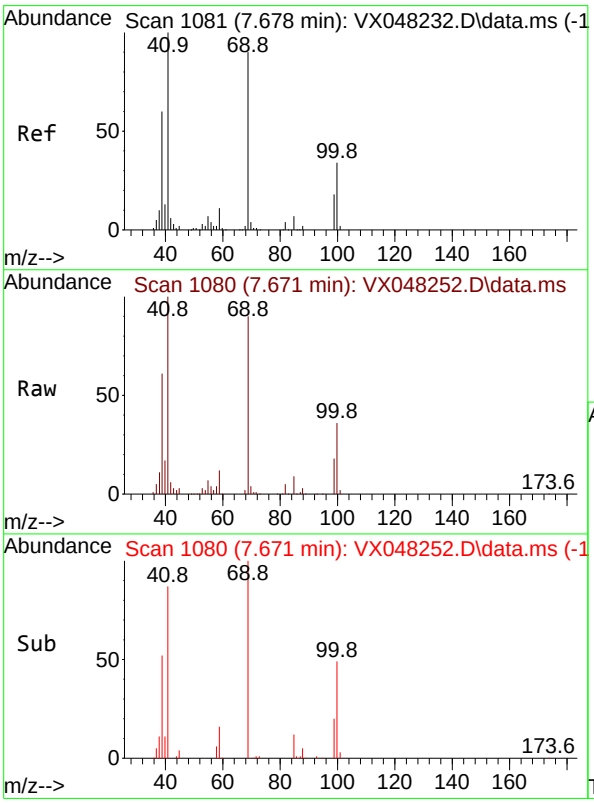
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 52.2 | 78.4 |
| 127 | 9.4 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

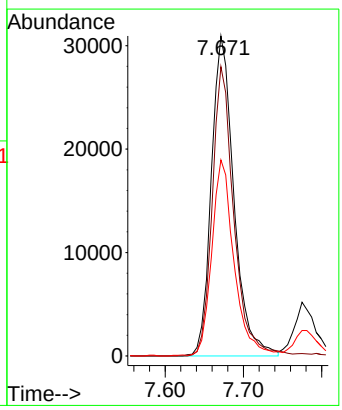
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

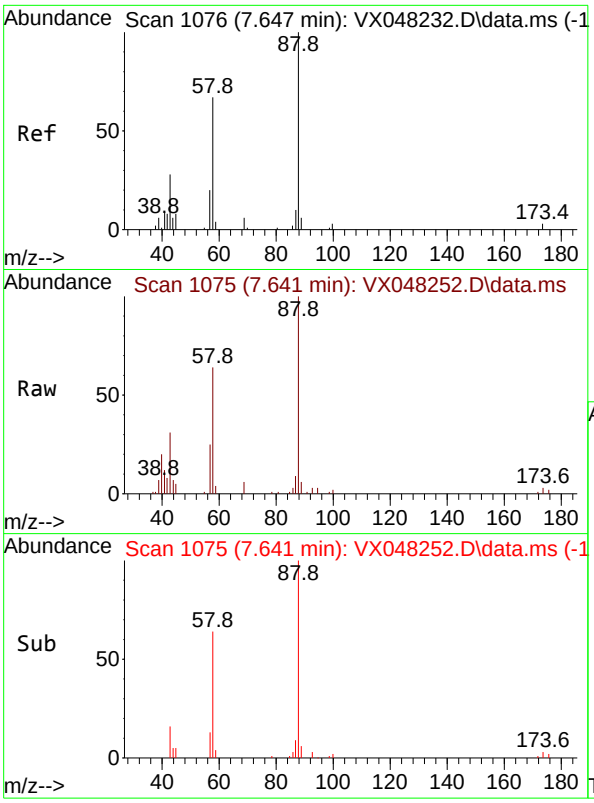



#48
Methyl methacrylate
Concen: 41.000 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 41 Resp: 62073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.3 | 63.4 | 95.0 |
| 39 | 60.7 | 47.1 | 70.7 |






#49
1,4-Dioxane
Concen: 782.834 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

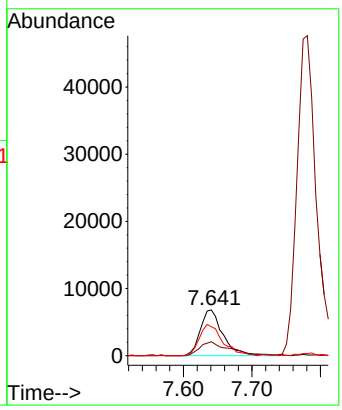
Tgt Ion: 88 Resp: 1565

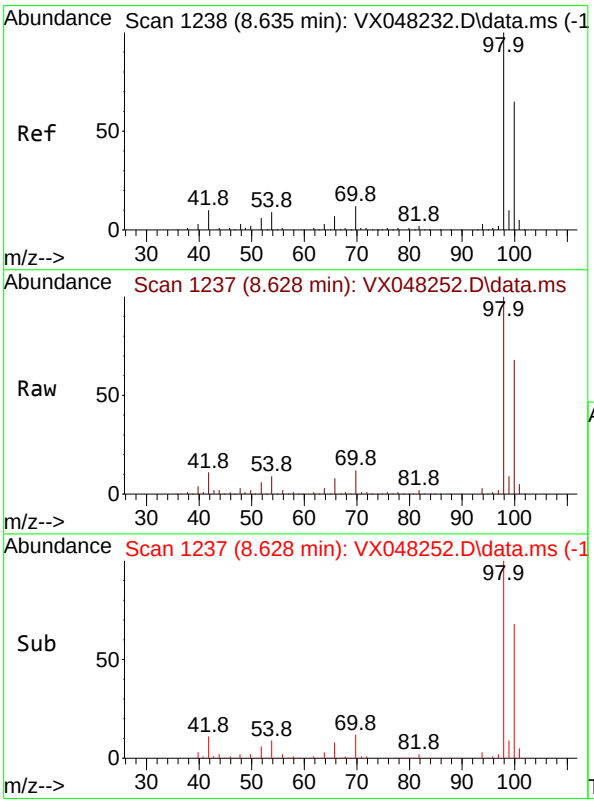
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.9 | 35.0 | 52.4 |
| 58 | 69.5 | 61.9 | 92.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

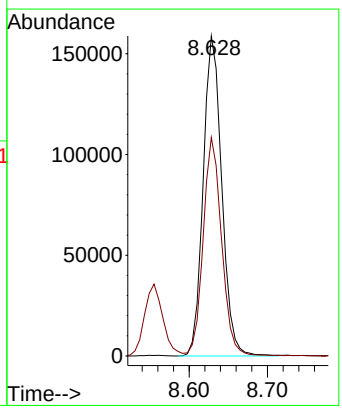


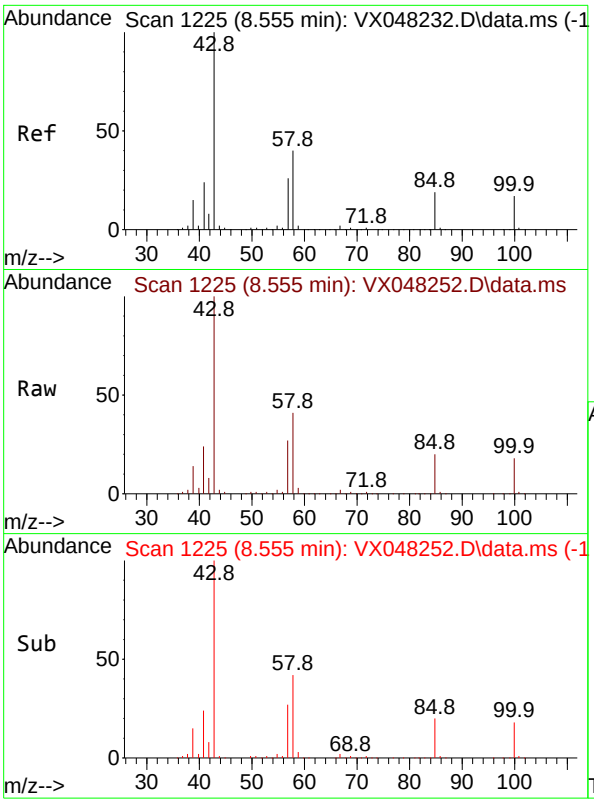




#50
Toluene-d8
Concen: 48.070 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 98 Resp: 261228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.7 | 53.0 | 79.4 |

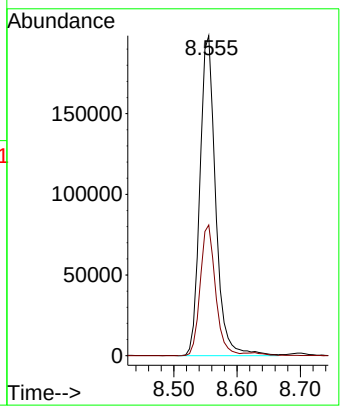





#51
4-Methyl-2-Pentanone
Concen: 198.518 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 43 Resp: 34341

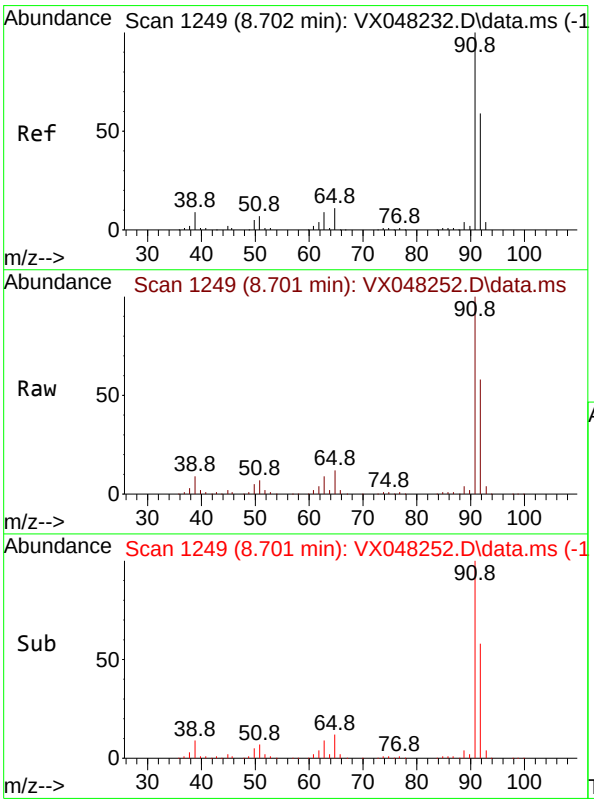
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.7 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

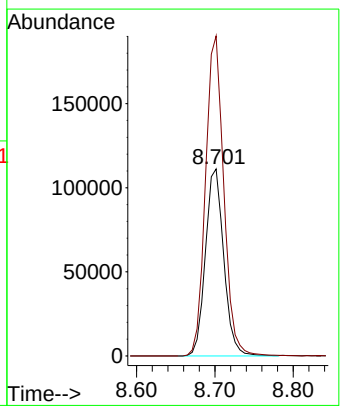
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

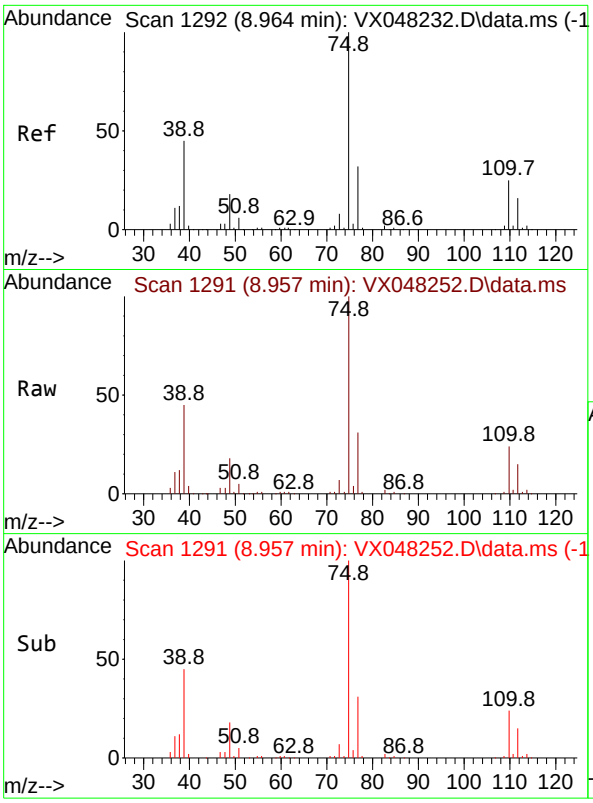



#52
Toluene
Concen: 44.443 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 92 Resp: 180638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.1 | 136.1 | 204.1 |

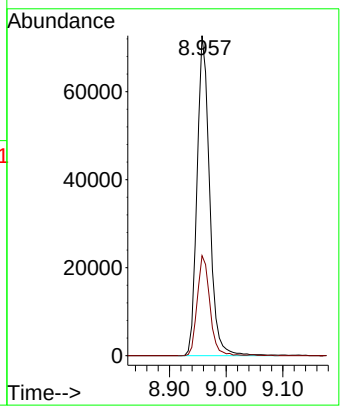





#53
t-1,3-Dichloropropene
Concen: 45.367 ug/l
RT: 8.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 11186

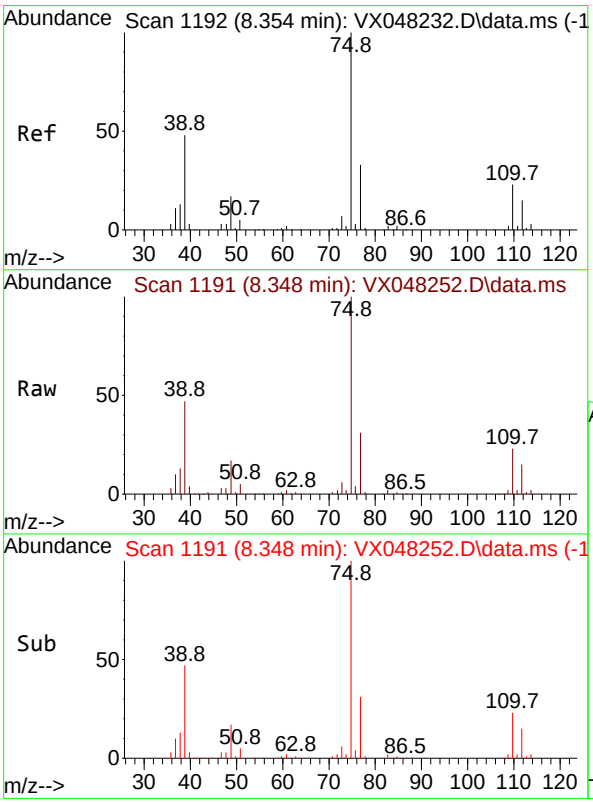
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

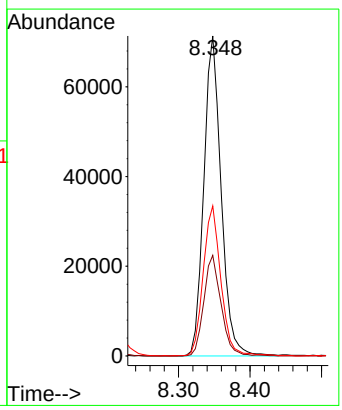
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

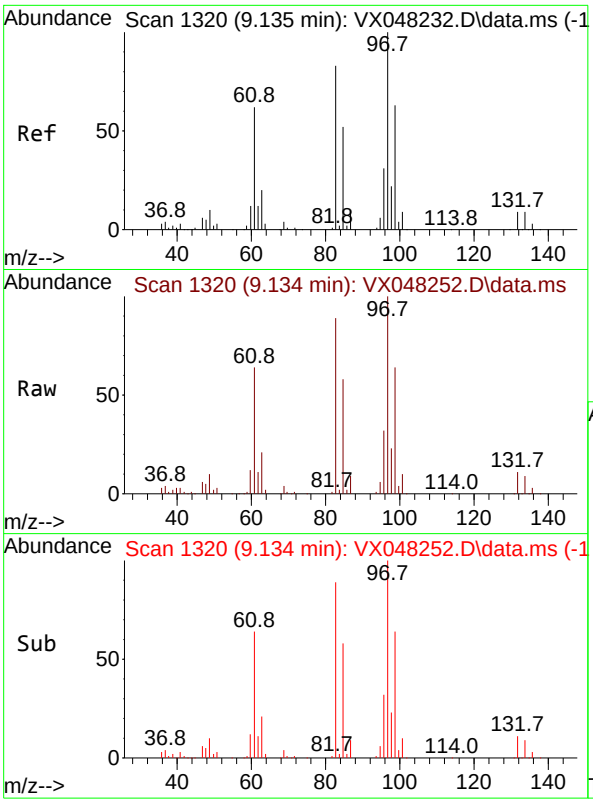



#54
cis-1,3-Dichloropropene
Concen: 45.199 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 120247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 24.9 | 37.3 |
| 39 | 46.8 | 42.6 | 64.0 |

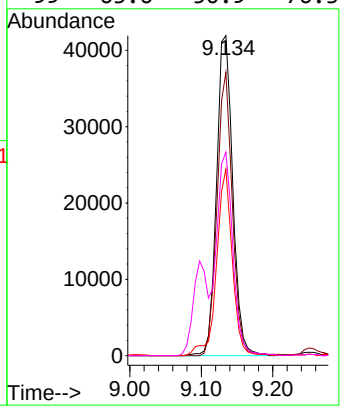





#55
1,1,2-Trichloroethane
Concen: 43.758 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 97 Resp: 6614

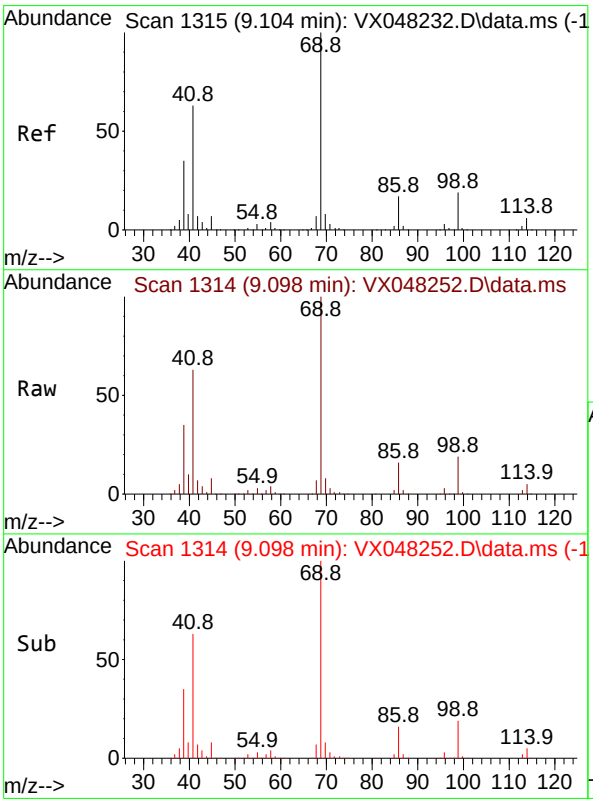
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.5 | 70.6 | 105.8 |
| 85 | 58.3 | 45.0 | 67.6 |
| 99 | 63.6 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

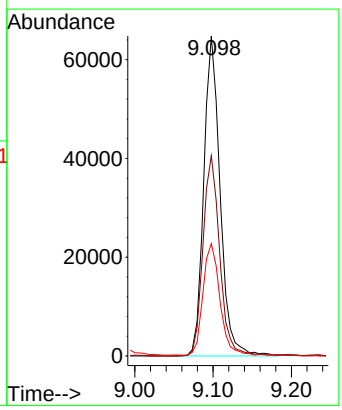
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

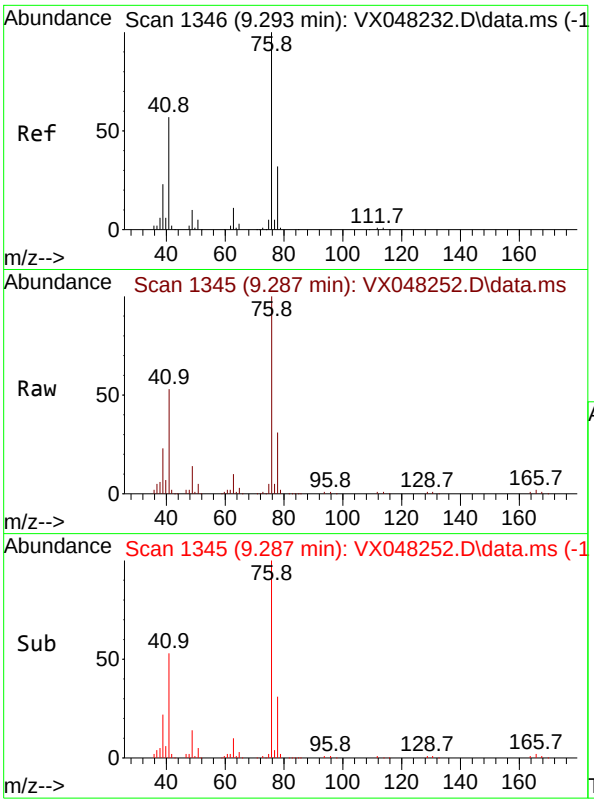



#56
Ethyl methacrylate
Concen: 42.533 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 69 Resp: 94033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.2 | 56.0 | 84.0 |
| 39 | 37.2 | 31.6 | 47.4 |

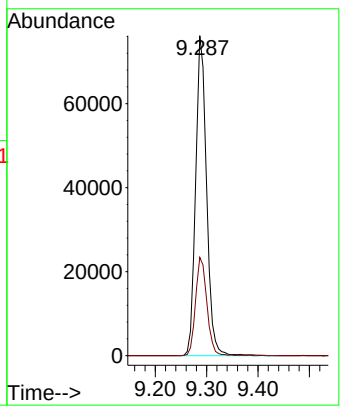





#57
1,3-Dichloropropane
Concen: 43.726 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 76 Resp: 11289

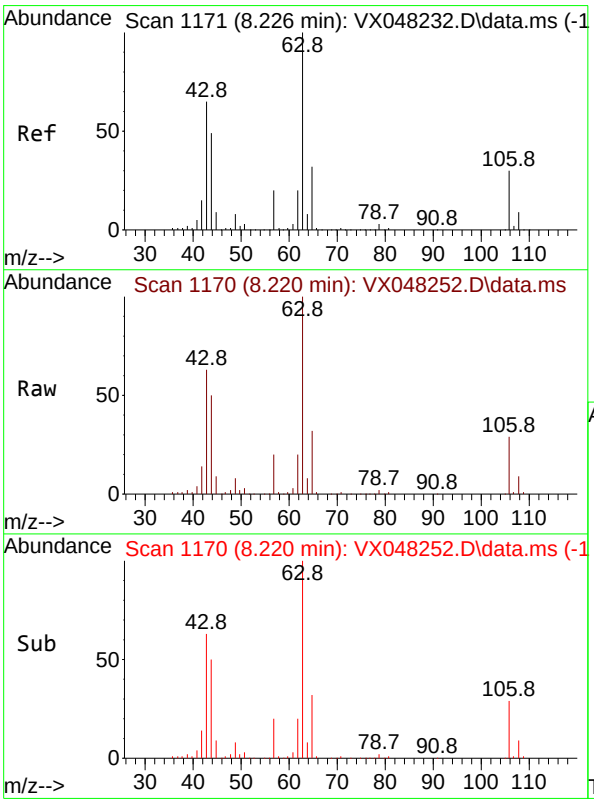
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.0 | 25.4 | 38.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

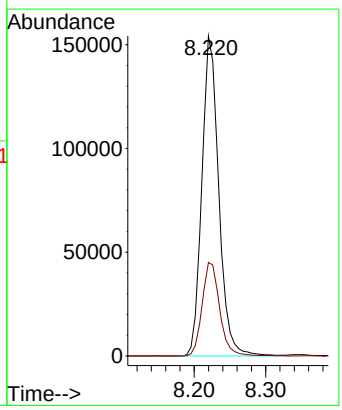
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

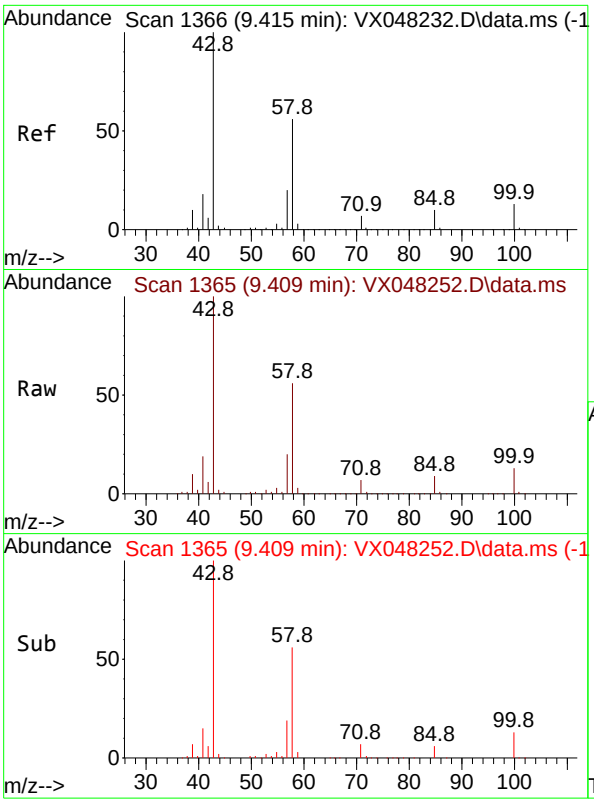



#58
2-Chloroethyl Vinyl ether
Concen: 213.469 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 63 Resp: 253467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.3 | 22.2 | 33.2 |






#59
2-Hexanone
Concen: 213.881 ug/l
RT: 9.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

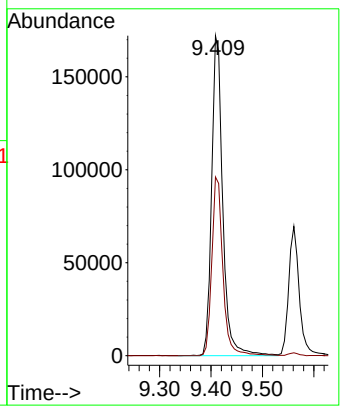
Tgt Ion: 43 Resp: 25798

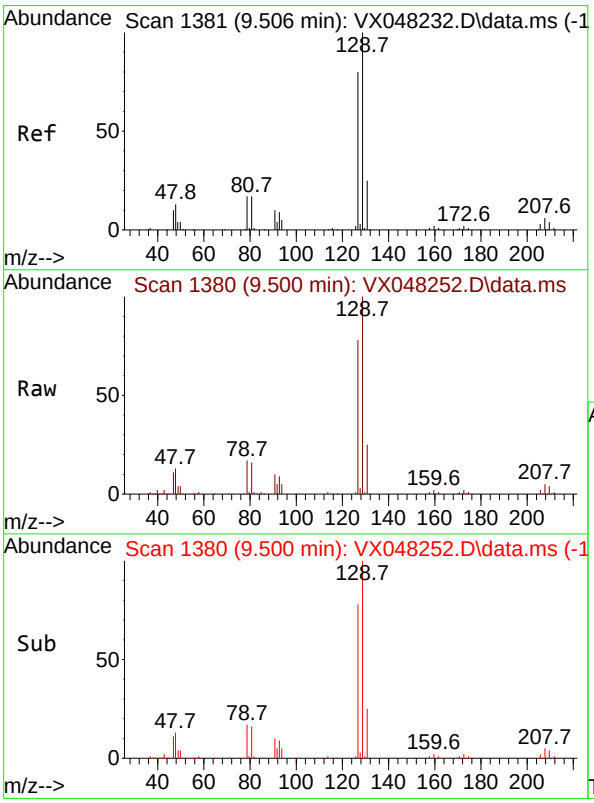
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.8 | 26.3 | 78.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

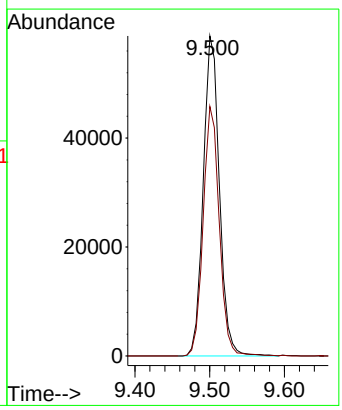


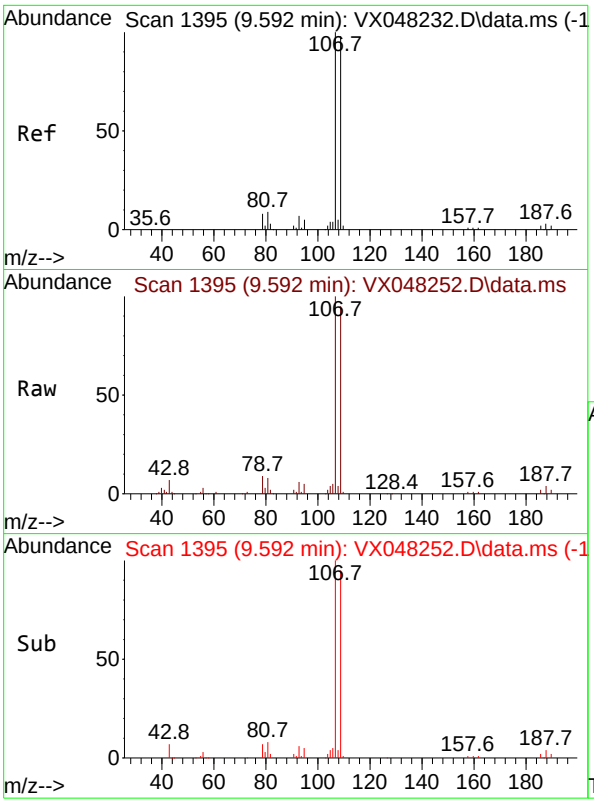




#60
Dibromochloromethane
Concen: 43.319 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:129 Resp: 88005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.9 | 38.6 | 115.7 |

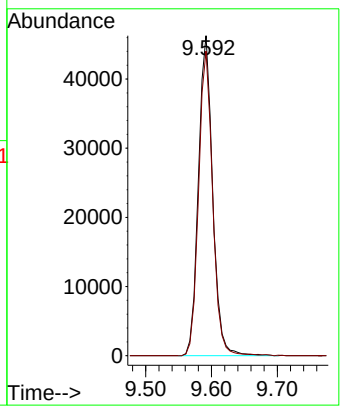





#61
1,2-Dibromoethane
Concen: 43.228 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:107 Resp: 6965

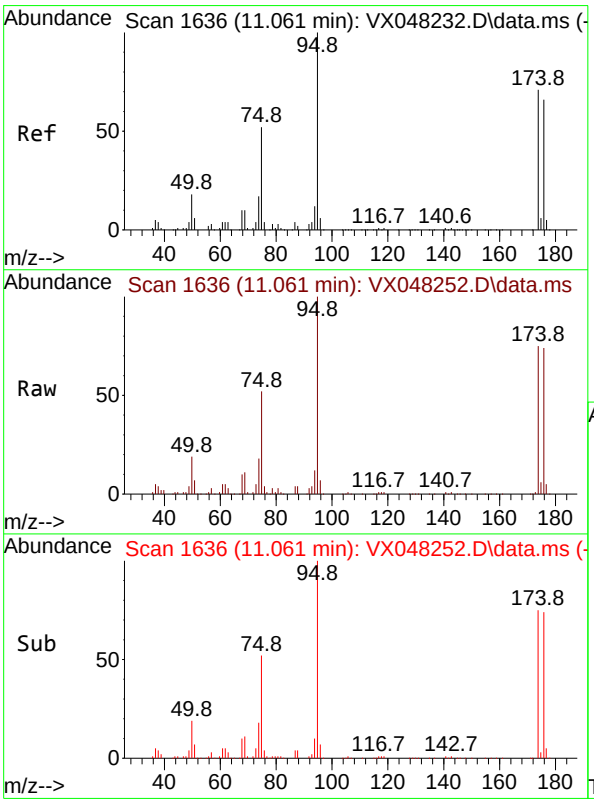
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.0 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

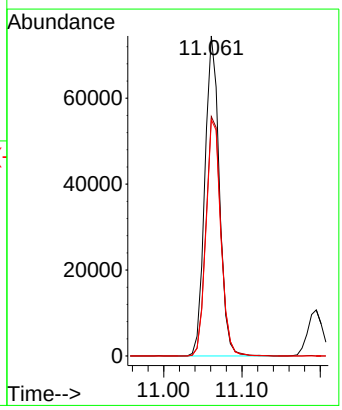
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

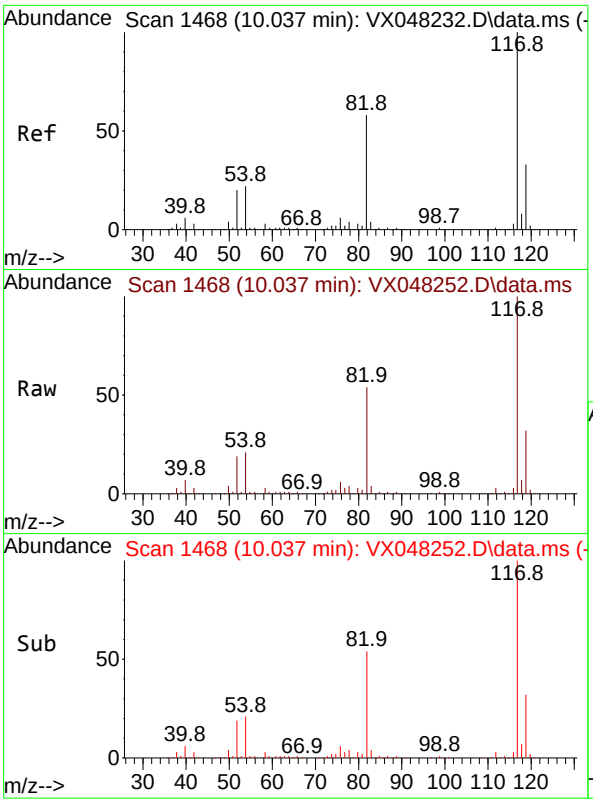



#62
4-Bromofluorobenzene
Concen: 46.072 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 95 Resp: 95248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.2 | 0.0 | 147.8 |
| 176 | 75.3 | 0.0 | 142.8 |

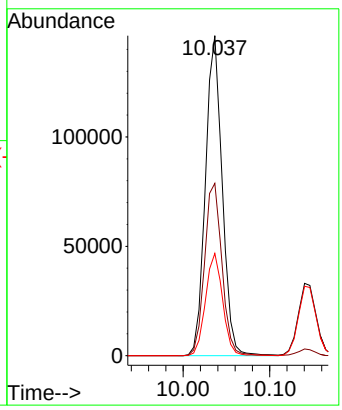





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:117 Resp: 19701

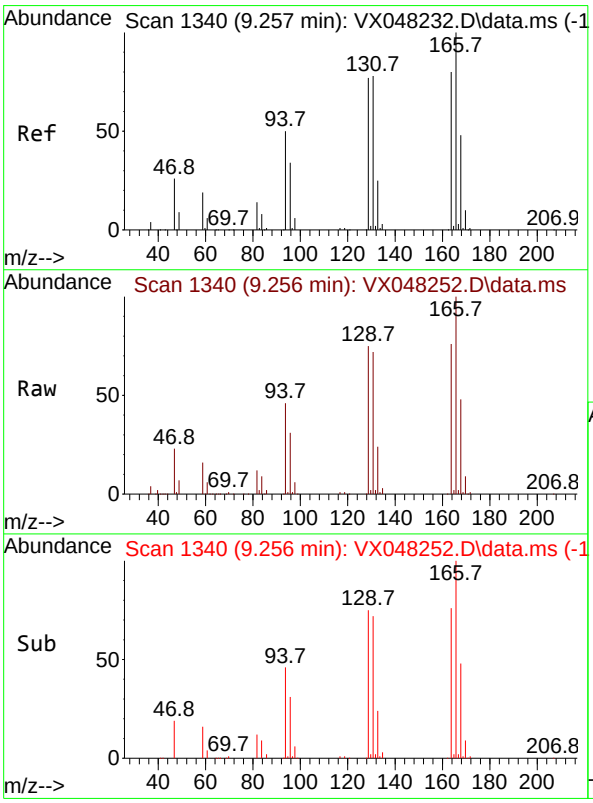
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.8 | 46.5 | 69.7 |
| 119 | 32.0 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

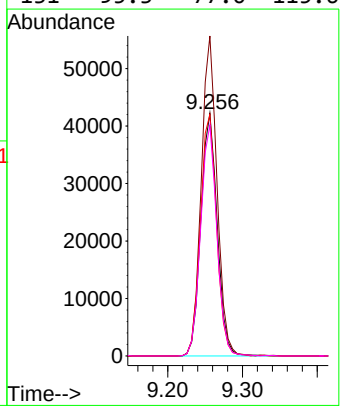
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

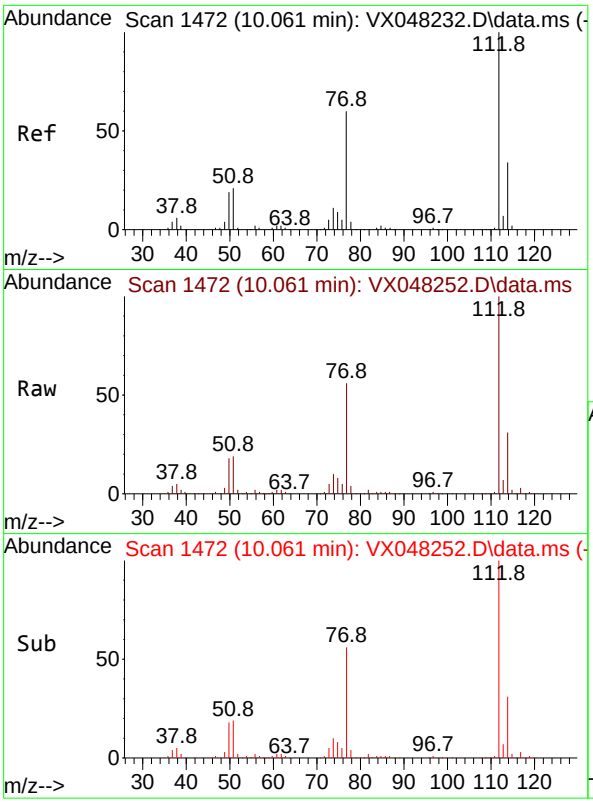



#64
Tetrachloroethene
Concen: 43.569 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:164 Resp: 64080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.9 | 104.5 | 156.7 |
| 129 | 99.5 | 81.8 | 122.6 |
| 131 | 95.3 | 77.0 | 115.6 |

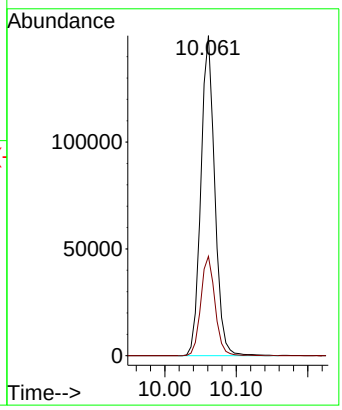





#65
Chlorobenzene
Concen: 45.568 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:112 Resp: 20195

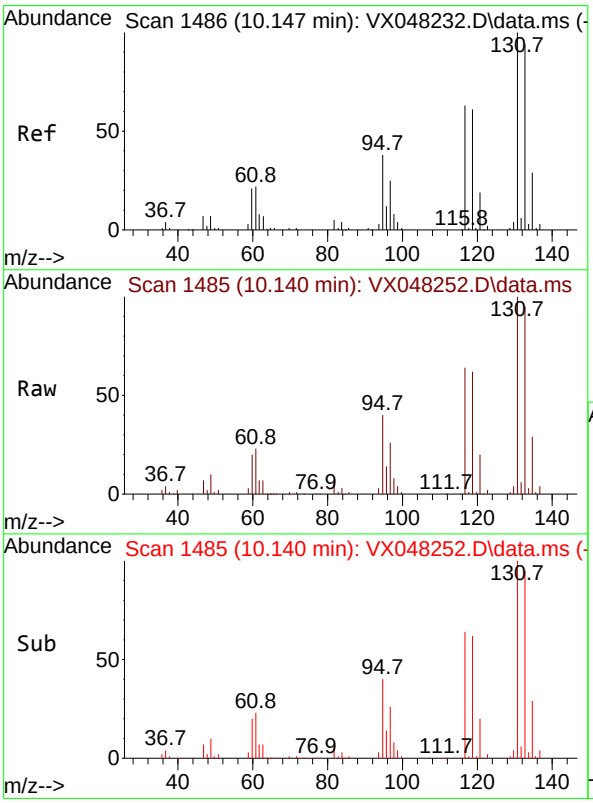
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.0 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

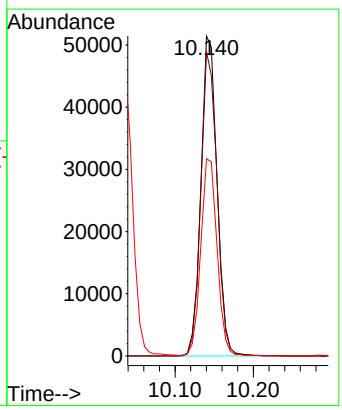
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

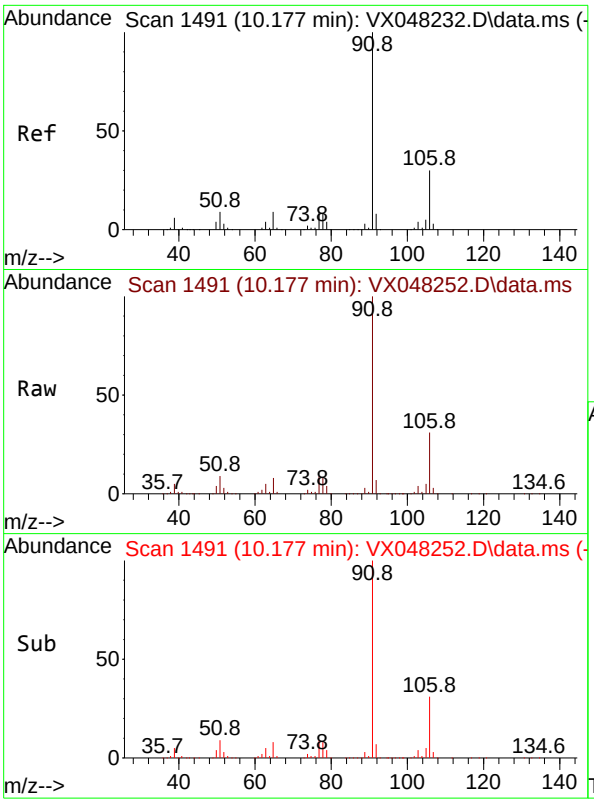



#66
1,1,1,2-Tetrachloroethane
Concen: 45.215 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:131 Resp: 73602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.6 | 142.8 |
| 119 | 62.4 | 32.5 | 97.5 |

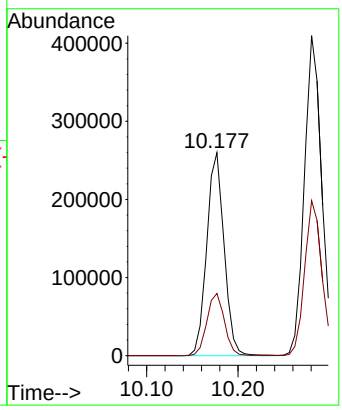





#67
Ethyl Benzene
Concen: 45.371 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 91 Resp: 34235

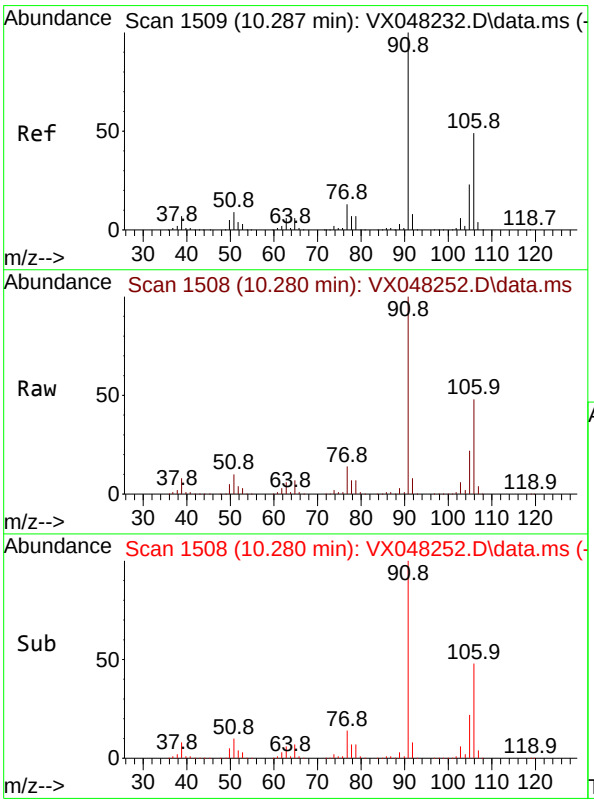
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.7 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

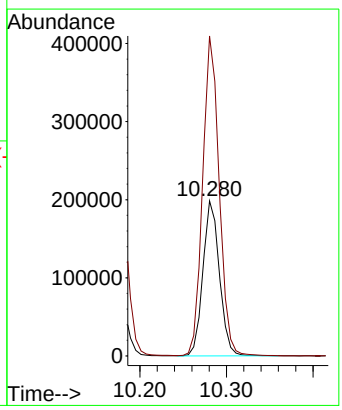
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

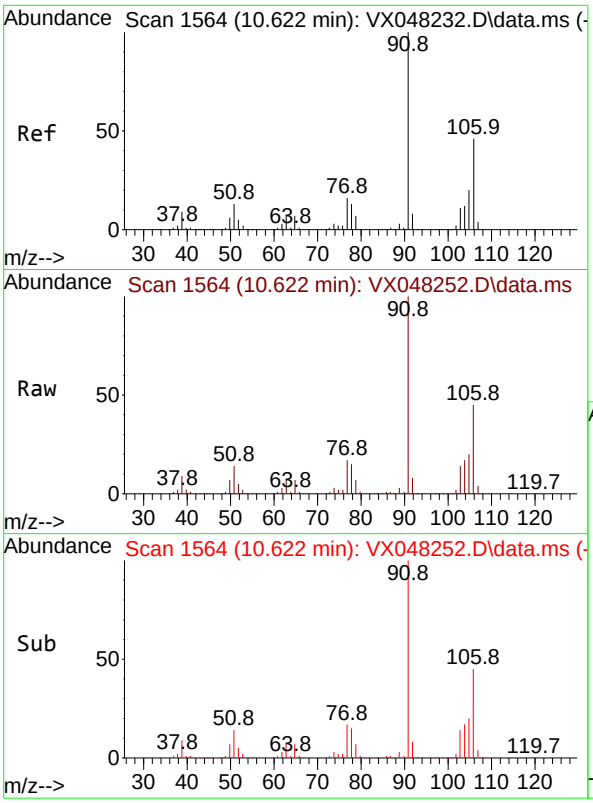



#68
m/p-Xylenes
Concen: 93.624 ug/l
RT: 10.280 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:106 Resp: 262482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.8 | 167.9 | 251.9 |






#69
o-Xylene
Concen: 45.486 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

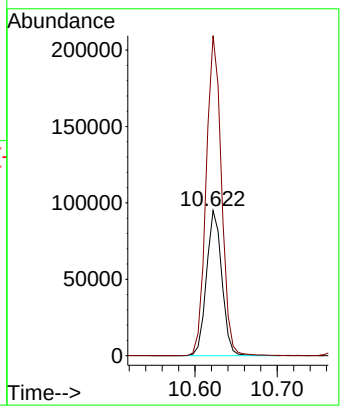
Tgt Ion:106 Resp: 12311

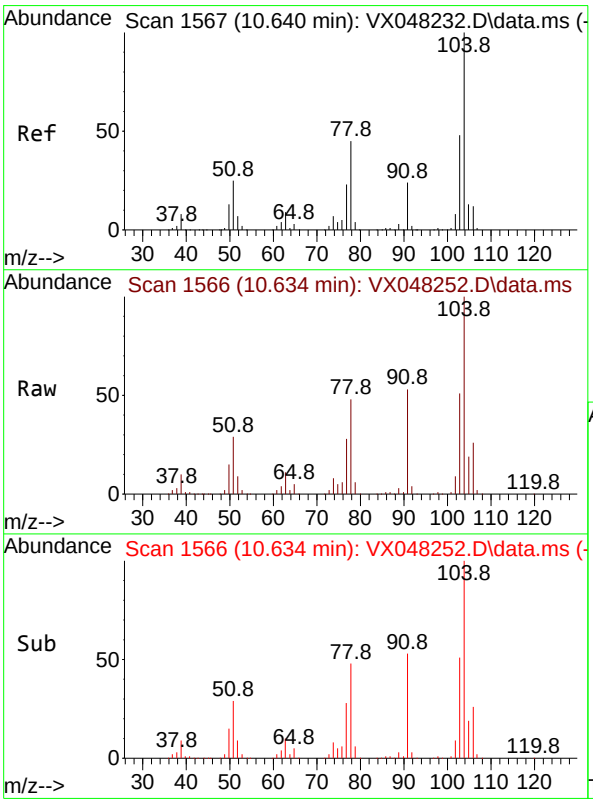
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.9 | 111.3 | 333.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

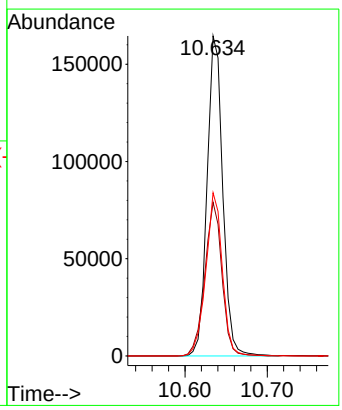


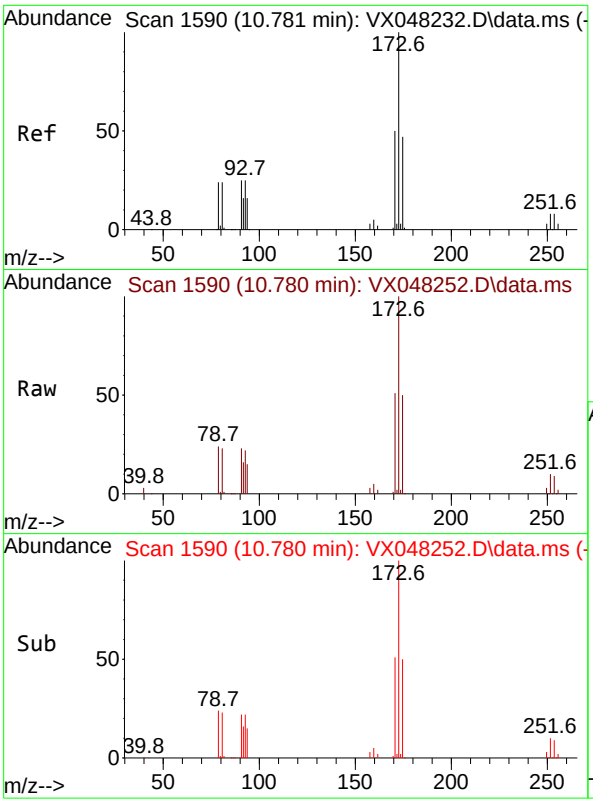




#70
Styrene
Concen: 47.309 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:104 Resp: 218038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.5 | 42.2 | 63.4 |
| 103 | 53.9 | 43.0 | 64.4 |

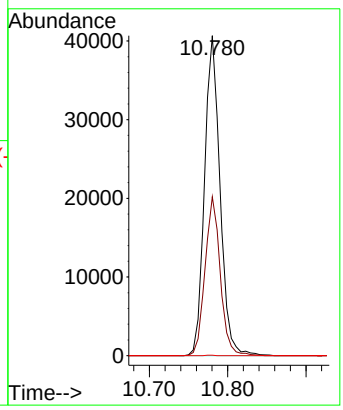





#71
Bromoform
Concen: 42.915 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:173 Resp: 5583

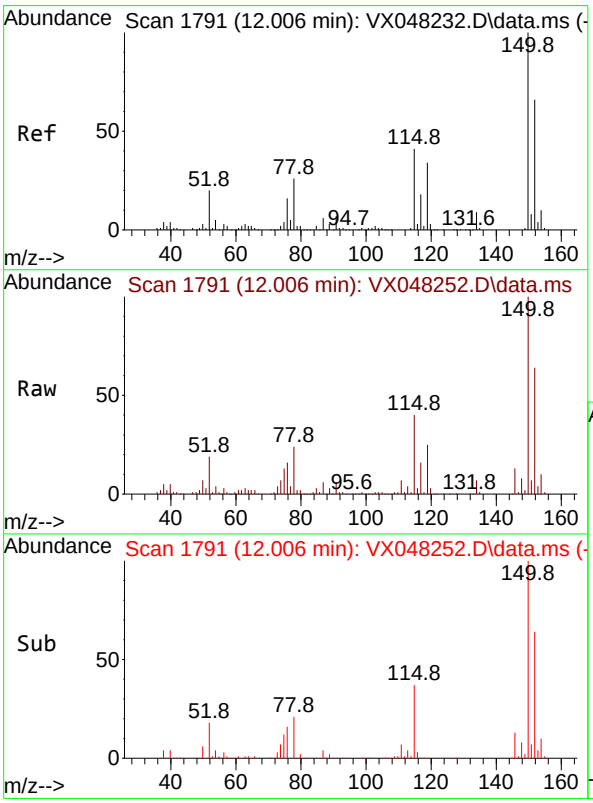
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 24.0 | 72.0 |
| 254 | 0.1 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

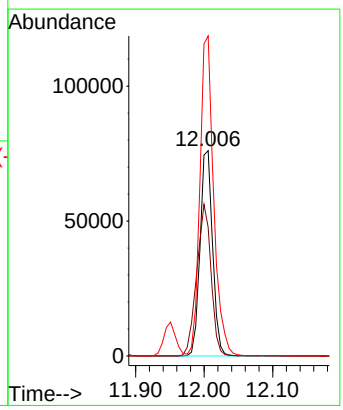
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

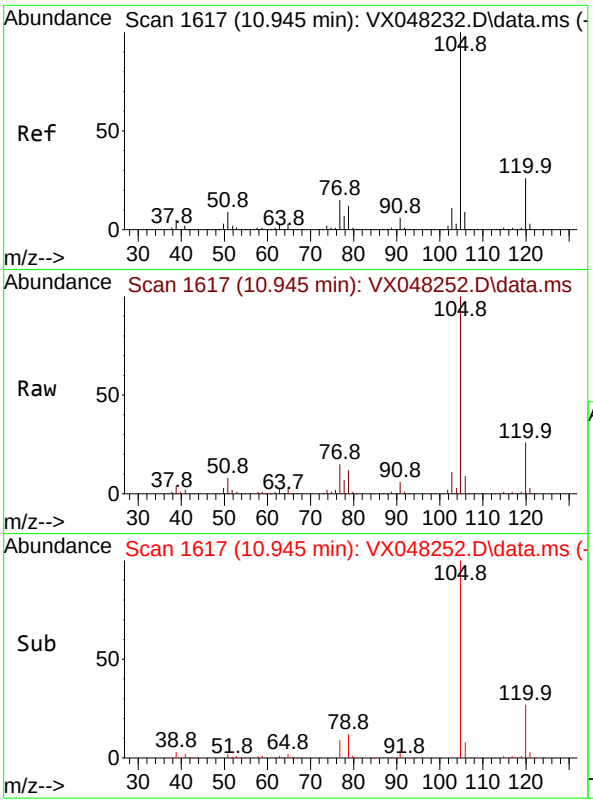



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:152 Resp: 96991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.4 | 43.1 | 129.4 |
| 150 | 171.4 | 0.0 | 353.0 |






#73
Isopropylbenzene
Concen: 46.258 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

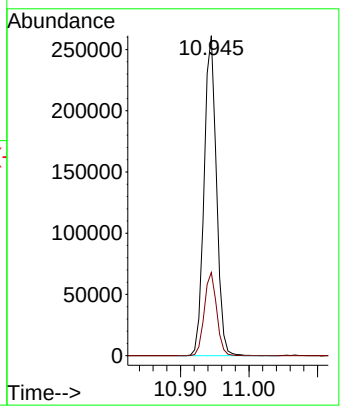
Tgt Ion:105 Resp: 32770

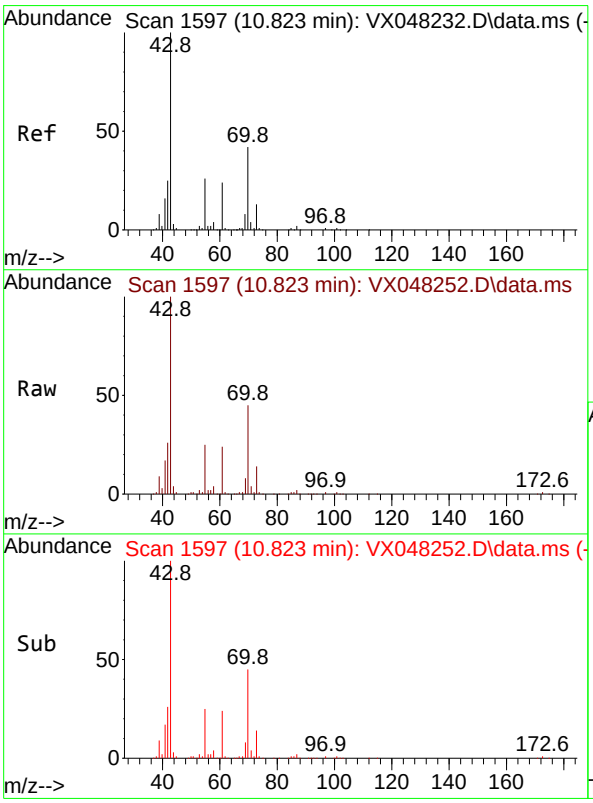
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 38.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

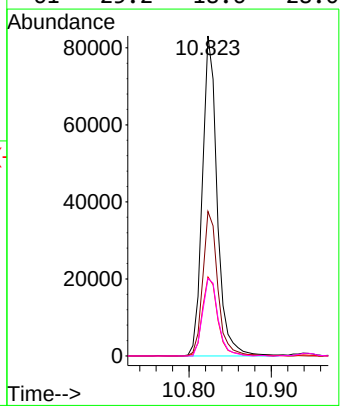


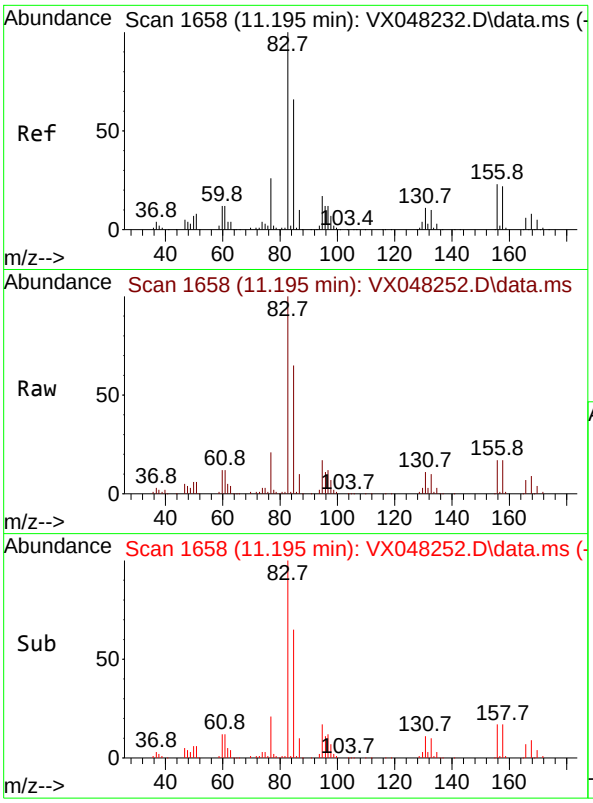




#74
N-amyl acetate
Concen: 41.490 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 43 Resp: 104260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 45.6 | 32.2 | 48.2 |
| 55 | 25.5 | 19.1 | 28.7 |
| 61 | 25.2 | 18.6 | 28.0 |






#75
1,1,2,2-Tetrachloroethane
Concen: 42.990 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

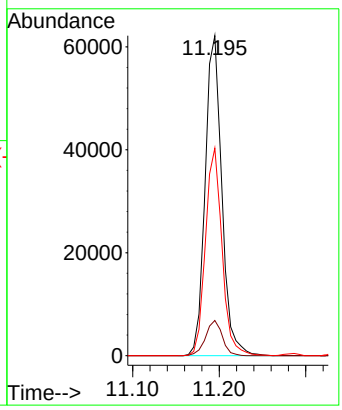
Tgt Ion: 83 Resp: 8316

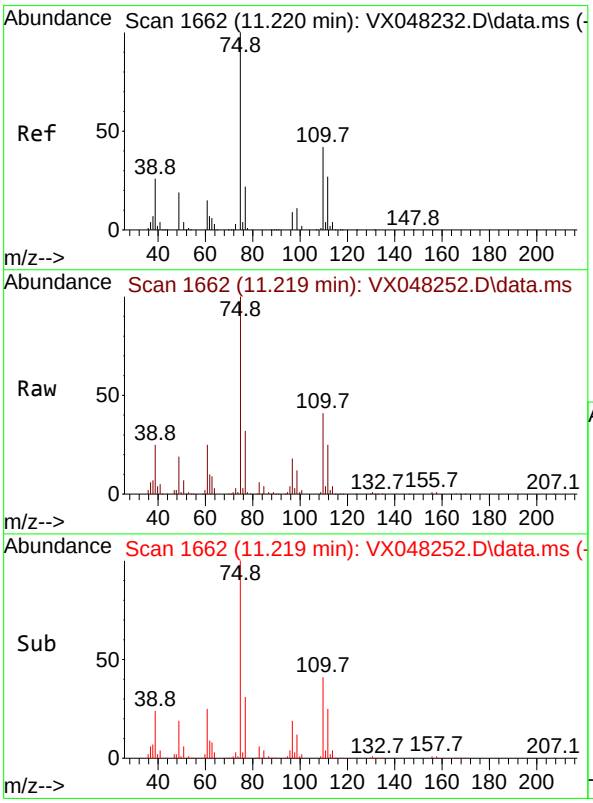
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 11.1 | 4.8 | 14.4 |
| 85 | 64.6 | 31.9 | 95.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

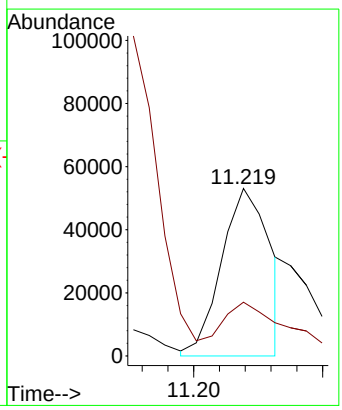


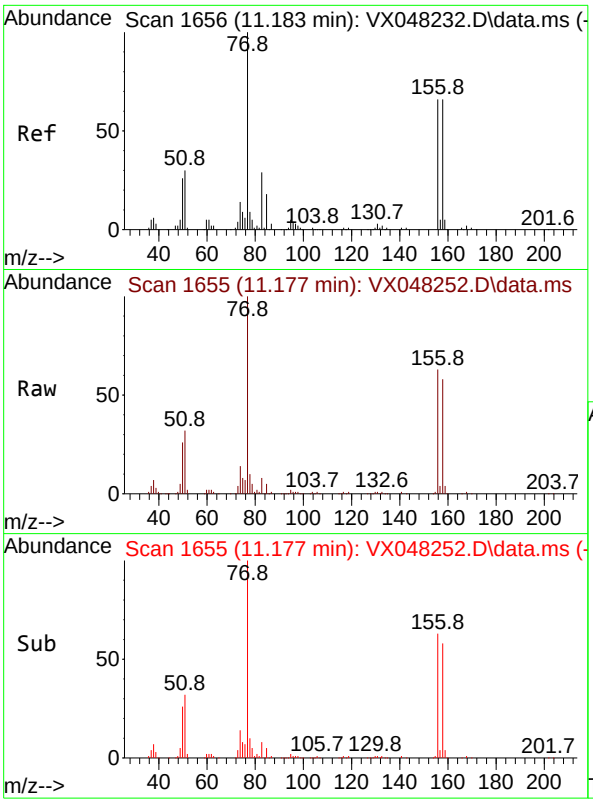




#76
1,2,3-Trichloropropane
Concen: 44.116 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 69389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 44.4 | 22.4 | 67.2 |

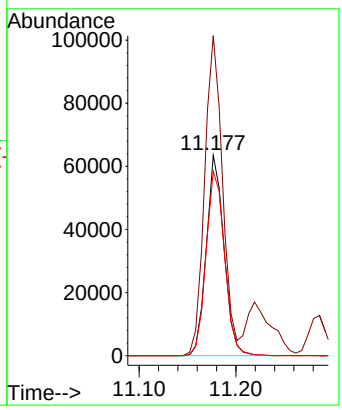





#77
Bromobenzene
Concen: 45.589 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:156 Resp: 8098

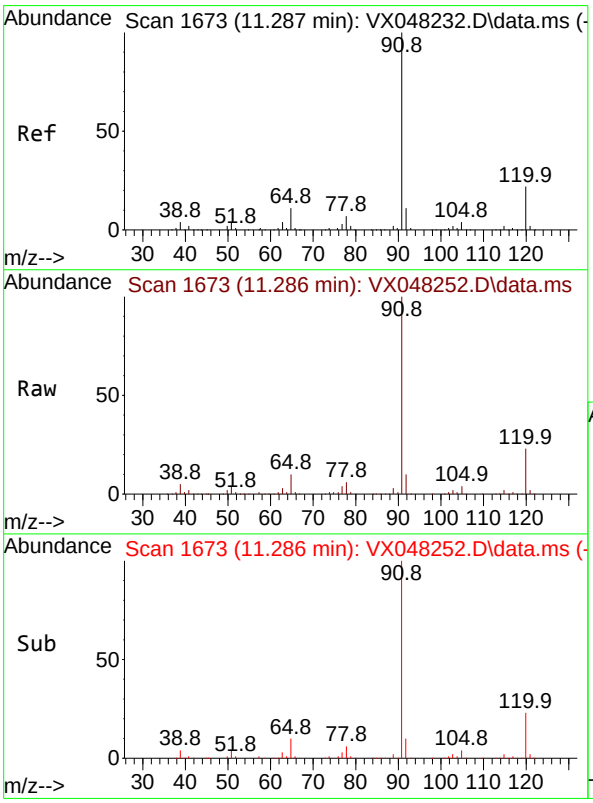
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 161.0 | 87.0 | 261.0 |
| 158 | 96.3 | 47.8 | 143.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

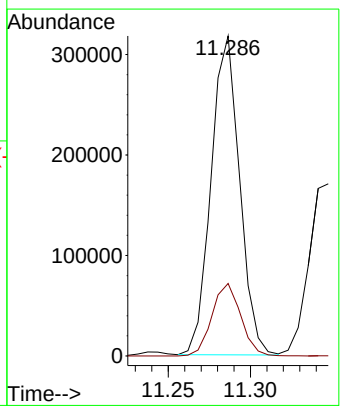
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

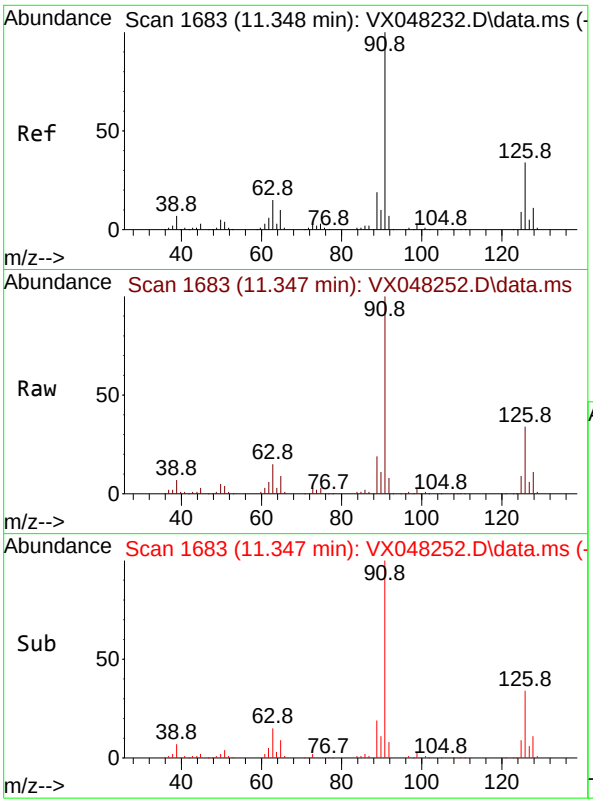



#78
n-propylbenzene
Concen: 46.739 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 91 Resp: 383372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.1 | 33.1 |






#79
2-Chlorotoluene
Concen: 45.456 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

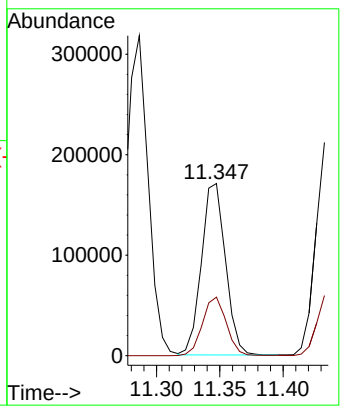
Tgt Ion: 91 Resp: 22605

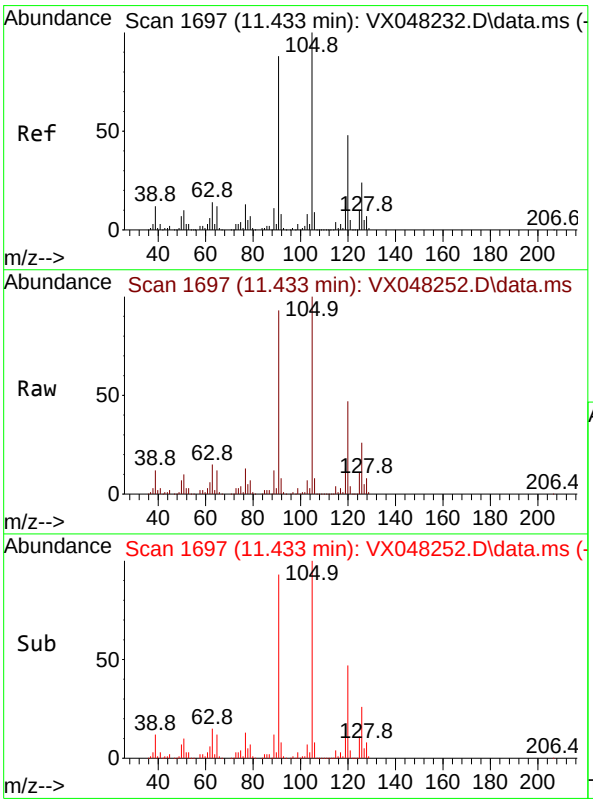
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.4 | 49.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

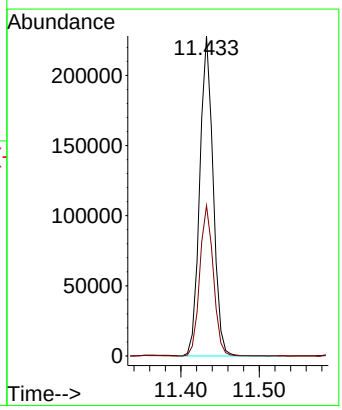


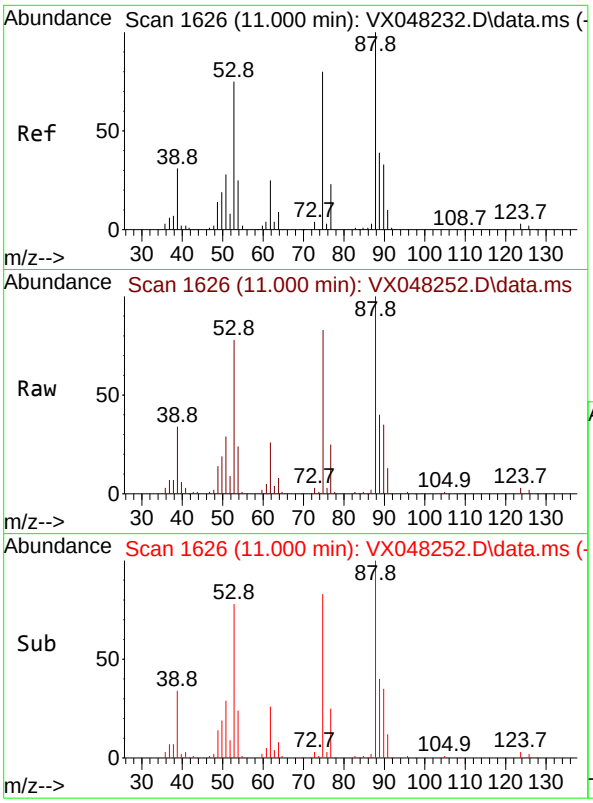




#80
1,3,5-Trimethylbenzene
Concen: 46.077 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:105 Resp: 270132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.8 | 24.0 | 72.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 43.041 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

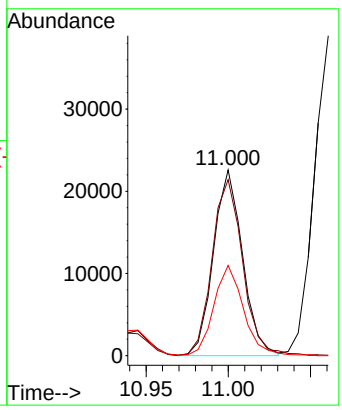
Tgt Ion: 75 Resp: 2782

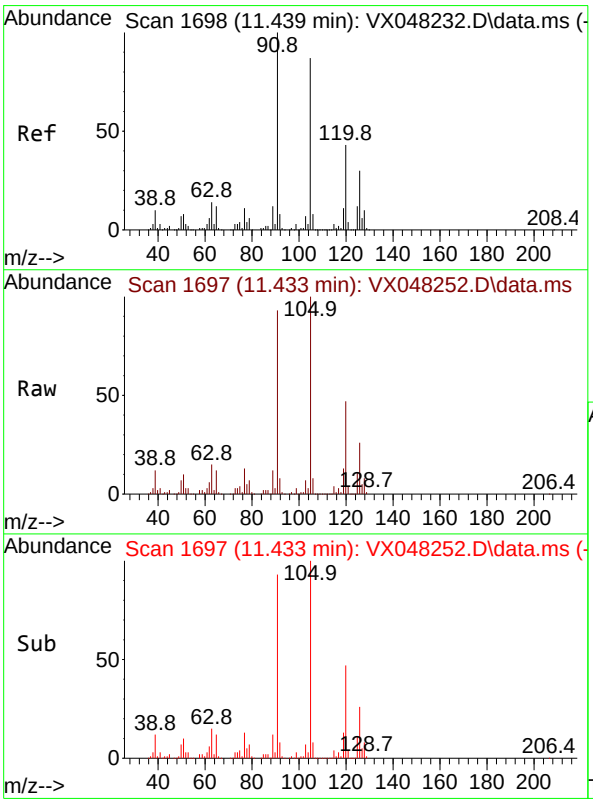
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 99.9 | 79.5 | 119.3 |
| 89 | 49.7 | 36.8 | 55.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

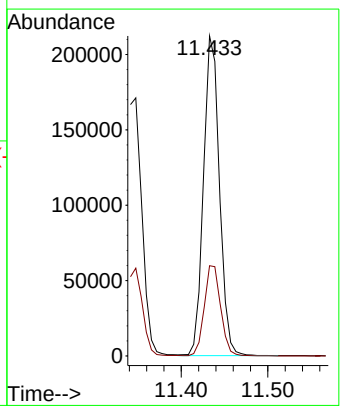


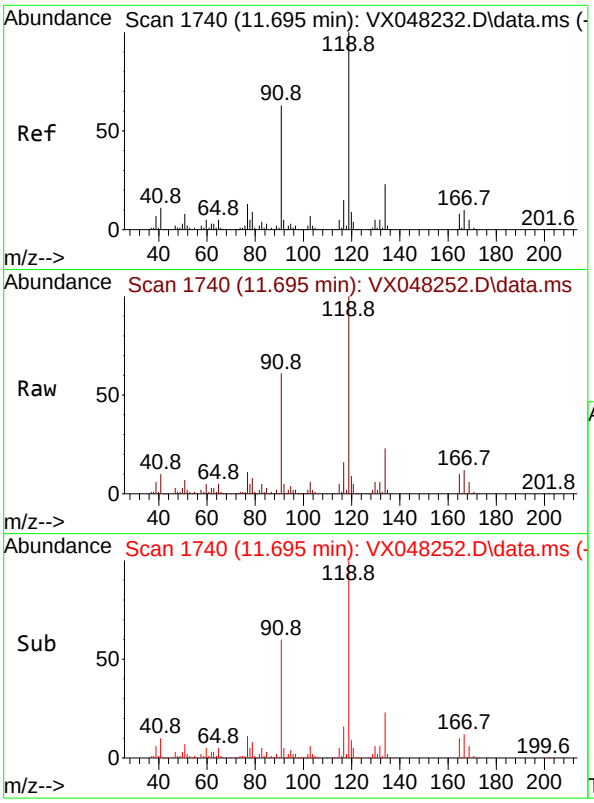




#82
4-Chlorotoluene
Concen: 45.973 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 91 Resp: 271398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.1 | 42.4 |

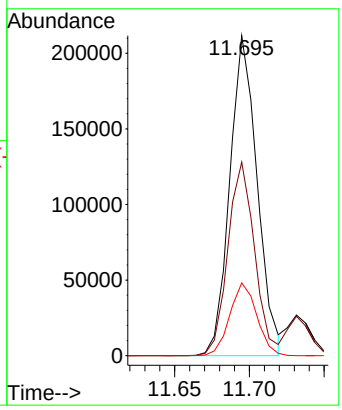





#83
tert-Butylbenzene
Concen: 44.748 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:119 Resp: 26954

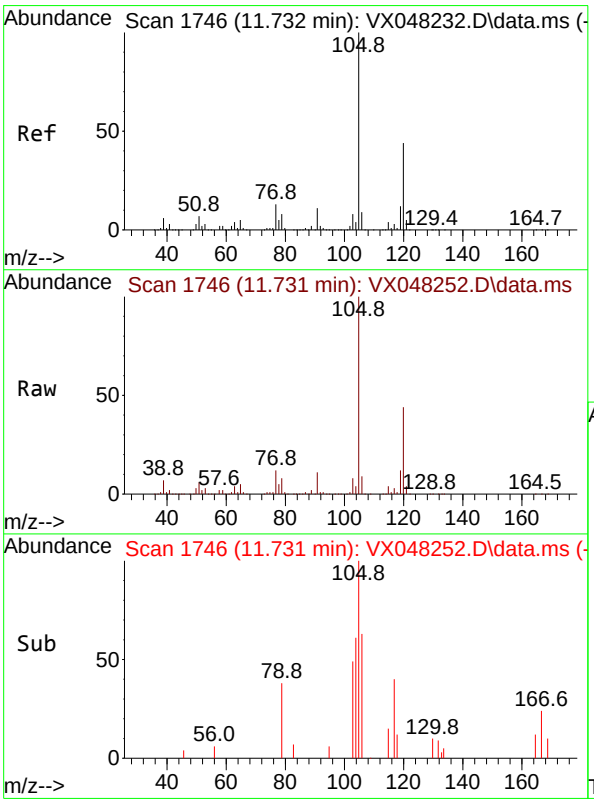
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.1 | 30.3 | 91.0 |
| 134 | 22.5 | 11.4 | 34.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

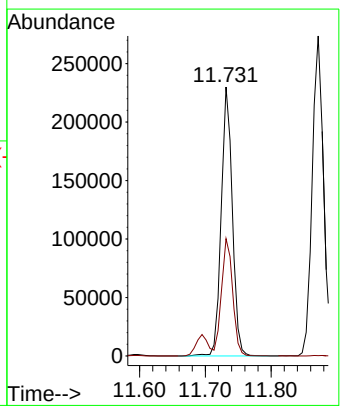
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

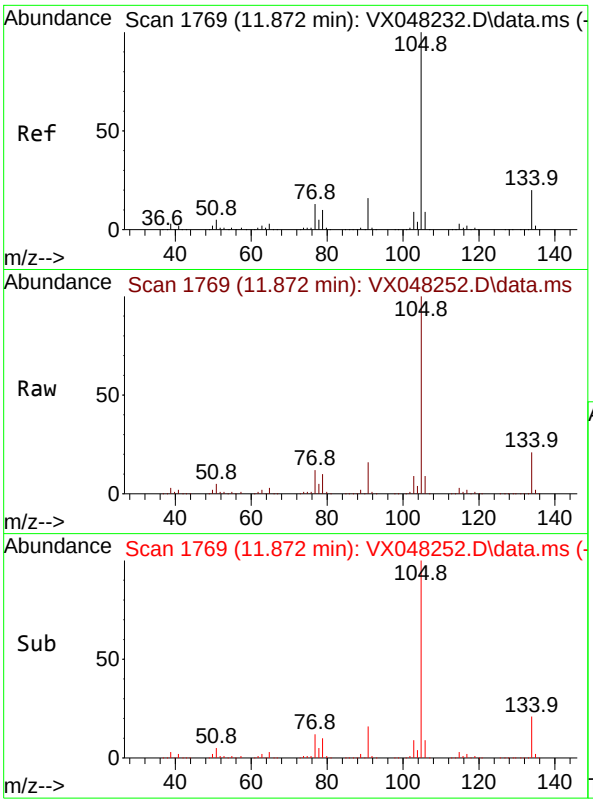



#84
1,2,4-Trimethylbenzene
Concen: 46.257 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:105 Resp: 270636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.7 | 22.1 | 66.5 |






#85
sec-Butylbenzene
Concen: 44.772 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

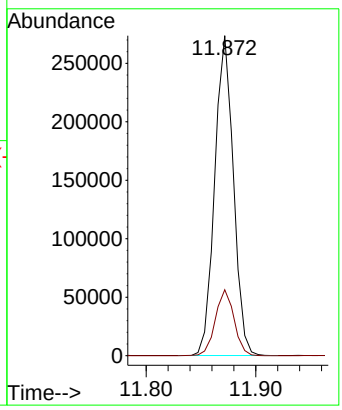
Tgt Ion:105 Resp: 32445

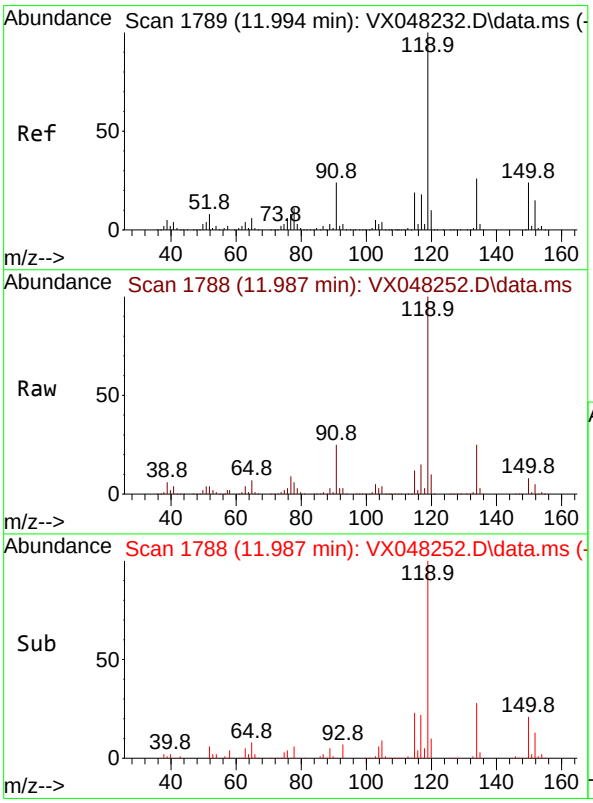
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.6 | 10.1 | 30.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

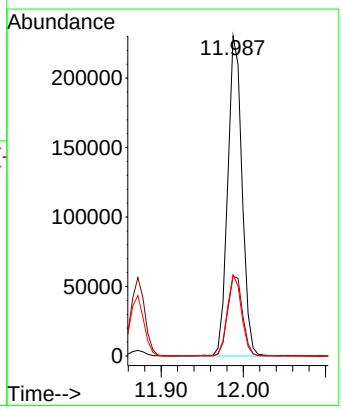


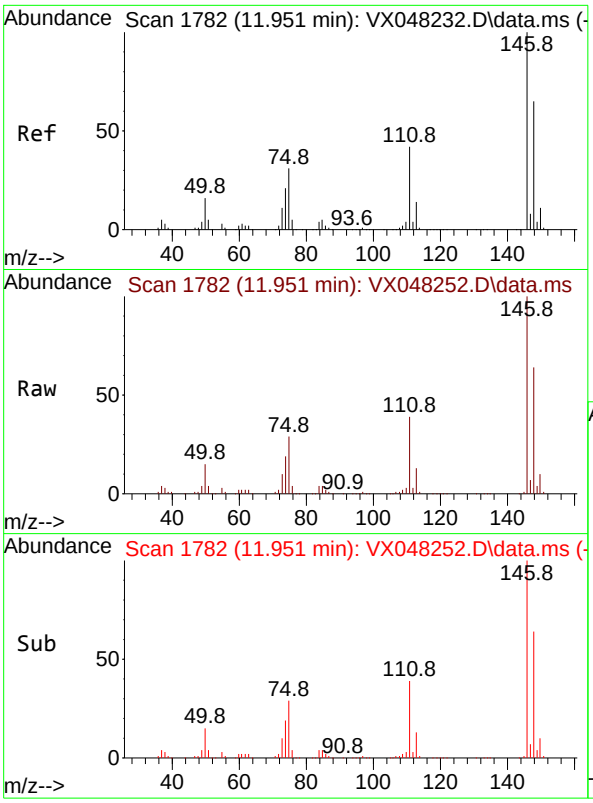




#86
p-Isopropyltoluene
Concen: 44.510 ug/l
RT: 11.987 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:119 Resp: 278806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.0 | 39.0 |
| 91 | 25.2 | 12.1 | 36.3 |

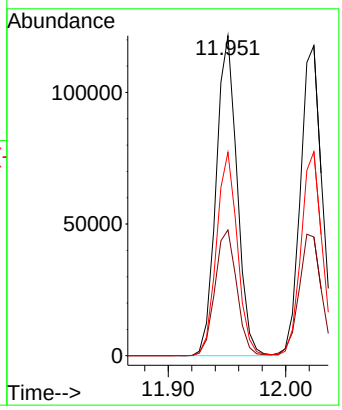





#87
1,3-Dichlorobenzene
Concen: 45.050 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:146 Resp: 15085

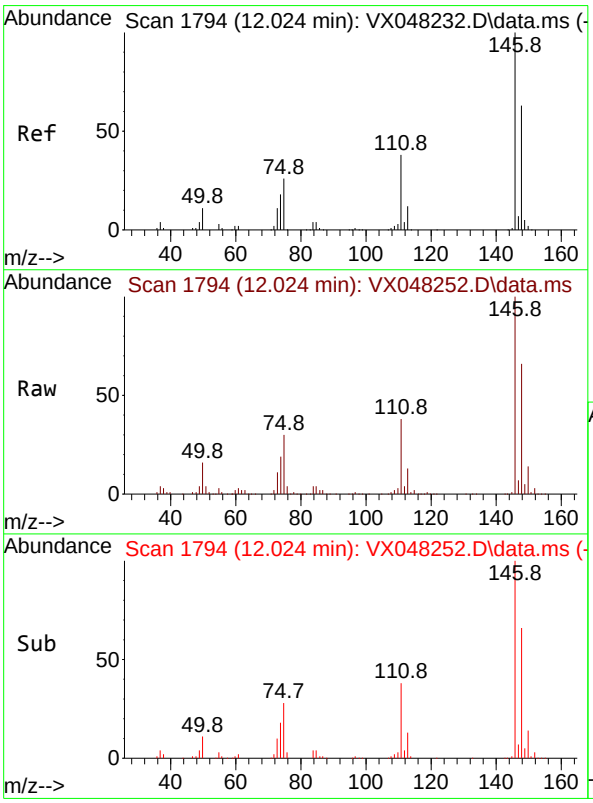
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 20.4 | 61.2 |
| 148 | 63.1 | 31.9 | 95.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

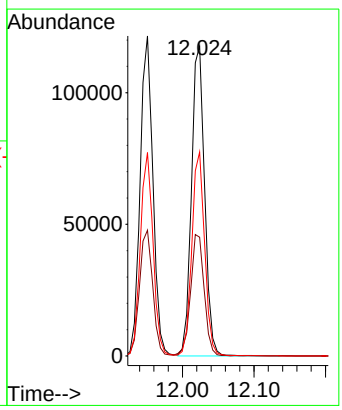
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

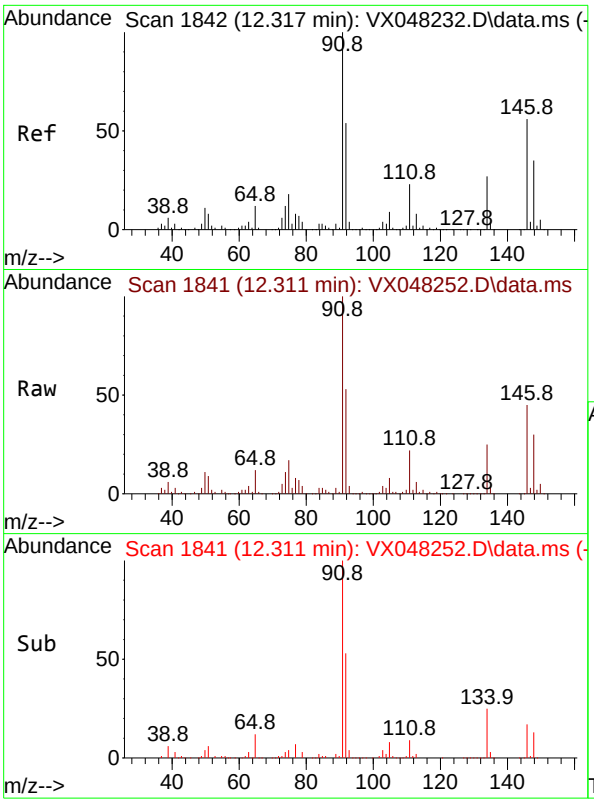



#88
1,4-Dichlorobenzene
Concen: 43.374 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:146 Resp: 150468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 20.1 | 60.2 |
| 148 | 64.4 | 31.8 | 95.3 |

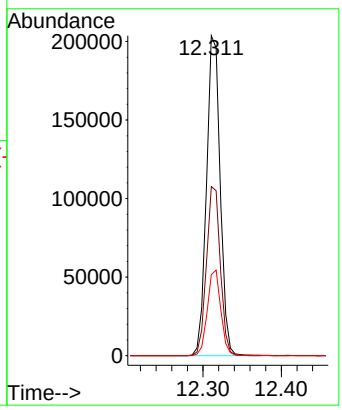





#89
n-Butylbenzene
Concen: 43.269 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

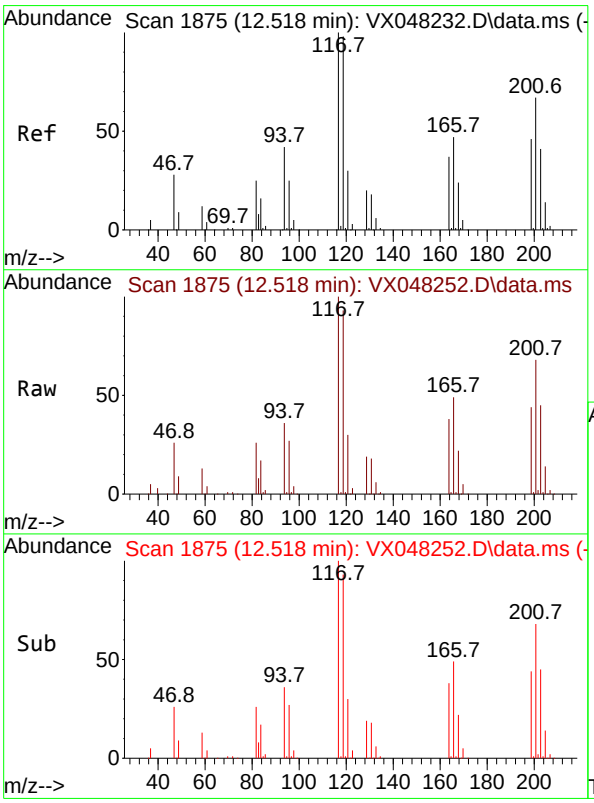
Tgt Ion: 91 Resp: 24669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.4 | 26.9 | 80.6 |
| 134 | 26.2 | 12.7 | 38.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

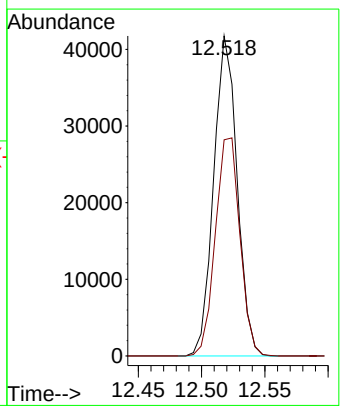
**Manual Integrations APPROVED**
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

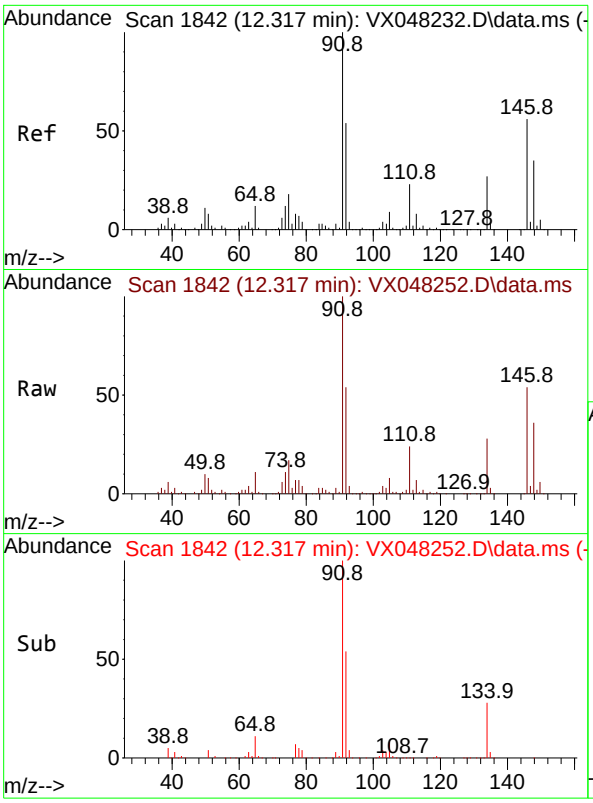



#90
Hexachloroethane
Concen: 43.425 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:117 Resp: 53716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.6 | 34.1 | 102.2 |

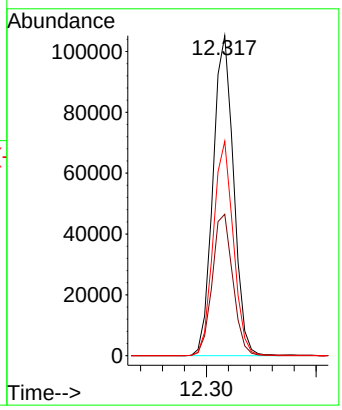





#91
1,2-Dichlorobenzene
Concen: 43.698 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:146 Resp: 13738

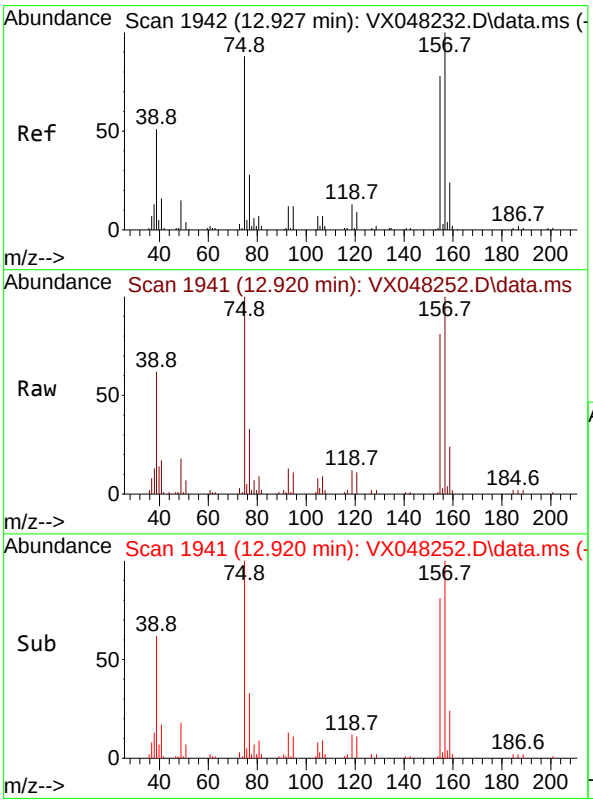
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 21.9 | 65.5 |
| 148 | 65.4 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

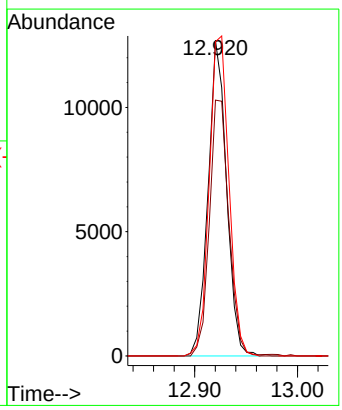
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

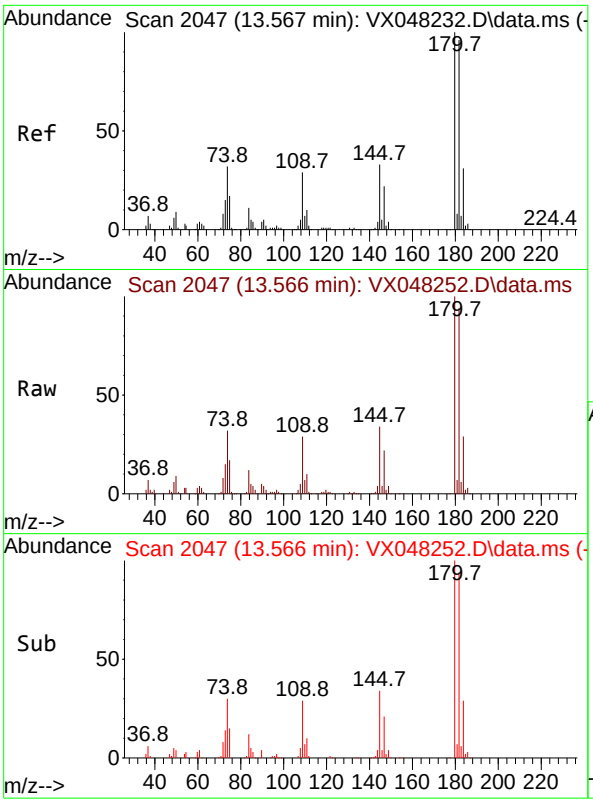



#92
1,2-Dibromo-3-Chloropropane
Concen: 40.283 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 15819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.2 | 42.8 | 128.4 |
| 157 | 108.0 | 54.2 | 162.6 |

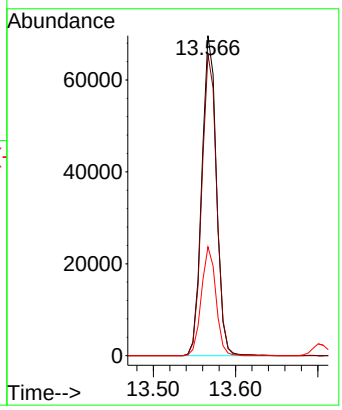





#93
1,2,4-Trichlorobenzene
Concen: 40.369 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:180 Resp: 8583

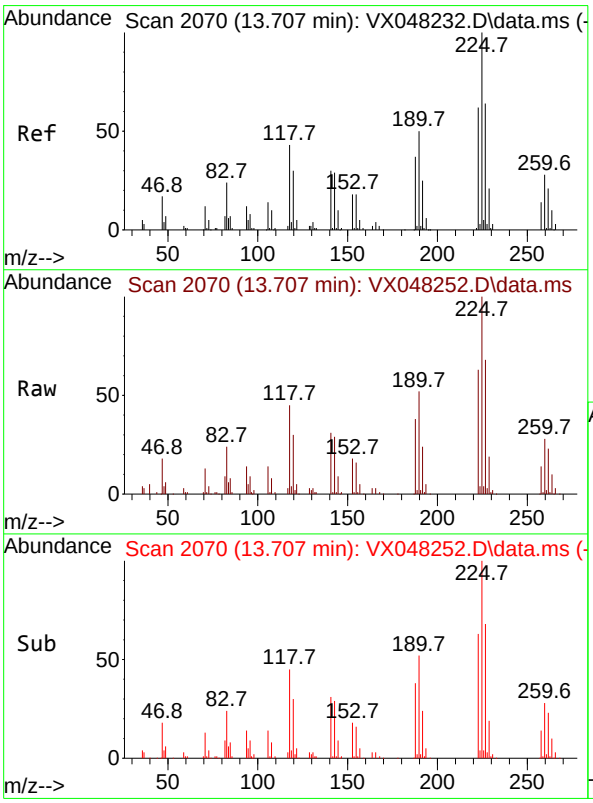
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 47.3 | 142.0 |
| 145 | 33.8 | 16.3 | 48.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

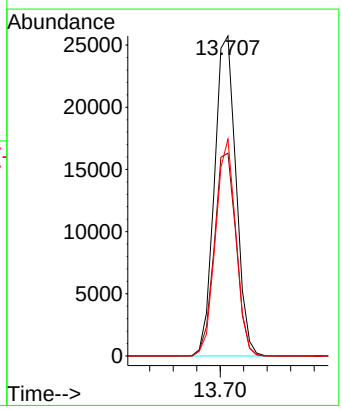
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

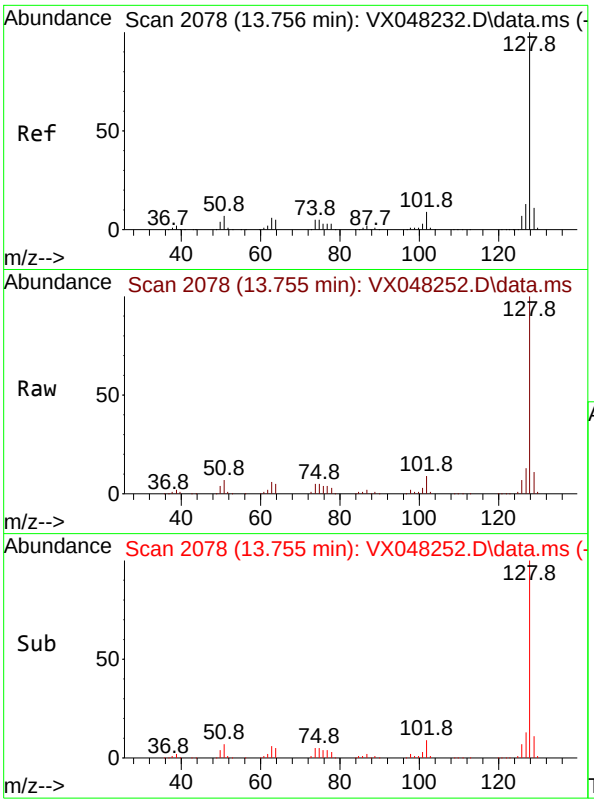



#94
Hexachlorobutadiene
Concen: 41.267 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:225 Resp: 32869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.3 | 32.6 | 97.7 |
| 227 | 64.0 | 32.5 | 97.4 |

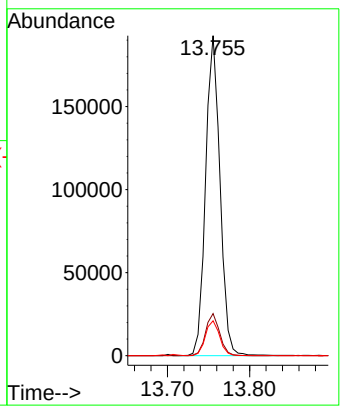





#95
Naphthalene
Concen: 41.531 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:128 Resp: 23394

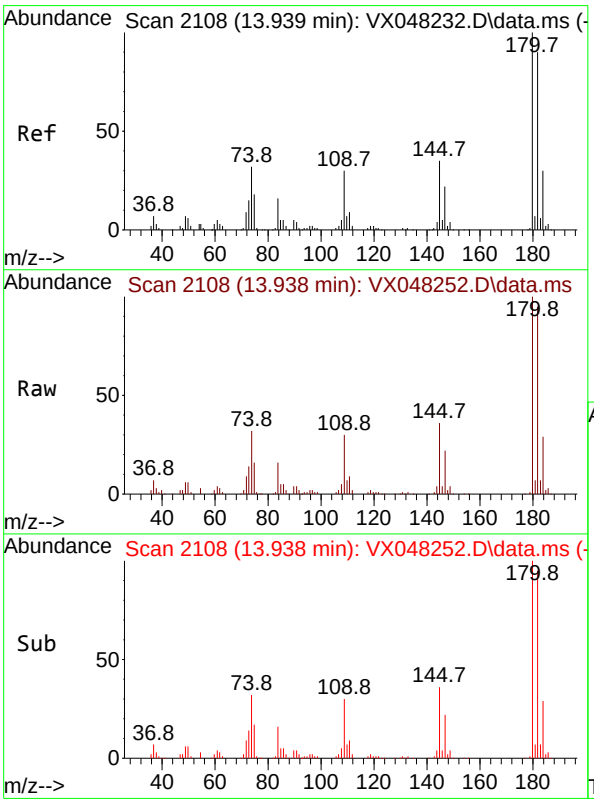
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.4 |
| 129 | 10.9 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

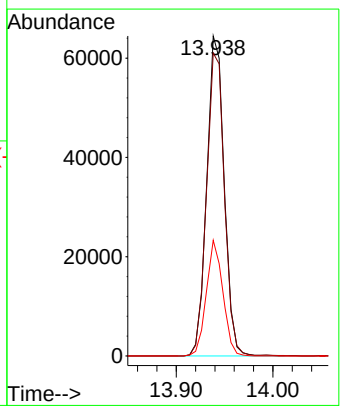
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025




#96
1,2,3-Trichlorobenzene
Concen: 41.446 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:180 Resp: 80863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.0 | 46.6 | 139.7 |
| 145 | 34.4 | 16.9 | 50.7 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 116 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 0.514 | 0.496 | 3.5 | 119 | 0.00 |
| 3 | P | Chloromethane | 0.480 | 0.468 | 2.5 | 121 | 0.00 |
| 4 | C | Vinyl Chloride | 0.444 | 0.448 | -0.9# | 125 | 0.00 |
| 5 | T | Bromomethane | 0.302 | 0.299 | 1.0 | 123 | 0.00 |
| 6 | T | Chloroethane | 0.261 | 0.261 | 0.0 | 123 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.852 | 0.813 | 4.6 | 117 | 0.00 |
| 8 | T | Diethyl Ether | 0.240 | 0.225 | 6.2 | 117 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.540 | 0.513 | 5.0 | 119 | 0.00 |
| 10 | T | Methyl Iodide | 0.678 | 0.621 | 8.4 | 108 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.070 | 0.048 | 31.4# | 90 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.525 | 0.498 | 5.1# | 119 | 0.00 |
| 13 | T | Acrolein | 0.071 | 0.077 | -8.5 | 138 | 0.00 |
| 14 | T | Allyl chloride | 0.872 | 0.795 | 8.8 | 114 | 0.00 |
| 15 | T | Acrylonitrile | 0.251 | 0.212 | 15.5 | 102 | 0.00 |
| 16 | T | Acetone | 0.240 | 0.230 | 4.2 | 132 | 0.00 |
| 17 | T | Carbon Disulfide | 1.654 | 1.439 | 13.0 | 116 | 0.00 |
| 18 | T | Methyl Acetate | 0.502 | 0.411 | 18.1 | 102 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.791 | 1.576 | 12.0 | 107 | -0.01 |
| 20 | T | Methylene Chloride | 0.586 | 0.556 | 5.1 | 117 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.577 | 0.538 | 6.8 | 116 | 0.00 |
| 22 | T | Diisopropyl ether | 1.738 | 1.614 | 7.1 | 112 | 0.00 |
| 23 | T | Vinyl Acetate | 1.389 | 1.256 | 9.6 | 108 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.051 | 0.952 | 9.4 | 113 | 0.00 |
| 25 | T | 2-Butanone | 0.304 | 0.260 | 14.5 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.949 | 0.853 | 10.1 | 113 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.673 | 0.610 | 9.4 | 113 | -0.01 |
| 28 | T | Bromochloromethane | 0.436 | 0.435 | 0.2 | 114 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.182 | 0.139 | 23.6 | 94 | 0.00 |
| 30 | C | Chloroform | 1.123 | 1.006 | 10.4# | 111 | 0.00 |
| 31 | T | Cyclohexane | 0.870 | 0.788 | 9.4 | 111 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.035 | 0.920 | 11.1 | 110 | -0.01 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.701 | 0.658 | 6.1 | 112 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.341 | 0.340 | 0.3 | 116 | -0.01 |
| 36 | T | 1,1-Dichloropropene | 0.485 | 0.431 | 11.1 | 112 | -0.01 |
| 37 | T | Ethyl Acetate | 0.402 | 0.325 | 19.2 | 99 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.599 | 0.533 | 11.0 | 108 | 0.00 |
| 39 | T | Methylcyclohexane | 0.573 | 0.510 | 11.0 | 106 | 0.00 |
| 40 | TM | Benzene | 1.409 | 1.280 | 9.2 | 111 | -0.01 |
| 41 | T | Methacrylonitrile | 0.211 | 0.180 | 14.7 | 99 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 0.520 | 0.466 | 10.4 | 105 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.661 | 0.540 | 18.3 | 96 | 0.00 |
| 44 | TM | Trichloroethene | 0.372 | 0.337 | 9.4 | 109 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.335 | 0.305 | 9.0# | 107 | 0.00 |
| 46 | T | Dibromomethane | 0.261 | 0.233 | 10.7 | 106 | 0.00 |
| 47 | T | Bromodichloromethane | 0.563 | 0.510 | 9.4 | 107 | 0.00 |
| 48 | T | Methyl methacrylate | 0.333 | 0.273 | 18.0 | 95 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 0.003 | 25.0 | 87 | 0.00 |
| 50 | S | Toluene-d8 | 1.196 | 1.150 | 3.8 | 109 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.381 | 0.302 | 20.7 | 90 | 0.00 |
| 52 | CM | Toluene | 0.895 | 0.795 | 11.2# | 104 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.543 | 0.493 | 9.2 | 102 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.586 | 0.529 | 9.7 | 104 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.333 | 0.291 | 12.6 | 102 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.487 | 0.414 | 15.0 | 95 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.568 | 0.497 | 12.5 | 102 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.232 | 0.223 | 3.9 | 97 | 0.00 |
| 59 | T | 2-Hexanone | 0.266 | 0.227 | 14.7 | 96 | 0.00 |
| 60 | T | Dibromochloromethane | 0.447 | 0.388 | 13.2 | 103 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.355 | 0.307 | 13.5 | 101 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.455 | 0.419 | 7.9 | 106 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 64 | T | Tetrachloroethene | 0.373 | 0.325 | 12.9 | 106 | 0.00 |
| 65 | PM | Chlorobenzene | 1.125 | 1.025 | 8.9 | 105 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.413 | 0.374 | 9.4 | 102 | 0.00 |
| 67 | C | Ethyl Benzene | 1.915 | 1.738 | 9.2# | 102 | 0.00 |
| 68 | T | m/p-Xylenes | 0.712 | 0.666 | 6.5 | 103 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.625 | 9.0 | 100 | 0.00 |
| 70 | T | Styrene | 1.170 | 1.107 | 5.4 | 103 | 0.00 |
| 71 | P | Bromoform | 0.330 | 0.283 | 14.2 | 98 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 73 | T | Isopropylbenzene | 3.652 | 3.379 | 7.5 | 103 | 0.00 |
| 74 | T | N-amyl acetate | 1.295 | 1.075 | 17.0 | 90 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.997 | 0.857 | 14.0 | 95 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.811 | 0.715 | 11.8 | 102 | 0.00 |
| 77 | T | Bromobenzene | 0.916 | 0.835 | 8.8 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 4.228 | 3.953 | 6.5 | 103 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.564 | 2.331 | 9.1 | 102 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.022 | 2.785 | 7.8 | 102 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.333 | 0.287 | 13.8 | 95 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.043 | 2.798 | 8.1 | 102 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.105 | 2.779 | 10.5 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.016 | 2.790 | 7.5 | 102 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.736 | 3.345 | 10.5 | 101 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.229 | 2.875 | 11.0 | 101 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.726 | 1.555 | 9.9 | 105 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.788 | 1.551 | 13.3 | 103 | 0.00 |
| 89 | T | n-Butylbenzene | 2.939 | 2.543 | 13.5 | 101 | 0.00 |
| 90 | T | Hexachloroethane | 0.638 | 0.554 | 13.2 | 102 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.621 | 1.416 | 12.6 | 99 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.202 | 0.163 | 19.3 | 88 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.096 | 0.885 | 19.3 | 97 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.507 | 0.339 | 33.1# | 95 | 0.00 |
| 95 | T | Naphthalene | 2.904 | 2.412 | 16.9 | 91 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 1.006 | 0.834 | 17.1 | 96 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 116 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 48.214 | 3.6 | 119 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.746 | 2.5 | 121 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 50.463 | -0.9# | 125 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 49.645 | 0.7 | 123 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 50.036 | -0.1 | 123 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.687 | 4.6 | 117 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.991 | 6.0 | 117 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.541 | 4.9 | 119 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 45.766 | 8.5 | 108 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 172.886 | 30.8# | 90 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.416 | 5.2# | 119 | 0.00 |
| 13 | T | Acrolein | 250.000 | 272.848 | -9.1 | 138 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 45.594 | 8.8 | 114 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 211.101 | 15.6 | 102 | 0.00 |
| 16 | T | Acetone | 250.000 | 239.598 | 4.2 | 132 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 43.489 | 13.0 | 116 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 40.924 | 18.2 | 102 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 44.001 | 12.0 | 107 | -0.01 |
| 20 | T | Methylene Chloride | 50.000 | 47.460 | 5.1 | 117 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 46.681 | 6.6 | 116 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 46.439 | 7.1 | 112 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 226.065 | 9.6 | 108 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 45.296 | 9.4 | 113 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 213.793 | 14.5 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 44.950 | 10.1 | 113 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 45.309 | 9.4 | 113 | -0.01 |
| 28 | T | Bromochloromethane | 50.000 | 49.917 | 0.2 | 114 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 190.379 | 23.8 | 94 | 0.00 |
| 30 | C | Chloroform | 50.000 | 44.807 | 10.4# | 111 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 45.286 | 9.4 | 111 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 44.462 | 11.1 | 110 | -0.01 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.938 | 6.1 | 112 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 112 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.844 | 0.3 | 116 | -0.01 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 44.412 | 11.2 | 112 | -0.01 |
| 37 | T | Ethyl Acetate | 50.000 | 40.418 | 19.2 | 99 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 44.491 | 11.0 | 108 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 44.497 | 11.0 | 106 | 0.00 |
| 40 | TM | Benzene | 50.000 | 45.424 | 9.2 | 111 | -0.01 |
| 41 | T | Methacrylonitrile | 50.000 | 42.707 | 14.6 | 99 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 44.791 | 10.4 | 105 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 40.859 | 18.3 | 96 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 45.286 | 9.4 | 109 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 45.586 | 8.8# | 107 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 44.649 | 10.7 | 106 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 45.265 | 9.5 | 107 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 41.000 | 18.0 | 95 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 782.834 | 21.7 | 87 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.070 | 3.9 | 109 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 198.518 | 20.6 | 90 | 0.00 |
| 52 | CM | Toluene | 50.000 | 44.443 | 11.1# | 104 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 45.367 | 9.3 | 102 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 45.199 | 9.6 | 104 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 43.758 | 12.5 | 102 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 42.533 | 14.9 | 95 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 43.726 | 12.5 | 102 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 213.469 | 14.6 | 97 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 213.881 | 14.4 | 96 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 43.319 | 13.4 | 103 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 43.228 | 13.5 | 101 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 46.072 | 7.9 | 106 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 43.569 | 12.9 | 106 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 45.568 | 8.9 | 105 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 45.215 | 9.6 | 102 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 45.371 | 9.3# | 102 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 93.624 | 6.4 | 103 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 45.486 | 9.0 | 100 | 0.00 |
| 70 | T | Styrene | 50.000 | 47.309 | 5.4 | 103 | 0.00 |
| 71 | P | Bromoform | 50.000 | 42.915 | 14.2 | 98 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 46.258 | 7.5 | 103 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 41.490 | 17.0 | 90 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 42.990 | 14.0 | 95 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 44.116 | 11.8 | 102 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 45.589 | 8.8 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 46.739 | 6.5 | 103 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 45.456 | 9.1 | 102 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 46.077 | 7.8 | 102 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 43.041 | 13.9 | 95 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 45.973 | 8.1 | 102 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 44.748 | 10.5 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 46.257 | 7.5 | 102 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 44.772 | 10.5 | 101 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 44.510 | 11.0 | 101 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 45.050 | 9.9 | 105 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 43.374 | 13.3 | 103 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 43.269 | 13.5 | 101 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 43.425 | 13.2 | 102 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 43.698 | 12.6 | 99 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 40.283 | 19.4 | 88 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 40.369 | 19.3 | 97 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 41.267 | 17.5 | 95 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 41.531 | 16.9 | 91 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 41.446 | 17.1 | 96 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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.: Q3371

Instrument ID: MSVOA_X | Calibration Date/Time: 10/21/2025 18:09

Lab File ID: VX048278.D | Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 10:59 13:49

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.514 | 0.469 | | -8.76 | 50 |
| Chloromethane | 0.480 | 0.395 | 0.1 | -17.71 | 50 |
| Vinyl Chloride | 0.444 | 0.366 | | -17.57 | 50 |
| Bromomethane | 0.302 | 0.258 | | -14.57 | 50 |
| Chloroethane | 0.261 | 0.231 | | -11.49 | 50 |
| Trichlorofluoromethane | 0.852 | 0.801 | | -5.99 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.540 | 0.479 | | -11.3 | 50 |
| 1,1-Dichloroethene | 0.525 | 0.490 | | -6.67 | 50 |
| Acetone | 0.240 | 0.185 | | -22.92 | 50 |
| Carbon Disulfide | 1.654 | 1.375 | | -16.87 | 50 |
| Methyl tert-butyl Ether | 1.791 | 1.749 | | -2.35 | 50 |
| Methyl Acetate | 0.502 | 0.451 | | -10.16 | 50 |
| Methylene Chloride | 0.586 | 0.564 | | -3.75 | 50 |
| trans-1,2-Dichloroethene | 0.577 | 0.537 | | -6.93 | 50 |
| 1,1-Dichloroethane | 1.051 | 0.987 | 0.1 | -6.09 | 50 |
| Cyclohexane | 0.870 | 0.770 | | -11.49 | 50 |
| 2-Butanone | 0.304 | 0.262 | | -13.82 | 50 |
| Carbon Tetrachloride | 0.599 | 0.547 | | -8.68 | 50 |
| cis-1,2-Dichloroethene | 0.673 | 0.652 | | -3.12 | 50 |
| Bromochloromethane | 0.436 | 0.416 | | -4.59 | 50 |
| Chloroform | 1.123 | 1.104 | | -1.69 | 50 |
| 1,1,1-Trichloroethane | 1.035 | 1.009 | | -2.51 | 50 |
| Methylcyclohexane | 0.573 | 0.489 | | -14.66 | 50 |
| Benzene | 1.409 | 1.285 | | -8.8 | 50 |
| 1,2-Dichloroethane | 0.520 | 0.519 | | -0.19 | 50 |
| Trichloroethene | 0.372 | 0.348 | | -6.45 | 50 |
| 1,2-Dichloropropane | 0.335 | 0.311 | | -7.16 | 50 |
| Bromodichloromethane | 0.563 | 0.545 | | -3.2 | 50 |
| 4-Methyl-2-Pentanone | 0.381 | 0.346 | | -9.19 | 50 |
| Toluene | 0.895 | 0.860 | | -3.91 | 50 |
| t-1,3-Dichloropropene | 0.543 | 0.540 | | -0.55 | 50 |
| cis-1,3-Dichloropropene | 0.586 | 0.561 | | -4.27 | 50 |
| 1,1,2-Trichloroethane | 0.333 | 0.324 | | -2.7 | 50 |
| 2-Hexanone | 0.266 | 0.244 | | -8.27 | 50 |
| Dibromochloromethane | 0.447 | 0.441 | | -1.34 | 50 |
| 1,2-Dibromoethane | 0.355 | 0.344 | | -3.1 | 50 |
| Tetrachloroethene | 0.373 | 0.316 | | -15.28 | 50 |
| Chlorobenzene | 1.125 | 1.027 | 0.3 | -8.71 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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.: Q3371

Instrument ID: MSVOA_X | Calibration Date/Time: 10/21/2025 18:09

Lab File ID: VX048278.D | Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 10:59 13:49

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.915 | 1.736 | | -9.35 | 50 |
| m/p-Xylenes | 0.712 | 0.662 | | -7.02 | 50 |
| o-Xylene | 0.687 | 0.645 | | -6.11 | 50 |
| Styrene | 1.170 | 1.126 | | -3.76 | 50 |
| Bromoform | 0.330 | 0.304 | 0.1 | -7.88 | 50 |
| Isopropylbenzene | 3.652 | 3.018 | | -17.36 | 50 |
| 1,1,2,2-Tetrachloroethane | 0.997 | 0.843 | 0.3 | -15.45 | 50 |
| 1,3-Dichlorobenzene | 1.726 | 1.412 | | -18.19 | 50 |
| 1,4-Dichlorobenzene | 1.788 | 1.440 | | -19.46 | 50 |
| 1,2-Dichlorobenzene | 1.621 | 1.364 | | -15.85 | 50 |
| 1,2-Dibromo-3-Chloropropane | 0.202 | 0.166 | | -17.82 | 50 |
| 1,2,4-Trichlorobenzene | 1.096 | 0.844 | | -22.99 | 50 |
| 1,2,3-Trichlorobenzene | 1.006 | 0.810 | | -19.48 | 50 |
| 1,2-Dichloroethane-d4 | 0.701 | 0.787 | | 12.27 | 50 |
| Dibromofluoromethane | 0.341 | 0.360 | | 5.57 | 50 |
| Toluene-d8 | 1.196 | 1.238 | | 3.51 | 50 |
| 4-Bromofluorobenzene | 0.455 | 0.547 | | 20.22 | 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\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 110260 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 183155 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 177679 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 103139 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 86809 | 56.153 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 112.300% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 66021 | 52.800 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 105.600% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 226656 | 51.716 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 103.440% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 100241 | 60.121 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 120.240% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 51728 | 45.636 | ug/l | 96 |
| 3) Chloromethane | 1.300 | 50 | 43511 | 41.125 | ug/l | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 40381 | 41.217 | ug/l | 100 |
| 5) Bromomethane | 1.617 | 94 | 28469 | 42.818 | ug/l | 97 |
| 6) Chloroethane | 1.697 | 64 | 25432 | 44.175 | ug/l | 92 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 88297 | 46.992 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 24255 | 45.877 | ug/l | 83 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 52798 | 44.374 | ug/l | 95 |
| 10) Methyl Iodide | 2.459 | 142 | 76908 | 51.416 | ug/l | 98 |
| 11) Tert butyl alcohol | 2.940 | 59 | 31351 | 204.253 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 53980 | 46.632 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 42126 | 269.101 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 86002 | 44.749 | ug/l | 93 |
| 15) Acrylonitrile | 3.056 | 53 | 127802 | 230.910 | ug/l | 100 |
| 16) Acetone | 2.373 | 43 | 101775 | 191.905 | ug/l | 97 |
| 17) Carbon Disulfide | 2.514 | 76 | 151626 | 41.561 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 49775 | 44.941 | ug/l | 91 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 192863 | 48.837 | ug/l | 96 |
| 20) Methylene Chloride | 2.788 | 84 | 62187 | 48.124 | ug/l | 90 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 59217 | 46.571 | ug/l | 100 |
| 22) Diisopropyl ether | 3.751 | 45 | 183332 | 47.827 | ug/l # | 88 |
| 23) Vinyl Acetate | 3.715 | 43 | 742546 | 242.501 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 108877 | 46.973 | ug/l | 99 |
| 25) 2-Butanone | 4.538 | 43 | 144575 | 215.374 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 93655 | 44.766 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 71911 | 48.458 | ug/l | 97 |
| 28) Bromochloromethane | 4.891 | 49 | 45824 | 47.680 | ug/l # | 81 |
| 29) Tetrahydrofuran | 4.989 | 42 | 87839 | 218.490 | ug/l | 89 |
| 30) Chloroform | 5.086 | 83 | 121680 | 49.137 | ug/l | 98 |
| 31) Cyclohexane | 5.464 | 56 | 84891 | 44.238 | ug/l # | 86 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 111254 | 48.747 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 80634 | 45.371 | ug/l | 98 |
| 37) Ethyl Acetate | 4.702 | 43 | 63123 | 42.851 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 100140 | 45.671 | ug/l | 99 |
| 39) Methylcyclohexane | 7.366 | 83 | 89560 | 42.670 | ug/l | 96 |
| 40) Benzene | 6.025 | 78 | 235395 | 45.621 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.903 | 41 | 35543 | 45.945 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 95021 | 49.906 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.324 | 43 | 109791 | 45.374 | ug/l | | 96 |
| 44) Trichloroethene | 7.110 | 130 | 63675 | 46.735 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 57013 | 46.474 | ug/l | | 95 |
| 46) Dibromomethane | 7.568 | 93 | 45069 | 47.155 | ug/l | | 93 |
| 47) Bromodichloromethane | 7.805 | 83 | 99888 | 48.404 | ug/l | | 96 |
| 48) Methyl methacrylate | 7.677 | 41 | 56463 | 46.243 | ug/l | | 94 |
| 49) 1,4-Dioxane | 7.647 | 88 | 14536 | 901.119 | ug/l | | 89 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 317029 | 227.242 | ug/l | | 94 |
| 52) Toluene | 8.702 | 92 | 157443 | 48.031 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 98842 | 49.703 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 102835 | 47.929 | ug/l | | 93 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 59379 | 48.711 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.104 | 69 | 87411 | 49.025 | ug/l | | 95 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 102643 | 49.295 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 230656 | 240.651 | ug/l | | 94 |
| 59) 2-Hexanone | 9.415 | 43 | 223051 | 229.287 | ug/l | | 95 |
| 60) Dibromochloromethane | 9.506 | 129 | 80763 | 49.293 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 63070 | 48.532 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.256 | 164 | 56206 | 42.374 | ug/l | | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 182408 | 45.637 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 67128 | 45.726 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 308525 | 45.338 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 235258 | 93.046 | ug/l | | 100 |
| 69) o-Xylene | 10.628 | 106 | 114670 | 46.976 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 200106 | 48.144 | ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 53984 | 46.009 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 311296 | 41.323 | ug/l | | 99 |
| 74) N-amyl acetate | 10.823 | 43 | 107536 | 40.243 | ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 86911 | 42.247 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 79495m | 47.529 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 80549 | 42.643 | ug/l | | 94 |
| 78) n-propylbenzene | 11.286 | 91 | 365847 | 41.944 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 220518 | 41.700 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 264110 | 42.365 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 27633 | 40.195 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 265279 | 42.258 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.695 | 119 | 269712 | 42.107 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 264898 | 42.577 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 314902 | 40.863 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.988 | 119 | 272639 | 40.931 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 145669 | 40.908 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 148555 | 40.270 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.311 | 91 | 236982 | 39.088 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 50186 | 38.153 | ug/l | | 92 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 140638 | 42.066 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 17092 | 40.930 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 87024 | 38.490 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 32660 | 38.565 | ug/l | | 97 |
| 95) Naphthalene | 13.756 | 128 | 250514 | 41.822 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 83499 | 40.246 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

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

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

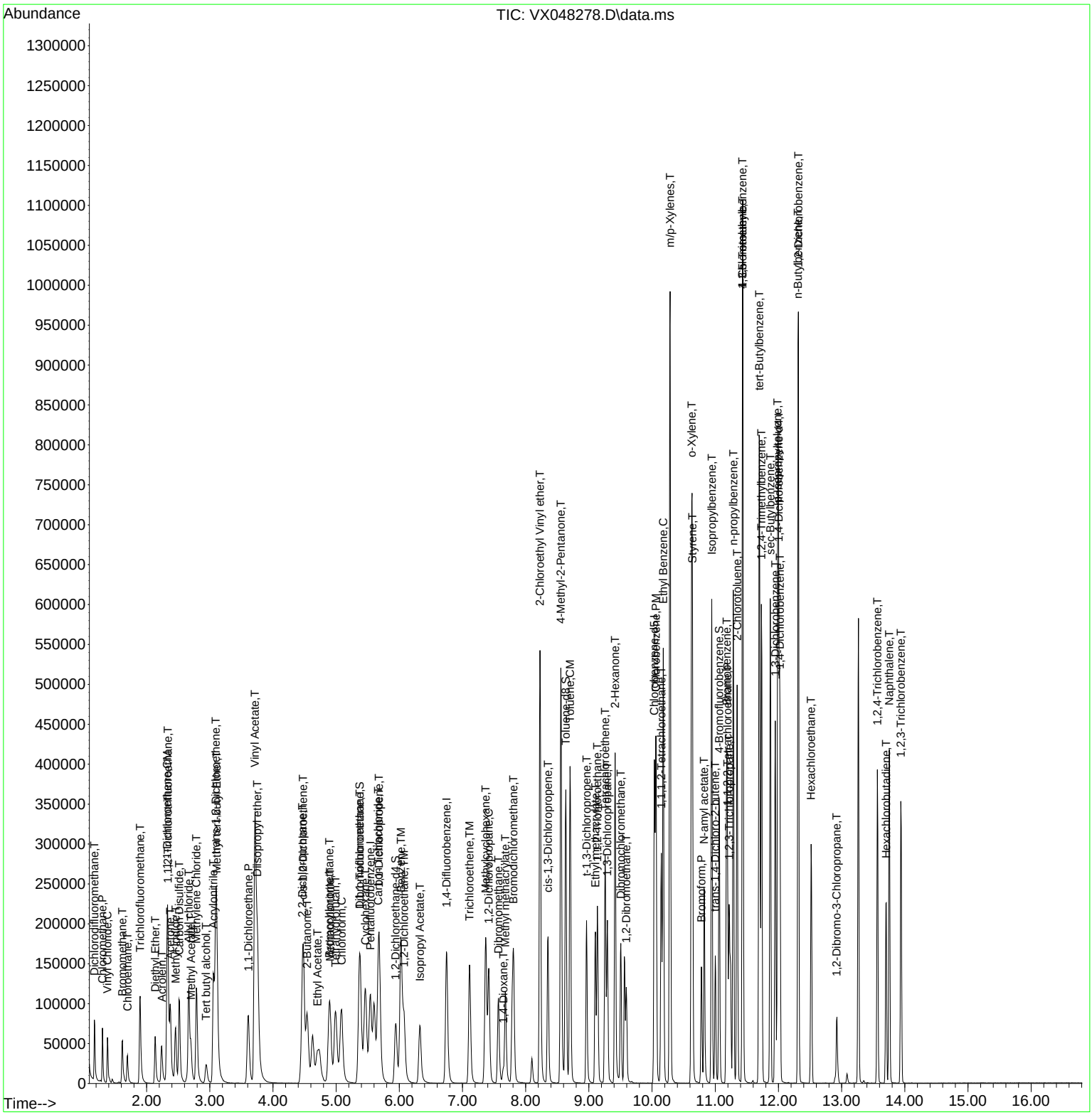
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

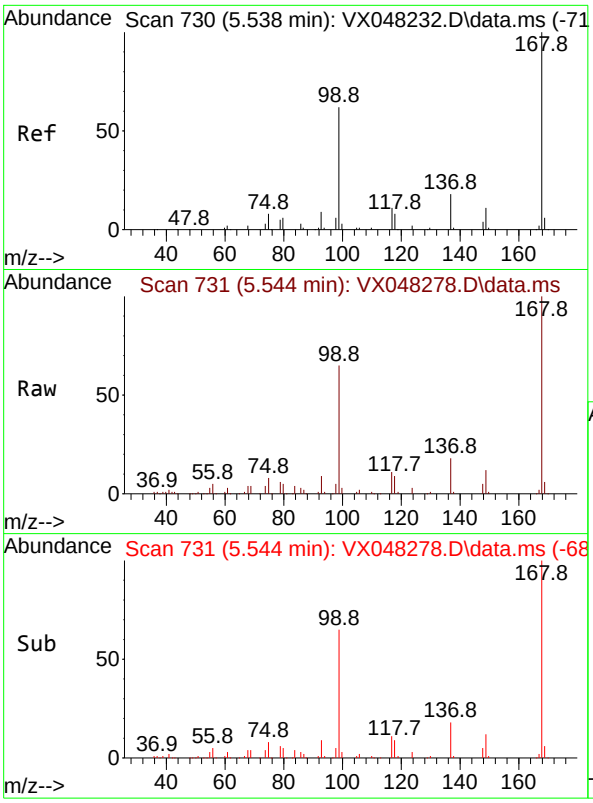
Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

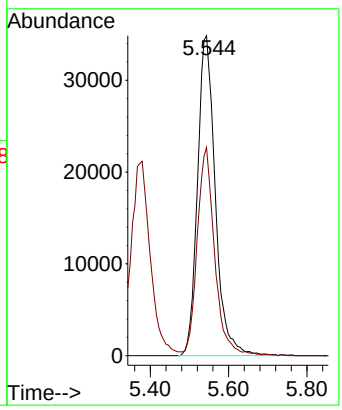





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:168 Resp: 11026

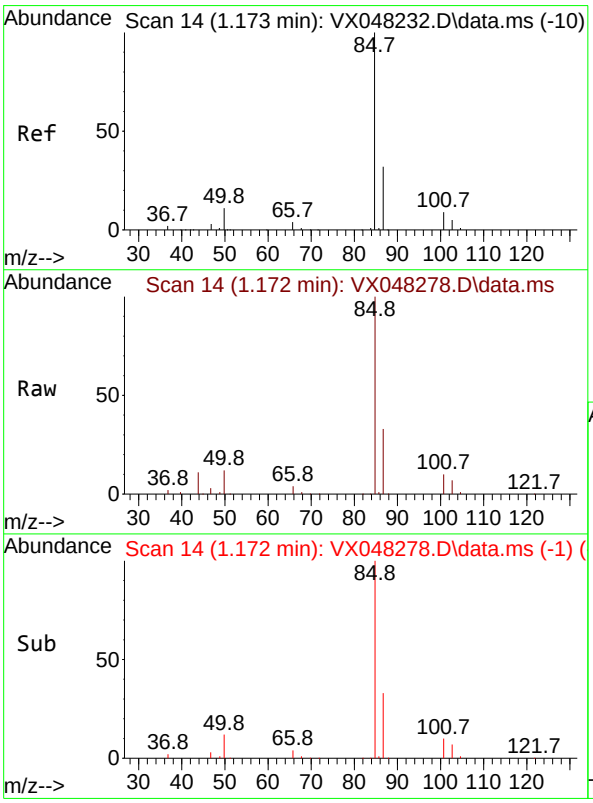
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 65.1 | 46.4 | 69.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

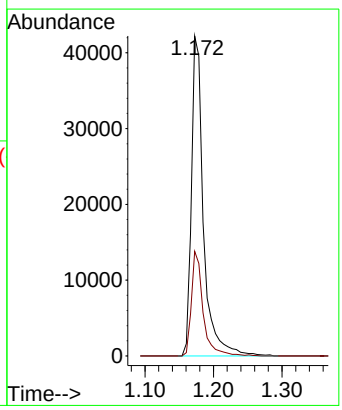
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

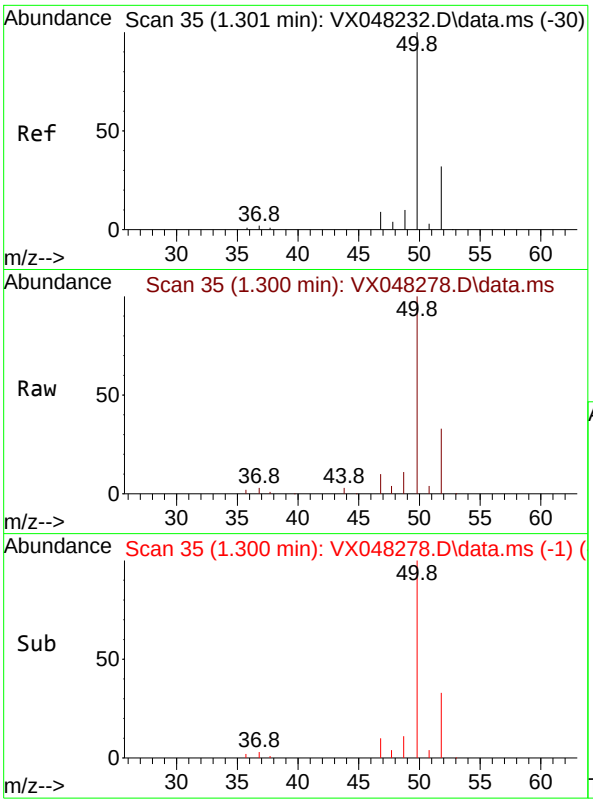



#2
Dichlorodifluoromethane
Concen: 45.636 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 85 Resp: 51728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.7 | 15.3 | 45.9 |

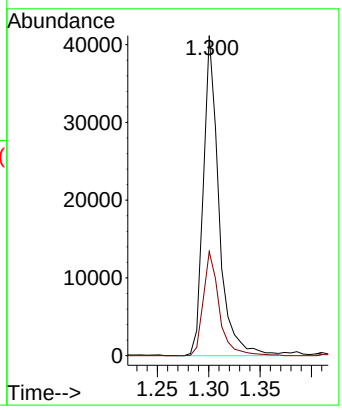





#3
Chloromethane
Concen: 41.125 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 50 Resp: 4351

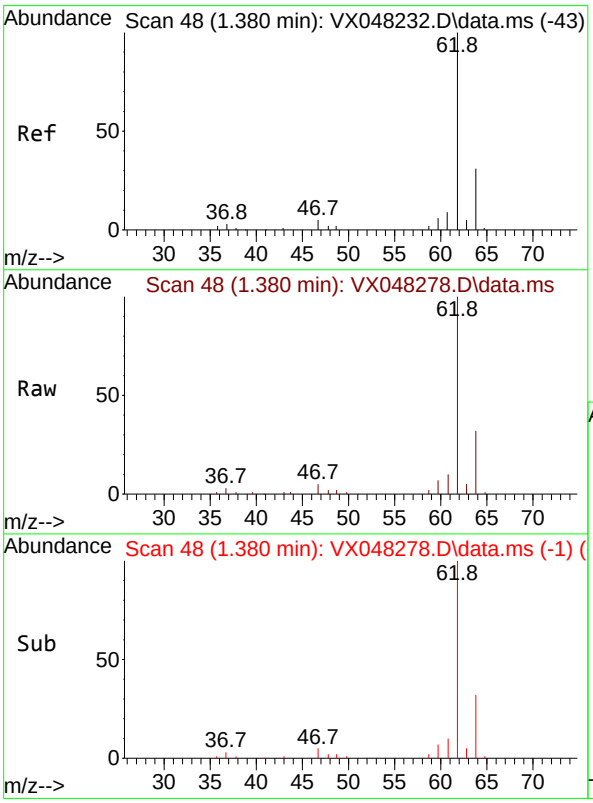
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

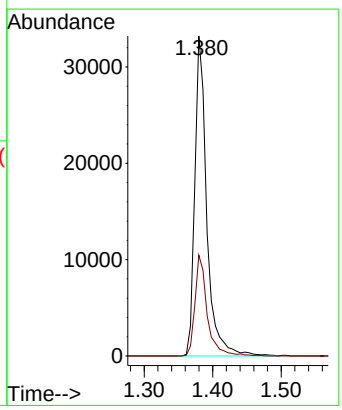
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

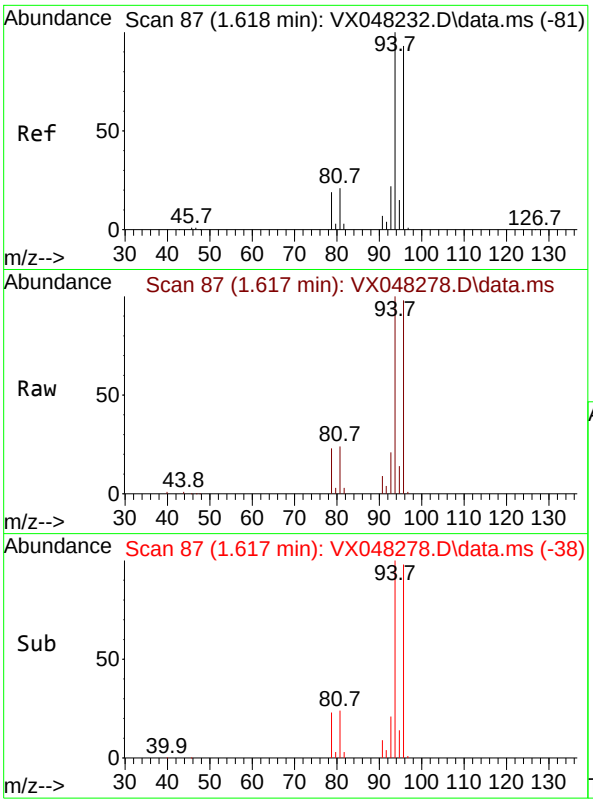



#4
Vinyl Chloride
Concen: 41.217 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 62 Resp: 40381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 25.1 | 37.7 |

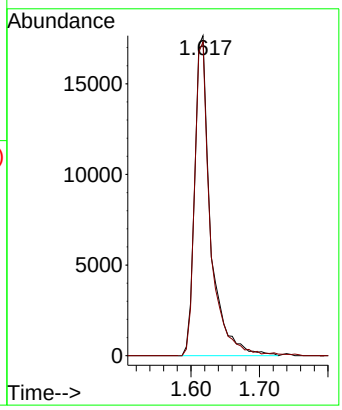





#5
Bromomethane
Concen: 42.818 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 94 Resp: 2846

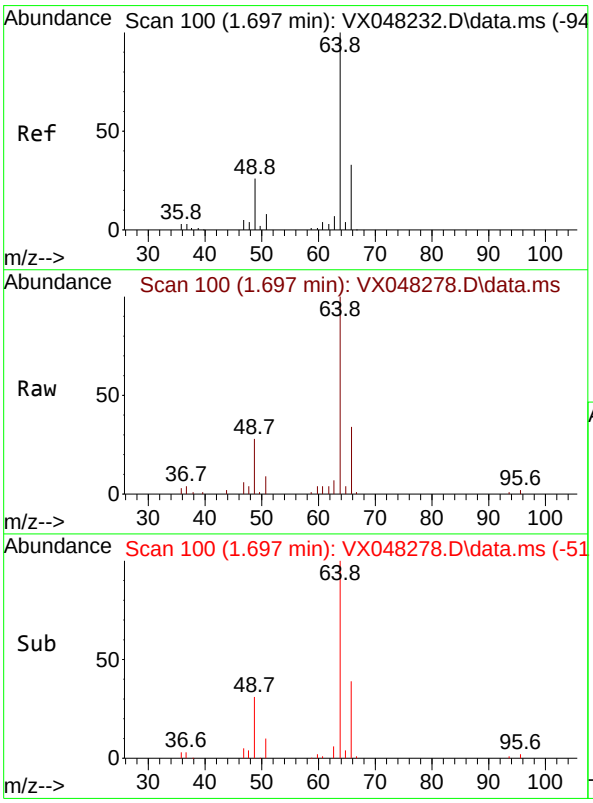
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 98.1 | 76.0 | 114.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

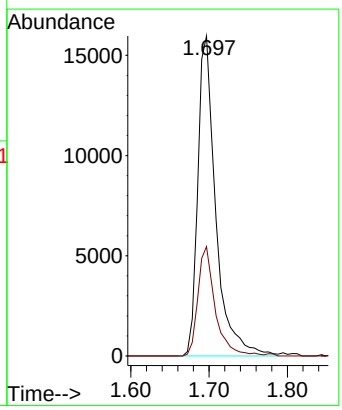
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

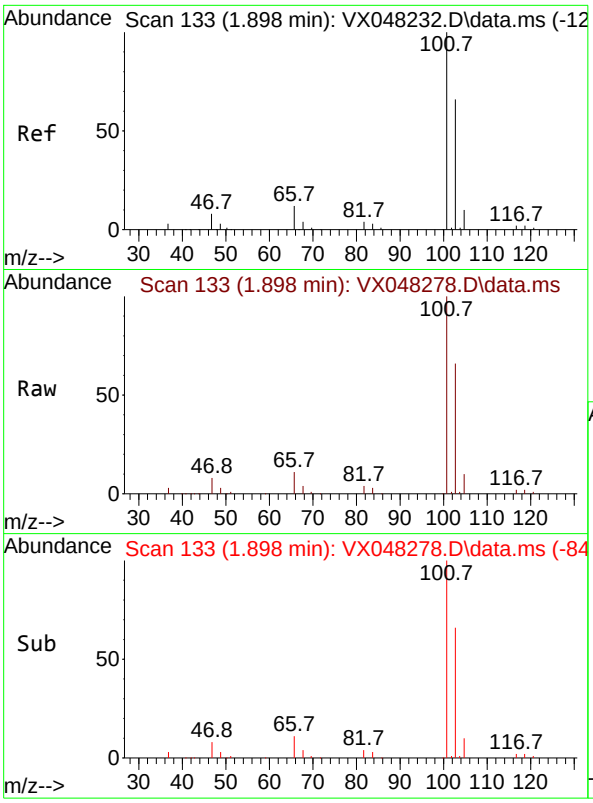



#6
Chloroethane
Concen: 44.175 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 64 Resp: 25432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.2 | 23.9 | 35.9 |

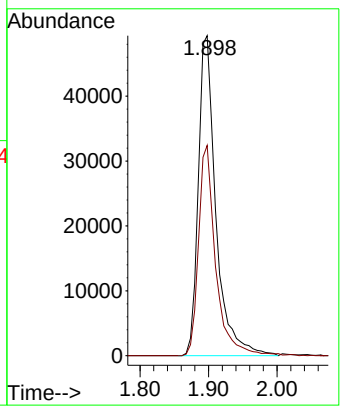





#7
Trichlorofluoromethane
Concen: 46.992 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:101 Resp: 8829

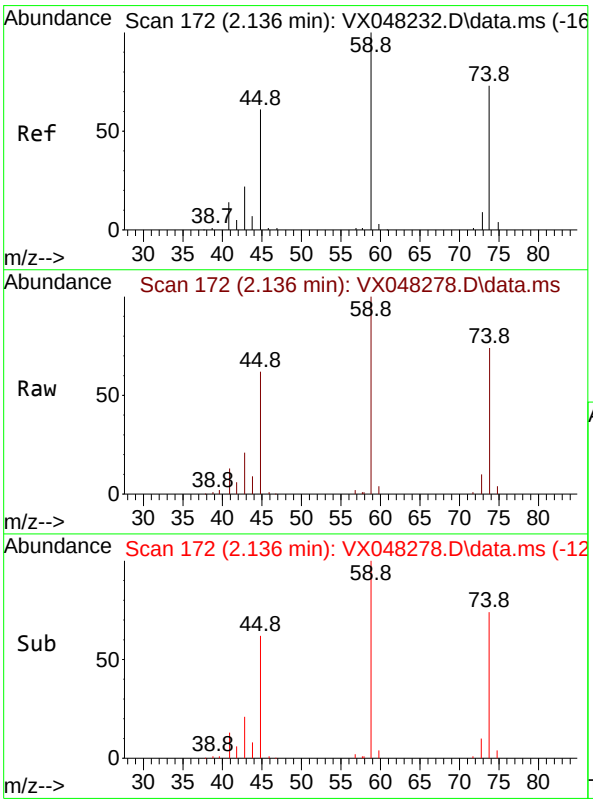
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.7 | 51.6 | 77.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

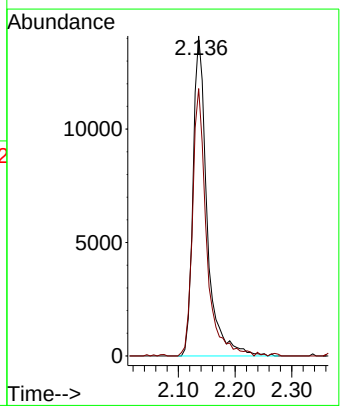
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

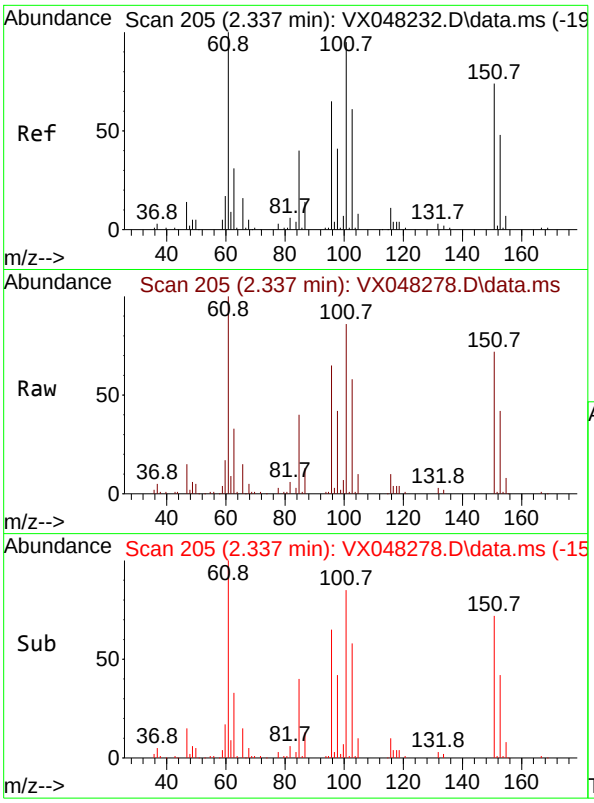



#8
Diethyl Ether
Concen: 45.877 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 74 Resp: 24255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 83.2 | 50.0 | 149.8 |

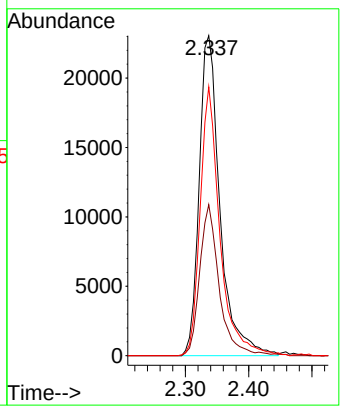





#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.374 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:101 Resp: 5279

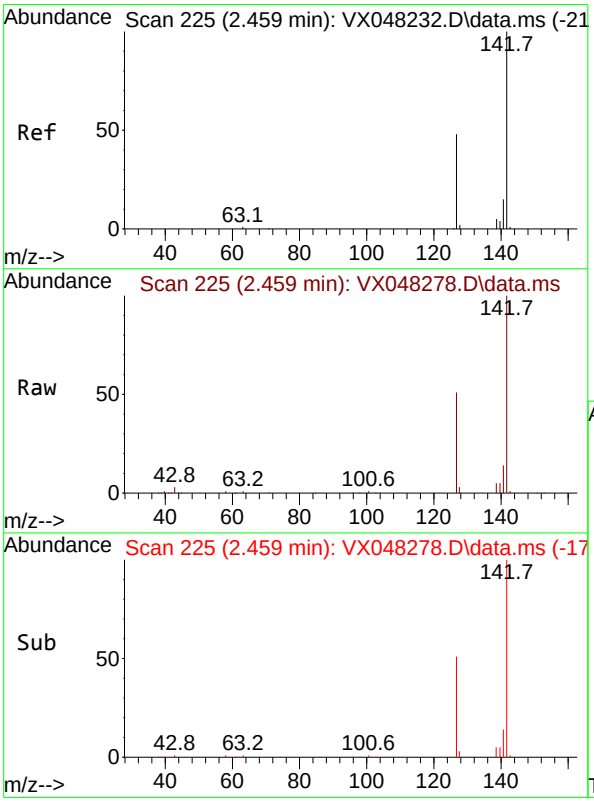
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.5 | 35.6 | 53.4 |
| 151 | 79.7 | 58.0 | 87.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

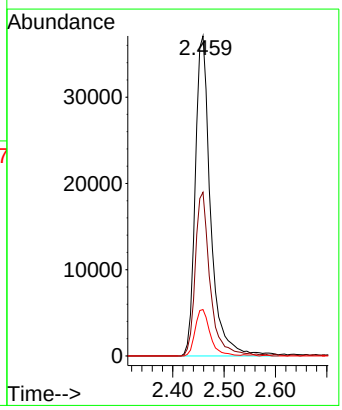
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

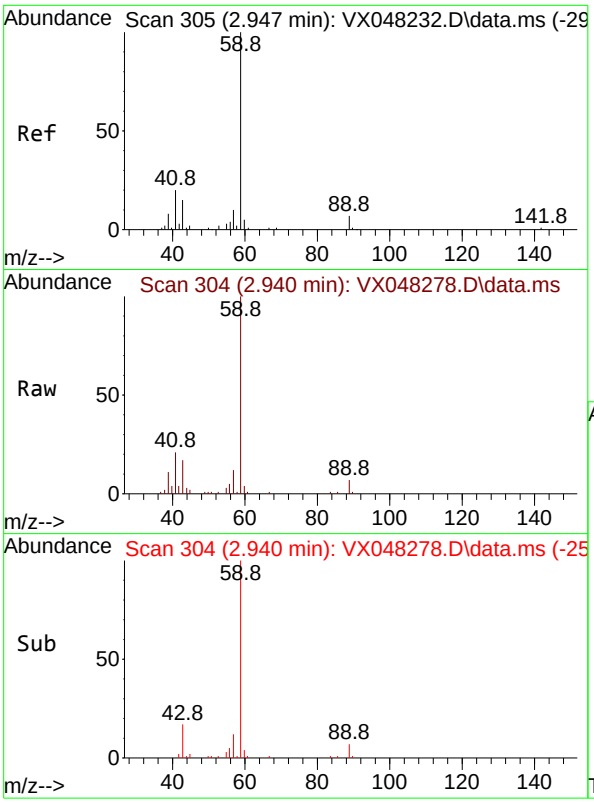



#10
Methyl Iodide
Concen: 51.416 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:142 Resp: 76908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.9 | 38.5 | 57.7 |
| 141 | 14.2 | 11.6 | 17.4 |






#11
Tert butyl alcohol
Concen: 204.253 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

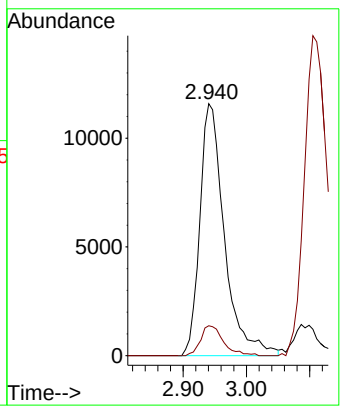
Tgt Ion: 59 Resp: 3135

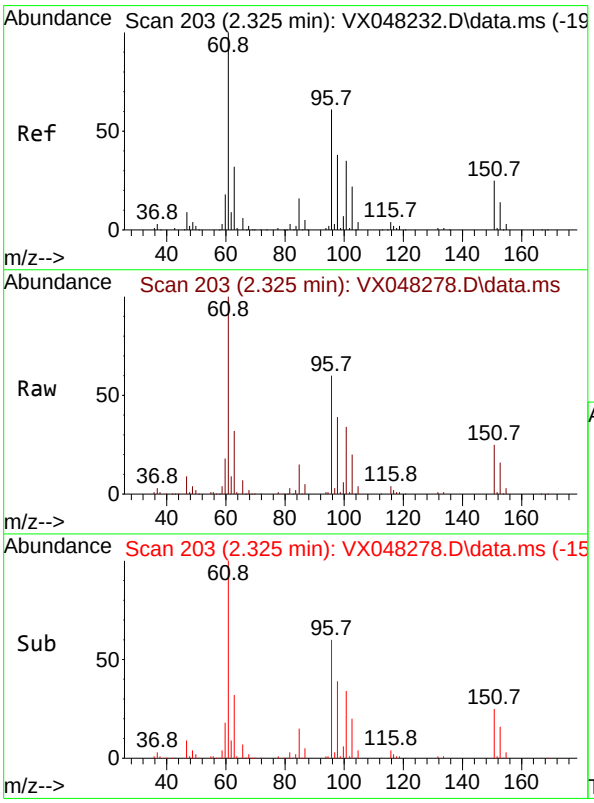
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.1 | 8.2 | 12.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

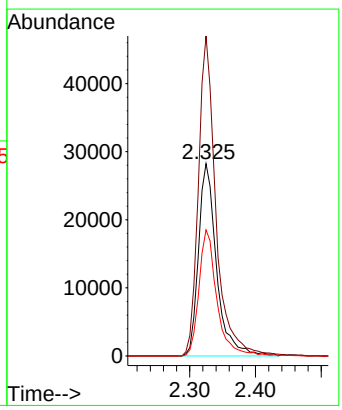


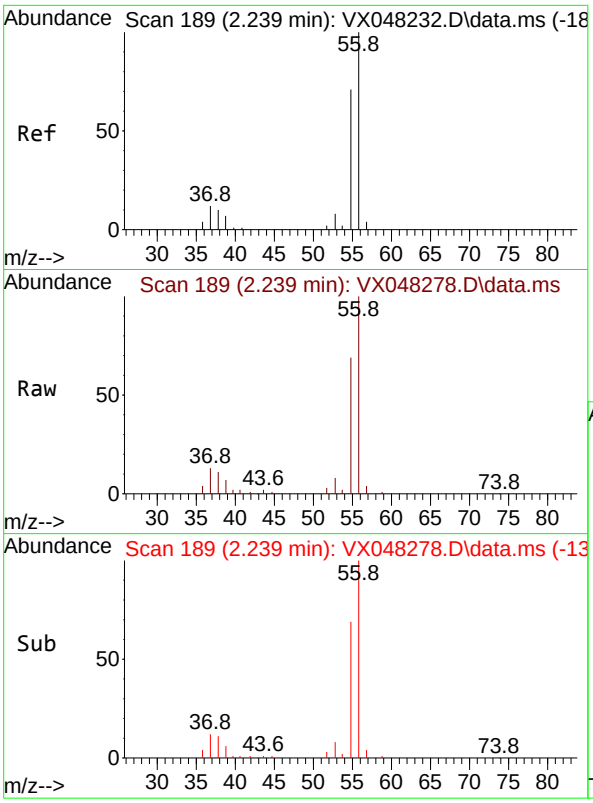




#12
1,1-Dichloroethene
Concen: 46.632 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 96 Resp: 53980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 166.4 | 139.0 | 208.6 |
| 98 | 65.5 | 52.4 | 78.6 |

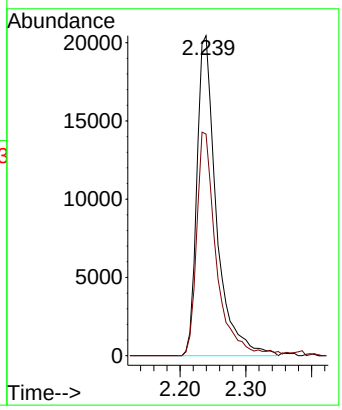





#13
Acrolein
Concen: 269.101 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 56 Resp: 4212

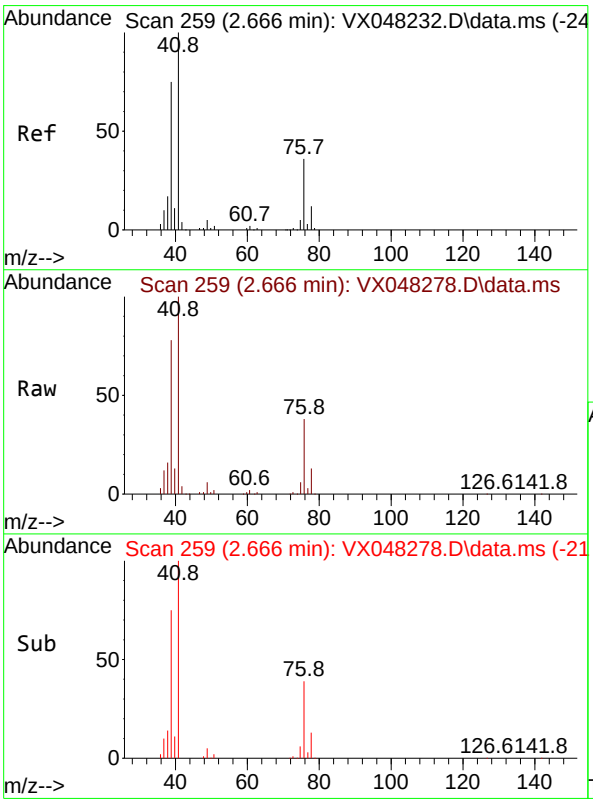
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.5 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

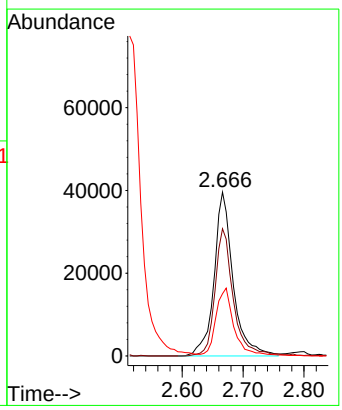
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

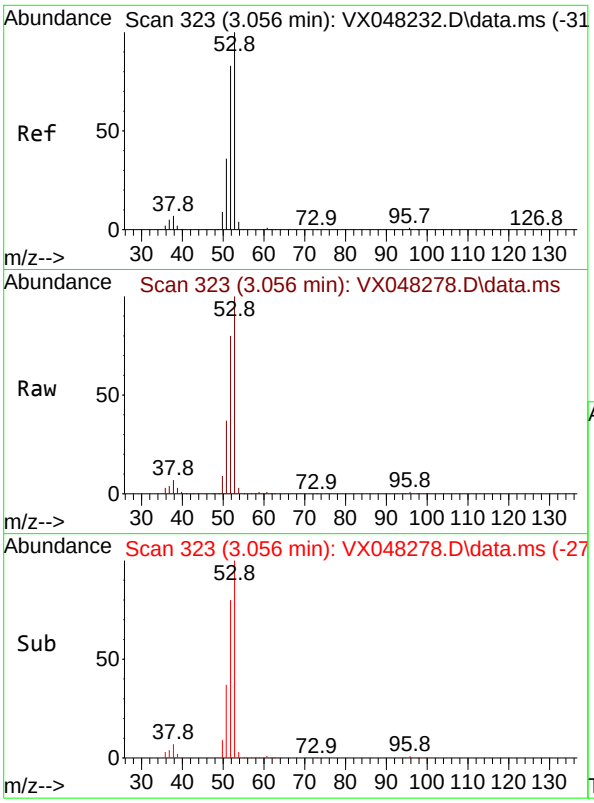



#14
Allyl chloride
Concen: 44.749 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 41 Resp: 86002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.6 | 56.0 | 84.0 |
| 76 | 39.7 | 27.5 | 41.3 |






#15
Acrylonitrile
Concen: 230.910 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

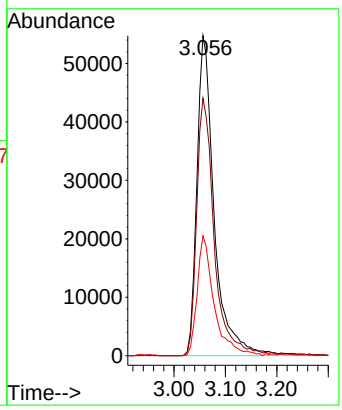
Tgt Ion: 53 Resp: 12780

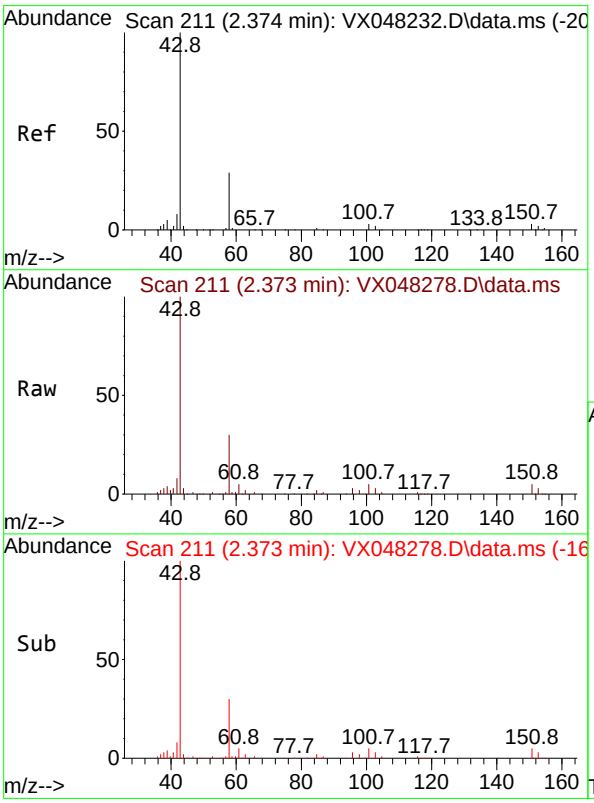
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.5 | 66.1 | 99.1 |
| 51 | 36.7 | 29.0 | 43.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

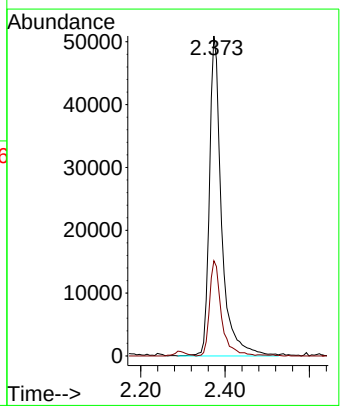


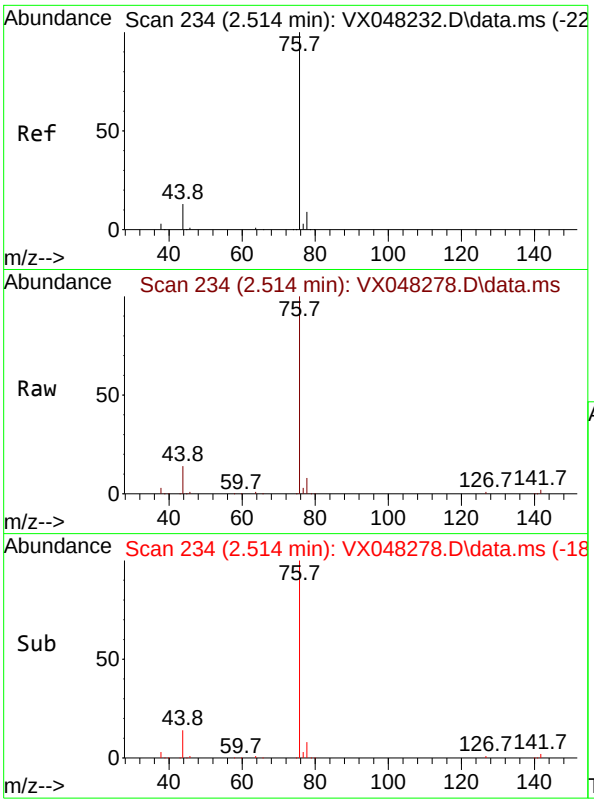




#16
Acetone
Concen: 191.905 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 43 Resp: 101775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.0 | 23.4 | 35.2 |

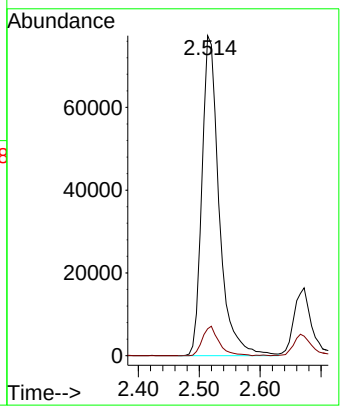





#17
Carbon Disulfide
Concen: 41.561 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 76 Resp: 15162

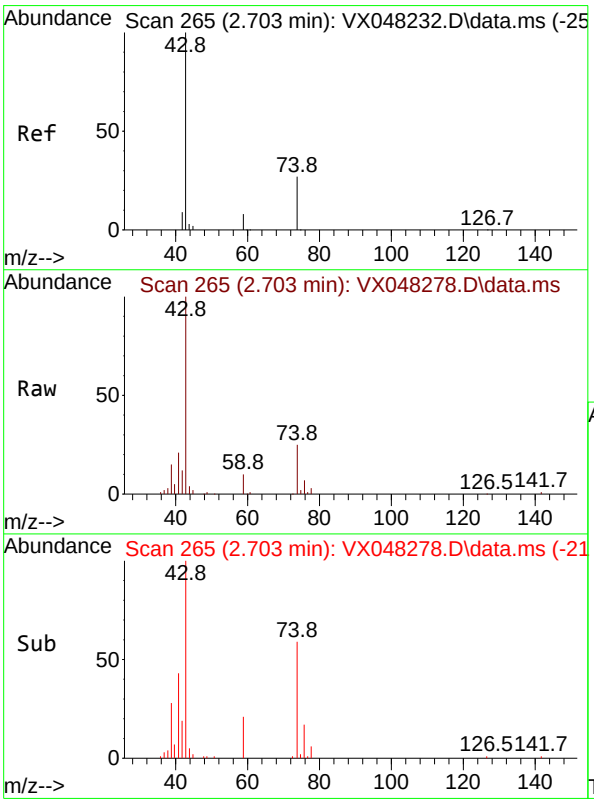
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.4 | 7.1 | 10.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

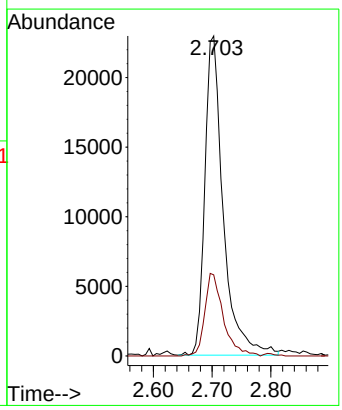
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

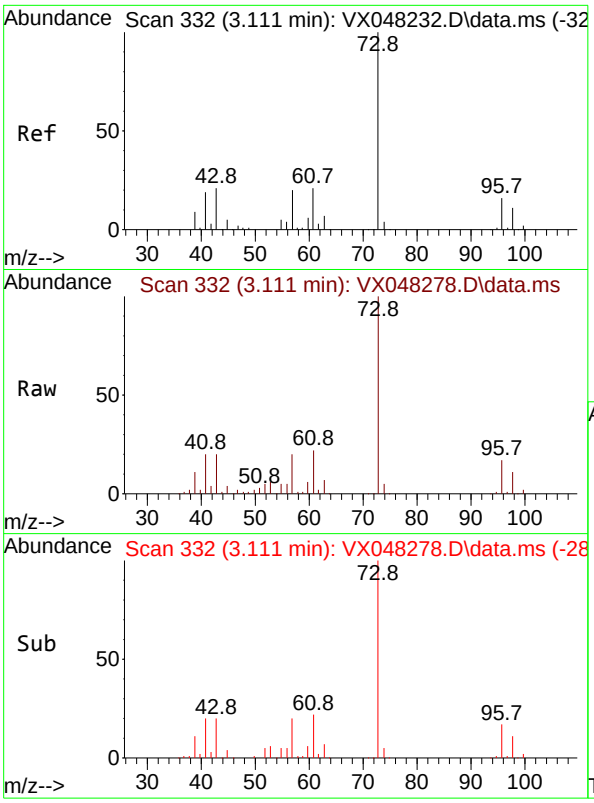



#18
Methyl Acetate
Concen: 44.941 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 43 Resp: 49775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 26.1 | 17.5 | 26.3 |

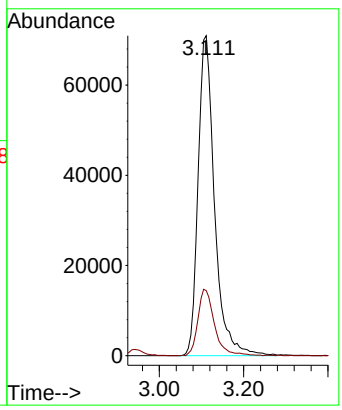





#19
Methyl tert-butyl Ether
Concen: 48.837 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 73 Resp: 19286

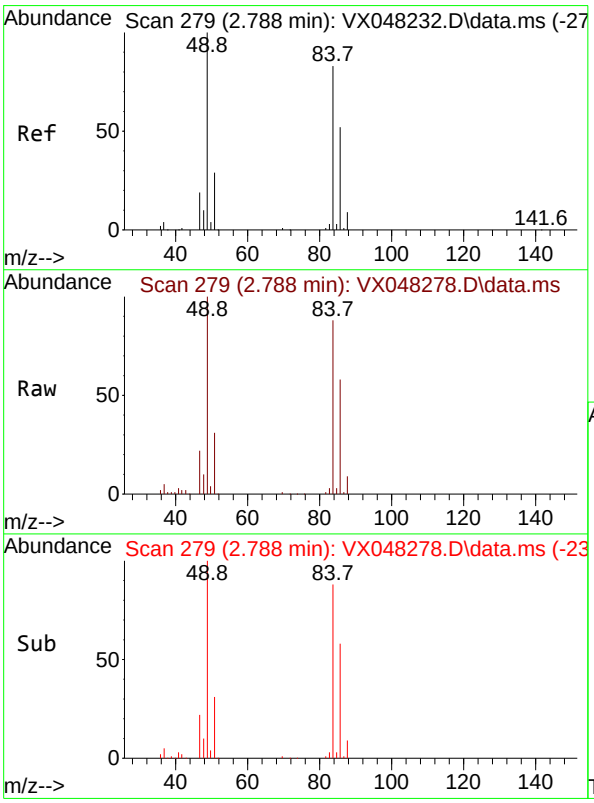
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.3 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

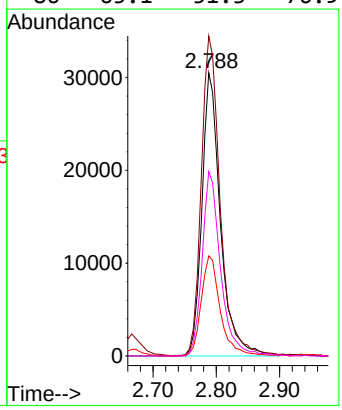
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

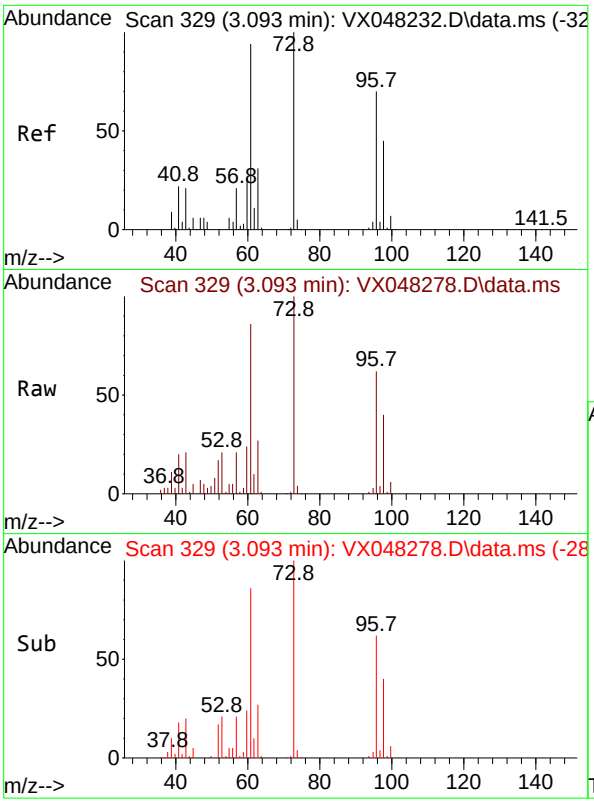



#20
Methylene Chloride
Concen: 48.124 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 84 Resp: 62187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 112.8 | 104.1 | 156.1 |
| 51 | 35.3 | 31.3 | 46.9 |
| 86 | 65.1 | 51.3 | 76.9 |

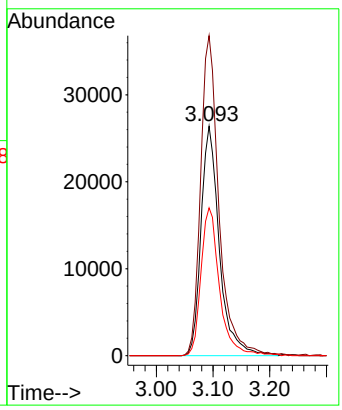





#21
trans-1,2-Dichloroethene
Concen: 46.571 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 96 Resp: 5921

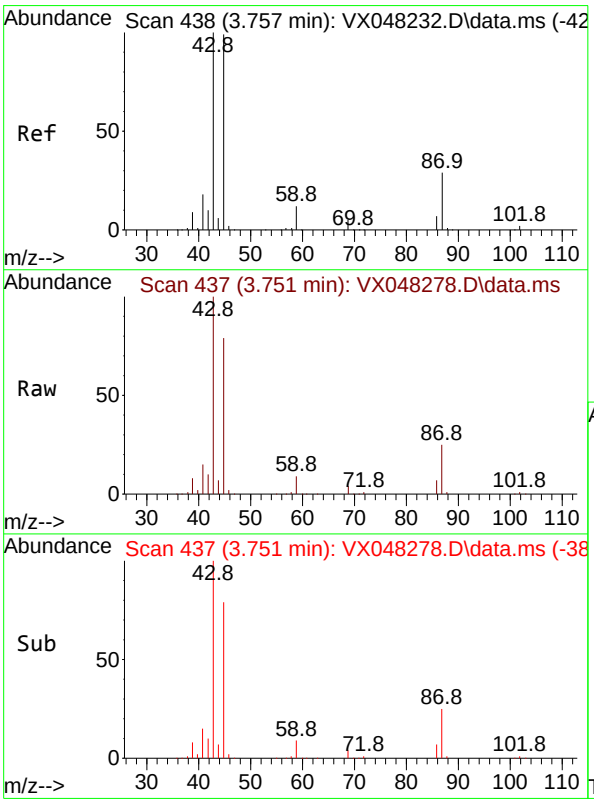
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.4 | 111.9 | 167.9 |
| 98 | 64.4 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

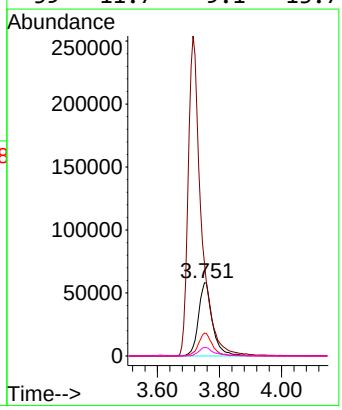
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

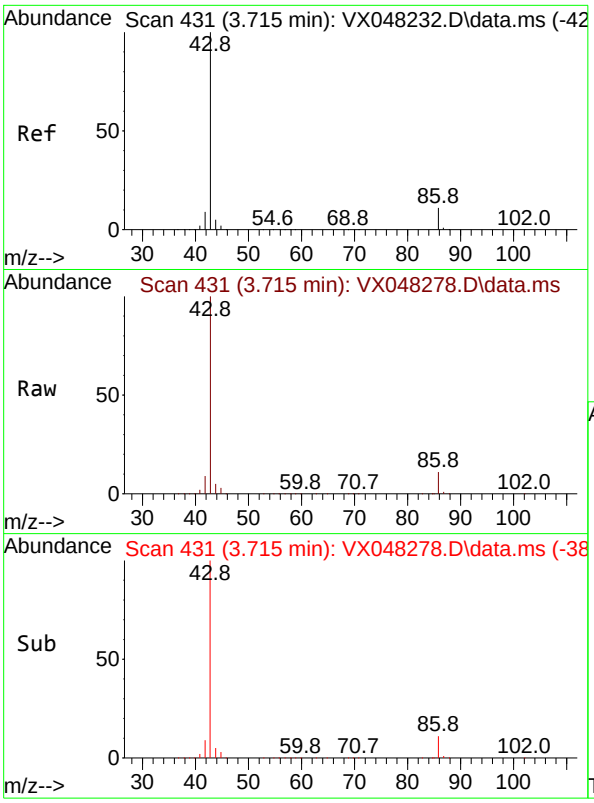



#22
Diisopropyl ether
Concen: 47.827 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 45 Resp: 183332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 126.5 | 89.8 | 134.8 |
| 87 | 31.3 | 20.6 | 31.0# |
| 59 | 11.7 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 242.501 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

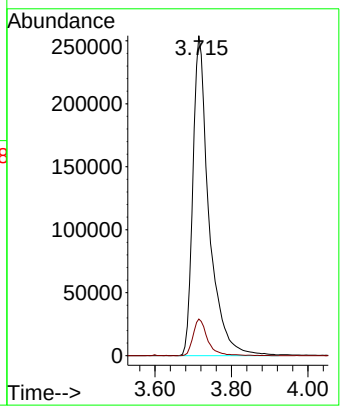
Tgt Ion: 43 Resp: 74254

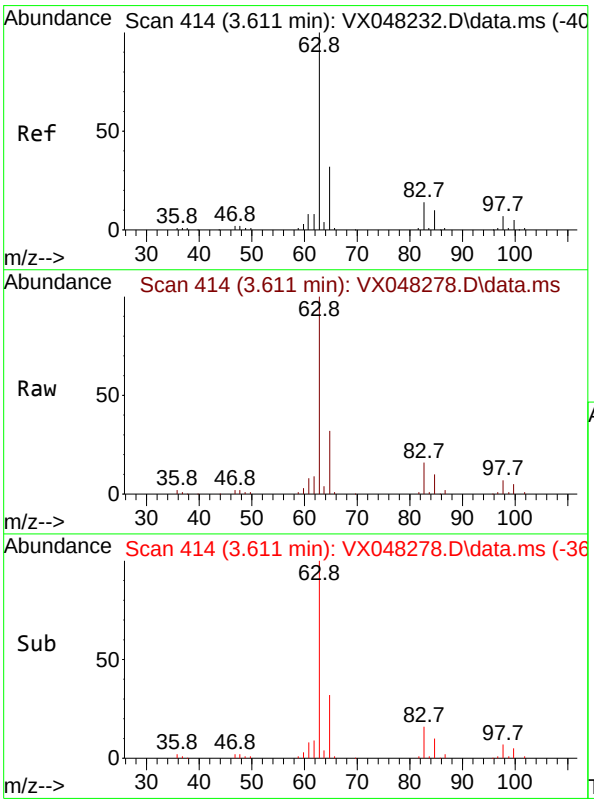
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.5 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

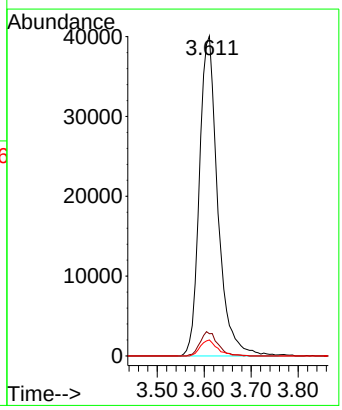


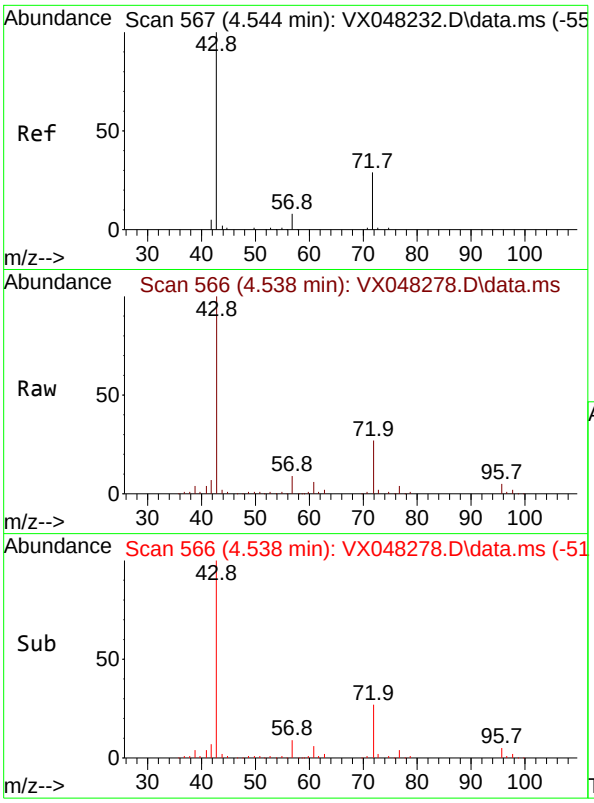




#24
1,1-Dichloroethane
Concen: 46.973 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 63 Resp: 108877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.5 | 10.6 |
| 100 | 5.0 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 215.374 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

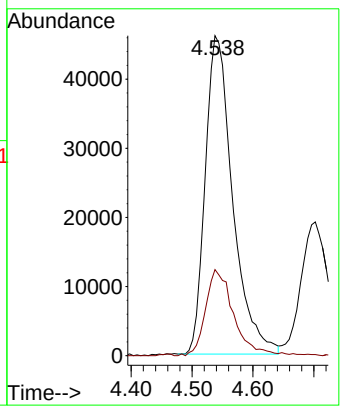
Tgt Ion: 43 Resp: 14457

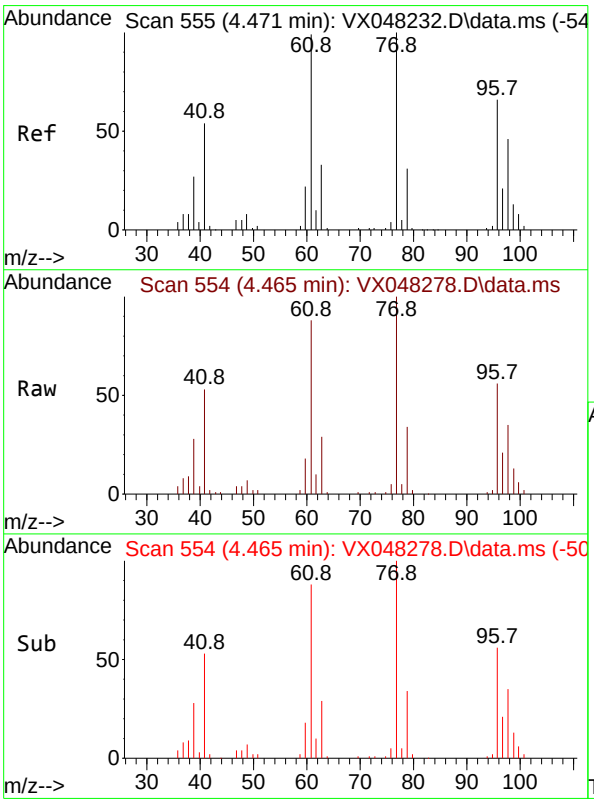
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.0 | 19.9 | 29.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

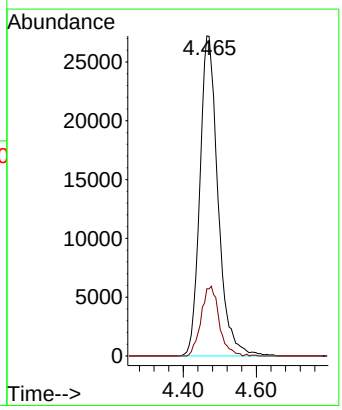


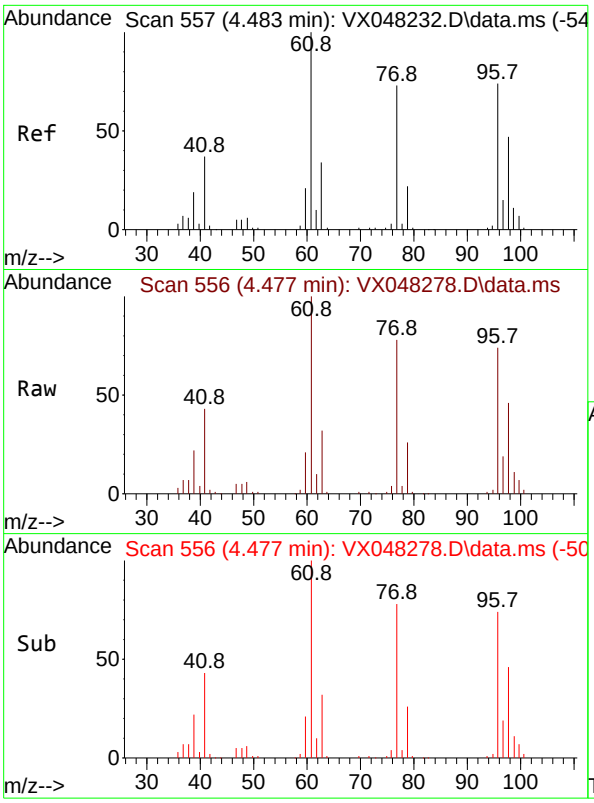




#26
2,2-Dichloropropane
Concen: 44.766 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 77 Resp: 93655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.6 | 11.1 | 33.3 |

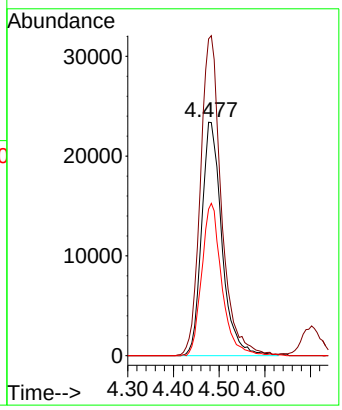





#27
cis-1,2-Dichloroethene
Concen: 48.458 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 96 Resp: 7191

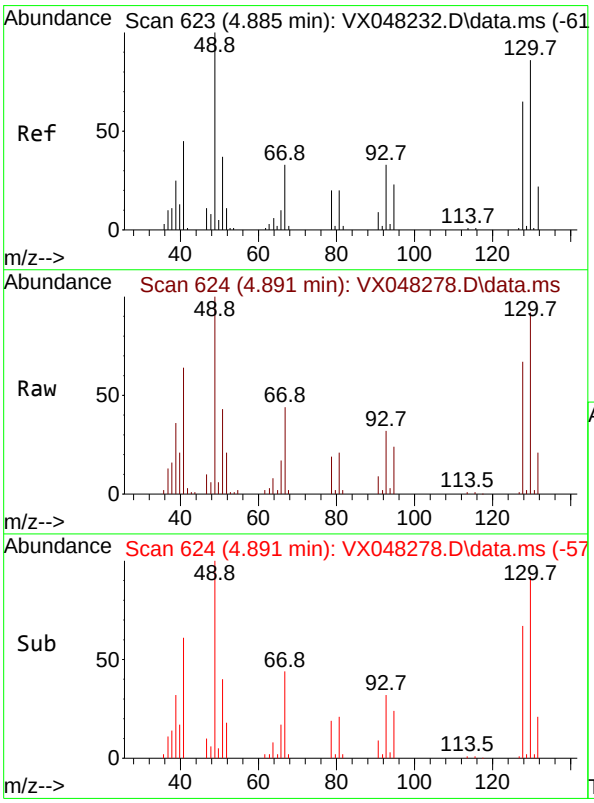
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.9 | 0.0 | 294.2 |
| 98 | 64.3 | 0.0 | 128.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

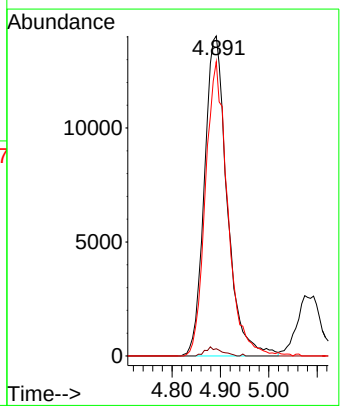
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

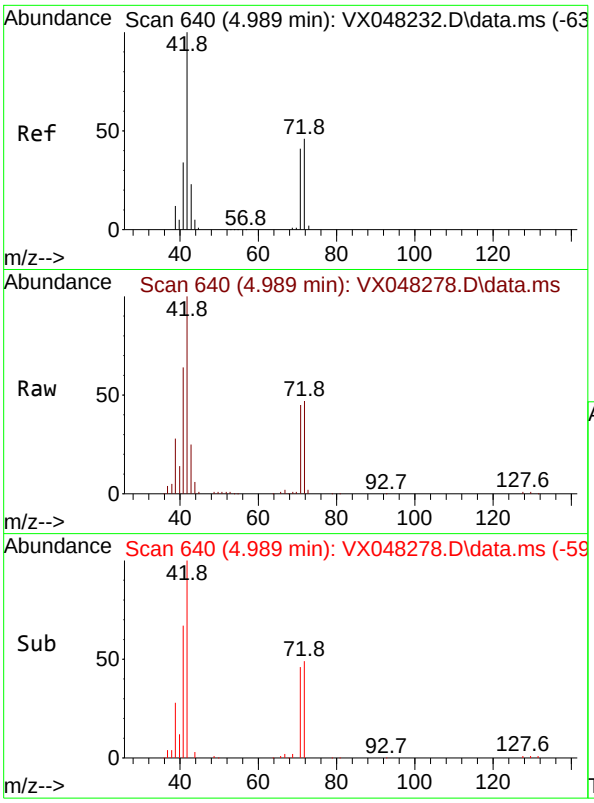



#28
Bromochloromethane
Concen: 47.680 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 49 Resp: 45824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.4 |
| 130 | 90.3 | 59.3 | 88.9# |






#29
Tetrahydrofuran
Concen: 218.490 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

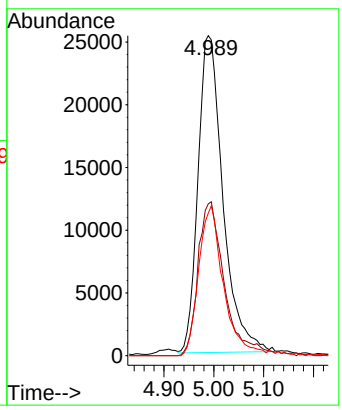
Tgt Ion: 42 Resp: 8783

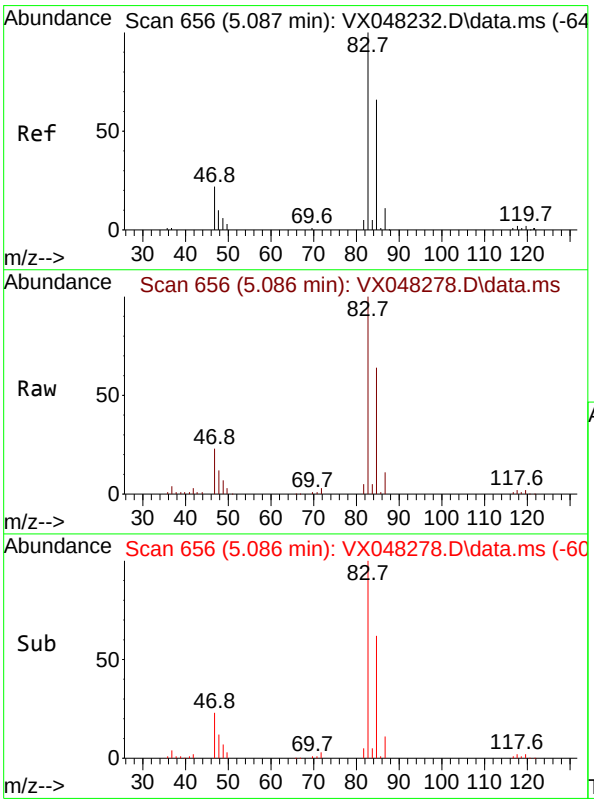
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 51.8 | 35.3 | 52.9 |
| 71 | 46.7 | 32.2 | 48.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

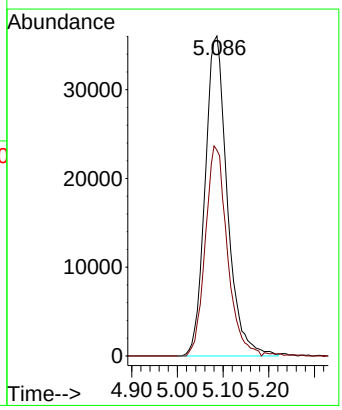


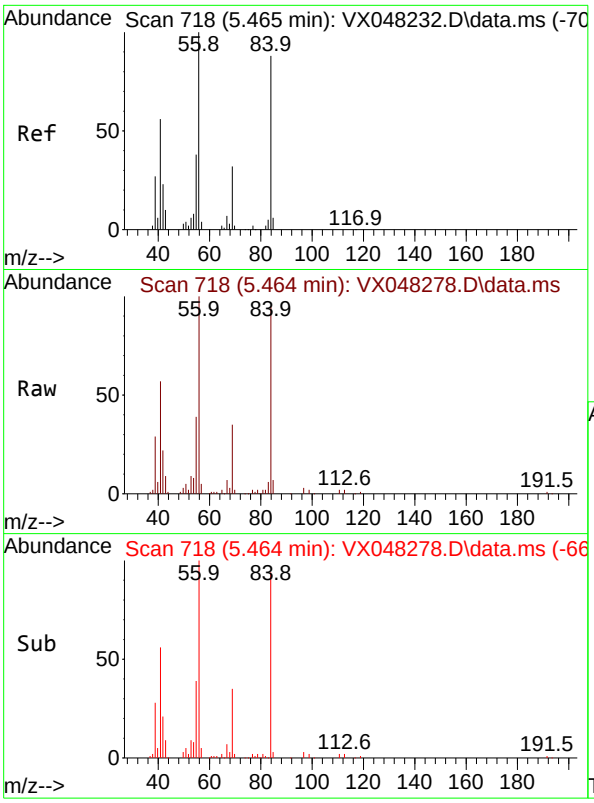




#30
Chloroform
Concen: 49.137 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 83 Resp: 121680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 50.1 | 75.1 |






#31
Cyclohexane
Concen: 44.238 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

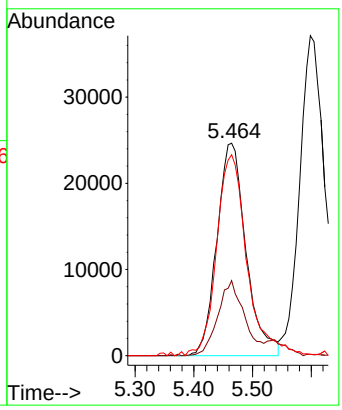
Tgt Ion: 56 Resp: 8489

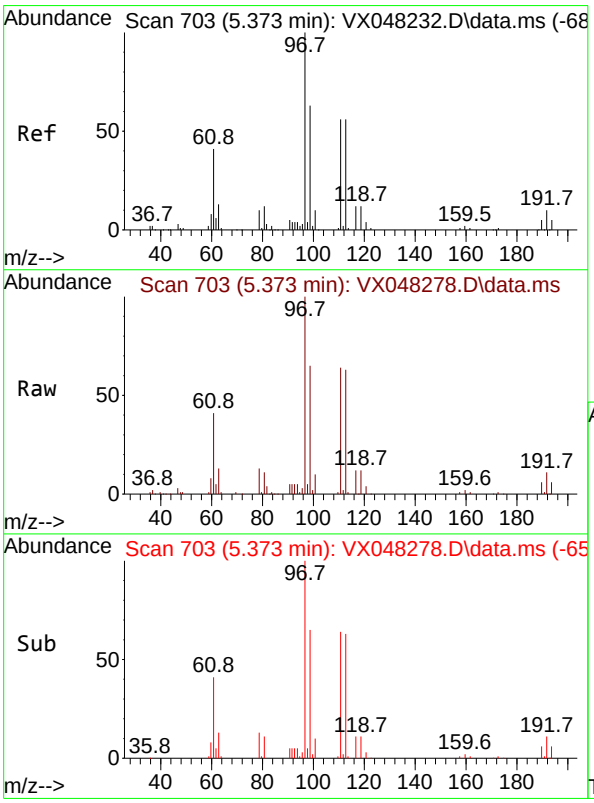
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 34.7 | 23.0 | 34.6 |
| 84 | 94.2 | 64.6 | 97.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

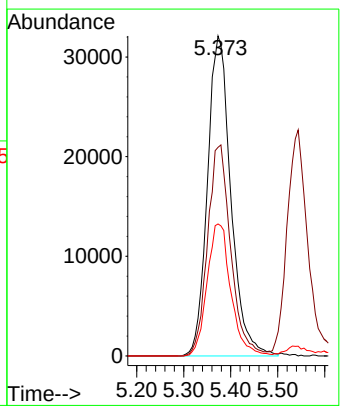


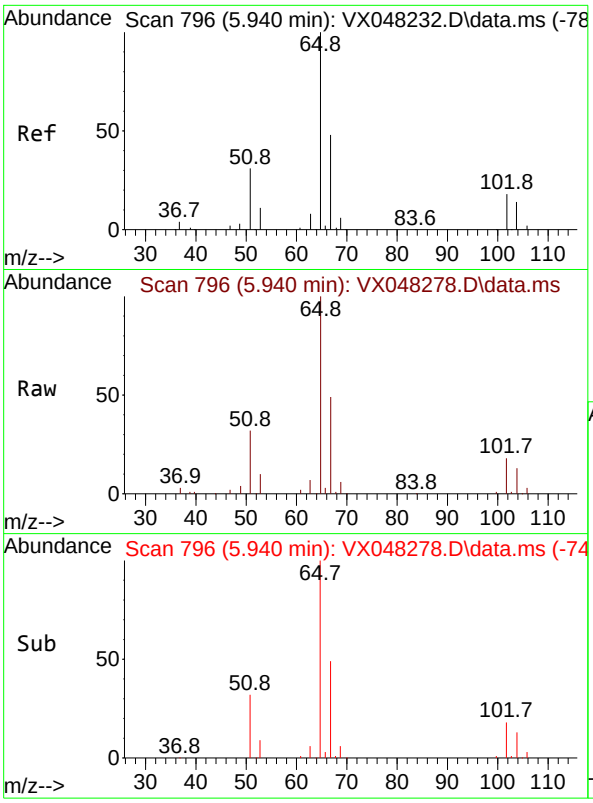




#32
1,1,1-Trichloroethane
Concen: 48.747 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 97 Resp: 111254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.4 | 51.7 | 77.5 |
| 61 | 41.9 | 34.8 | 52.2 |

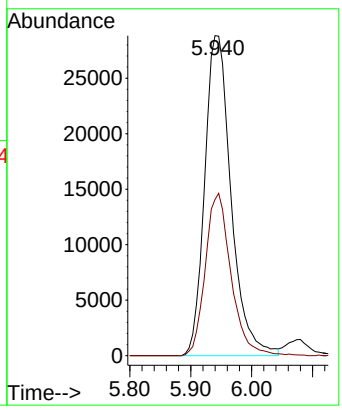





#33
1,2-Dichloroethane-d4
Concen: 56.153 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 65 Resp: 8680

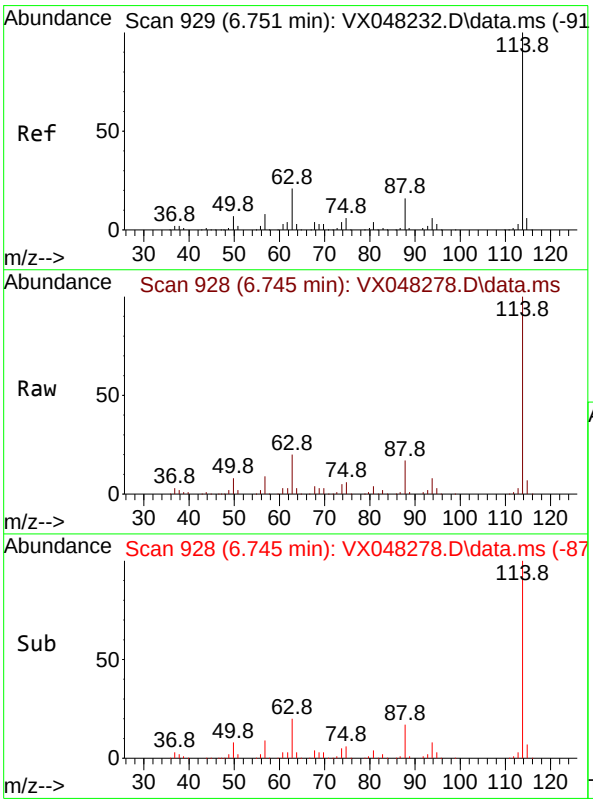
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.6 | 0.0 | 105.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

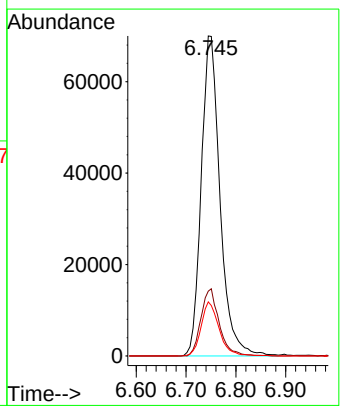
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

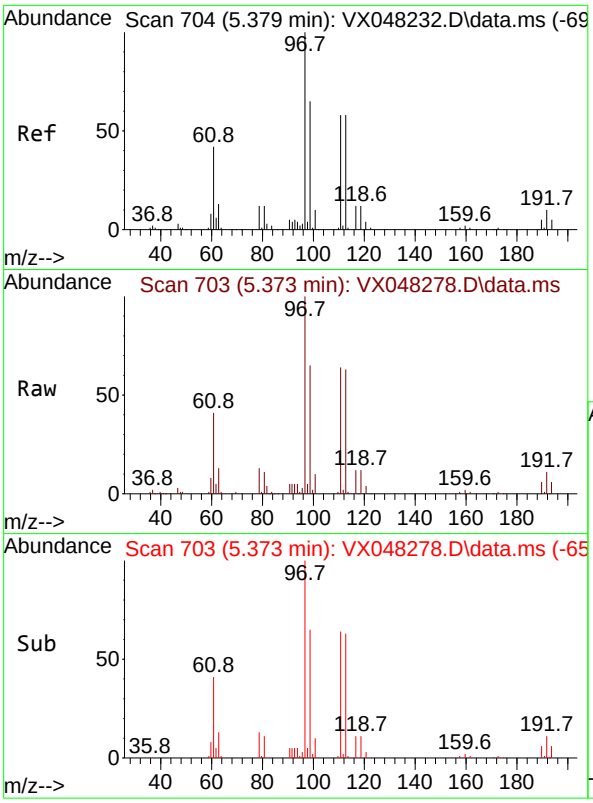



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:114 Resp: 183155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 43.2 |
| 88 | 16.9 | 0.0 | 33.6 |

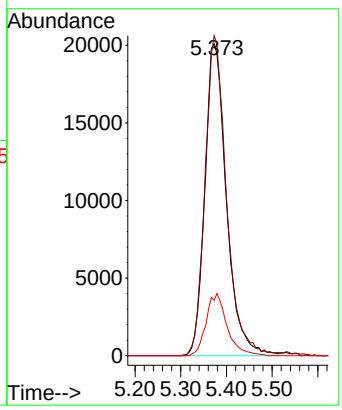





#35
Dibromofluoromethane
Concen: 52.800 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:113 Resp: 6602

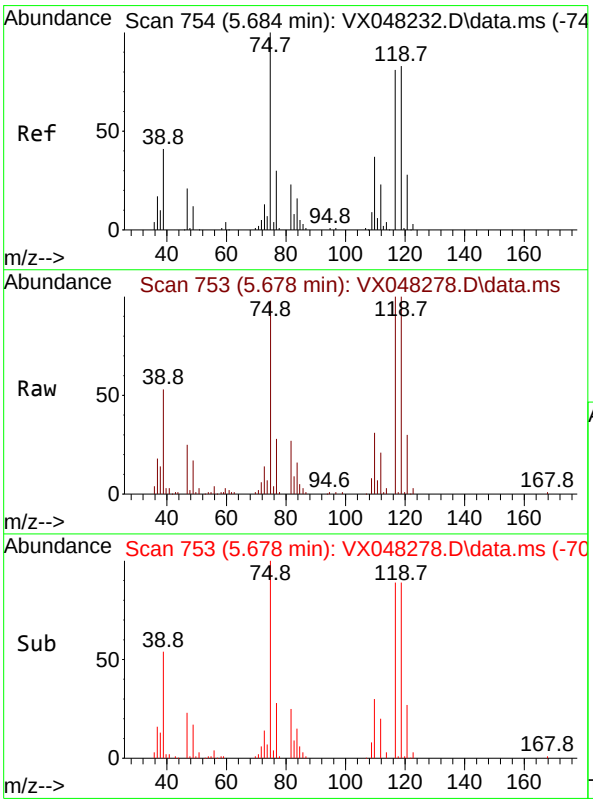
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 82.2 | 123.4 |
| 192 | 19.3 | 15.1 | 22.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

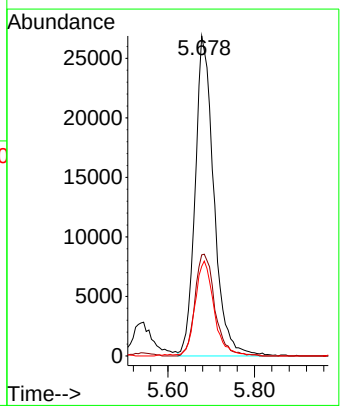
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

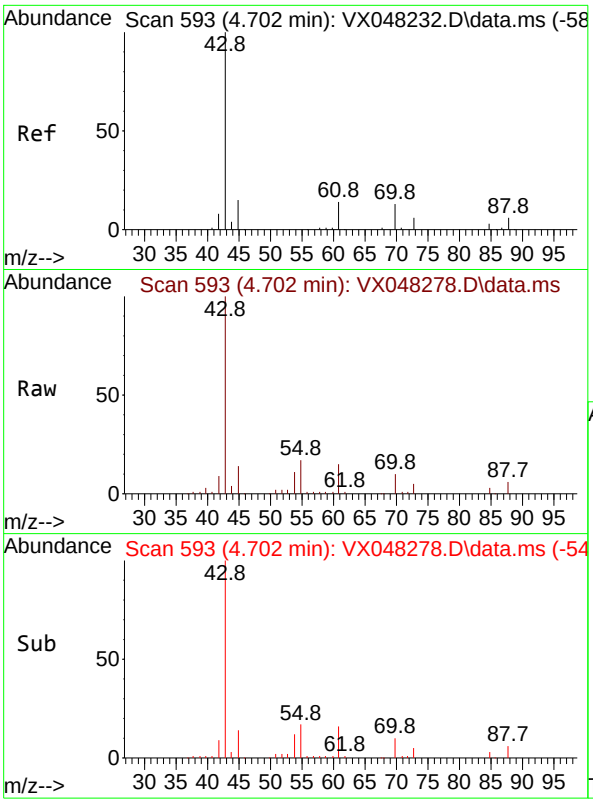



#36
1,1-Dichloropropene
Concen: 45.371 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 75 Resp: 80634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 17.7 | 53.1 |
| 77 | 30.2 | 24.3 | 36.5 |

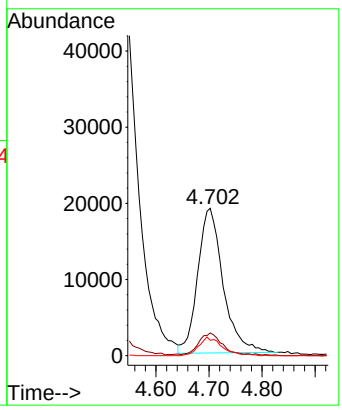





#37
Ethyl Acetate
Concen: 42.851 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 43 Resp: 6312

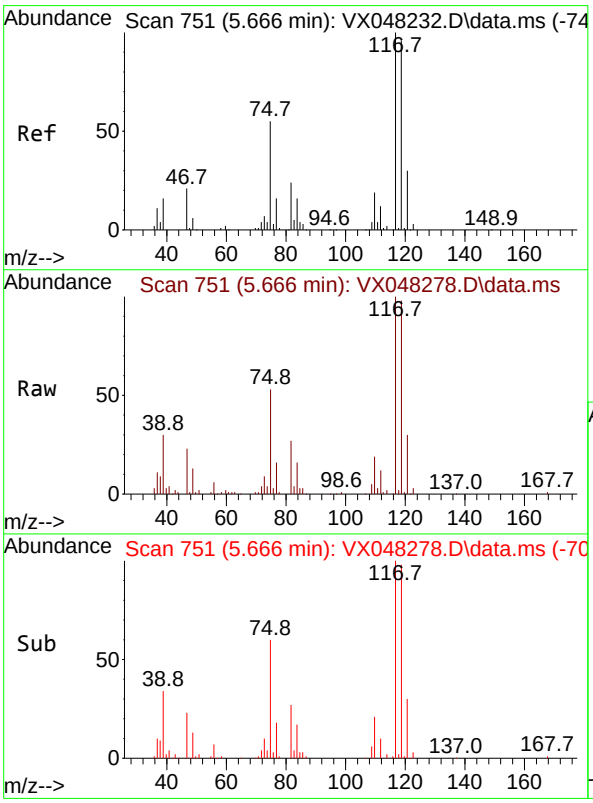
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.1 | 10.6 | 15.8 |
| 70 | 11.2 | 7.8 | 11.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

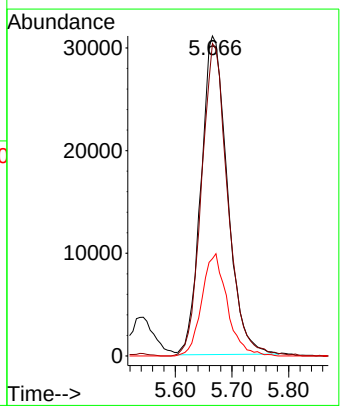
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

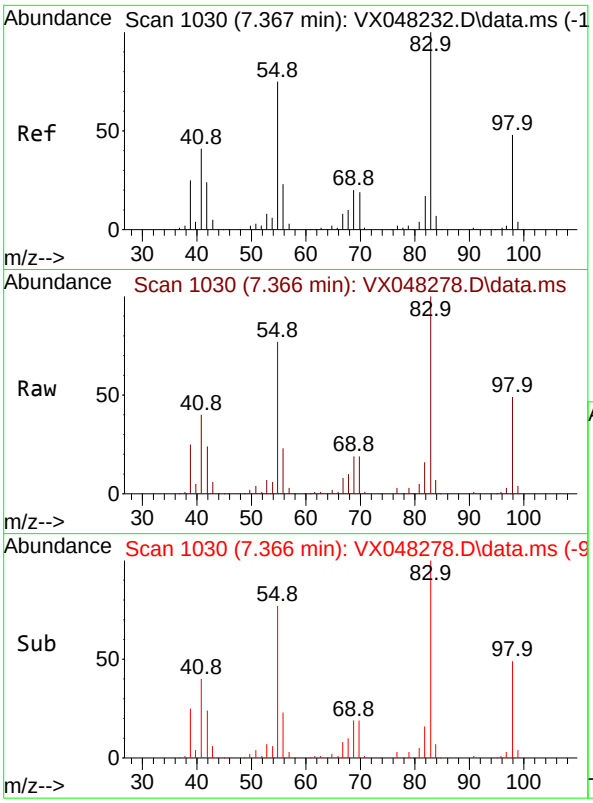



#38
Carbon Tetrachloride
Concen: 45.671 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:117 Resp: 100140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.6 | 77.2 | 115.8 |
| 121 | 30.6 | 24.8 | 37.2 |

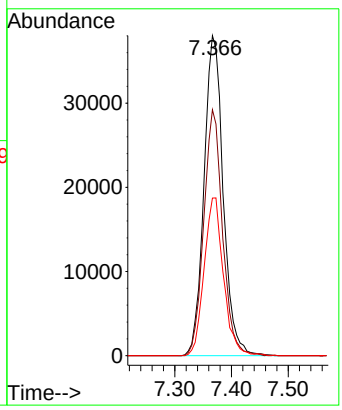





#39
Methylcyclohexane
Concen: 42.670 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 83 Resp: 8956

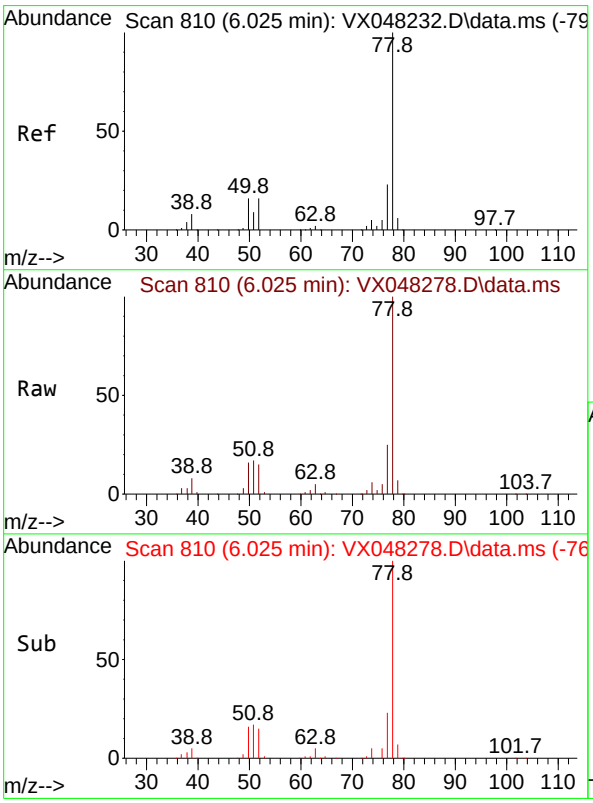
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.8 | 66.2 | 99.2 |
| 98 | 49.2 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

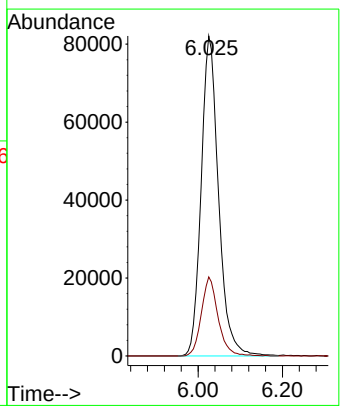
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

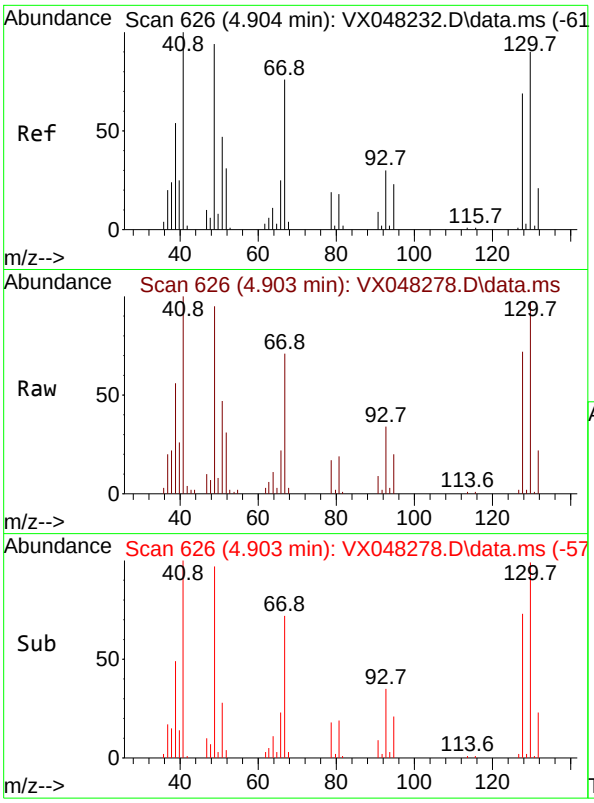



#40
Benzene
Concen: 45.621 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 78 Resp: 235395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.7 | 19.3 | 28.9 |

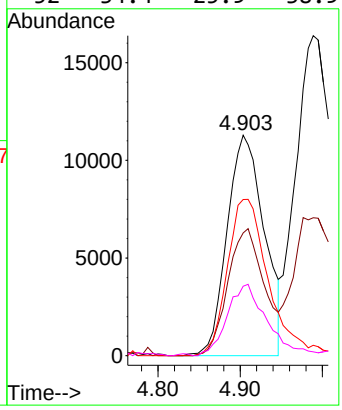





#41
Methacrylonitrile
Concen: 45.945 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 41 Resp: 3554

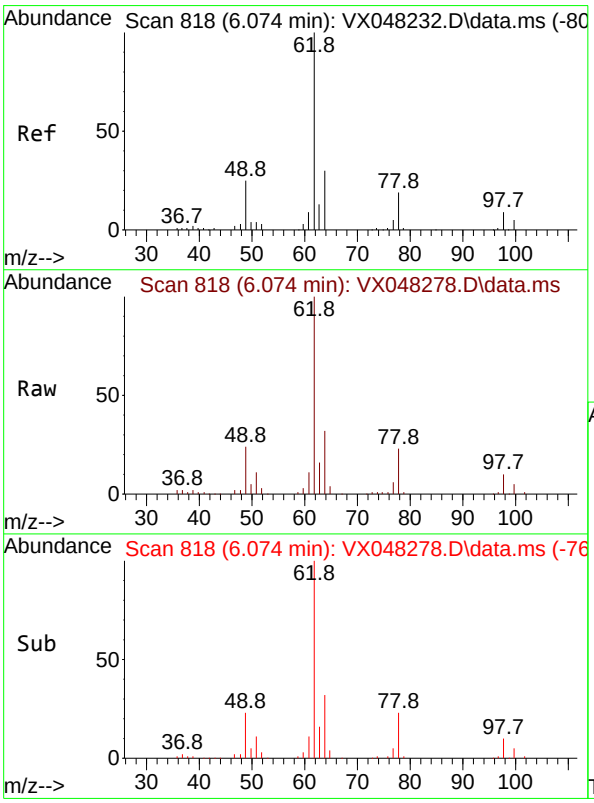
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.4 | 44.0 | 66.0 |
| 67 | 78.6 | 58.7 | 88.1 |
| 52 | 34.4 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

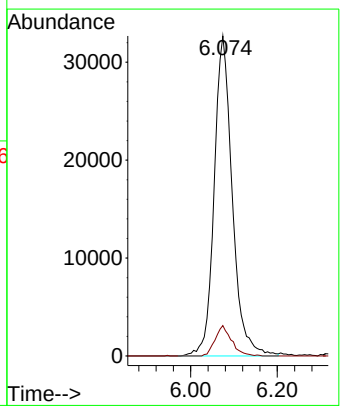
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

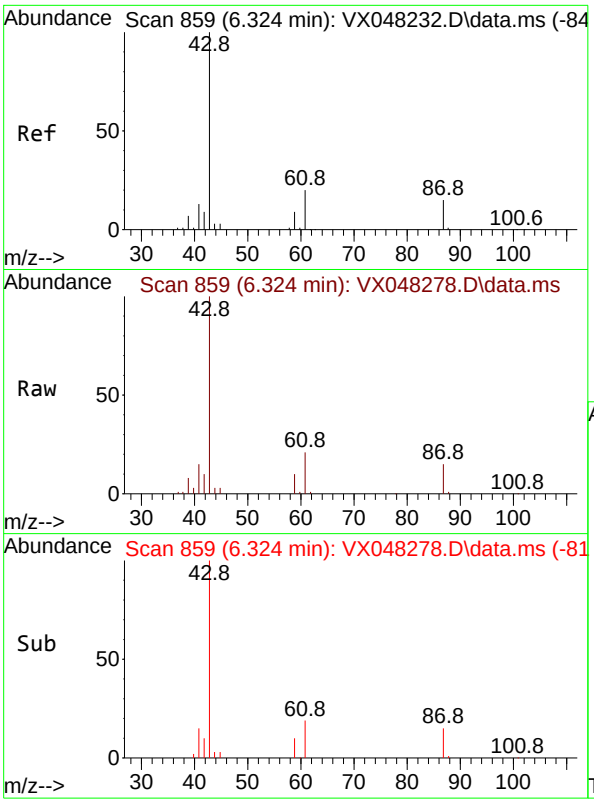



#42
1,2-Dichloroethane
Concen: 49.906 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 62 Resp: 95021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 17.2 |






#43
Isopropyl Acetate
Concen: 45.374 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

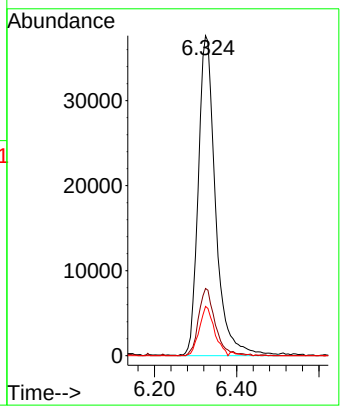
Tgt Ion: 43 Resp: 10979

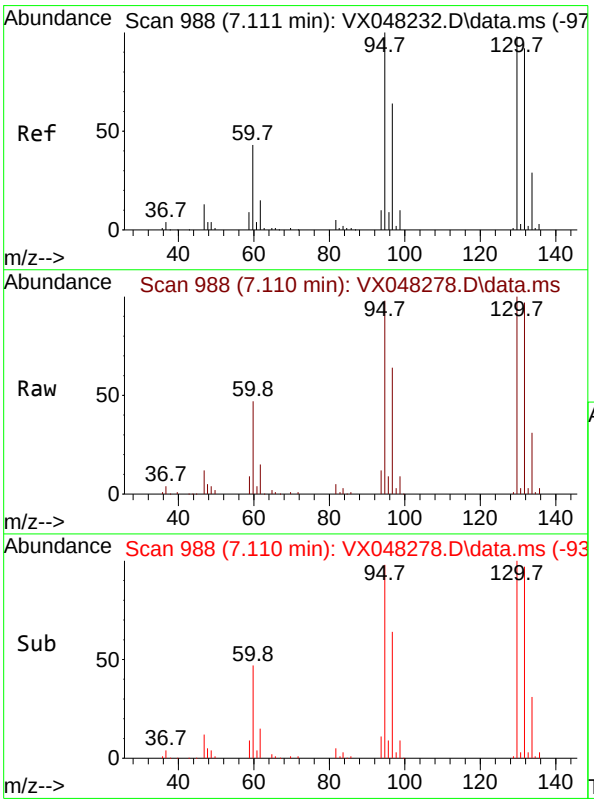
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.3 | 14.9 | 22.3 |
| 87 | 13.4 | 9.4 | 14.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

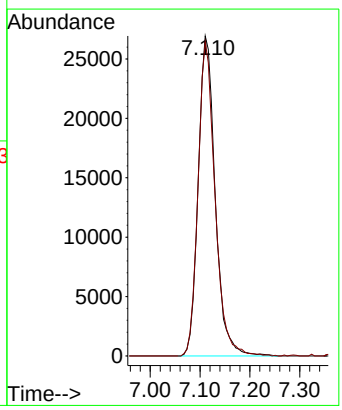


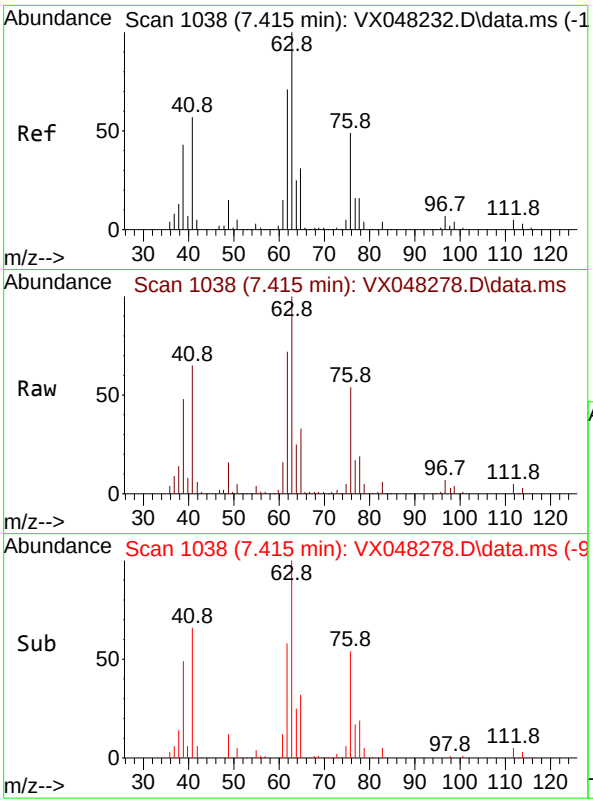




#44
Trichloroethene
Concen: 46.735 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:130 Resp: 63675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 107.0 | 0.0 | 200.6 |

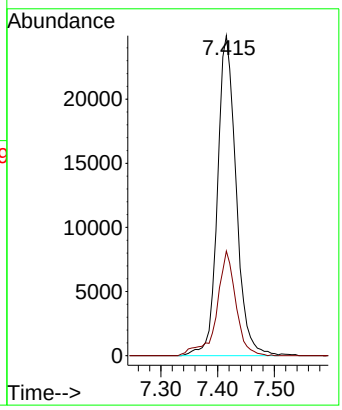





#45
1,2-Dichloropropane
Concen: 46.474 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 63 Resp: 5701

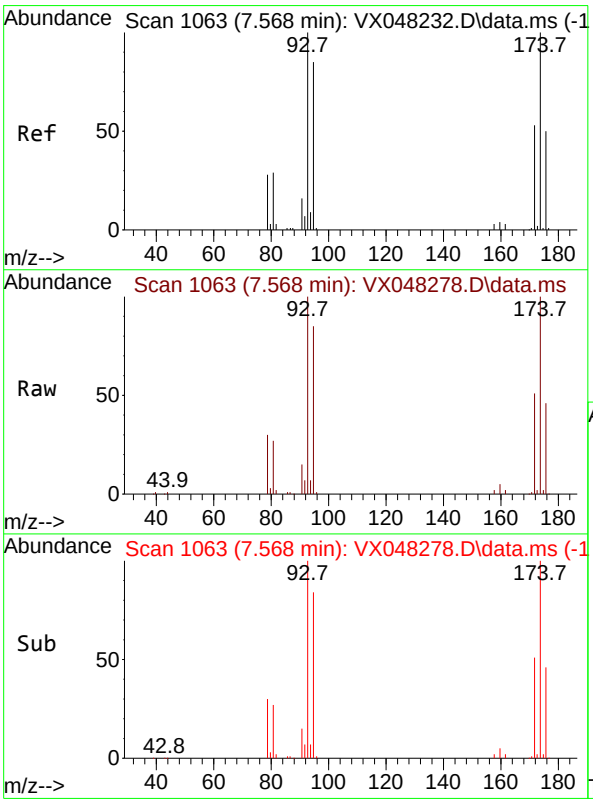
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.7 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

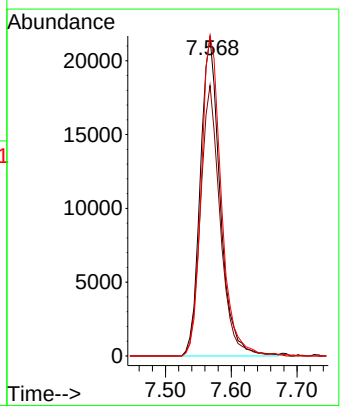
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

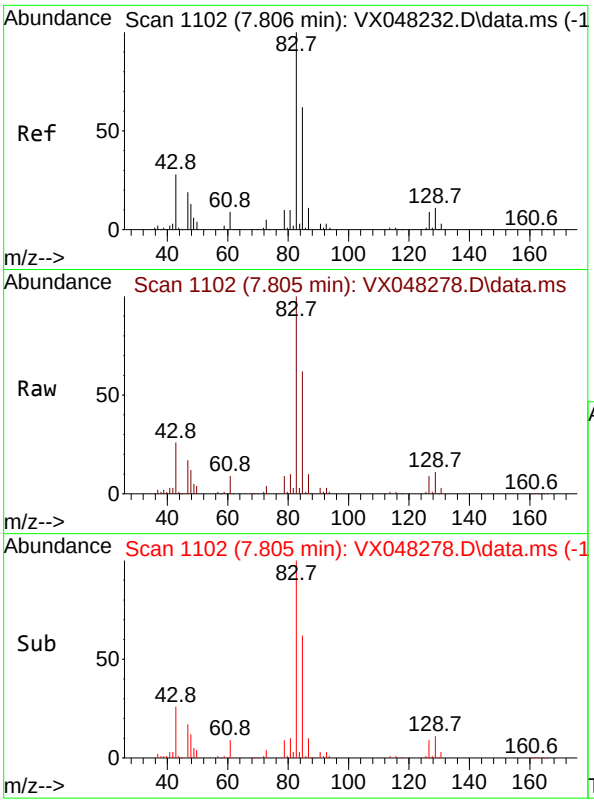



#46
Dibromomethane
Concen: 47.155 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 93 Resp: 45069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.5 | 65.9 | 98.9 |
| 174 | 101.0 | 71.7 | 107.5 |

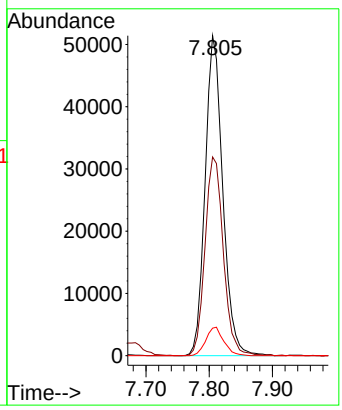





#47
Bromodichloromethane
Concen: 48.404 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 83 Resp: 9988

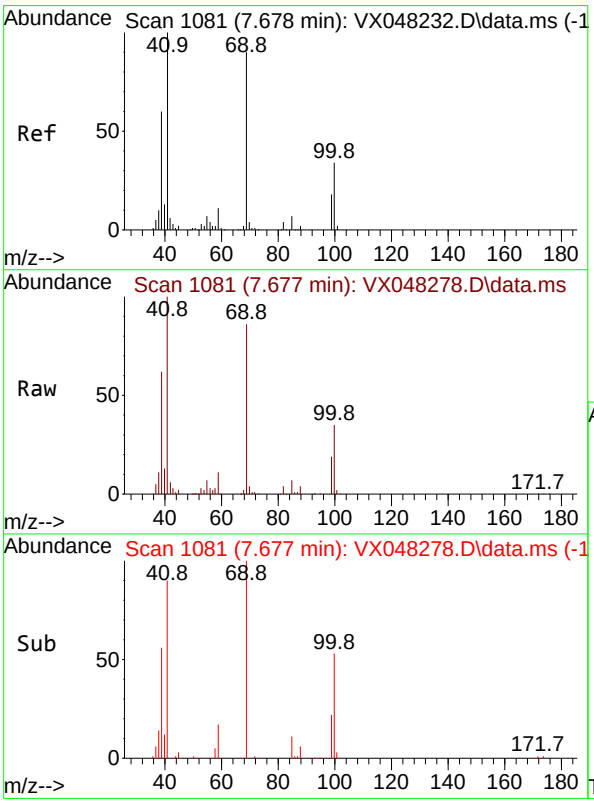
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.1 | 52.2 | 78.4 |
| 127 | 8.6 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

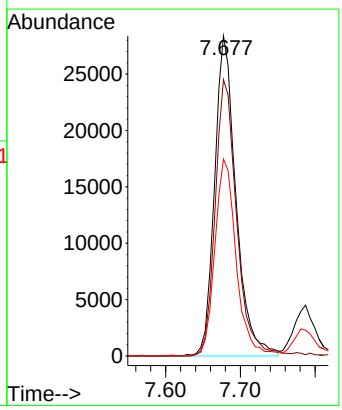
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

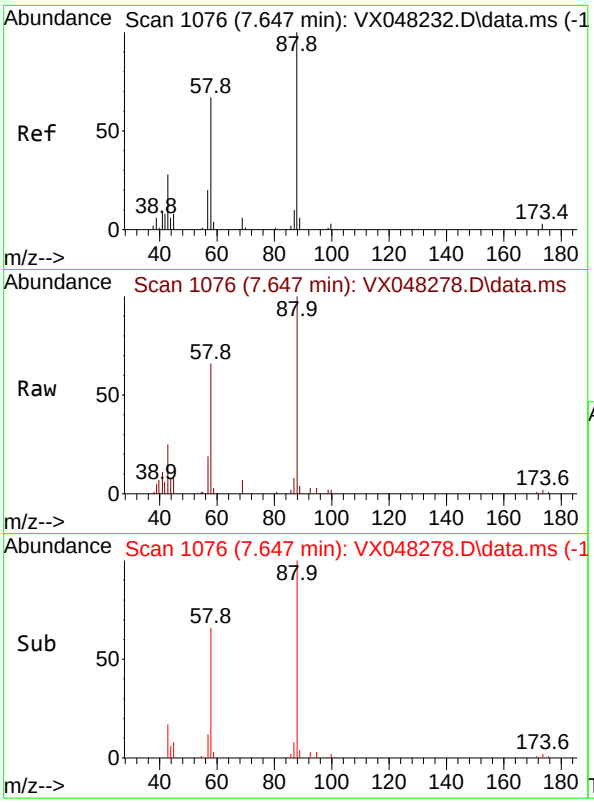



#48
Methyl methacrylate
Concen: 46.243 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 41 Resp: 56463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.7 | 63.4 | 95.0 |
| 39 | 61.4 | 47.1 | 70.7 |






#49
1,4-Dioxane
Concen: 901.119 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

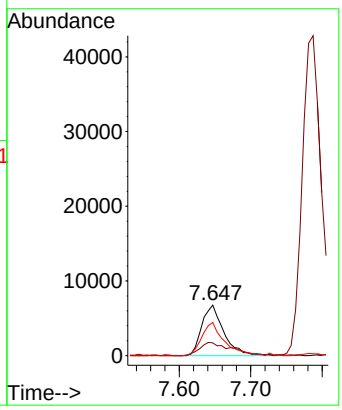
Tgt Ion: 88 Resp: 1453

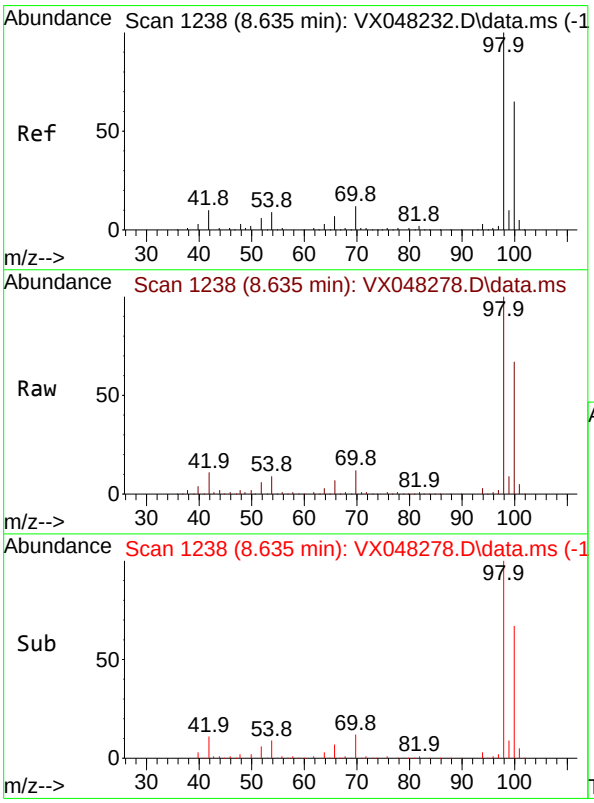
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.8 | 35.0 | 52.4 |
| 58 | 66.5 | 61.9 | 92.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

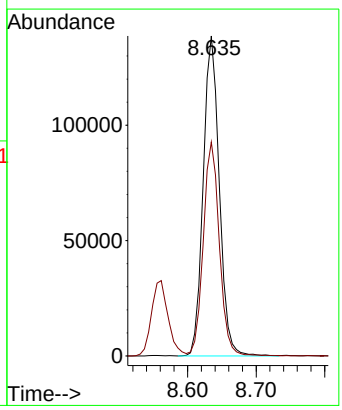


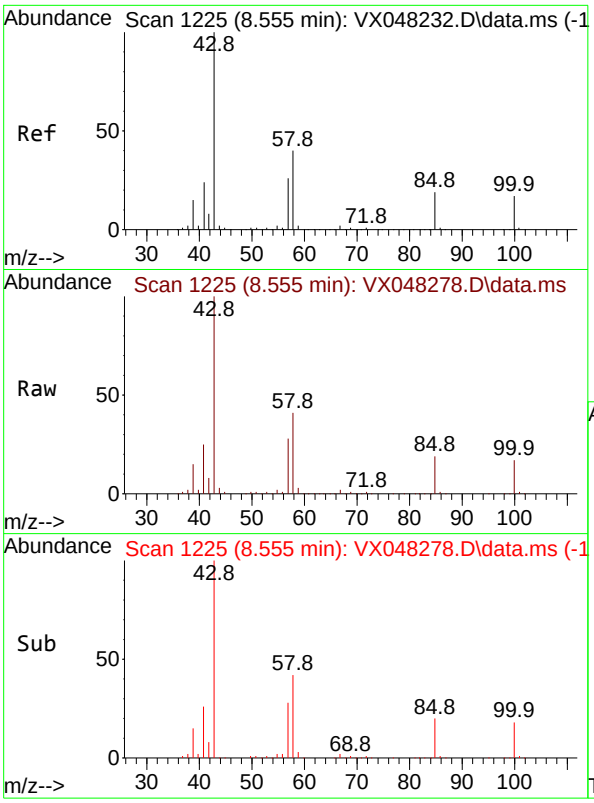




#50
Toluene-d8
Concen: 51.716 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 98 Resp: 226656

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

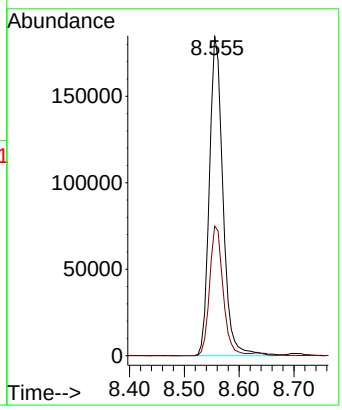





#51
4-Methyl-2-Pentanone
Concen: 227.242 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 43 Resp: 31702

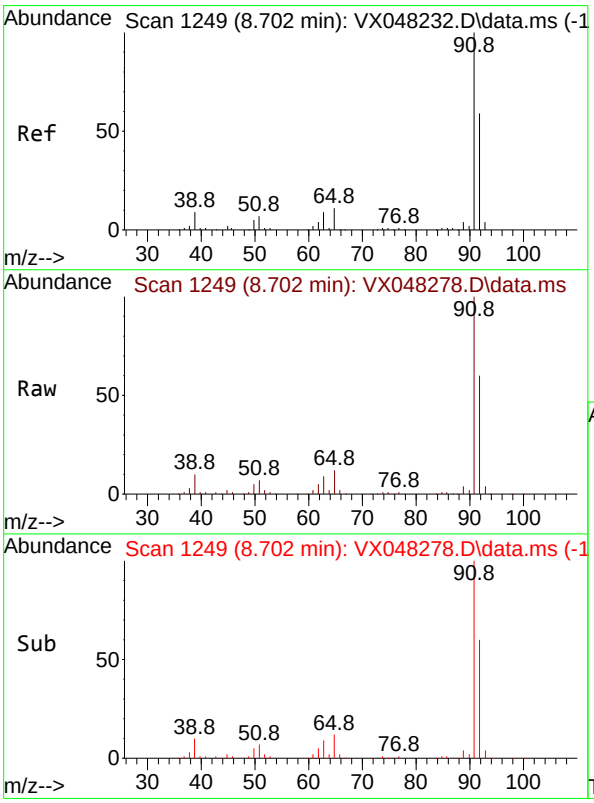
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.4 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

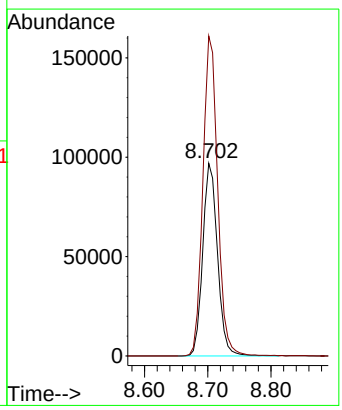
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

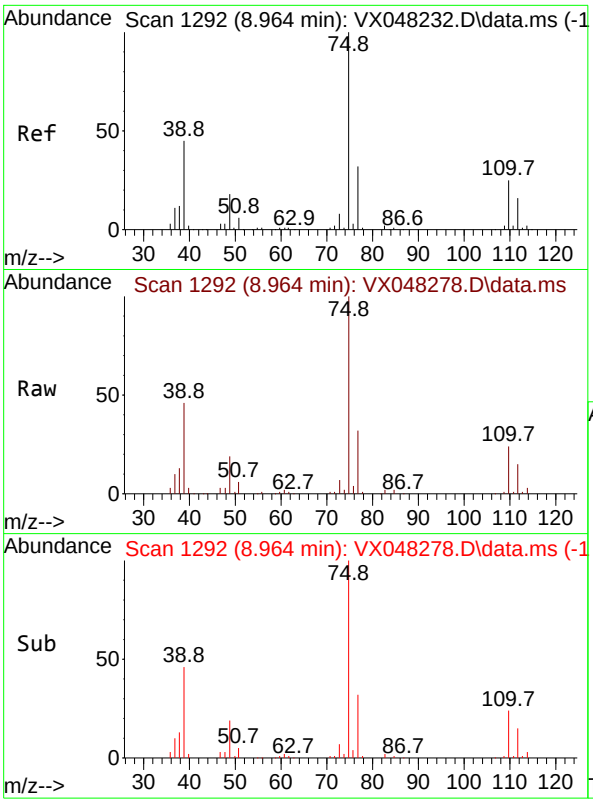



#52
Toluene
Concen: 48.031 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 92 Resp: 157443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 166.7 | 136.1 | 204.1 |

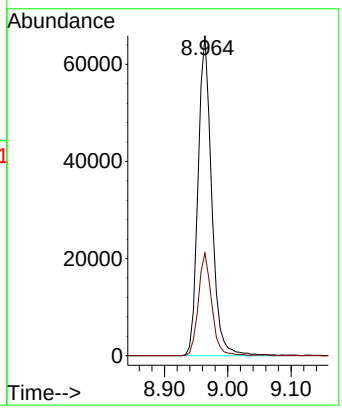





#53
t-1,3-Dichloropropene
Concen: 49.703 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 75 Resp: 9884

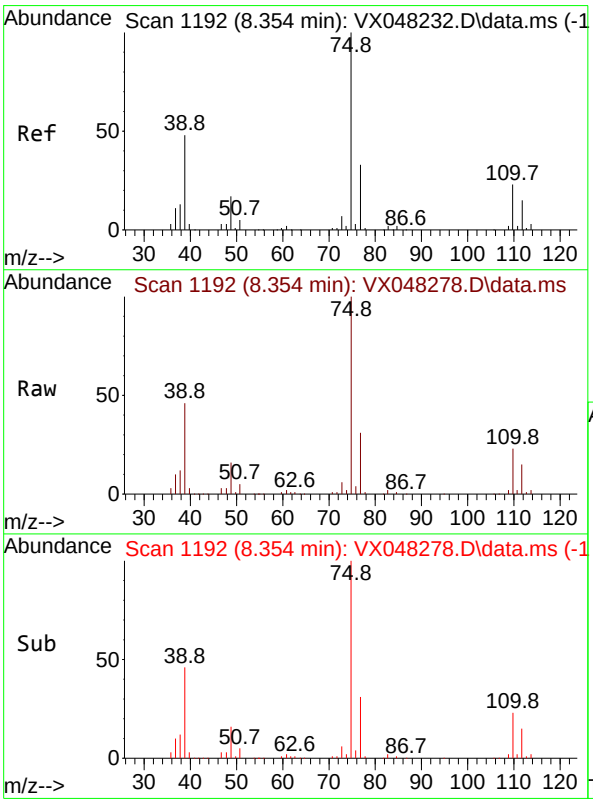
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

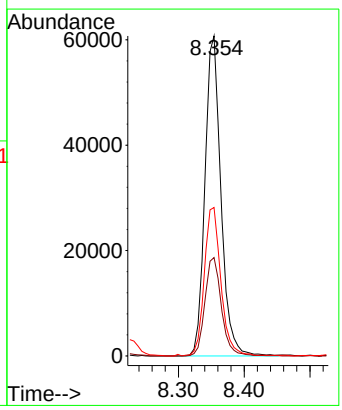
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

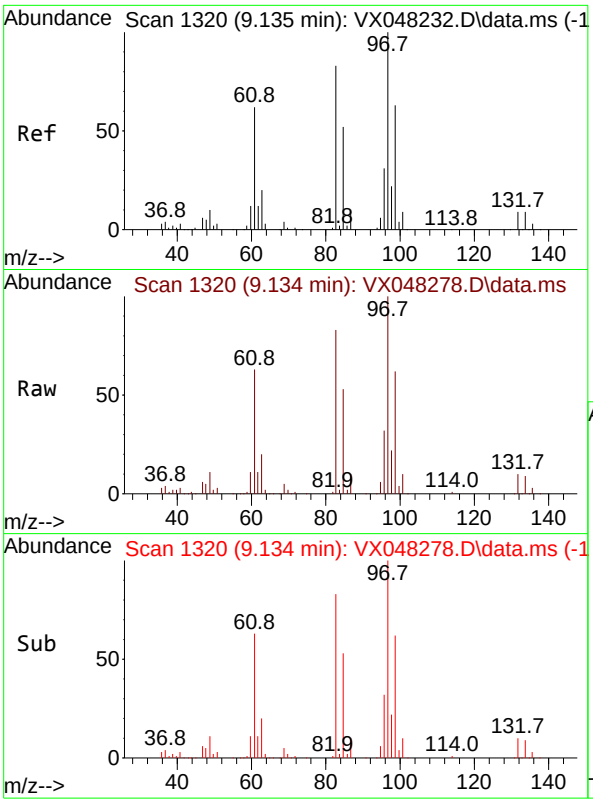



#54
cis-1,3-Dichloropropene
Concen: 47.929 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 75 Resp: 102835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.8 | 24.9 | 37.3 |
| 39 | 46.2 | 42.6 | 64.0 |

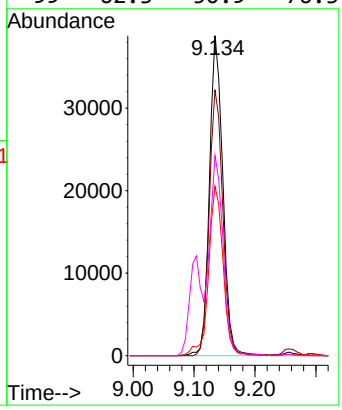





#55
1,1,2-Trichloroethane
Concen: 48.711 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 97 Resp: 5937

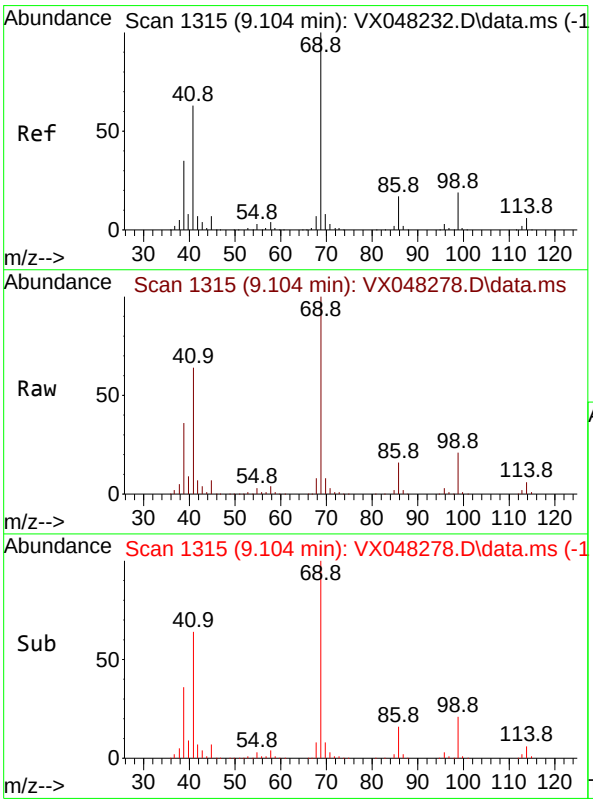
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.1 | 70.6 | 105.8 |
| 85 | 52.9 | 45.0 | 67.6 |
| 99 | 62.3 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

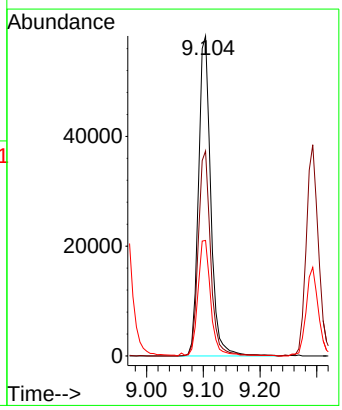
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

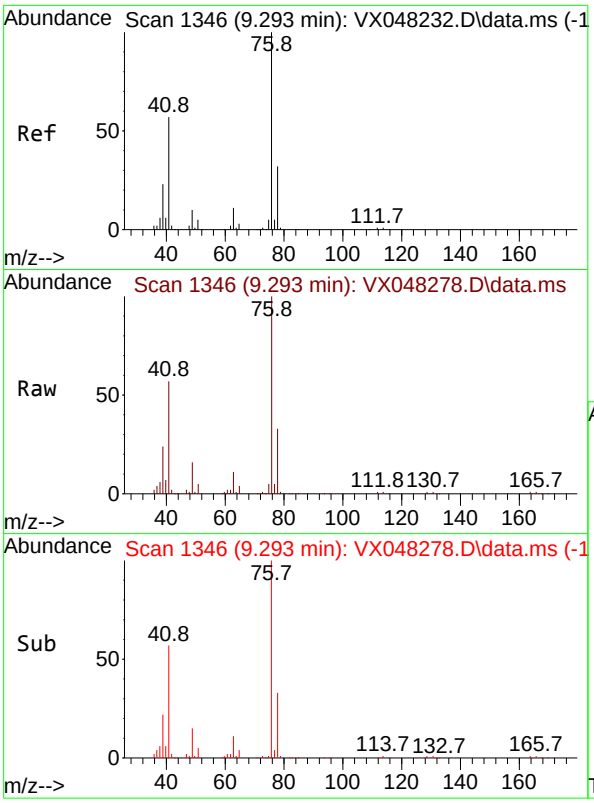



#56
Ethyl methacrylate
Concen: 49.025 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 69 Resp: 87411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.9 | 56.0 | 84.0 |
| 39 | 38.0 | 31.6 | 47.4 |






#57
1,3-Dichloropropane
Concen: 49.295 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

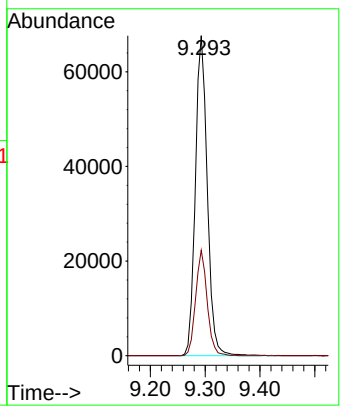
Tgt Ion: 76 Resp: 10264

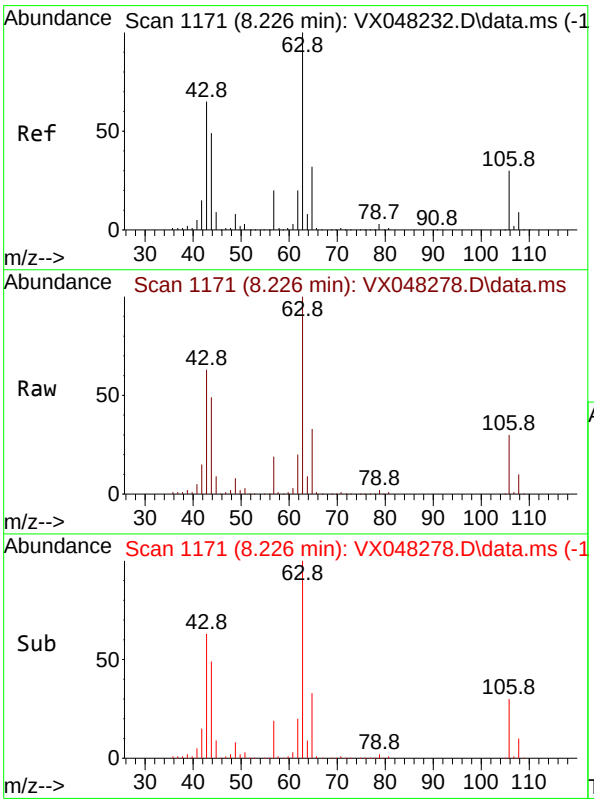
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.9 | 25.4 | 38.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

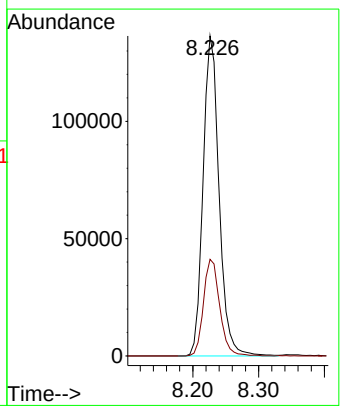


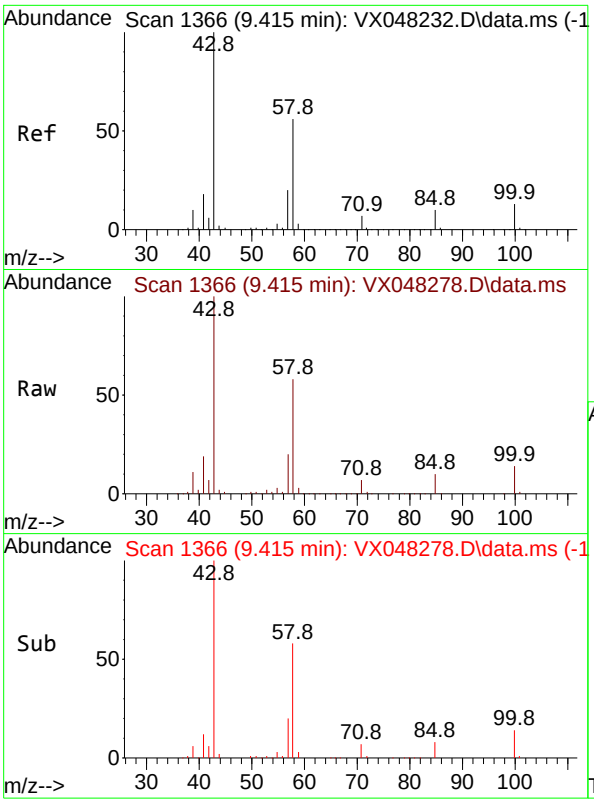




#58
2-Chloroethyl Vinyl ether
Concen: 240.651 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 63 Resp: 230656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.7 | 22.2 | 33.2 |






#59
2-Hexanone
Concen: 229.287 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

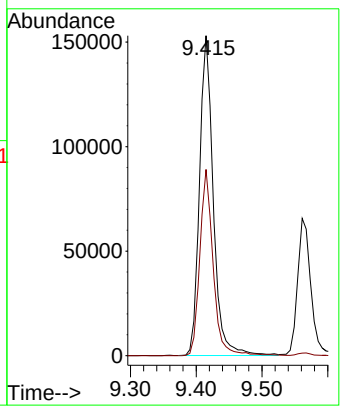
Tgt Ion: 43 Resp: 22305

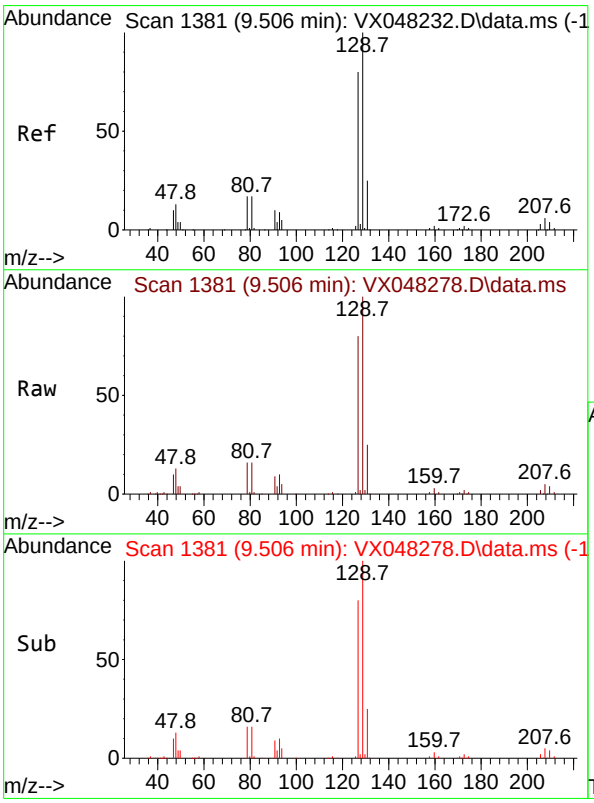
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.4 | 26.3 | 78.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

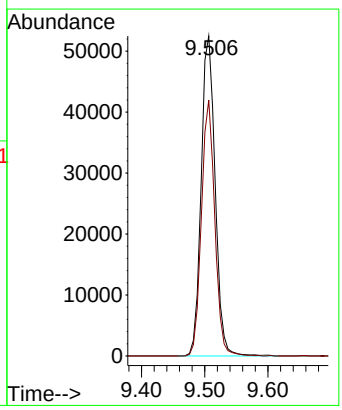


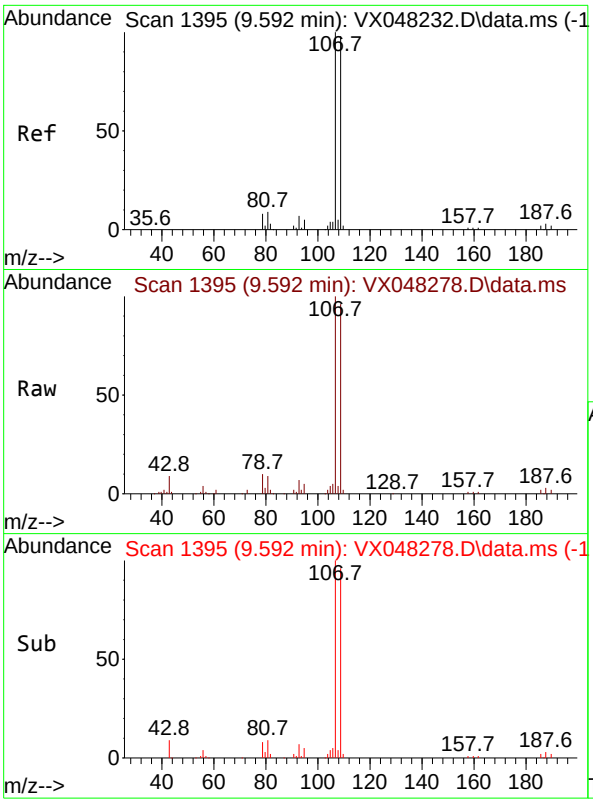




#60
Dibromochloromethane
Concen: 49.293 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:129 Resp: 80763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.6 | 38.6 | 115.7 |

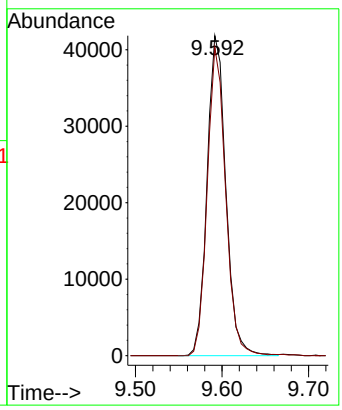





#61
1,2-Dibromoethane
Concen: 48.532 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:107 Resp: 6307

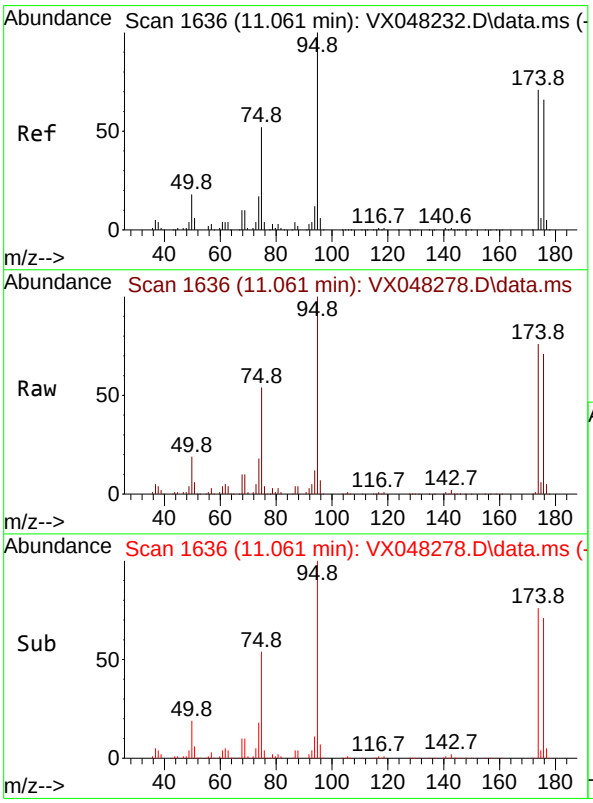
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.6 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

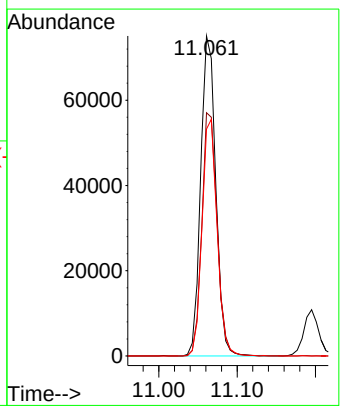
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

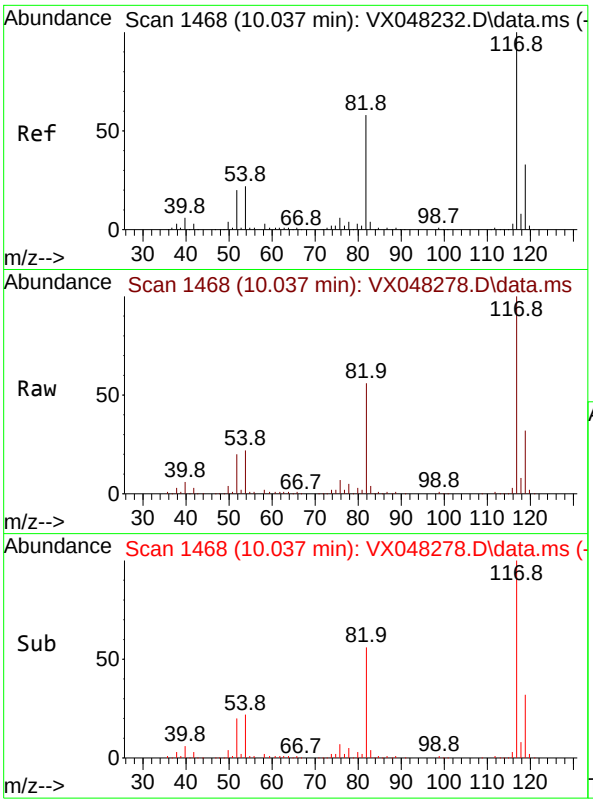



#62
4-Bromofluorobenzene
Concen: 60.121 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 95 Resp: 100241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.9 | 0.0 | 147.8 |
| 176 | 73.9 | 0.0 | 142.8 |

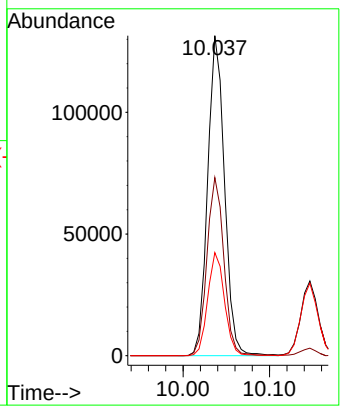





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:117 Resp: 17767

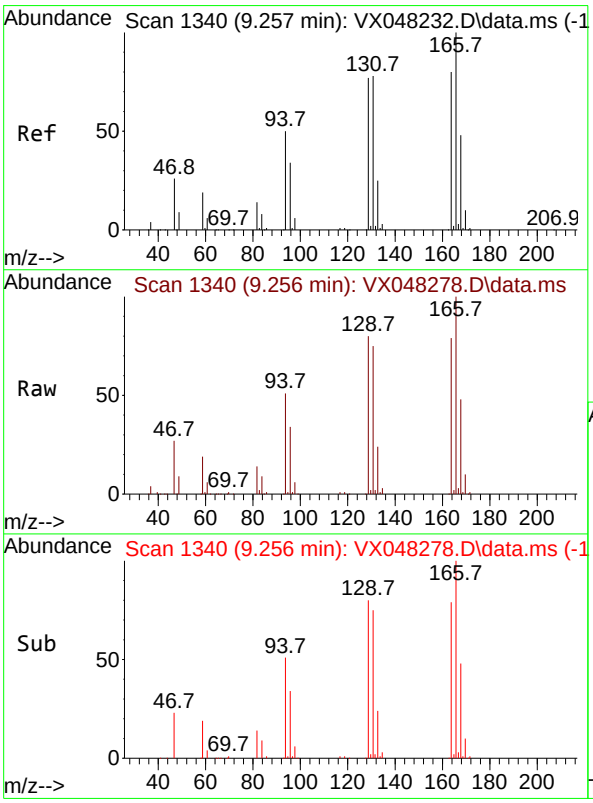
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.7 | 46.5 | 69.7 |
| 119 | 32.2 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

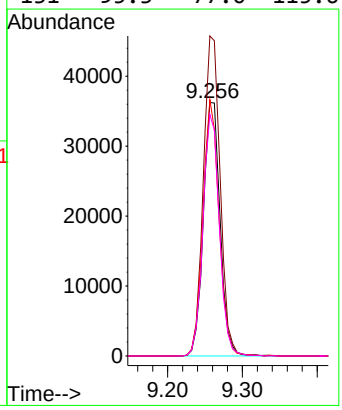
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

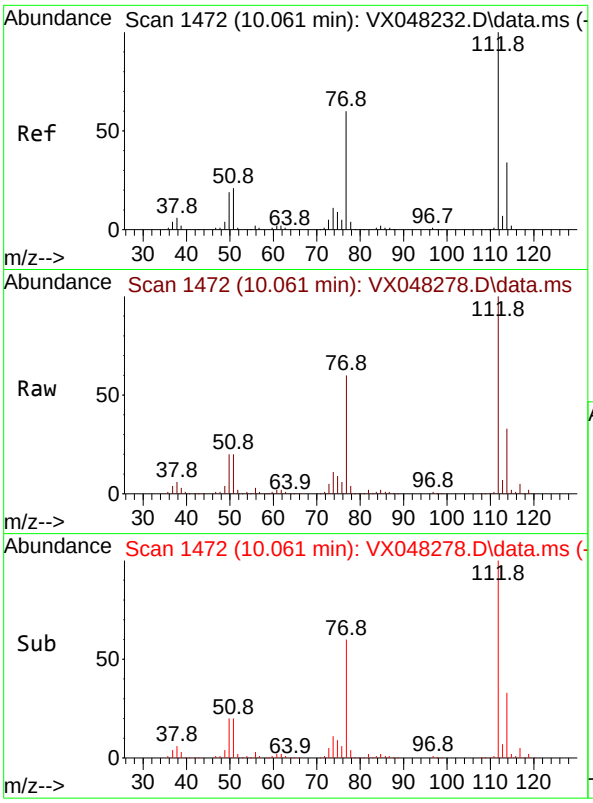



#64
Tetrachloroethene
Concen: 42.374 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:164 Resp: 56206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.2 | 104.5 | 156.7 |
| 129 | 101.1 | 81.8 | 122.6 |
| 131 | 95.3 | 77.0 | 115.6 |

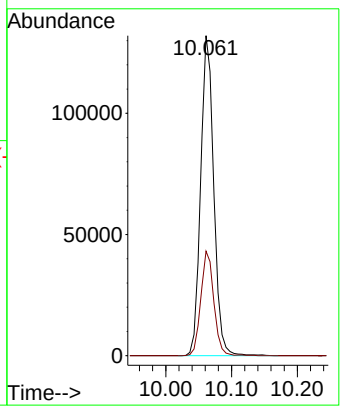





#65
Chlorobenzene
Concen: 45.637 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:112 Resp: 18240

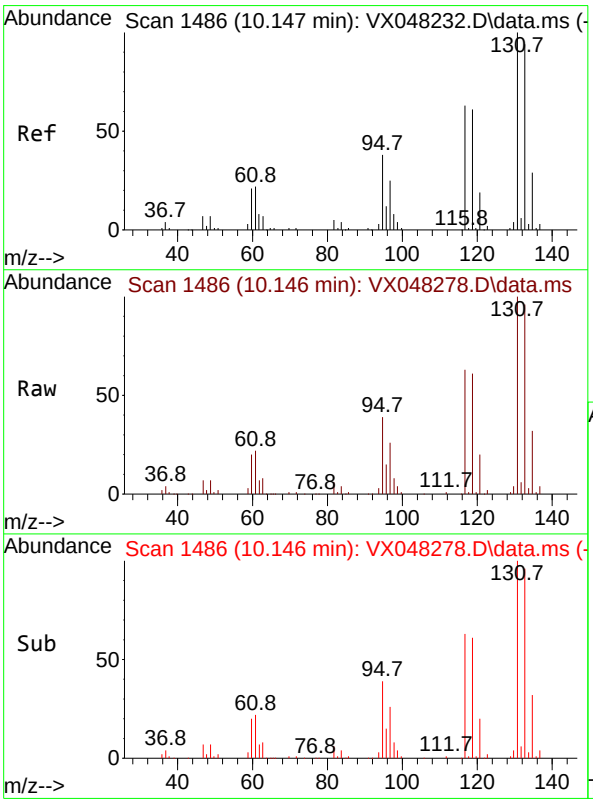
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

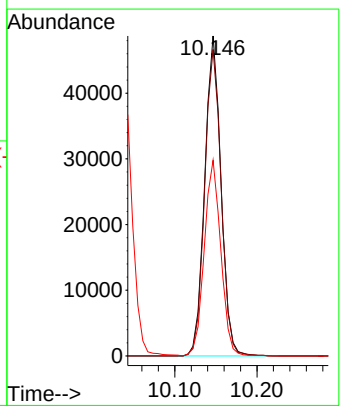
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

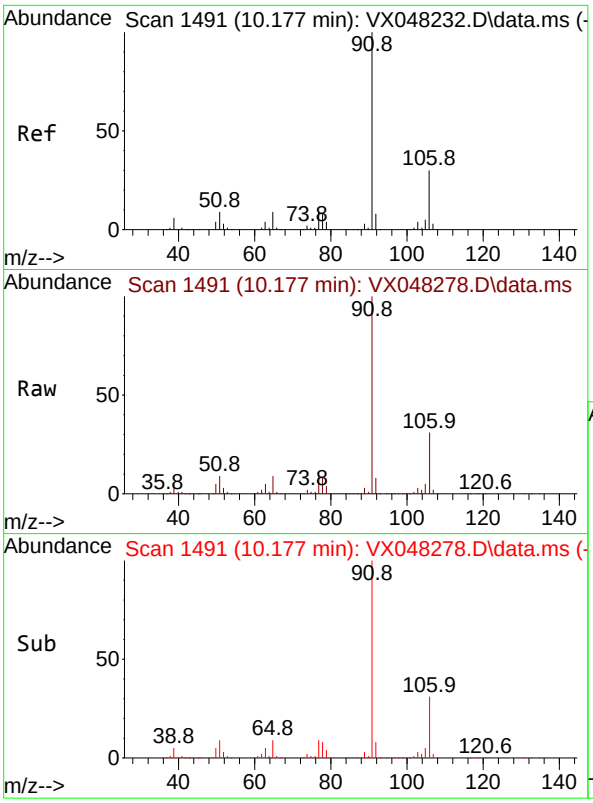



#66
1,1,1,2-Tetrachloroethane
Concen: 45.726 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:131 Resp: 67128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.7 | 47.6 | 142.8 |
| 119 | 62.0 | 32.5 | 97.5 |

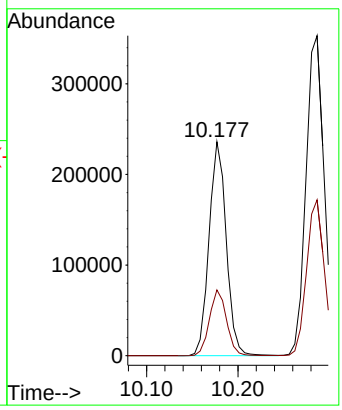





#67
Ethyl Benzene
Concen: 45.338 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 91 Resp: 30852

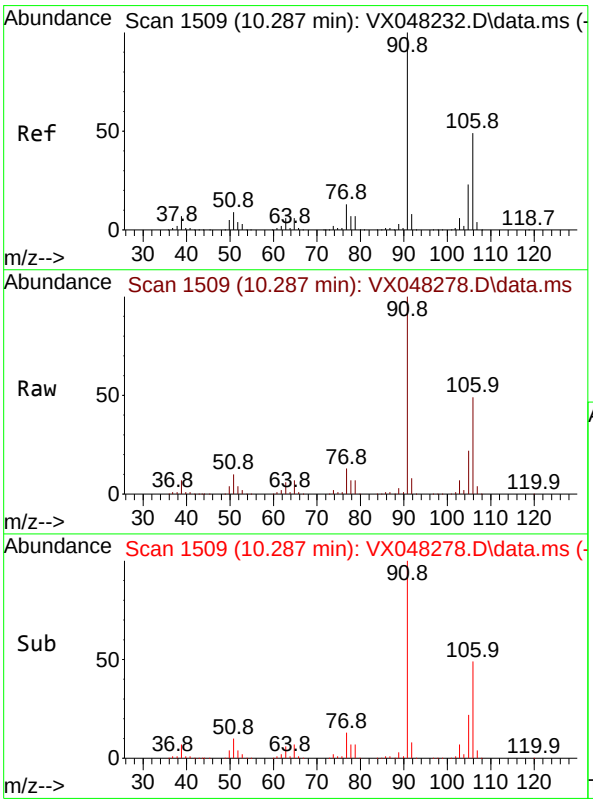
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.7 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

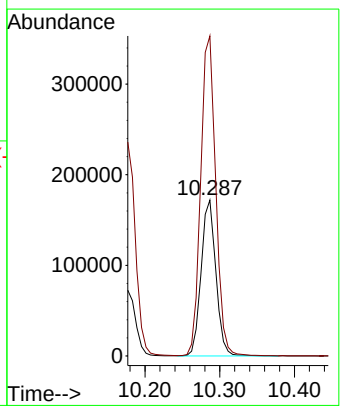
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

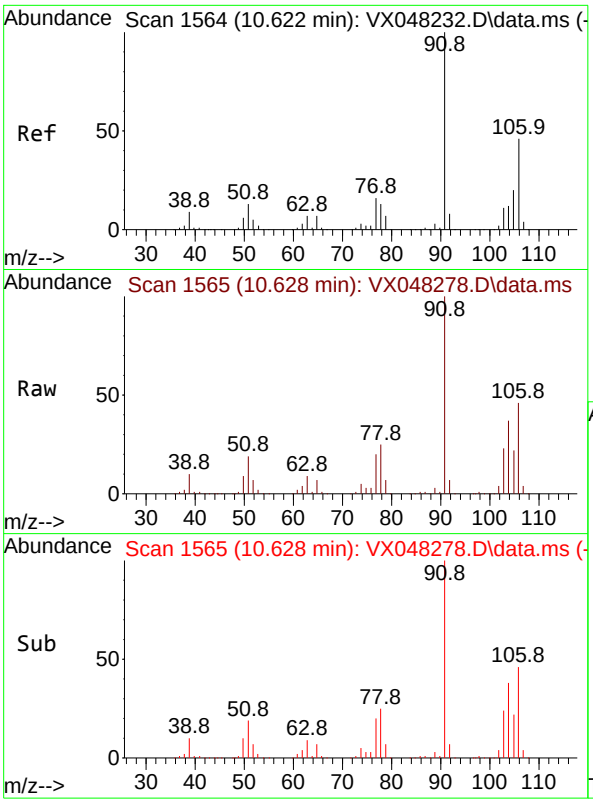



#68
m/p-Xylenes
Concen: 93.046 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:106 Resp: 235258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.5 | 167.9 | 251.9 |

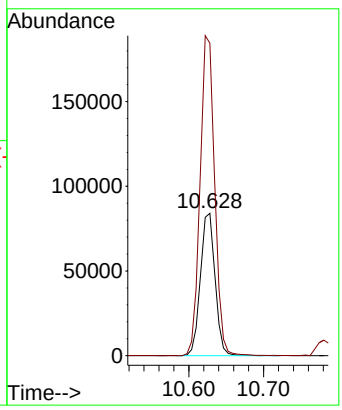





#69
o-Xylene
Concen: 46.976 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:106 Resp: 11467

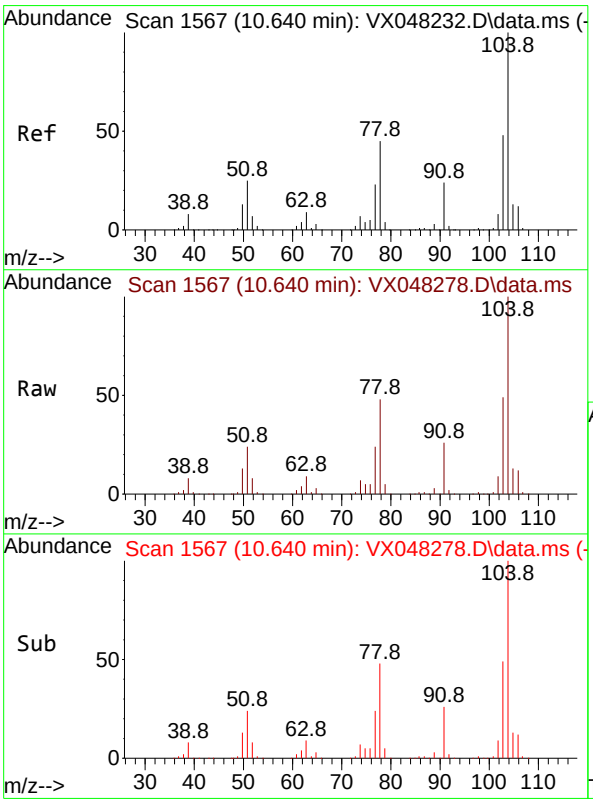
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.5 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

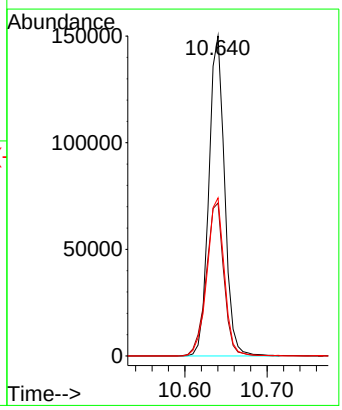
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

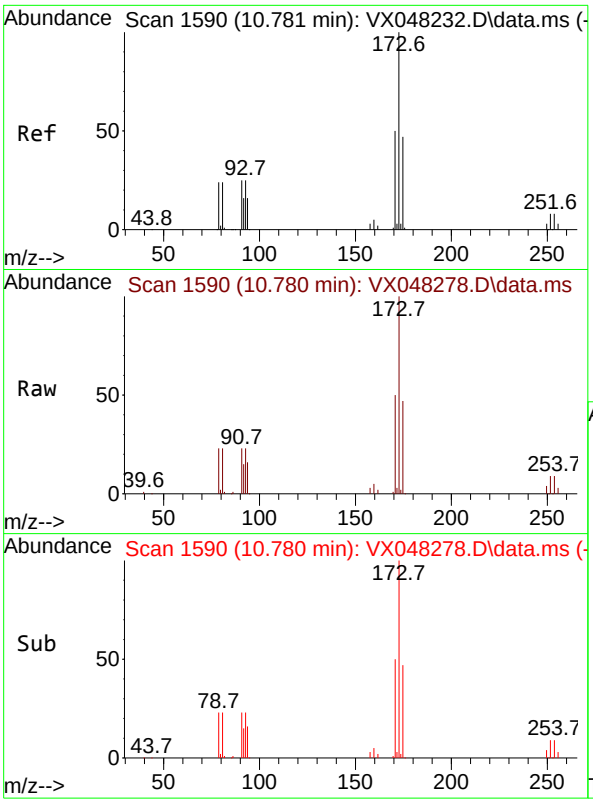



#70
Styrene
Concen: 48.144 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:104 Resp: 200106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.5 | 42.2 | 63.4 |
| 103 | 54.2 | 43.0 | 64.4 |

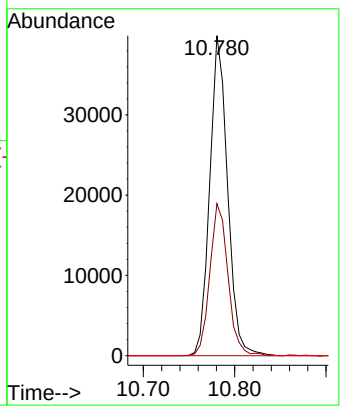





#71
Bromoform
Concen: 46.009 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

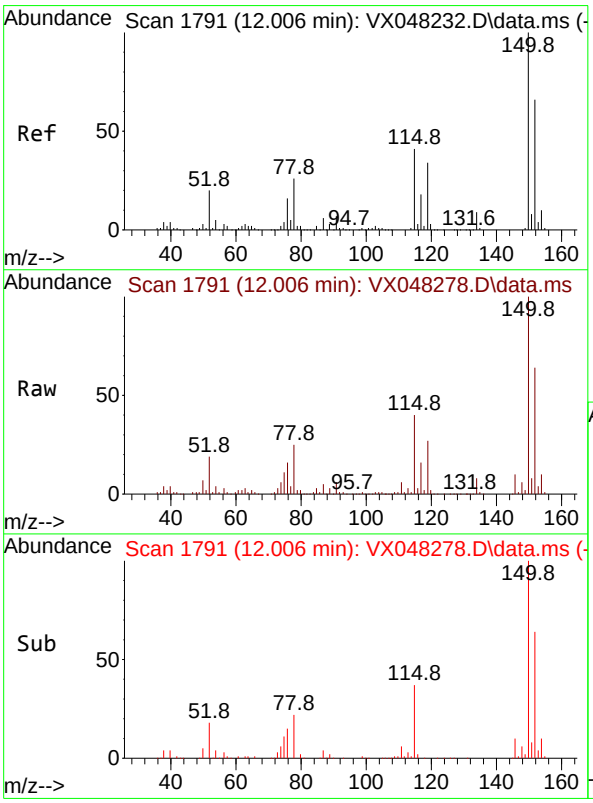
Tgt Ion:173 Resp: 5398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.2 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

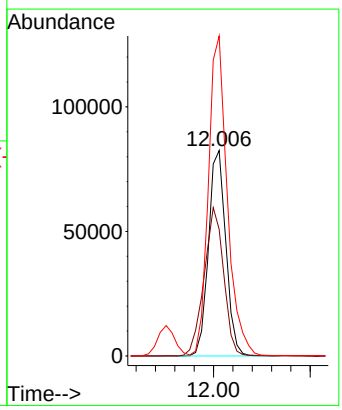
**Manual Integrations APPROVED**
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

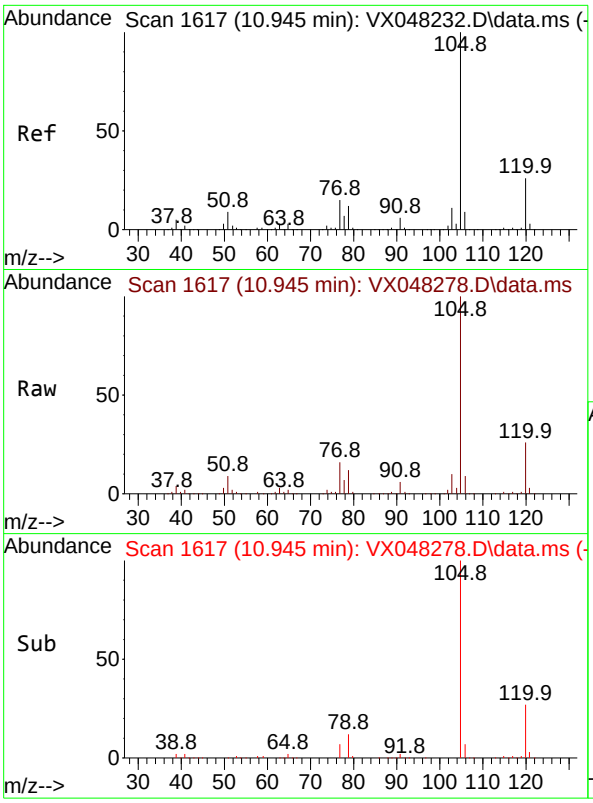



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:152 Resp: 103139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 81.5 | 43.1 | 129.4 |
| 150 | 168.7 | 0.0 | 353.0 |






#73
Isopropylbenzene
Concen: 41.323 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

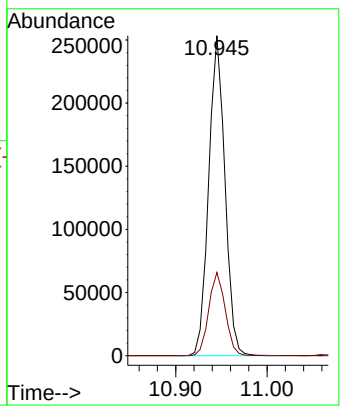
Tgt Ion:105 Resp: 31129

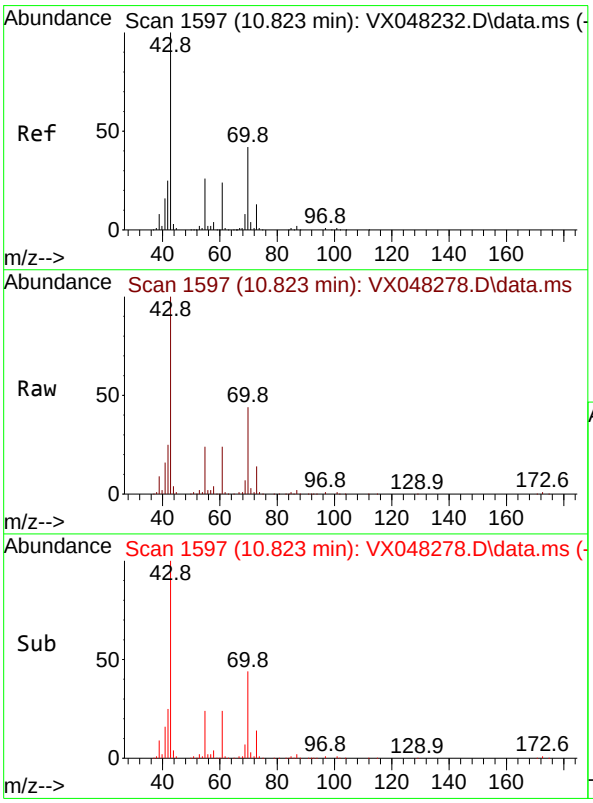
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 13.0 | 38.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

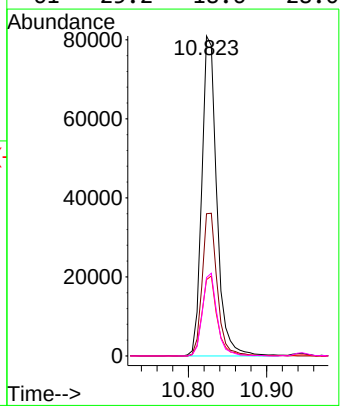


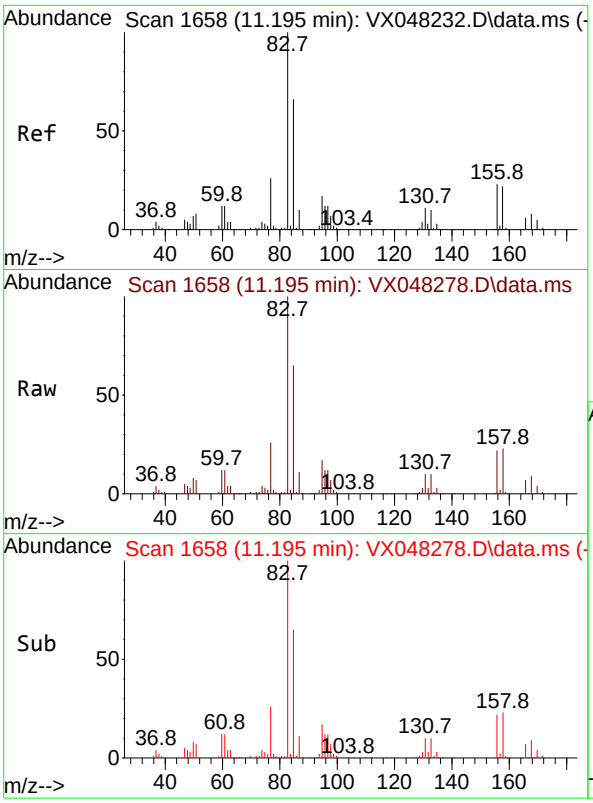




#74
N-amyl acetate
Concen: 40.243 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 43 Resp: 107536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.7 | 32.2 | 48.2 |
| 55 | 25.2 | 19.1 | 28.7 |
| 61 | 25.2 | 18.6 | 28.0 |

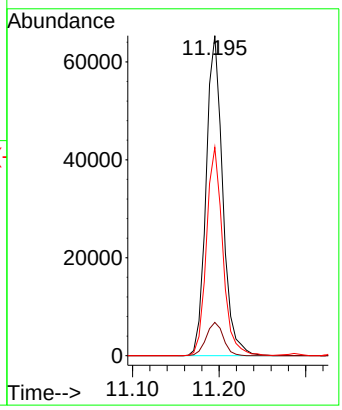





#75
1,1,2,2-Tetrachloroethane
Concen: 42.247 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 83 Resp: 8691

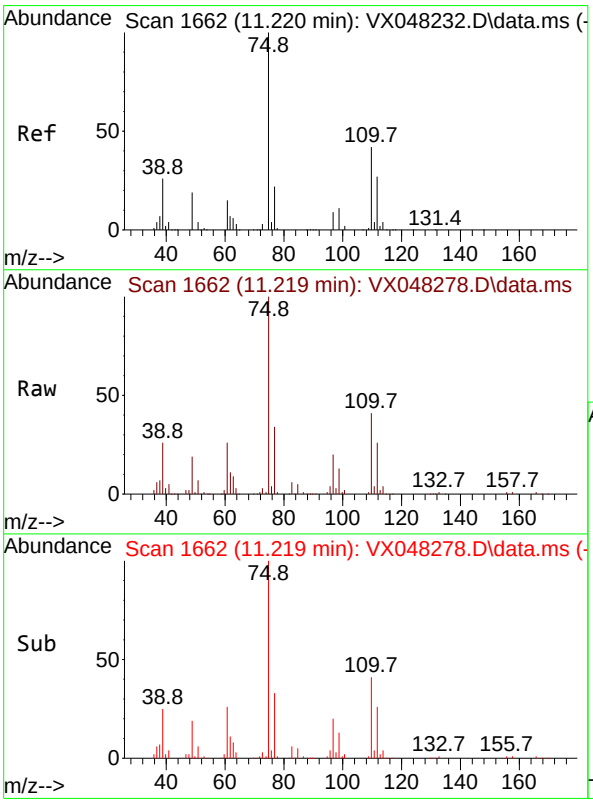
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.8 | 4.8 | 14.4 |
| 85 | 64.2 | 31.9 | 95.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

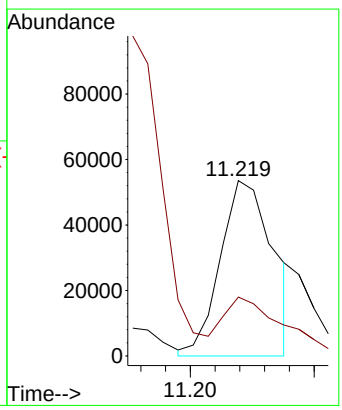
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

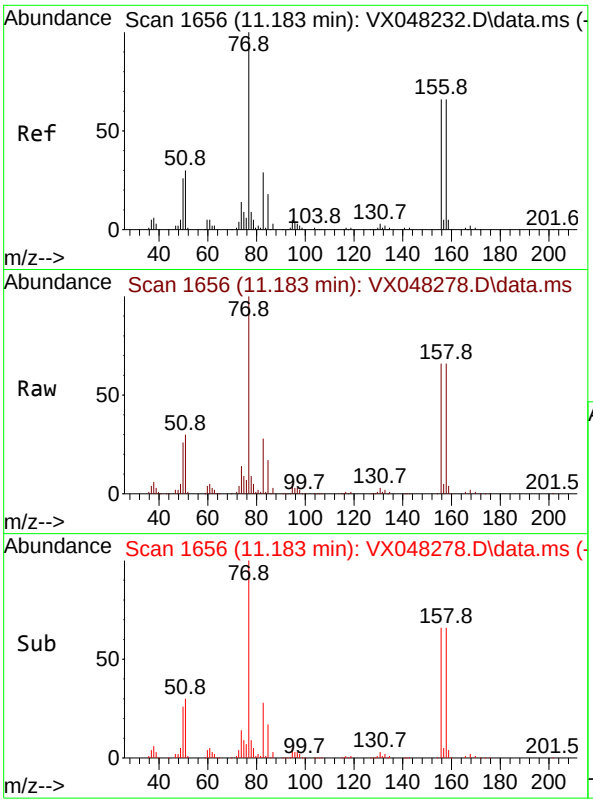



#76
1,2,3-Trichloropropane
Concen: 47.529 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 75 Resp: 79495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.2 | 22.4 | 67.2 |

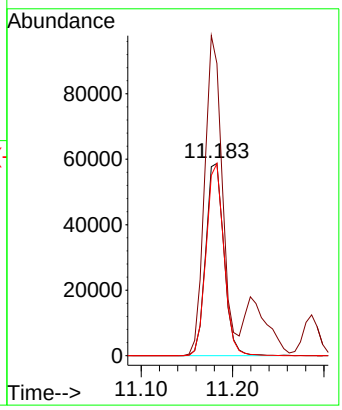





#77
Bromobenzene
Concen: 42.643 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

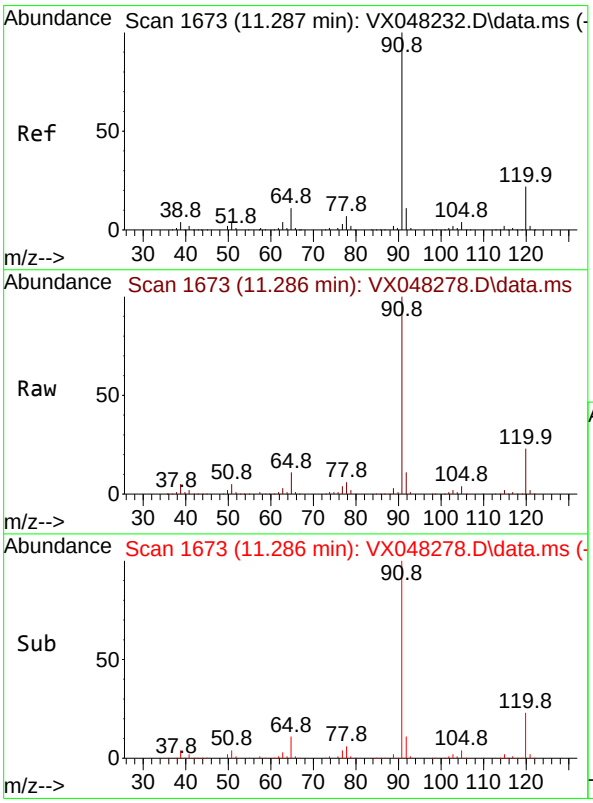
Tgt Ion:156 Resp: 8054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 162.8 | 87.0 | 261.0 |
| 158 | 98.1 | 47.8 | 143.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

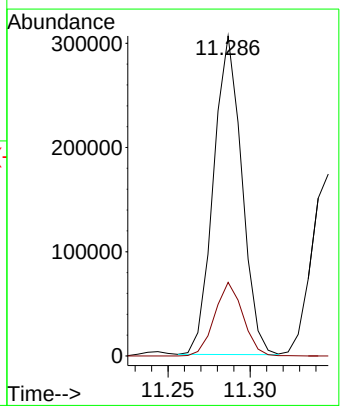
**Manual Integrations APPROVED**
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

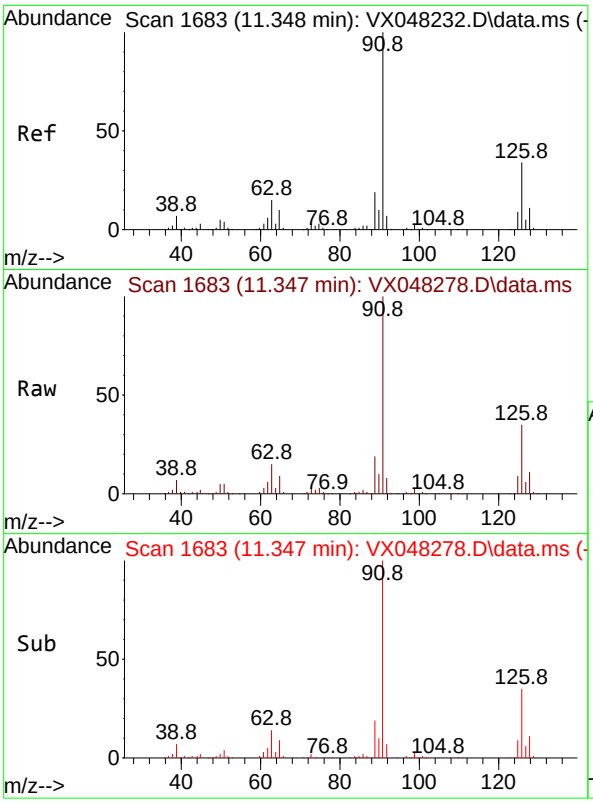



#78
n-propylbenzene
Concen: 41.944 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 91 Resp: 365847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.1 | 11.1 | 33.1 |






#79
2-Chlorotoluene
Concen: 41.700 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

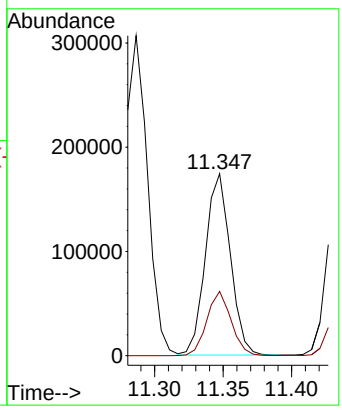
Tgt Ion: 91 Resp: 22051

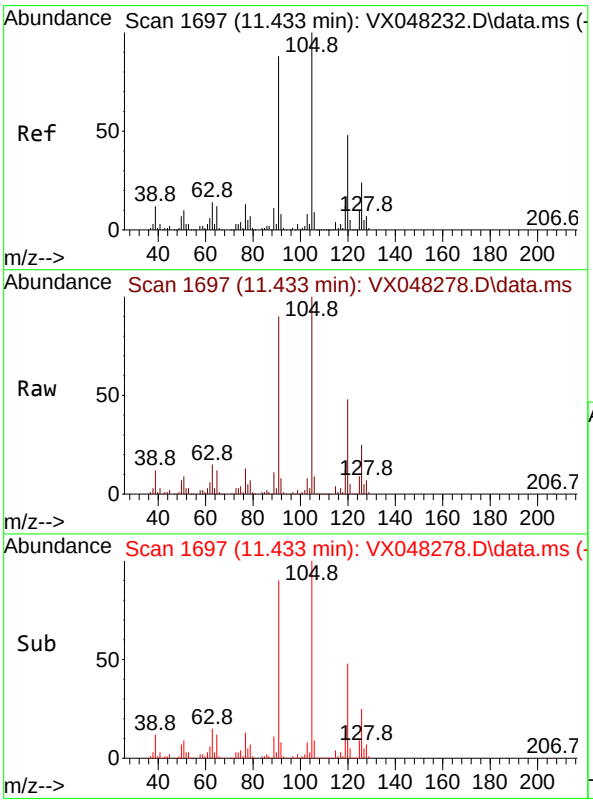
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.6 | 16.4 | 49.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

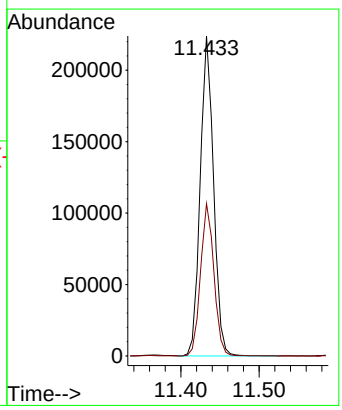


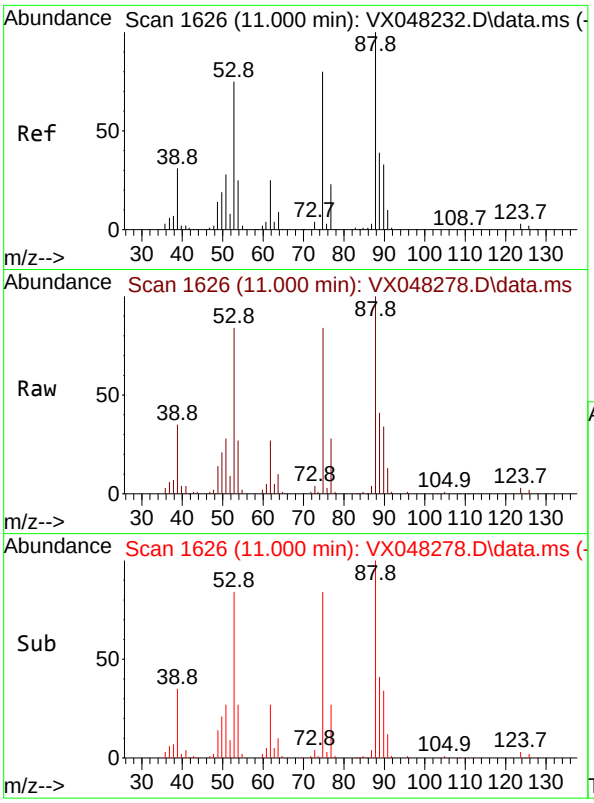




#80
1,3,5-Trimethylbenzene
Concen: 42.365 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:105 Resp: 264110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.9 | 24.0 | 72.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 40.195 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

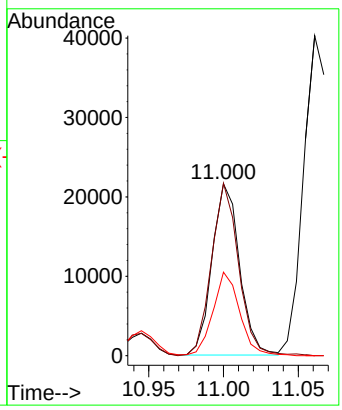
Tgt Ion: 75 Resp: 2763

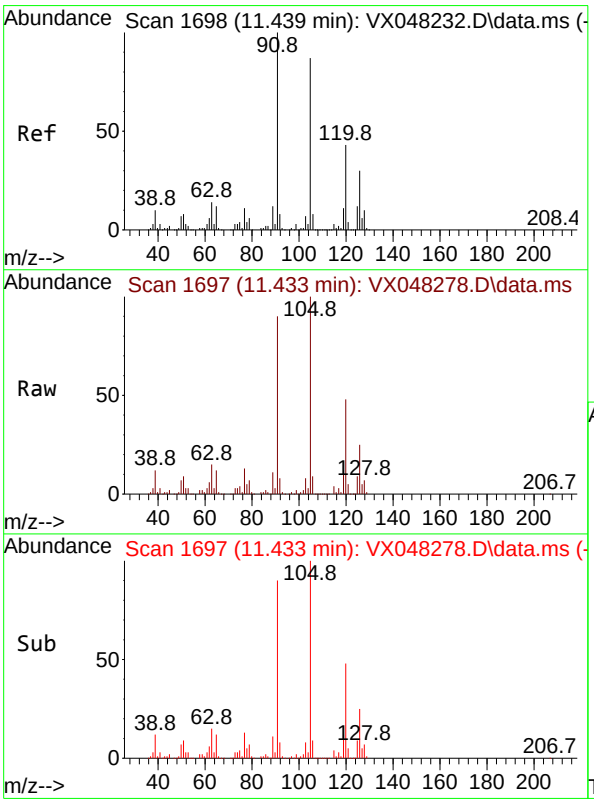
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 99.4 | 79.5 | 119.3 |
| 89 | 47.4 | 36.8 | 55.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

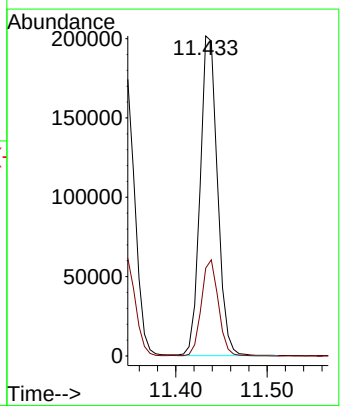


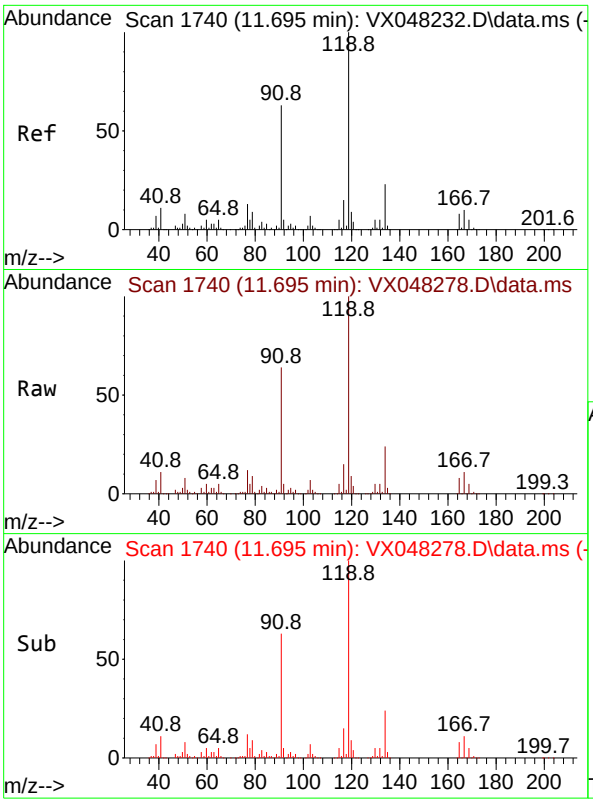




#82
4-Chlorotoluene
Concen: 42.258 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 91 Resp: 265279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.4 | 14.1 | 42.4 |

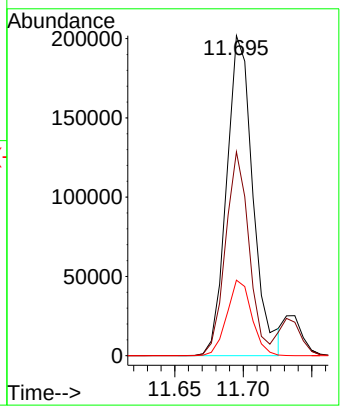





#83
tert-Butylbenzene
Concen: 42.107 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:119 Resp: 26971

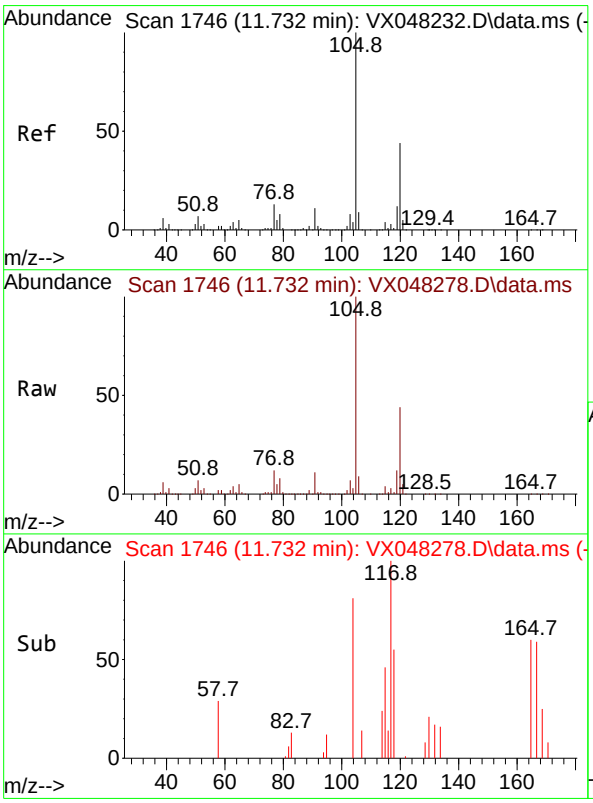
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 57.2 | 30.3 | 91.0 |
| 134 | 22.3 | 11.4 | 34.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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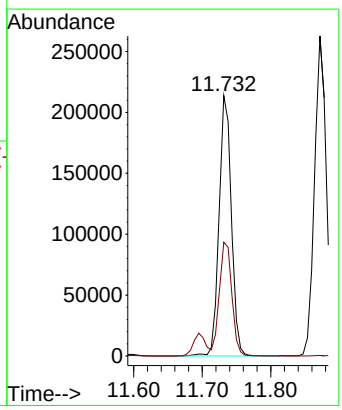
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

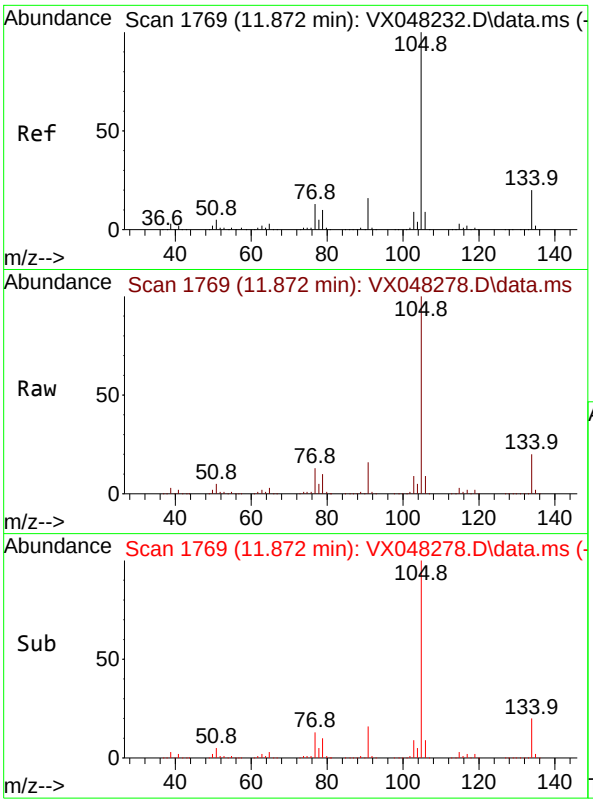



#84
1,2,4-Trimethylbenzene
Concen: 42.577 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:105 Resp: 264898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 22.1 | 66.5 |






#85
sec-Butylbenzene
Concen: 40.863 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

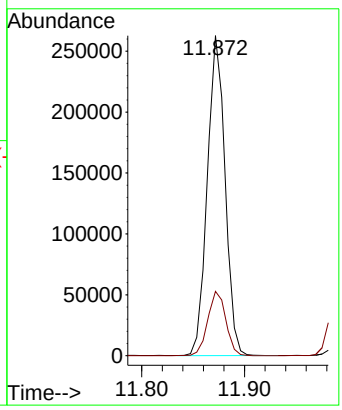
Tgt Ion:105 Resp: 31490

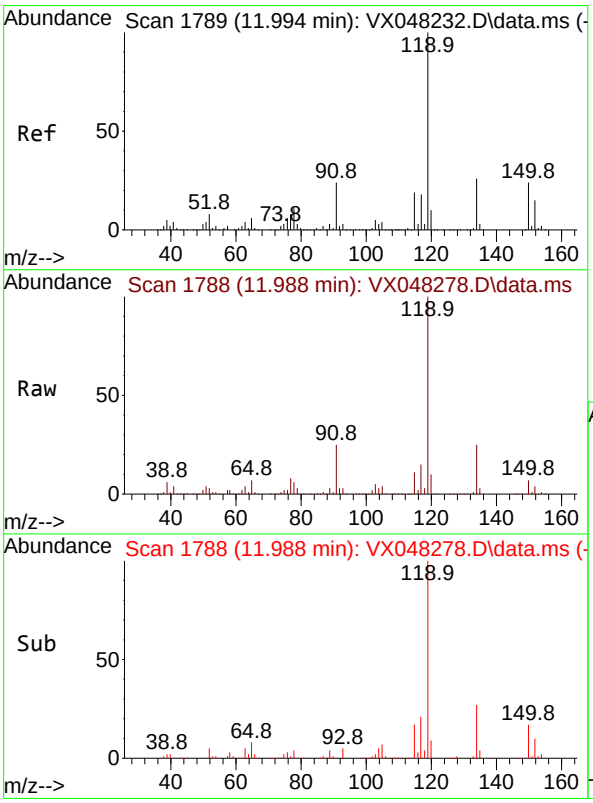
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.5 | 10.1 | 30.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

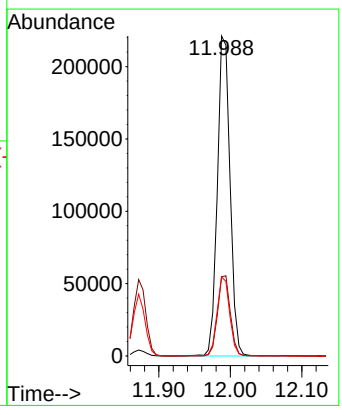


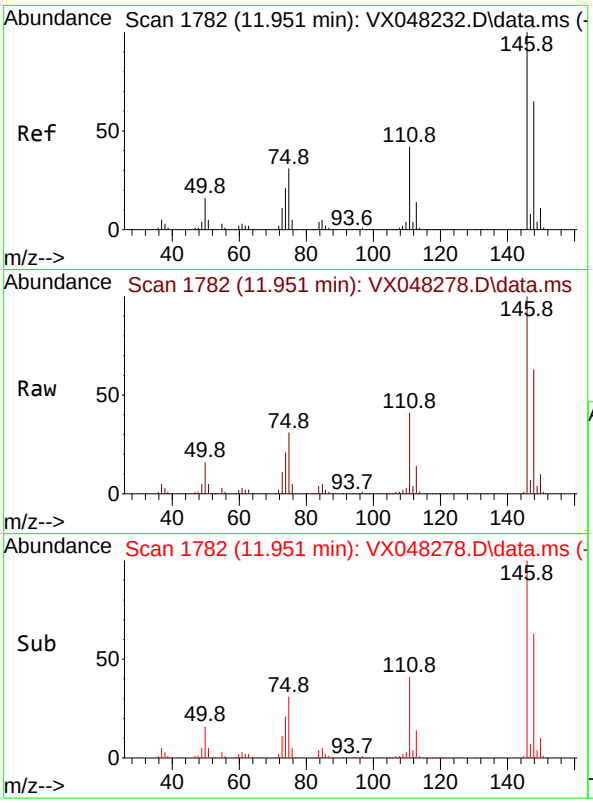




#86
p-Isopropyltoluene
Concen: 40.931 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:119 Resp: 272639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.2 | 13.0 | 39.0 |
| 91 | 24.5 | 12.1 | 36.3 |

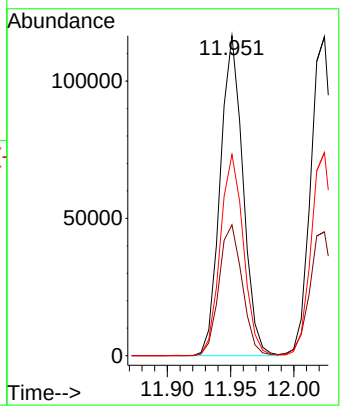





#87
1,3-Dichlorobenzene
Concen: 40.908 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:146 Resp: 14566

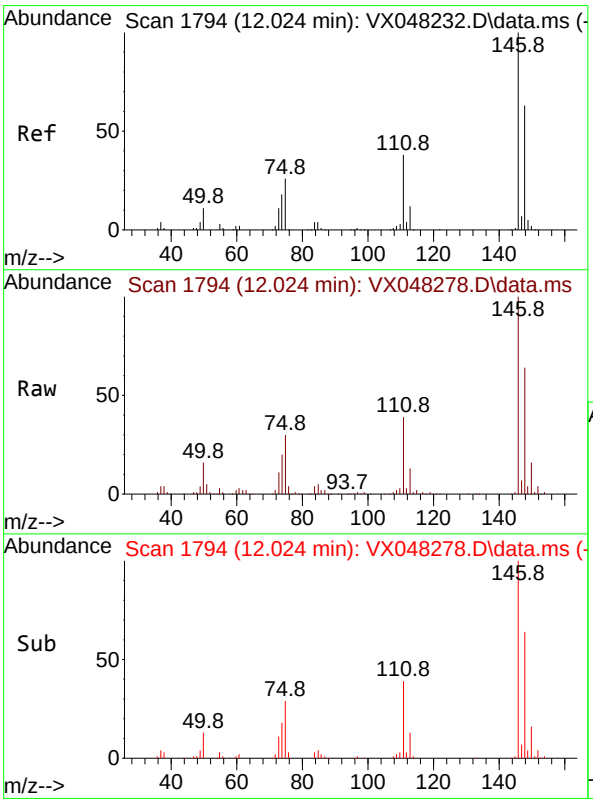
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 20.4 | 61.2 |
| 148 | 63.9 | 31.9 | 95.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

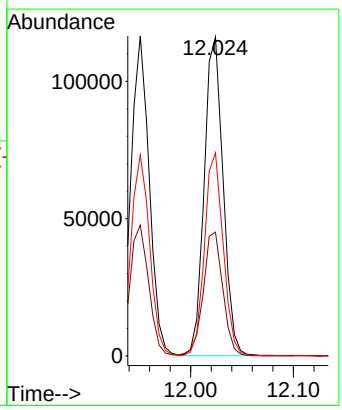
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

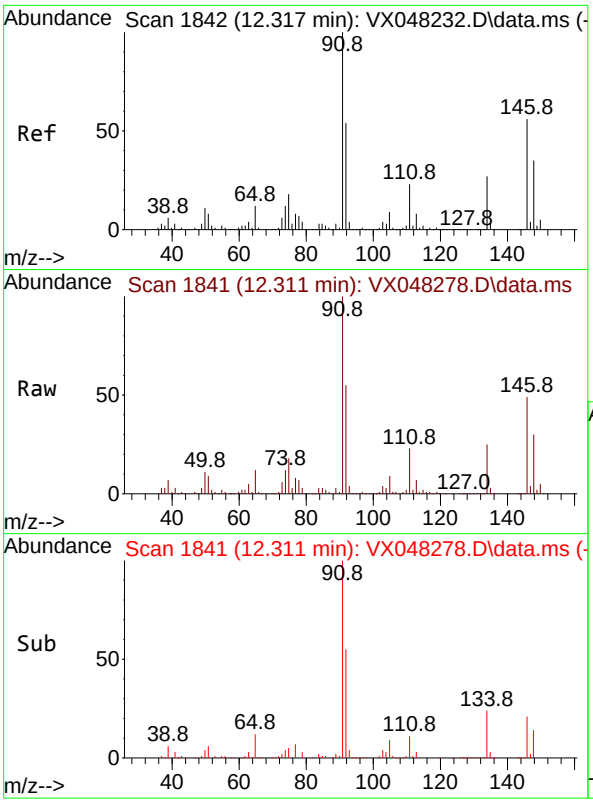



#88
1,4-Dichlorobenzene
Concen: 40.270 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:146 Resp: 148555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.2 | 20.1 | 60.2 |
| 148 | 63.4 | 31.8 | 95.3 |






#89
n-Butylbenzene
Concen: 39.088 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

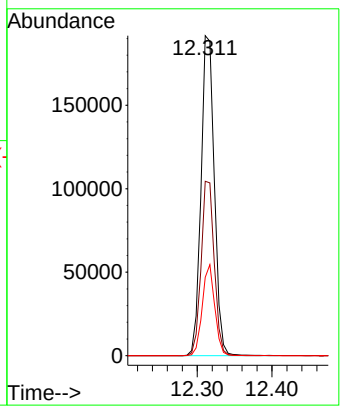
Tgt Ion: 91 Resp: 23698

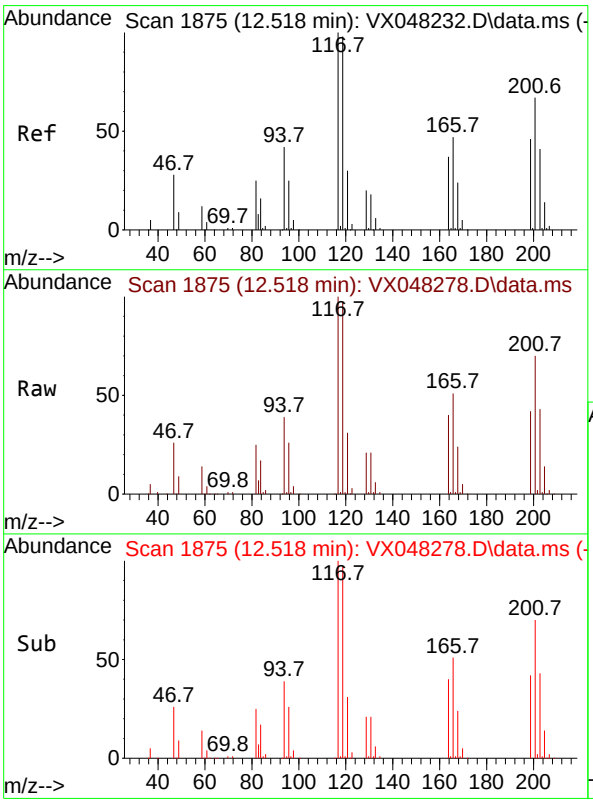
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.0 | 26.9 | 80.6 |
| 134 | 26.6 | 12.7 | 38.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

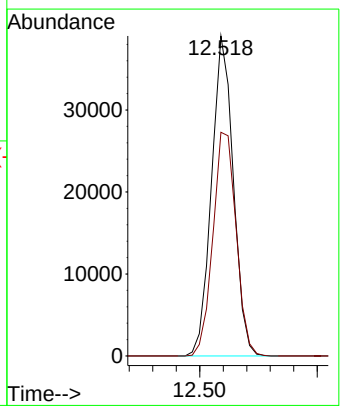


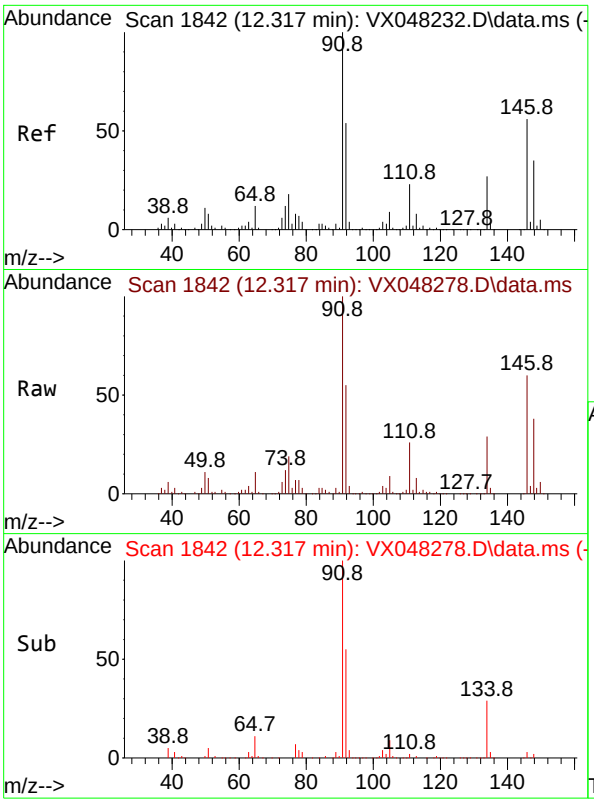




#90
Hexachloroethane
Concen: 38.153 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:117 Resp: 50186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 74.6 | 34.1 | 102.2 |

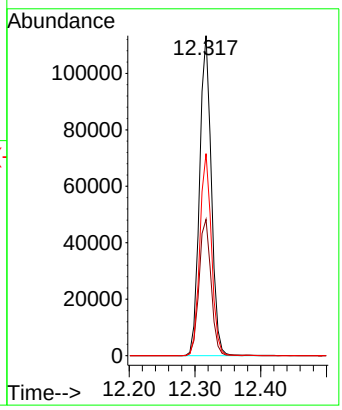





#91
1,2-Dichlorobenzene
Concen: 42.066 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:146 Resp: 14063

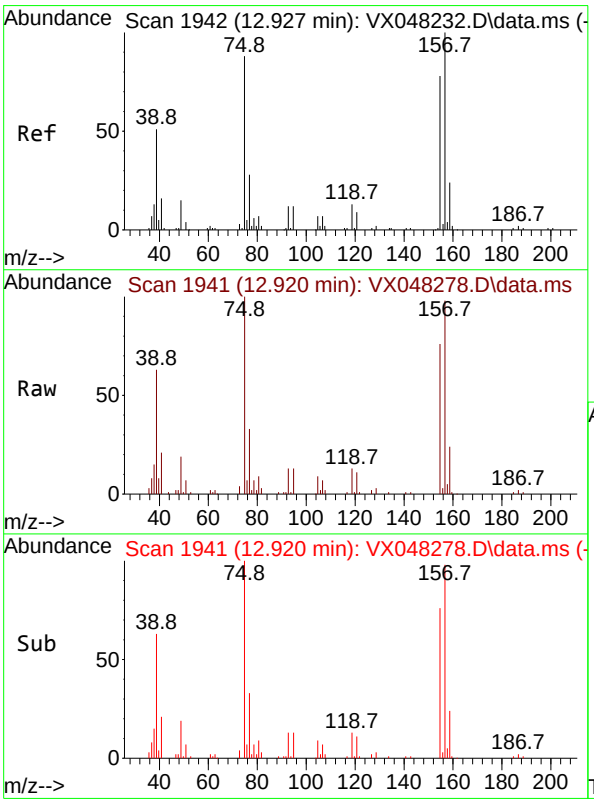
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.9 | 65.5 |
| 148 | 62.7 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

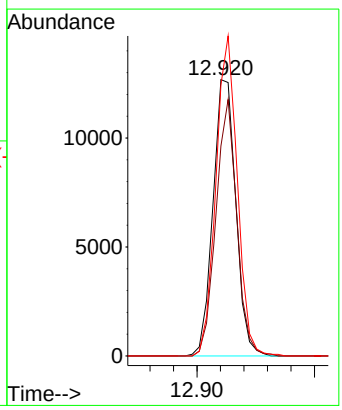
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

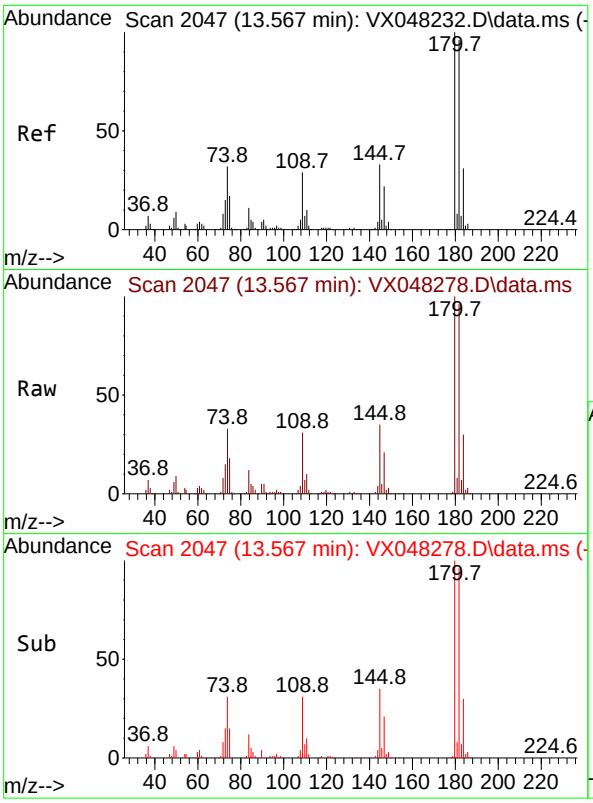



#92
1,2-Dibromo-3-Chloropropane
Concen: 40.930 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 75 Resp: 17092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.0 | 42.8 | 128.4 |
| 157 | 108.8 | 54.2 | 162.6 |

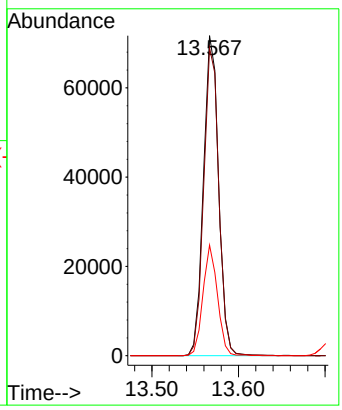





#93
1,2,4-Trichlorobenzene
Concen: 38.490 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:180 Resp: 8702

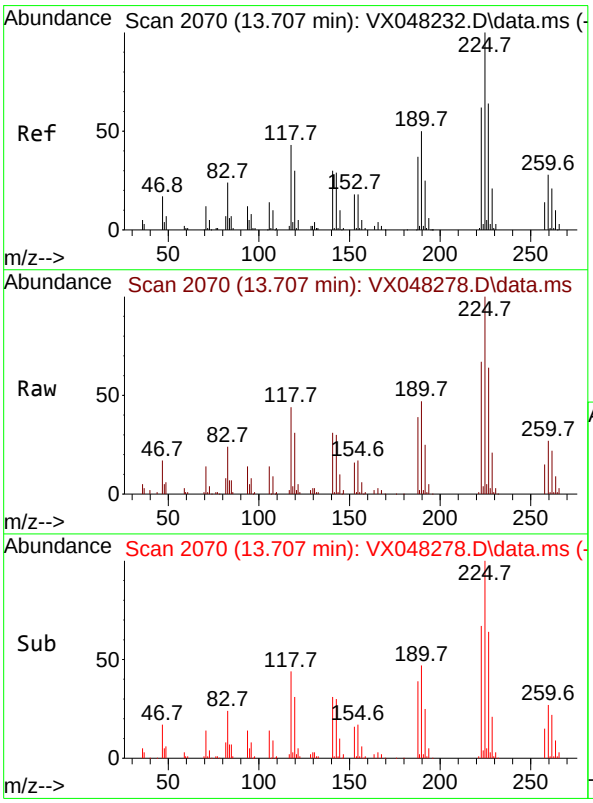
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 47.3 | 142.0 |
| 145 | 33.1 | 16.3 | 48.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

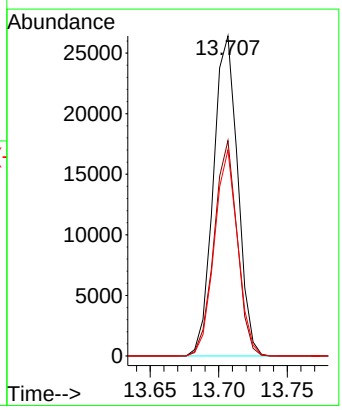
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

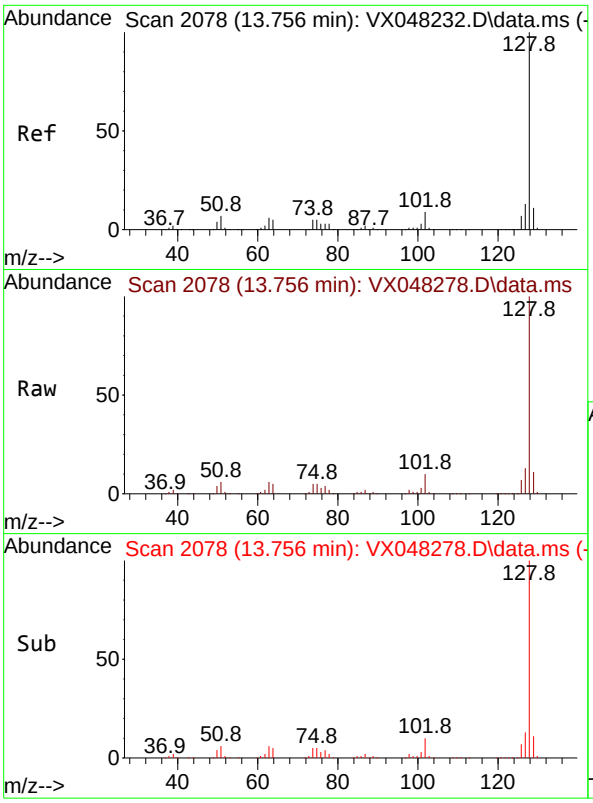



#94
Hexachlorobutadiene
Concen: 38.565 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:225 Resp: 32660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 32.6 | 97.7 |
| 227 | 61.7 | 32.5 | 97.4 |

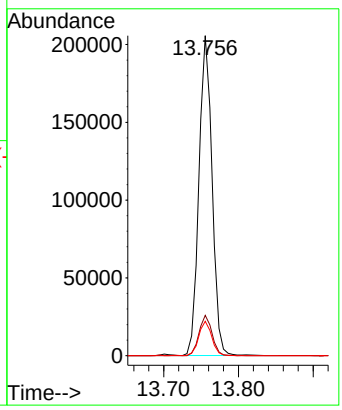





#95
Naphthalene
Concen: 41.822 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:128 Resp: 25051

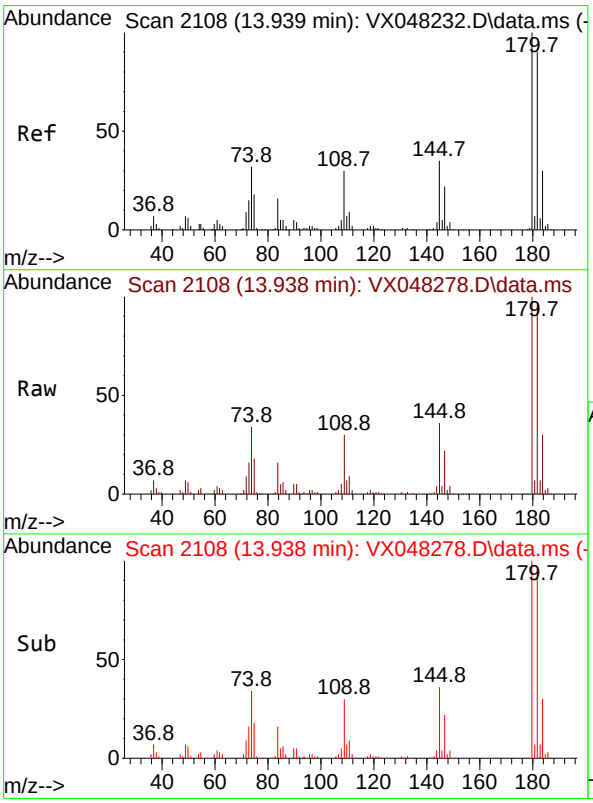
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.5 | 10.2 | 15.4 |
| 129 | 10.7 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

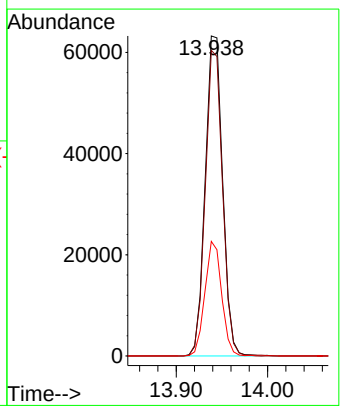
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025




#96
1,2,3-Trichlorobenzene
Concen: 40.246 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:180 Resp: 83499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 46.6 | 139.7 |
| 145 | 34.5 | 16.9 | 50.7 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 89 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.514 | 0.469 | 8.8 | 86 | 0.00 |
| 3 | P | Chloromethane | 0.480 | 0.395 | 17.7 | 78 | 0.00 |
| 4 | C | Vinyl Chloride | 0.444 | 0.366 | 17.6# | 78 | 0.00 |
| 5 | T | Bromomethane | 0.302 | 0.258 | 14.6 | 81 | 0.00 |
| 6 | T | Chloroethane | 0.261 | 0.231 | 11.5 | 83 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.852 | 0.801 | 6.0 | 88 | 0.00 |
| 8 | T | Diethyl Ether | 0.240 | 0.220 | 8.3 | 87 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.540 | 0.479 | 11.3 | 85 | 0.00 |
| 10 | T | Methyl Iodide | 0.678 | 0.698 | -2.9 | 93 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.070 | 0.057 | 18.6 | 81 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.525 | 0.490 | 6.7# | 89 | 0.00 |
| 13 | T | Acrolein | 0.071 | 0.076 | -7.0 | 104 | 0.00 |
| 14 | T | Allyl chloride | 0.872 | 0.780 | 10.6 | 86 | 0.00 |
| 15 | T | Acrylonitrile | 0.251 | 0.232 | 7.6 | 86 | 0.00 |
| 16 | T | Acetone | 0.240 | 0.185 | 22.9 | 81 | 0.00 |
| 17 | T | Carbon Disulfide | 1.654 | 1.375 | 16.9 | 84 | 0.00 |
| 18 | T | Methyl Acetate | 0.502 | 0.451 | 10.2 | 86 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.791 | 1.749 | 2.3 | 91 | 0.00 |
| 20 | T | Methylene Chloride | 0.586 | 0.564 | 3.8 | 91 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.577 | 0.537 | 6.9 | 89 | 0.00 |
| 22 | T | Diisopropyl ether | 1.738 | 1.663 | 4.3 | 89 | 0.00 |
| 23 | T | Vinyl Acetate | 1.389 | 1.347 | 3.0 | 88 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.051 | 0.987 | 6.1 | 89 | 0.00 |
| 25 | T | 2-Butanone | 0.304 | 0.262 | 13.8 | 83 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.949 | 0.849 | 10.5 | 86 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.673 | 0.652 | 3.1 | 92 | 0.00 |
| 28 | T | Bromochloromethane | 0.436 | 0.416 | 4.6 | 83 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.182 | 0.159 | 12.6 | 83 | 0.00 |
| 30 | C | Chloroform | 1.123 | 1.104 | 1.7# | 93 | 0.00 |
| 31 | T | Cyclohexane | 0.870 | 0.770 | 11.5 | 83 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.035 | 1.009 | 2.5 | 92 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.701 | 0.787 | -12.3 | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.341 | 0.360 | -5.6 | 99 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.485 | 0.440 | 9.3 | 92 | 0.00 |
| 37 | T | Ethyl Acetate | 0.402 | 0.345 | 14.2 | 85 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.599 | 0.547 | 8.7 | 90 | 0.00 |
| 39 | T | Methylcyclohexane | 0.573 | 0.489 | 14.7 | 82 | 0.00 |
| 40 | TM | Benzene | 1.409 | 1.285 | 8.8 | 90 | 0.00 |
| 41 | T | Methacrylonitrile | 0.211 | 0.194 | 8.1 | 86 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.520 | 0.519 | 0.2 | 94 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.661 | 0.599 | 9.4 | 86 | 0.00 |
| 44 | TM | Trichloroethene | 0.372 | 0.348 | 6.5 | 91 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.335 | 0.311 | 7.2# | 88 | 0.00 |
| 46 | T | Dibromomethane | 0.261 | 0.246 | 5.7 | 90 | 0.00 |
| 47 | T | Bromodichloromethane | 0.563 | 0.545 | 3.2 | 92 | 0.00 |
| 48 | T | Methyl methacrylate | 0.333 | 0.308 | 7.5 | 87 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 0.004 | 0.0 | 81 | 0.00 |
| 50 | S | Toluene-d8 | 1.196 | 1.238 | -3.5 | 95 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.381 | 0.346 | 9.2 | 83 | 0.00 |
| 52 | CM | Toluene | 0.895 | 0.860 | 3.9# | 91 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.543 | 0.540 | 0.6 | 90 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.586 | 0.561 | 4.3 | 89 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.333 | 0.324 | 2.7 | 92 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.487 | 0.477 | 2.1 | 88 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.568 | 0.560 | 1.4 | 93 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.232 | 0.252 | -8.6 | 88 | 0.00 |
| 59 | T | 2-Hexanone | 0.266 | 0.244 | 8.3 | 83 | 0.00 |
| 60 | T | Dibromochloromethane | 0.447 | 0.441 | 1.3 | 94 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.355 | 0.344 | 3.1 | 91 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.455 | 0.547 | -20.2 | 112 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 64 | T | Tetrachloroethene | 0.373 | 0.316 | 15.3 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 1.125 | 1.027 | 8.7 | 95 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.413 | 0.378 | 8.5 | 93 | 0.00 |
| 67 | C | Ethyl Benzene | 1.915 | 1.736 | 9.3# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 0.712 | 0.662 | 7.0 | 93 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.645 | 6.1 | 94 | 0.00 |
| 70 | T | Styrene | 1.170 | 1.126 | 3.8 | 95 | 0.00 |
| 71 | P | Bromoform | 0.330 | 0.304 | 7.9 | 95 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 73 | T | Isopropylbenzene | 3.652 | 3.018 | 17.4 | 98 | 0.00 |
| 74 | T | N-amyl acetate | 1.295 | 1.043 | 19.5 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.997 | 0.843 | 15.4 | 99 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.811 | 0.771 | 4.9 | 117 | 0.00 |
| 77 | T | Bromobenzene | 0.916 | 0.781 | 14.7 | 101 | 0.00 |
| 78 | T | n-propylbenzene | 4.228 | 3.547 | 16.1 | 98 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.564 | 2.138 | 16.6 | 99 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.022 | 2.561 | 15.3 | 100 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.333 | 0.268 | 19.5 | 94 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.043 | 2.572 | 15.5 | 99 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.105 | 2.615 | 15.8 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.016 | 2.568 | 14.9 | 100 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.736 | 3.053 | 18.3 | 98 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.229 | 2.643 | 18.1 | 98 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.726 | 1.412 | 18.2 | 101 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.788 | 1.440 | 19.5 | 102 | 0.00 |
| 89 | T | n-Butylbenzene | 2.939 | 2.298 | 21.8 | 97 | 0.00 |
| 90 | T | Hexachloroethane | 0.638 | 0.487 | 23.7 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.621 | 1.364 | 15.9 | 102 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.202 | 0.166 | 17.8 | 95 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.096 | 0.844 | 23.0 | 98 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.507 | 0.317 | 37.5# | 94 | 0.00 |
| 95 | T | Naphthalene | 2.904 | 2.429 | 16.4 | 97 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 1.006 | 0.810 | 19.5 | 99 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 89 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.636 | 8.7 | 86 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 41.125 | 17.8 | 78 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 41.217 | 17.6# | 78 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 42.818 | 14.4 | 81 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 44.175 | 11.7 | 83 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 46.992 | 6.0 | 88 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 45.877 | 8.2 | 87 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 44.374 | 11.3 | 85 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 51.416 | -2.8 | 93 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 204.253 | 18.3 | 81 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 46.632 | 6.7# | 89 | 0.00 |
| 13 | T | Acrolein | 250.000 | 269.101 | -7.6 | 104 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 44.749 | 10.5 | 86 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 230.910 | 7.6 | 86 | 0.00 |
| 16 | T | Acetone | 250.000 | 191.905 | 23.2 | 81 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 41.561 | 16.9 | 84 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 44.941 | 10.1 | 86 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 48.837 | 2.3 | 91 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 48.124 | 3.8 | 91 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 46.571 | 6.9 | 89 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 47.827 | 4.3 | 89 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 242.501 | 3.0 | 88 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 46.973 | 6.1 | 89 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 215.374 | 13.9 | 83 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 44.766 | 10.5 | 86 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 48.458 | 3.1 | 92 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.680 | 4.6 | 83 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 218.490 | 12.6 | 83 | 0.00 |
| 30 | C | Chloroform | 50.000 | 49.137 | 1.7# | 93 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 44.238 | 11.5 | 83 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.747 | 2.5 | 92 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 56.153 | -12.3 | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.800 | -5.6 | 99 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 45.371 | 9.3 | 92 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 42.851 | 14.3 | 85 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 45.671 | 8.7 | 90 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 42.670 | 14.7 | 82 | 0.00 |
| 40 | TM | Benzene | 50.000 | 45.621 | 8.8 | 90 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 45.945 | 8.1 | 86 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 49.906 | 0.2 | 94 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 45.374 | 9.3 | 86 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 46.735 | 6.5 | 91 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 46.474 | 7.1# | 88 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.155 | 5.7 | 90 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.404 | 3.2 | 92 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 46.243 | 7.5 | 87 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 901.119 | 9.9 | 81 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.716 | -3.4 | 95 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 227.242 | 9.1 | 83 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.031 | 3.9# | 91 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.703 | 0.6 | 90 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 47.929 | 4.1 | 89 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 48.711 | 2.6 | 92 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 49.025 | 2.0 | 88 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 49.295 | 1.4 | 93 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 240.651 | 3.7 | 88 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 229.287 | 8.3 | 83 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.293 | 1.4 | 94 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 48.532 | 2.9 | 91 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 60.121 | -20.2 | 112 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 42.374 | 15.3 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 45.637 | 8.7 | 95 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 45.726 | 8.5 | 93 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 45.338 | 9.3# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 93.046 | 7.0 | 93 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 46.976 | 6.0 | 94 | 0.00 |
| 70 | T | Styrene | 50.000 | 48.144 | 3.7 | 95 | 0.00 |
| 71 | P | Bromoform | 50.000 | 46.009 | 8.0 | 95 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 111 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 41.323 | 17.4 | 98 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 40.243 | 19.5 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 42.247 | 15.5 | 99 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 47.529 | 4.9 | 117 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 42.643 | 14.7 | 101 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 41.944 | 16.1 | 98 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 41.700 | 16.6 | 99 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 42.365 | 15.3 | 100 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 40.195 | 19.6 | 94 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 42.258 | 15.5 | 99 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 42.107 | 15.8 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 42.577 | 14.8 | 100 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 40.863 | 18.3 | 98 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 40.931 | 18.1 | 98 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 40.908 | 18.2 | 101 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 40.270 | 19.5 | 102 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 39.088 | 21.8 | 97 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 38.153 | 23.7 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 42.066 | 15.9 | 102 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 40.930 | 18.1 | 95 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 38.490 | 23.0 | 98 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 38.565 | 22.9 | 94 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 41.822 | 16.4 | 97 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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 | 40.246 | 19.5 | 99 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

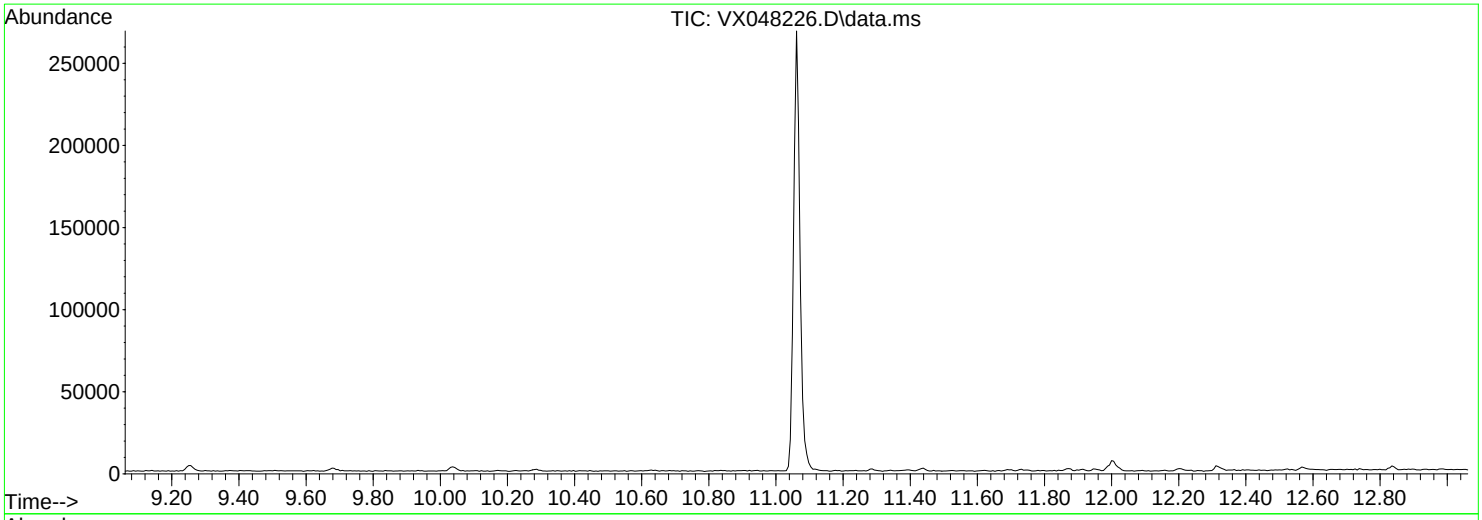
# QC SAMPLE DATA

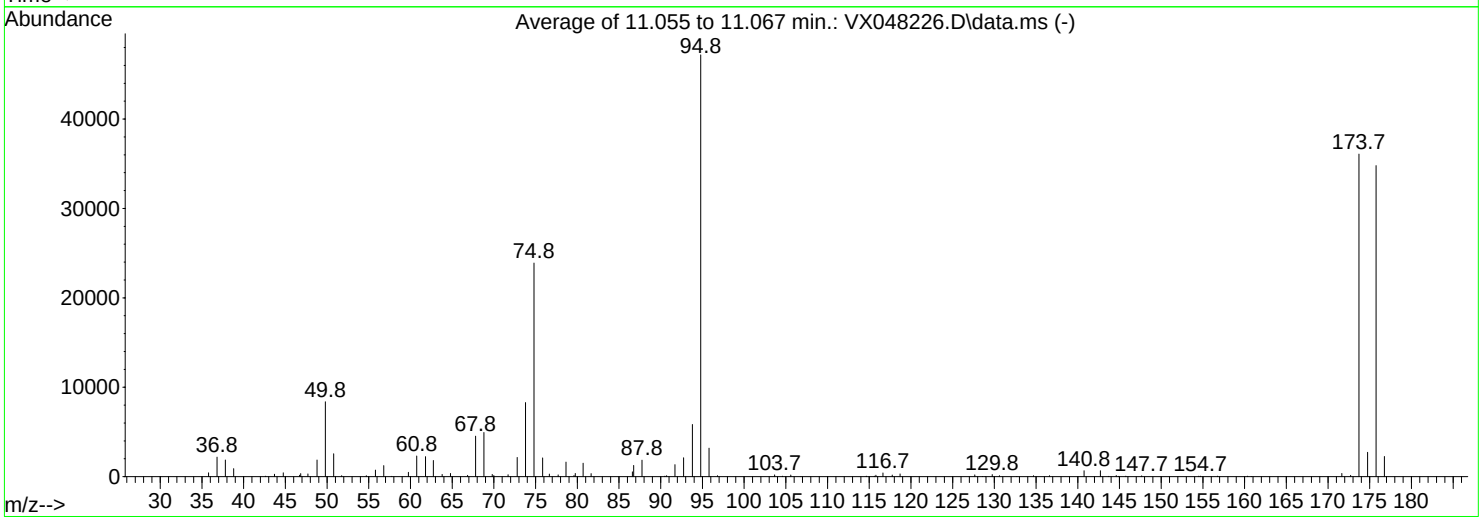
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048226.D
Acq On : 20 Oct 2025 08:15
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Title : SW846 8260
Last Update : Mon Oct 20 14:13:59 2025




AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

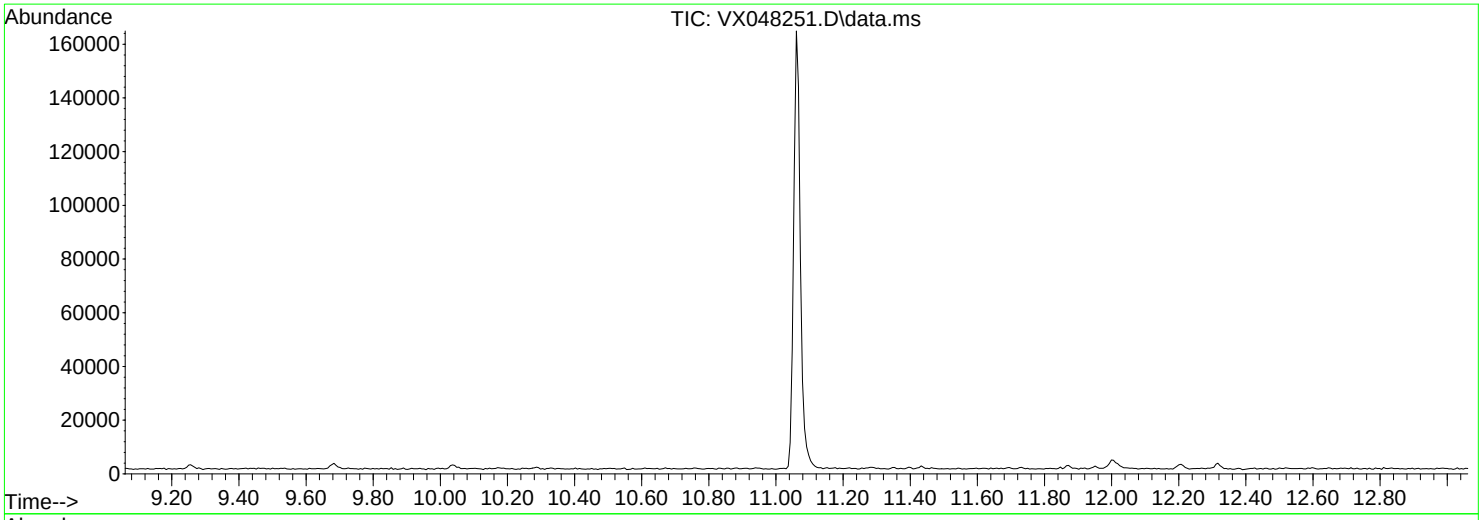
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 17.7 | 8374 | PASS |
| 75 | 95 | 30 | 60 | 50.7 | 23901 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 47184 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 3185 | PASS |
| 173 | 174 | 0.00 | 2 | 0.4 | 138 | PASS |
| 174 | 95 | 50 | 100 | 76.5 | 36091 | PASS |
| 175 | 174 | 5 | 9 | 7.5 | 2719 | PASS |
| 176 | 174 | 95 | 101 | 96.4 | 34800 | PASS |
| 177 | 176 | 5 | 9 | 6.5 | 2253 | PASS |

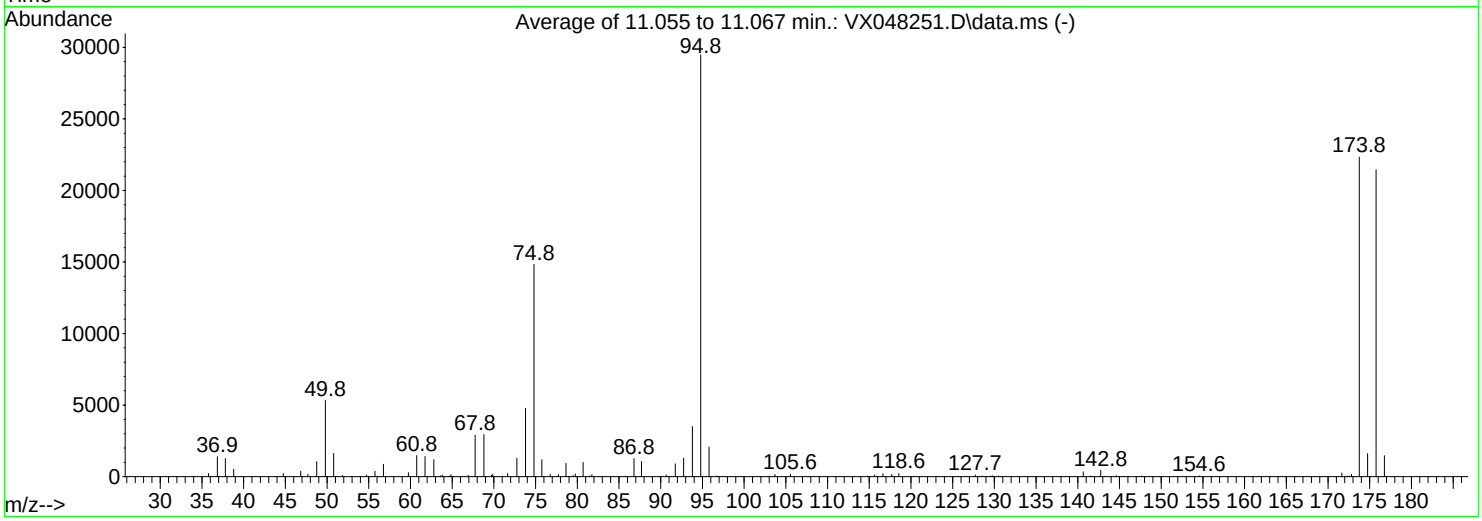
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048251.D
Acq On : 21 Oct 2025 08:12
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Title : SW846 8260
Last Update : Mon Oct 20 14:13:59 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 | 18.0 | 5318 | PASS |
| 75 | 95 | 30 | 60 | 50.3 | 14833 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 29475 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 2071 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 166 | PASS |
| 174 | 95 | 50 | 100 | 75.8 | 22330 | PASS |
| 175 | 174 | 5 | 9 | 7.2 | 1615 | PASS |
| 176 | 174 | 95 | 101 | 96.1 | 21451 | PASS |
| 177 | 176 | 5 | 9 | 6.8 | 1462 | PASS |

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: | VX1020WBL01 | SDG No.: | Q3371 |
| Lab Sample ID: | VX1020WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 74-87-3 | Chloromethane | 0.50 | U | 1 | 0.32 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 1 | 0.26 | 0.75 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 74-83-9 | Bromomethane | 3.80 | U | 1 | 1.40 | 3.80 | 5.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 75-00-3 | Chloroethane | 0.75 | U | 1 | 0.47 | 0.75 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 1 | 0.33 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 1 | 0.23 | 0.75 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 67-64-1 | Acetone | 3.80 | U | 1 | 1.50 | 3.80 | 5.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 1 | 0.21 | 0.75 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 79-20-9 | Methyl Acetate | 0.75 | U | 1 | 0.27 | 0.75 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 75-09-2 | Methylene Chloride | 0.50 | U | 1 | 0.28 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 110-82-7 | Cyclohexane | 2.50 | U | 1 | 1.50 | 2.50 | 5.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 78-93-3 | 2-Butanone | 2.50 | U | 1 | 0.98 | 2.50 | 5.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 1 | 0.19 | 0.75 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 74-97-5 | Bromochloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 67-66-3 | Chloroform | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 71-43-2 | Benzene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 79-01-6 | Trichloroethene | 0.75 | U | 1 | 0.090 | 0.75 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 1 | 0.68 | 2.50 | 5.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 108-88-3 | Toluene | 0.50 | U | 1 | 0.14 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 1 | 0.17 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 1 | 0.21 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1 | 0.89 | 2.50 | 5.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 1 | 0.18 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 108-90-7 | Chlorobenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 1 | 0.13 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 1 | 0.24 | 1.00 | 2.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 95-47-6 | o-Xylene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 100-42-5 | Styrene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 75-25-2 | Bromoform | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |

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: | VX1020WBL01 | SDG No.: | Q3371 |
| Lab Sample ID: | VX1020WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 1 | 0.26 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 1 | 0.53 | 0.75 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 1 | 0.20 | 0.75 | 1.00 | ug/L | 10/20/25 15:23 | VX102025 |
| **SURROGATES** | | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 56.9 | | | 81 - 118 | | 114% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 53.0 | | | 80 - 119 | | 106% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 51.2 | | | 89 - 112 | | 102% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 52.1 | | | 85 - 114 | | 104% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 128000 | | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 221000 | | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 204000 | | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 107000 | | | | | | | | |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048239.D
Acq On : 20 Oct 2025 15:23
Operator : JC/MD
Sample : VX1020WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBL01

Quant Time: Oct 20 15:45:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

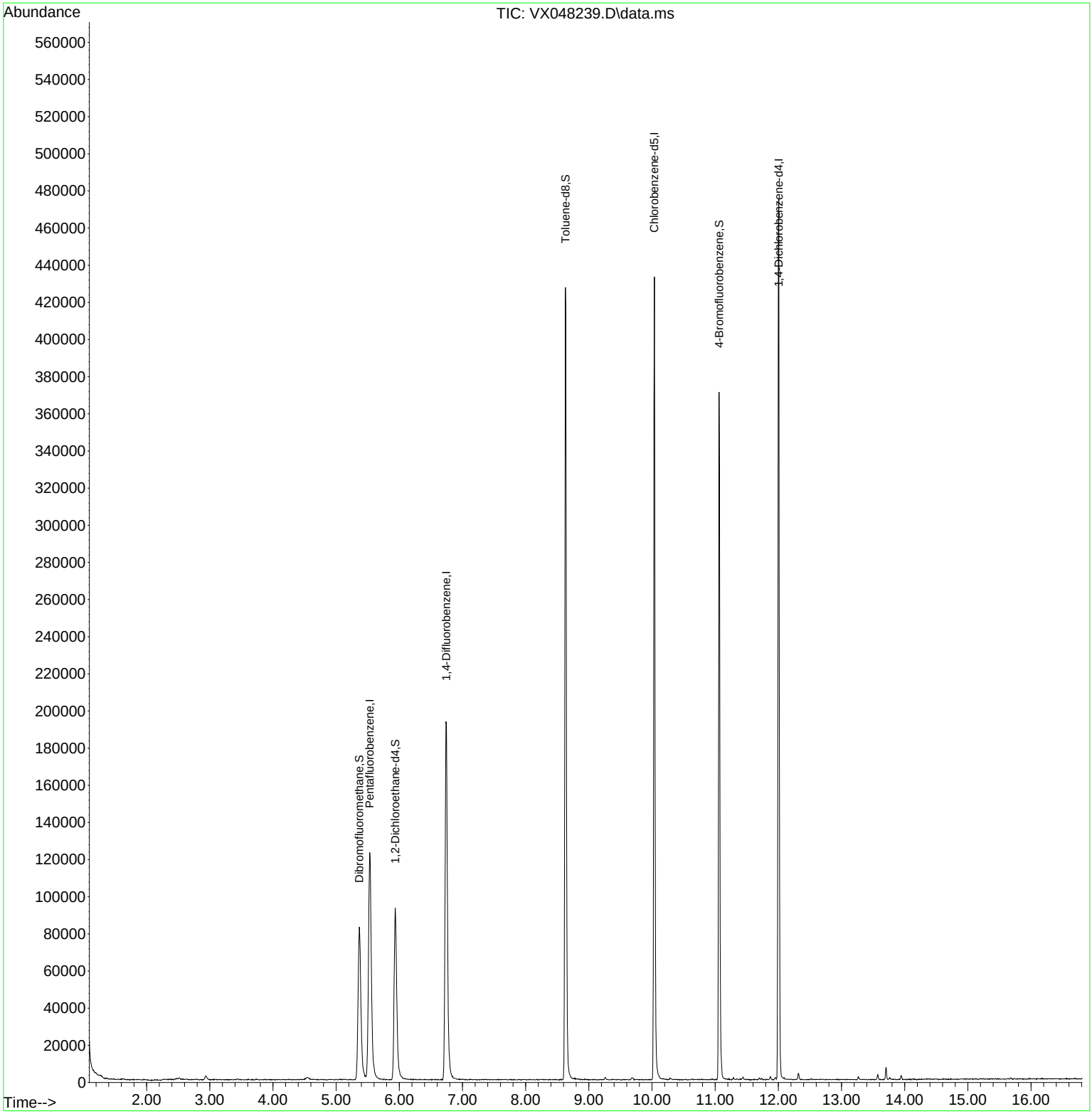
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.532 | 168 | 127705 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 221220 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 203730 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 106522 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 101917 | 56.921 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 113.840% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 80059 | 53.010 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 106.020% | | | |
| 50) Toluene-d8 | 8.629 | 98 | 271212 | 51.234 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 102.460% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 104865 | 52.072 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 104.140% | | | |
| Target Compounds | | | | | | Qvalue |

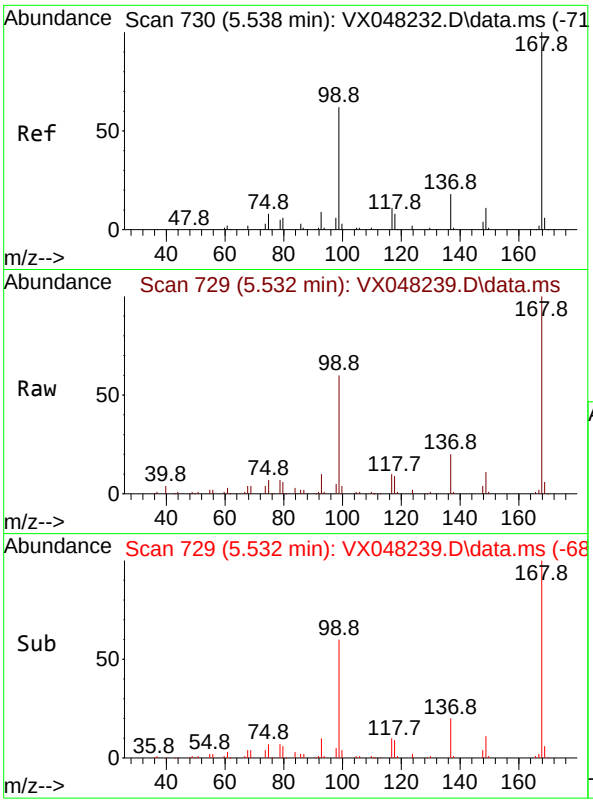
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048239.D
Acq On : 20 Oct 2025 15:23
Operator : JC/MD
Sample : VX1020WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBL01

Quant Time: Oct 20 15:45:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



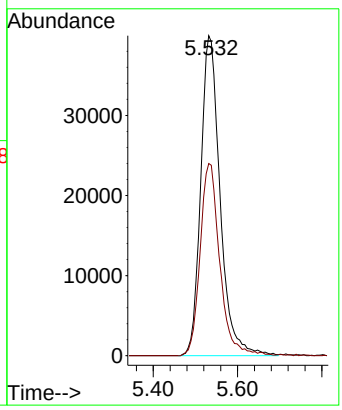


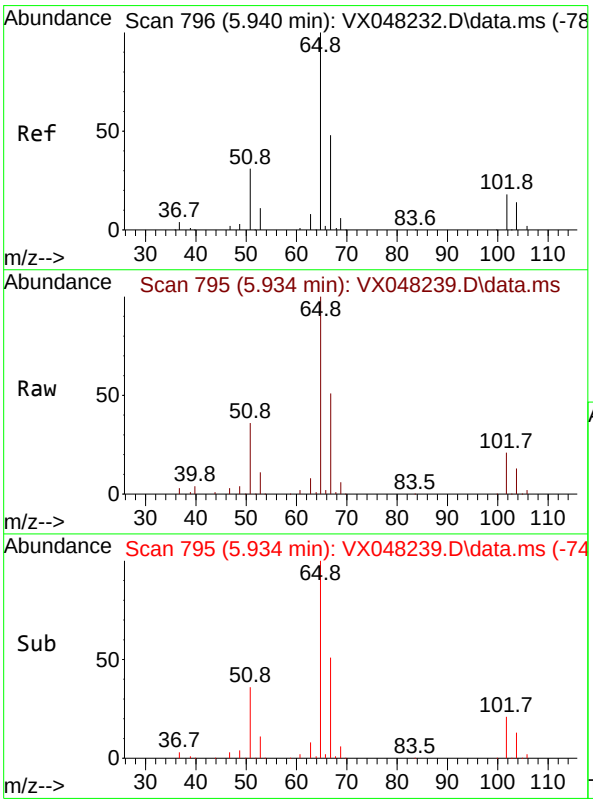

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBL01

Tgt Ion:168 Resp: 127705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.0 | 46.4 | 69.6 |

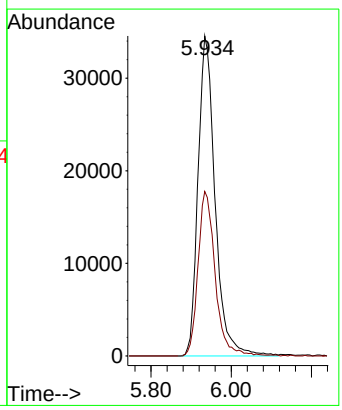


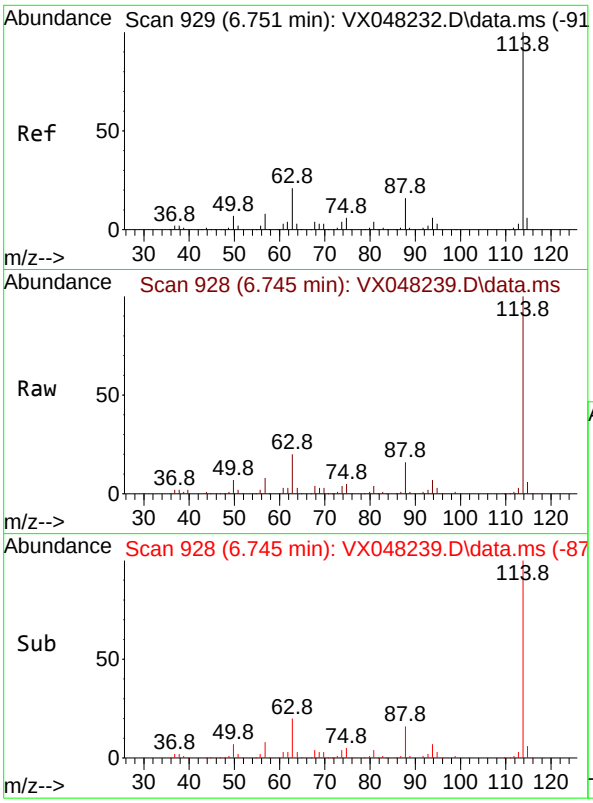




#33
1,2-Dichloroethane-d4
Concen: 56.921 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Tgt Ion: 65 Resp: 101917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 105.0 |



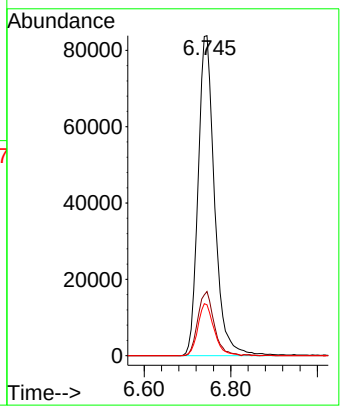


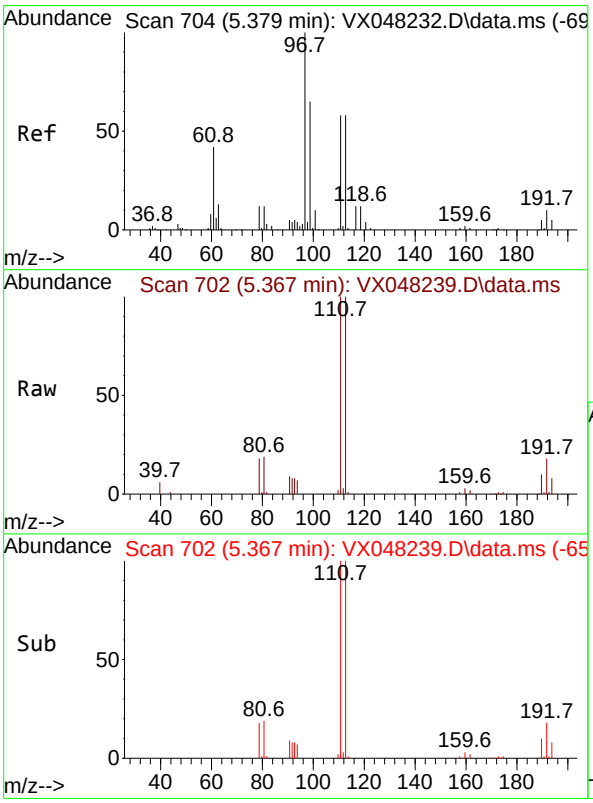

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBL01

Tgt Ion:114 Resp: 221220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.0 | 0.0 | 43.2 |
| 88 | 15.9 | 0.0 | 33.6 |

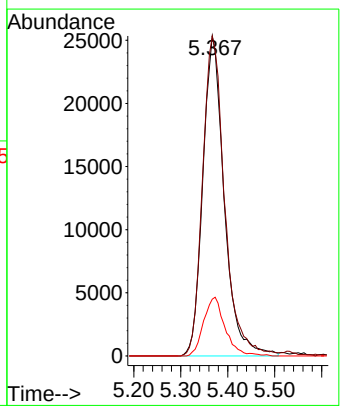


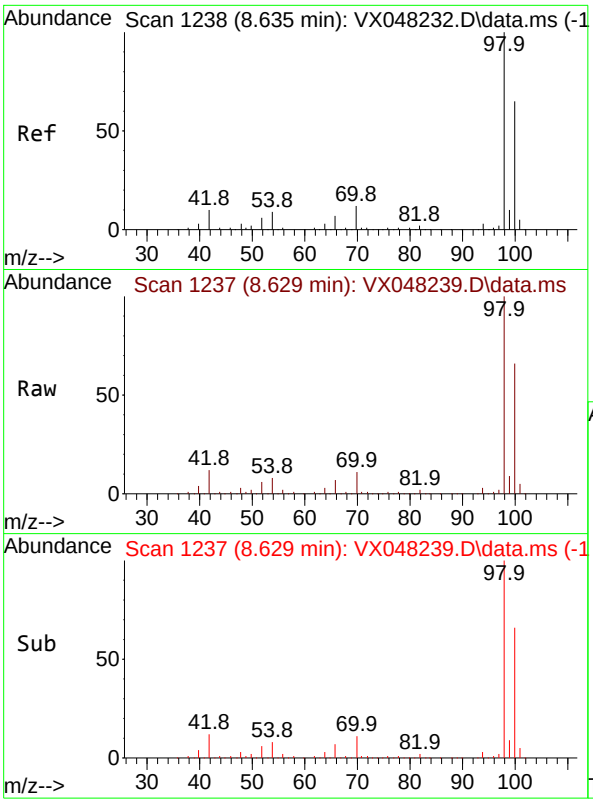




#35
Dibromofluoromethane
Concen: 53.010 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Tgt Ion:113 Resp: 80059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 82.2 | 123.4 |
| 192 | 18.5 | 15.1 | 22.7 |



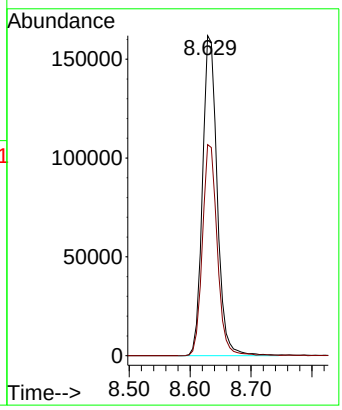


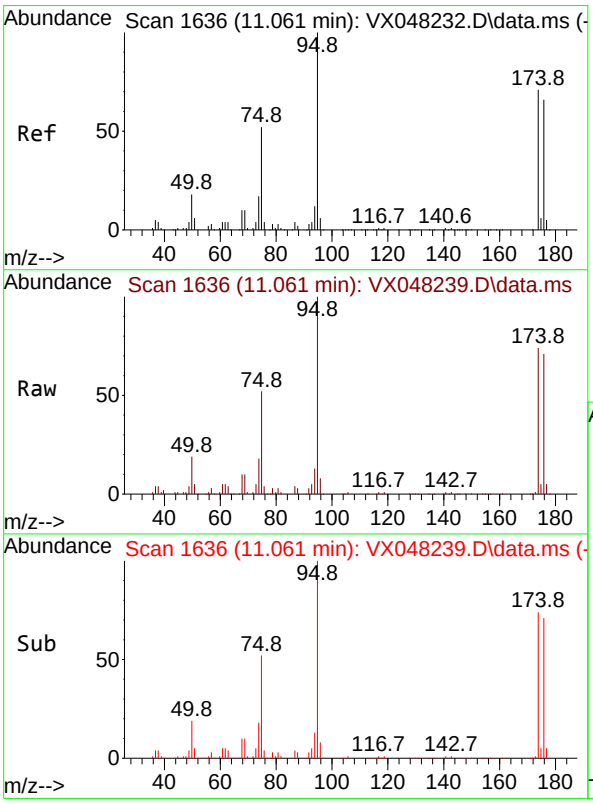

#50
Toluene-d8
Concen: 51.234 ug/l
RT: 8.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBL01

Tgt Ion: 98 Resp: 271212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.6 | 53.0 | 79.4 |

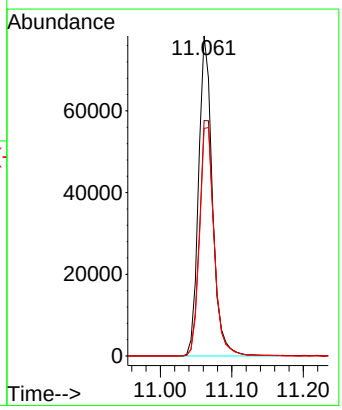


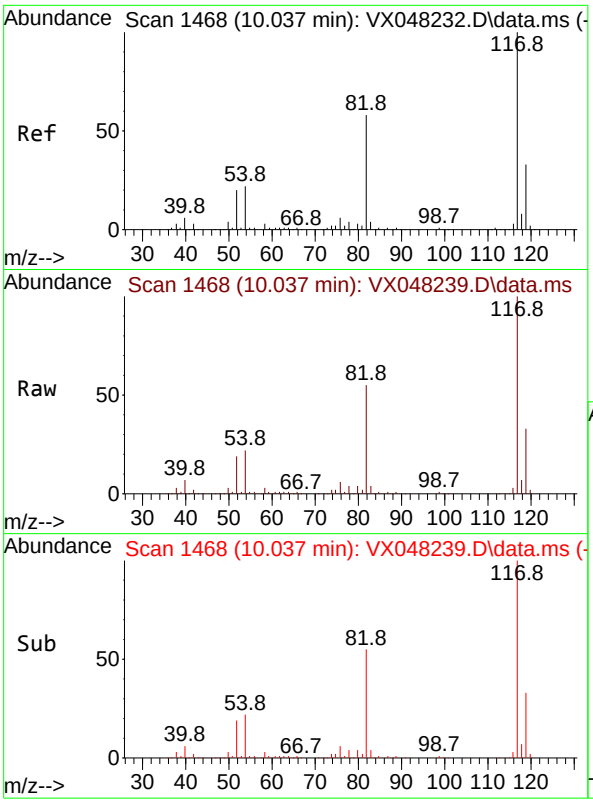




#62
4-Bromofluorobenzene
Concen: 52.072 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Tgt Ion: 95 Resp: 104865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.0 | 0.0 | 147.8 |
| 176 | 75.6 | 0.0 | 142.8 |



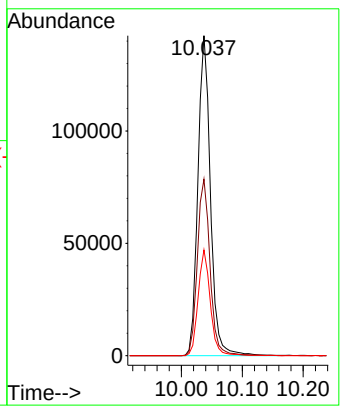


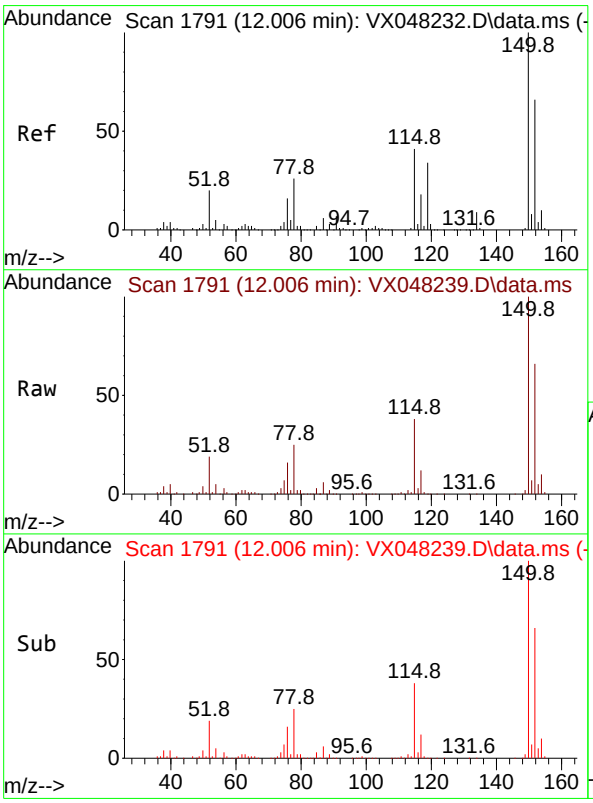

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBL01

Tgt Ion:117 Resp: 203730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.1 | 46.5 | 69.7 |
| 119 | 33.0 | 25.9 | 38.9 |

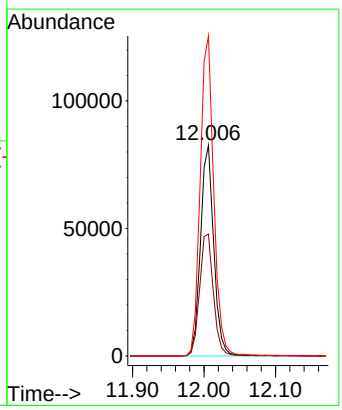



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Tgt Ion:152 Resp: 106522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.0 | 43.1 | 129.4 |
| 150 | 154.7 | 0.0 | 353.0 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048239.D
Acq On : 20 Oct 2025 15:23
Operator : JC/MD
Sample : VX1020WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBL01

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\82X102025W.M
Title : SW846 8260

Signal : TIC: VX048239.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 | 691 | 702 | 719 | rBV | 82300 | 259917 | 36.30% | 6.659% |
| 2 | 5.532 | 719 | 729 | 755 | rVB | 122205 | 384446 | 53.70% | 9.850% |
| 3 | 5.934 | 785 | 795 | 815 | rBV | 92633 | 269396 | 37.63% | 6.902% |
| 4 | 6.739 | 918 | 927 | 946 | rBV | 193003 | 509752 | 71.20% | 13.061% |
| 5 | 8.629 | 1231 | 1237 | 1255 | rBV | 426466 | 715956 | 100.00% | 18.344% |
| 6 | 10.037 | 1462 | 1468 | 1488 | rBV | 432226 | 621182 | 86.76% | 15.916% |
| 7 | 11.061 | 1631 | 1636 | 1652 | rBV | 370134 | 499549 | 69.77% | 12.799% |
| 8 | 12.006 | 1785 | 1791 | 1804 | rBV | 473949 | 635254 | 88.73% | 16.276% |
| 9 | 13.701 | 2066 | 2069 | 2073 | rBV3 | 6306 | 7548 | 1.05% | 0.193% |

Sum of corrected areas: 3903000

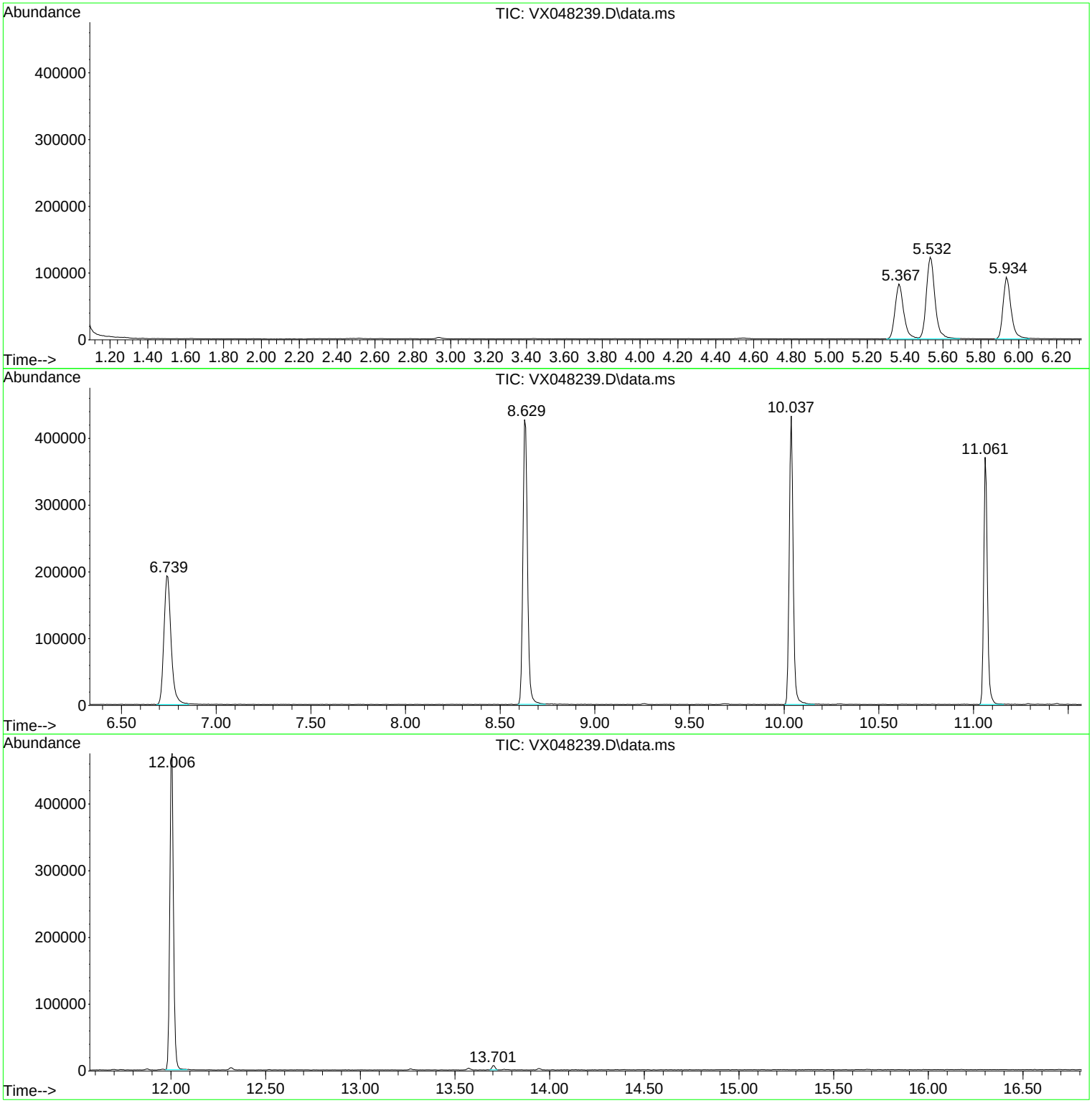
Sample Results: **VX048239.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048239.D
Acq On : 20 Oct 2025 15:23
Operator : JC/MD
Sample : VX1020WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048239.D
Acq On : 20 Oct 2025 15:23
Operator : JC/MD
Sample : VX1020WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

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

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048239.D
Acq On : 20 Oct 2025 15:23
Operator : JC/MD
Sample : VX1020WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.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: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX1021WBL01 | SDG No.: | Q3371 |
| Lab Sample ID: | VX1021WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 74-87-3 | Chloromethane | 0.50 | U | 1 | 0.32 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 1 | 0.26 | 0.75 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 74-83-9 | Bromomethane | 3.80 | U | 1 | 1.40 | 3.80 | 5.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 75-00-3 | Chloroethane | 0.75 | U | 1 | 0.47 | 0.75 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 1 | 0.33 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 1 | 0.23 | 0.75 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 67-64-1 | Acetone | 3.80 | U | 1 | 1.50 | 3.80 | 5.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 1 | 0.21 | 0.75 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 79-20-9 | Methyl Acetate | 0.75 | U | 1 | 0.27 | 0.75 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 75-09-2 | Methylene Chloride | 0.50 | U | 1 | 0.28 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 110-82-7 | Cyclohexane | 2.50 | U | 1 | 1.50 | 2.50 | 5.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 78-93-3 | 2-Butanone | 2.50 | U | 1 | 0.98 | 2.50 | 5.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 1 | 0.19 | 0.75 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 74-97-5 | Bromochloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 67-66-3 | Chloroform | 0.50 | U | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 71-43-2 | Benzene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 79-01-6 | Trichloroethene | 0.75 | U | 1 | 0.090 | 0.75 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 1 | 0.68 | 2.50 | 5.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 108-88-3 | Toluene | 0.50 | U | 1 | 0.14 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 1 | 0.17 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 1 | 0.21 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1 | 0.89 | 2.50 | 5.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 1 | 0.18 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 108-90-7 | Chlorobenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 1 | 0.13 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 1 | 0.24 | 1.00 | 2.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 95-47-6 | o-Xylene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 100-42-5 | Styrene | 0.50 | U | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 75-25-2 | Bromoform | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |

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: | VX1021WBL01 | SDG No.: | Q3371 |
| Lab Sample ID: | VX1021WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.50 | U | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 1 | 0.26 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 1 | 0.53 | 0.75 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 1 | 0.20 | 0.75 | 1.00 | ug/L | 10/21/25 09:40 | VX102125 |
| **SURROGATES** | | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 52.5 | | | 81 - 118 | | 105% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 47.1 | | | 80 - 119 | | 94% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 46.4 | | | 89 - 112 | | 93% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 52.7 | | | 85 - 114 | | 105% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 122000 | | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 241000 | | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 248000 | | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 127000 | | | | | | | | |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048254.D
Acq On : 21 Oct 2025 09:40
Operator : JC/MD
Sample : VX1021WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBL01

Quant Time: Oct 24 04:22:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.532 | 168 | 121915 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 240535 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 247603 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 126551 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 89687 | 52.469 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 104.940% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 77294 | 47.070 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.140% | | | |
| 50) Toluene-d8 | 8.629 | 98 | 267020 | 46.391 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 92.780% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 115293 | 52.653 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 105.300% | | | |

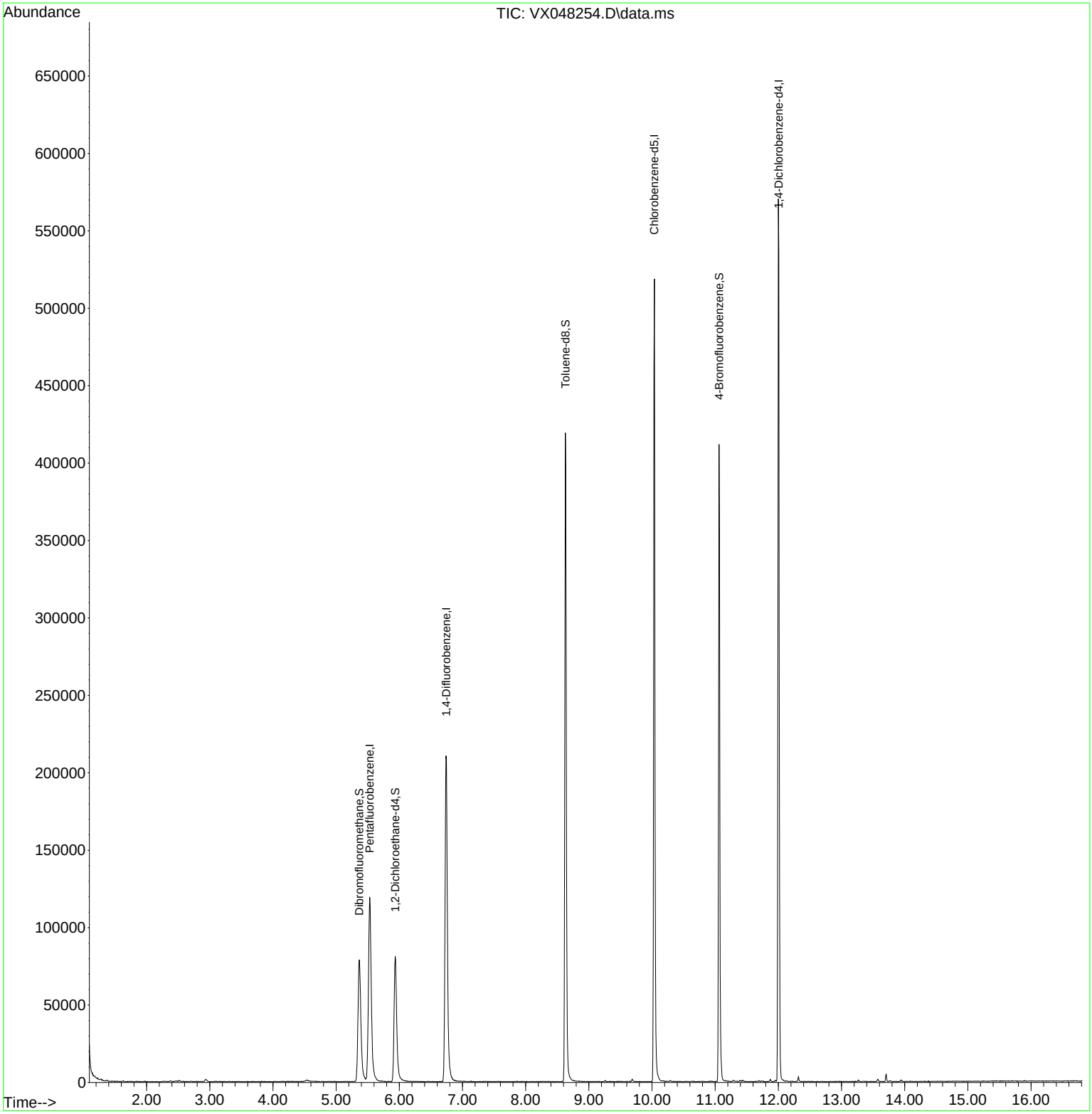
Target Compounds Qvalue

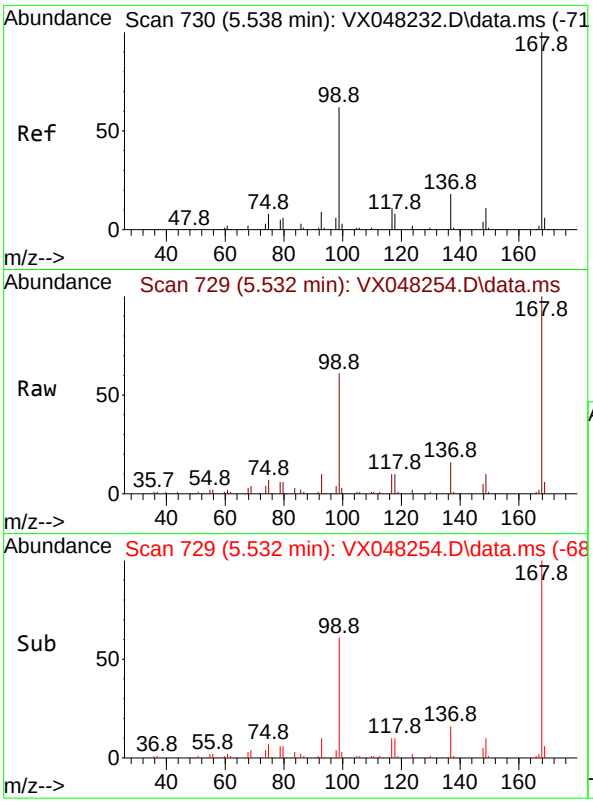
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048254.D
Acq On : 21 Oct 2025 09:40
Operator : JC/MD
Sample : VX1021WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBL01

Quant Time: Oct 24 04:22:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



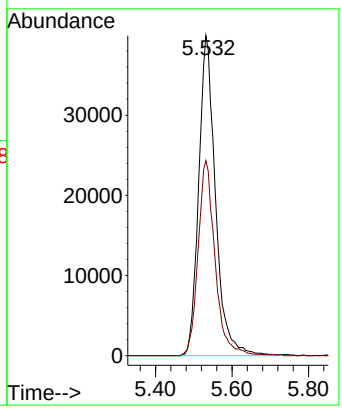


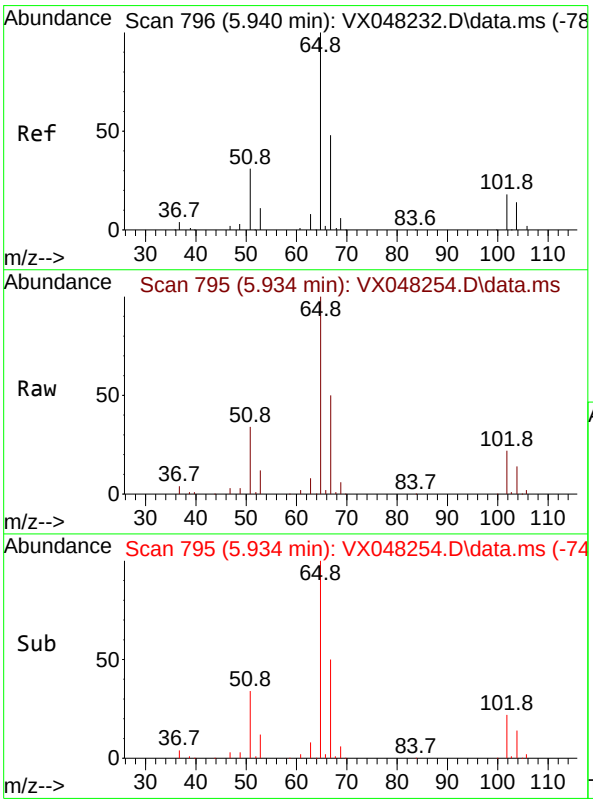

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBL01

Tgt Ion:168 Resp: 121915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.9 | 46.4 | 69.6 |

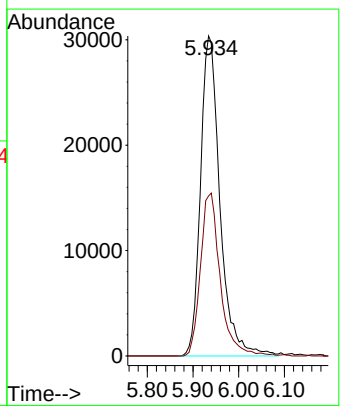


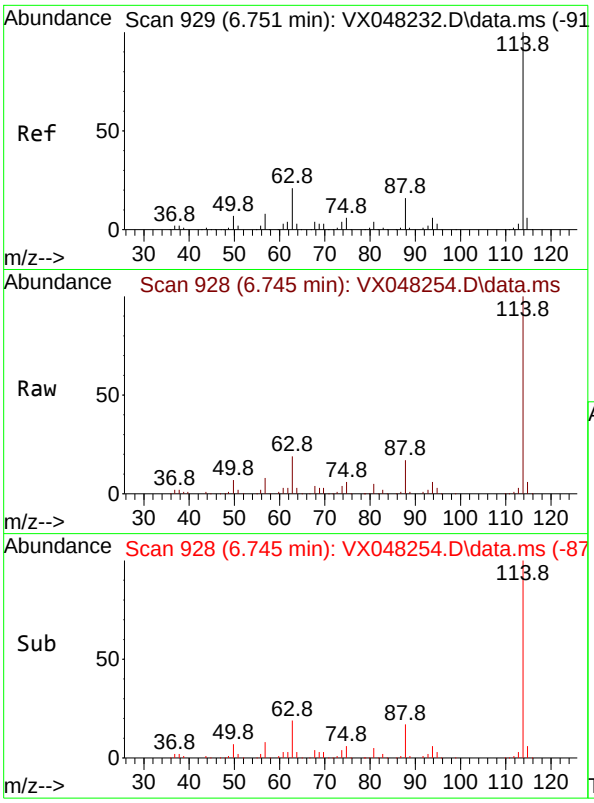




#33
1,2-Dichloroethane-d4
Concen: 52.469 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion: 65 Resp: 89687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 105.0 |



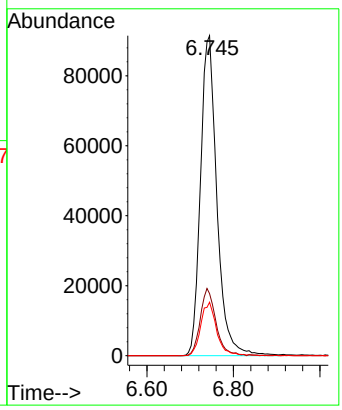


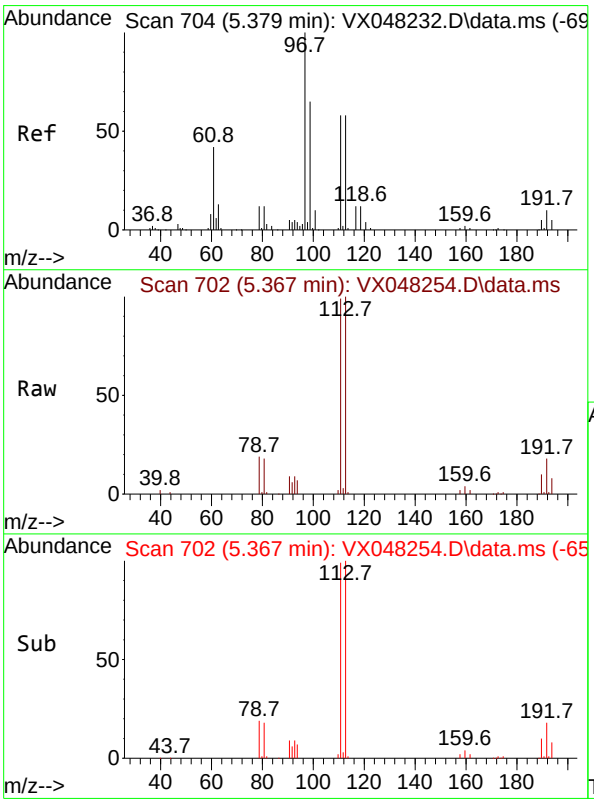

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBL01

Tgt Ion:114 Resp: 240535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.4 | 0.0 | 43.2 |
| 88 | 16.7 | 0.0 | 33.6 |

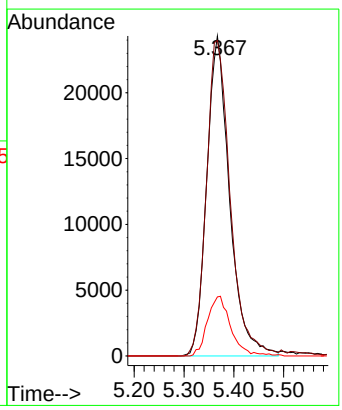


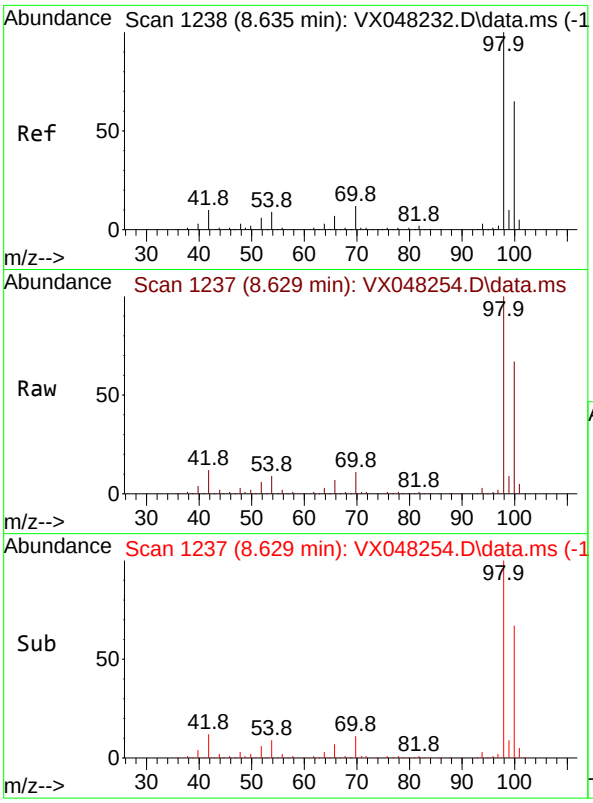




#35
Dibromofluoromethane
Concen: 47.070 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion:113 Resp: 77294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.8 | 82.2 | 123.4 |
| 192 | 19.2 | 15.1 | 22.7 |



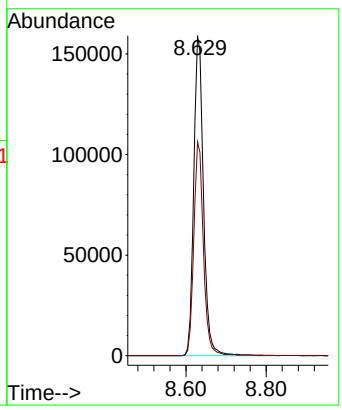


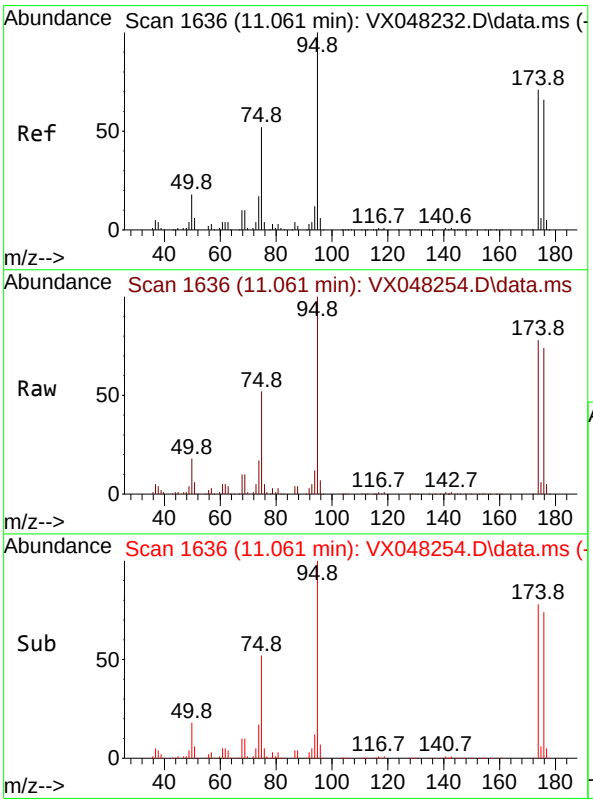

#50
Toluene-d8
Concen: 46.391 ug/l
RT: 8.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBL01

Tgt Ion: 98 Resp: 267020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.0 | 79.4 |

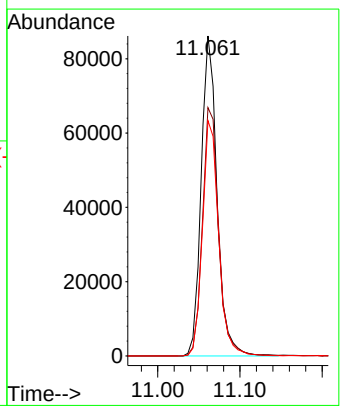


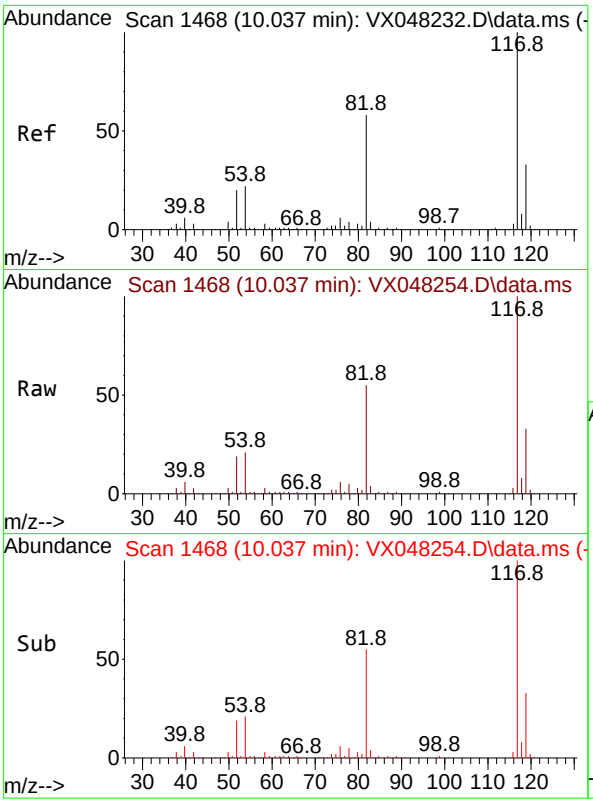




#62
4-Bromofluorobenzene
Concen: 52.653 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion: 95 Resp: 115293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.8 | 0.0 | 147.8 |
| 176 | 75.2 | 0.0 | 142.8 |



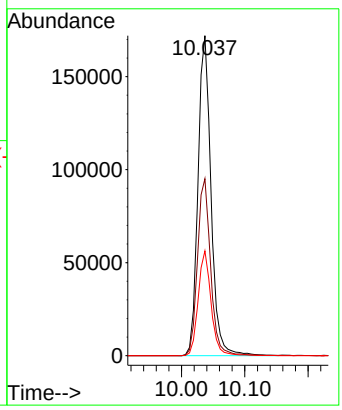


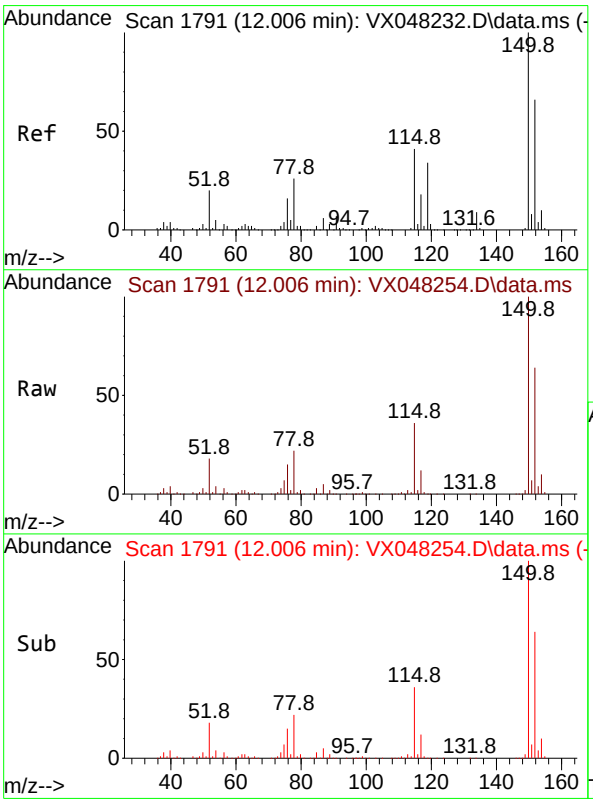

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBL01

Tgt Ion:117 Resp: 247603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.3 | 46.5 | 69.7 |
| 119 | 32.8 | 25.9 | 38.9 |

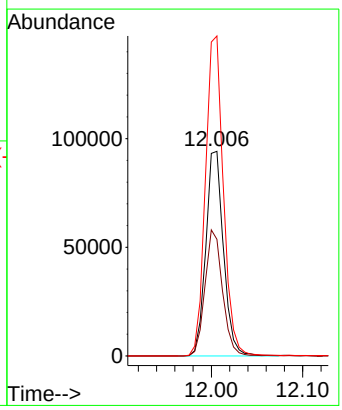



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion:152 Resp: 126551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.1 | 43.1 | 129.4 |
| 150 | 158.4 | 0.0 | 353.0 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048254.D
Acq On : 21 Oct 2025 09:40
Operator : JC/MD
Sample : VX1021WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBL01

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\82X102025W.M
Title : SW846 8260

Signal : TIC: VX048254.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 | 691 | 702 | 718 | rBV2 | 78626 | 252593 | 33.18% | 6.046% |
| 2 | 5.532 | 718 | 729 | 756 | rVB2 | 119045 | 368571 | 48.41% | 8.823% |
| 3 | 5.934 | 785 | 795 | 820 | rBV | 80911 | 237948 | 31.26% | 5.696% |
| 4 | 6.739 | 918 | 927 | 946 | rBV | 210443 | 552273 | 72.54% | 13.220% |
| 5 | 8.629 | 1231 | 1237 | 1257 | rBV | 418894 | 703255 | 92.38% | 16.834% |
| 6 | 10.037 | 1462 | 1468 | 1486 | rBV | 518402 | 749543 | 98.46% | 17.942% |
| 7 | 11.061 | 1631 | 1636 | 1649 | rBV | 411591 | 552091 | 72.52% | 13.216% |
| 8 | 12.000 | 1785 | 1790 | 1808 | rVB | 569974 | 761297 | 100.00% | 18.223% |

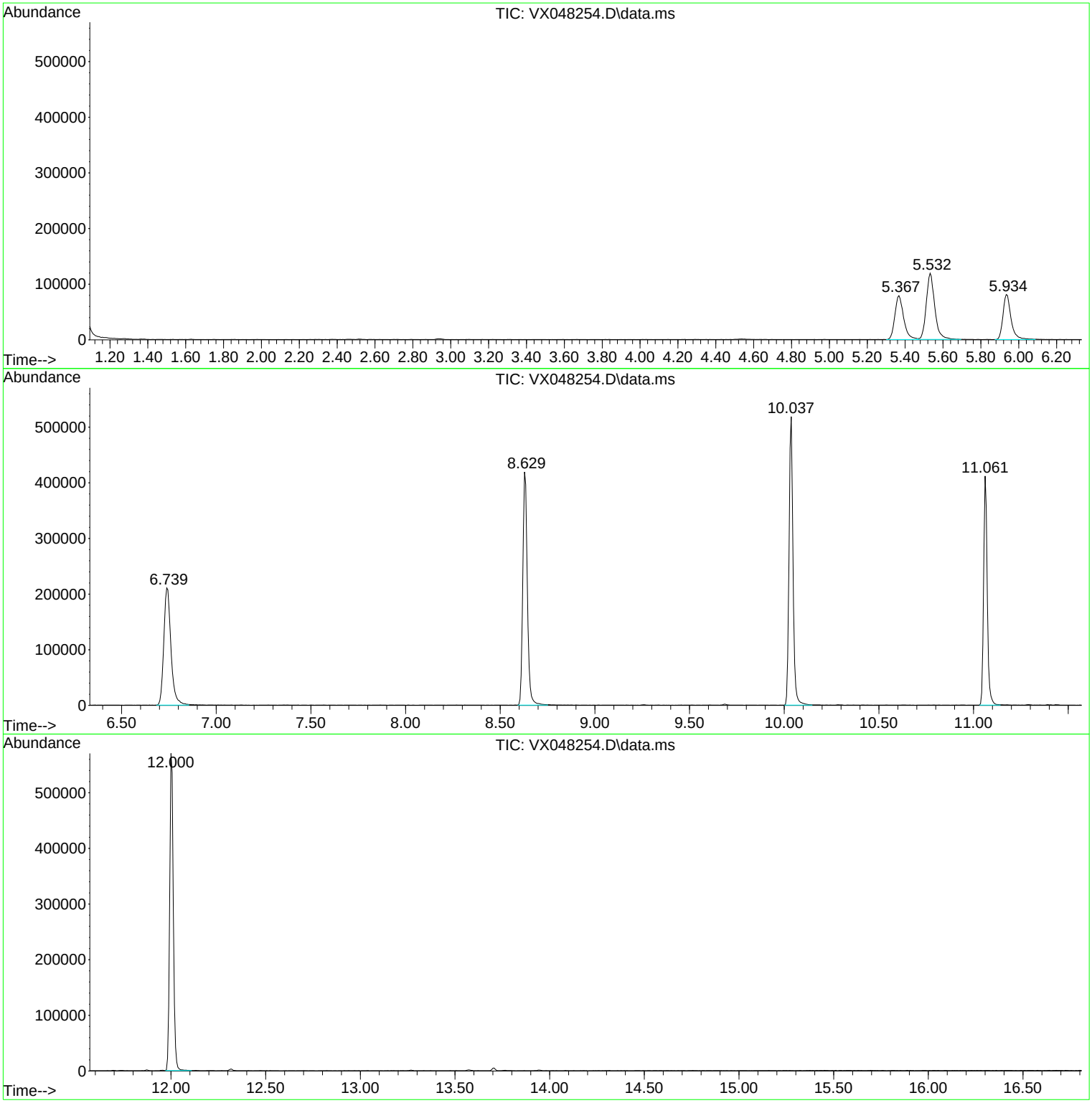
Sum of corrected areas: 4177571

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048254.D
Acq On : 21 Oct 2025 09:40
Operator : JC/MD
Sample : VX1021WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048254.D
Acq On : 21 Oct 2025 09:40
Operator : JC/MD
Sample : VX1021WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

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

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048254.D
Acq On : 21 Oct 2025 09:40
Operator : JC/MD
Sample : VX1021WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.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: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX1020WBS01 | SDG No.: | Q3371 |
| Lab Sample ID: | VX1020WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 17.8 | | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 74-87-3 | Chloromethane | 19.4 | | 1 | 0.32 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 75-01-4 | Vinyl Chloride | 19.2 | | 1 | 0.26 | 0.75 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 74-83-9 | Bromomethane | 21.5 | | 1 | 1.40 | 3.80 | 5.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 75-00-3 | Chloroethane | 21.1 | | 1 | 0.47 | 0.75 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 75-69-4 | Trichlorofluoromethane | 18.7 | | 1 | 0.33 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 18.3 | | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 75-35-4 | 1,1-Dichloroethene | 19.3 | | 1 | 0.23 | 0.75 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 67-64-1 | Acetone | 85.7 | | 1 | 1.50 | 3.80 | 5.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 75-15-0 | Carbon Disulfide | 17.9 | | 1 | 0.21 | 0.75 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 1634-04-4 | Methyl tert-butyl Ether | 18.7 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 79-20-9 | Methyl Acetate | 19.7 | | 1 | 0.27 | 0.75 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 75-09-2 | Methylene Chloride | 19.9 | | 1 | 0.28 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 156-60-5 | trans-1,2-Dichloroethene | 19.5 | | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 75-34-3 | 1,1-Dichloroethane | 18.8 | | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 110-82-7 | Cyclohexane | 18.7 | | 1 | 1.50 | 2.50 | 5.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 78-93-3 | 2-Butanone | 92.0 | | 1 | 0.98 | 2.50 | 5.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 56-23-5 | Carbon Tetrachloride | 17.6 | | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 156-59-2 | cis-1,2-Dichloroethene | 19.1 | | 1 | 0.19 | 0.75 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 74-97-5 | Bromochloromethane | 21.4 | | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 67-66-3 | Chloroform | 19.3 | | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 71-55-6 | 1,1,1-Trichloroethane | 18.8 | | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 108-87-2 | Methylcyclohexane | 17.3 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 71-43-2 | Benzene | 18.8 | | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 107-06-2 | 1,2-Dichloroethane | 18.8 | | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 79-01-6 | Trichloroethene | 19.2 | | 1 | 0.090 | 0.75 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 78-87-5 | 1,2-Dichloropropane | 19.4 | | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 75-27-4 | Bromodichloromethane | 18.9 | | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 108-10-1 | 4-Methyl-2-Pentanone | 94.8 | | 1 | 0.68 | 2.50 | 5.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 108-88-3 | Toluene | 19.3 | | 1 | 0.14 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 10061-02-6 | t-1,3-Dichloropropene | 18.9 | | 1 | 0.17 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.0 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 79-00-5 | 1,1,2-Trichloroethane | 19.5 | | 1 | 0.21 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 591-78-6 | 2-Hexanone | 94.6 | | 1 | 0.89 | 2.50 | 5.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 124-48-1 | Dibromochloromethane | 18.5 | | 1 | 0.18 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 106-93-4 | 1,2-Dibromoethane | 19.1 | | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 127-18-4 | Tetrachloroethene | 17.7 | | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 108-90-7 | Chlorobenzene | 19.0 | | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 100-41-4 | Ethyl Benzene | 18.5 | | 1 | 0.13 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 179601-23-1 | m/p-Xylenes | 38.5 | | 1 | 0.24 | 1.00 | 2.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 95-47-6 | o-Xylene | 18.7 | | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 100-42-5 | Styrene | 19.1 | | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 75-25-2 | Bromoform | 18.6 | | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |

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: | VX1020WBS01 | SDG No.: | Q3371 |
| Lab Sample ID: | VX1020WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 18.3 | | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 19.0 | | 1 | 0.26 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 541-73-1 | 1,3-Dichlorobenzene | 18.0 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 106-46-7 | 1,4-Dichlorobenzene | 17.9 | | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 95-50-1 | 1,2-Dichlorobenzene | 18.3 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 17.6 | | 1 | 0.53 | 0.75 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 16.1 | | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 16.8 | | 1 | 0.20 | 0.75 | 1.00 | ug/L | 10/20/25 15:50 | VX102025 |
| **SURROGATES** | | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 51.7 | | | 81 - 118 | | 103% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 51.2 | | | 80 - 119 | | 102% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 51.9 | | | 89 - 112 | | 104% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 51.1 | | | 85 - 114 | | 102% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 135000 | | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 222000 | | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 201000 | | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 102000 | | | | | | | | |

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\VX102025\
Data File : VX048240.D
Acq On : 20 Oct 2025 15:50
Operator : JC/MD
Sample : VX1020WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 20 16:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 134660 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 221833 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 200515 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 101575 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 97664 | 51.728 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 103.460% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 77595 | 51.237 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.480% | | | |
| 50) Toluene-d8 | 8.628 | 98 | 275727 | 51.943 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 103.880% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 103135 | 51.072 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 102.140% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 24708 | 17.848 | ug/l | 95 |
| 3) Chloromethane | 1.300 | 50 | 25077 | 19.407 | ug/l | 95 |
| 4) Vinyl Chloride | 1.380 | 62 | 22981 | 19.206 | ug/l | 94 |
| 5) Bromomethane | 1.617 | 94 | 17486 | 21.534 | ug/l | 98 |
| 6) Chloroethane | 1.697 | 64 | 14806 | 21.058 | ug/l | 90 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 42803 | 18.652 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 12617 | 19.540 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 26596 | 18.302 | ug/l | 96 |
| 10) Methyl Iodide | 2.453 | 142 | 31308 | 17.138 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.940 | 59 | 17139 | 91.429 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 27320 | 19.324 | ug/l | 91 |
| 13) Acrolein | 2.233 | 56 | 21046 | 110.081 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 45510 | 19.389 | ug/l | 97 |
| 15) Acrylonitrile | 3.056 | 53 | 63454 | 93.873 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 55537 | 85.745 | ug/l | 99 |
| 17) Carbon Disulfide | 2.514 | 76 | 79653 | 17.877 | ug/l | 99 |
| 18) Methyl Acetate | 2.696 | 43 | 26712 | 19.748 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 90374 | 18.738 | ug/l | 95 |
| 20) Methylene Chloride | 2.788 | 84 | 31460 | 19.934 | ug/l | 91 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 30232 | 19.468 | ug/l | 91 |
| 22) Diisopropyl ether | 3.751 | 45 | 94293 | 20.141 | ug/l | 91 |
| 23) Vinyl Acetate | 3.708 | 43 | 367791 | 98.349 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 53132 | 18.769 | ug/l | 96 |
| 25) 2-Butanone | 4.532 | 43 | 75407 | 91.980 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.458 | 77 | 45475 | 17.798 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 34657 | 19.122 | ug/l | 99 |
| 28) Bromochloromethane | 4.885 | 49 | 25158 | 21.434 | ug/l | 84 |
| 29) Tetrahydrofuran | 4.989 | 42 | 46399 | 94.500 | ug/l | 93 |
| 30) Chloroform | 5.074 | 83 | 58330 | 19.287 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 43852 | 18.711 | ug/l | 86 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 52467 | 18.824 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 39432 | 18.319 | ug/l | 98 |
| 37) Ethyl Acetate | 4.696 | 43 | 32030 | 17.952 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.659 | 117 | 46868 | 17.648 | ug/l | 95 |
| 39) Methylcyclohexane | 7.360 | 83 | 44057 | 17.331 | ug/l | 95 |
| 40) Benzene | 6.019 | 78 | 117785 | 18.847 | ug/l | 96 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048240.D
Acq On : 20 Oct 2025 15:50
Operator : JC/MD
Sample : VX1020WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 20 16:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.903 | 41 | 18270 | 19.499 ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 43384 | 18.813 ug/l | | 99 |
| 43) Isopropyl Acetate | 6.318 | 43 | 55493 | 18.935 ug/l | | 97 |
| 44) Trichloroethene | 7.110 | 130 | 31625 | 19.165 ug/l | | 95 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 28870 | 19.430 ug/l | | 99 |
| 46) Dibromomethane | 7.561 | 93 | 21882 | 18.903 ug/l | | 94 |
| 47) Bromodichloromethane | 7.805 | 83 | 47249 | 18.904 ug/l | | 100 |
| 48) Methyl methacrylate | 7.677 | 41 | 27258 | 18.432 ug/l | | 95 |
| 49) 1,4-Dioxane | 7.641 | 88 | 7038 | 360.230 ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 160265 | 94.846 ug/l | | 97 |
| 52) Toluene | 8.701 | 92 | 76478 | 19.263 ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 45485 | 18.884 ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 49253 | 18.953 ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 28845 | 19.537 ug/l | | 98 |
| 56) Ethyl methacrylate | 9.098 | 69 | 40543 | 18.774 ug/l | | 92 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 48615 | 19.277 ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 100252 | 87.448 ug/l | | 95 |
| 59) 2-Hexanone | 9.415 | 43 | 111445 | 94.586 ug/l | | 97 |
| 60) Dibromochloromethane | 9.500 | 129 | 36715 | 18.502 ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 30136 | 19.146 ug/l | | 97 |
| 64) Tetrachloroethene | 9.256 | 164 | 26462 | 17.678 ug/l | | 96 |
| 65) Chlorobenzene | 10.061 | 112 | 85866 | 19.036 ug/l | | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 31130 | 18.790 ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 141796 | 18.464 ug/l | | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 109872 | 38.506 ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 51473 | 18.685 ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 89782 | 19.141 ug/l | | 100 |
| 71) Bromoform | 10.780 | 173 | 24689 | 18.645 ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 135441 | 18.256 ug/l | | 98 |
| 74) N-amyl acetate | 10.823 | 43 | 47216 | 17.942 ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 38478 | 18.992 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 29974m | 18.197 ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 35128 | 18.883 ug/l | | 92 |
| 78) n-propylbenzene | 11.286 | 91 | 159455 | 18.563 ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 95469 | 18.331 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 114180 | 18.597 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 11508 | 16.997 ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 117079 | 18.938 ug/l | | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 116521 | 18.471 ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 113408 | 18.509 ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 136883 | 18.036 ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 118427 | 18.053 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 63018 | 17.970 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 65076 | 17.912 ug/l | | 98 |
| 89) n-Butylbenzene | 12.311 | 91 | 102164 | 17.110 ug/l | | 100 |
| 90) Hexachloroethane | 12.518 | 117 | 22644 | 17.480 ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 60180 | 18.277 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.926 | 75 | 7243 | 17.612 ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.566 | 180 | 35892 | 16.119 ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 14244 | 17.115 ug/l | | 97 |
| 95) Naphthalene | 13.755 | 128 | 102306 | 17.342 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 34331 | 16.802 ug/l | | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048240.D
Acq On : 20 Oct 2025 15:50
Operator : JC/MD
Sample : VX1020WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 20 16:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

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

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

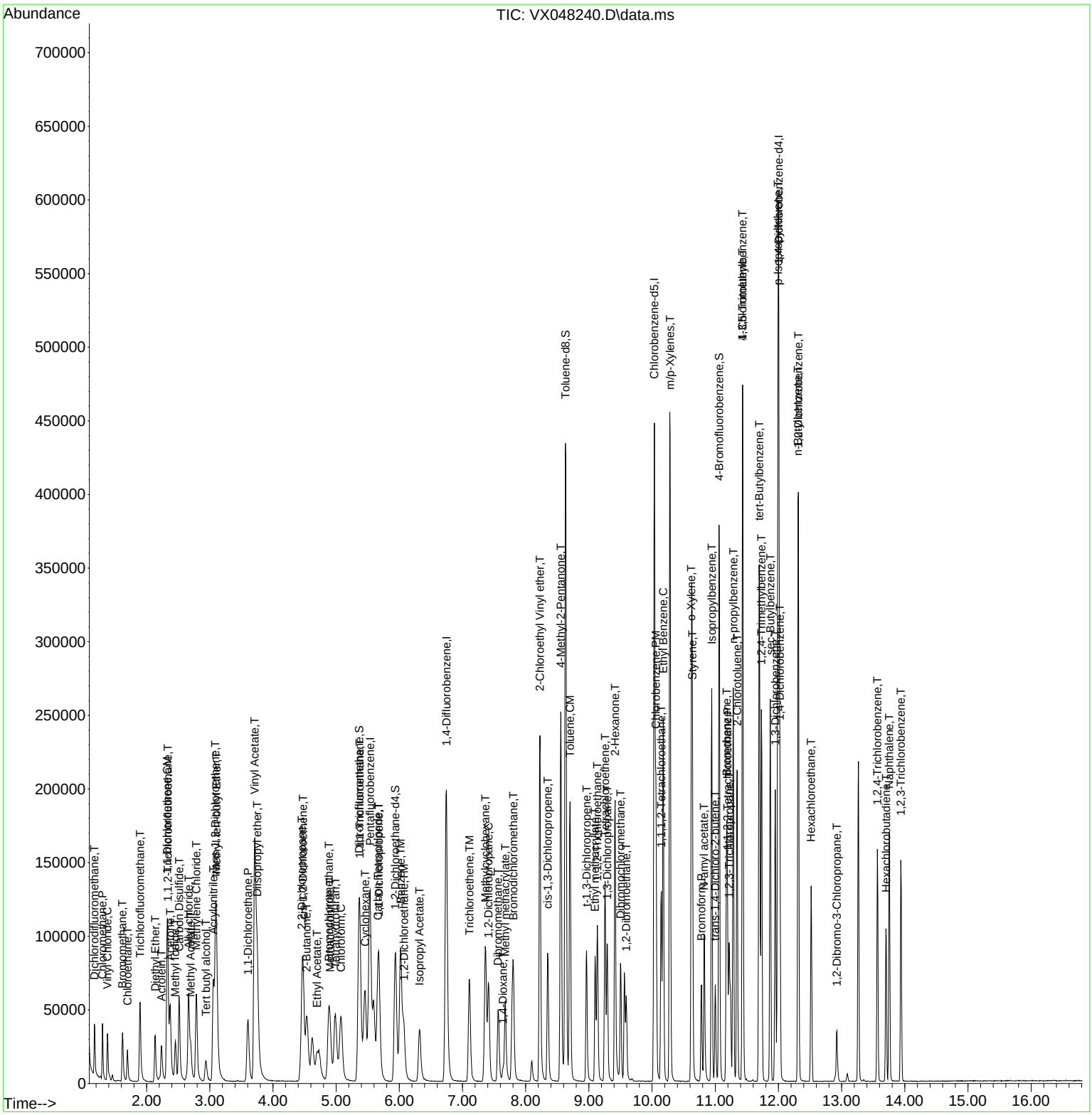
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048240.D
Acq On : 20 Oct 2025 15:50
Operator : JC/MD
Sample : VX1020WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

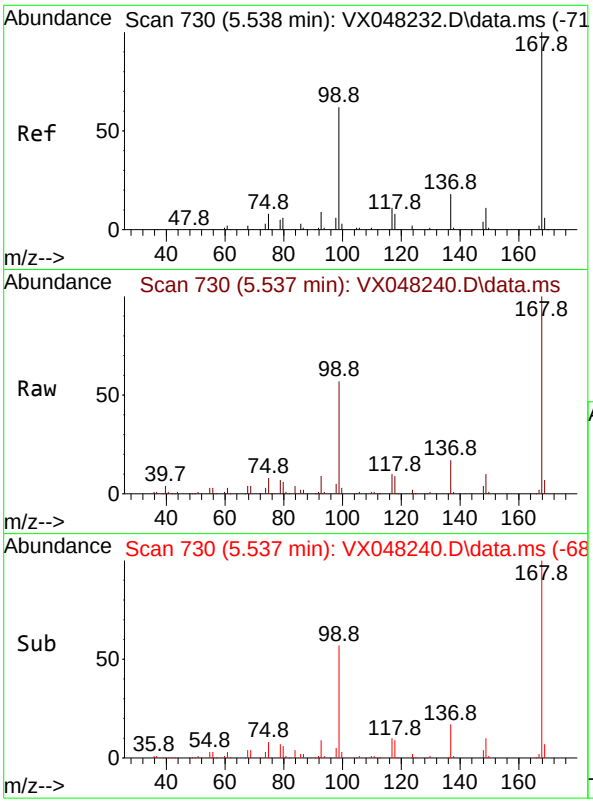
Quant Time: Oct 20 16:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

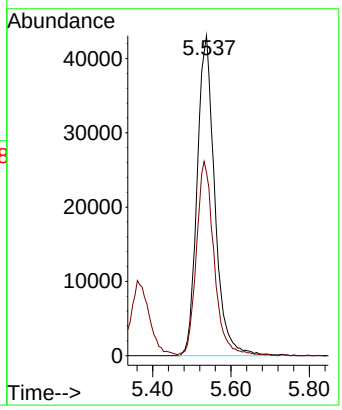





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:168 Resp: 13466

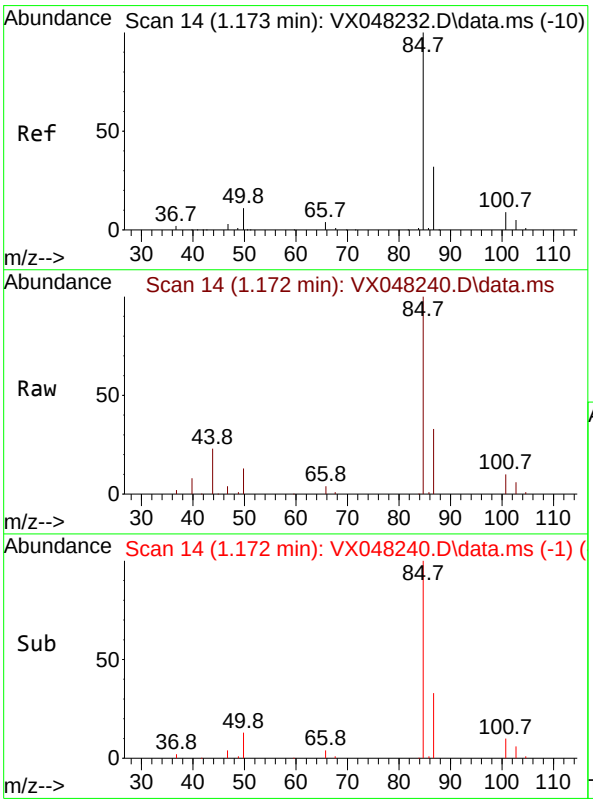
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.1 | 46.4 | 69.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

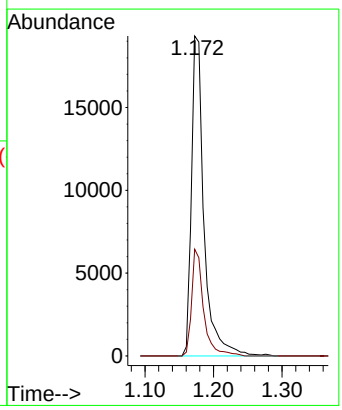
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

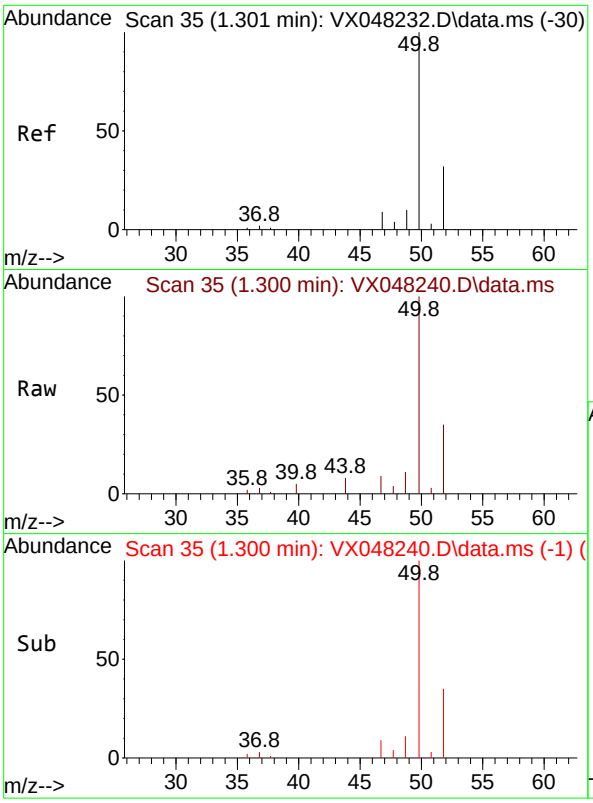



#2
Dichlorodifluoromethane
Concen: 17.848 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 85 Resp: 24708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.3 | 15.3 | 45.9 |

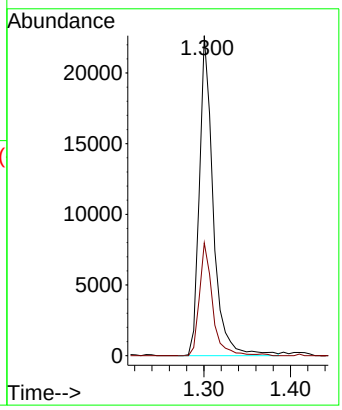





#3
Chloromethane
Concen: 19.407 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 50 Resp: 2507

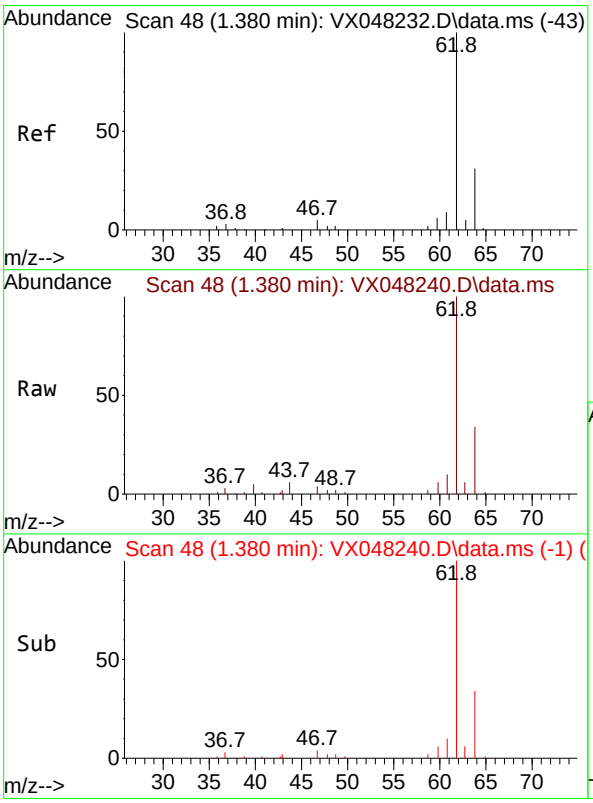
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 35.2 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

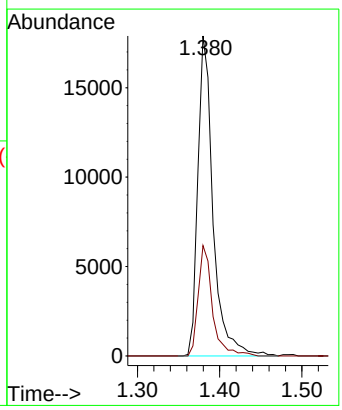
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

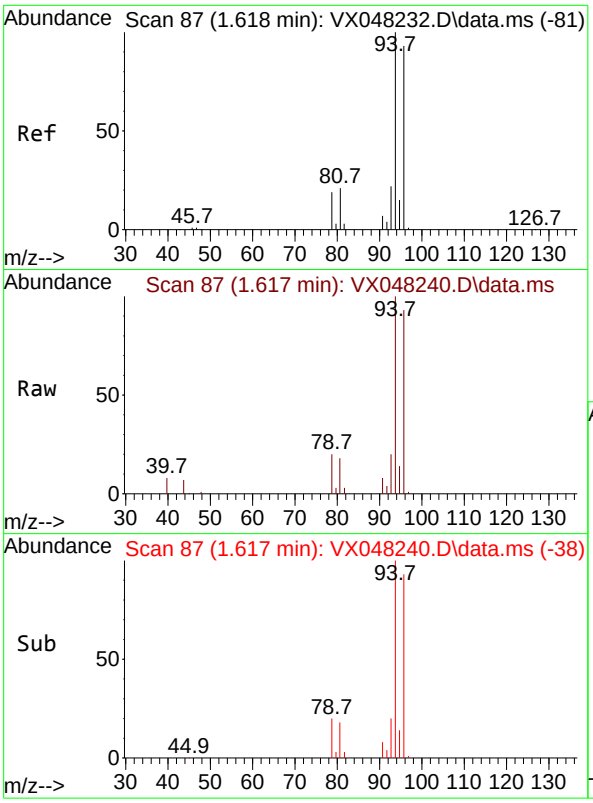



#4
Vinyl Chloride
Concen: 19.206 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 62 Resp: 22981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 34.5 | 25.1 | 37.7 |

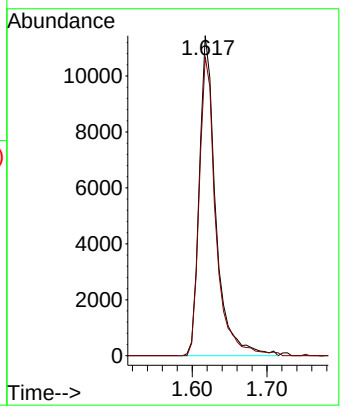





#5
Bromomethane
Concen: 21.534 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 94 Resp: 1748

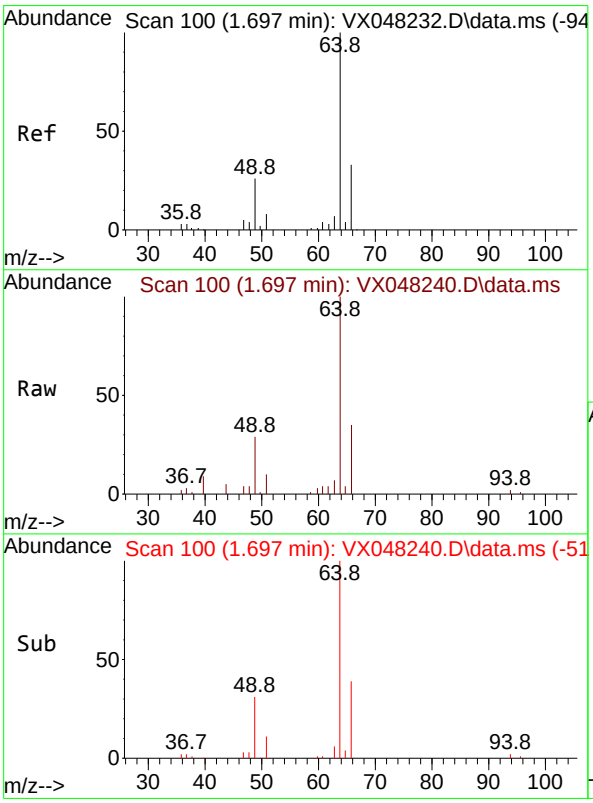
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.4 | 76.0 | 114.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

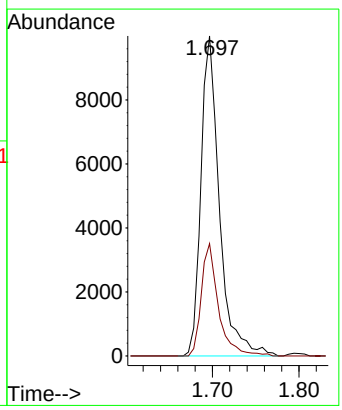
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

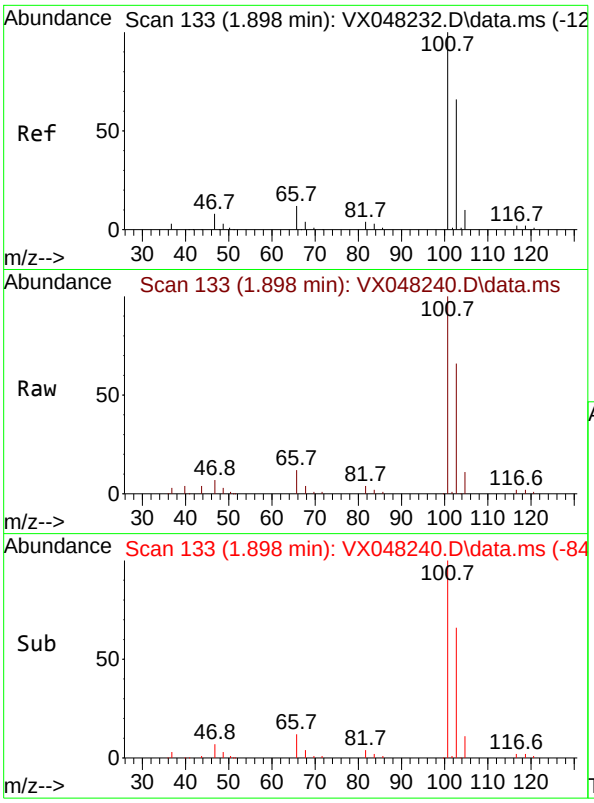



#6
Chloroethane
Concen: 21.058 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 64 Resp: 14806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.1 | 23.9 | 35.9 |






#7
Trichlorofluoromethane
Concen: 18.652 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

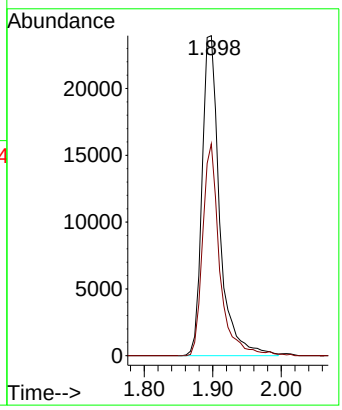
Tgt Ion:101 Resp: 4280

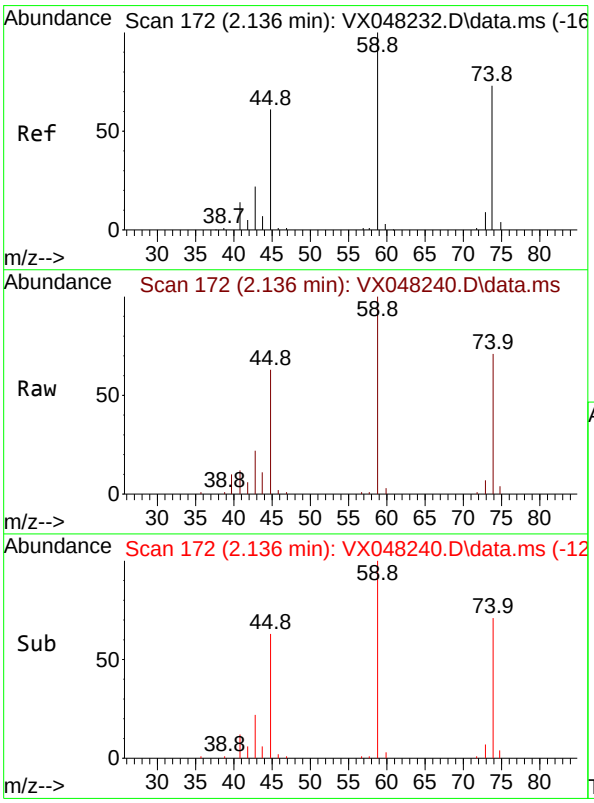
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.2 | 51.6 | 77.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

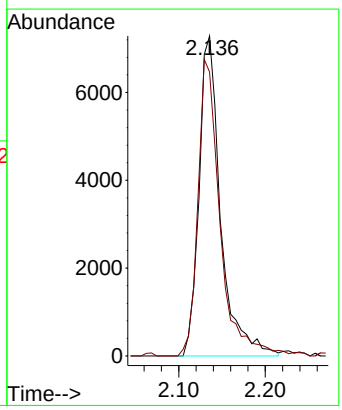


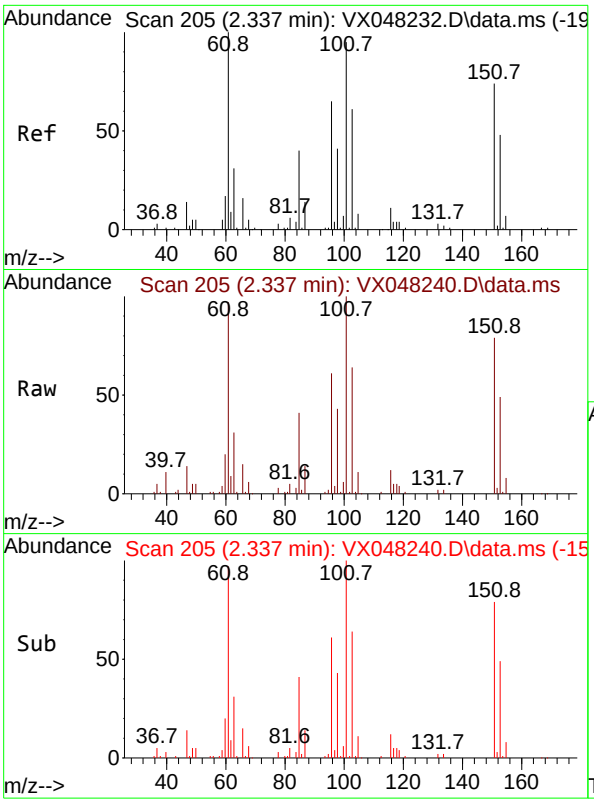




#8
Diethyl Ether
Concen: 19.540 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 74 Resp: 12617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.2 | 50.0 | 149.8 |

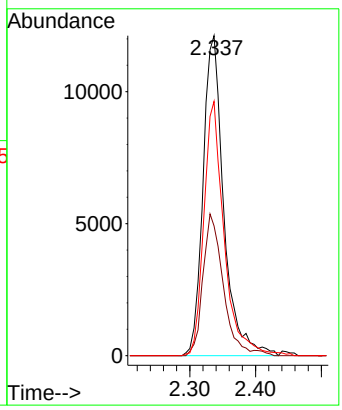





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.302 ug/l
RT: 2.337 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:101 Resp: 2659(

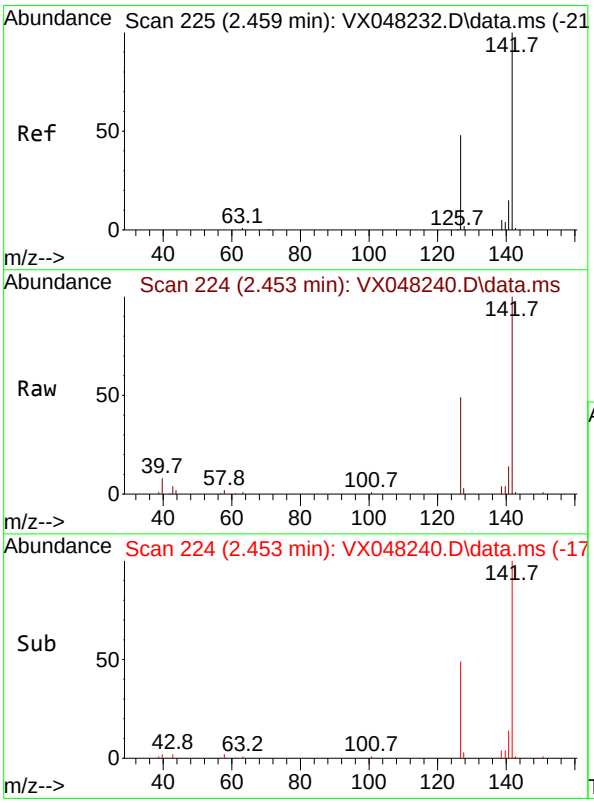
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.7 | 35.6 | 53.4 |
| 151 | 77.8 | 58.0 | 87.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

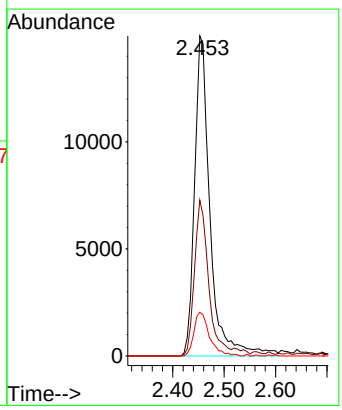
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

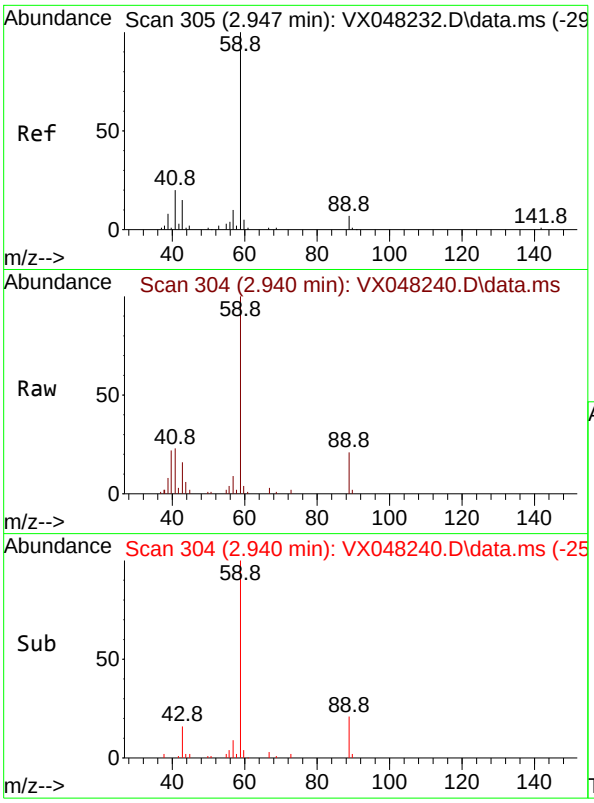



#10
Methyl Iodide
Concen: 17.138 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:142 Resp: 31308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.2 | 38.5 | 57.7 |
| 141 | 13.7 | 11.6 | 17.4 |






#11
Tert butyl alcohol
Concen: 91.429 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

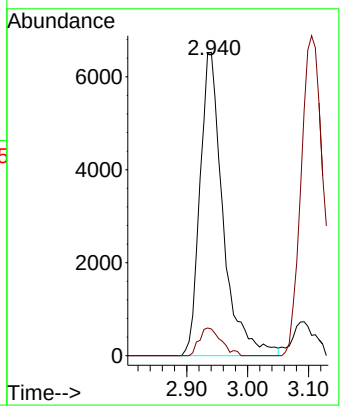
Tgt Ion: 59 Resp: 1713

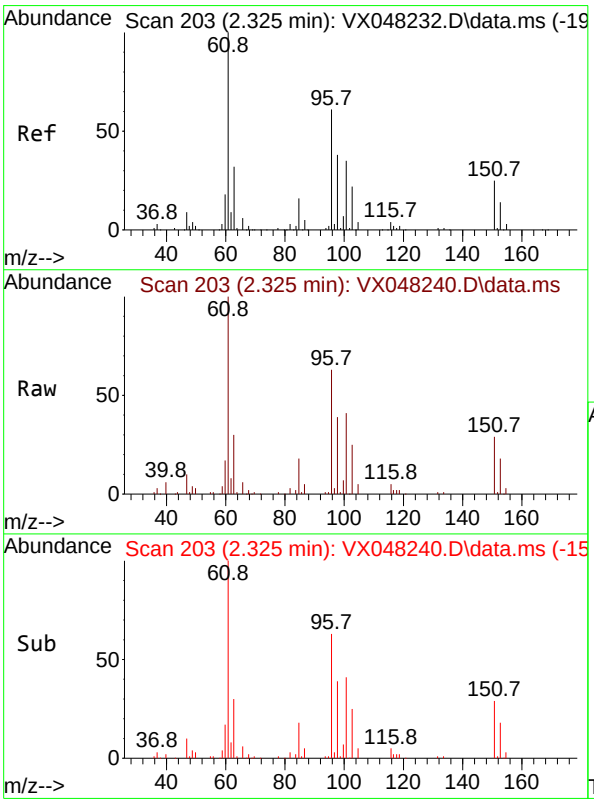
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 8.7 | 8.2 | 12.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

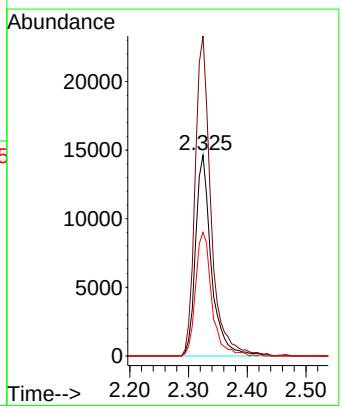


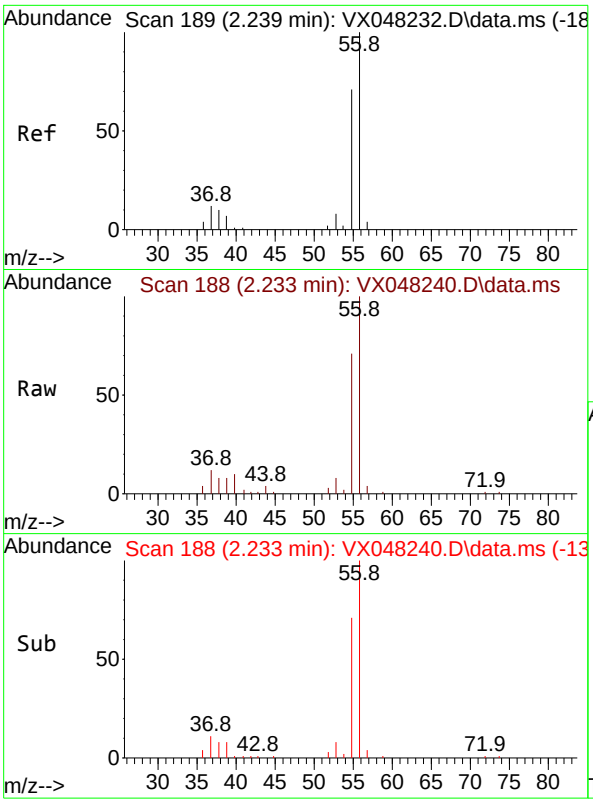




#12
1,1-Dichloroethene
Concen: 19.324 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 96 Resp: 27320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.5 | 139.0 | 208.6 |
| 98 | 61.7 | 52.4 | 78.6 |

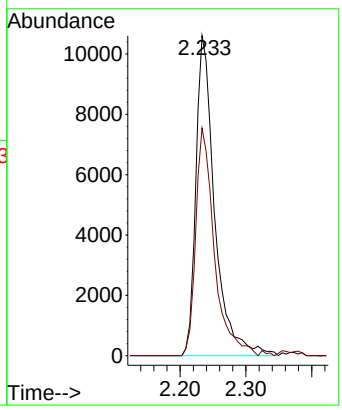





#13
Acrolein
Concen: 110.081 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 56 Resp: 2104

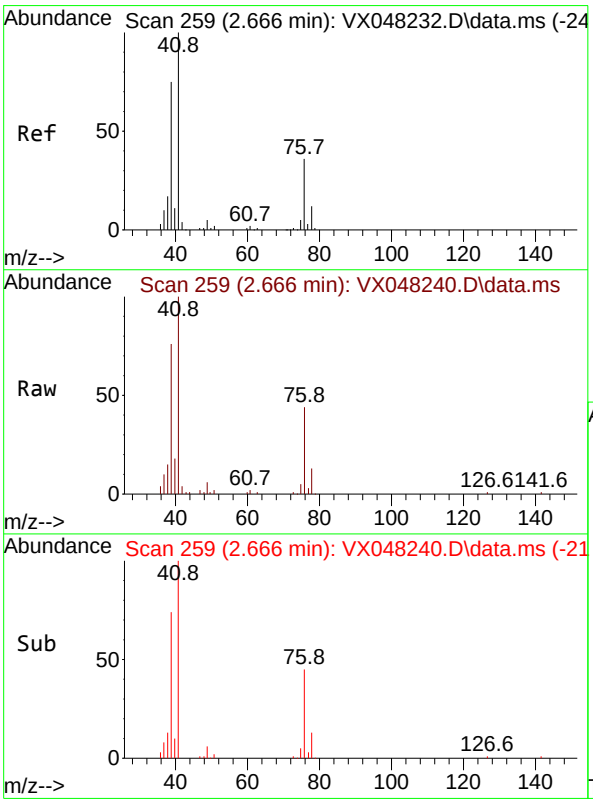
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.4 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

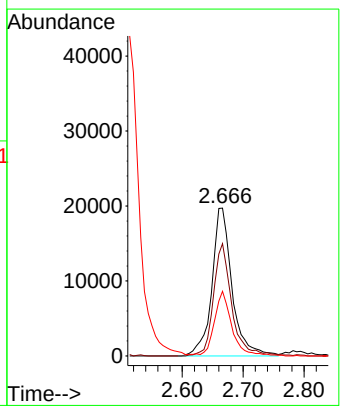
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

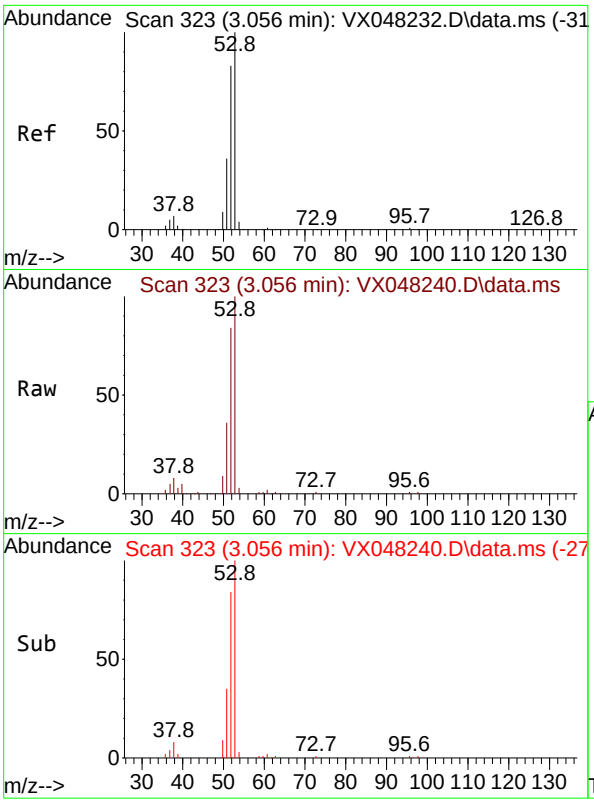



#14
Allyl chloride
Concen: 19.389 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 41 Resp: 45510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 68.7 | 56.0 | 84.0 |
| 76 | 37.8 | 27.5 | 41.3 |

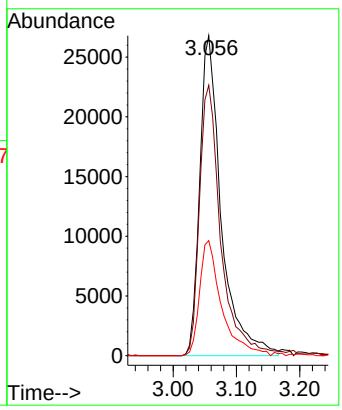





#15
Acrylonitrile
Concen: 93.873 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 53 Resp: 6345

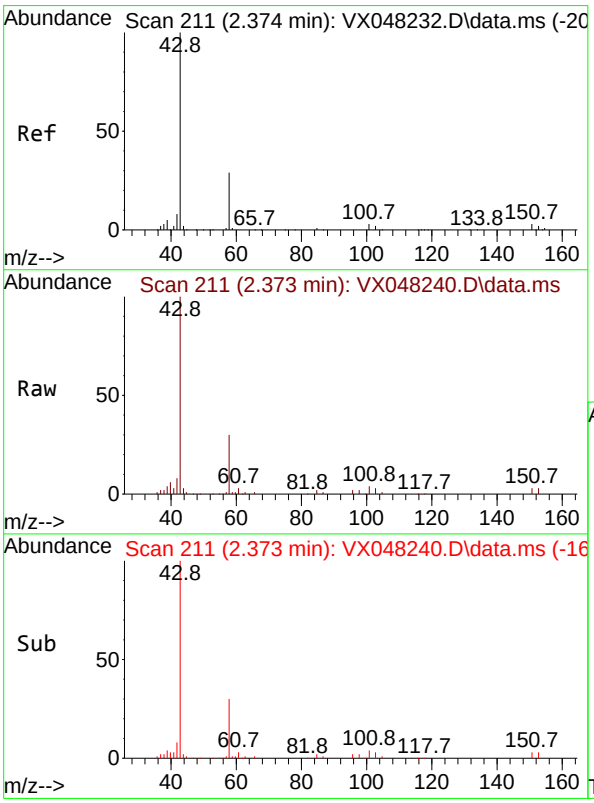
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 66.1 | 99.1 |
| 51 | 36.8 | 29.0 | 43.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

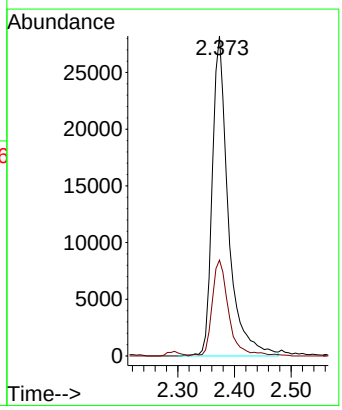
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

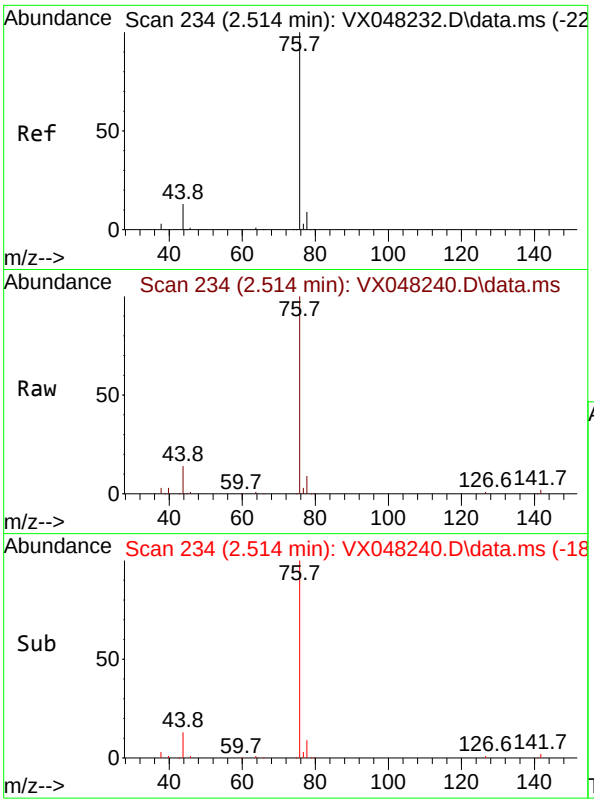



#16
Acetone
Concen: 85.745 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 43 Resp: 55537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.9 | 23.4 | 35.2 |

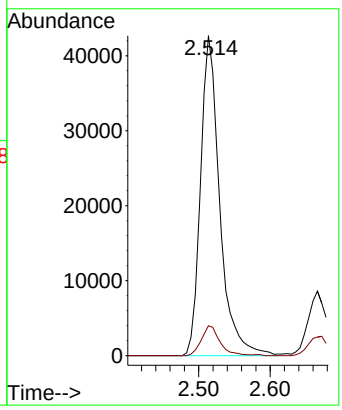





#17
Carbon Disulfide
Concen: 17.877 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 76 Resp: 7965

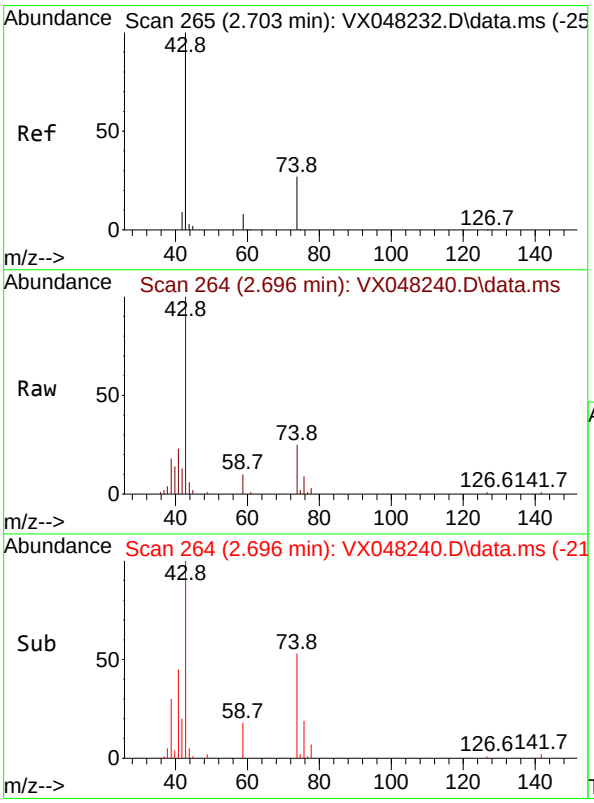
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.1 | 10.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

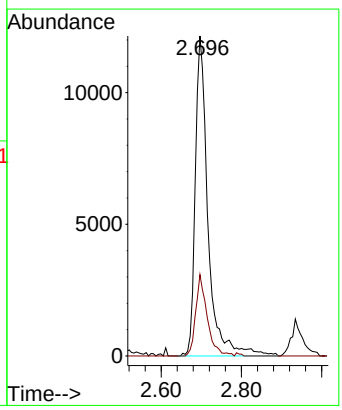
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

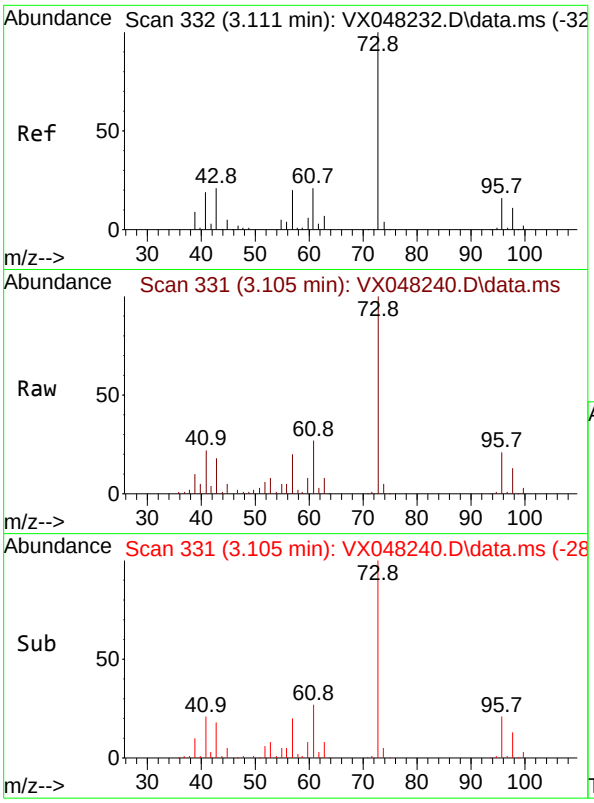



#18
Methyl Acetate
Concen: 19.748 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 43 Resp: 26712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.0 | 17.5 | 26.3 |

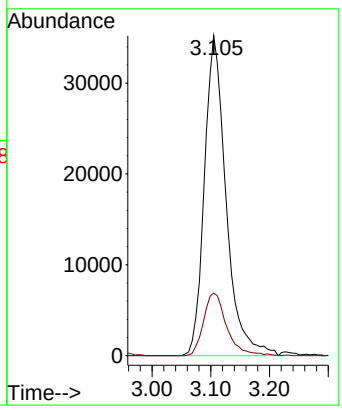





#19
Methyl tert-butyl Ether
Concen: 18.738 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 73 Resp: 9037

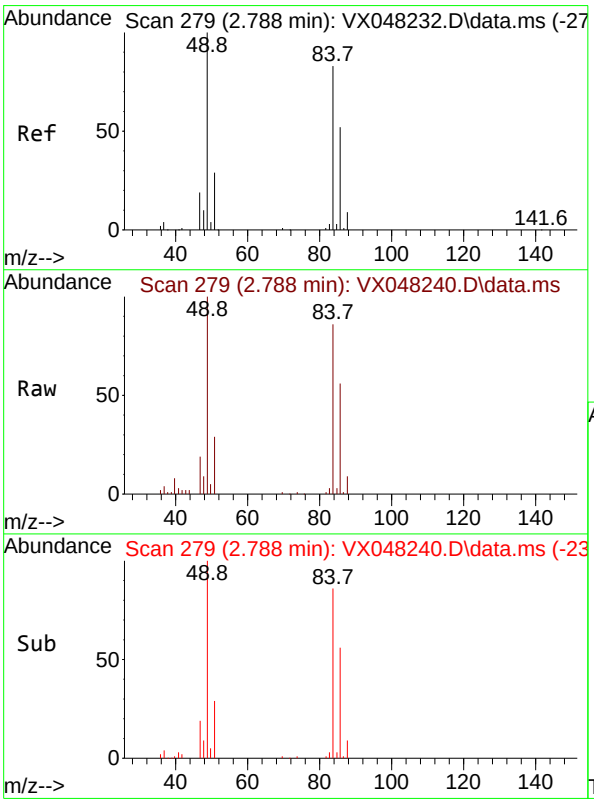
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 19.5 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

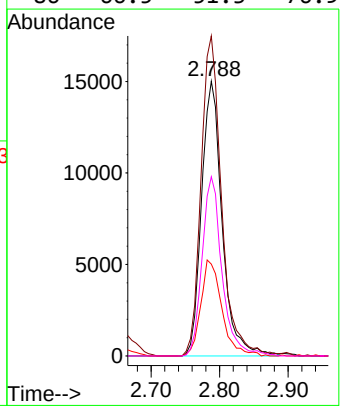
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

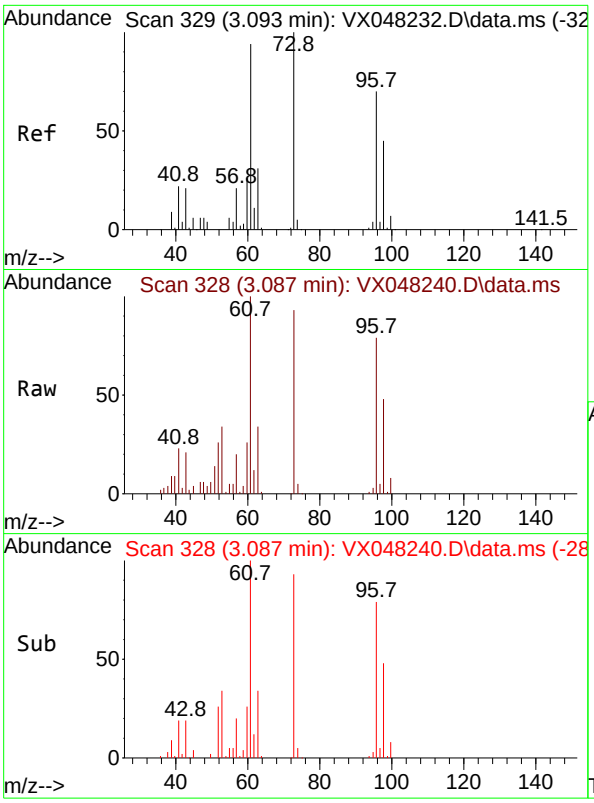



#20
Methylene Chloride
Concen: 19.934 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 84 Resp: 31460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 116.5 | 104.1 | 156.1 |
| 51 | 33.4 | 31.3 | 46.9 |
| 86 | 66.5 | 51.3 | 76.9 |

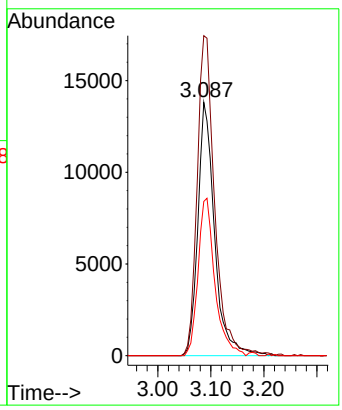





#21
trans-1,2-Dichloroethene
Concen: 19.468 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 96 Resp: 3023

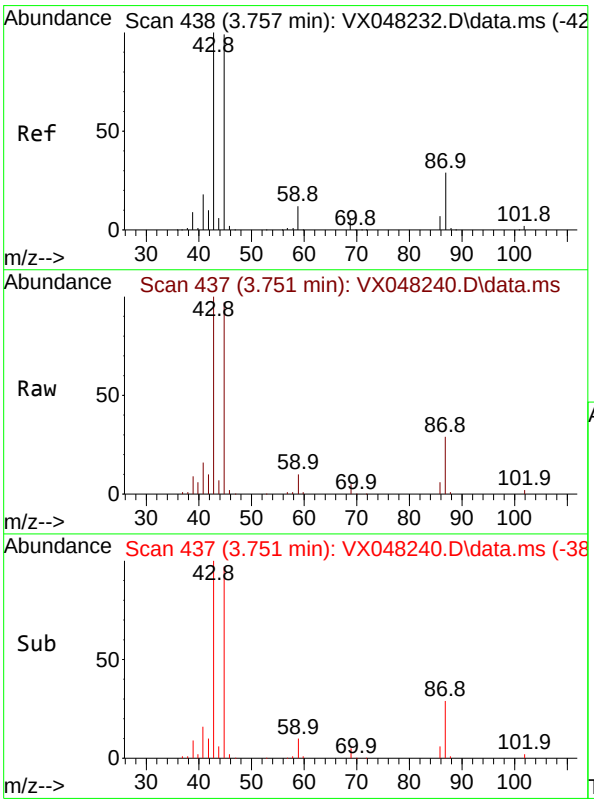
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 126.3 | 111.9 | 167.9 |
| 98 | 60.9 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

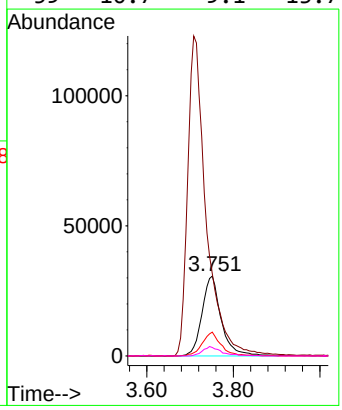
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

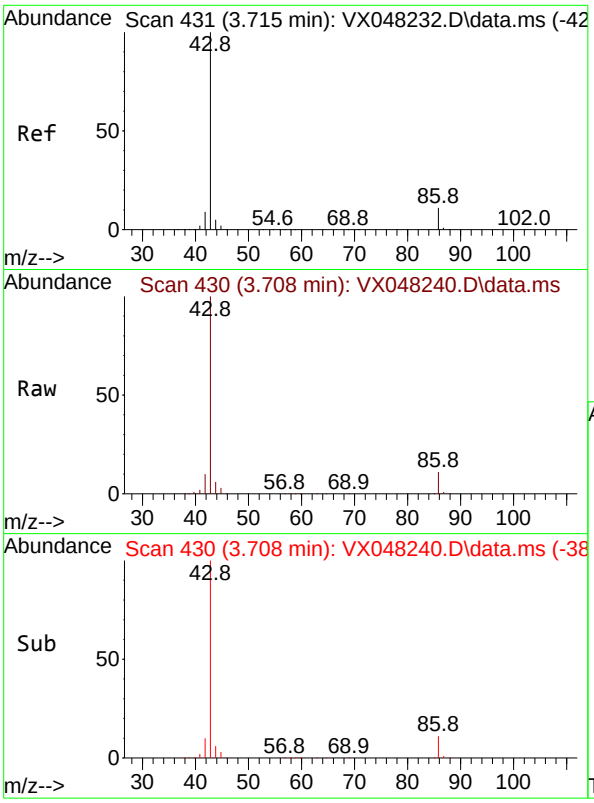



#22
Diisopropyl ether
Concen: 20.141 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 45 Resp: 94293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 101.4 | 89.8 | 134.8 |
| 87 | 29.8 | 20.6 | 31.0 |
| 59 | 10.7 | 9.1 | 13.7 |

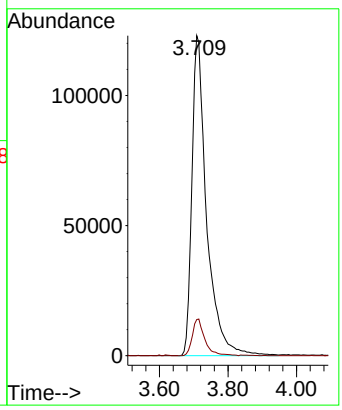





#23
Vinyl Acetate
Concen: 98.349 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 43 Resp: 36779

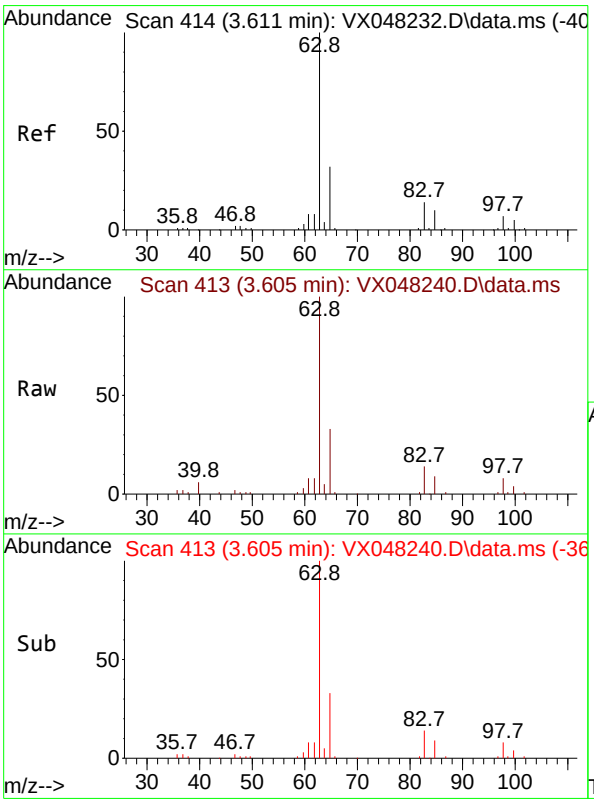
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.3 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

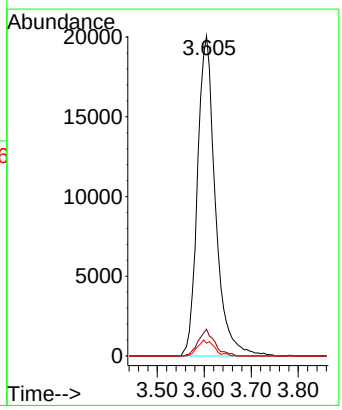
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

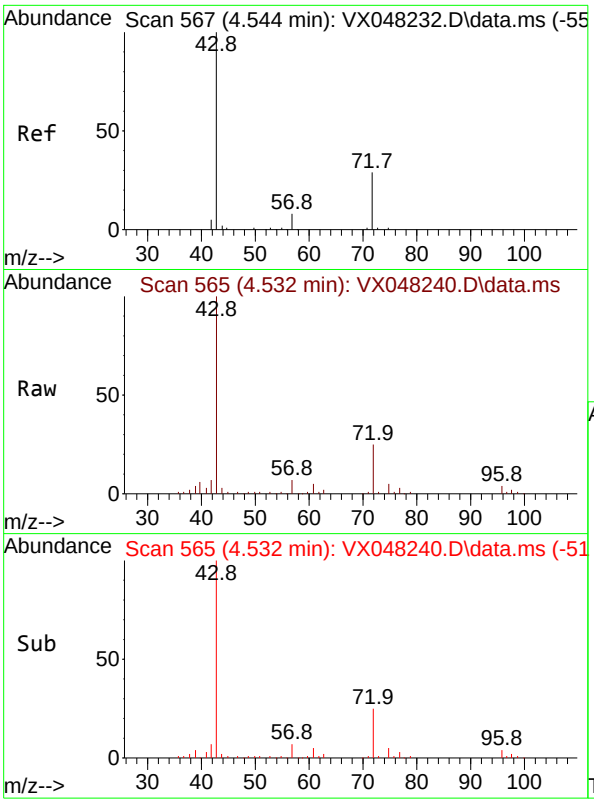



#24
1,1-Dichloroethane
Concen: 18.769 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 63 Resp: 53132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 9.3 | 3.5 | 10.6 |
| 100 | 4.0 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 91.980 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

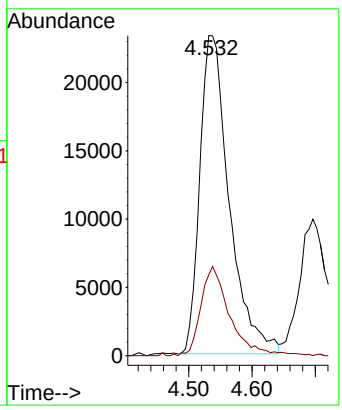
Tgt Ion: 43 Resp: 7540

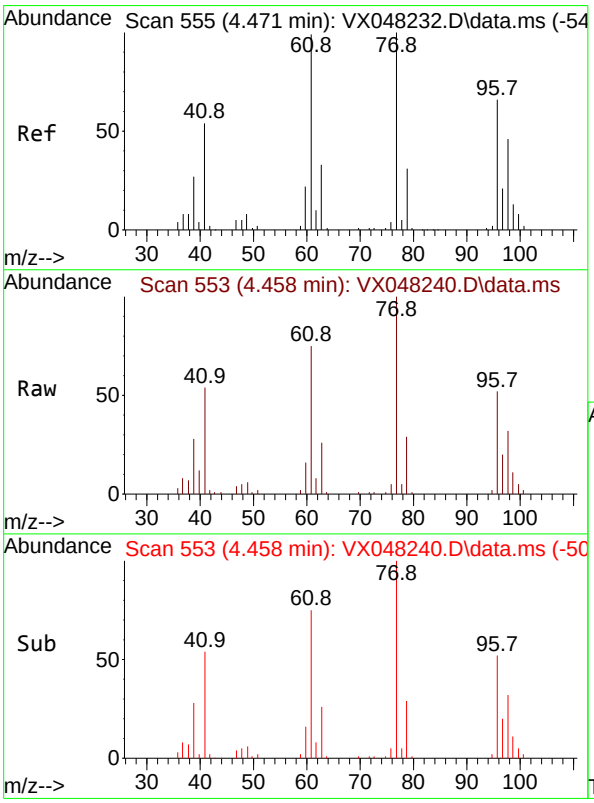
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.4 | 19.9 | 29.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

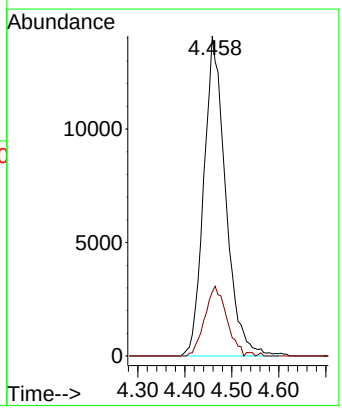


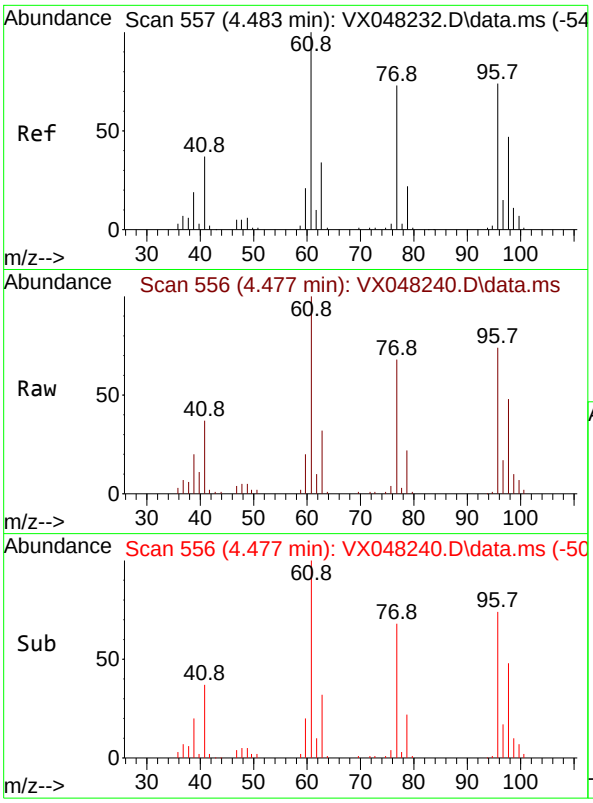




#26
2,2-Dichloropropane
Concen: 17.798 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 77 Resp: 45475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 11.1 | 33.3 |

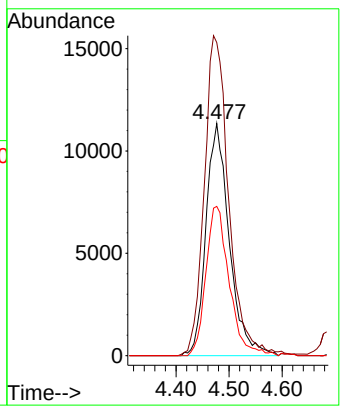





#27
cis-1,2-Dichloroethene
Concen: 19.122 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 96 Resp: 3465

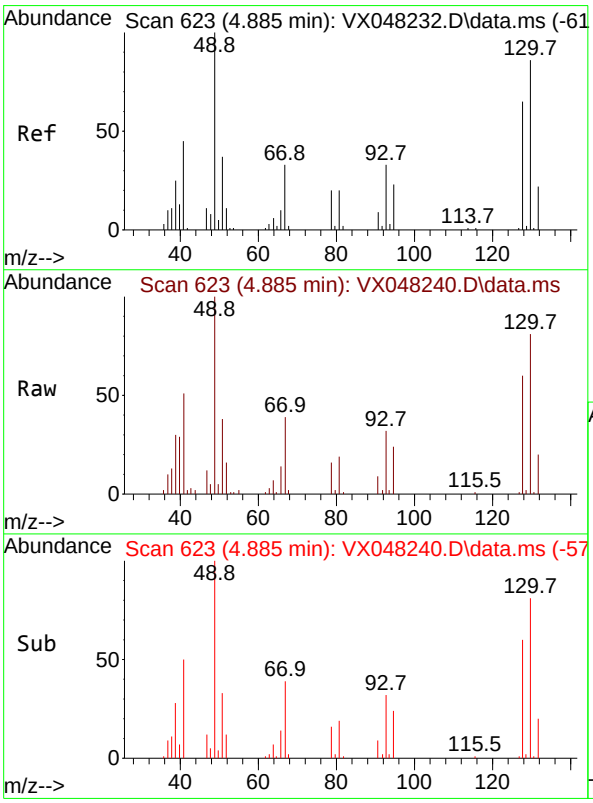
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.5 | 0.0 | 294.2 |
| 98 | 64.3 | 0.0 | 128.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

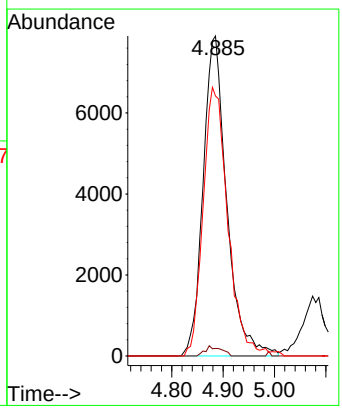
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

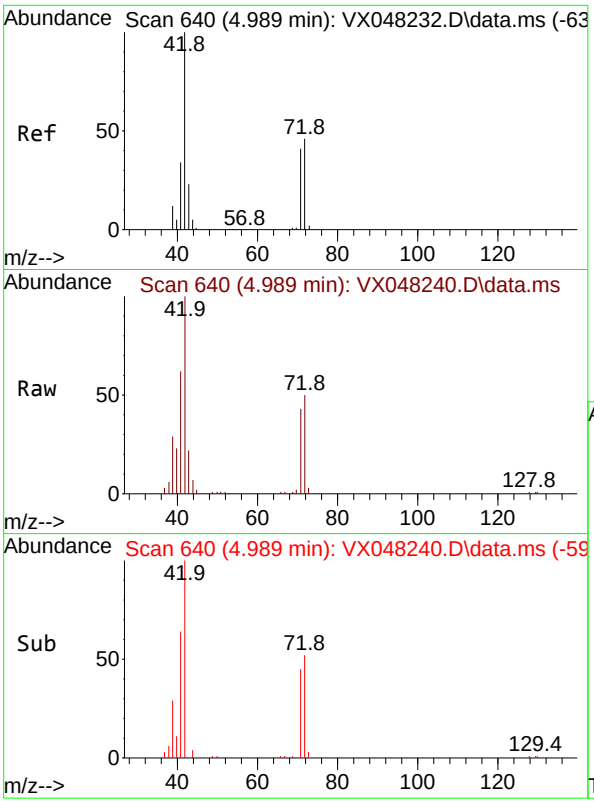



#28
Bromochloromethane
Concen: 21.434 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 49 Resp: 25158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.4 |
| 130 | 88.3 | 59.3 | 88.9 |






#29
Tetrahydrofuran
Concen: 94.500 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

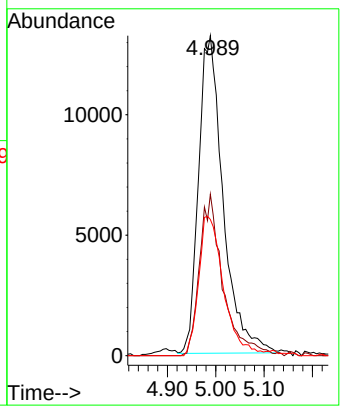
Tgt Ion: 42 Resp: 4639

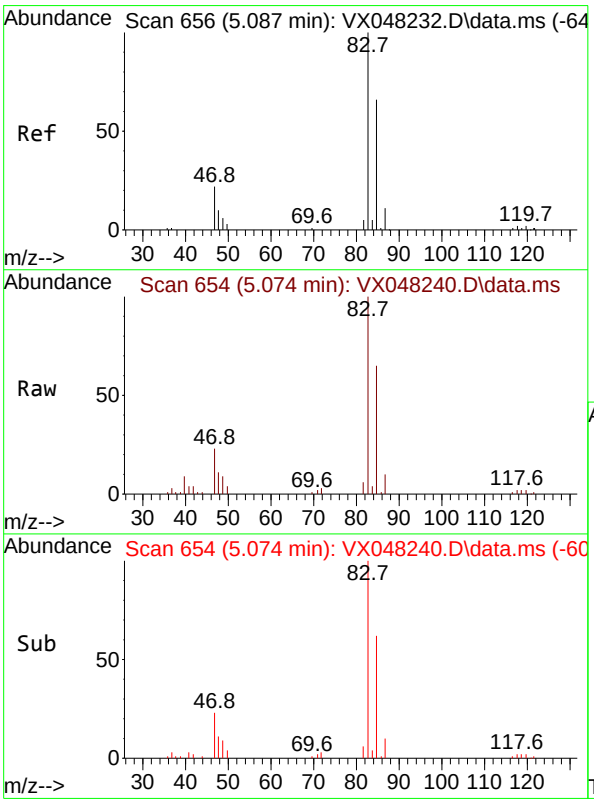
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.5 | 35.3 | 52.9 |
| 71 | 44.5 | 32.2 | 48.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

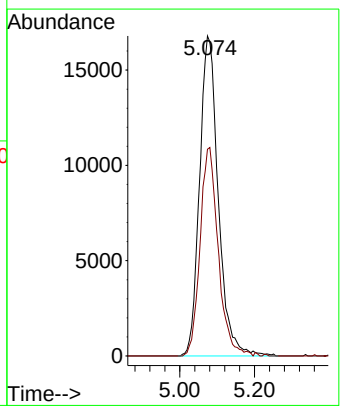


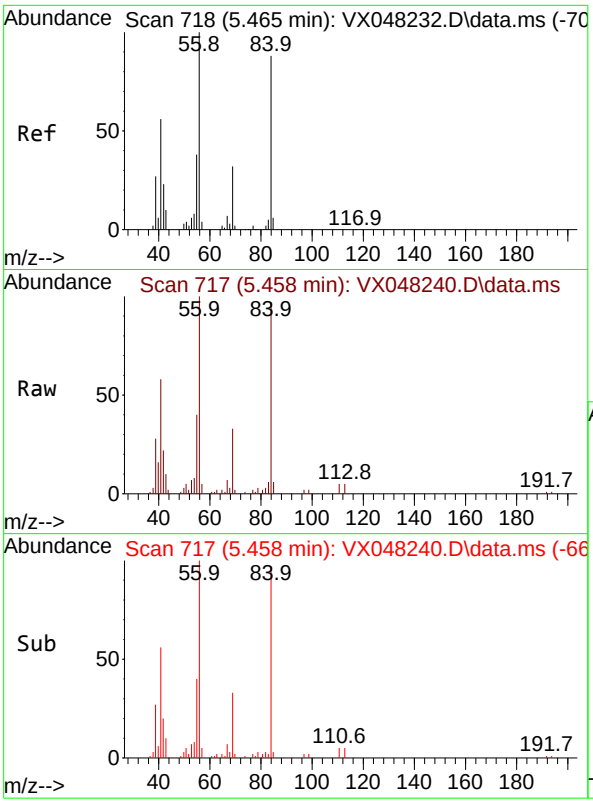




#30
Chloroform
Concen: 19.287 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 83 Resp: 58330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.6 | 50.1 | 75.1 |

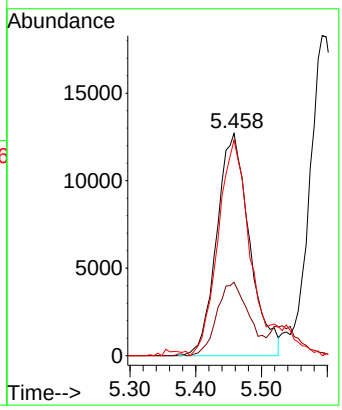





#31
Cyclohexane
Concen: 18.711 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 56 Resp: 4385

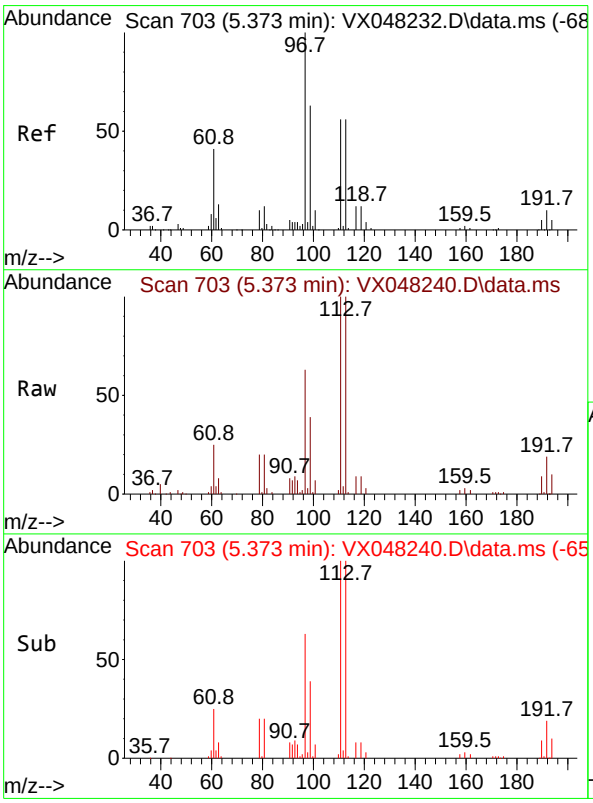
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.4 | 23.0 | 34.6 |
| 84 | 95.2 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

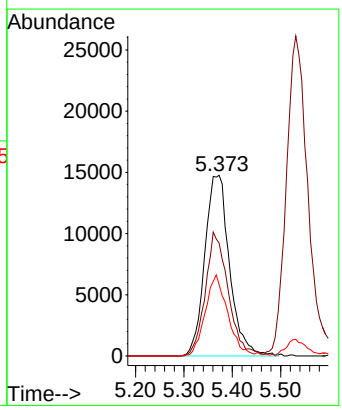
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

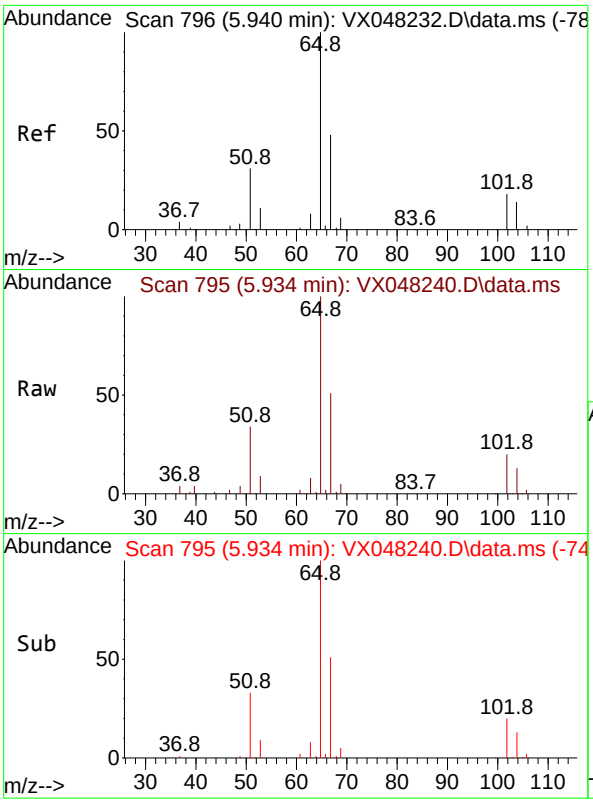



#32
1,1,1-Trichloroethane
Concen: 18.824 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 97 Resp: 52467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 51.7 | 77.5 |
| 61 | 41.1 | 34.8 | 52.2 |

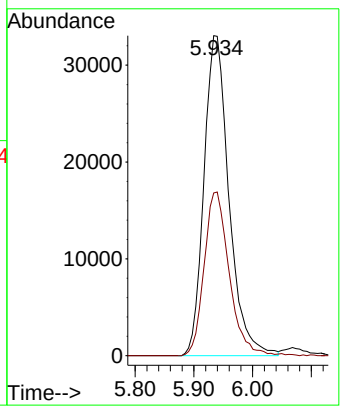





#33
1,2-Dichloroethane-d4
Concen: 51.728 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 65 Resp: 9766

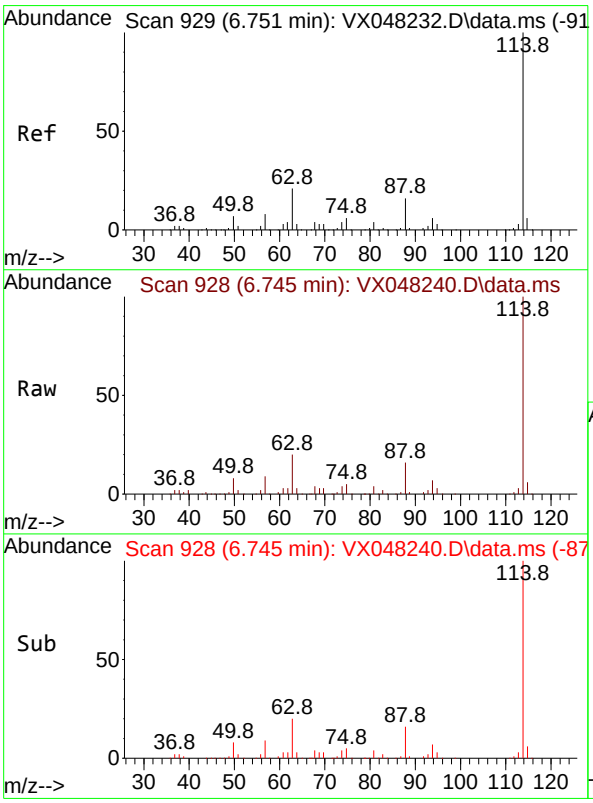
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 105.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

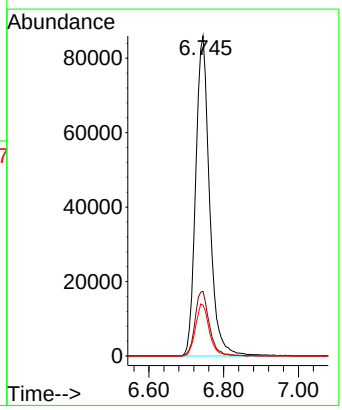
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

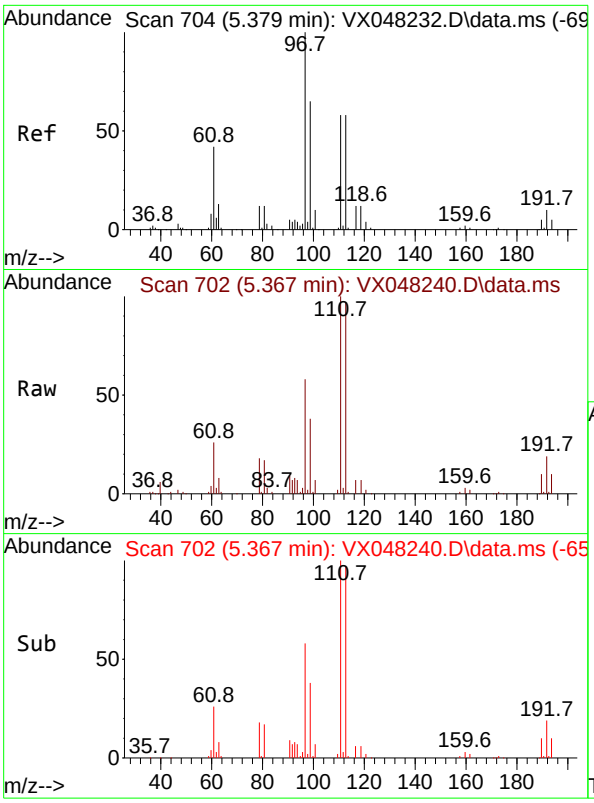



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:114 Resp: 221833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 43.2 |
| 88 | 15.9 | 0.0 | 33.6 |

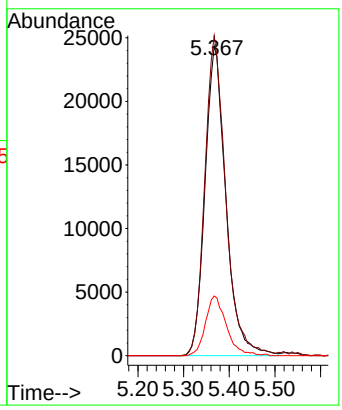





#35
Dibromofluoromethane
Concen: 51.237 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:113 Resp: 7759

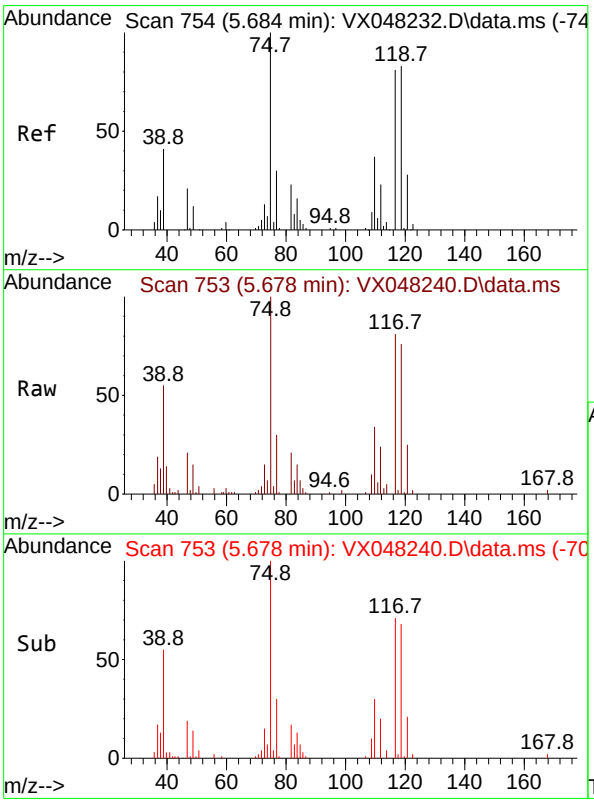
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 82.2 | 123.4 |
| 192 | 19.2 | 15.1 | 22.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

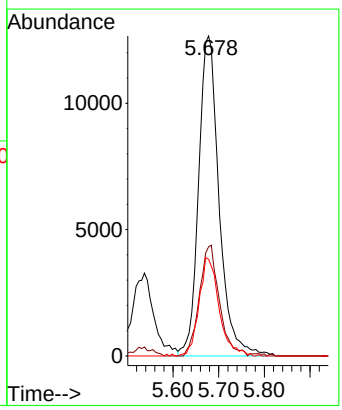
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

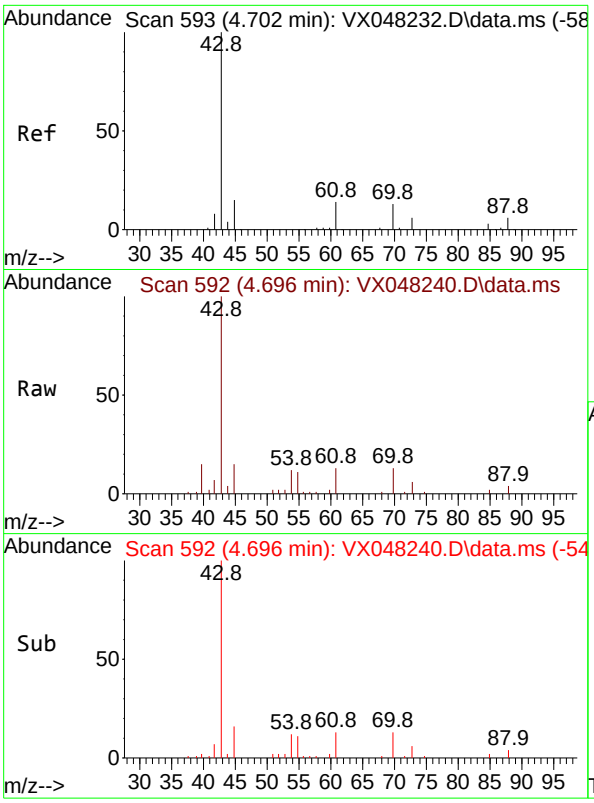



#36
1,1-Dichloropropene
Concen: 18.319 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 75 Resp: 39432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.5 | 17.7 | 53.1 |
| 77 | 30.0 | 24.3 | 36.5 |

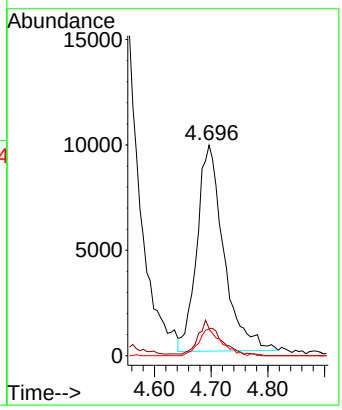





#37
Ethyl Acetate
Concen: 17.952 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 43 Resp: 3203

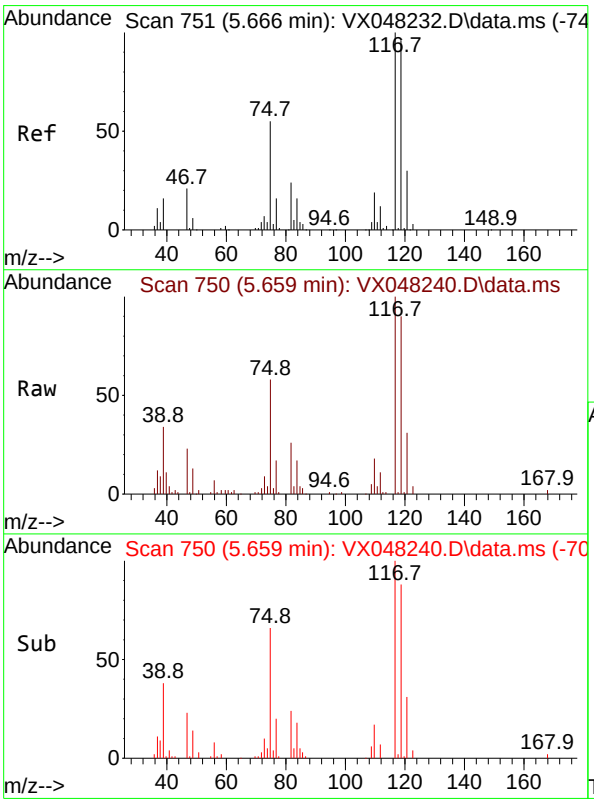
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.3 | 10.6 | 15.8 |
| 70 | 11.0 | 7.8 | 11.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

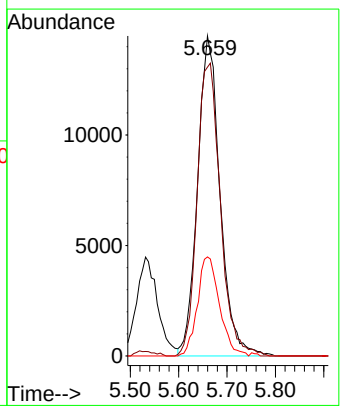
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

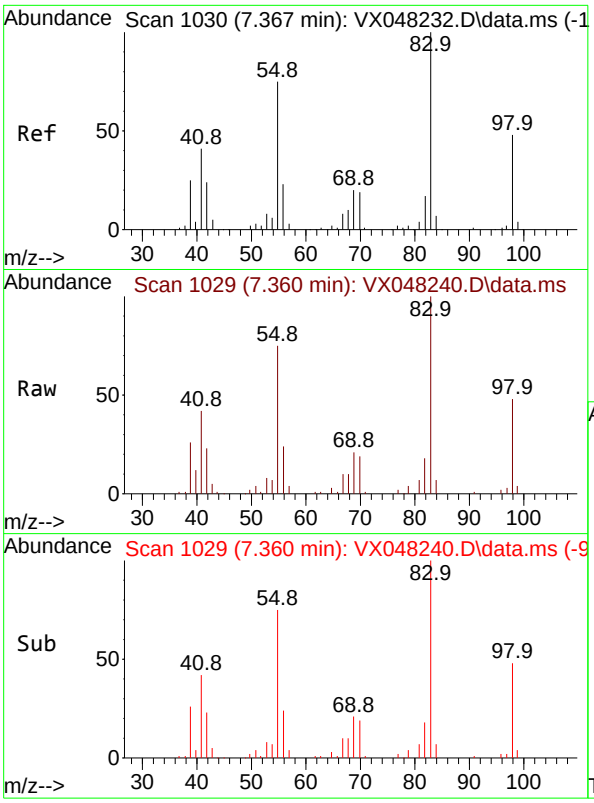



#38
Carbon Tetrachloride
Concen: 17.648 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:117 Resp: 46868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.2 | 77.2 | 115.8 |
| 121 | 31.0 | 24.8 | 37.2 |

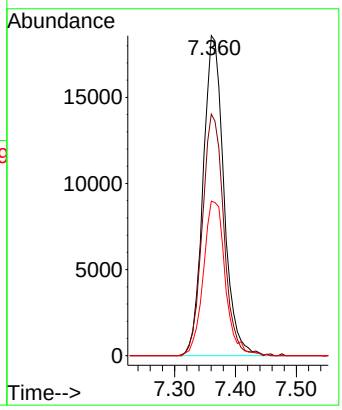





#39
Methylcyclohexane
Concen: 17.331 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 83 Resp: 4405

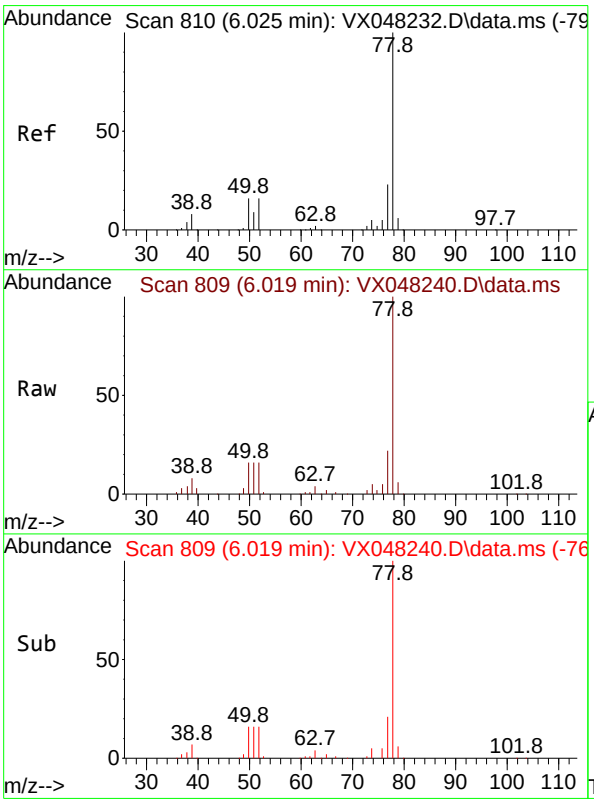
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.5 | 66.2 | 99.2 |
| 98 | 48.3 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

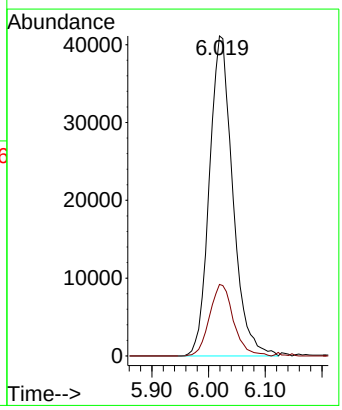
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

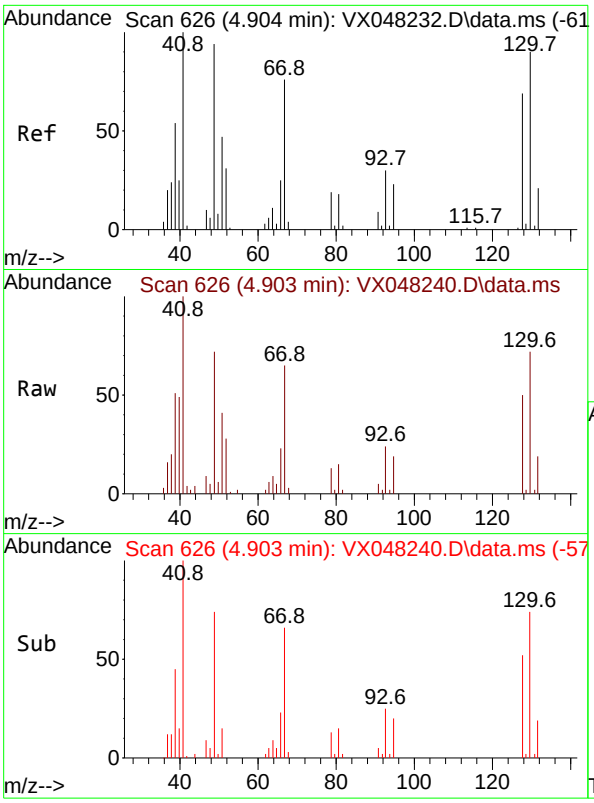



#40
Benzene
Concen: 18.847 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 78 Resp: 117785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.4 | 19.3 | 28.9 |

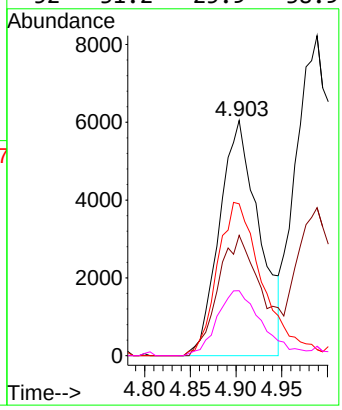





#41
Methacrylonitrile
Concen: 19.499 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 41 Resp: 1827

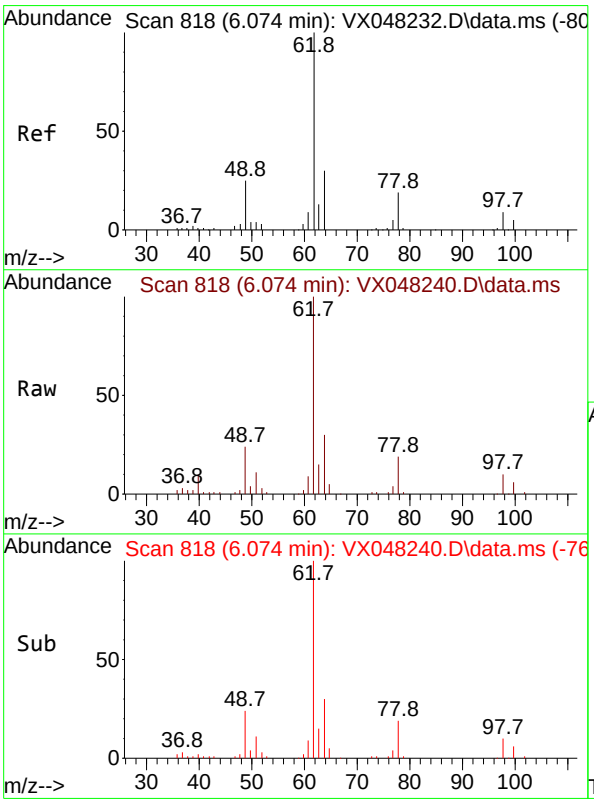
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.0 | 44.0 | 66.0 |
| 67 | 74.0 | 58.7 | 88.1 |
| 52 | 31.2 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

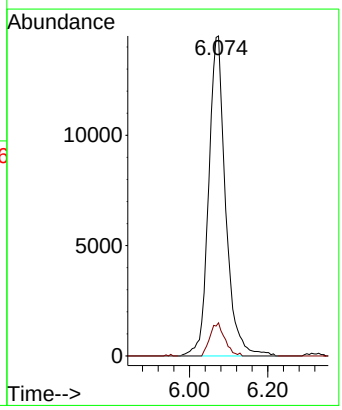
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

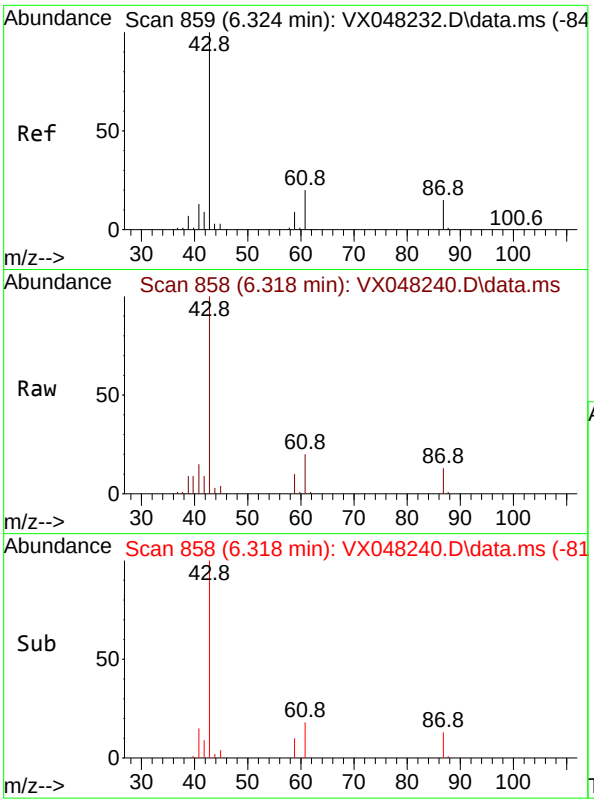



#42
1,2-Dichloroethane
Concen: 18.813 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 62 Resp: 43384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.2 |






#43
Isopropyl Acetate
Concen: 18.935 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

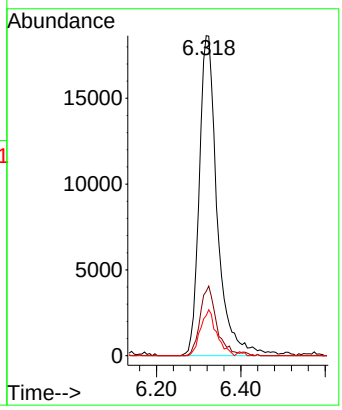
Tgt Ion: 43 Resp: 5549

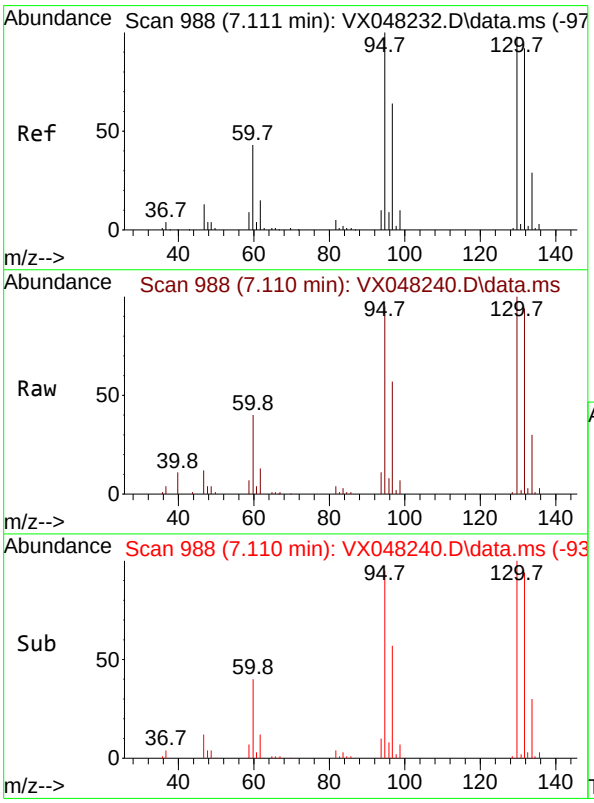
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.9 | 14.9 | 22.3 |
| 87 | 12.8 | 9.4 | 14.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

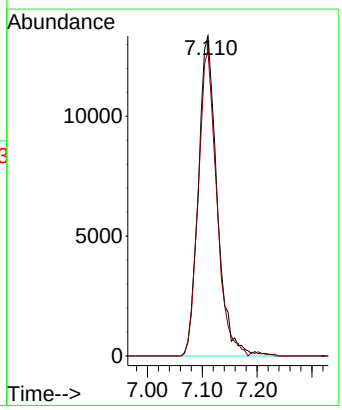


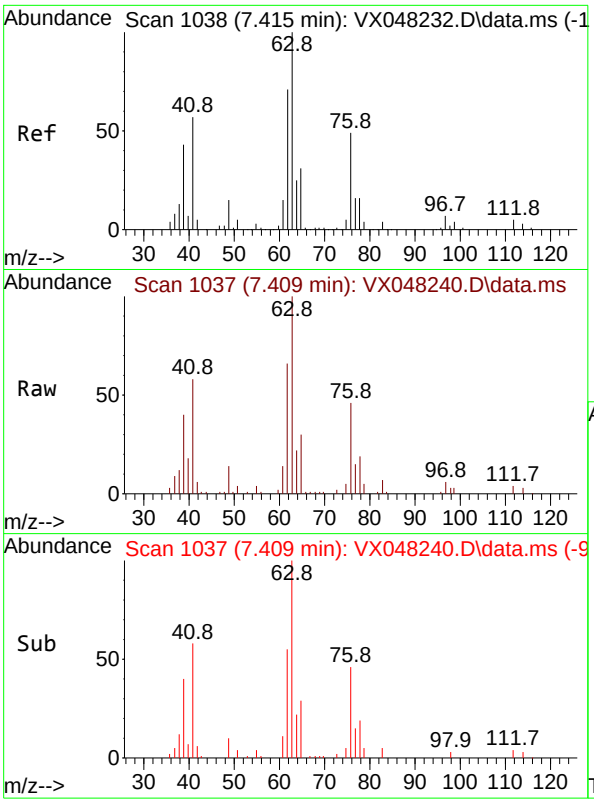




#44
Trichloroethene
Concen: 19.165 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:130 Resp: 31625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.5 | 0.0 | 200.6 |

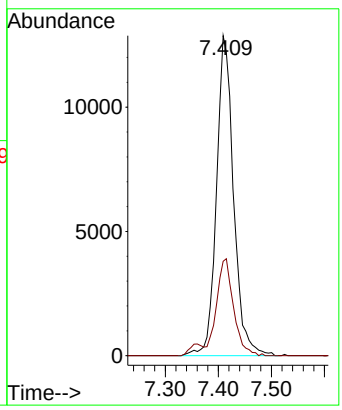





#45
1,2-Dichloropropane
Concen: 19.430 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 63 Resp: 2887

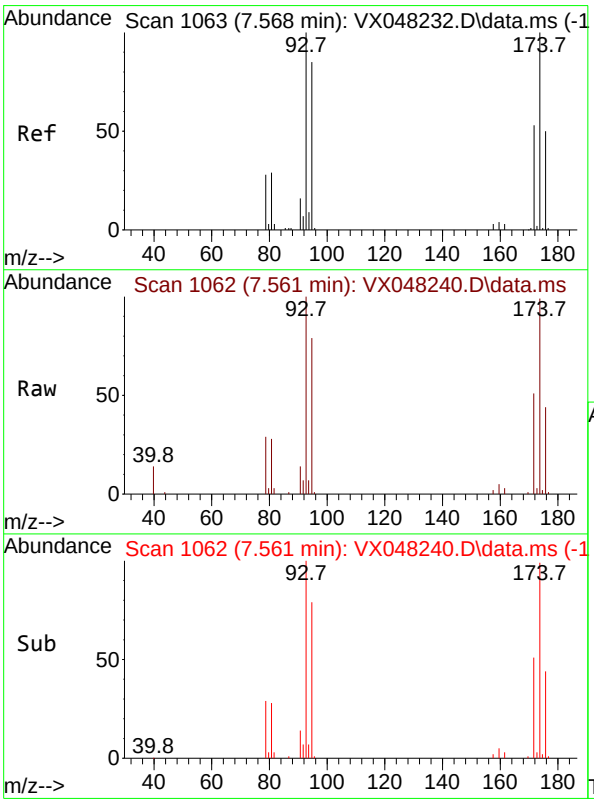
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.5 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

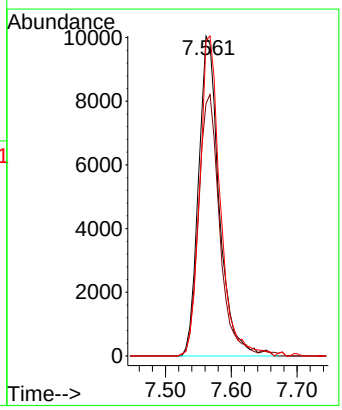
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

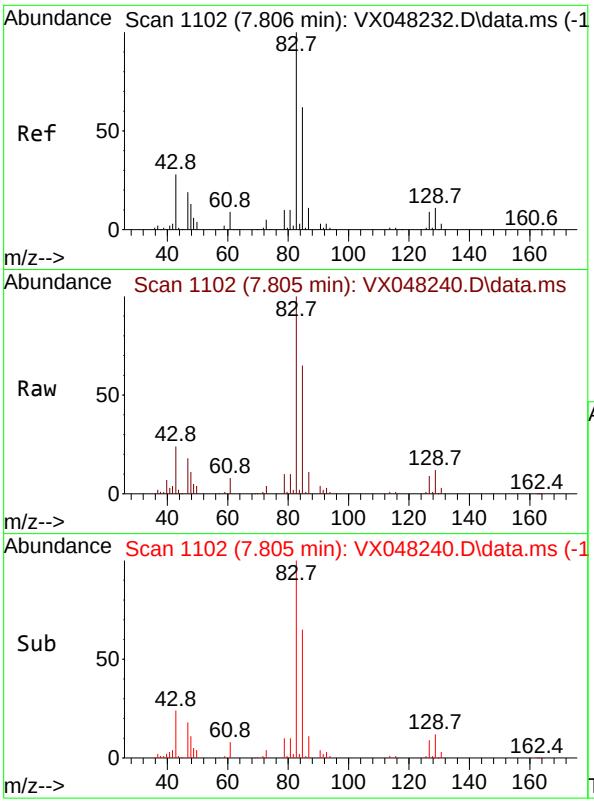



#46
Dibromomethane
Concen: 18.903 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 93 Resp: 21882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.1 | 65.9 | 98.9 |
| 174 | 99.3 | 71.7 | 107.5 |

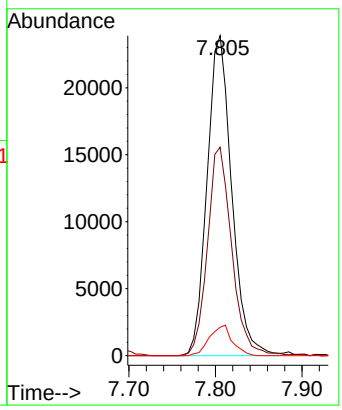





#47
Bromodichloromethane
Concen: 18.904 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 83 Resp: 4724

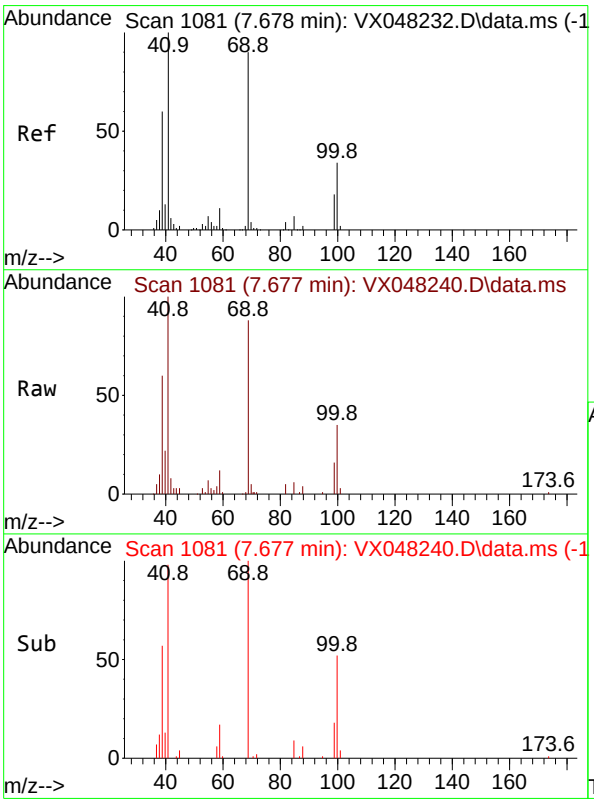
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 52.2 | 78.4 |
| 127 | 8.9 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

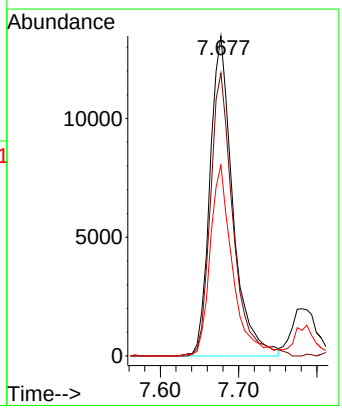
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

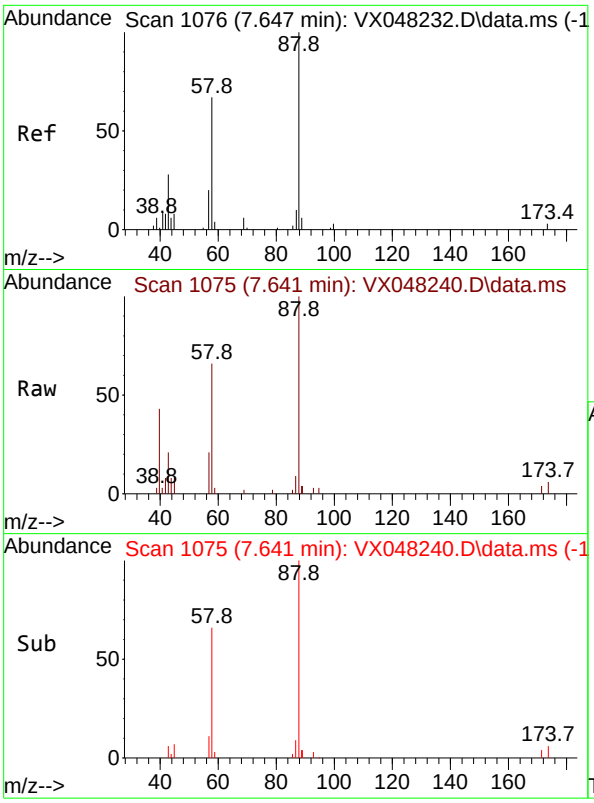



#48
Methyl methacrylate
Concen: 18.432 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 41 Resp: 27258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 87.4 | 63.4 | 95.0 |
| 39 | 58.8 | 47.1 | 70.7 |

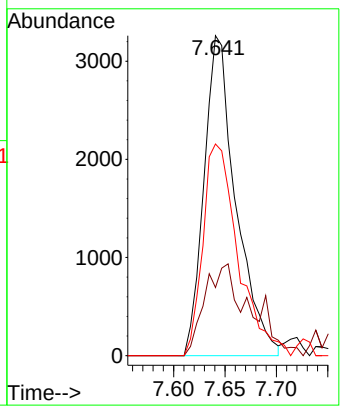





#49
1,4-Dioxane
Concen: 360.230 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 88 Resp: 703

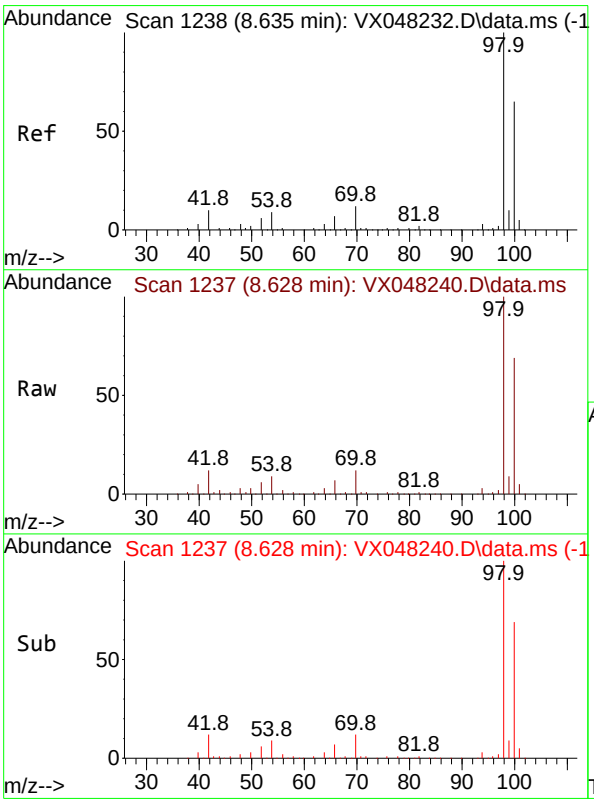
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.7 | 35.0 | 52.4 |
| 58 | 72.9 | 61.9 | 92.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

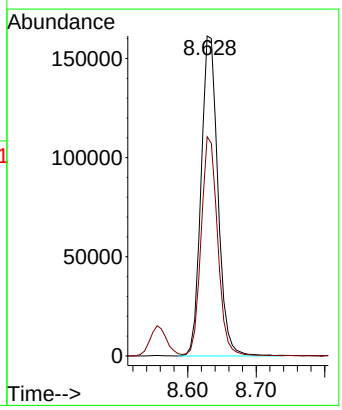
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

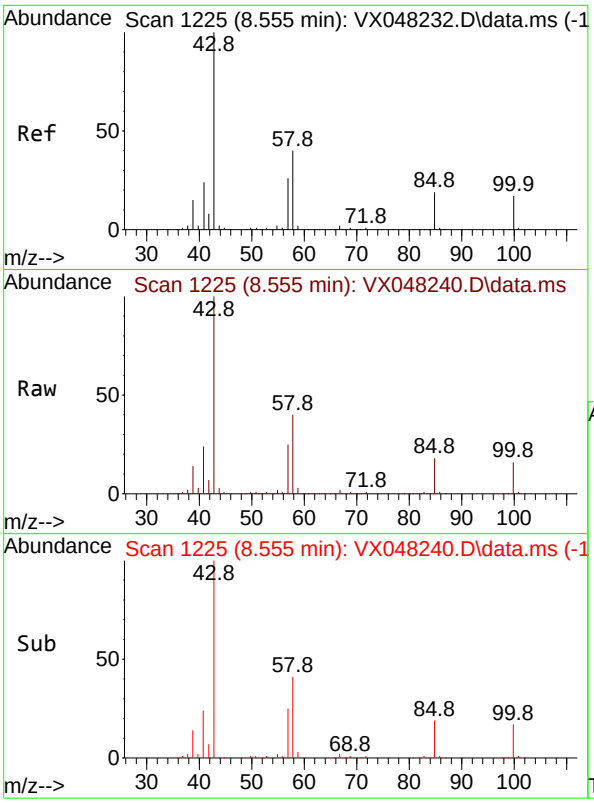



#50
Toluene-d8
Concen: 51.943 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 98 Resp: 275727

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

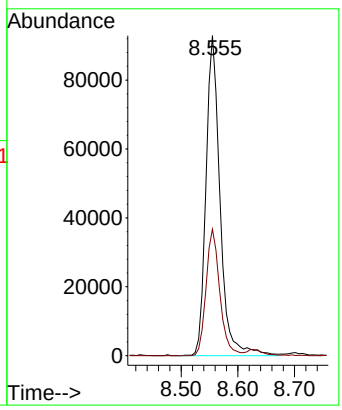





#51
4-Methyl-2-Pentanone
Concen: 94.846 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 43 Resp: 16026

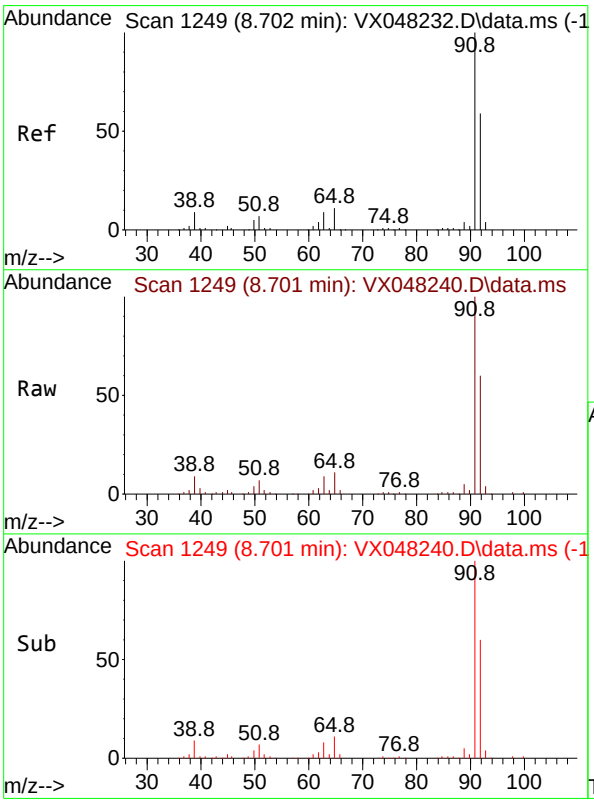
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.5 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

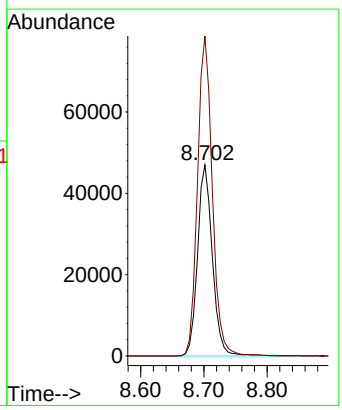
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

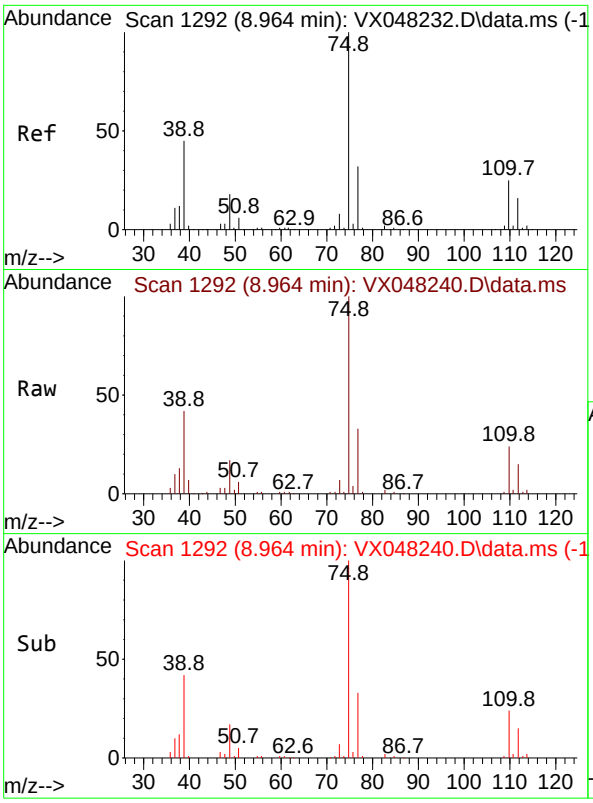



#52
Toluene
Concen: 19.263 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 92 Resp: 76478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 167.7 | 136.1 | 204.1 |

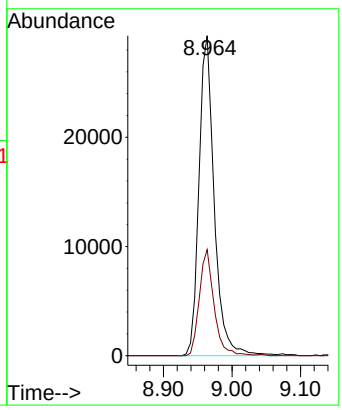





#53
t-1,3-Dichloropropene
Concen: 18.884 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 75 Resp: 4548

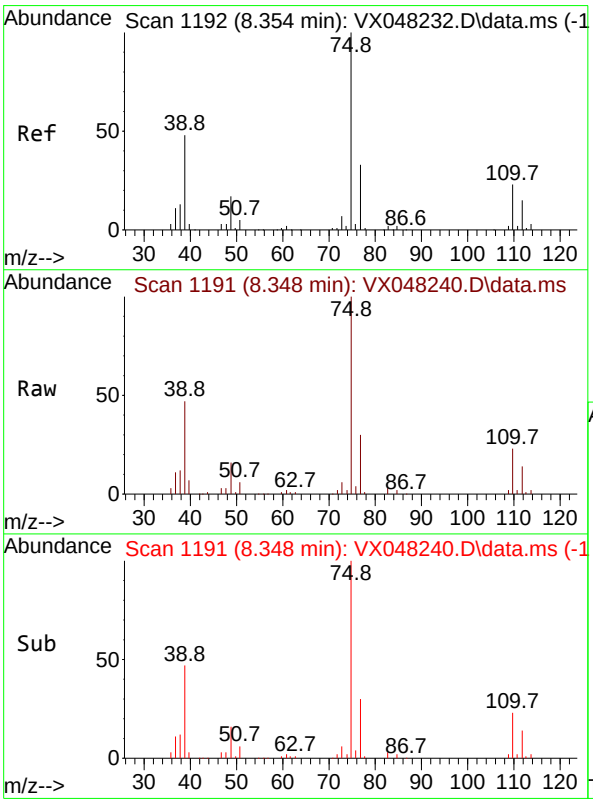
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

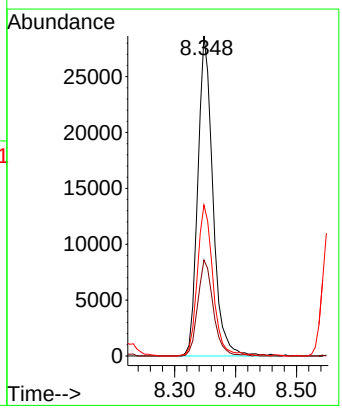
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

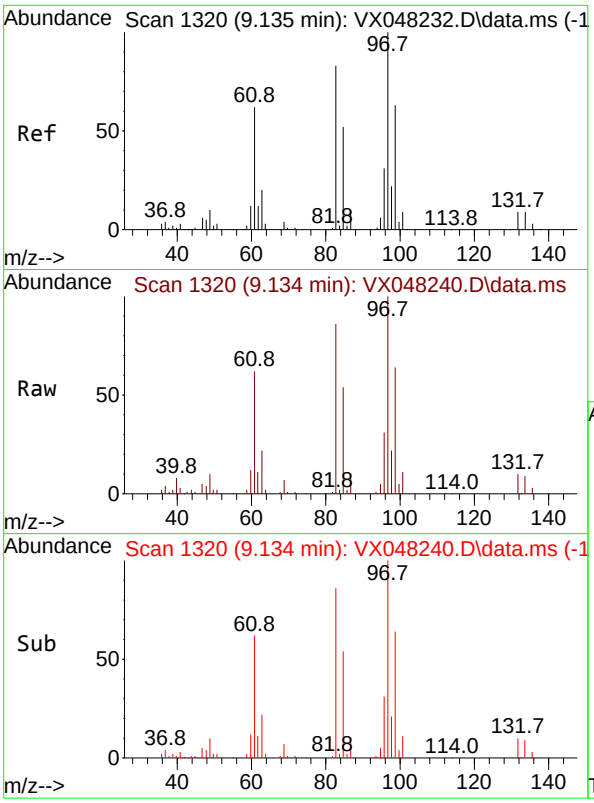



#54
cis-1,3-Dichloropropene
Concen: 18.953 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 75 Resp: 49253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.0 | 24.9 | 37.3 |
| 39 | 54.3 | 42.6 | 64.0 |

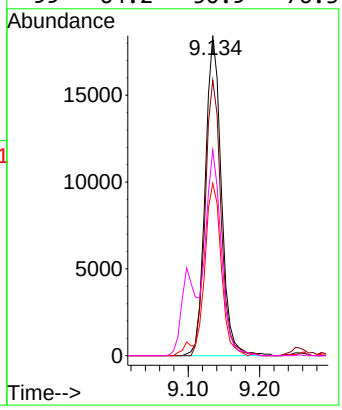





#55
1,1,2-Trichloroethane
Concen: 19.537 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 97 Resp: 2884

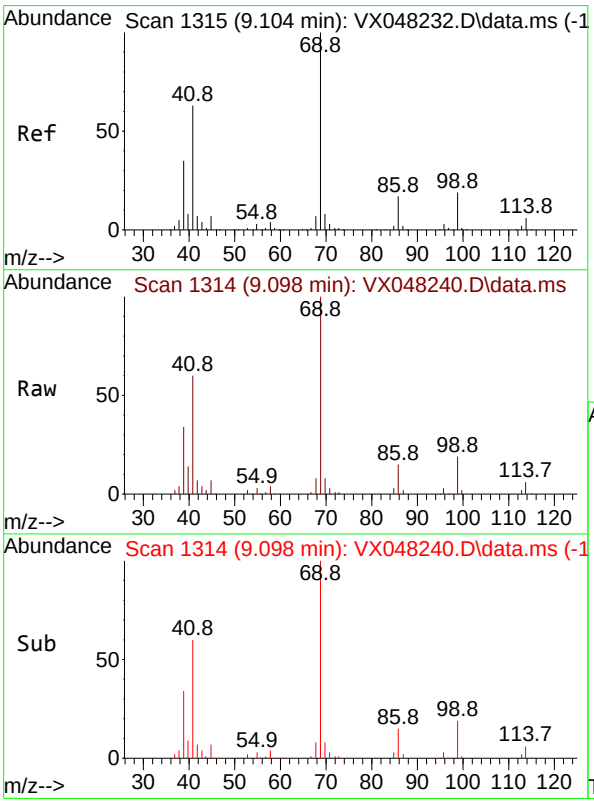
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.1 | 70.6 | 105.8 |
| 85 | 53.8 | 45.0 | 67.6 |
| 99 | 64.2 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

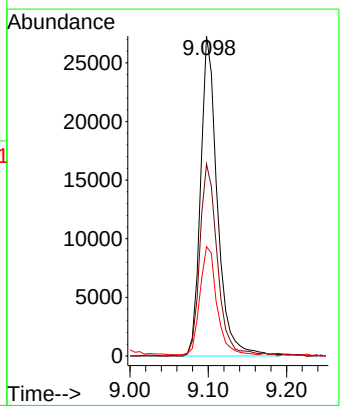
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

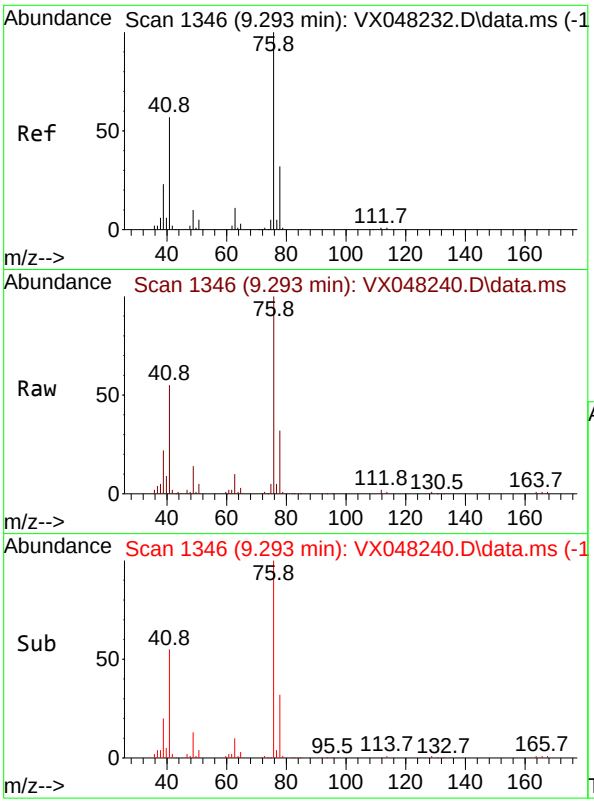



#56
Ethyl methacrylate
Concen: 18.774 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 69 Resp: 40543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.0 | 56.0 | 84.0 |
| 39 | 34.2 | 31.6 | 47.4 |

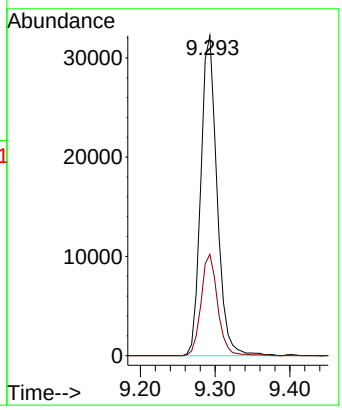





#57
1,3-Dichloropropane
Concen: 19.277 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 76 Resp: 4861

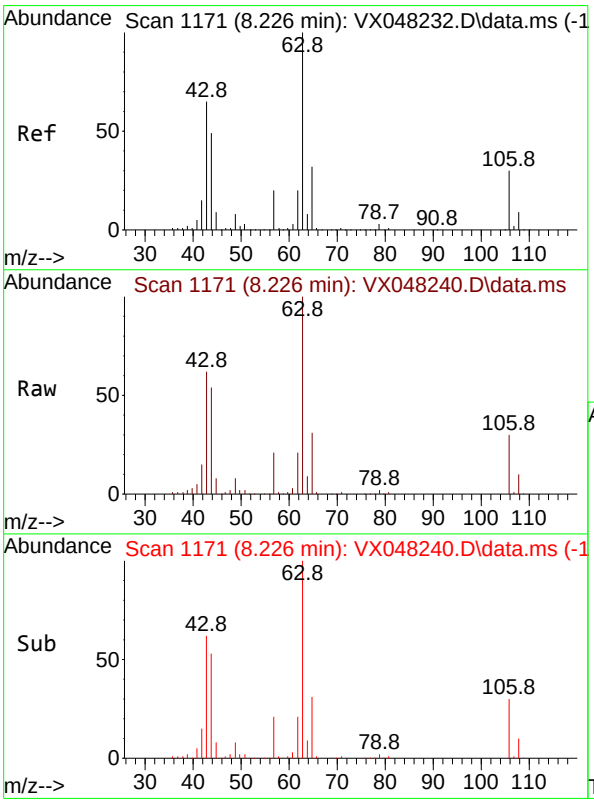
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.4 | 38.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

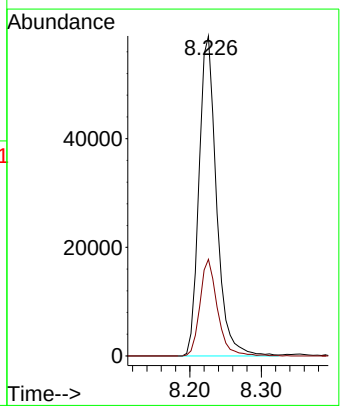
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

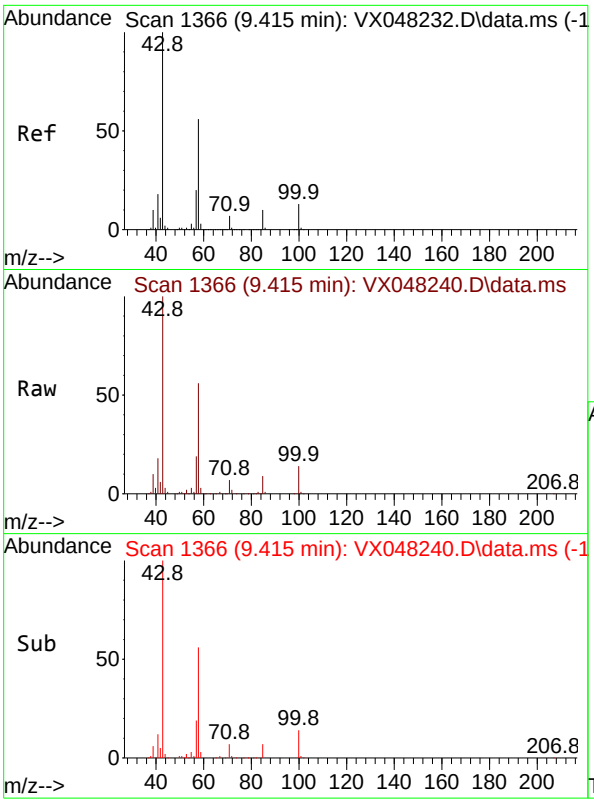



#58
2-Chloroethyl Vinyl ether
Concen: 87.448 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 63 Resp: 100252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.1 | 22.2 | 33.2 |






#59
2-Hexanone
Concen: 94.586 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

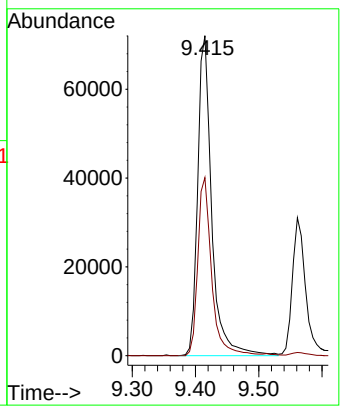
Tgt Ion: 43 Resp: 11144

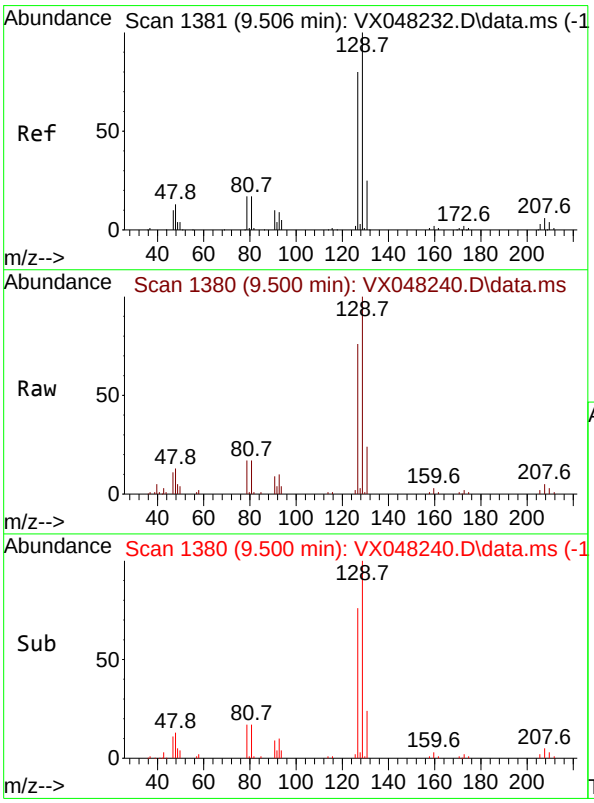
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.7 | 26.3 | 78.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

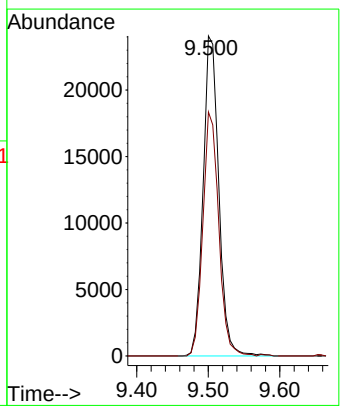


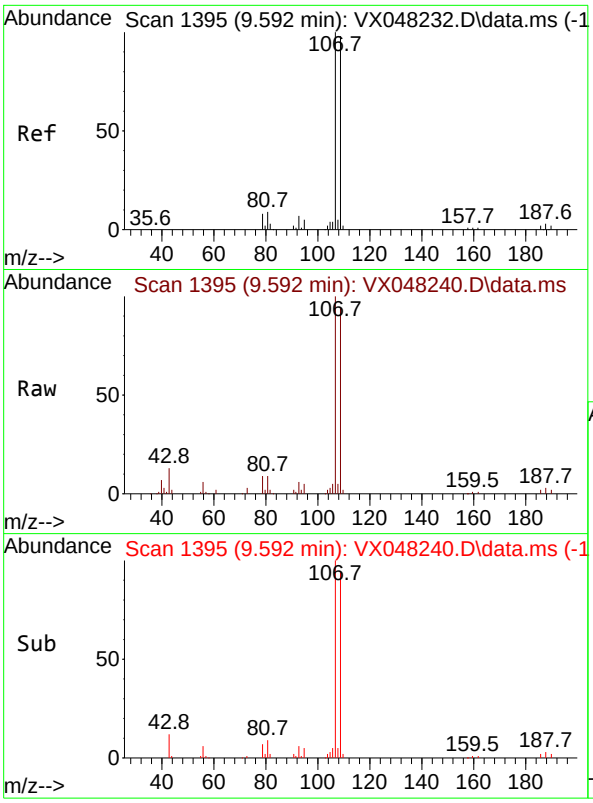




#60
Dibromochloromethane
Concen: 18.502 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:129 Resp: 36715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.0 | 38.6 | 115.7 |

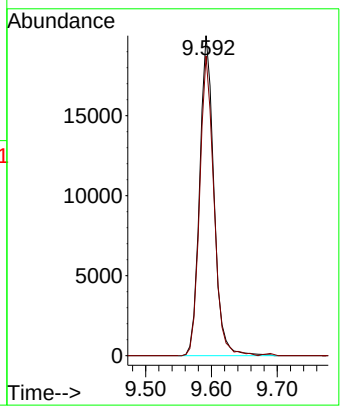





#61
1,2-Dibromoethane
Concen: 19.146 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:107 Resp: 3013

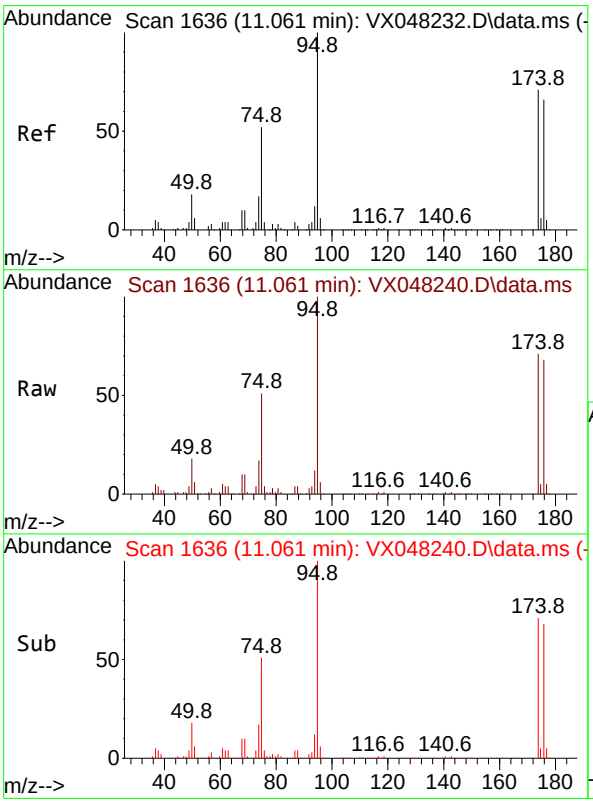
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.4 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

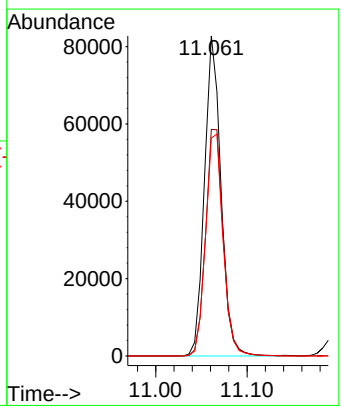
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

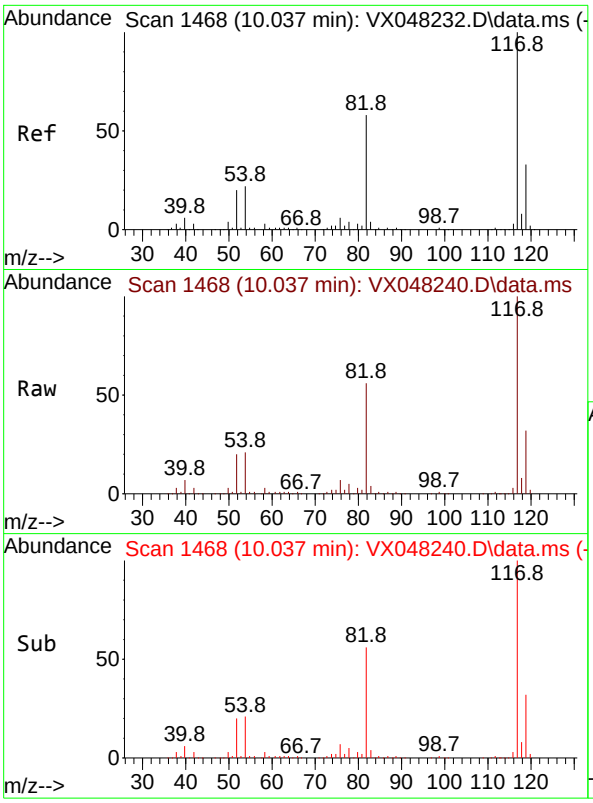



#62
4-Bromofluorobenzene
Concen: 51.072 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 95 Resp: 103135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.5 | 0.0 | 147.8 |
| 176 | 73.8 | 0.0 | 142.8 |

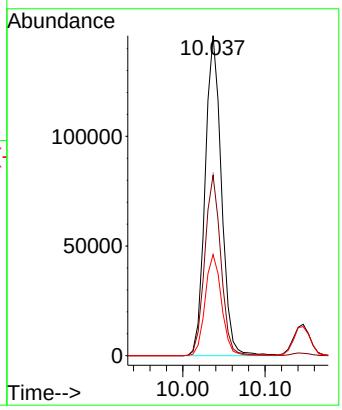





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:117 Resp: 20051

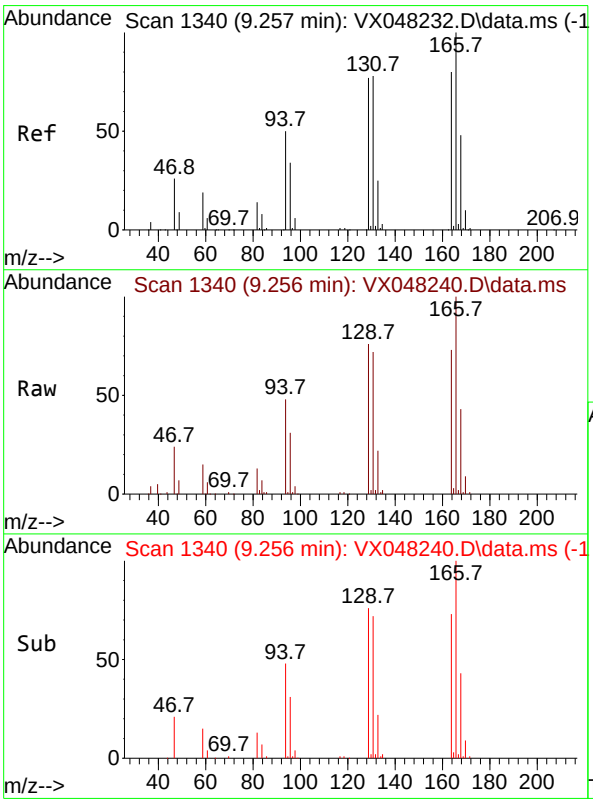
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 46.5 | 69.7 |
| 119 | 31.6 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

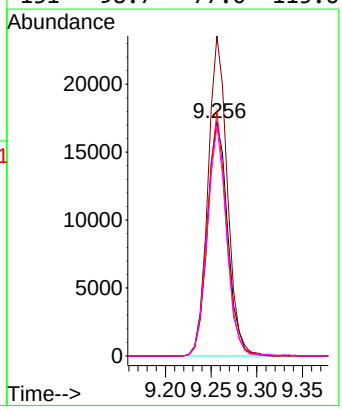
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

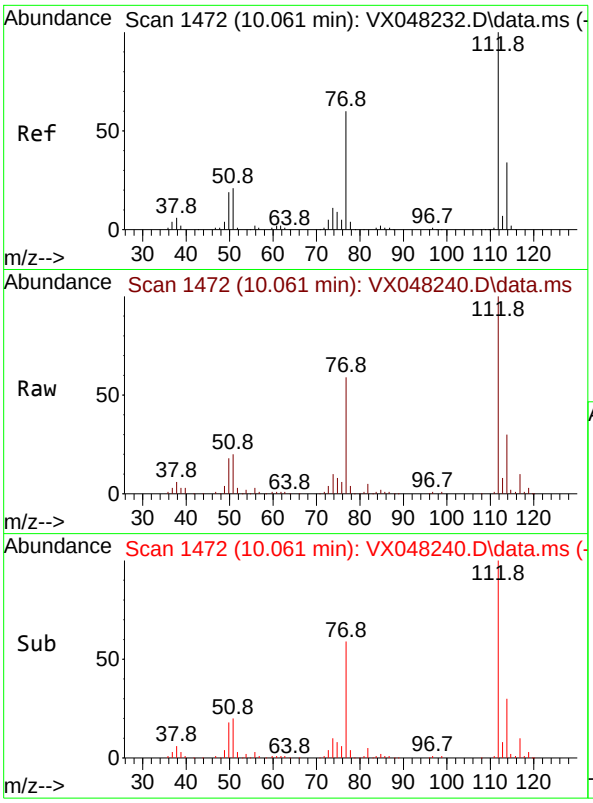



#64
Tetrachloroethene
Concen: 17.678 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:164 Resp: 26462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 137.1 | 104.5 | 156.7 |
| 129 | 104.4 | 81.8 | 122.6 |
| 131 | 98.7 | 77.0 | 115.6 |

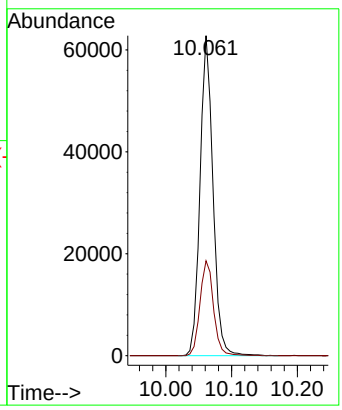





#65
Chlorobenzene
Concen: 19.036 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:112 Resp: 8586

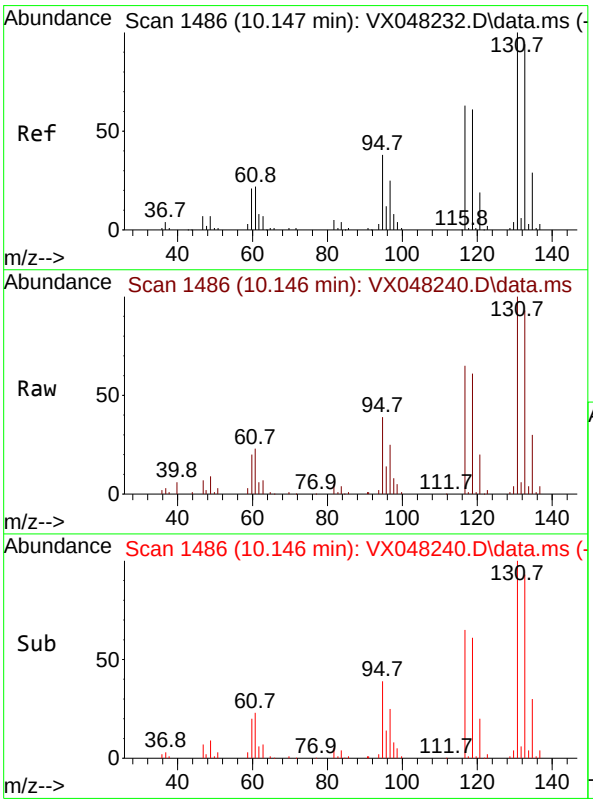
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 29.7 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

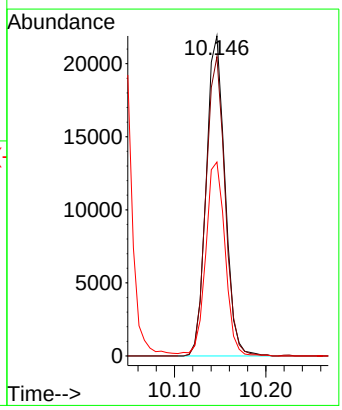
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

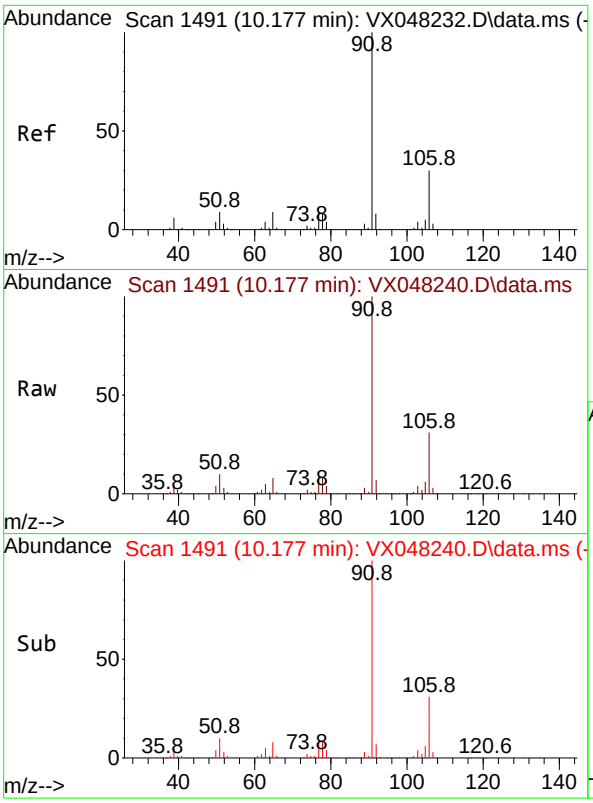



#66
1,1,1,2-Tetrachloroethane
Concen: 18.790 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:131 Resp: 31130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.6 | 47.6 | 142.8 |
| 119 | 62.5 | 32.5 | 97.5 |

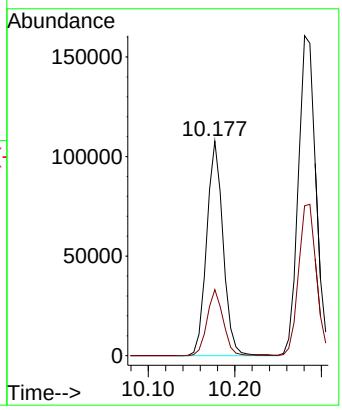





#67
Ethyl Benzene
Concen: 18.464 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 91 Resp: 14179

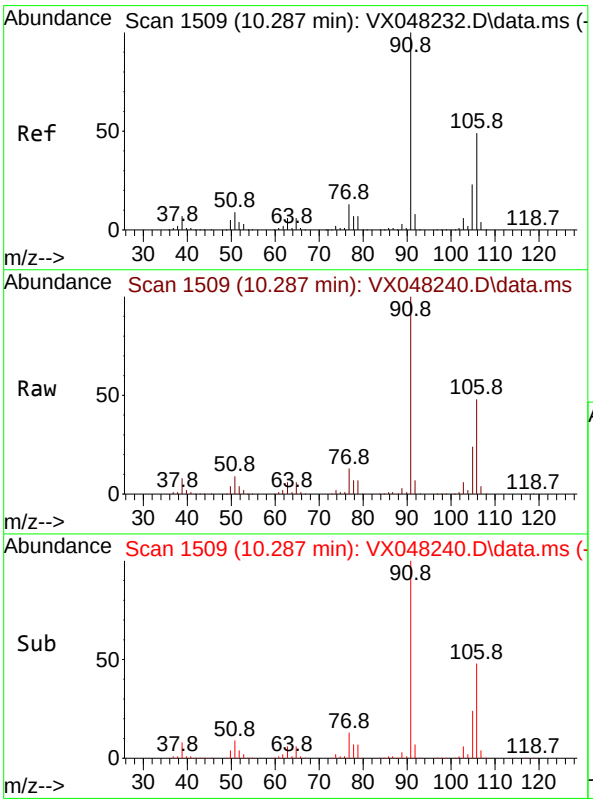
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.8 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

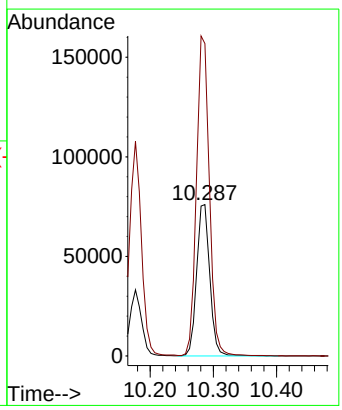
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

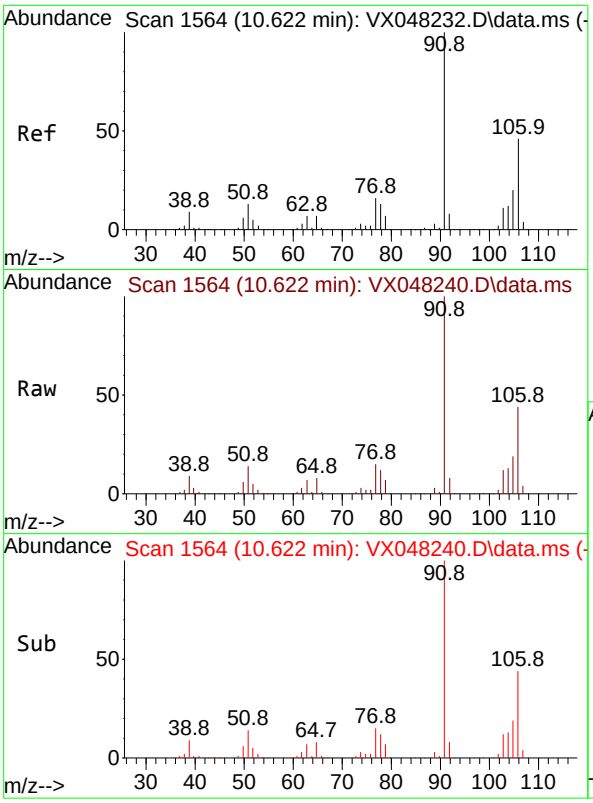



#68
m/p-Xylenes
Concen: 38.506 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:106 Resp: 109872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.6 | 167.9 | 251.9 |

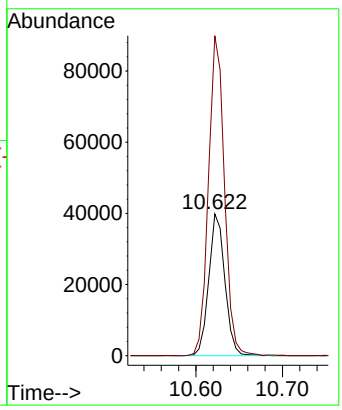





#69
o-Xylene
Concen: 18.685 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:106 Resp: 5147

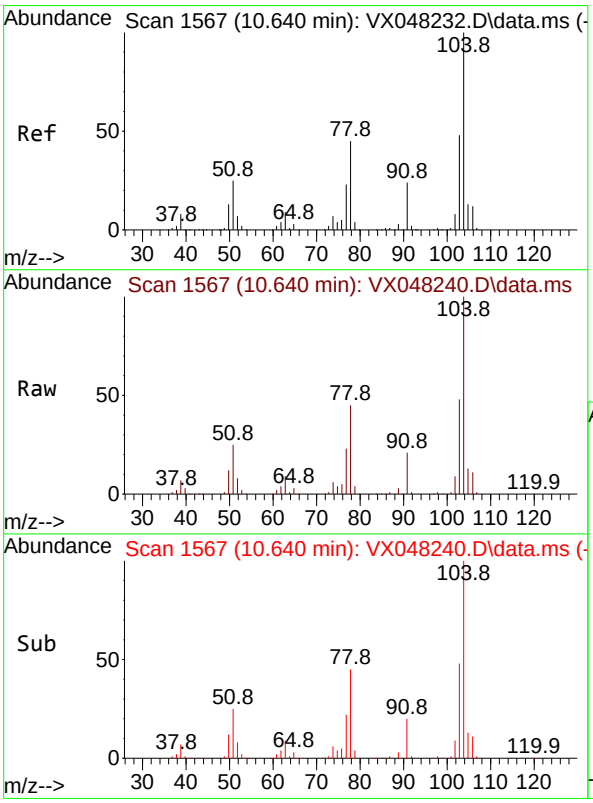
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.6 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

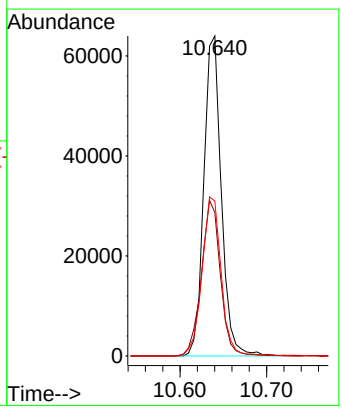
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

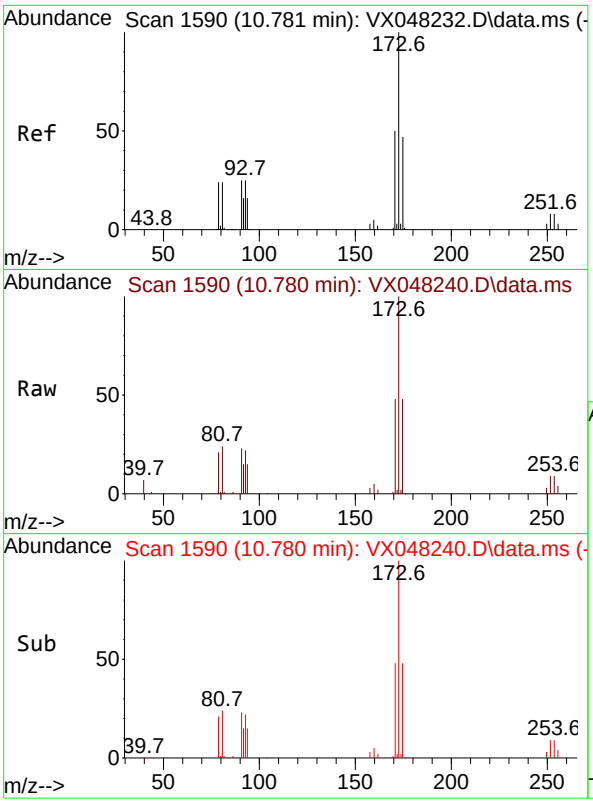



#70
Styrene
Concen: 19.141 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:104 Resp: 89782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.8 | 42.2 | 63.4 |
| 103 | 54.4 | 43.0 | 64.4 |

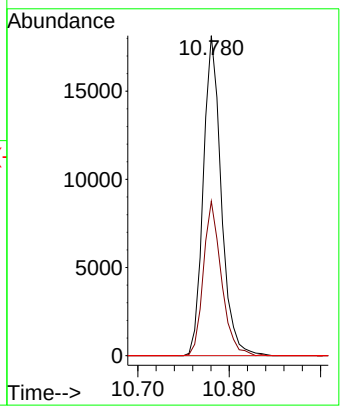





#71
Bromoform
Concen: 18.645 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:173 Resp: 2468

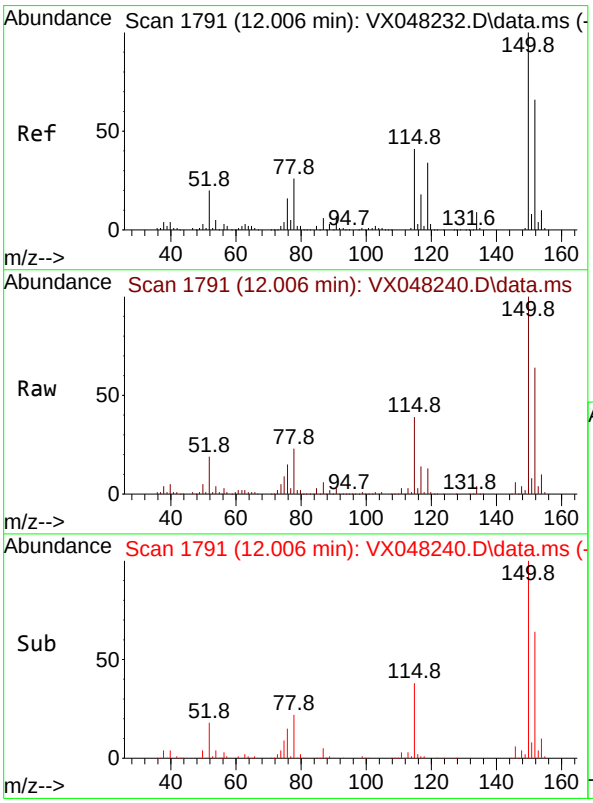
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

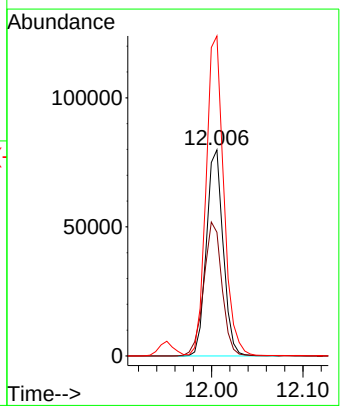
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

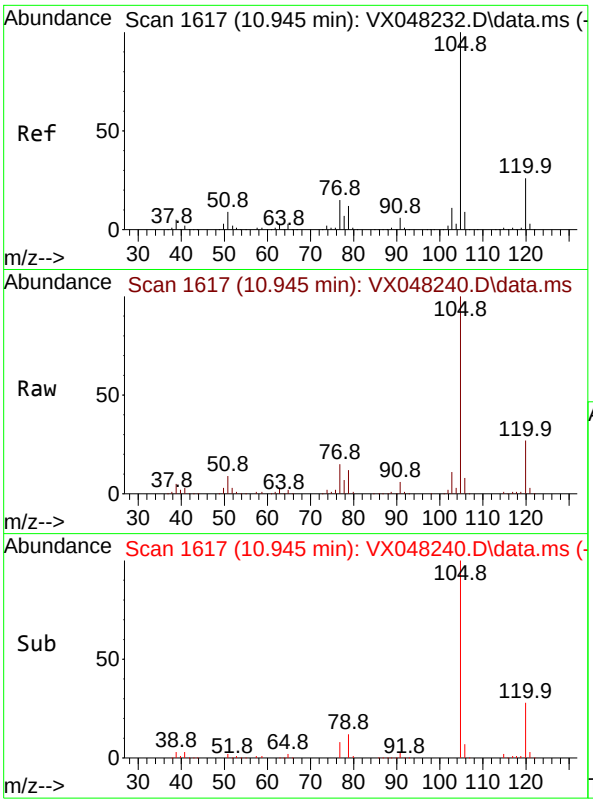



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:152 Resp: 101575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.4 | 43.1 | 129.4 |
| 150 | 163.3 | 0.0 | 353.0 |

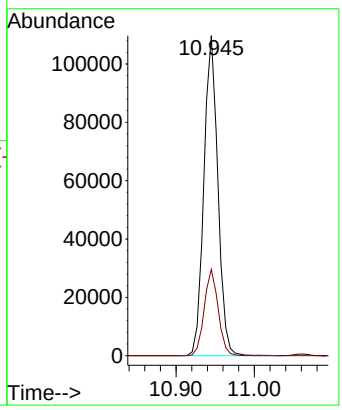





#73
Isopropylbenzene
Concen: 18.256 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:105 Resp: 13544

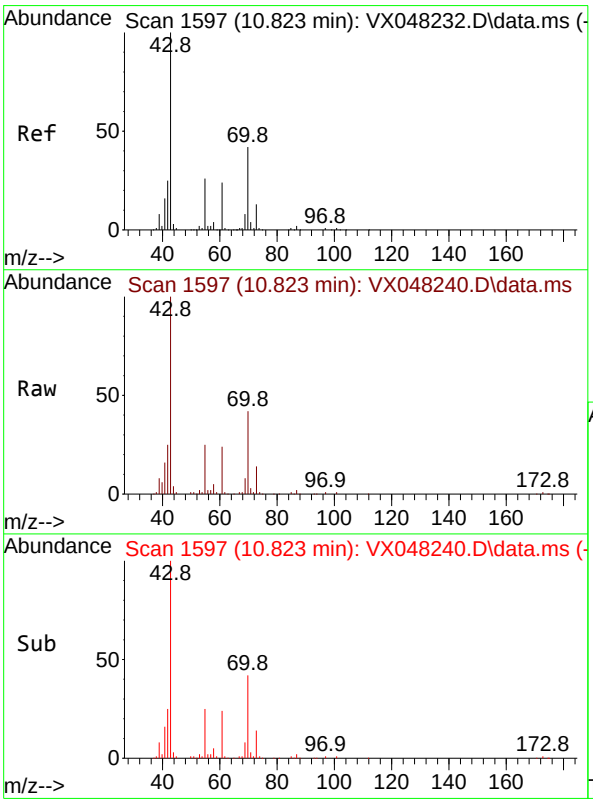
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.8 | 13.0 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

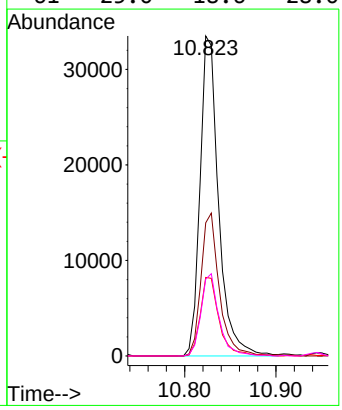
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

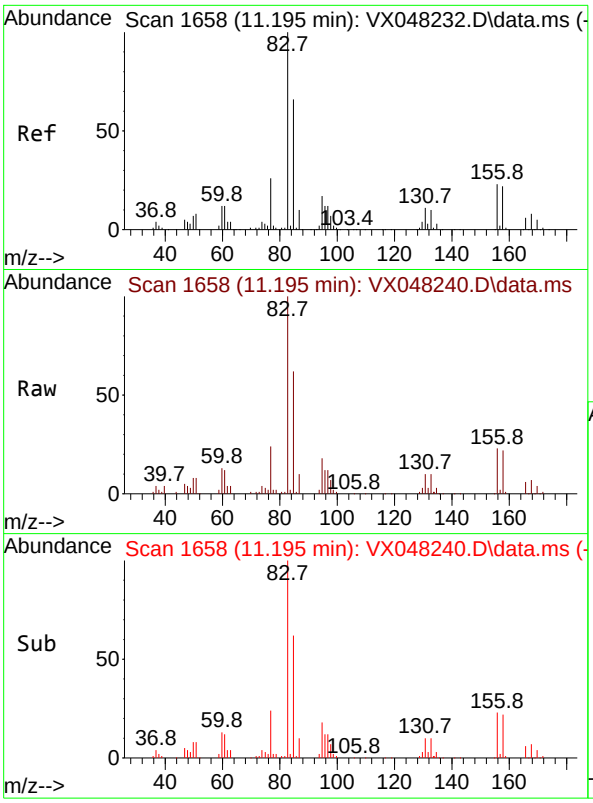



#74
N-amyl acetate
Concen: 17.942 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 43 Resp: 47216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.5 | 32.2 | 48.2 |
| 55 | 25.0 | 19.1 | 28.7 |
| 61 | 25.0 | 18.6 | 28.0 |






#75
1,1,2,2-Tetrachloroethane
Concen: 18.992 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

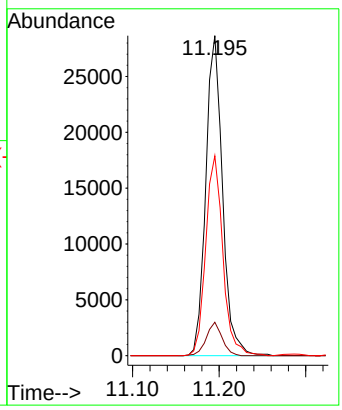
Tgt Ion: 83 Resp: 3847

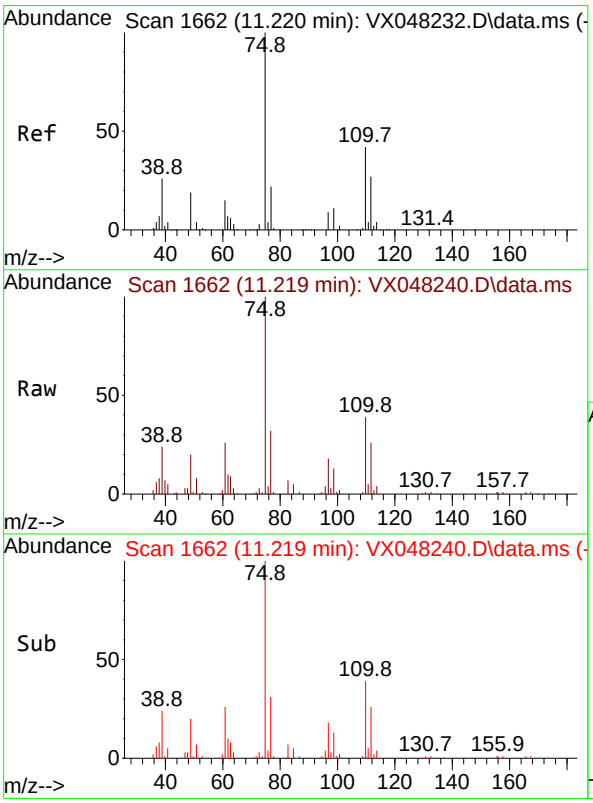
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 4.8 | 14.4 |
| 85 | 64.2 | 31.9 | 95.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

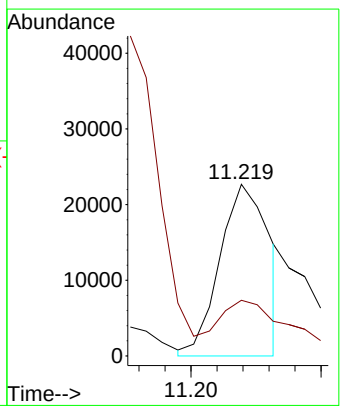


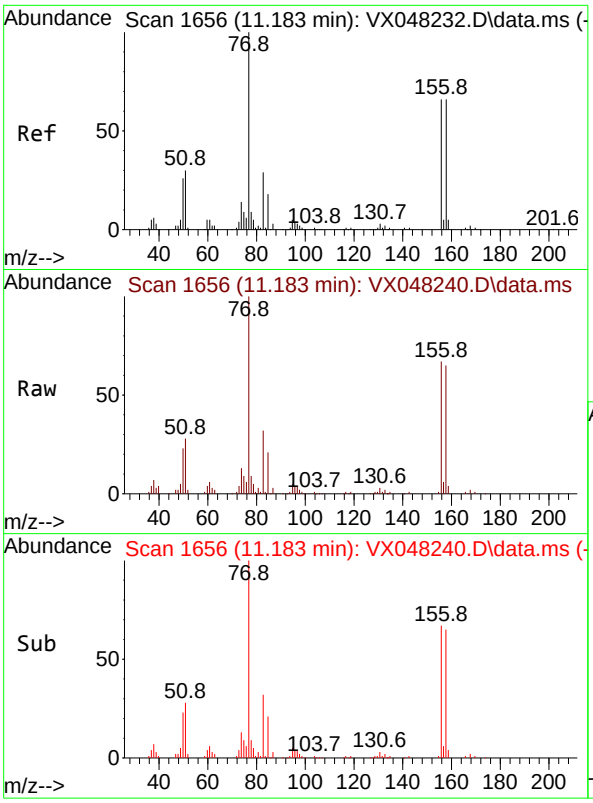




#76
1,2,3-Trichloropropane
Concen: 18.197 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 75 Resp: 29974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 47.6 | 22.4 | 67.2 |

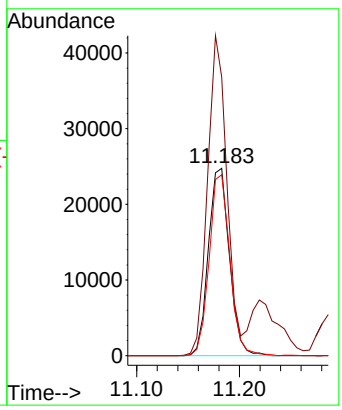





#77
Bromobenzene
Concen: 18.883 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:156 Resp: 3512

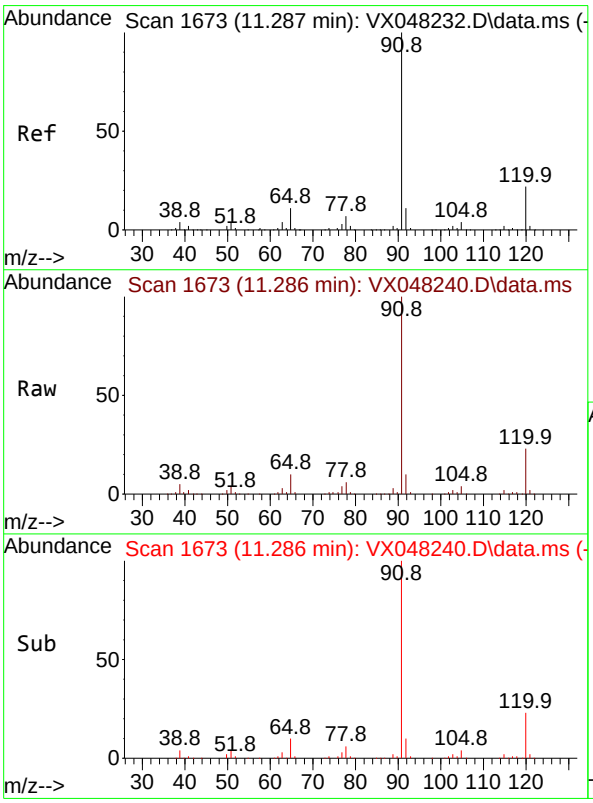
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 156.7 | 87.0 | 261.0 |
| 158 | 94.9 | 47.8 | 143.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

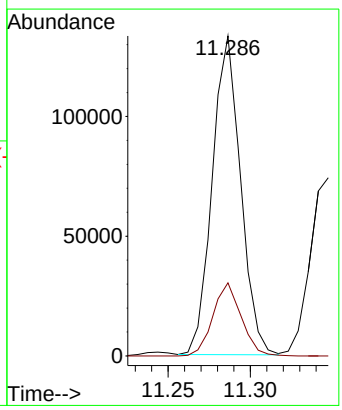
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

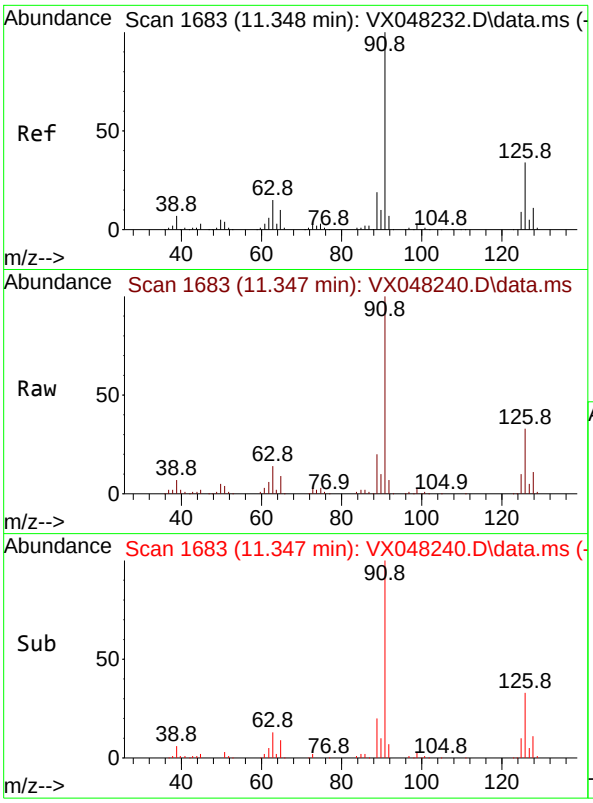



#78
n-propylbenzene
Concen: 18.563 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 91 Resp: 159455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.1 | 33.1 |

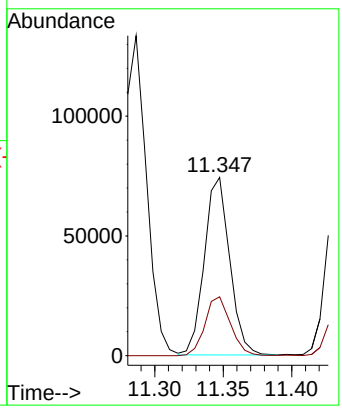





#79
2-Chlorotoluene
Concen: 18.331 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 91 Resp: 9546

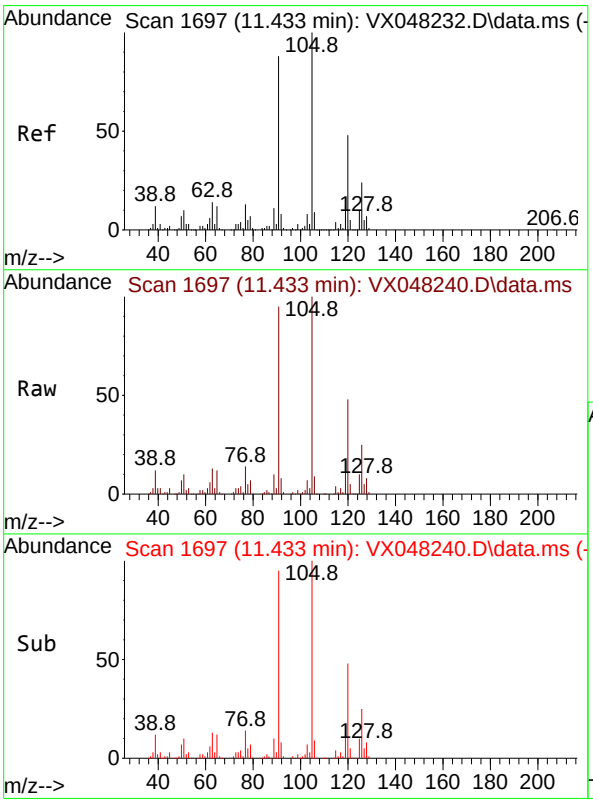
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.5 | 16.4 | 49.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

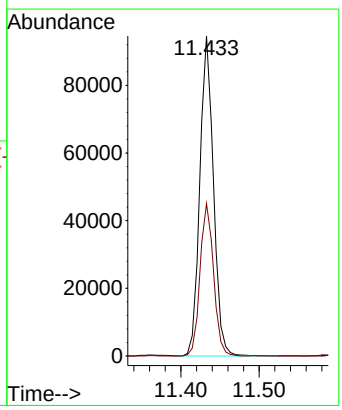
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

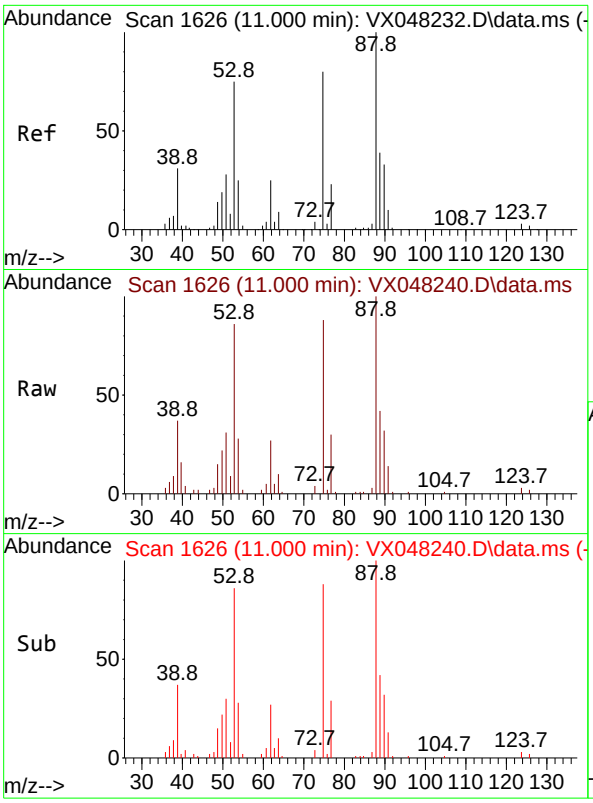



#80
1,3,5-Trimethylbenzene
Concen: 18.597 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:105 Resp: 114180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.2 | 24.0 | 72.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 16.997 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

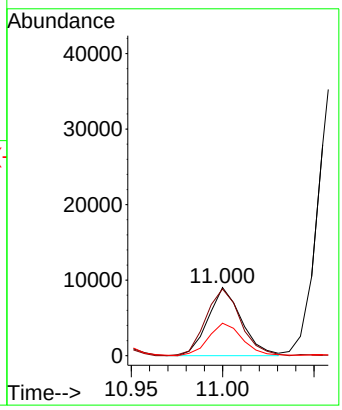
Tgt Ion: 75 Resp: 1150

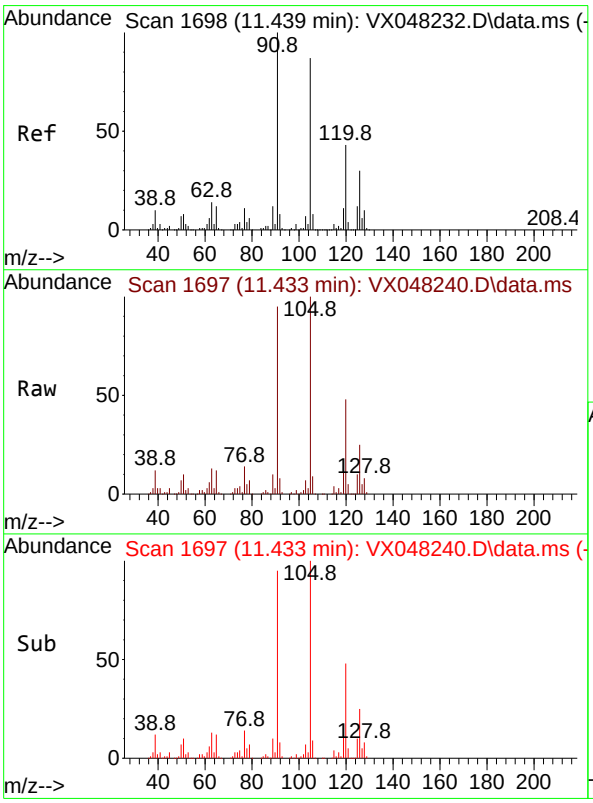
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 101.6 | 79.5 | 119.3 |
| 89 | 48.5 | 36.8 | 55.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

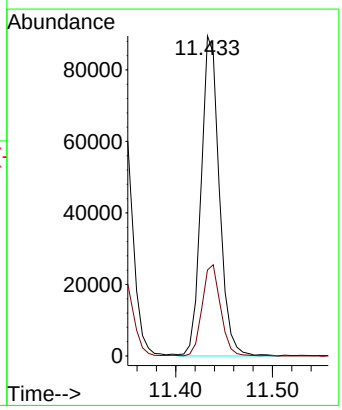


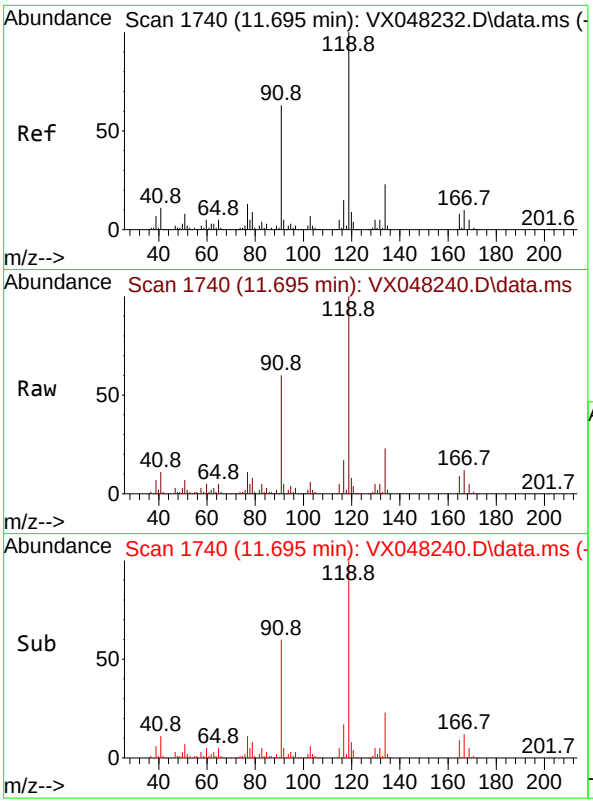




#82
4-Chlorotoluene
Concen: 18.938 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 91 Resp: 117079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.9 | 14.1 | 42.4 |

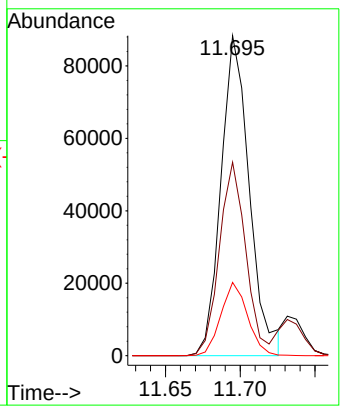





#83
tert-Butylbenzene
Concen: 18.471 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:119 Resp: 11652

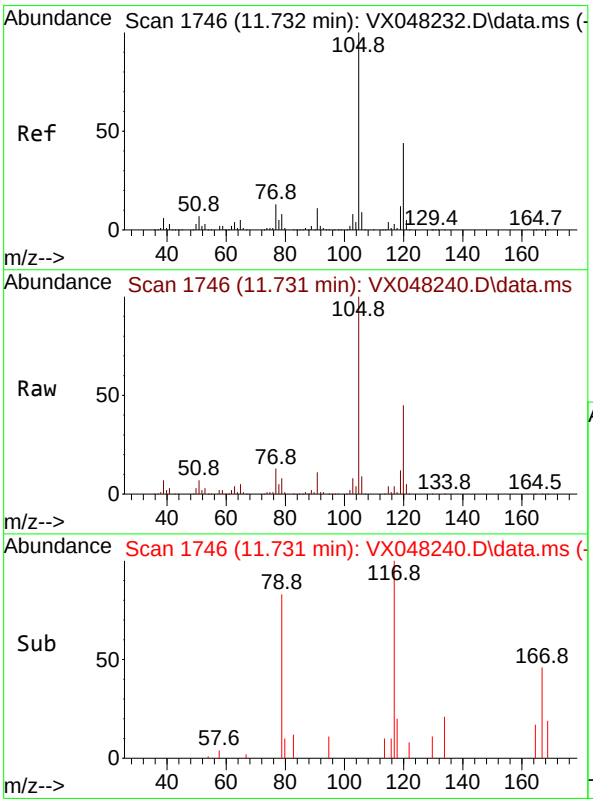
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 56.6 | 30.3 | 91.0 |
| 134 | 21.7 | 11.4 | 34.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

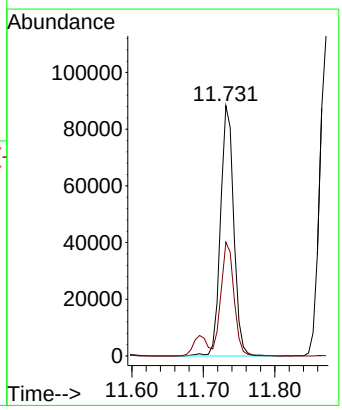
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

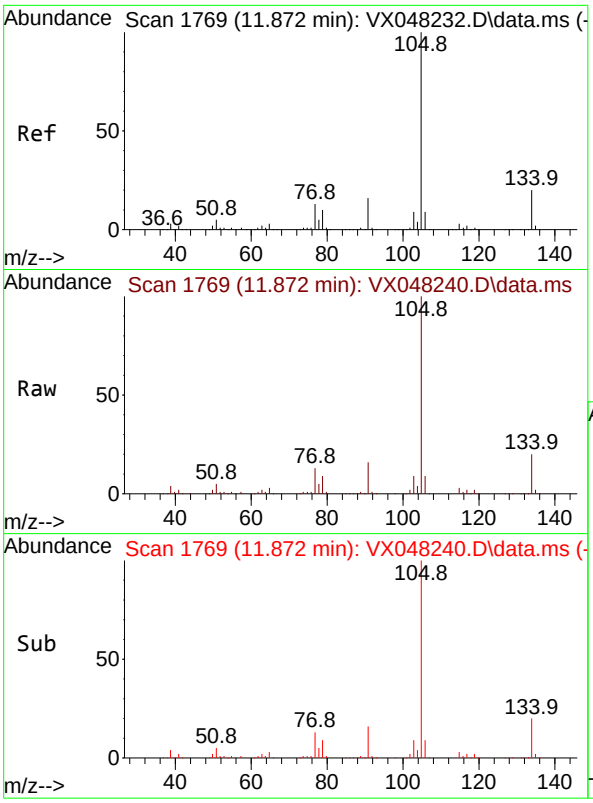



#84
1,2,4-Trimethylbenzene
Concen: 18.509 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:105 Resp: 113408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.5 | 22.1 | 66.5 |






#85
sec-Butylbenzene
Concen: 18.036 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

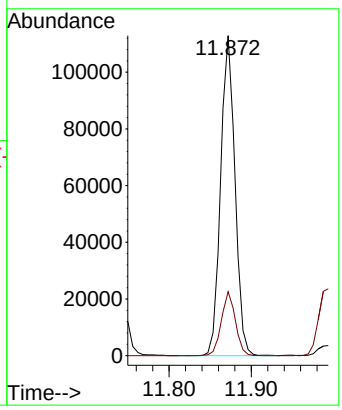
Tgt Ion:105 Resp: 13688

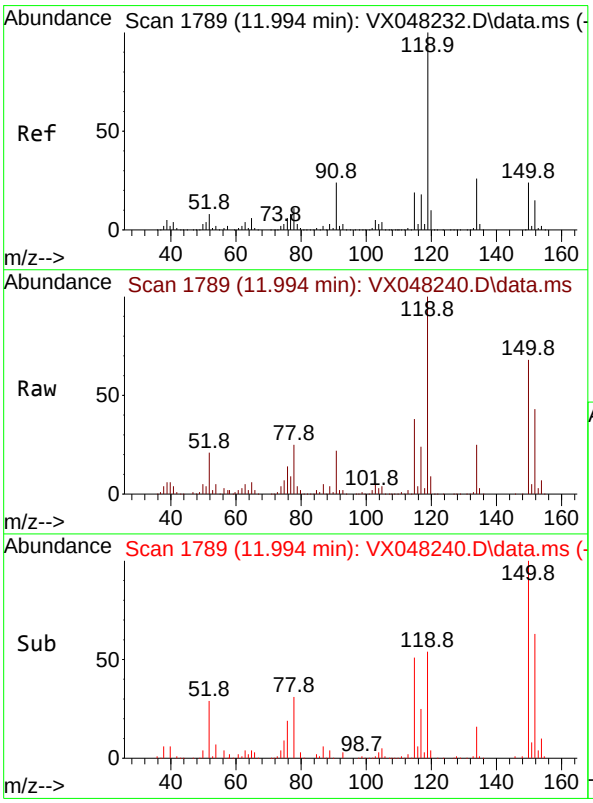
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.6 | 10.1 | 30.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

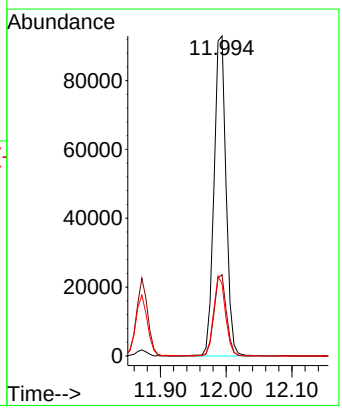


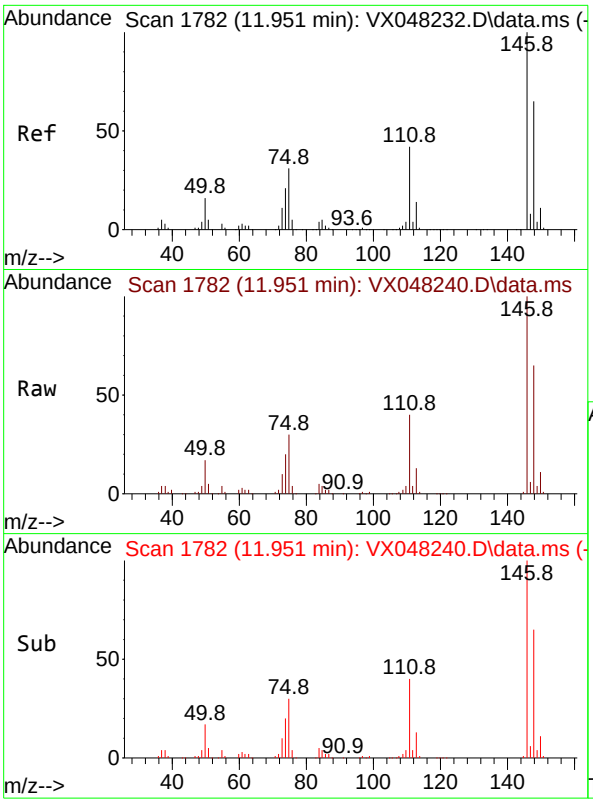




#86
p-Isopropyltoluene
Concen: 18.053 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:119 Resp: 118427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 13.0 | 39.0 |
| 91 | 24.5 | 12.1 | 36.3 |

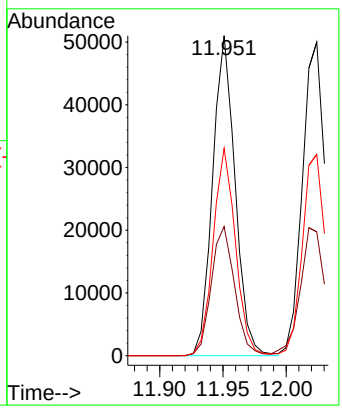





#87
1,3-Dichlorobenzene
Concen: 17.970 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:146 Resp: 6301

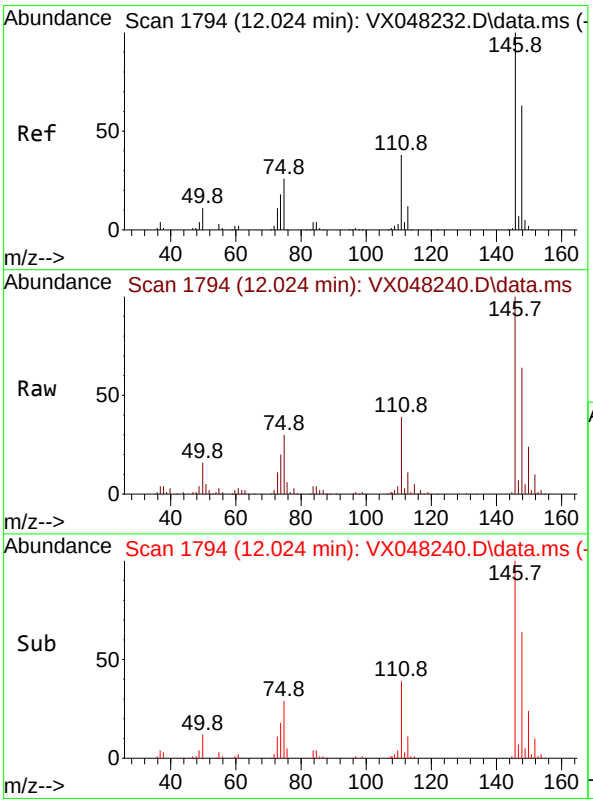
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.9 | 20.4 | 61.2 |
| 148 | 64.3 | 31.9 | 95.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

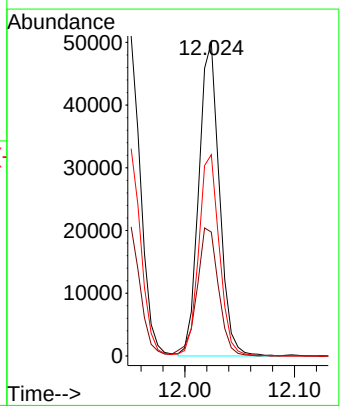
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

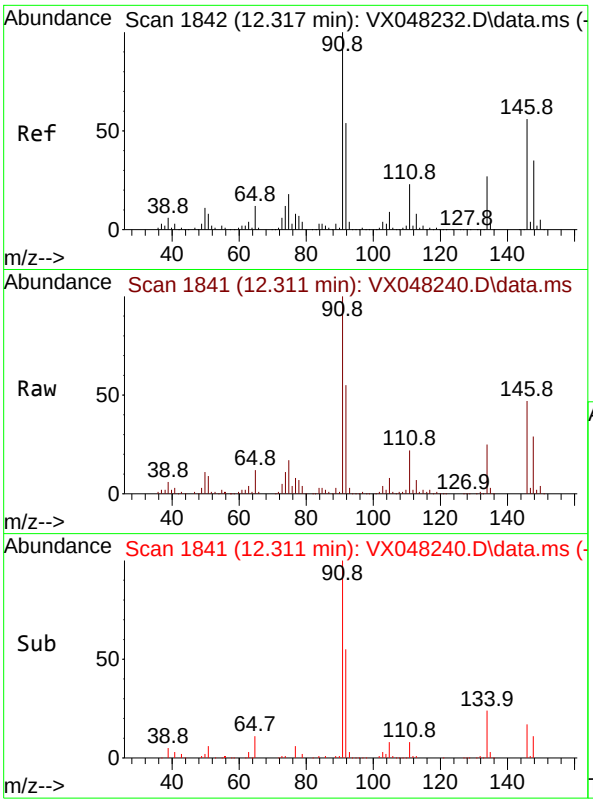



#88
1,4-Dichlorobenzene
Concen: 17.912 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:146 Resp: 65076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.9 | 20.1 | 60.2 |
| 148 | 64.3 | 31.8 | 95.3 |

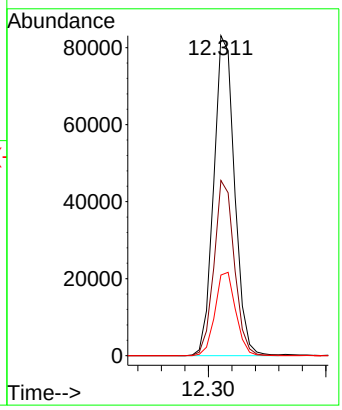





#89
n-Butylbenzene
Concen: 17.110 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 91 Resp: 10216

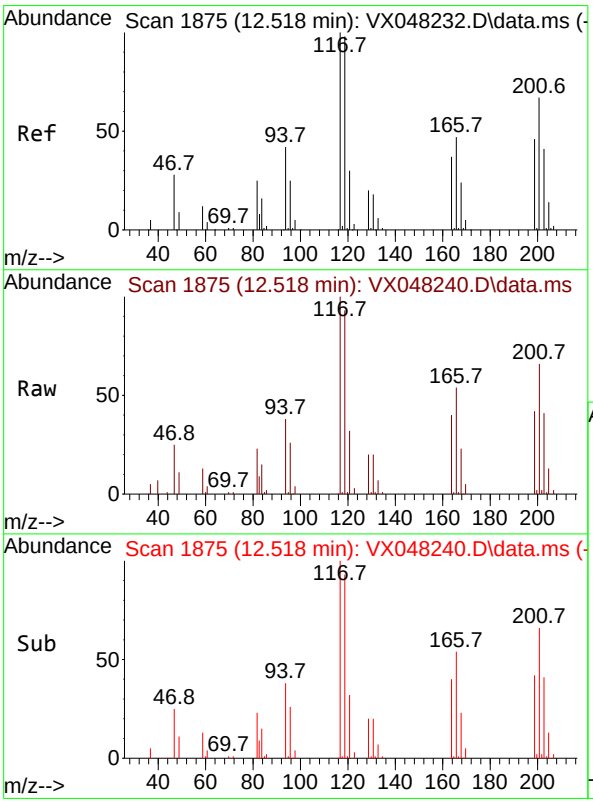
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 26.9 | 80.6 |
| 134 | 26.0 | 12.7 | 38.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

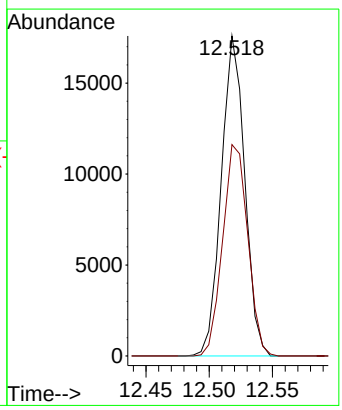
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

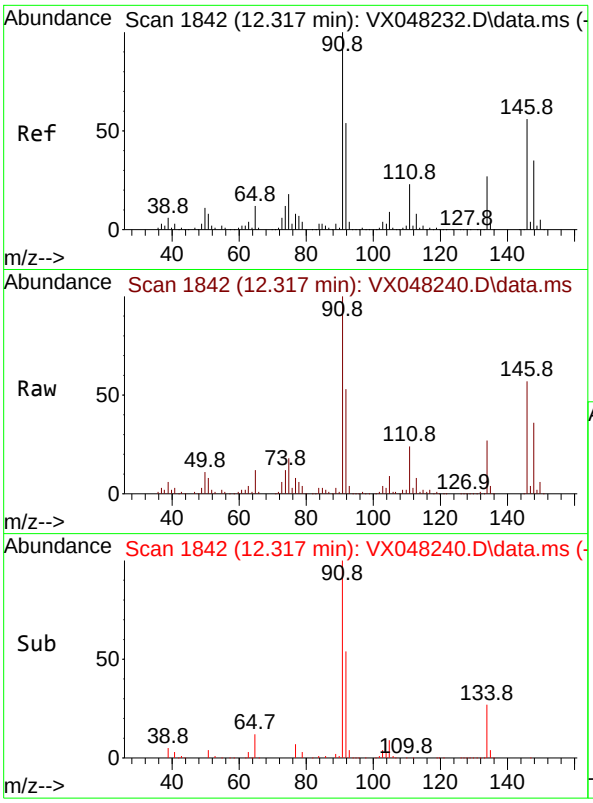



#90
Hexachloroethane
Concen: 17.480 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:117 Resp: 22644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.8 | 34.1 | 102.2 |

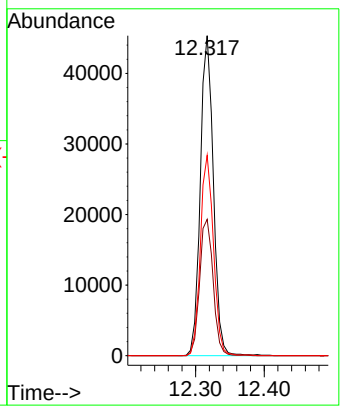





#91
1,2-Dichlorobenzene
Concen: 18.277 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:146 Resp: 6018

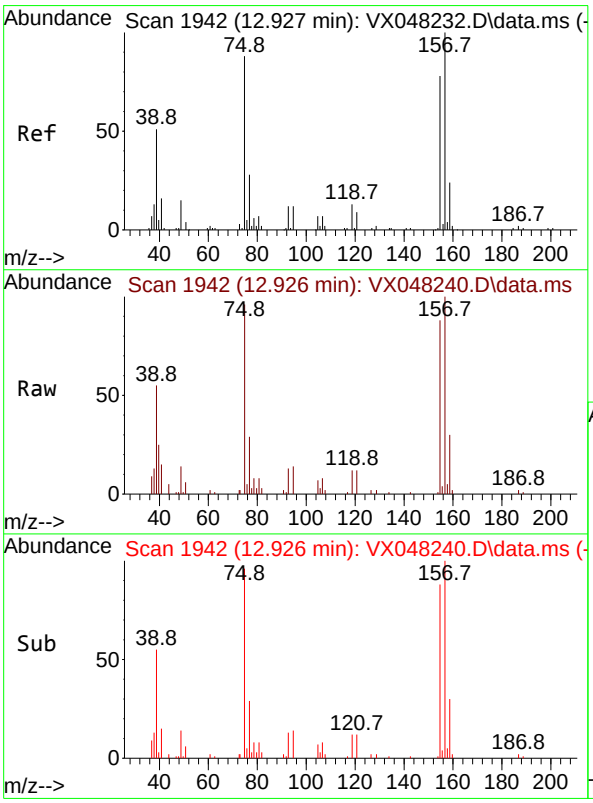
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 21.9 | 65.5 |
| 148 | 62.9 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

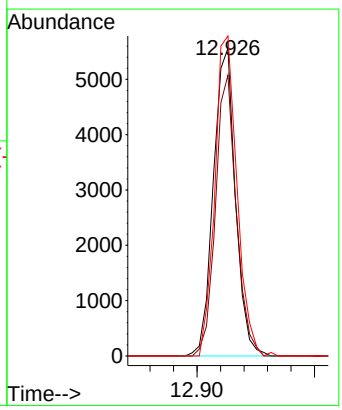
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

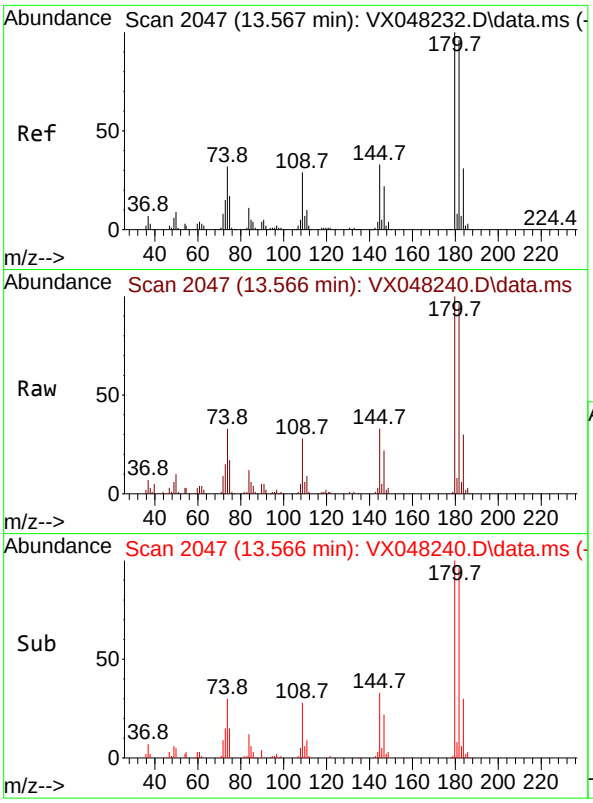



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.612 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 75 Resp: 7243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.1 | 42.8 | 128.4 |
| 157 | 104.5 | 54.2 | 162.6 |

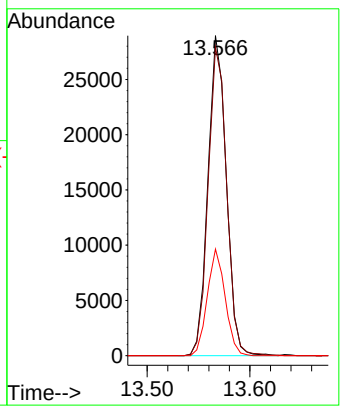





#93
1,2,4-Trichlorobenzene
Concen: 16.119 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:180 Resp: 3589

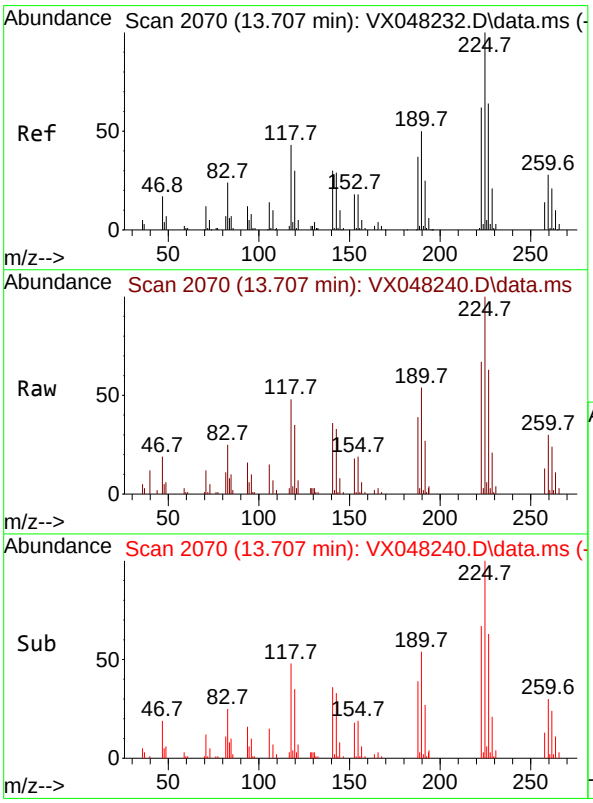
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.5 | 47.3 | 142.0 |
| 145 | 32.5 | 16.3 | 48.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations APPROVED**

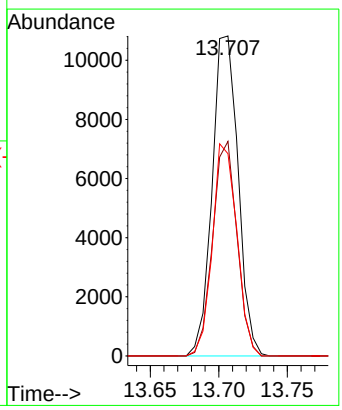
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

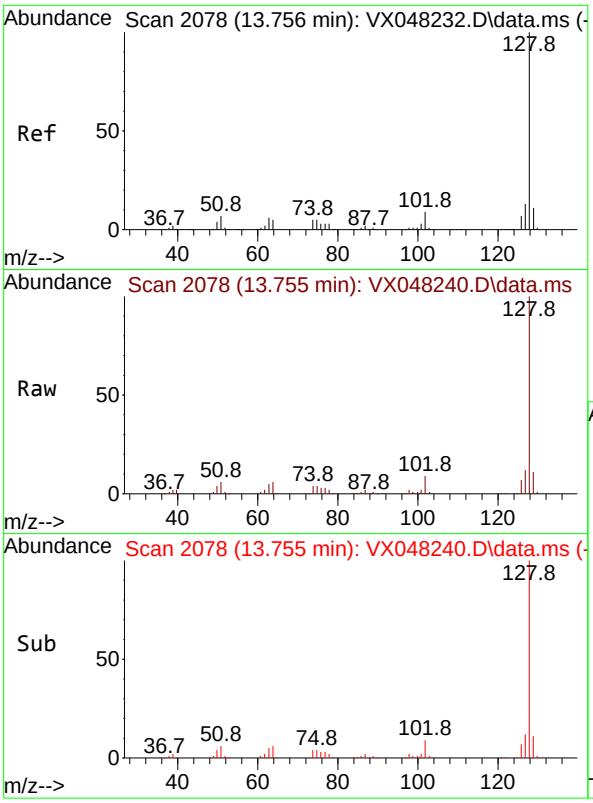



#94
Hexachlorobutadiene
Concen: 17.115 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:225 Resp: 14244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.9 | 32.6 | 97.7 |
| 227 | 62.7 | 32.5 | 97.4 |

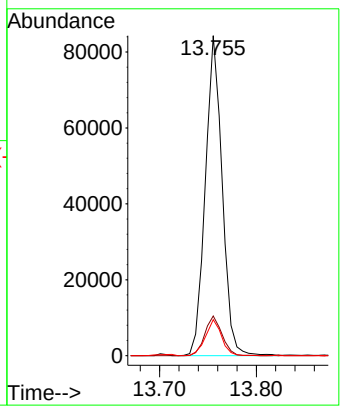





#95
Naphthalene
Concen: 17.342 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:128 Resp: 10230

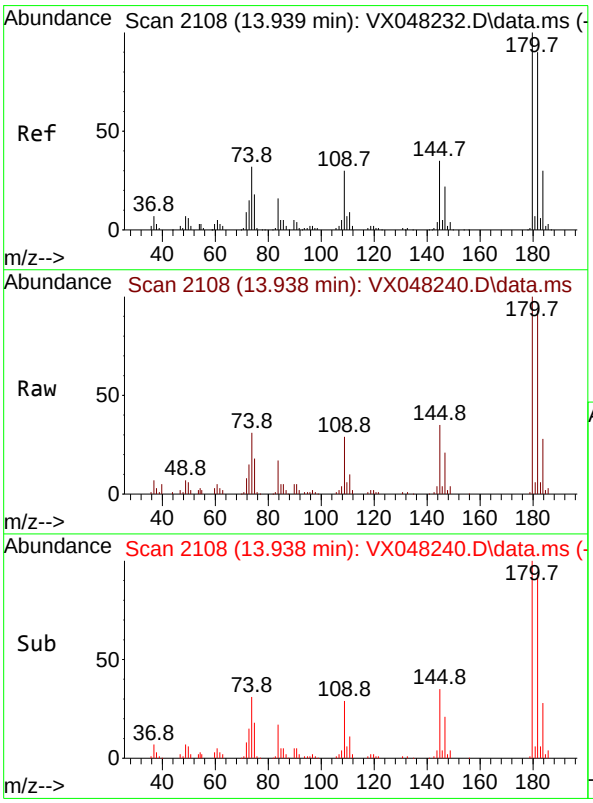
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.4 |
| 129 | 10.8 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

**Manual Integrations**
**APPROVED**

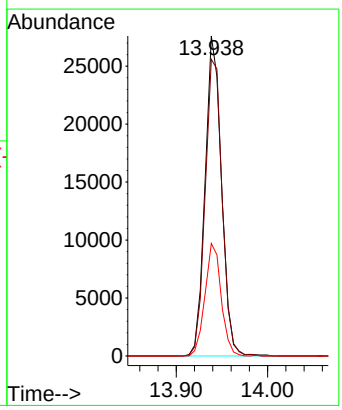
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 16.802 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:180 Resp: 34331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 46.6 | 139.7 |
| 145 | 34.8 | 16.9 | 50.7 |



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: | VX1021WBS01 | SDG No.: | Q3371 |
| Lab Sample ID: | VX1021WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 16.8 | | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 74-87-3 | Chloromethane | 17.8 | | 1 | 0.32 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 75-01-4 | Vinyl Chloride | 17.6 | | 1 | 0.26 | 0.75 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 74-83-9 | Bromomethane | 19.3 | | 1 | 1.40 | 3.80 | 5.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 75-00-3 | Chloroethane | 18.9 | | 1 | 0.47 | 0.75 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 75-69-4 | Trichlorofluoromethane | 17.7 | | 1 | 0.33 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 17.6 | | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 75-35-4 | 1,1-Dichloroethene | 18.0 | | 1 | 0.23 | 0.75 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 67-64-1 | Acetone | 82.3 | | 1 | 1.50 | 3.80 | 5.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 75-15-0 | Carbon Disulfide | 16.6 | | 1 | 0.21 | 0.75 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 1634-04-4 | Methyl tert-butyl Ether | 17.6 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 79-20-9 | Methyl Acetate | 17.5 | | 1 | 0.27 | 0.75 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 75-09-2 | Methylene Chloride | 19.1 | | 1 | 0.28 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 156-60-5 | trans-1,2-Dichloroethene | 17.9 | | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 75-34-3 | 1,1-Dichloroethane | 18.4 | | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 110-82-7 | Cyclohexane | 19.2 | | 1 | 1.50 | 2.50 | 5.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 78-93-3 | 2-Butanone | 85.2 | | 1 | 0.98 | 2.50 | 5.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 56-23-5 | Carbon Tetrachloride | 17.0 | | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 156-59-2 | cis-1,2-Dichloroethene | 18.9 | | 1 | 0.19 | 0.75 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 74-97-5 | Bromochloromethane | 21.6 | | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 67-66-3 | Chloroform | 18.8 | | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 71-55-6 | 1,1,1-Trichloroethane | 18.1 | | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 108-87-2 | Methylcyclohexane | 17.0 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 71-43-2 | Benzene | 18.5 | | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 107-06-2 | 1,2-Dichloroethane | 19.1 | | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 79-01-6 | Trichloroethene | 18.1 | | 1 | 0.090 | 0.75 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 78-87-5 | 1,2-Dichloropropane | 19.3 | | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 75-27-4 | Bromodichloromethane | 18.6 | | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 108-10-1 | 4-Methyl-2-Pentanone | 86.9 | | 1 | 0.68 | 2.50 | 5.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 108-88-3 | Toluene | 18.8 | | 1 | 0.14 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 10061-02-6 | t-1,3-Dichloropropene | 18.4 | | 1 | 0.17 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 10061-01-5 | cis-1,3-Dichloropropene | 18.8 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 79-00-5 | 1,1,2-Trichloroethane | 19.1 | | 1 | 0.21 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 591-78-6 | 2-Hexanone | 85.9 | | 1 | 0.89 | 2.50 | 5.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 124-48-1 | Dibromochloromethane | 18.1 | | 1 | 0.18 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 106-93-4 | 1,2-Dibromoethane | 18.6 | | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 127-18-4 | Tetrachloroethene | 16.9 | | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 108-90-7 | Chlorobenzene | 18.0 | | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 100-41-4 | Ethyl Benzene | 17.8 | | 1 | 0.13 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 179601-23-1 | m/p-Xylenes | 36.8 | | 1 | 0.24 | 1.00 | 2.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 95-47-6 | o-Xylene | 18.1 | | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 100-42-5 | Styrene | 18.8 | | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 75-25-2 | Bromoform | 17.0 | | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |

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: | VX1021WBS01 | SDG No.: | Q3371 |
| Lab Sample ID: | VX1021WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 17.1 | | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 17.3 | | 1 | 0.26 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 541-73-1 | 1,3-Dichlorobenzene | 17.2 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 106-46-7 | 1,4-Dichlorobenzene | 16.6 | | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 95-50-1 | 1,2-Dichlorobenzene | 17.2 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 14.2 | | 1 | 0.53 | 0.75 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 15.2 | | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 15.5 | | 1 | 0.20 | 0.75 | 1.00 | ug/L | 10/21/25 10:06 | VX102125 |
| **SURROGATES** | | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.2 | | | 81 - 118 | | 98% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 49.3 | | | 80 - 119 | | 99% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 47.8 | | | 89 - 112 | | 96% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 49.7 | | | 85 - 114 | | 99% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 141000 | | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 230000 | | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 212000 | | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 111000 | | | | | | | | |

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\VX102125\
Data File : VX048255.D
Acq On : 21 Oct 2025 10:06
Operator : JC/MD
Sample : VX1021WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 04:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 141199 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.738 | 114 | 230109 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 212342 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 110789 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 97363 | 49.180 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 98.360% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 77378 | 49.256 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.520% | | | |
| 50) Toluene-d8 | 8.628 | 98 | 263067 | 47.776 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 95.560% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 104113 | 49.702 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 99.400% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.178 | 85 | 24401 | 16.810 | ug/l | 98 |
| 3) Chloromethane | 1.300 | 50 | 24074 | 17.768 | ug/l | 98 |
| 4) Vinyl Chloride | 1.380 | 62 | 22127 | 17.636 | ug/l | 98 |
| 5) Bromomethane | 1.617 | 94 | 16447 | 19.316 | ug/l | 99 |
| 6) Chloroethane | 1.697 | 64 | 13922 | 18.884 | ug/l | 91 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 42595 | 17.702 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 12470 | 18.418 | ug/l | 91 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 26749 | 17.555 | ug/l | 96 |
| 10) Methyl Iodide | 2.453 | 142 | 32960 | 17.207 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.940 | 59 | 13580 | 69.088 | ug/l # | 85 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 26679 | 17.997 | ug/l | 89 |
| 13) Acrolein | 2.233 | 56 | 19860 | 99.067 | ug/l | 99 |
| 14) Allyl chloride | 2.666 | 41 | 43917 | 17.844 | ug/l | 97 |
| 15) Acrylonitrile | 3.056 | 53 | 59914 | 84.532 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 55899 | 82.307 | ug/l | 97 |
| 17) Carbon Disulfide | 2.514 | 76 | 77662 | 16.623 | ug/l | 97 |
| 18) Methyl Acetate | 2.696 | 43 | 24826 | 17.503 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 89211 | 17.640 | ug/l | 95 |
| 20) Methylene Chloride | 2.788 | 84 | 31545 | 19.062 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 29134 | 17.892 | ug/l | 97 |
| 22) Diisopropyl ether | 3.745 | 45 | 95604 | 19.476 | ug/l | 91 |
| 23) Vinyl Acetate | 3.708 | 43 | 367608 | 93.748 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 54562 | 18.382 | ug/l | 98 |
| 25) 2-Butanone | 4.538 | 43 | 73253 | 85.214 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.464 | 77 | 47833 | 17.854 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 35928 | 18.906 | ug/l | 98 |
| 28) Bromochloromethane | 4.879 | 49 | 26532 | 21.558 | ug/l | 88 |
| 29) Tetrahydrofuran | 4.983 | 42 | 43984 | 85.433 | ug/l | 97 |
| 30) Chloroform | 5.074 | 83 | 59628 | 18.803 | ug/l | 98 |
| 31) Cyclohexane | 5.452 | 56 | 47112 | 19.171 | ug/l | 94 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 52848 | 18.082 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 40242 | 18.023 | ug/l | 100 |
| 37) Ethyl Acetate | 4.690 | 43 | 32251 | 17.426 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 46896 | 17.024 | ug/l | 98 |
| 39) Methylcyclohexane | 7.360 | 83 | 44764 | 16.976 | ug/l | 95 |
| 40) Benzene | 6.019 | 78 | 120185 | 18.540 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048255.D
Acq On : 21 Oct 2025 10:06
Operator : JC/MD
Sample : VX1021WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 04:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.897 | 41 | 17591 | 18.099 ug/l | 97 |
| 42) 1,2-Dichloroethane | 6.062 | 62 | 45577 | 19.053 ug/l | 99 |
| 43) Isopropyl Acetate | 6.318 | 43 | 52903 | 17.402 ug/l | 96 |
| 44) Trichloroethene | 7.110 | 130 | 30995 | 18.107 ug/l | 99 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 29673 | 19.252 ug/l | 95 |
| 46) Dibromomethane | 7.567 | 93 | 22037 | 18.352 ug/l | 94 |
| 47) Bromodichloromethane | 7.799 | 83 | 48240 | 18.606 ug/l | 99 |
| 48) Methyl methacrylate | 7.677 | 41 | 26320 | 17.158 ug/l | 94 |
| 49) 1,4-Dioxane | 7.647 | 88 | 5926 | 292.405 ug/l # | 88 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 152275 | 86.877 ug/l | 96 |
| 52) Toluene | 8.701 | 92 | 77240 | 18.755 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 46020 | 18.419 ug/l | 99 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 50705 | 18.810 ug/l | 95 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 29313 | 19.140 ug/l | 98 |
| 56) Ethyl methacrylate | 9.098 | 69 | 39990 | 17.852 ug/l | 93 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 50123 | 19.160 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 98096 | 82.586 ug/l | 96 |
| 59) 2-Hexanone | 9.415 | 43 | 104997 | 85.909 ug/l | 96 |
| 60) Dibromochloromethane | 9.500 | 129 | 37288 | 18.114 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 30294 | 18.554 ug/l | 98 |
| 64) Tetrachloroethene | 9.256 | 164 | 26804 | 16.909 ug/l | 99 |
| 65) Chlorobenzene | 10.061 | 112 | 85855 | 17.974 ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 30819 | 17.566 ug/l | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 144956 | 17.824 ug/l | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 111086 | 36.763 ug/l | 99 |
| 69) o-Xylene | 10.622 | 106 | 52686 | 18.060 ug/l | 97 |
| 70) Styrene | 10.634 | 104 | 93575 | 18.838 ug/l | 99 |
| 71) Bromoform | 10.780 | 173 | 23770 | 16.952 ug/l # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 138728 | 17.144 ug/l | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 46339 | 16.144 ug/l | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 38121 | 17.251 ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 33965m | 18.905 ug/l | |
| 77) Bromobenzene | 11.177 | 156 | 34669 | 17.087 ug/l | 94 |
| 78) n-propylbenzene | 11.286 | 91 | 161765 | 17.266 ug/l | 98 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 98234 | 17.293 ug/l | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 114762 | 17.137 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 12207 | 16.530 ug/l | 96 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 115993 | 17.202 ug/l | 97 |
| 83) tert-Butylbenzene | 11.695 | 119 | 117710 | 17.108 ug/l | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 114927 | 17.197 ug/l | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 138342 | 16.712 ug/l | 99 |
| 86) p-Isopropyltoluene | 11.987 | 119 | 119237 | 16.665 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 65615 | 17.154 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 65796 | 16.604 ug/l | 98 |
| 89) n-Butylbenzene | 12.317 | 91 | 103383 | 15.875 ug/l | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 22360 | 15.825 ug/l | 96 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 61839 | 17.219 ug/l | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.926 | 75 | 6372 | 14.205 ug/l | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.566 | 180 | 36955 | 15.216 ug/l | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 14253 | 15.707 ug/l | 97 |
| 95) Naphthalene | 13.755 | 128 | 98736 | 15.345 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.944 | 180 | 34440 | 15.454 ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048255.D
Acq On : 21 Oct 2025 10:06
Operator : JC/MD
Sample : VX1021WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 04:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

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

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

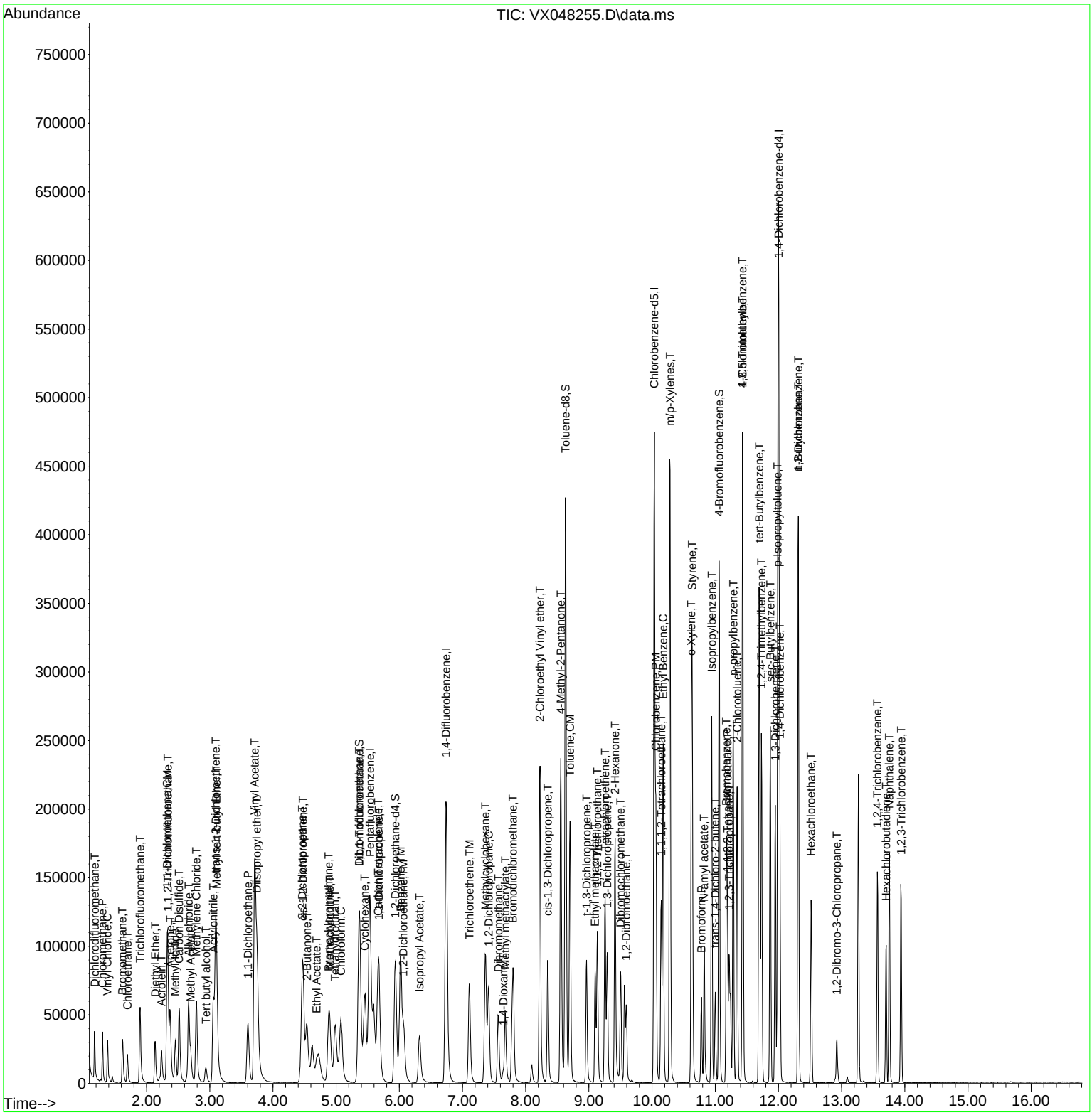
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Data File : VX048255.D
Acq On : 21 Oct 2025 10:06
Operator : JC/MD
Sample : VX1021WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

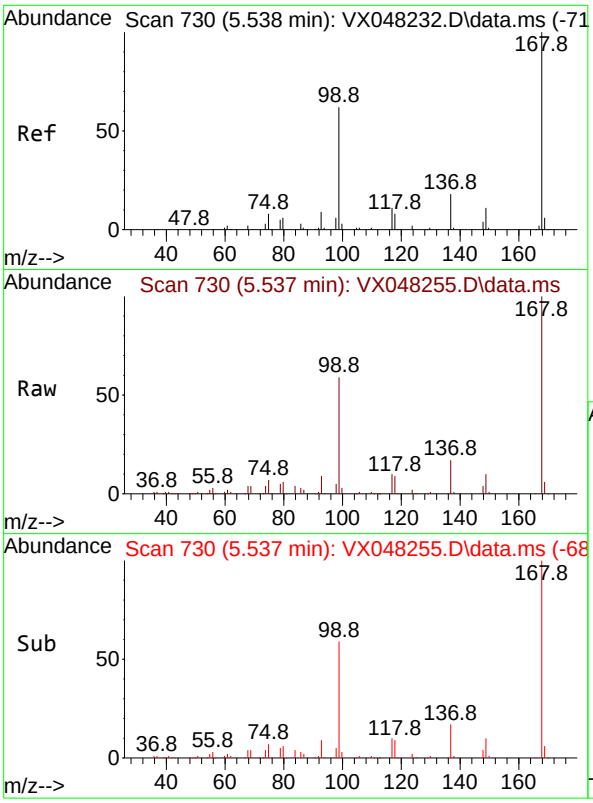
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Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

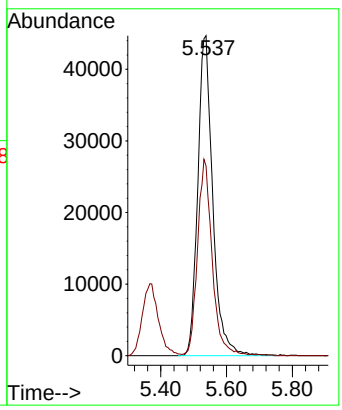





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:168 Resp: 14119

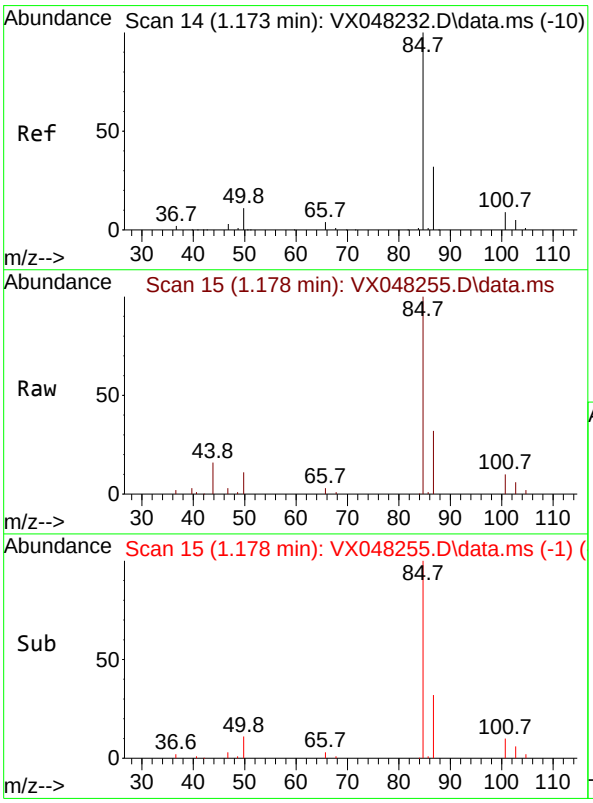
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.3 | 46.4 | 69.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

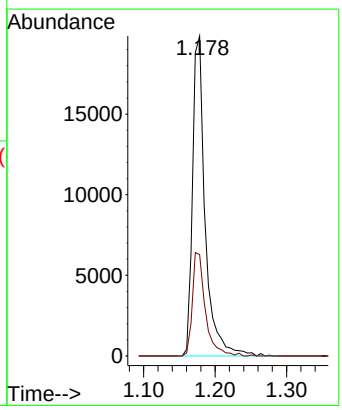
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

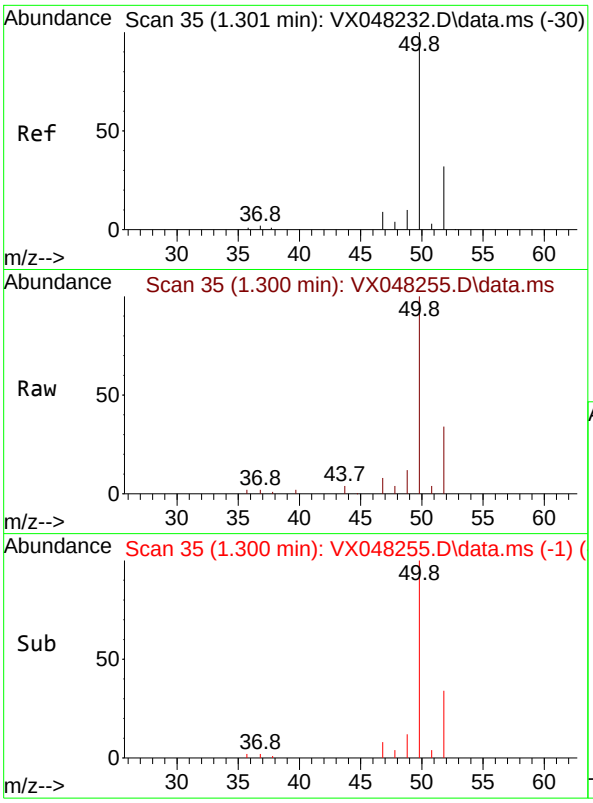



#2
Dichlorodifluoromethane
Concen: 16.810 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 85 Resp: 24401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 15.3 | 45.9 |

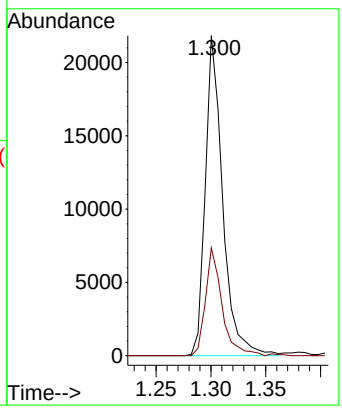





#3
Chloromethane
Concen: 17.768 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 50 Resp: 2407

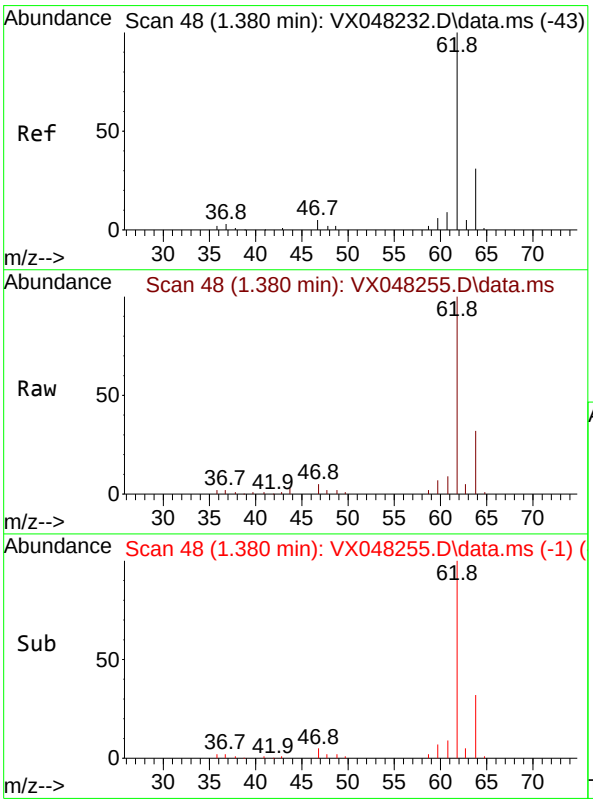
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.7 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

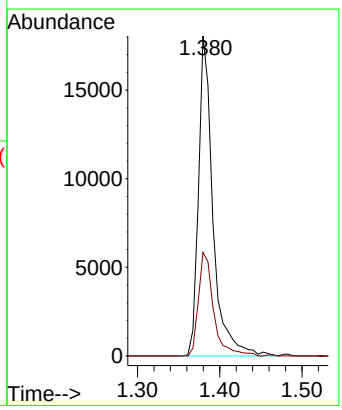
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

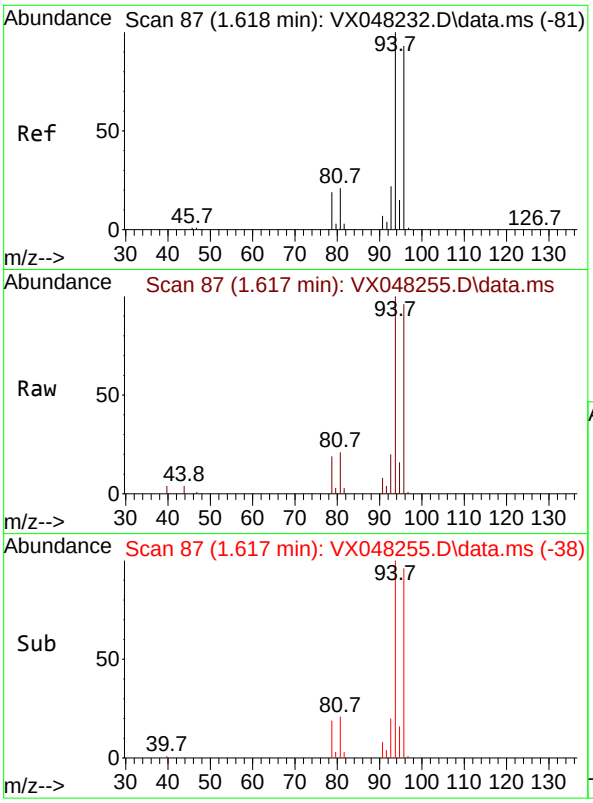



#4
Vinyl Chloride
Concen: 17.636 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 62 Resp: 22127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.3 | 25.1 | 37.7 |

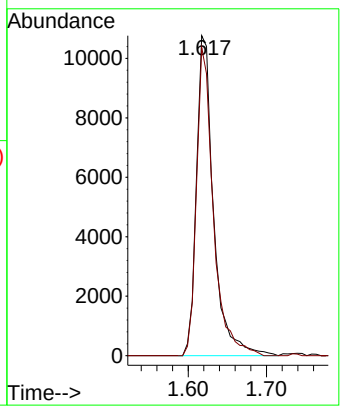





#5
Bromomethane
Concen: 19.316 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 94 Resp: 1644

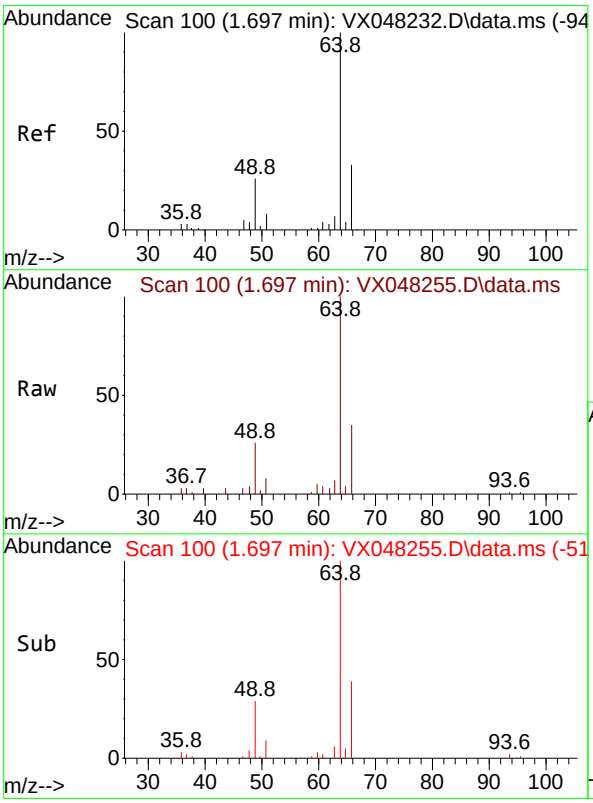
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.3 | 76.0 | 114.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

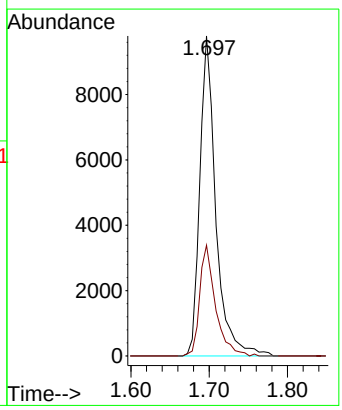
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

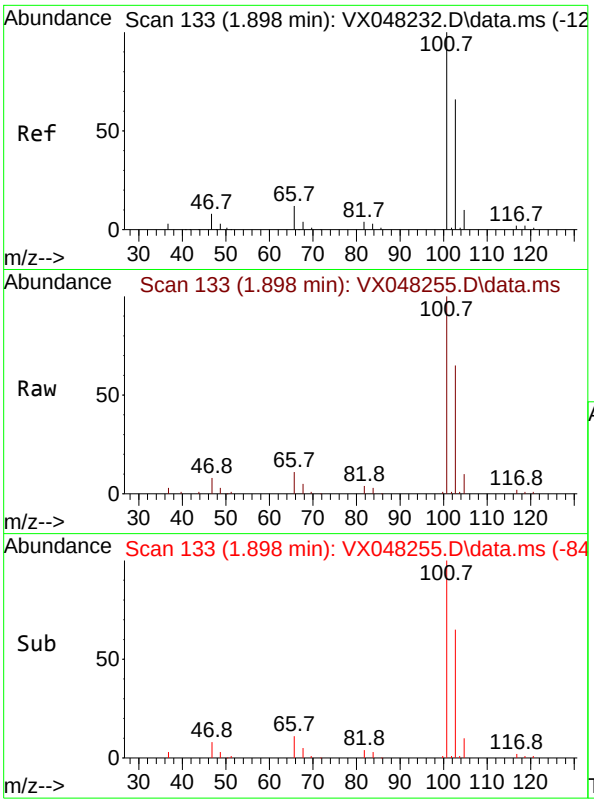



#6
Chloroethane
Concen: 18.884 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 64 Resp: 13922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.6 | 23.9 | 35.9 |

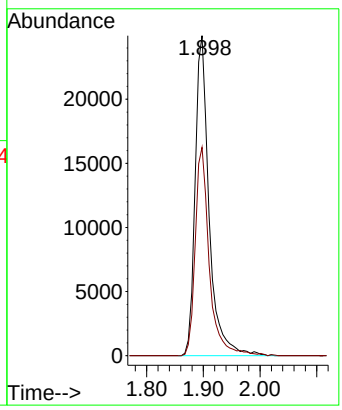





#7
Trichlorofluoromethane
Concen: 17.702 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:101 Resp: 4259

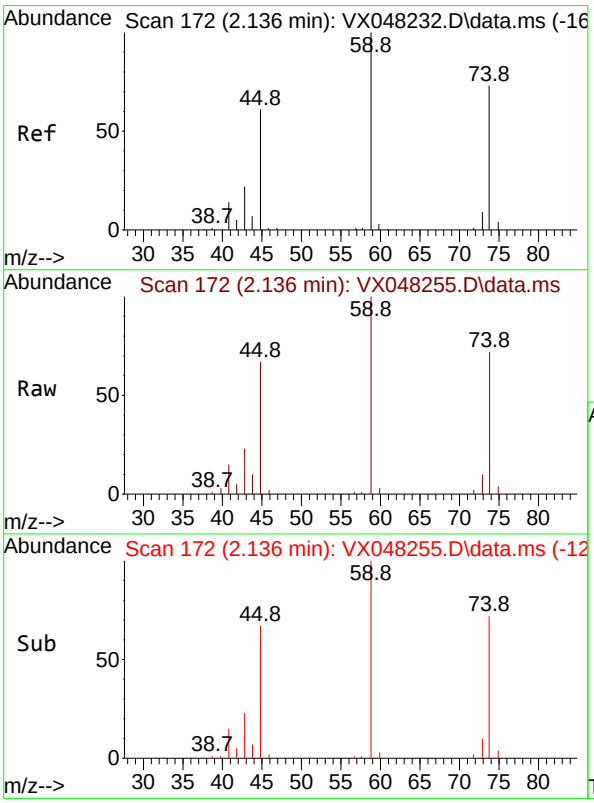
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.1 | 51.6 | 77.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

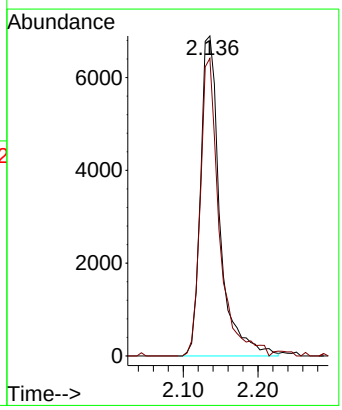
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

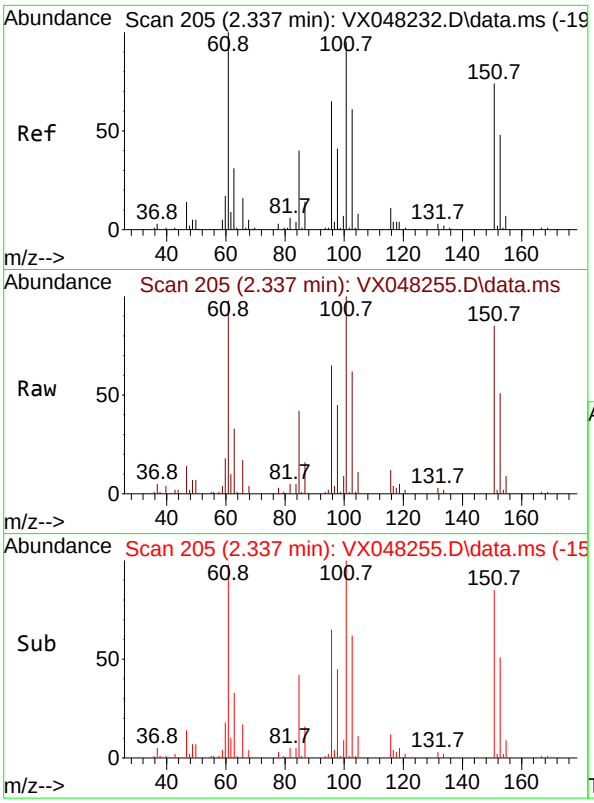



#8
Diethyl Ether
Concen: 18.418 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 74 Resp: 12470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 91.2 | 50.0 | 149.8 |

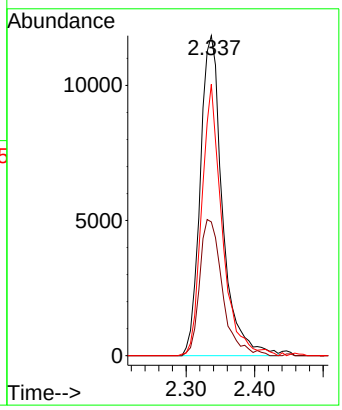





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.555 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:101 Resp: 2674

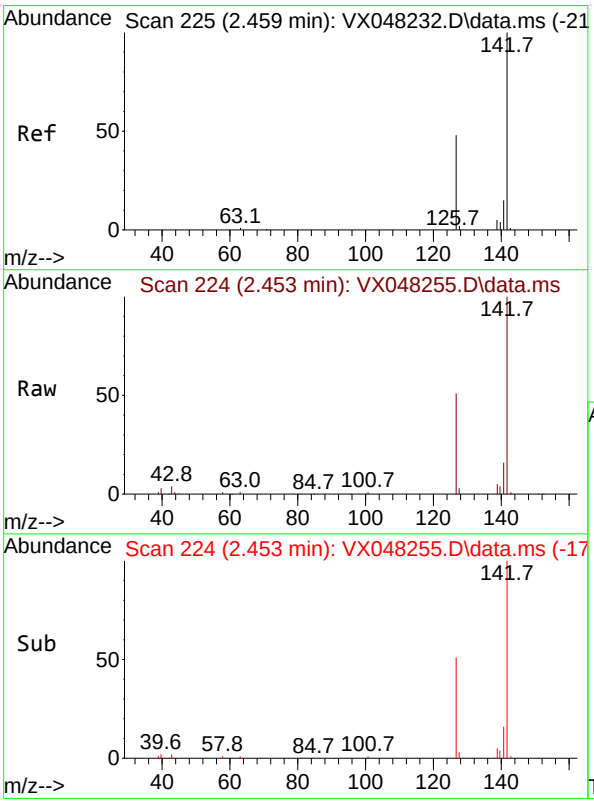
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.6 | 35.6 | 53.4 |
| 151 | 77.6 | 58.0 | 87.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

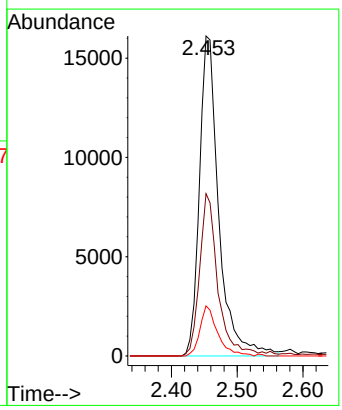
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

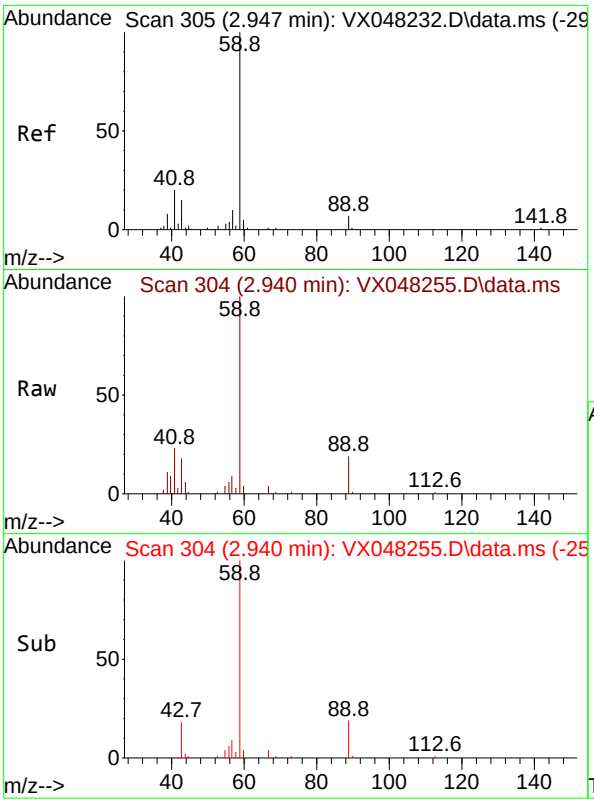



#10
Methyl Iodide
Concen: 17.207 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:142 Resp: 32960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.3 | 38.5 | 57.7 |
| 141 | 14.3 | 11.6 | 17.4 |

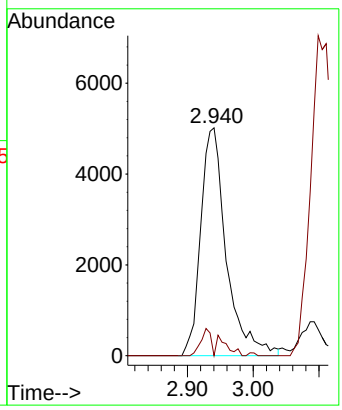





#11
Tert butyl alcohol
Concen: 69.088 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 59 Resp: 1358

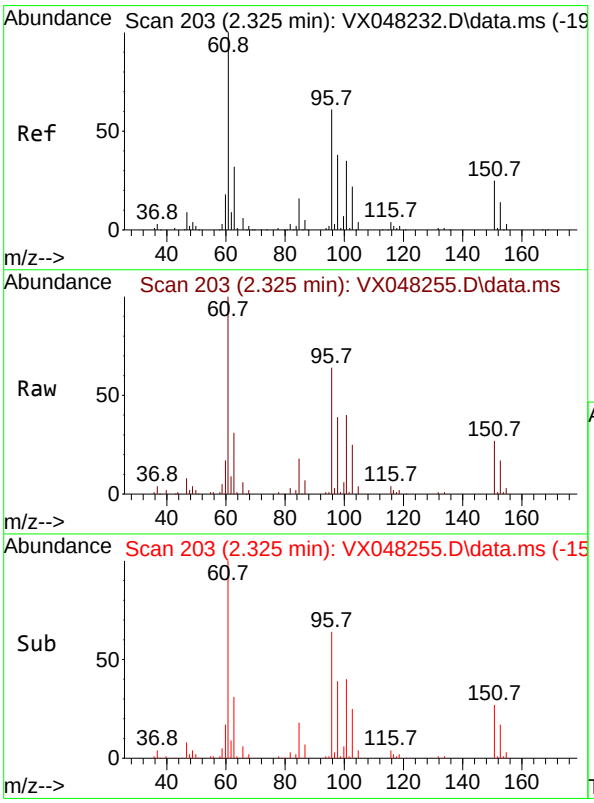
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 4.6 | 8.2 | 12.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

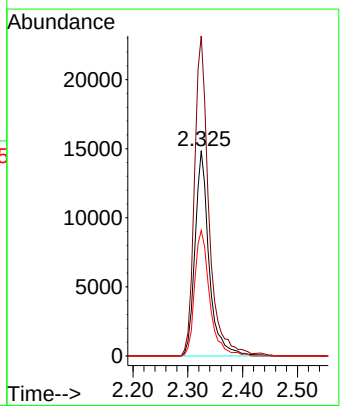
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

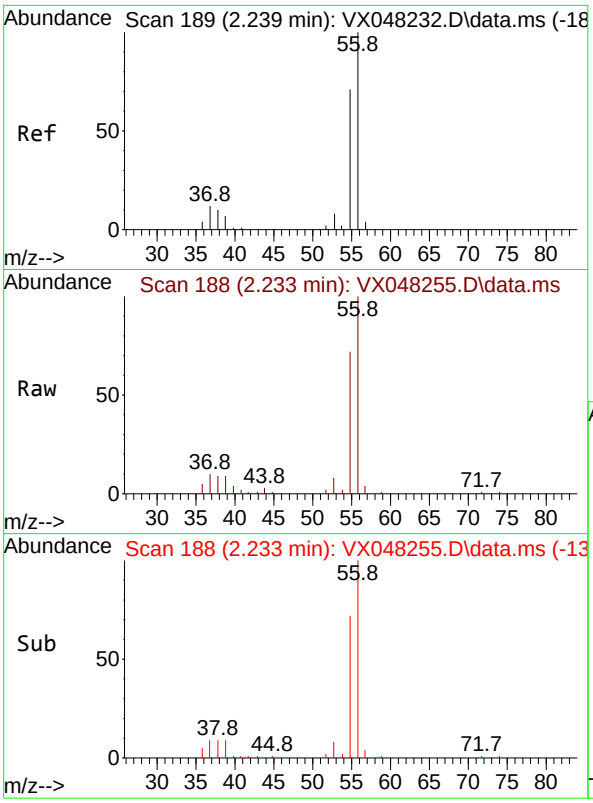



#12
1,1-Dichloroethene
Concen: 17.997 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 96 Resp: 26679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.9 | 139.0 | 208.6 |
| 98 | 61.1 | 52.4 | 78.6 |

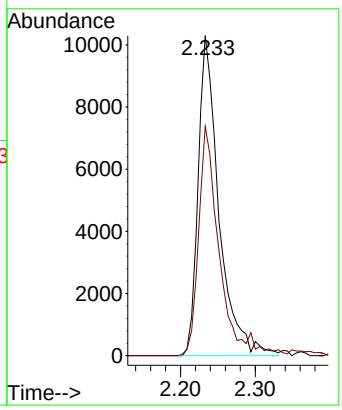





#13
Acrolein
Concen: 99.067 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 56 Resp: 1986

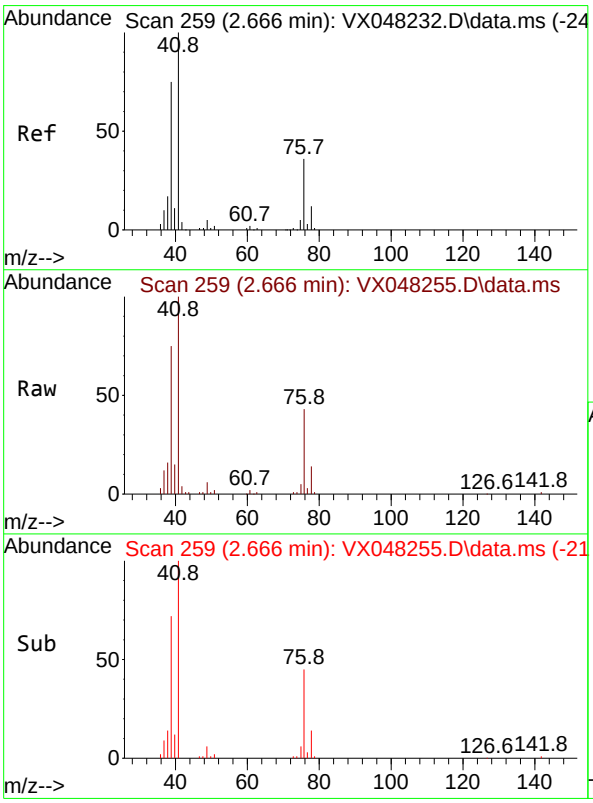
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.1 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

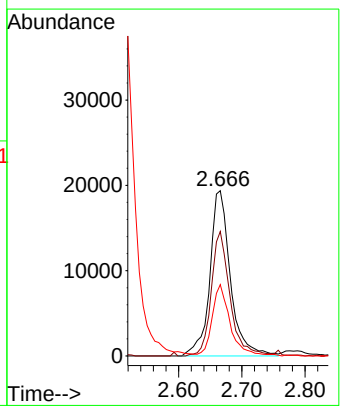
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

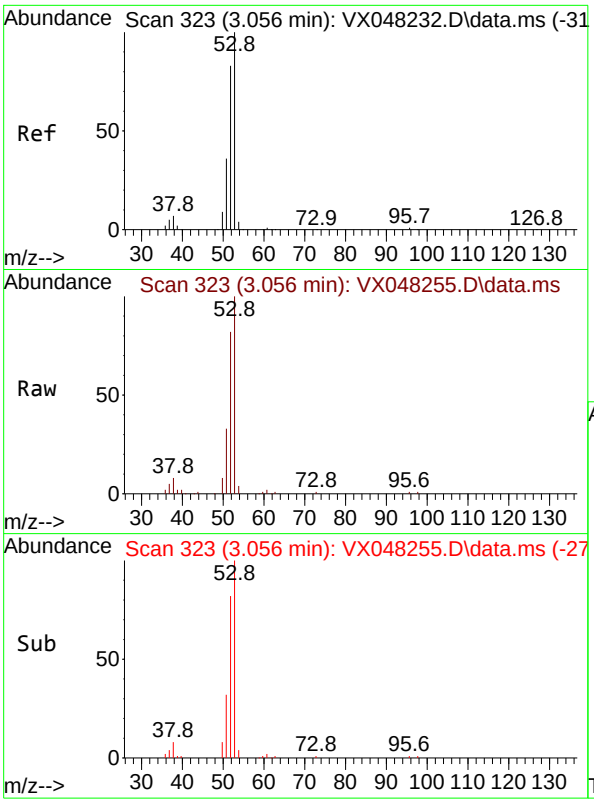



#14
Allyl chloride
Concen: 17.844 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 41 Resp: 43917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 68.3 | 56.0 | 84.0 |
| 76 | 37.7 | 27.5 | 41.3 |

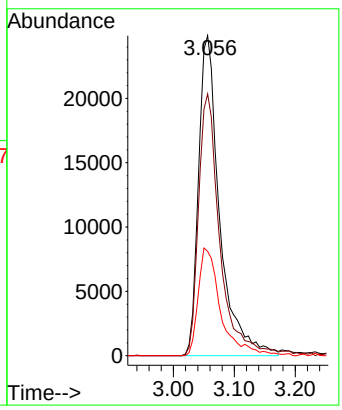





#15
Acrylonitrile
Concen: 84.532 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 53 Resp: 5991

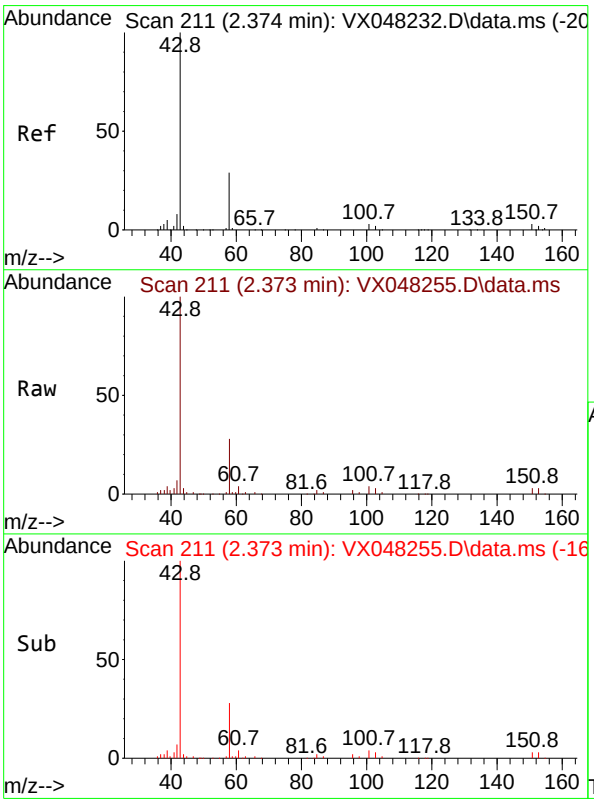
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.0 | 66.1 | 99.1 |
| 51 | 36.0 | 29.0 | 43.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

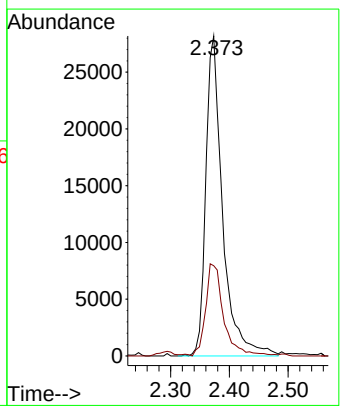
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

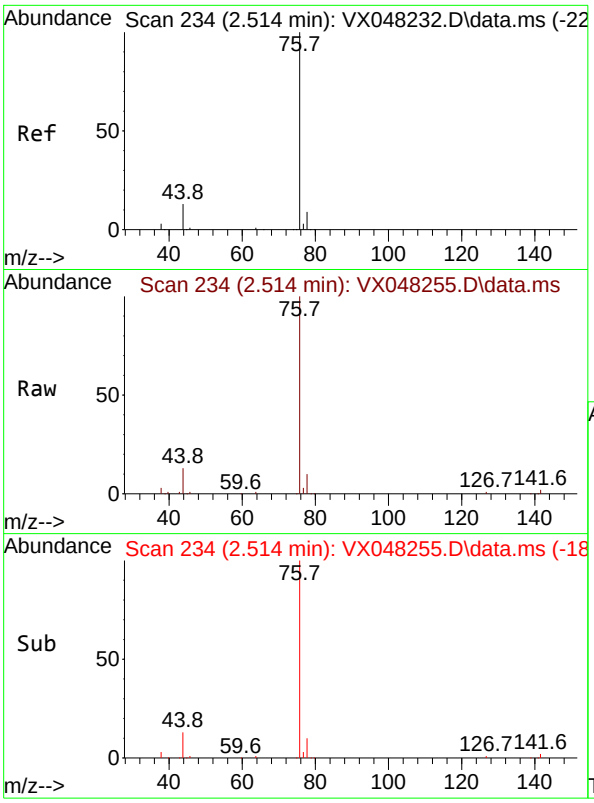



#16
Acetone
Concen: 82.307 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 43 Resp: 55899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.8 | 23.4 | 35.2 |

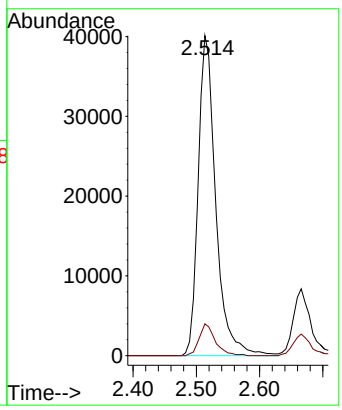





#17
Carbon Disulfide
Concen: 16.623 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 76 Resp: 7766

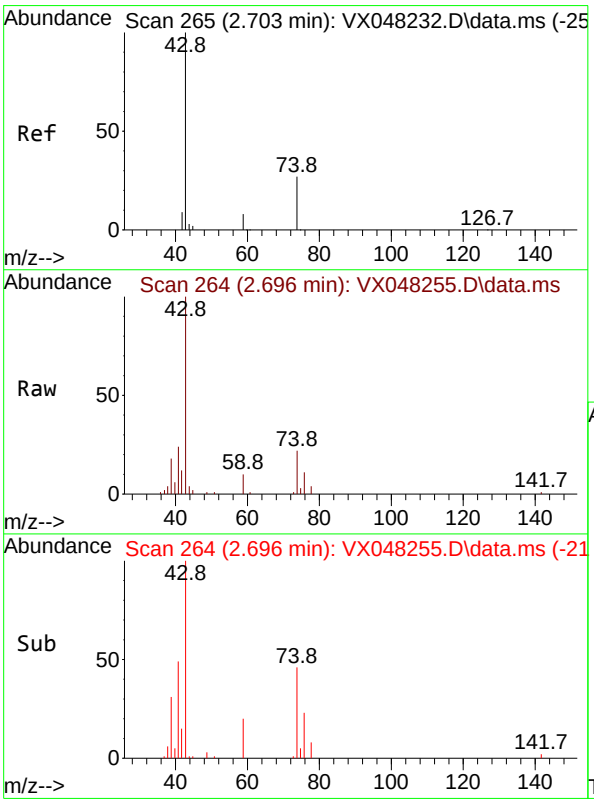
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.9 | 7.1 | 10.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

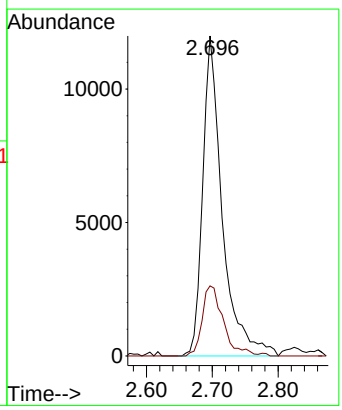
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

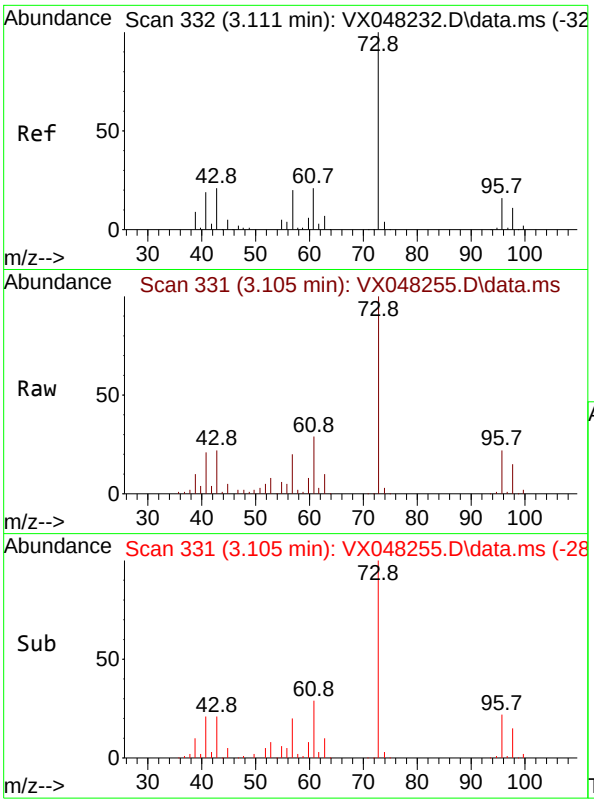



#18
Methyl Acetate
Concen: 17.503 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 43 Resp: 24826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.6 | 17.5 | 26.3 |

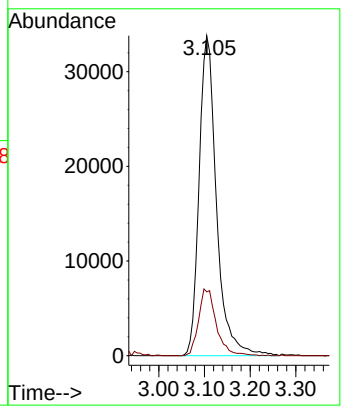





#19
Methyl tert-butyl Ether
Concen: 17.640 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 73 Resp: 8921

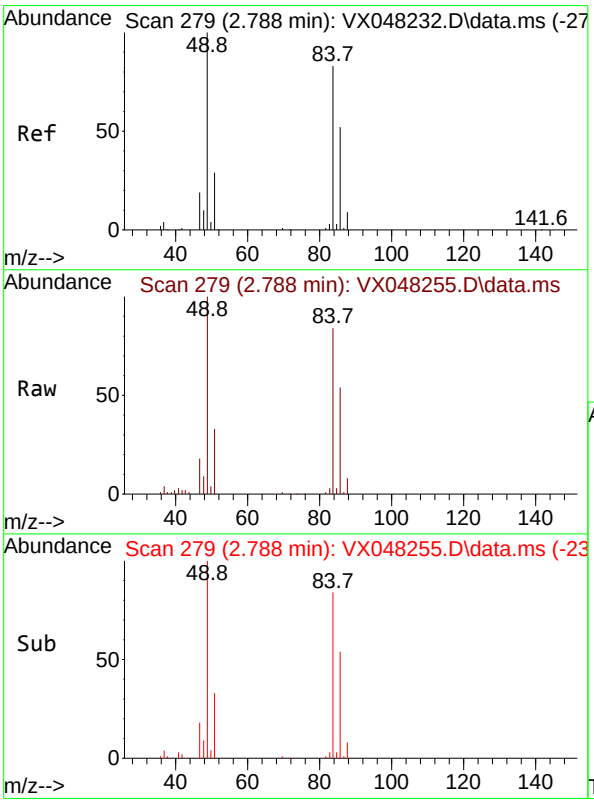
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 19.9 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

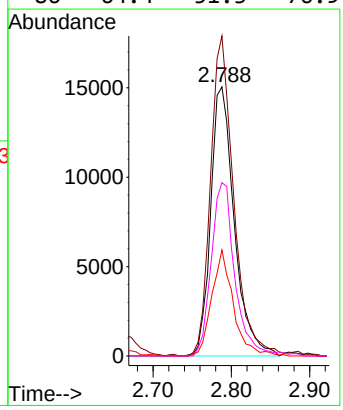
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

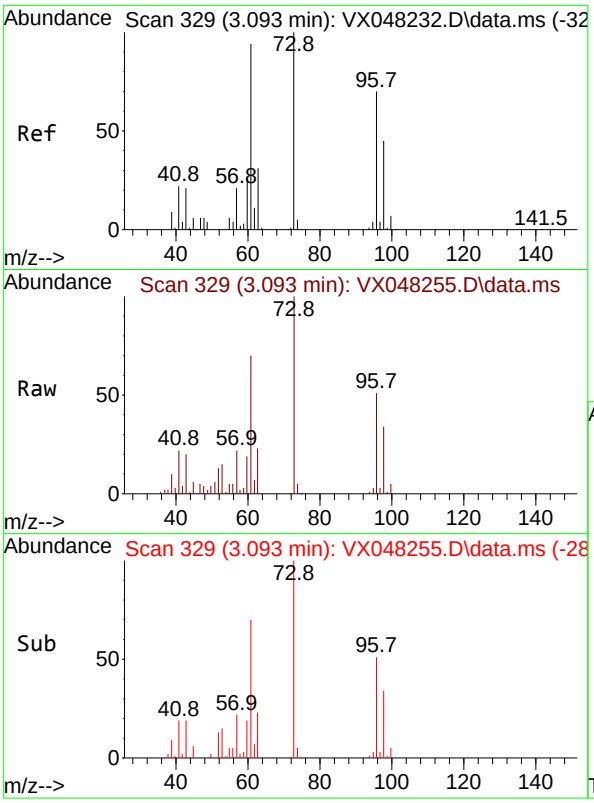



#20
Methylene Chloride
Concen: 19.062 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 84 Resp: 31545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 118.9 | 104.1 | 156.1 |
| 51 | 39.3 | 31.3 | 46.9 |
| 86 | 64.4 | 51.3 | 76.9 |

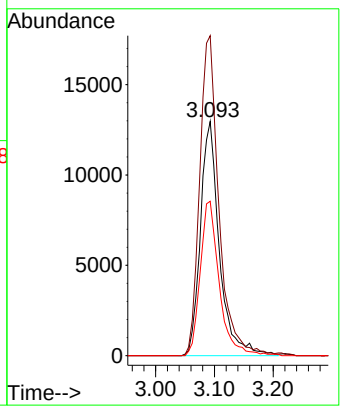





#21
trans-1,2-Dichloroethene
Concen: 17.892 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 96 Resp: 2913

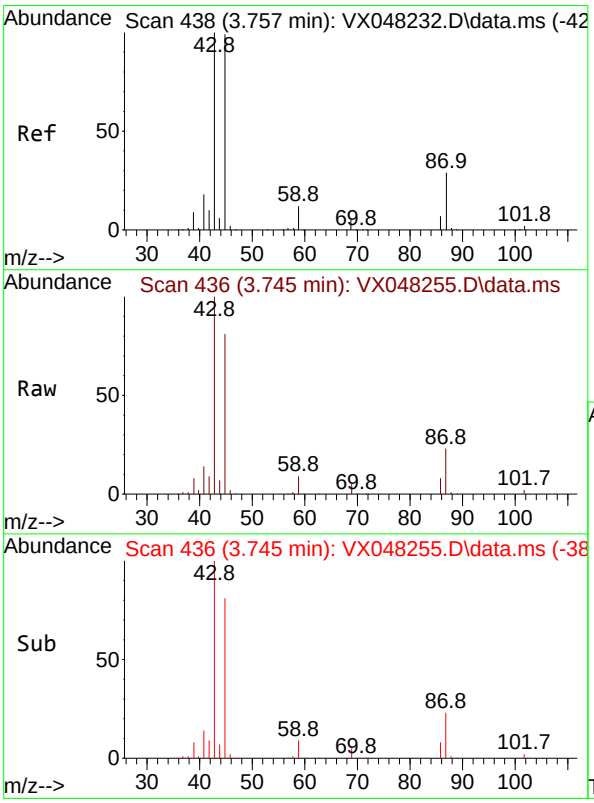
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.6 | 111.9 | 167.9 |
| 98 | 66.0 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

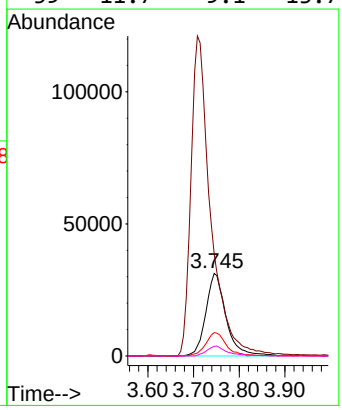
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

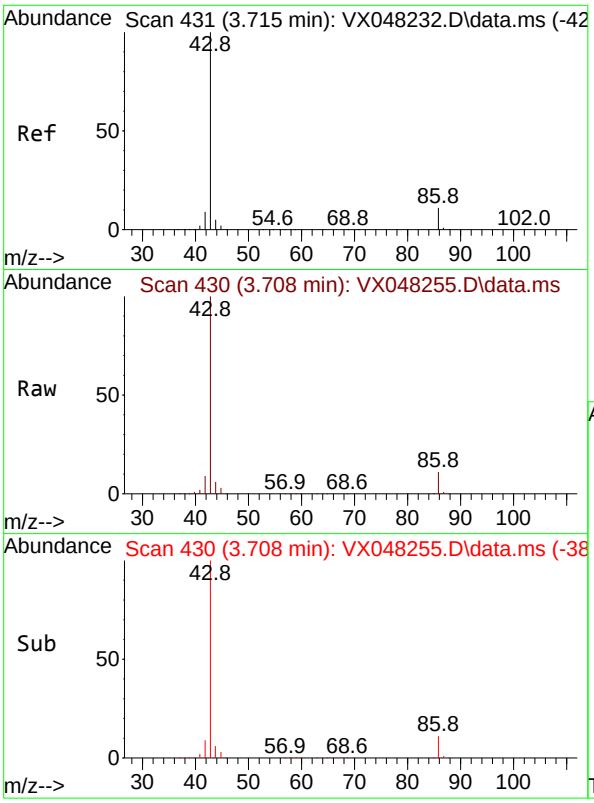



#22
Diisopropyl ether
Concen: 19.476 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 45 Resp: 95604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 123.5 | 89.8 | 134.8 |
| 87 | 28.3 | 20.6 | 31.0 |
| 59 | 11.7 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 93.748 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

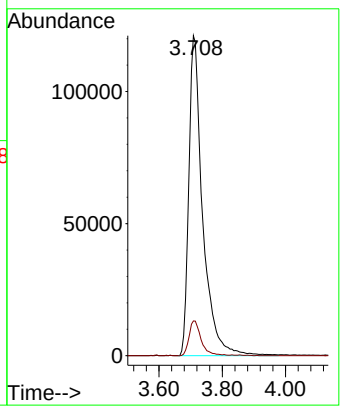
Tgt Ion: 43 Resp: 36760

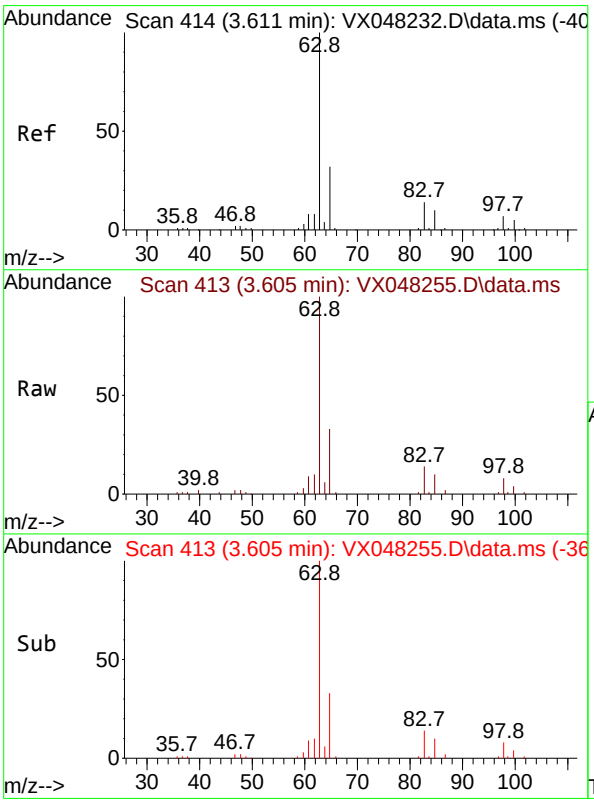
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.9 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

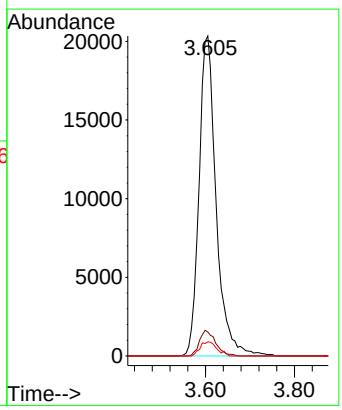


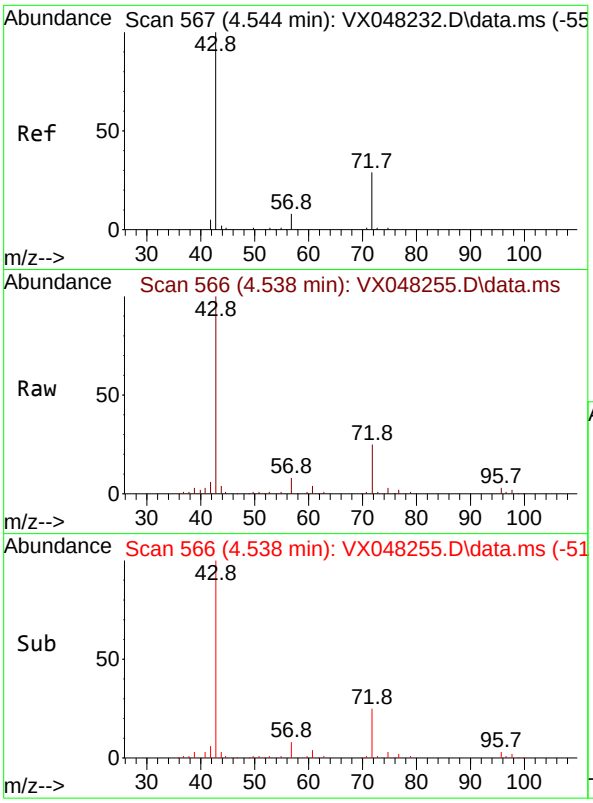




#24
1,1-Dichloroethane
Concen: 18.382 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 63 Resp: 54562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.3 | 3.5 | 10.6 |
| 100 | 4.4 | 2.1 | 6.3 |

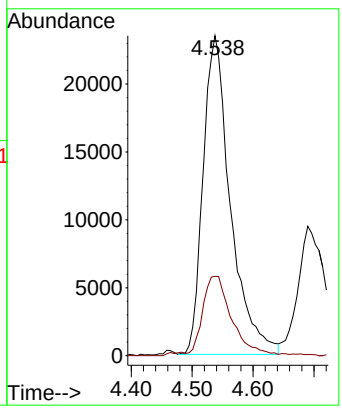





#25
2-Butanone
Concen: 85.214 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 43 Resp: 7325

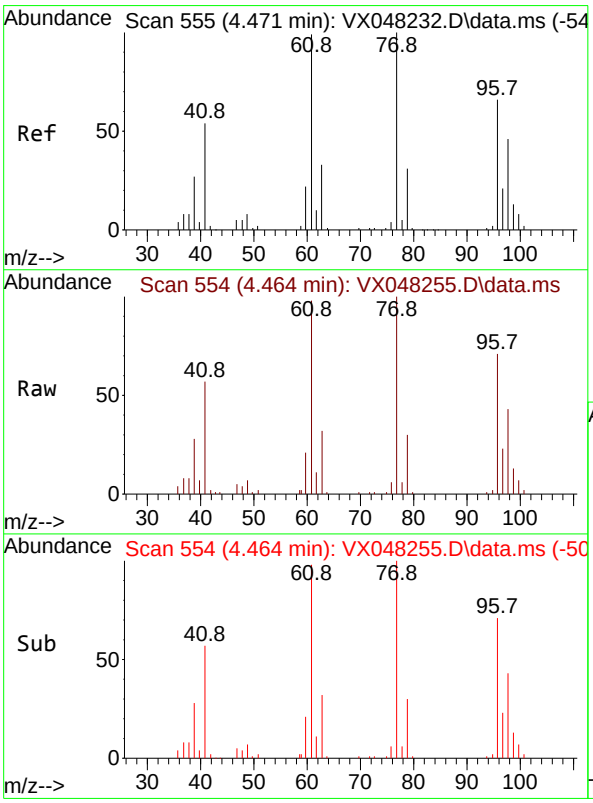
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.7 | 19.9 | 29.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

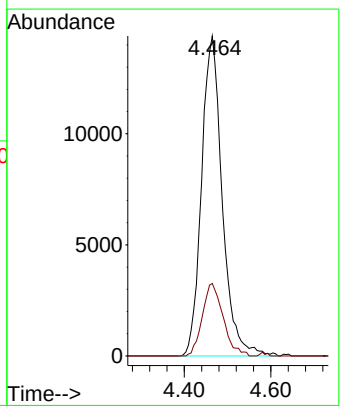
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

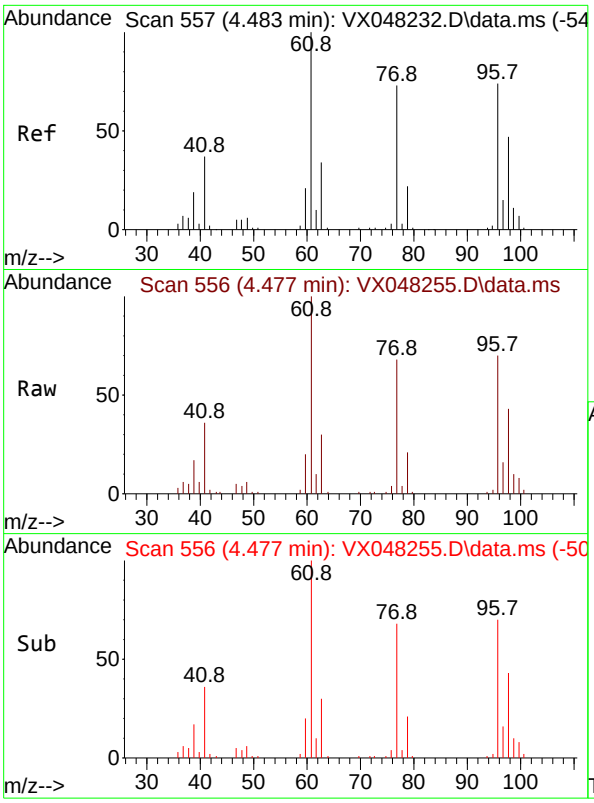



#26
2,2-Dichloropropane
Concen: 17.854 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 77 Resp: 47833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.7 | 11.1 | 33.3 |

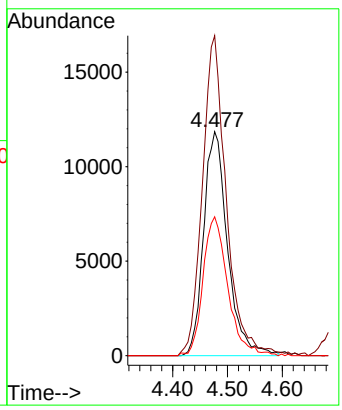





#27
cis-1,2-Dichloroethene
Concen: 18.906 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 96 Resp: 3592

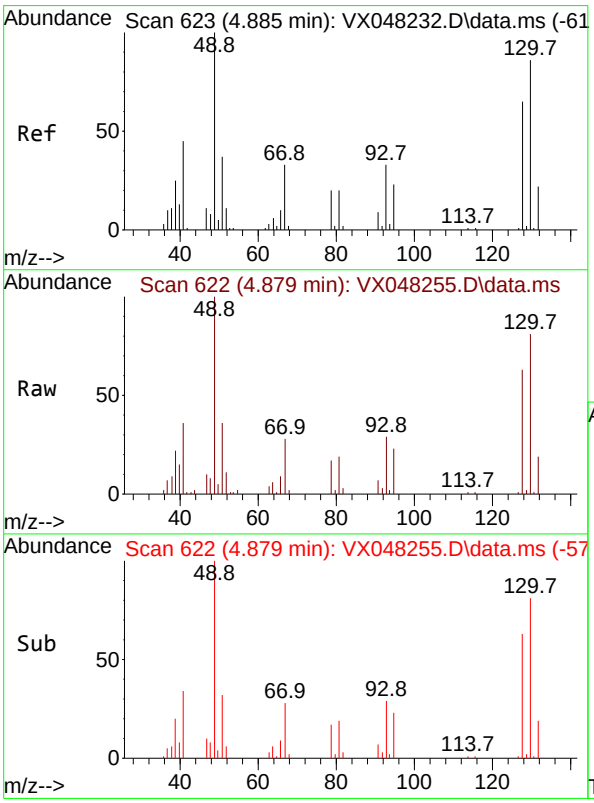
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.8 | 0.0 | 294.2 |
| 98 | 64.0 | 0.0 | 128.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

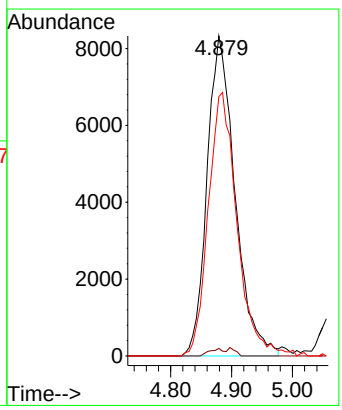
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

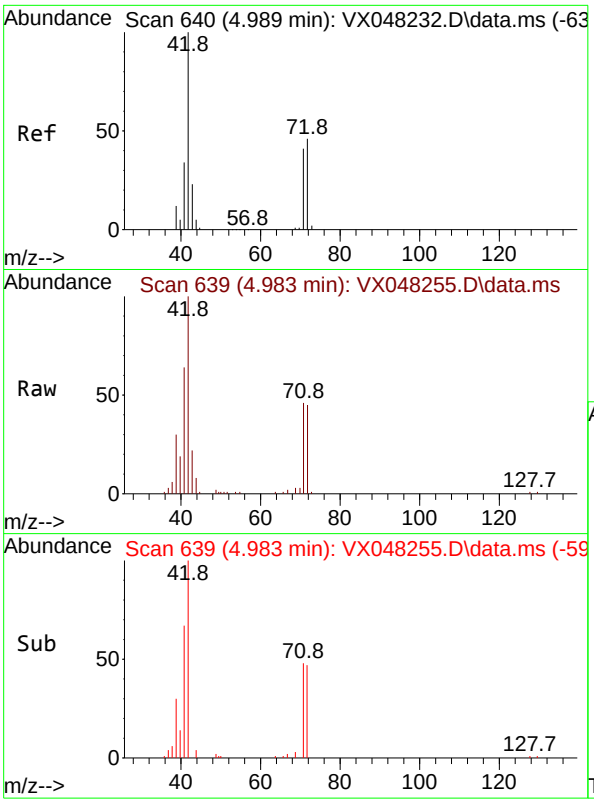



#28
Bromochloromethane
Concen: 21.558 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 49 Resp: 26532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.2 | 0.0 | 4.4 |
| 130 | 84.6 | 59.3 | 88.9 |

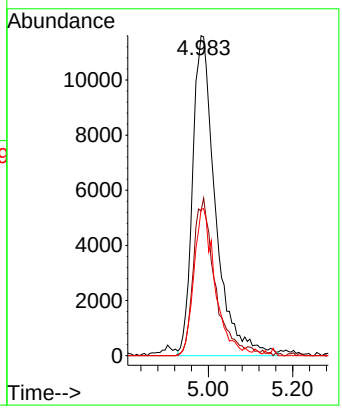





#29
Tetrahydrofuran
Concen: 85.433 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 42 Resp: 4398

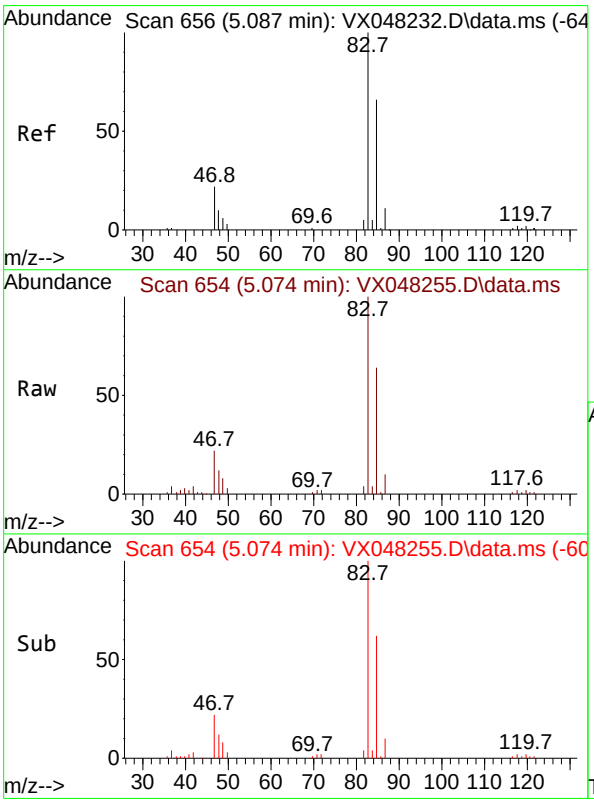
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.6 | 35.3 | 52.9 |
| 71 | 42.9 | 32.2 | 48.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

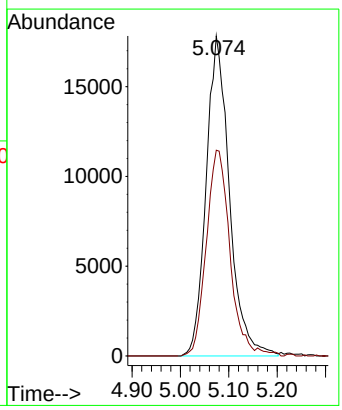
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

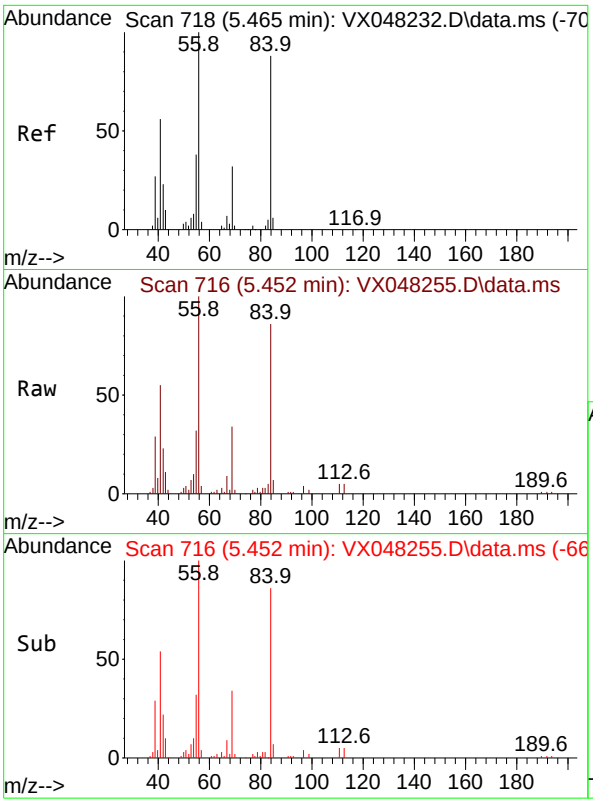



#30
Chloroform
Concen: 18.803 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 83 Resp: 59628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 50.1 | 75.1 |

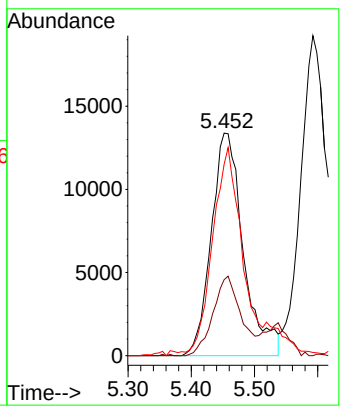





#31
Cyclohexane
Concen: 19.171 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 56 Resp: 4711

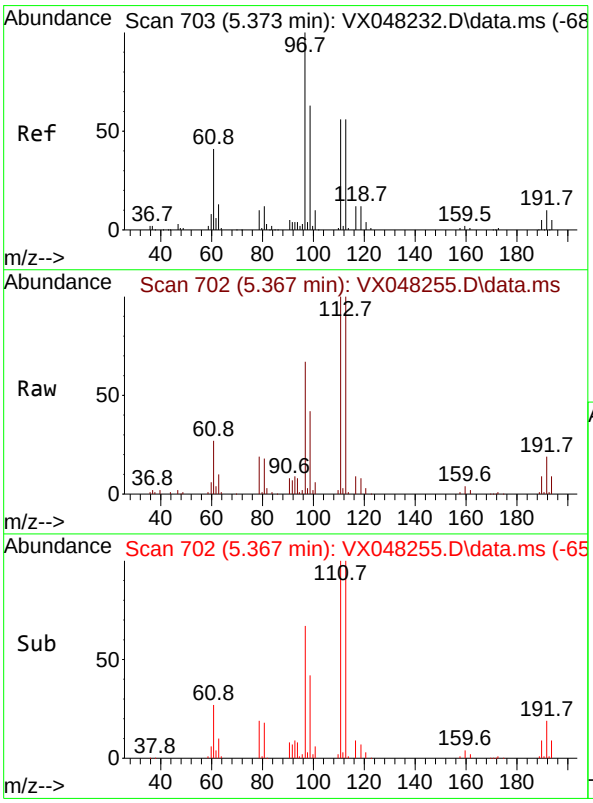
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 34.2 | 23.0 | 34.6 |
| 84 | 84.6 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

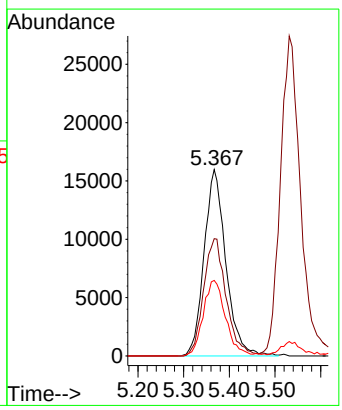
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

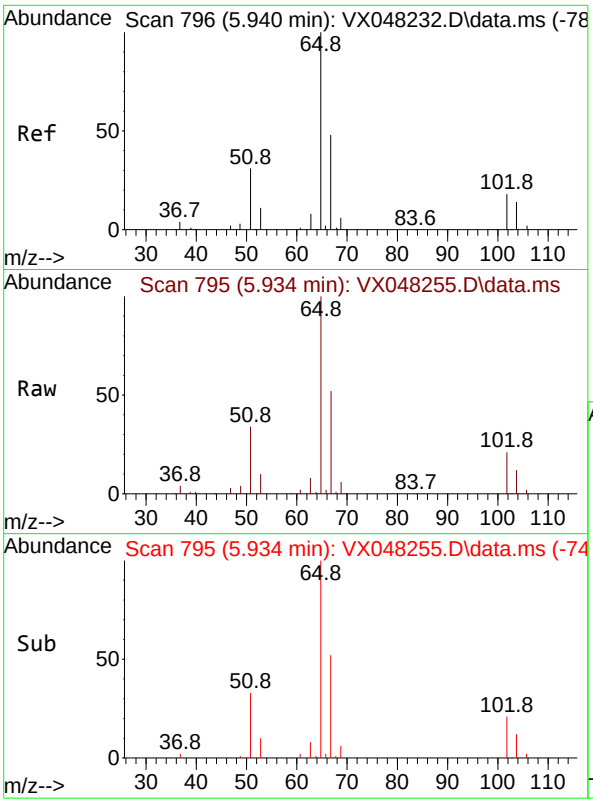



#32
1,1,1-Trichloroethane
Concen: 18.082 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 97 Resp: 52848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.0 | 51.7 | 77.5 |
| 61 | 41.4 | 34.8 | 52.2 |

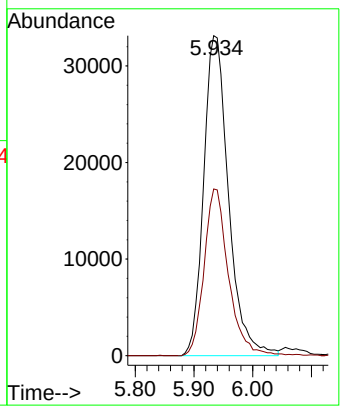





#33
1,2-Dichloroethane-d4
Concen: 49.180 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 65 Resp: 9736

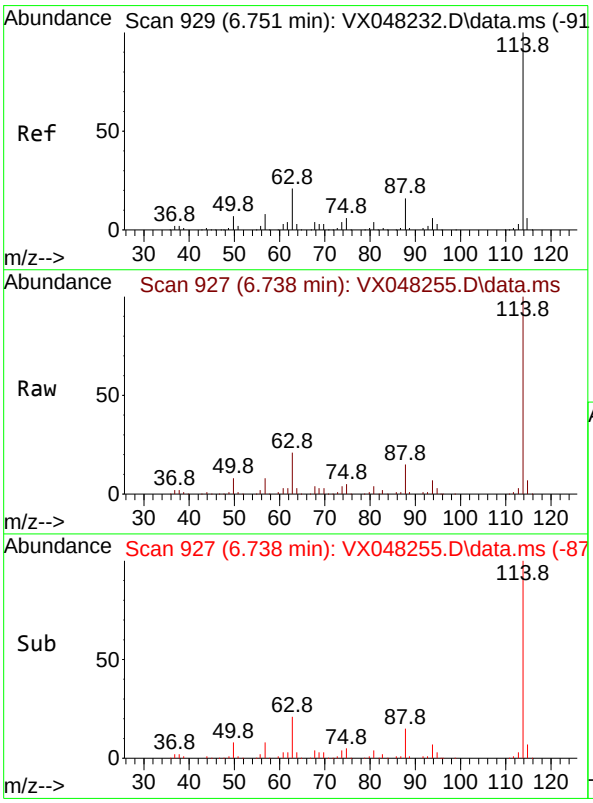
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.2 | 0.0 | 105.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

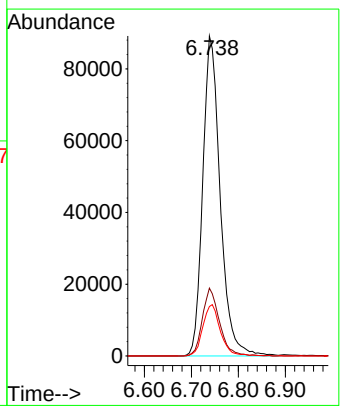
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

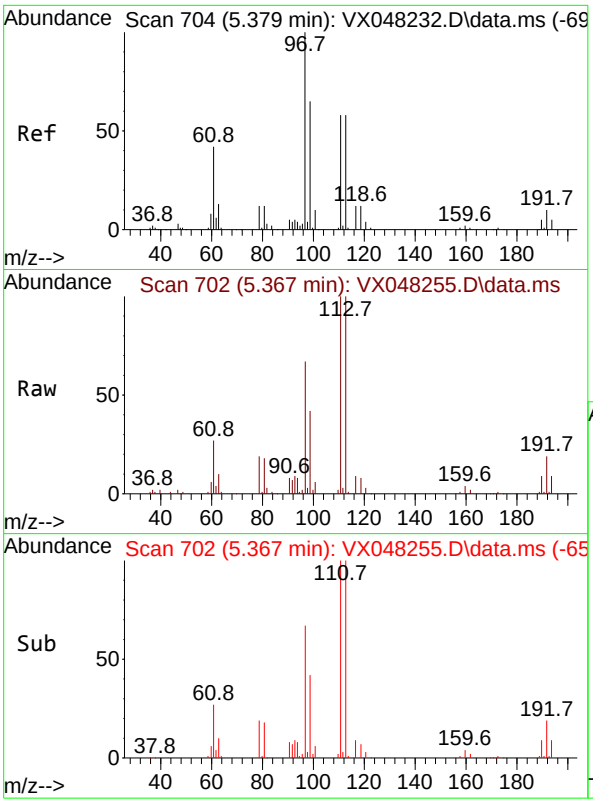



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.007 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:114 Resp: 230109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 43.2 |
| 88 | 15.5 | 0.0 | 33.6 |

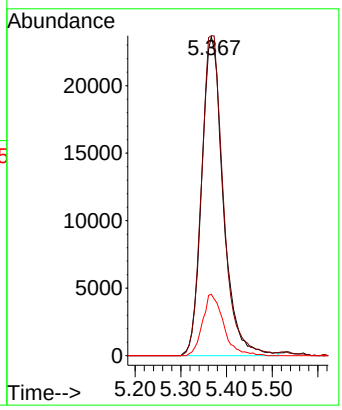





#35
Dibromofluoromethane
Concen: 49.256 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:113 Resp: 7737

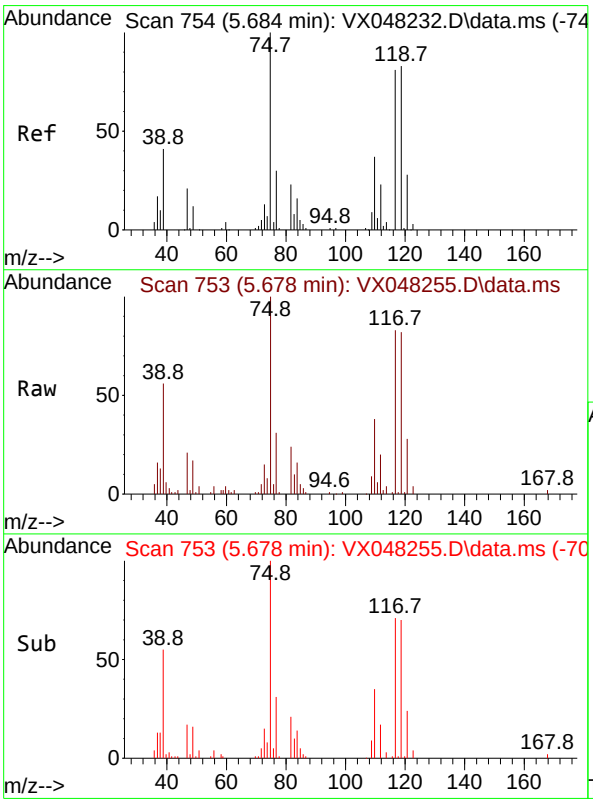
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.2 | 82.2 | 123.4 |
| 192 | 18.9 | 15.1 | 22.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

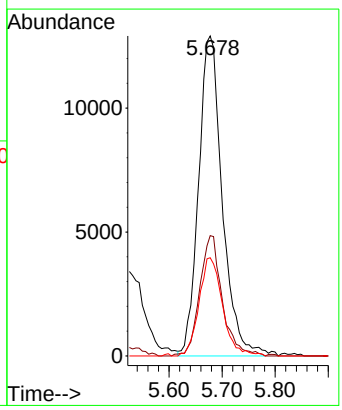
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

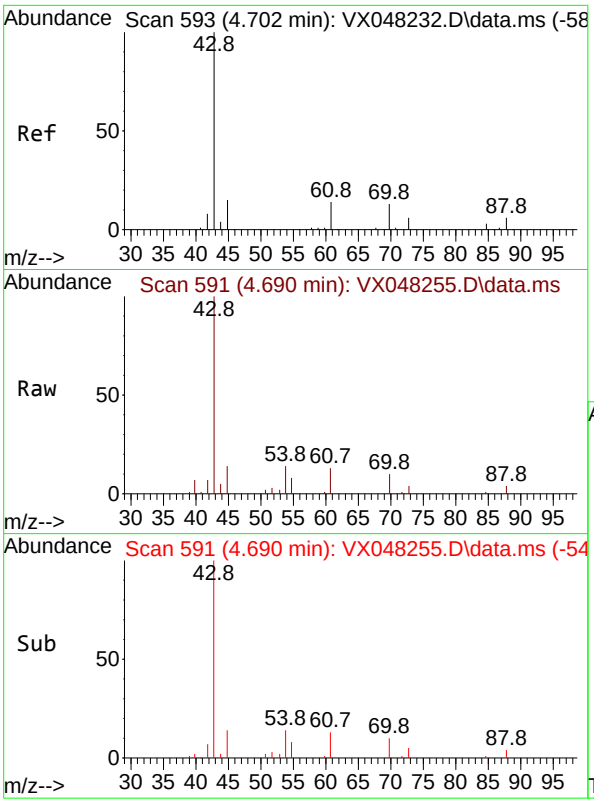



#36
1,1-Dichloropropene
Concen: 18.023 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 40242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.6 | 17.7 | 53.1 |
| 77 | 30.3 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 17.426 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

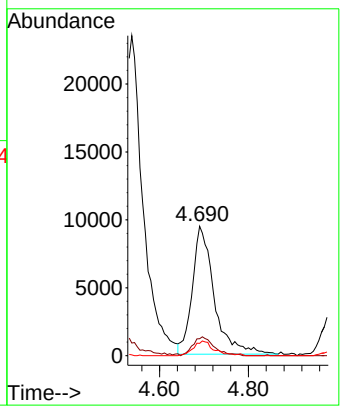
Tgt Ion: 43 Resp: 3225

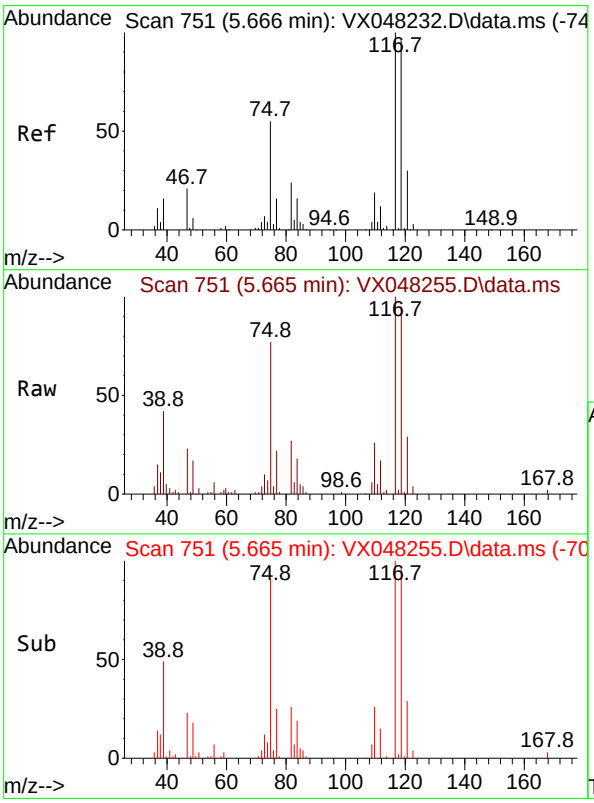
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.2 | 10.6 | 15.8 |
| 70 | 10.5 | 7.8 | 11.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

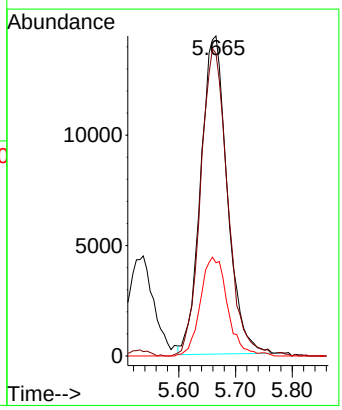


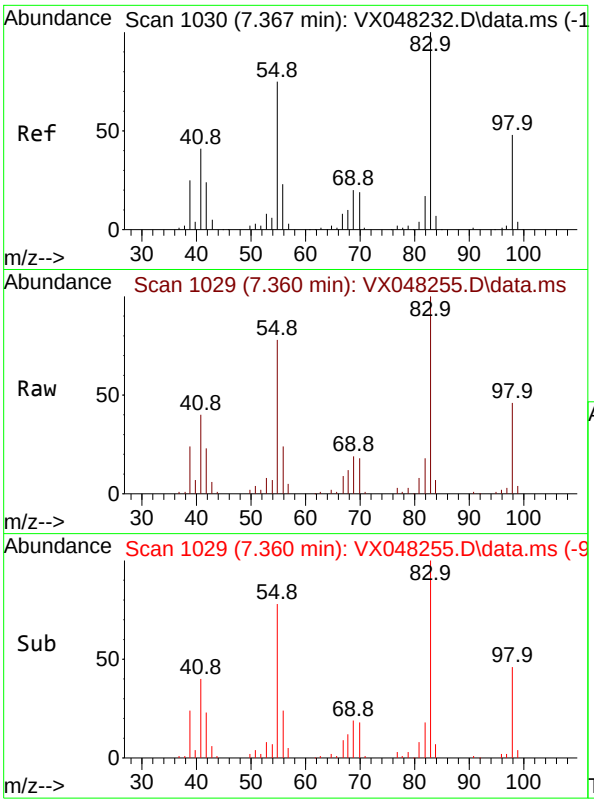




#38
Carbon Tetrachloride
Concen: 17.024 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:117 Resp: 46896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.4 | 77.2 | 115.8 |
| 121 | 29.4 | 24.8 | 37.2 |

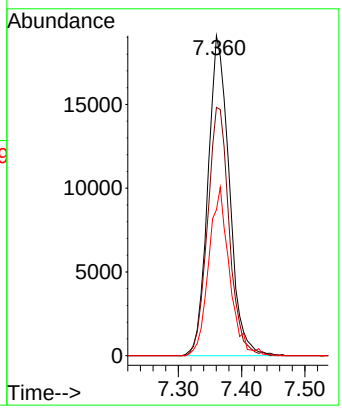





#39
Methylcyclohexane
Concen: 16.976 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 83 Resp: 4476

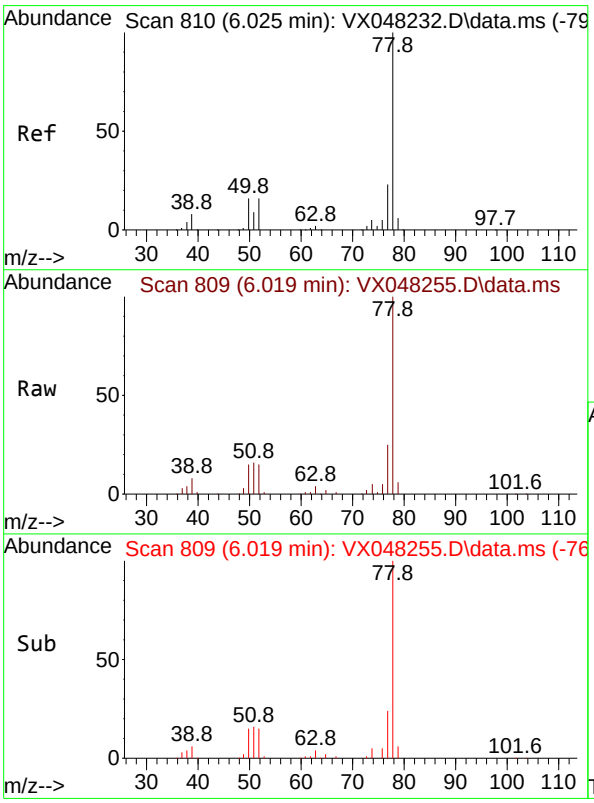
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.6 | 66.2 | 99.2 |
| 98 | 45.6 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

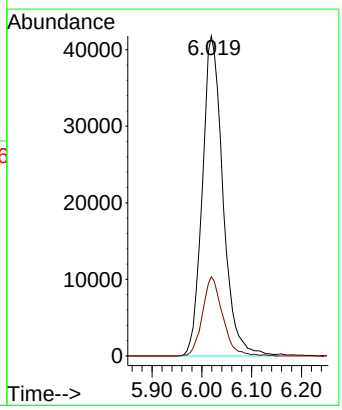
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

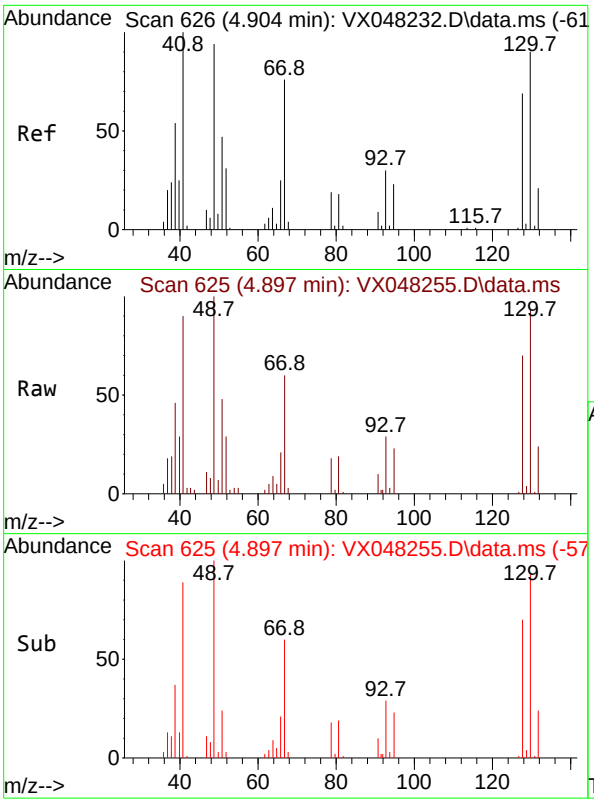



#40
Benzene
Concen: 18.540 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 78 Resp: 120185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.7 | 19.3 | 28.9 |

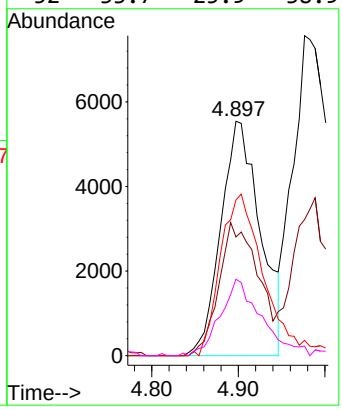





#41
Methacrylonitrile
Concen: 18.099 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 41 Resp: 1759

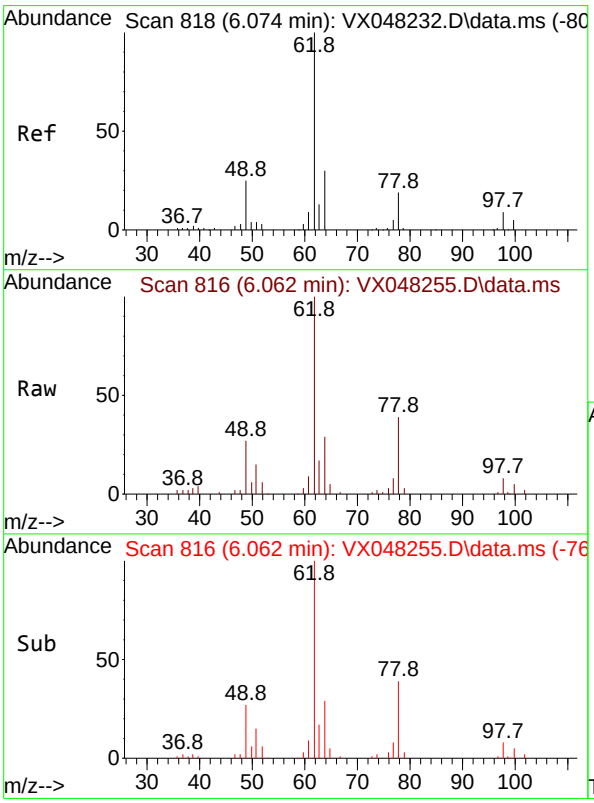
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.0 | 44.0 | 66.0 |
| 67 | 77.1 | 58.7 | 88.1 |
| 52 | 33.7 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

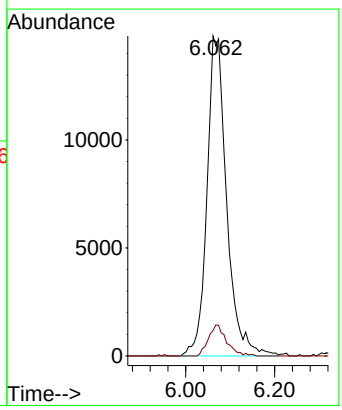
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

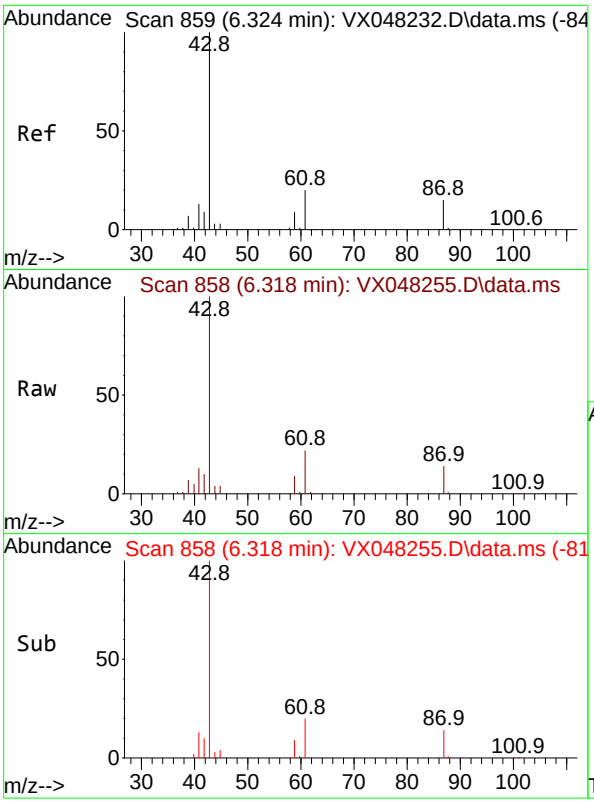



#42
1,2-Dichloroethane
Concen: 19.053 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 62 Resp: 45577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 17.2 |

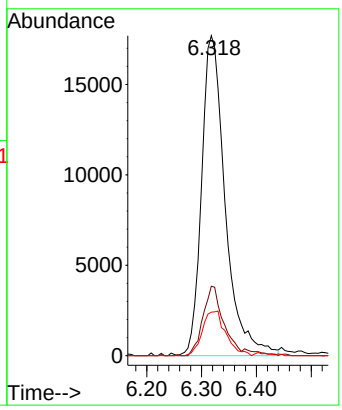





#43
Isopropyl Acetate
Concen: 17.402 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 43 Resp: 5290

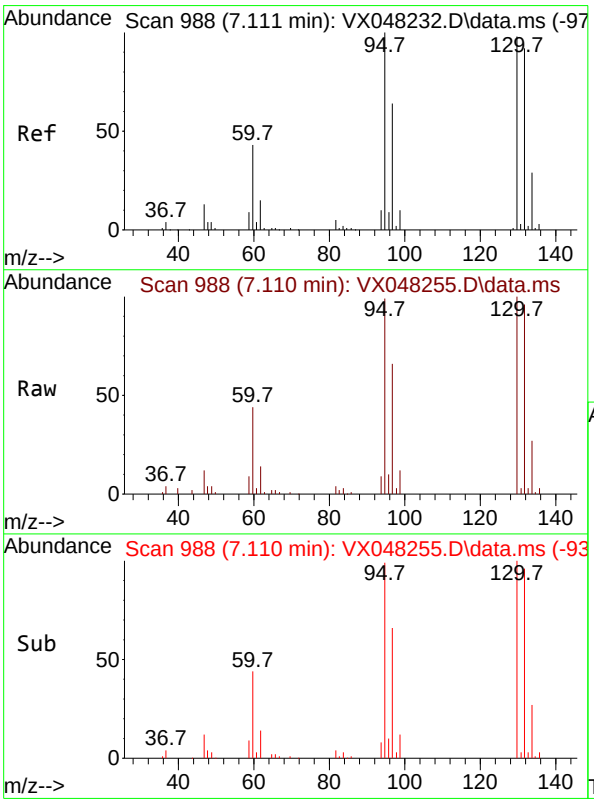
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.0 | 14.9 | 22.3 |
| 87 | 13.8 | 9.4 | 14.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

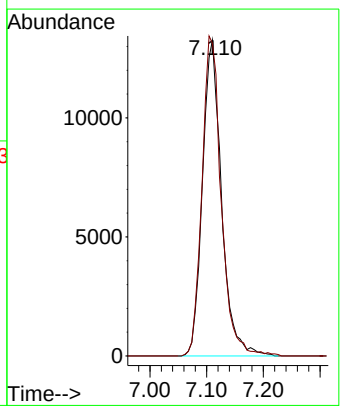
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

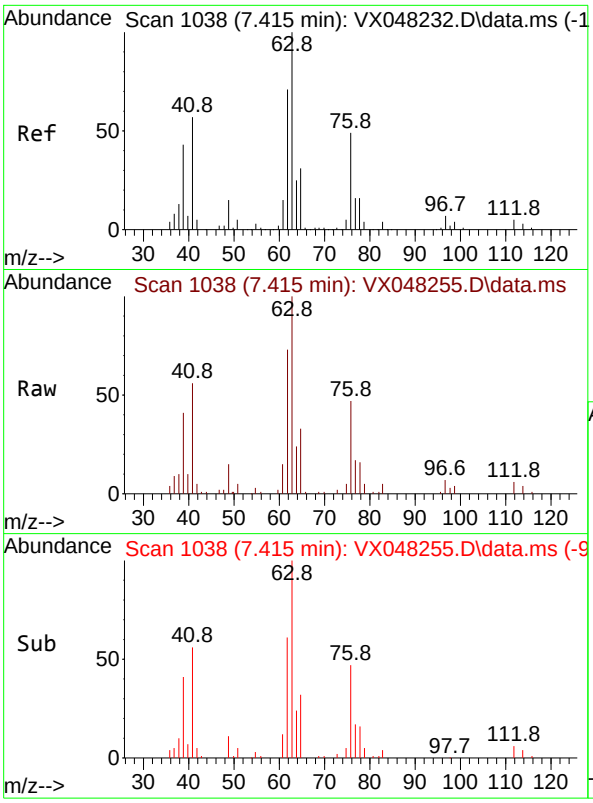



#44
Trichloroethene
Concen: 18.107 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:130 Resp: 30995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.9 | 0.0 | 200.6 |

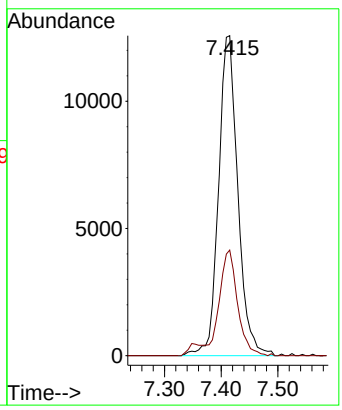





#45
1,2-Dichloropropane
Concen: 19.252 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 63 Resp: 2967

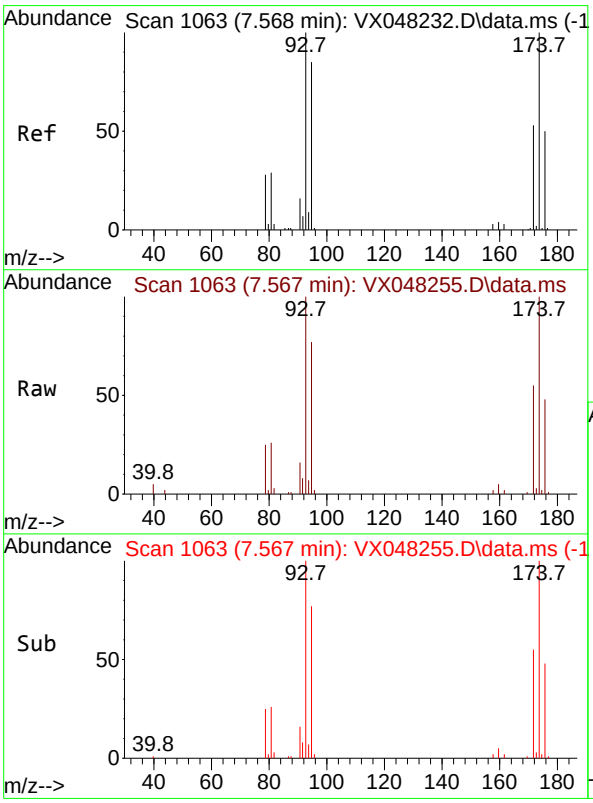
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.0 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

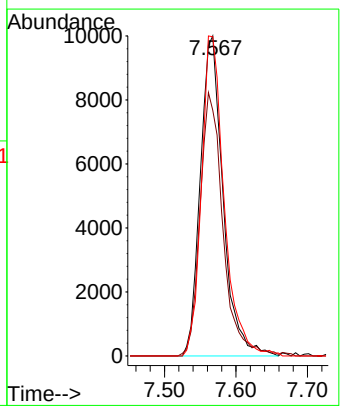
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

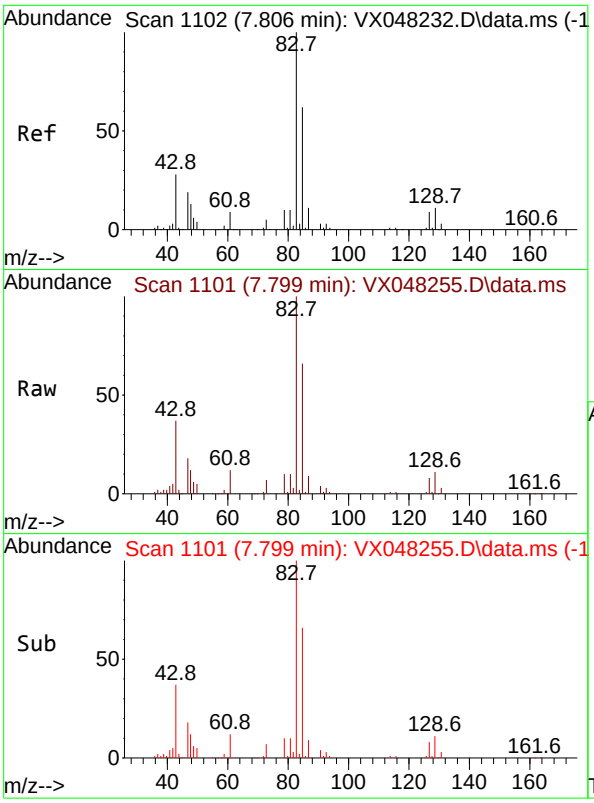



#46
Dibromomethane
Concen: 18.352 ug/l
RT: 7.567 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 93 Resp: 22037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.8 | 65.9 | 98.9 |
| 174 | 100.0 | 71.7 | 107.5 |

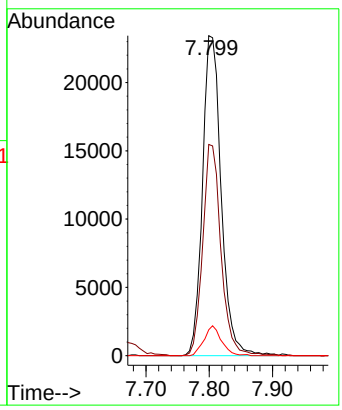





#47
Bromodichloromethane
Concen: 18.606 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 83 Resp: 4824

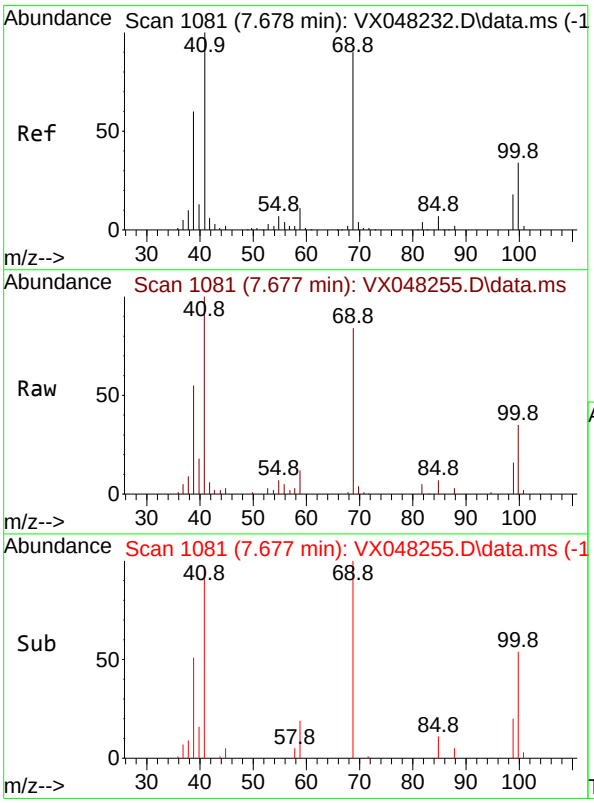
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.0 | 52.2 | 78.4 |
| 127 | 8.1 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

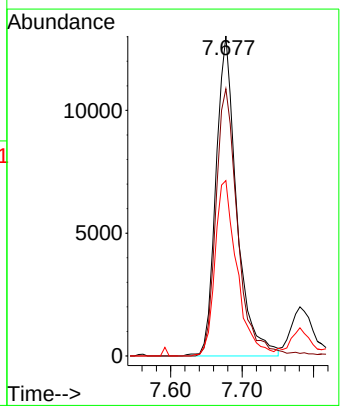
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

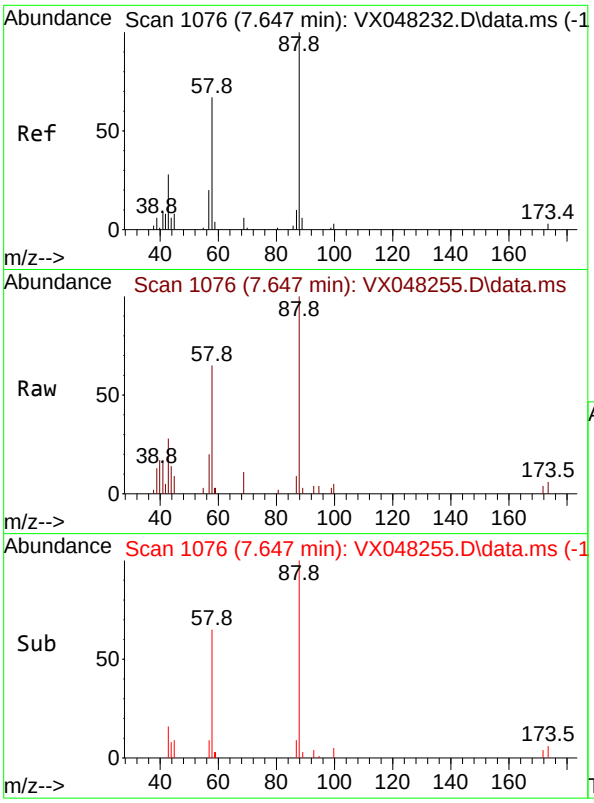



#48
Methyl methacrylate
Concen: 17.158 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 41 Resp: 26320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.9 | 63.4 | 95.0 |
| 39 | 57.9 | 47.1 | 70.7 |

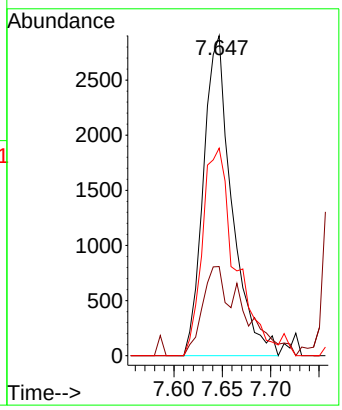





#49
1,4-Dioxane
Concen: 292.405 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 88 Resp: 592

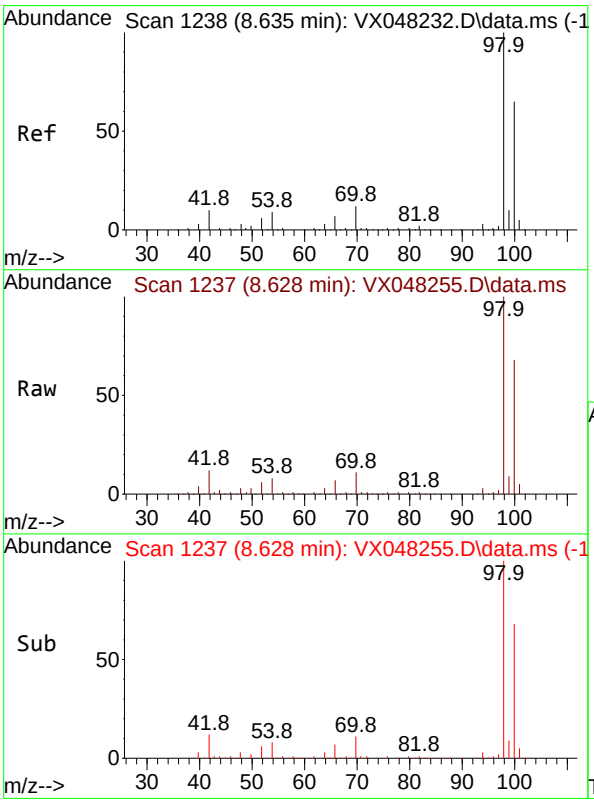
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 24.0 | 35.0 | 52.4 |
| 58 | 75.7 | 61.9 | 92.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

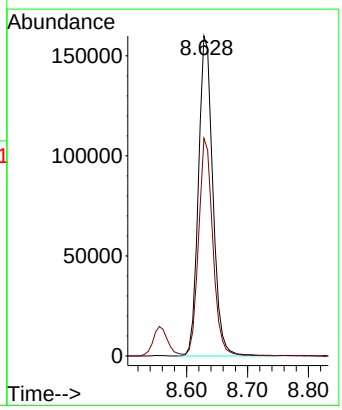
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

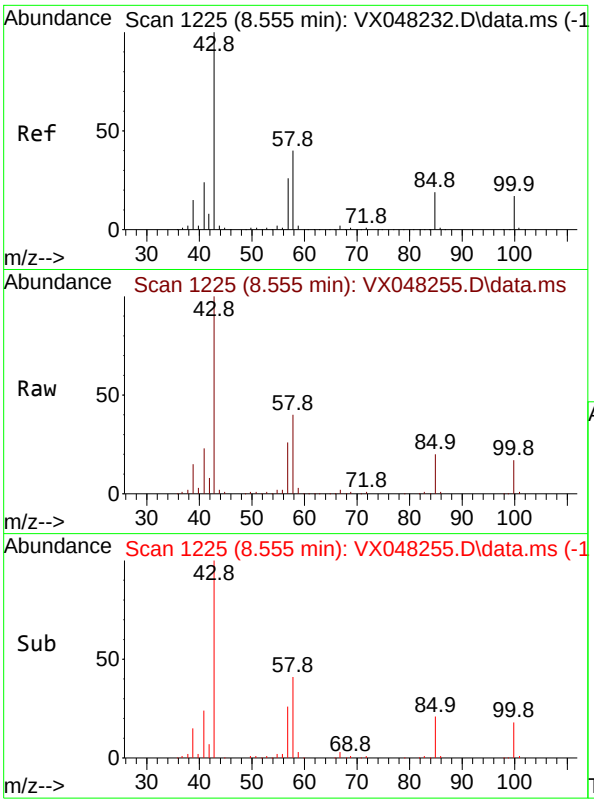



#50
Toluene-d8
Concen: 47.776 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 98 Resp: 263067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.1 | 53.0 | 79.4 |

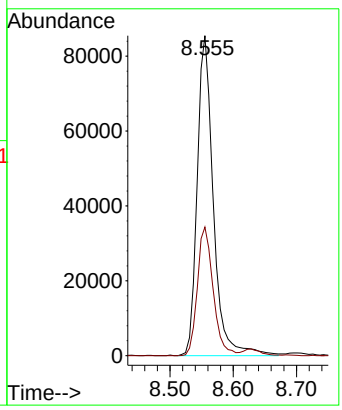





#51
4-Methyl-2-Pentanone
Concen: 86.877 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 43 Resp: 15227

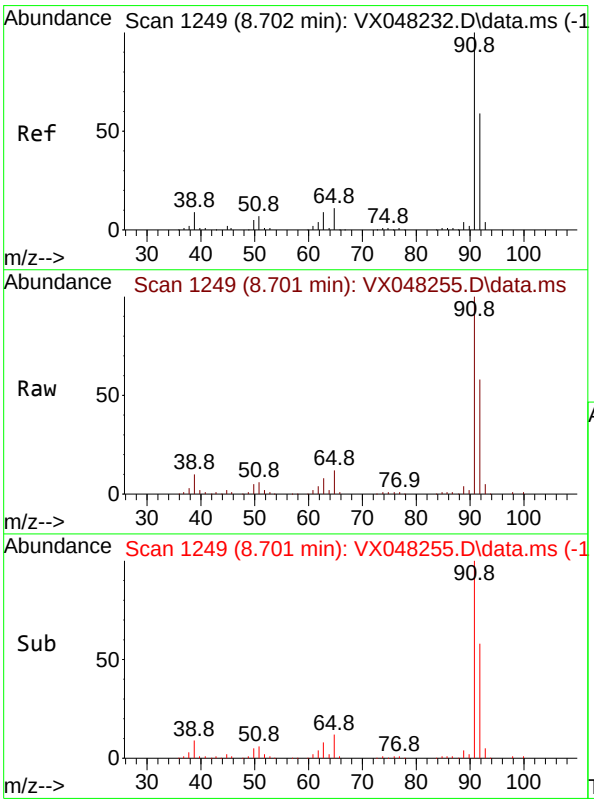
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.2 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

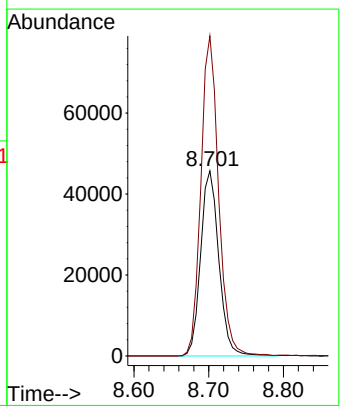
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

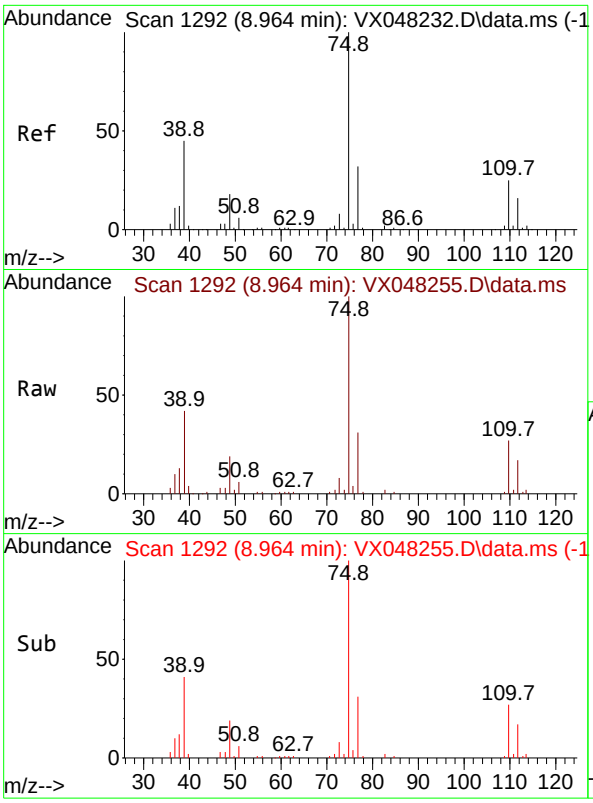



#52
Toluene
Concen: 18.755 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 92 Resp: 77240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.4 | 136.1 | 204.1 |

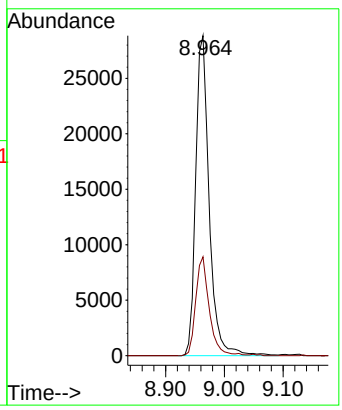





#53
t-1,3-Dichloropropene
Concen: 18.419 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 4602

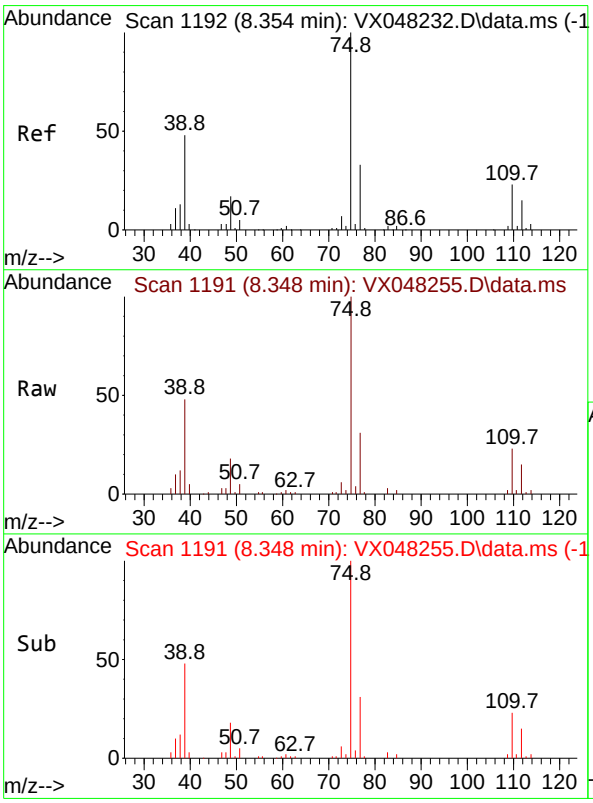
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

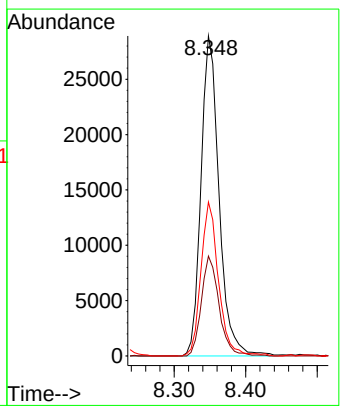
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

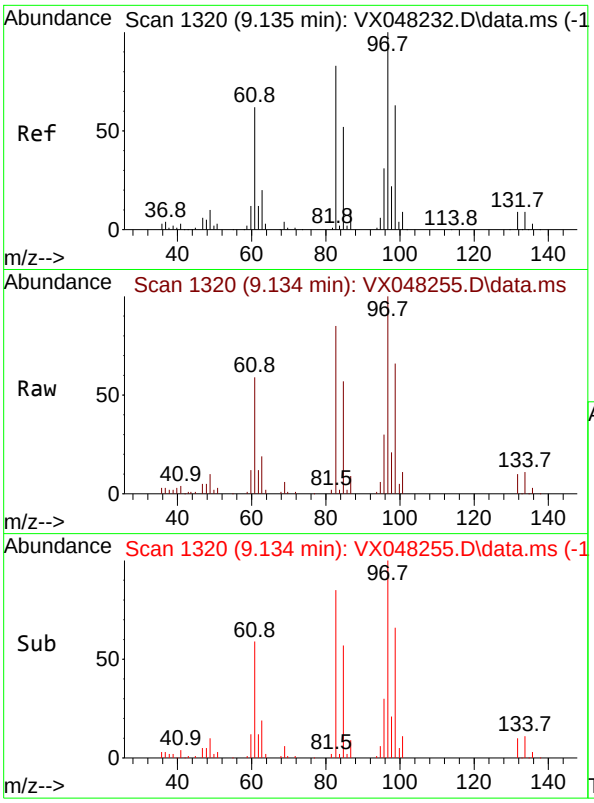



#54
cis-1,3-Dichloropropene
Concen: 18.810 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 50705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 24.9 | 37.3 |
| 39 | 48.1 | 42.6 | 64.0 |

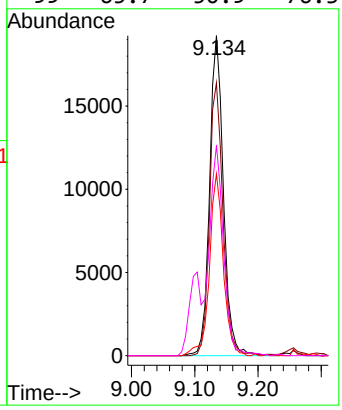





#55
1,1,2-Trichloroethane
Concen: 19.140 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 97 Resp: 2931

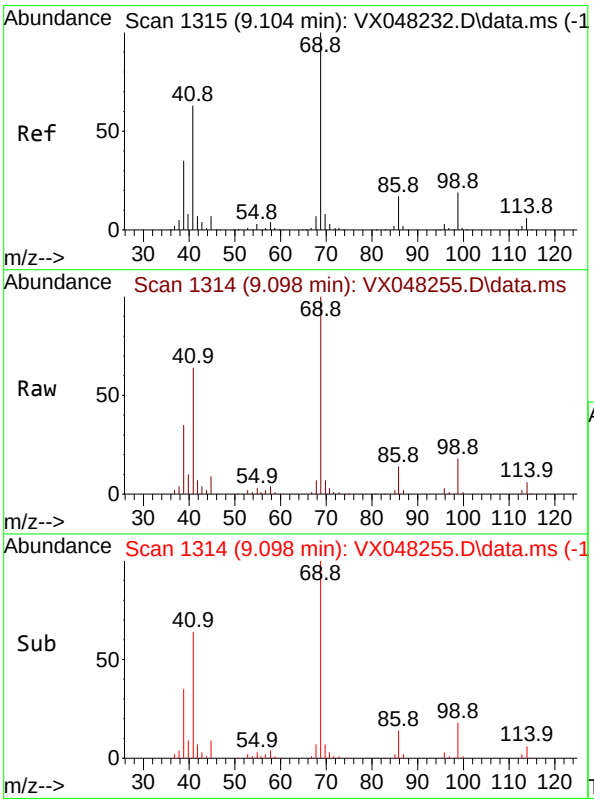
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.2 | 70.6 | 105.8 |
| 85 | 56.8 | 45.0 | 67.6 |
| 99 | 65.7 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

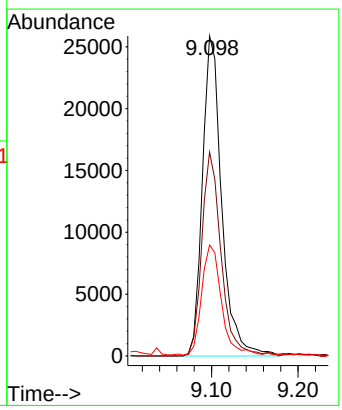
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

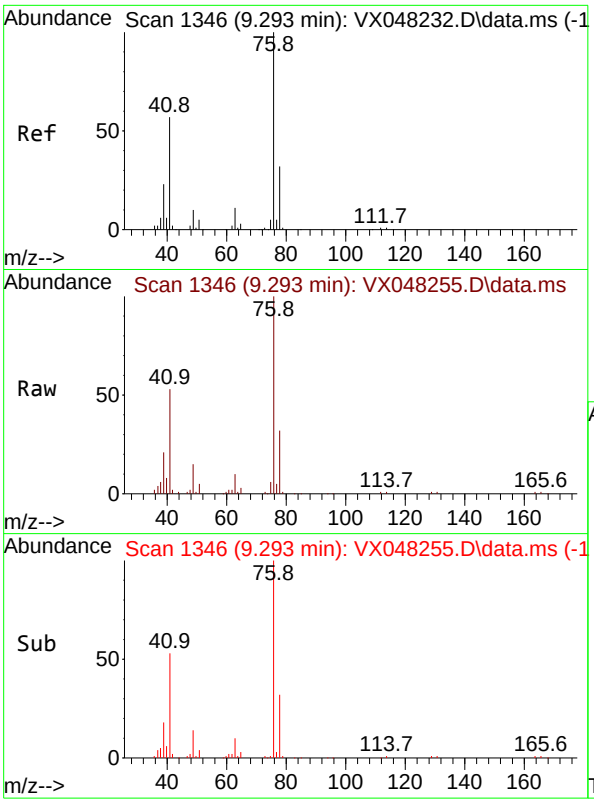



#56
Ethyl methacrylate
Concen: 17.852 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 69 Resp: 39990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.4 | 56.0 | 84.0 |
| 39 | 35.4 | 31.6 | 47.4 |

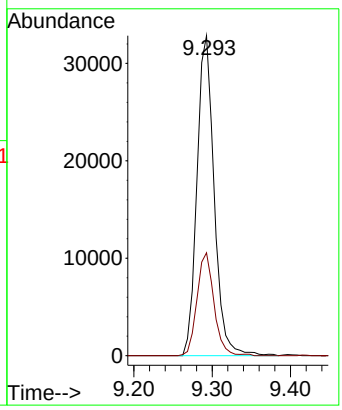





#57
1,3-Dichloropropane
Concen: 19.160 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 76 Resp: 5012

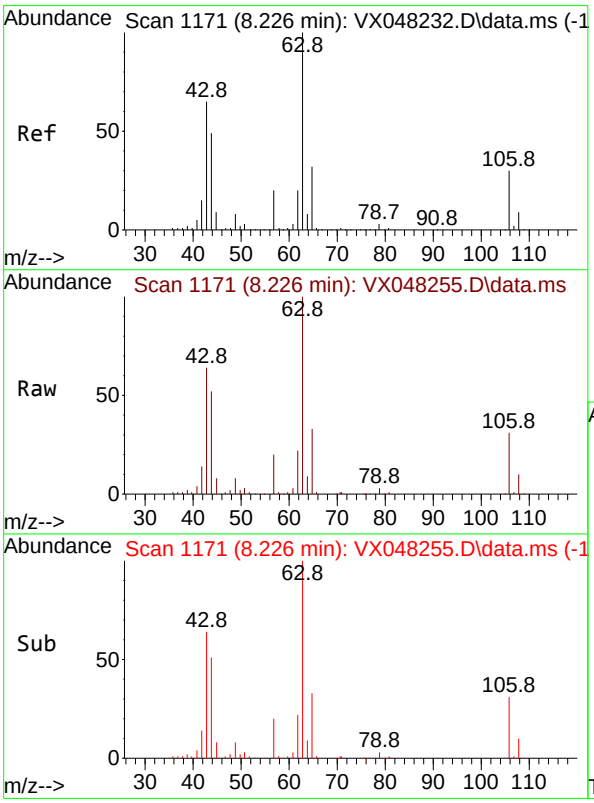
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.8 | 25.4 | 38.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

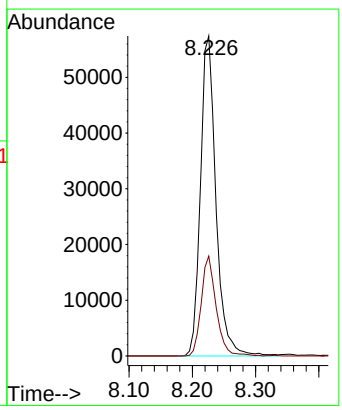
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

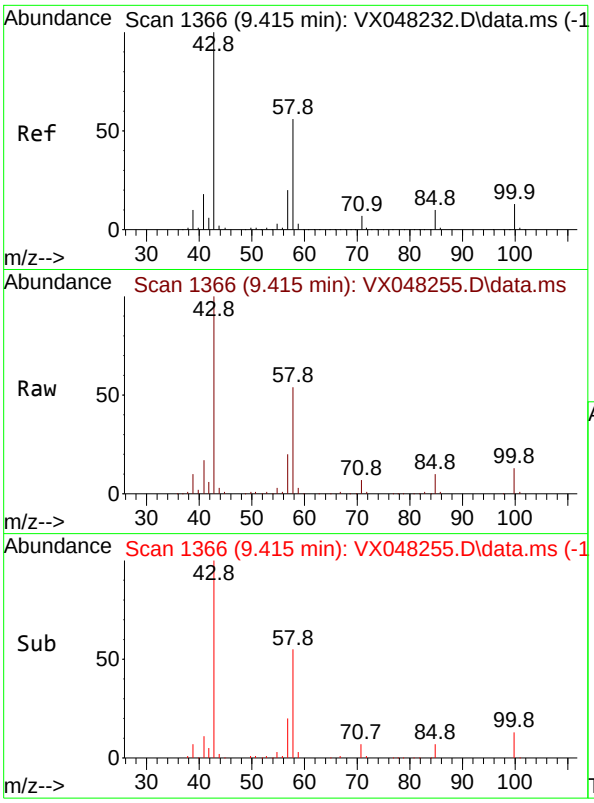



#58
2-Chloroethyl Vinyl ether
Concen: 82.586 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 63 Resp: 98096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.0 | 22.2 | 33.2 |

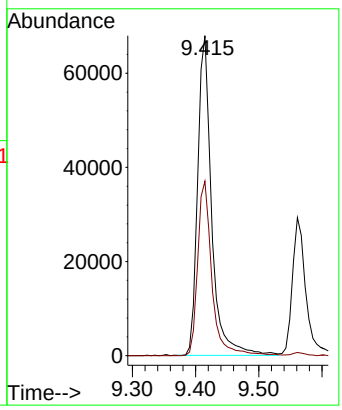





#59
2-Hexanone
Concen: 85.909 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 43 Resp: 10499

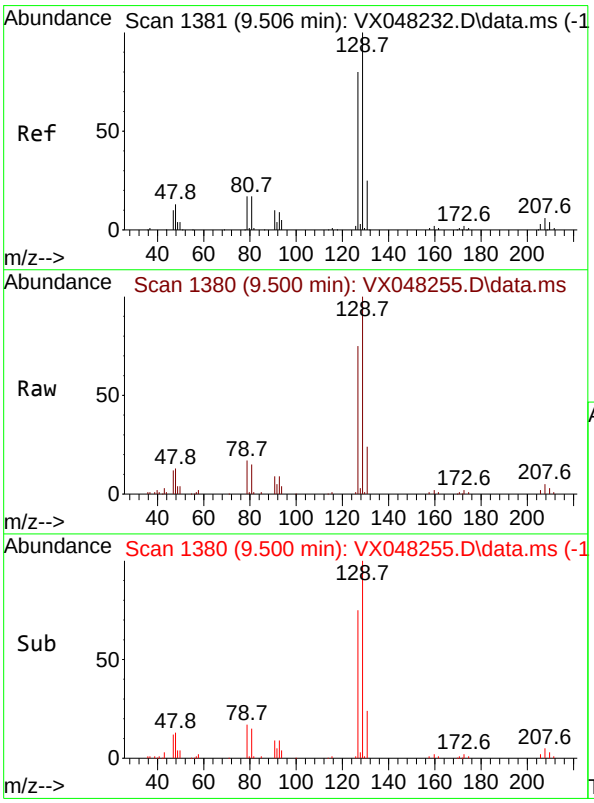
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.3 | 26.3 | 78.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

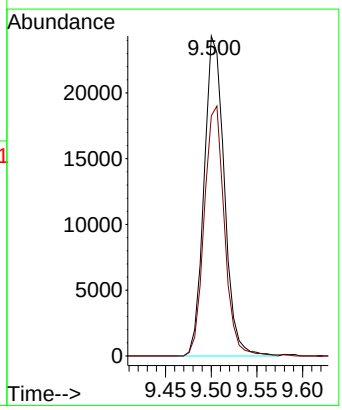
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

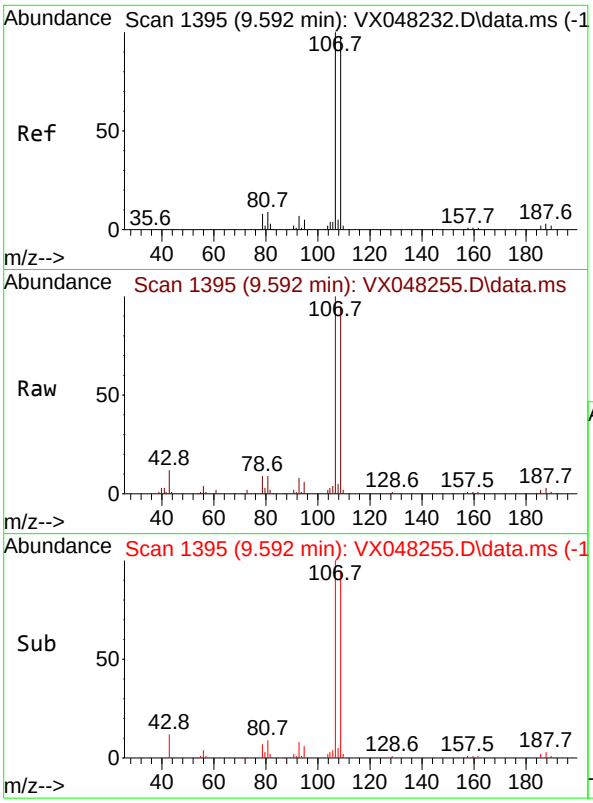



#60
Dibromochloromethane
Concen: 18.114 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:129 Resp: 37288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.1 | 38.6 | 115.7 |

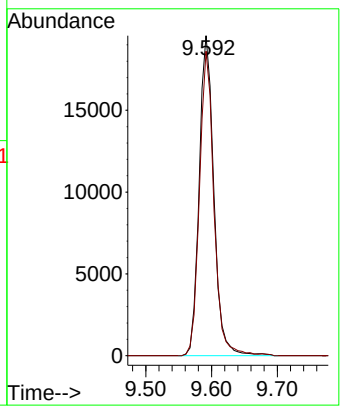





#61
1,2-Dibromoethane
Concen: 18.554 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:107 Resp: 3029

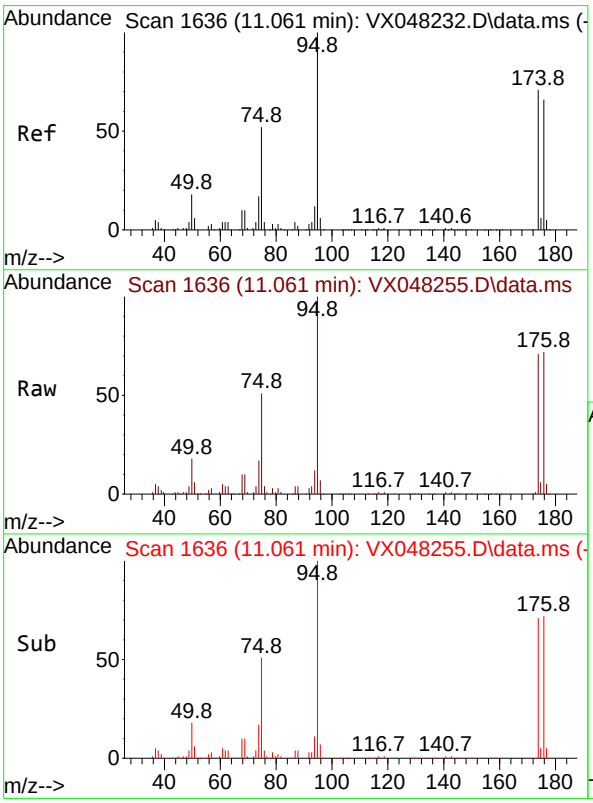
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.2 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

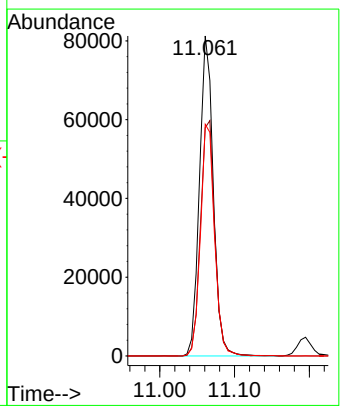
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

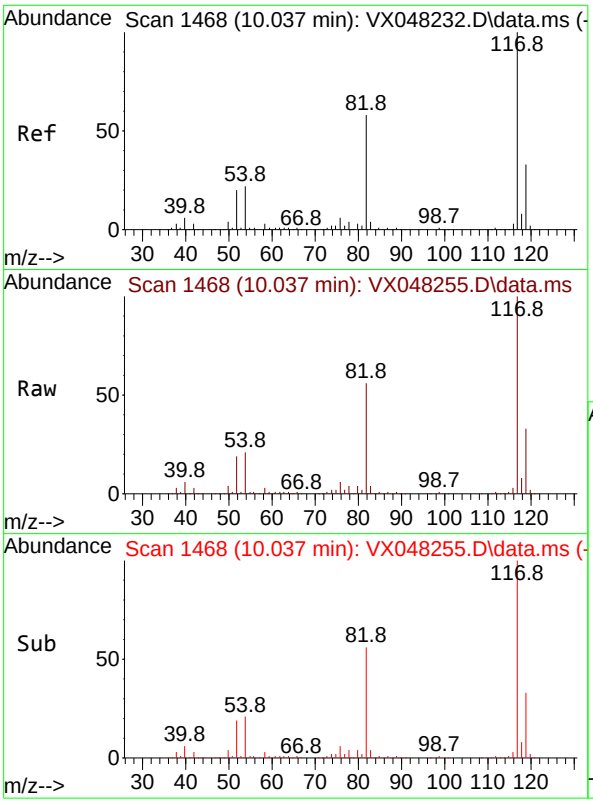



#62
4-Bromofluorobenzene
Concen: 49.702 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 95 Resp: 104113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.4 | 0.0 | 147.8 |
| 176 | 74.0 | 0.0 | 142.8 |

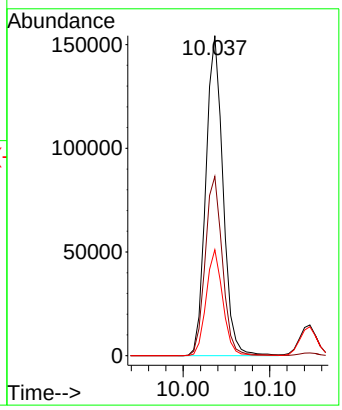





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:117 Resp: 21234

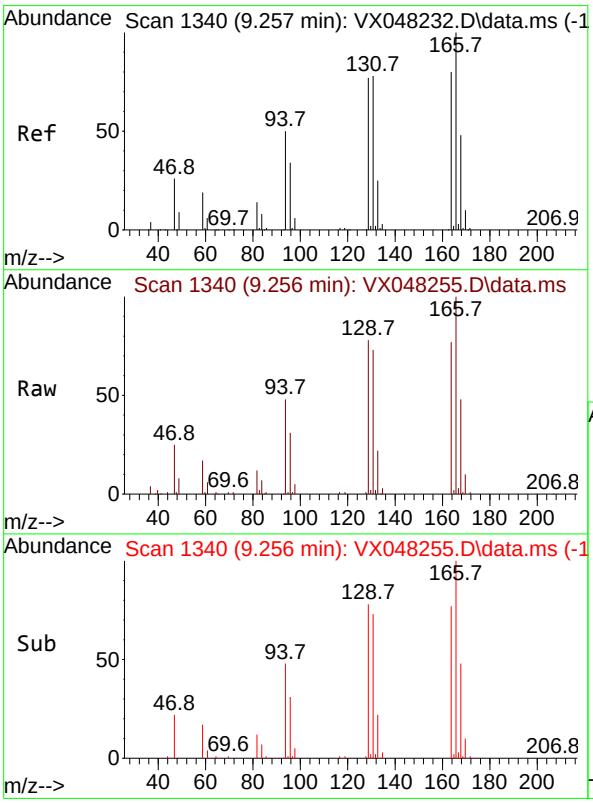
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.0 | 46.5 | 69.7 |
| 119 | 33.1 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

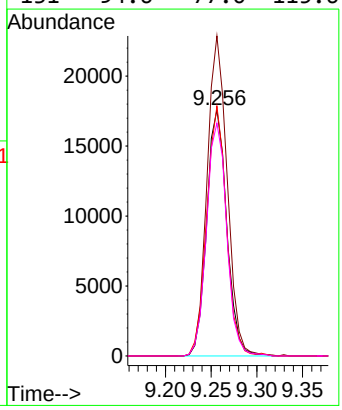
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

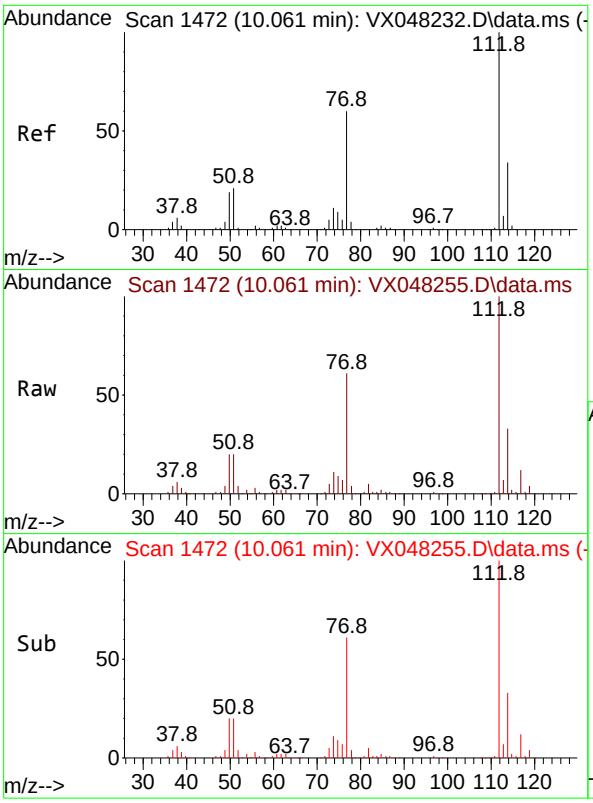



#64
Tetrachloroethene
Concen: 16.909 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:164 Resp: 26804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.0 | 104.5 | 156.7 |
| 129 | 101.5 | 81.8 | 122.6 |
| 131 | 94.6 | 77.0 | 115.6 |

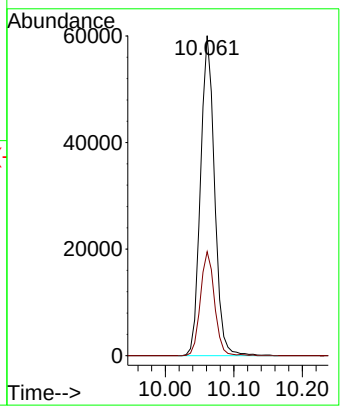





#65
Chlorobenzene
Concen: 17.974 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:112 Resp: 8585

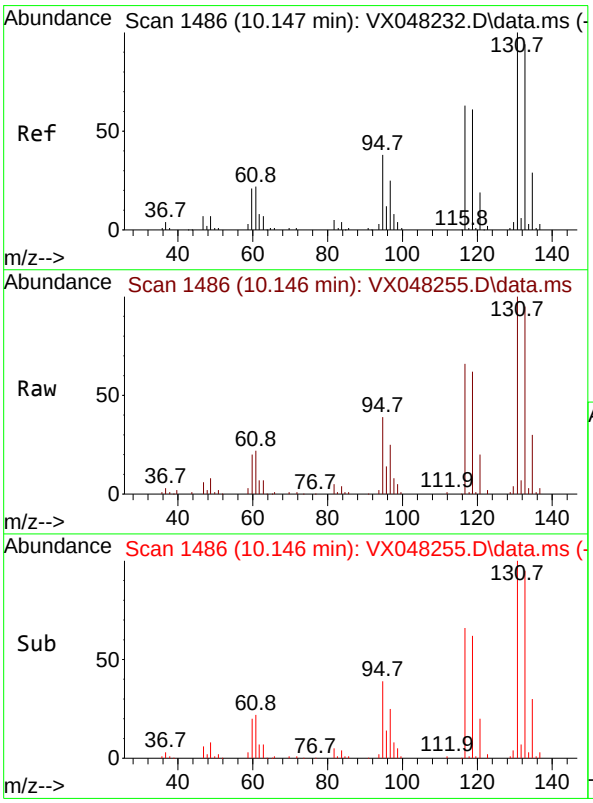
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.5 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

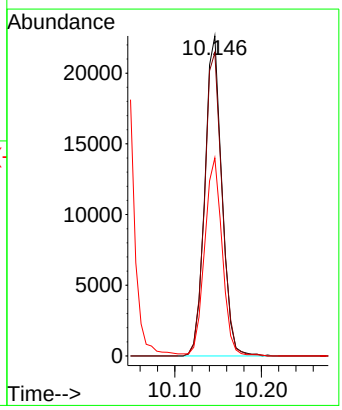
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

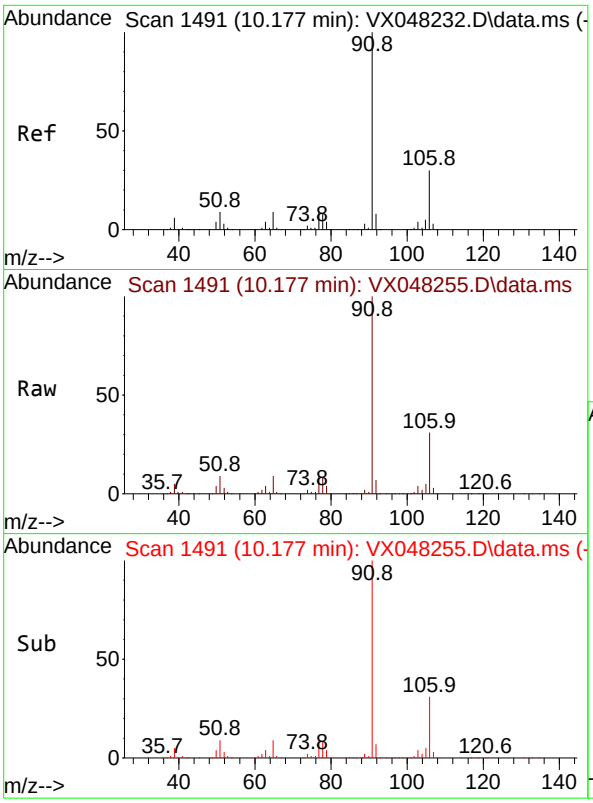



#66
1,1,1,2-Tetrachloroethane
Concen: 17.566 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:131 Resp: 30819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 97.7 | 47.6 | 142.8 |
| 119 | 63.9 | 32.5 | 97.5 |

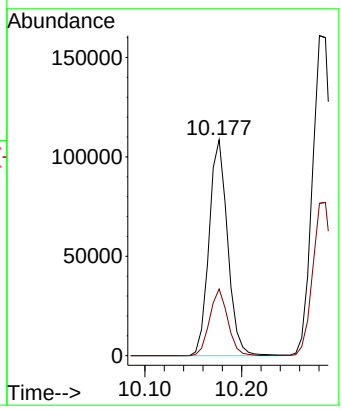





#67
Ethyl Benzene
Concen: 17.824 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 91 Resp: 14495

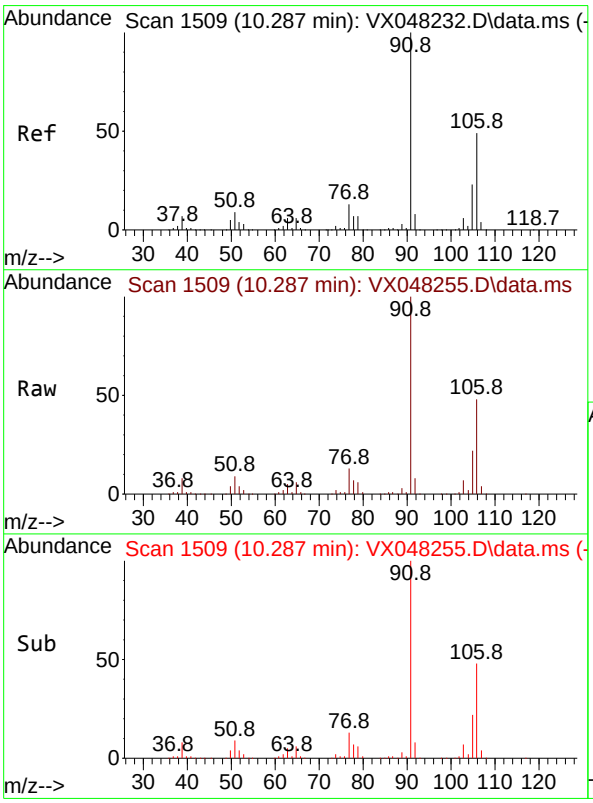
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.9 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

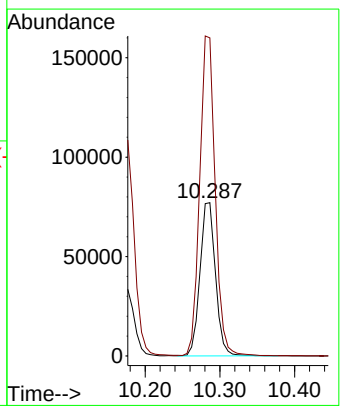
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

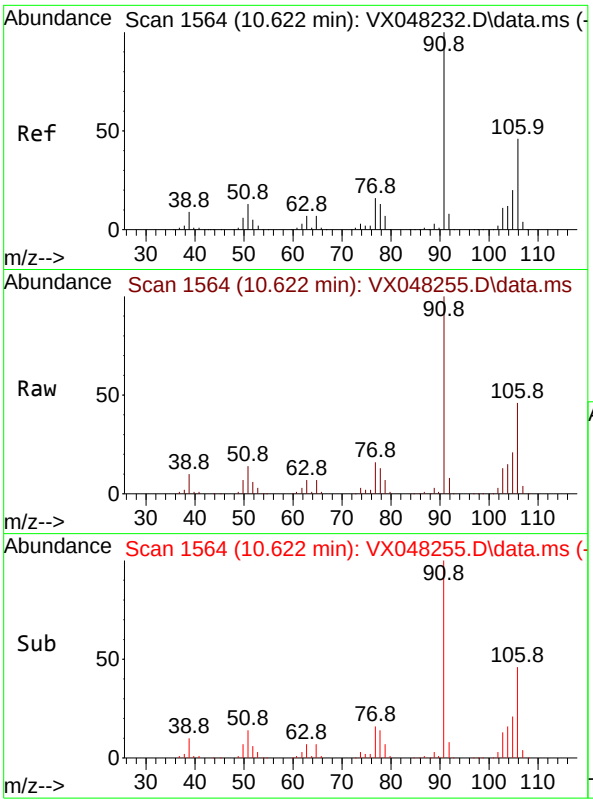



#68
m/p-Xylenes
Concen: 36.763 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:106 Resp: 111086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.0 | 167.9 | 251.9 |






#69
o-Xylene
Concen: 18.060 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

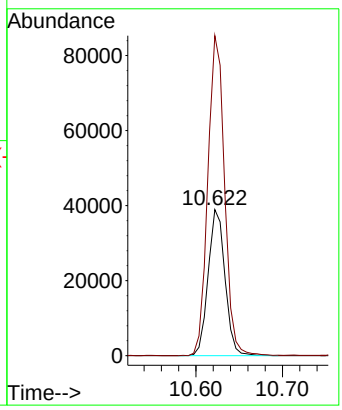
Tgt Ion:106 Resp: 5268

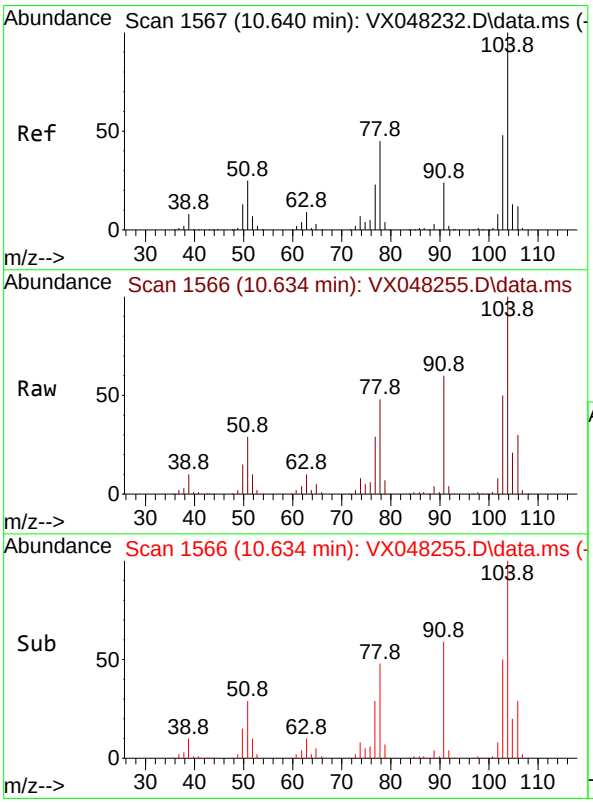
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.5 | 111.3 | 333.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

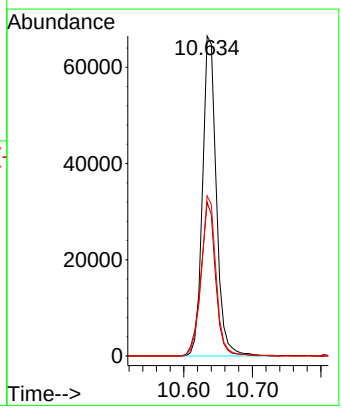


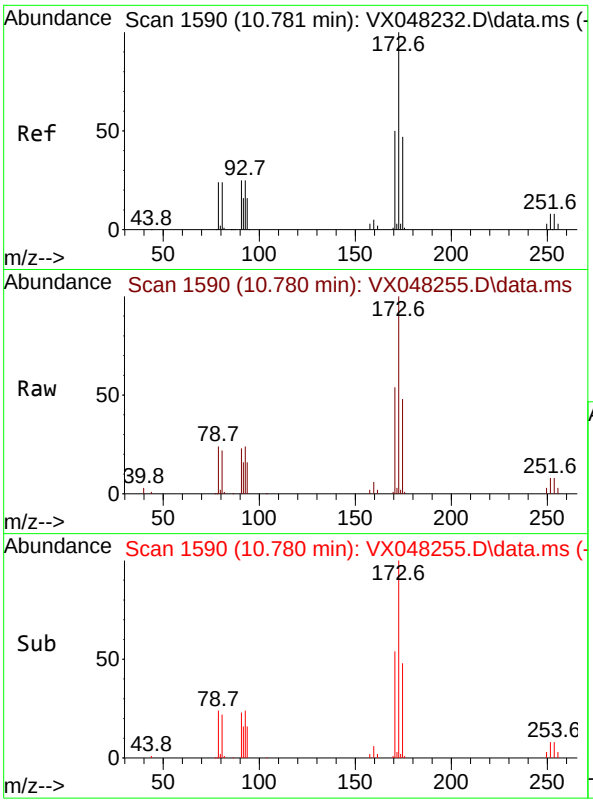




#70
Styrene
Concen: 18.838 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:104 Resp: 93575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.4 | 42.2 | 63.4 |
| 103 | 53.3 | 43.0 | 64.4 |

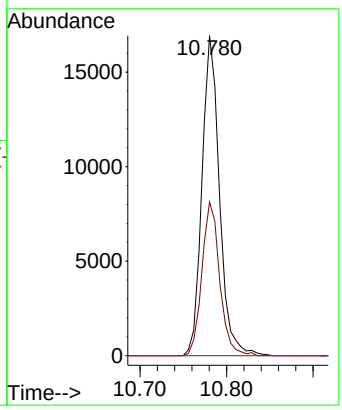





#71
Bromoform
Concen: 16.952 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:173 Resp: 2377

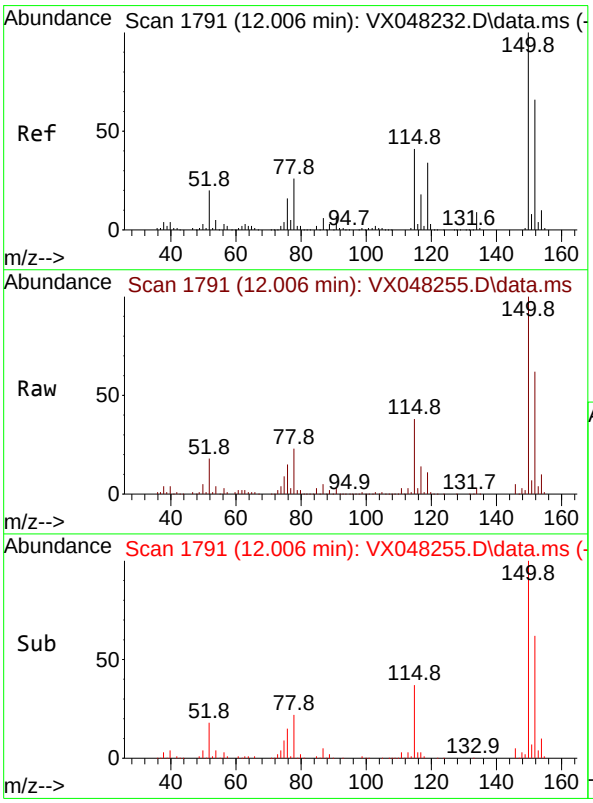
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

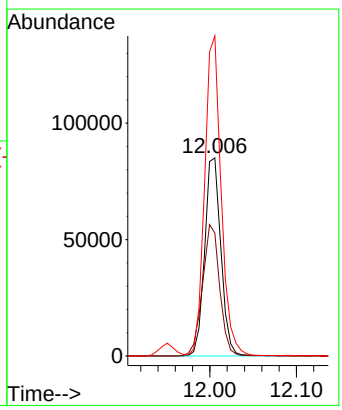
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

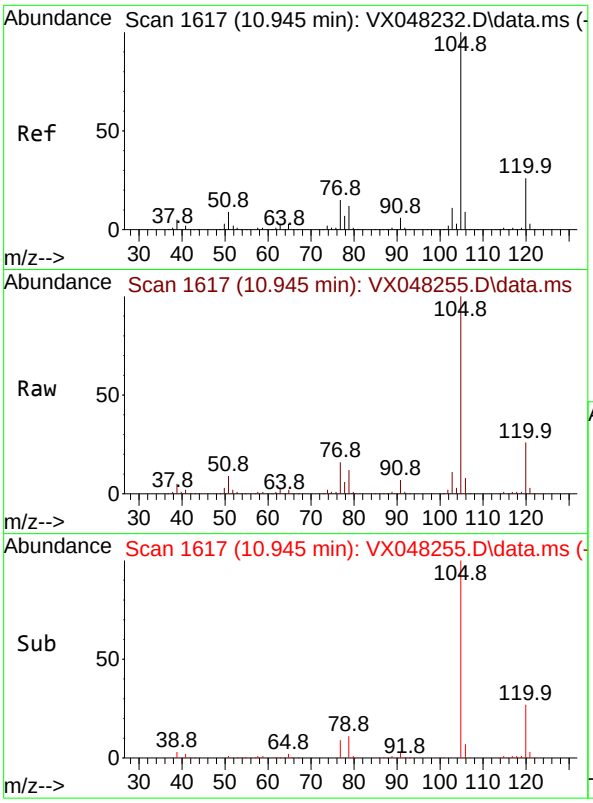



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:152 Resp: 110789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.2 | 43.1 | 129.4 |
| 150 | 163.8 | 0.0 | 353.0 |

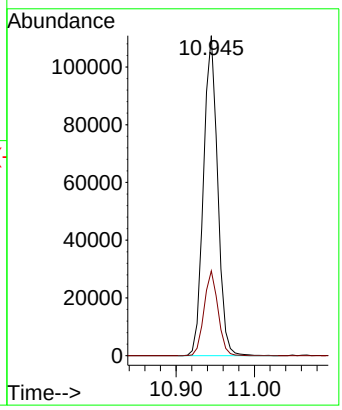





#73
Isopropylbenzene
Concen: 17.144 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:105 Resp: 13872

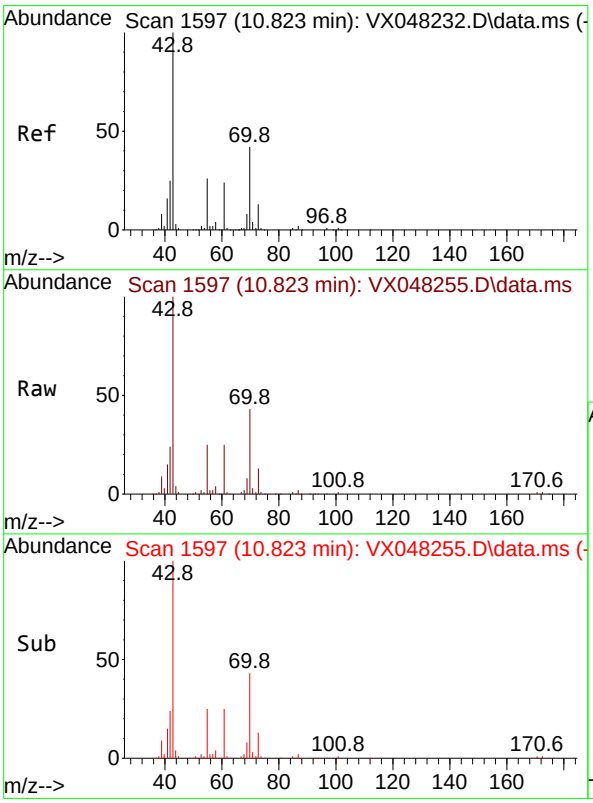
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

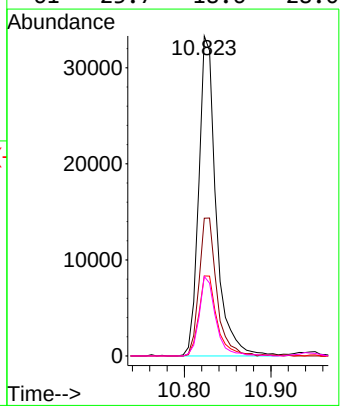
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

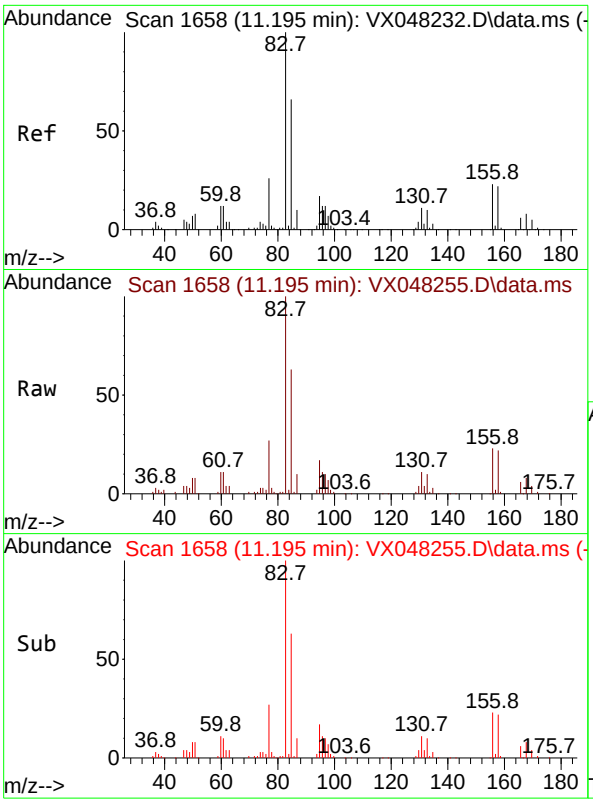



#74
N-amyl acetate
Concen: 16.144 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 43 Resp: 46339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 43.9 | 32.2 | 48.2 |
| 55 | 26.2 | 19.1 | 28.7 |
| 61 | 23.7 | 18.6 | 28.0 |






#75
1,1,2,2-Tetrachloroethane
Concen: 17.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

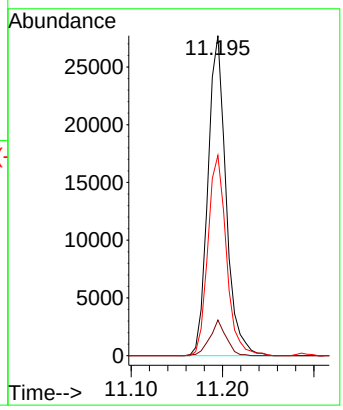
Tgt Ion: 83 Resp: 3812

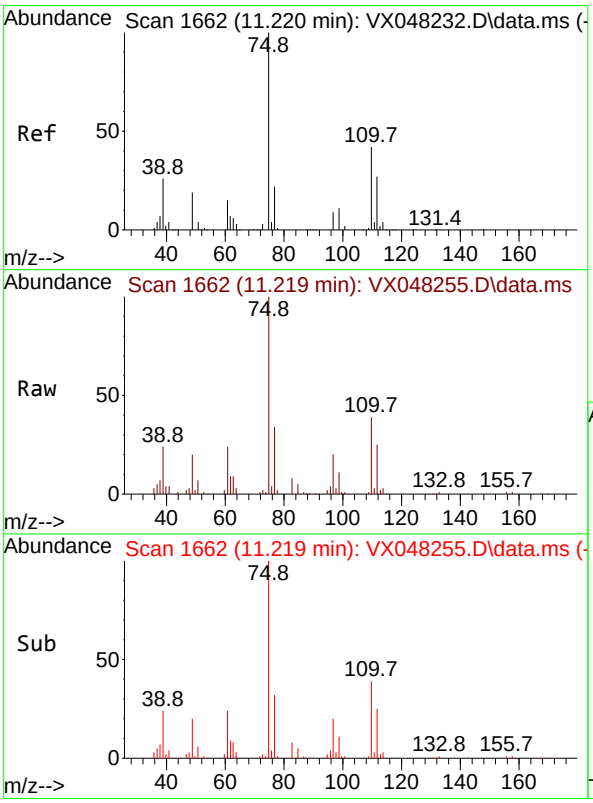
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 4.8 | 14.4 |
| 85 | 63.9 | 31.9 | 95.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

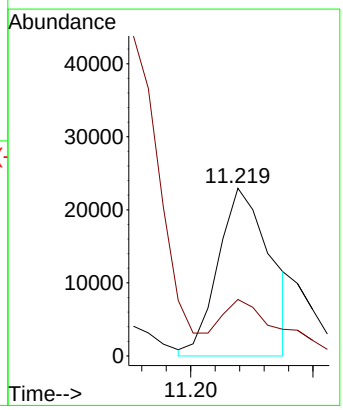


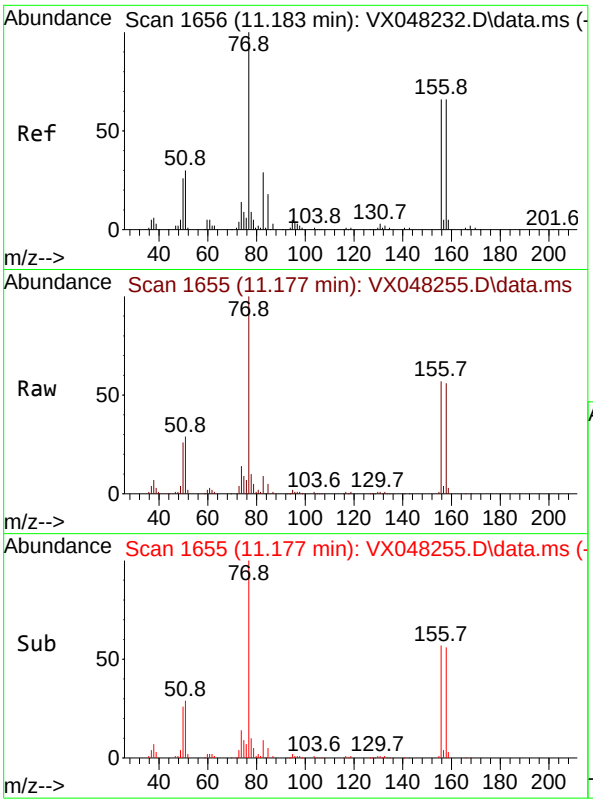




#76
1,2,3-Trichloropropane
Concen: 18.905 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 33965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.7 | 22.4 | 67.2 |

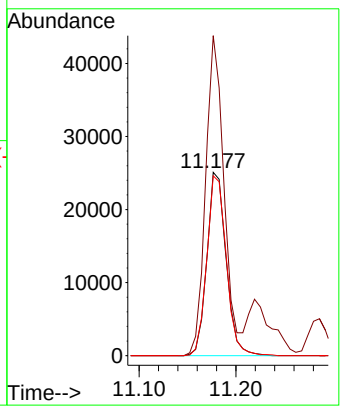





#77
Bromobenzene
Concen: 17.087 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:156 Resp: 3466

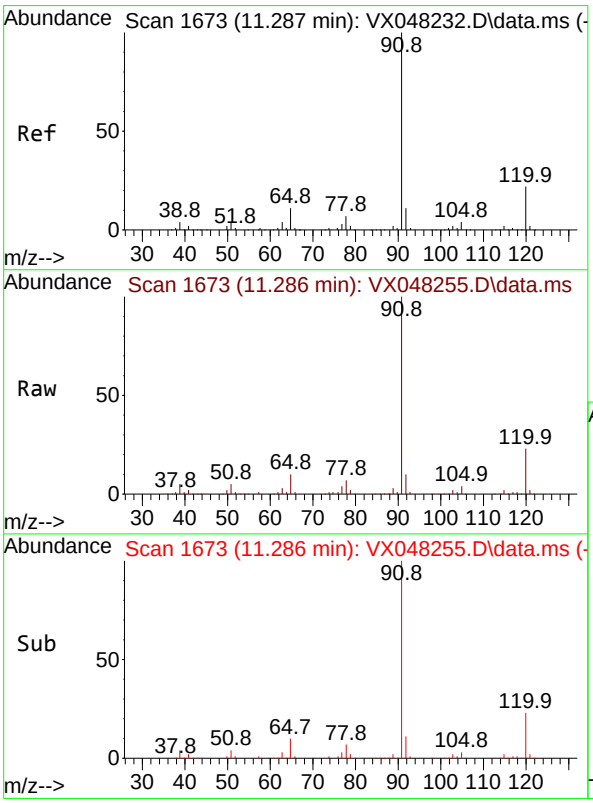
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 164.6 | 87.0 | 261.0 |
| 158 | 99.9 | 47.8 | 143.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

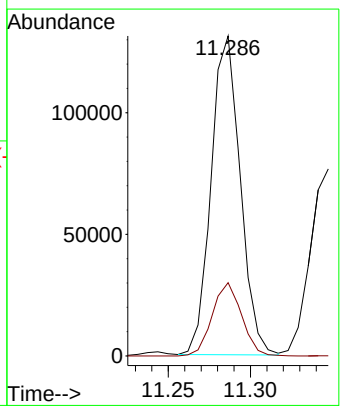
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

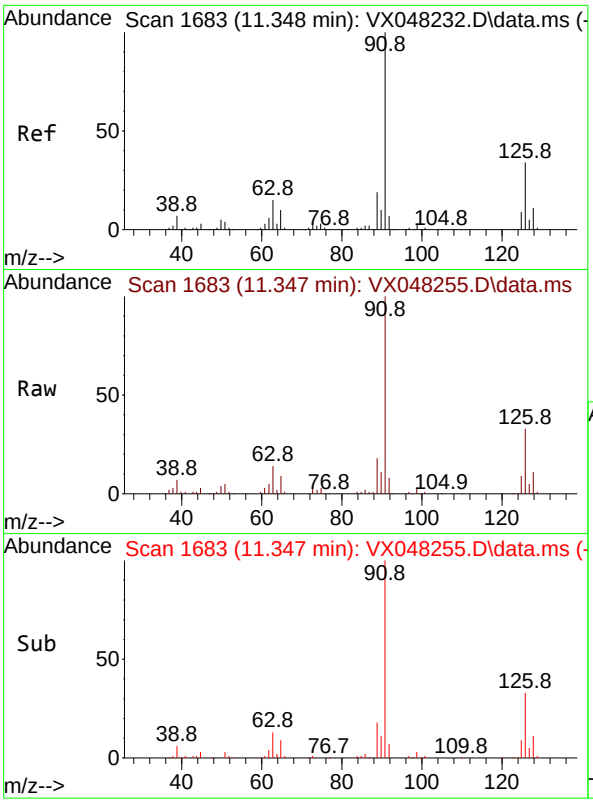



#78
n-propylbenzene
Concen: 17.266 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 91 Resp: 161765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.1 | 11.1 | 33.1 |






#79
2-Chlorotoluene
Concen: 17.293 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

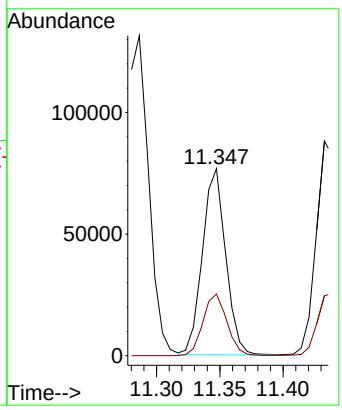
Tgt Ion: 91 Resp: 9823

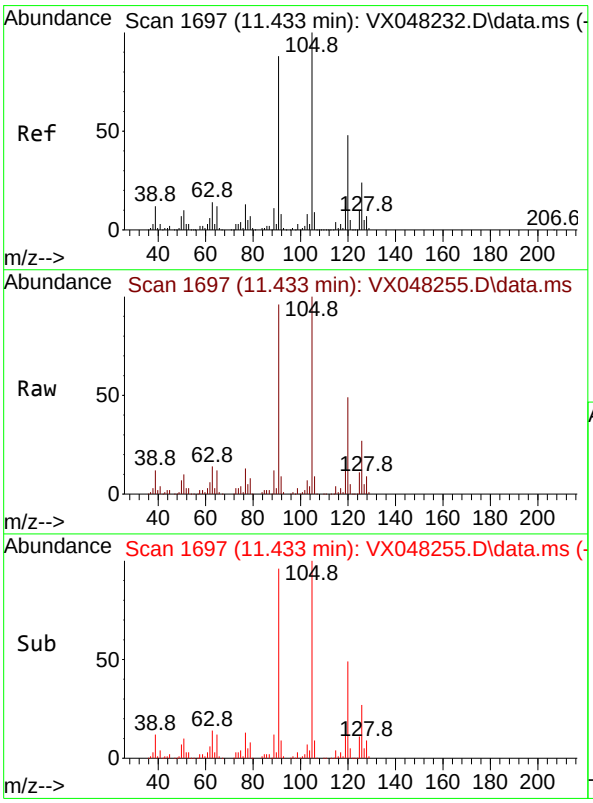
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.4 | 49.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

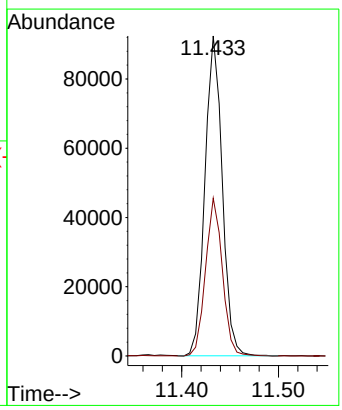


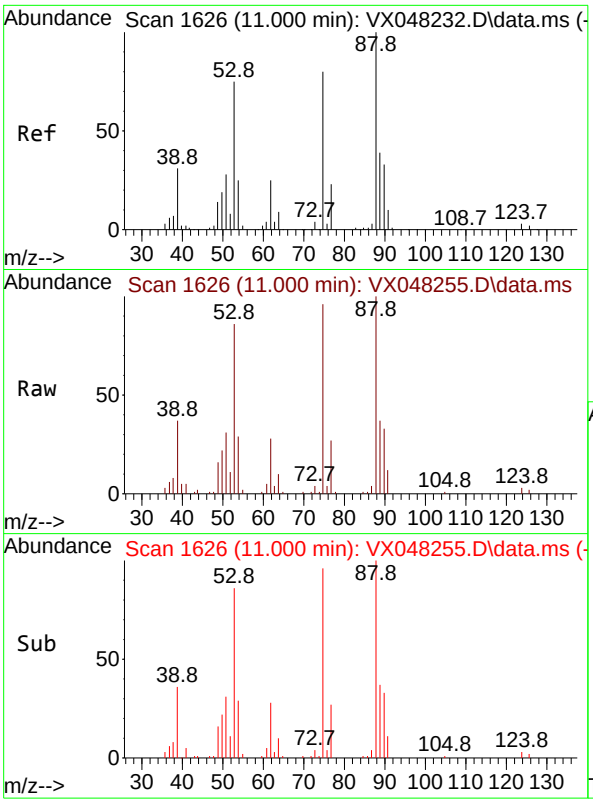




#80
1,3,5-Trimethylbenzene
Concen: 17.137 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:105 Resp: 114762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.0 | 72.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 16.530 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

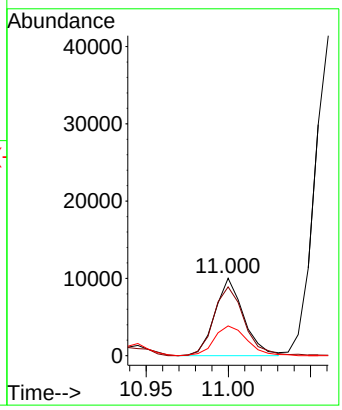
Tgt Ion: 75 Resp: 1220

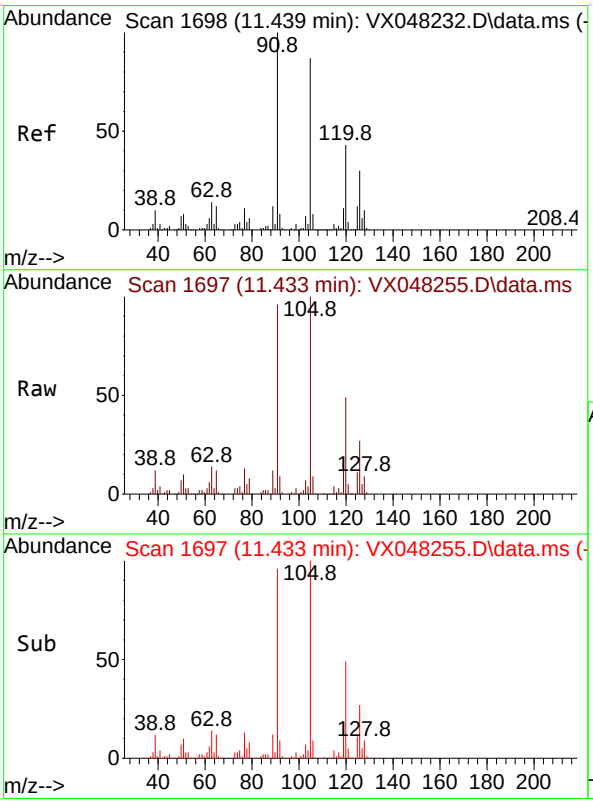
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 95.6 | 79.5 | 119.3 |
| 89 | 43.7 | 36.8 | 55.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

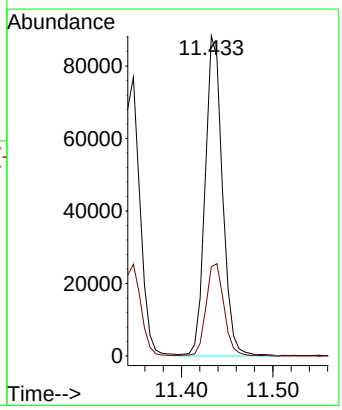


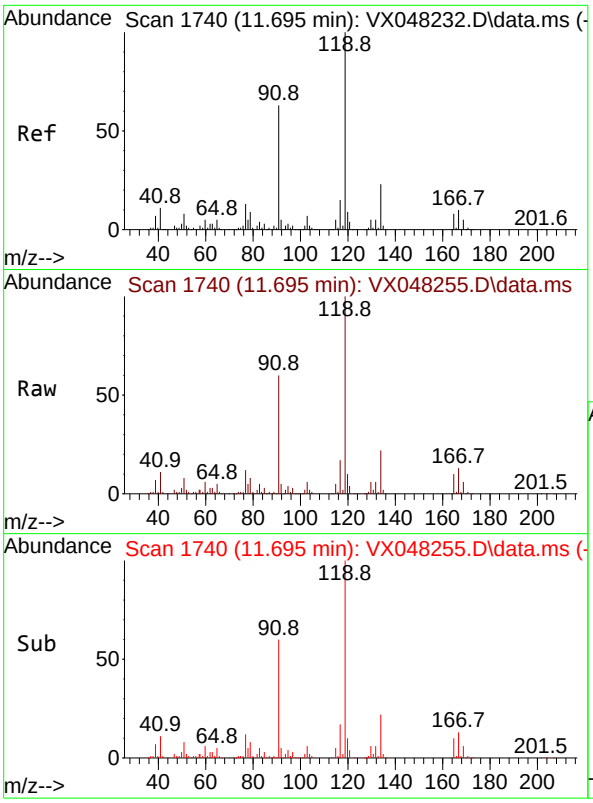




#82
4-Chlorotoluene
Concen: 17.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 91 Resp: 115993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.0 | 14.1 | 42.4 |

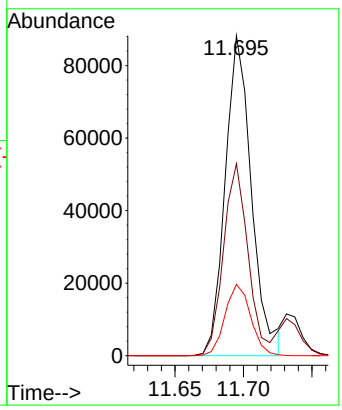





#83
tert-Butylbenzene
Concen: 17.108 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:119 Resp: 11771

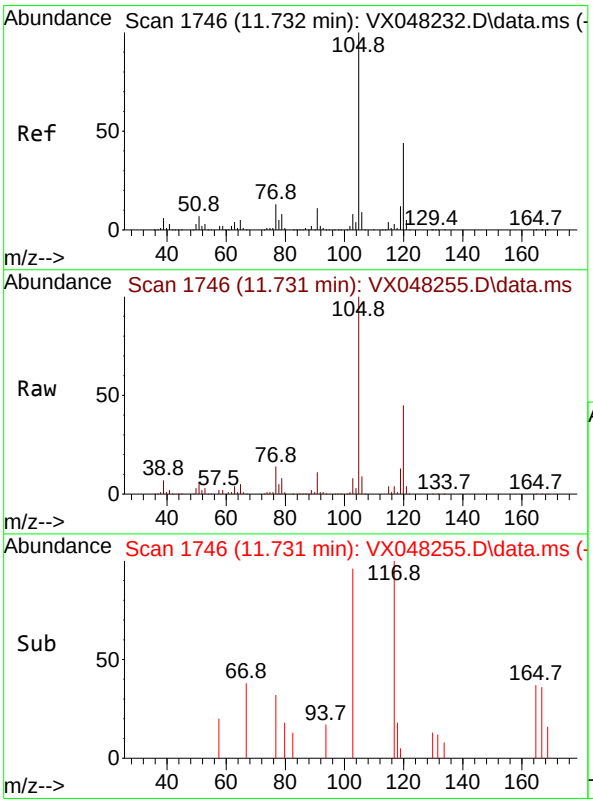
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 56.3 | 30.3 | 91.0 |
| 134 | 21.8 | 11.4 | 34.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

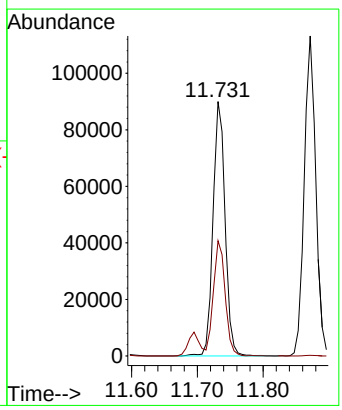
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

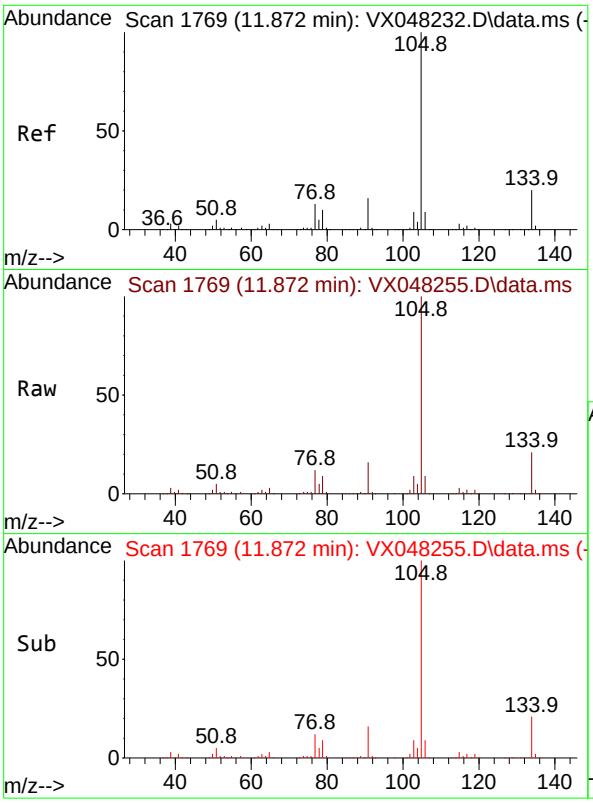



#84
1,2,4-Trimethylbenzene
Concen: 17.197 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:105 Resp: 114927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.5 |






#85
sec-Butylbenzene
Concen: 16.712 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

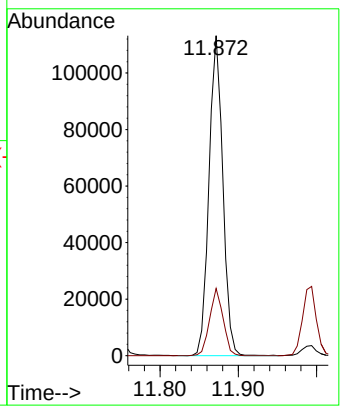
Tgt Ion:105 Resp: 13834

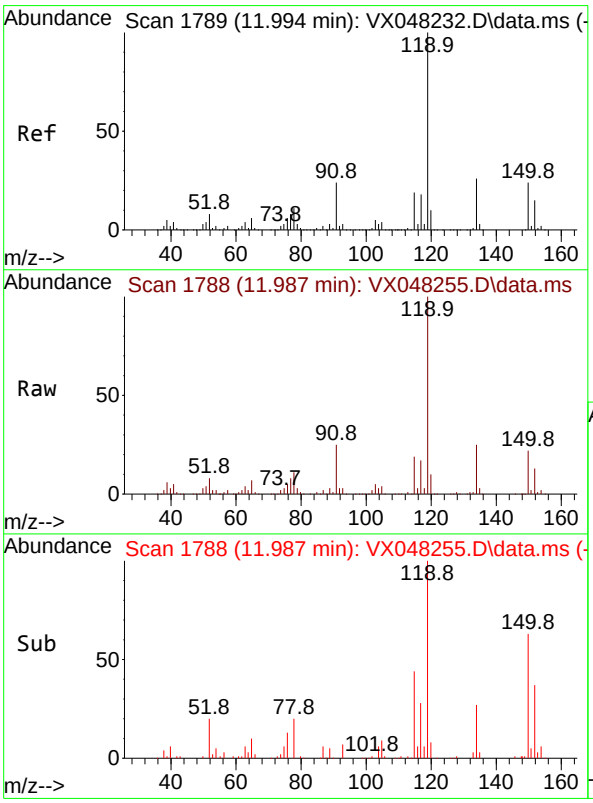
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 10.1 | 30.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

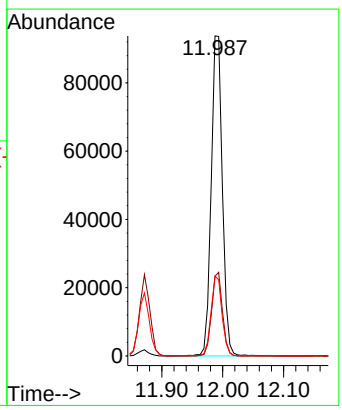


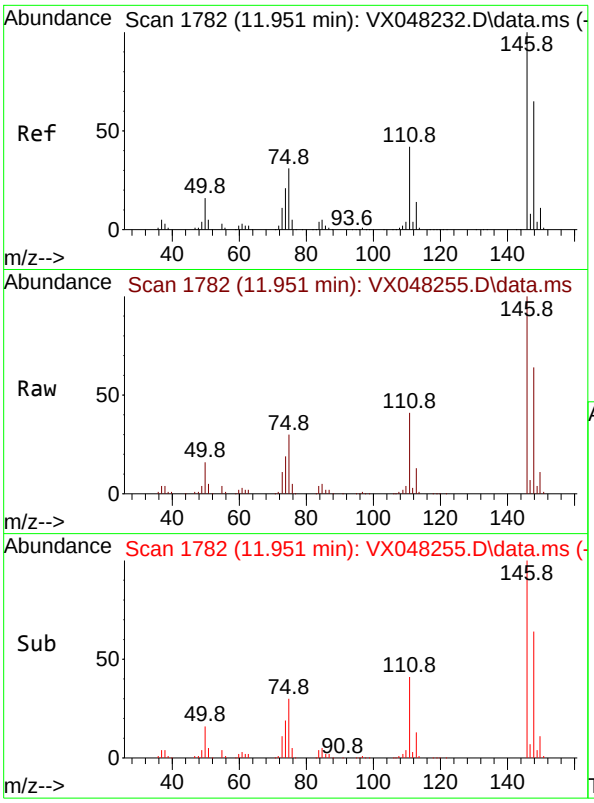




#86
p-Isopropyltoluene
Concen: 16.665 ug/l
RT: 11.987 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:119 Resp: 119237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.3 | 13.0 | 39.0 |
| 91 | 24.6 | 12.1 | 36.3 |

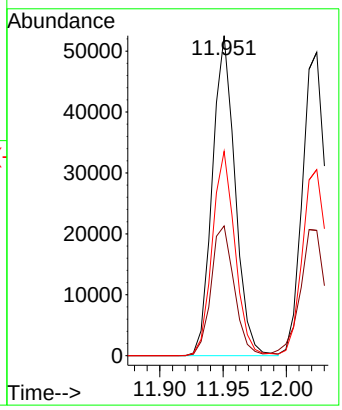





#87
1,3-Dichlorobenzene
Concen: 17.154 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:146 Resp: 6561

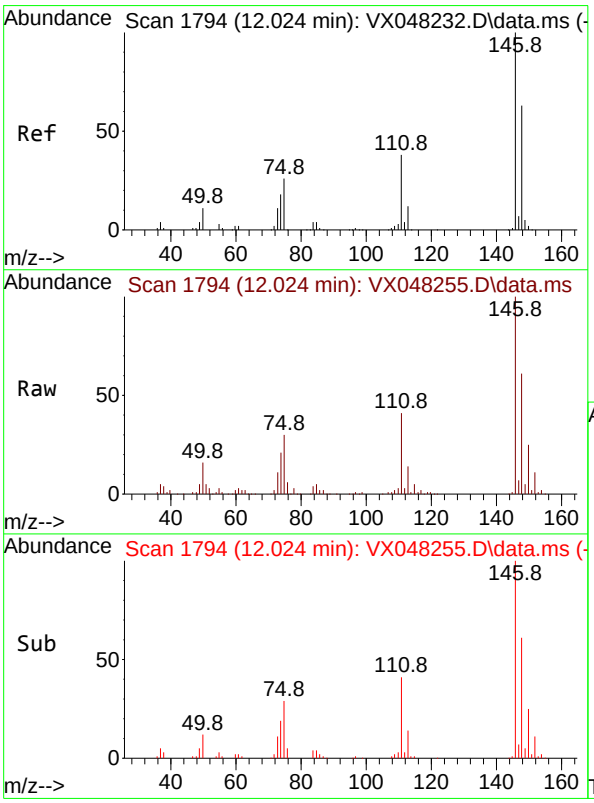
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.4 | 61.2 |
| 148 | 63.6 | 31.9 | 95.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

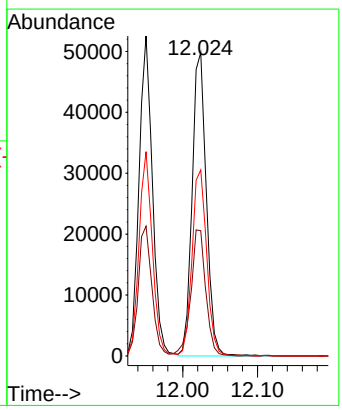
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

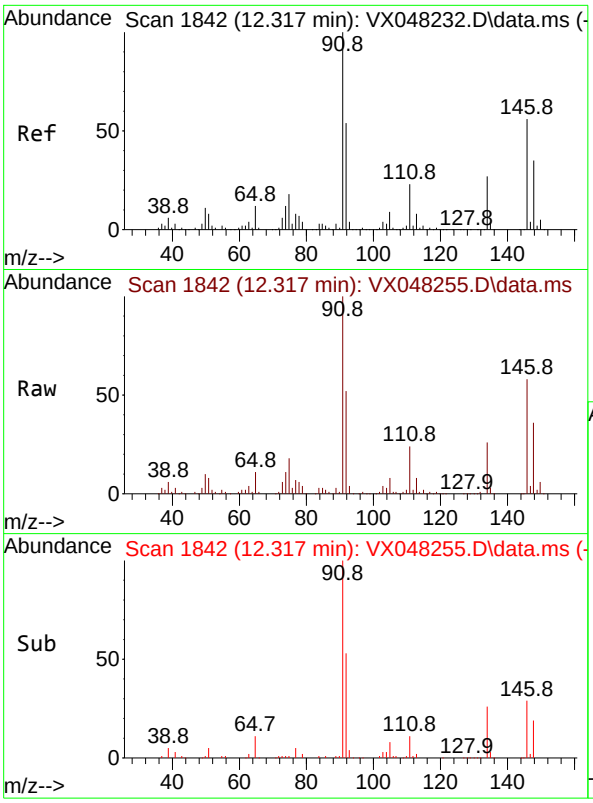



#88
1,4-Dichlorobenzene
Concen: 16.604 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:146 Resp: 65796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 20.1 | 60.2 |
| 148 | 63.3 | 31.8 | 95.3 |

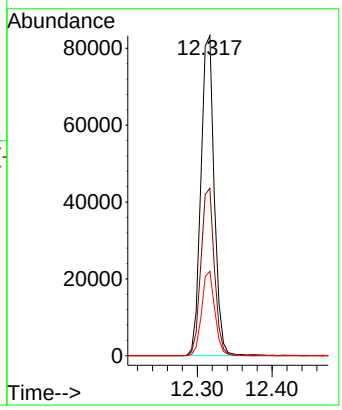





#89
n-Butylbenzene
Concen: 15.875 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 91 Resp: 10338

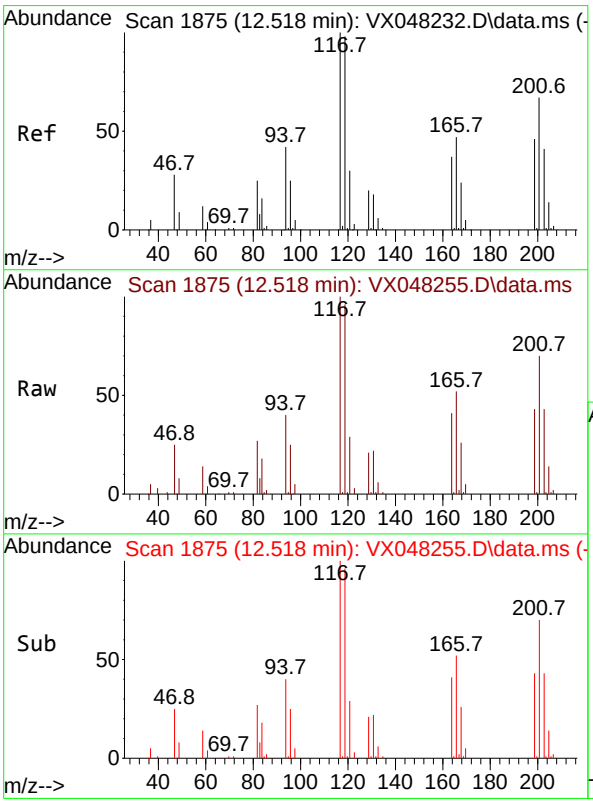
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.9 | 80.6 |
| 134 | 26.0 | 12.7 | 38.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations**
**APPROVED**

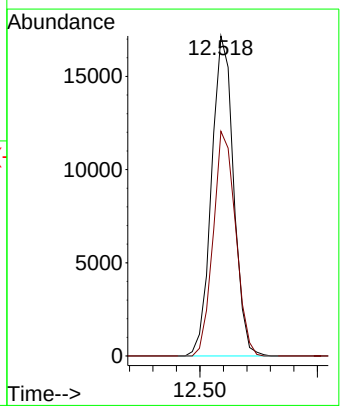
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

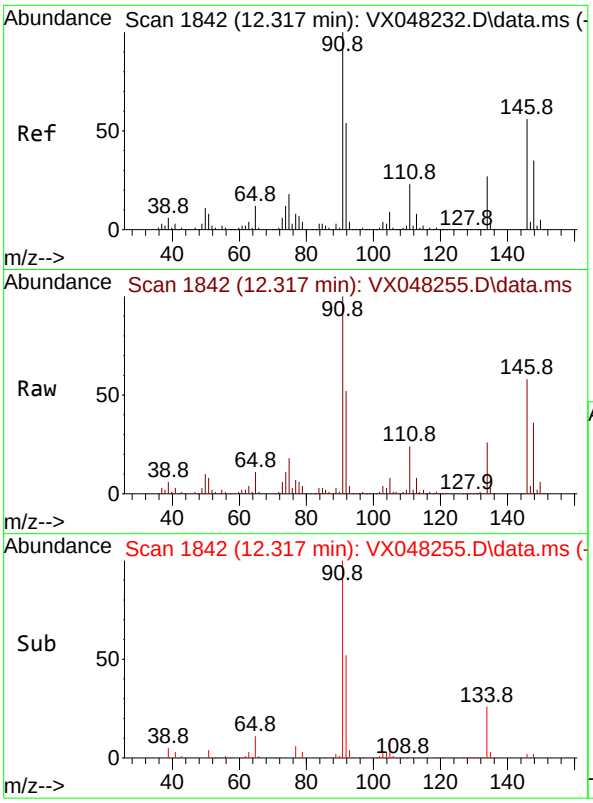



#90
Hexachloroethane
Concen: 15.825 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:117 Resp: 22360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.4 | 34.1 | 102.2 |

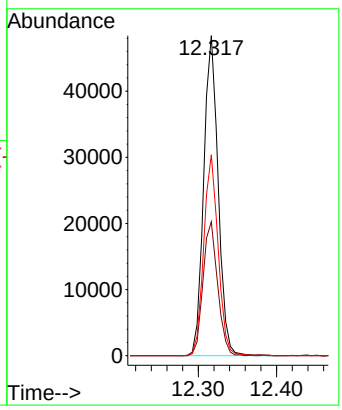





#91
1,2-Dichlorobenzene
Concen: 17.219 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:146 Resp: 6183

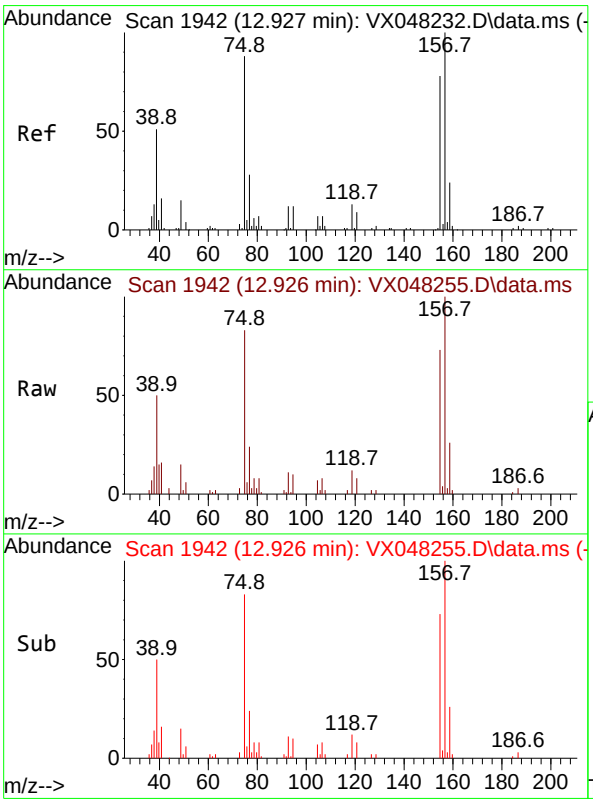
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.4 | 21.9 | 65.5 |
| 148 | 62.5 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

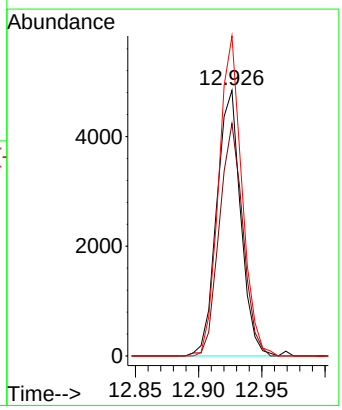
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

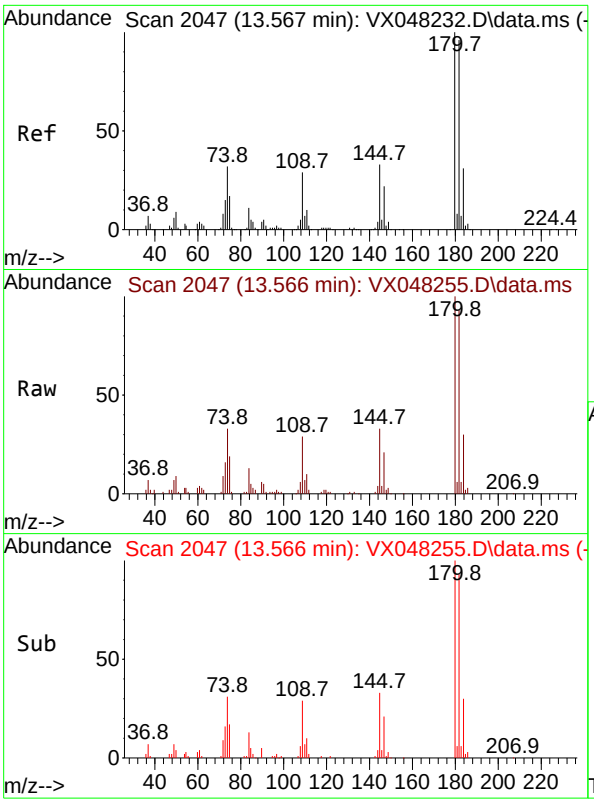



#92
1,2-Dibromo-3-Chloropropane
Concen: 14.205 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 6372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.2 | 42.8 | 128.4 |
| 157 | 116.0 | 54.2 | 162.6 |






#93
1,2,4-Trichlorobenzene
Concen: 15.216 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

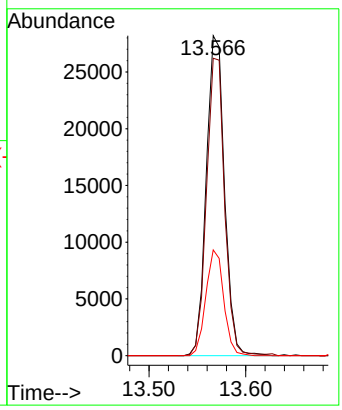
Tgt Ion:180 Resp: 3695

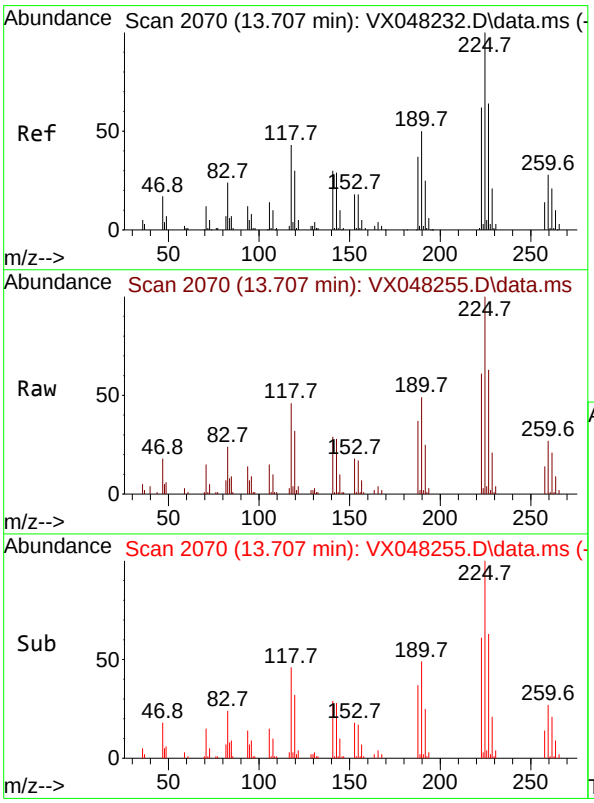
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.6 | 47.3 | 142.0 |
| 145 | 32.5 | 16.3 | 48.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

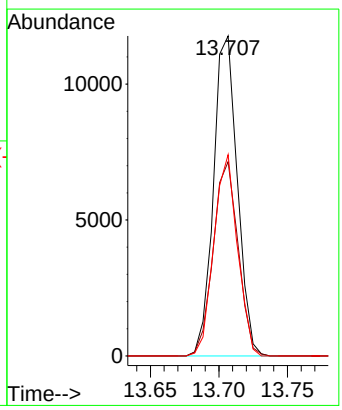


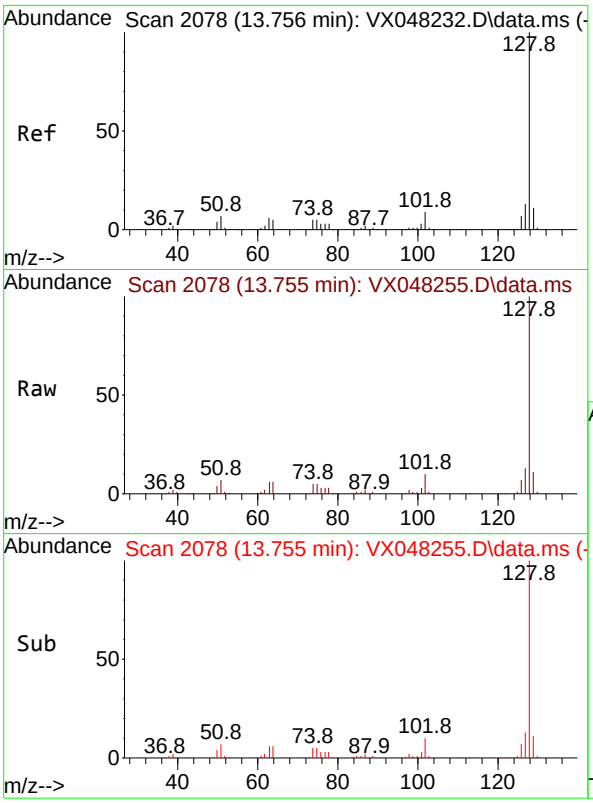




#94
Hexachlorobutadiene
Concen: 15.707 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:225 Resp: 14253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 32.6 | 97.7 |
| 227 | 62.2 | 32.5 | 97.4 |

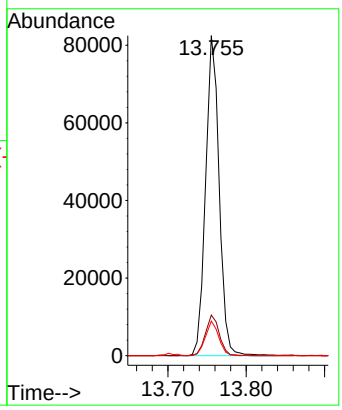





#95
Naphthalene
Concen: 15.345 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:128 Resp: 9873

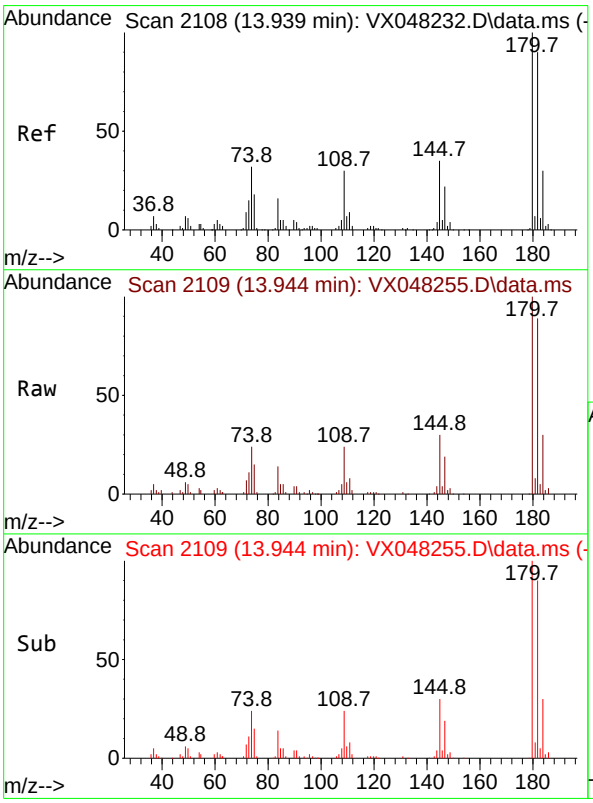
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.2 | 15.4 |
| 129 | 10.7 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

**Manual Integrations APPROVED**

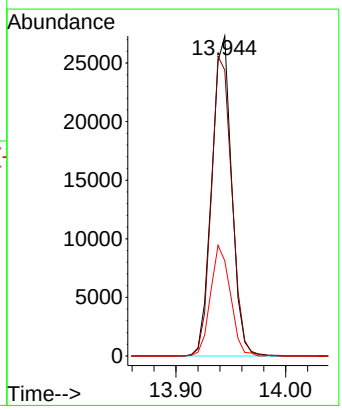
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025




#96
1,2,3-Trichlorobenzene
Concen: 15.454 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:180 Resp: 34440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 46.6 | 139.7 |
| 145 | 34.4 | 16.9 | 50.7 |



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: | VX1020WBSD01 | SDG No.: | Q3371 |
| Lab Sample ID: | VX1020WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 17.4 | | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 74-87-3 | Chloromethane | 20.9 | | 1 | 0.32 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 75-01-4 | Vinyl Chloride | 19.4 | | 1 | 0.26 | 0.75 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 74-83-9 | Bromomethane | 21.5 | | 1 | 1.40 | 3.80 | 5.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 75-00-3 | Chloroethane | 19.9 | | 1 | 0.47 | 0.75 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 75-69-4 | Trichlorofluoromethane | 18.3 | | 1 | 0.33 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 17.7 | | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 75-35-4 | 1,1-Dichloroethene | 18.3 | | 1 | 0.23 | 0.75 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 67-64-1 | Acetone | 86.3 | | 1 | 1.50 | 3.80 | 5.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 75-15-0 | Carbon Disulfide | 17.2 | | 1 | 0.21 | 0.75 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 1634-04-4 | Methyl tert-butyl Ether | 20.4 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 79-20-9 | Methyl Acetate | 20.2 | | 1 | 0.27 | 0.75 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 75-09-2 | Methylene Chloride | 21.7 | | 1 | 0.28 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 156-60-5 | trans-1,2-Dichloroethene | 19.0 | | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 75-34-3 | 1,1-Dichloroethane | 19.5 | | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 110-82-7 | Cyclohexane | 18.1 | | 1 | 1.50 | 2.50 | 5.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 78-93-3 | 2-Butanone | 98.7 | | 1 | 0.98 | 2.50 | 5.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 56-23-5 | Carbon Tetrachloride | 17.1 | | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 156-59-2 | cis-1,2-Dichloroethene | 19.9 | | 1 | 0.19 | 0.75 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 74-97-5 | Bromochloromethane | 23.6 | | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 67-66-3 | Chloroform | 20.7 | | 1 | 0.25 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 71-55-6 | 1,1,1-Trichloroethane | 18.8 | | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 108-87-2 | Methylcyclohexane | 16.4 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 71-43-2 | Benzene | 18.9 | | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 107-06-2 | 1,2-Dichloroethane | 20.1 | | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 79-01-6 | Trichloroethene | 18.2 | | 1 | 0.090 | 0.75 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 78-87-5 | 1,2-Dichloropropane | 20.4 | | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 75-27-4 | Bromodichloromethane | 19.8 | | 1 | 0.22 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 108-10-1 | 4-Methyl-2-Pentanone | 100 | | 1 | 0.68 | 2.50 | 5.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 108-88-3 | Toluene | 18.7 | | 1 | 0.14 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 10061-02-6 | t-1,3-Dichloropropene | 19.9 | | 1 | 0.17 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.4 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 79-00-5 | 1,1,2-Trichloroethane | 21.1 | | 1 | 0.21 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 591-78-6 | 2-Hexanone | 100 | | 1 | 0.89 | 2.50 | 5.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 124-48-1 | Dibromochloromethane | 20.9 | | 1 | 0.18 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 106-93-4 | 1,2-Dibromoethane | 21.4 | | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 127-18-4 | Tetrachloroethene | 17.0 | | 1 | 0.23 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 108-90-7 | Chlorobenzene | 19.0 | | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 100-41-4 | Ethyl Benzene | 17.8 | | 1 | 0.13 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 179601-23-1 | m/p-Xylenes | 36.6 | | 1 | 0.24 | 1.00 | 2.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 95-47-6 | o-Xylene | 18.4 | | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 100-42-5 | Styrene | 19.1 | | 1 | 0.15 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 75-25-2 | Bromoform | 19.7 | | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |

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: | VX1020WBSD01 | SDG No.: | Q3371 |
| Lab Sample ID: | VX1020WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 17.5 | | 1 | 0.12 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.4 | | 1 | 0.26 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 541-73-1 | 1,3-Dichlorobenzene | 18.0 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 106-46-7 | 1,4-Dichlorobenzene | 17.7 | | 1 | 0.19 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 95-50-1 | 1,2-Dichlorobenzene | 18.3 | | 1 | 0.16 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 18.5 | | 1 | 0.53 | 0.75 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 16.5 | | 1 | 0.20 | 0.50 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 17.0 | | 1 | 0.20 | 0.75 | 1.00 | ug/L | 10/20/25 18:22 | VX102025 |
| **SURROGATES** | | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 57.5 | | | 81 - 118 | | 115% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 53.2 | | | 80 - 119 | | 106% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 51.9 | | | 89 - 112 | | 104% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 52.1 | | | 85 - 114 | | 104% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 115000 | | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 196000 | | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 184000 | | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 92700 | | | | | | | | |

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\VX102025\
Data File : VX048247.D
Acq On : 20 Oct 2025 18:22
Operator : JC/MD
Sample : VX1020WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 21 06:14:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 114781 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 195841 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 183563 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 92655 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 92554 | 57.512 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 115.020% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 71144 | 53.212 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 106.420% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 243288 | 51.915 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 103.820% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 92954 | 52.139 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 104.280% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 20476 | 17.353 | ug/l | 94 |
| 3) Chloromethane | 1.301 | 50 | 23064 | 20.941 | ug/l | 98 |
| 4) Vinyl Chloride | 1.380 | 62 | 19788 | 19.402 | ug/l | 95 |
| 5) Bromomethane | 1.618 | 94 | 14871 | 21.485 | ug/l | 96 |
| 6) Chloroethane | 1.697 | 64 | 11916 | 19.883 | ug/l # | 87 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 35760 | 18.282 | ug/l | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 12054 | 21.901 | ug/l | 89 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 21976 | 17.742 | ug/l | 96 |
| 10) Methyl Iodide | 2.453 | 142 | 25897 | 16.631 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.947 | 59 | 17281 | 108.152 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 22080 | 18.323 | ug/l | 94 |
| 13) Acrolein | 2.240 | 56 | 19228 | 117.991 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 37950 | 18.968 | ug/l | 99 |
| 15) Acrylonitrile | 3.056 | 53 | 60459 | 104.933 | ug/l | 100 |
| 16) Acetone | 2.374 | 43 | 47646 | 86.302 | ug/l | 96 |
| 17) Carbon Disulfide | 2.520 | 76 | 65187 | 17.164 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 23295 | 20.204 | ug/l | 95 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 83700 | 20.360 | ug/l | 100 |
| 20) Methylene Chloride | 2.794 | 84 | 29196 | 21.703 | ug/l # | 85 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 25126 | 18.982 | ug/l | 97 |
| 22) Diisopropyl ether | 3.751 | 45 | 84376 | 21.145 | ug/l | 91 |
| 23) Vinyl Acetate | 3.715 | 43 | 335871 | 105.369 | ug/l | 95 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 47157 | 19.544 | ug/l | 98 |
| 25) 2-Butanone | 4.544 | 43 | 68946 | 98.664 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 36422 | 16.724 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 30801 | 19.938 | ug/l | 97 |
| 28) Bromochloromethane | 4.891 | 49 | 23578 | 23.567 | ug/l | 87 |
| 29) Tetrahydrofuran | 4.989 | 42 | 42373 | 101.247 | ug/l | 92 |
| 30) Chloroform | 5.080 | 83 | 53451 | 20.734 | ug/l | 98 |
| 31) Cyclohexane | 5.465 | 56 | 36130 | 18.086 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 44597 | 18.771 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 32010 | 16.845 | ug/l | 100 |
| 37) Ethyl Acetate | 4.709 | 43 | 32299 | 20.506 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 40183 | 17.139 | ug/l | 94 |
| 39) Methylcyclohexane | 7.367 | 83 | 36797 | 16.396 | ug/l | 95 |
| 40) Benzene | 6.025 | 78 | 104164 | 18.880 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048247.D
Acq On : 20 Oct 2025 18:22
Operator : JC/MD
Sample : VX1020WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 21 06:14:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.904 | 41 | 16538 | 19.993 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.068 | 62 | 40822 | 20.051 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.330 | 43 | 52028 | 20.109 | ug/l | | 97 |
| 44) Trichloroethene | 7.111 | 130 | 26497 | 18.188 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 26694 | 20.350 | ug/l | | 98 |
| 46) Dibromomethane | 7.568 | 93 | 20469 | 20.029 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.806 | 83 | 43761 | 19.832 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.678 | 41 | 25318 | 19.392 | ug/l | | 95 |
| 49) 1,4-Dioxane | 7.641 | 88 | 6386 | 370.238 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 153370 | 102.812 | ug/l | | 96 |
| 52) Toluene | 8.702 | 92 | 65370 | 18.650 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 42315 | 19.900 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 44419 | 19.362 | ug/l | # | 88 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 27480 | 21.083 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 38089 | 19.978 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 46146 | 20.726 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 92914 | 91.719 | ug/l | | 95 |
| 59) 2-Hexanone | 9.415 | 43 | 108257 | 104.075 | ug/l | | 97 |
| 60) Dibromochloromethane | 9.507 | 129 | 36604 | 20.894 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 29765 | 21.420 | ug/l | | 93 |
| 64) Tetrachloroethene | 9.257 | 164 | 23320 | 17.018 | ug/l | | 97 |
| 65) Chlorobenzene | 10.061 | 112 | 78337 | 18.971 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 28648 | 18.889 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.177 | 91 | 125292 | 17.821 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 95614 | 36.604 | ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 46336 | 18.374 | ug/l | | 97 |
| 70) Styrene | 10.640 | 104 | 82194 | 19.141 | ug/l | | 99 |
| 71) Bromoform | 10.781 | 173 | 23892 | 19.710 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 118461 | 17.504 | ug/l | | 99 |
| 74) N-amyl acetate | 10.823 | 43 | 45284 | 18.864 | ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 37724 | 20.412 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 33455m | 22.265 | ug/l | | |
| 77) Bromobenzene | 11.177 | 156 | 32159 | 18.952 | ug/l | | 93 |
| 78) n-propylbenzene | 11.287 | 91 | 136981 | 17.482 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 85588 | 18.016 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 100372 | 17.922 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 10903 | 17.654 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 102658 | 18.204 | ug/l | | 97 |
| 83) tert-Butylbenzene | 11.695 | 119 | 102465 | 17.807 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 101437 | 18.149 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 118566 | 17.126 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 102269 | 17.091 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 57585 | 18.001 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 58623 | 17.690 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.311 | 91 | 89874 | 16.501 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 19902 | 16.842 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 54922 | 18.286 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.927 | 75 | 6943 | 18.508 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 33533 | 16.510 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 12548 | 16.531 | ug/l | | 97 |
| 95) Naphthalene | 13.756 | 128 | 94002 | 17.469 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 31666 | 16.990 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048247.D
Acq On : 20 Oct 2025 18:22
Operator : JC/MD
Sample : VX1020WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 21 06:14:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

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

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

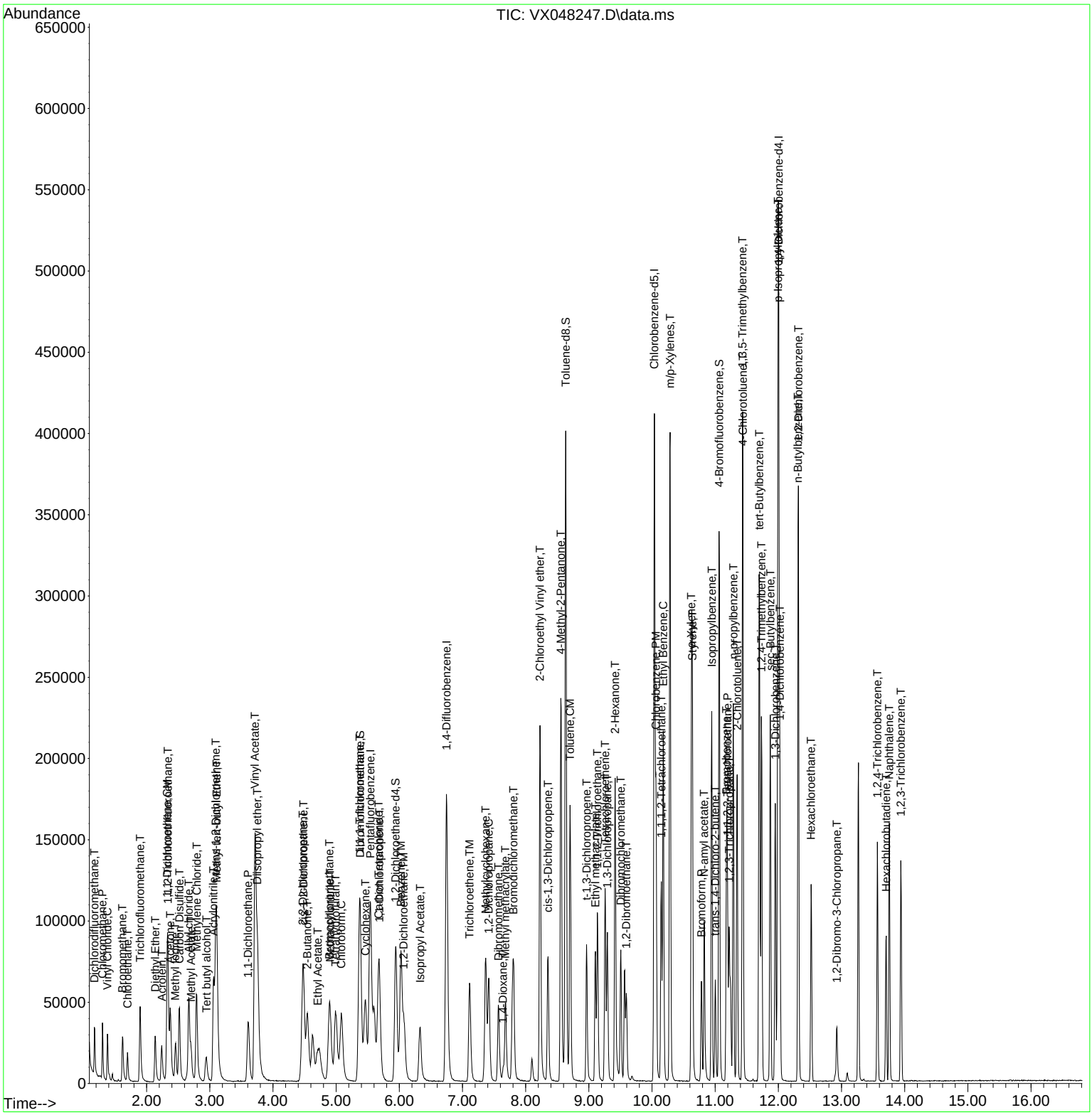
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048247.D
Acq On : 20 Oct 2025 18:22
Operator : JC/MD
Sample : VX1020WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

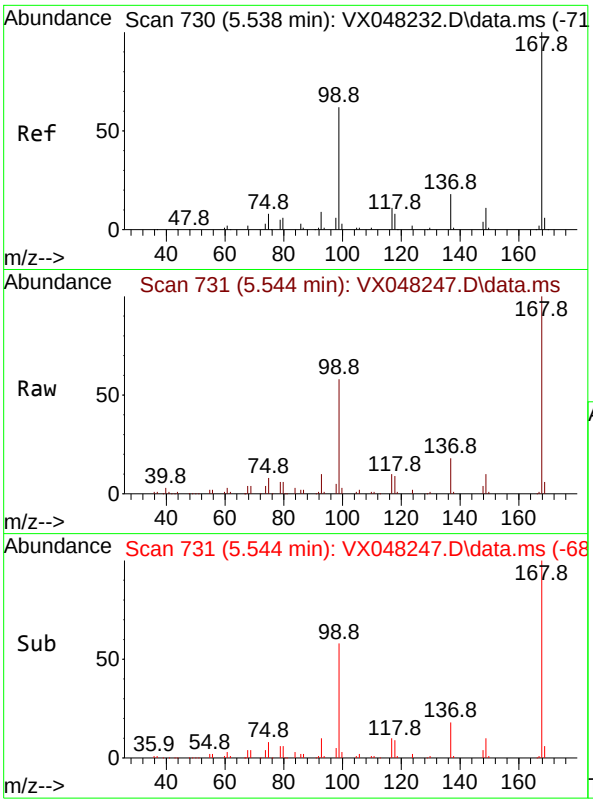
Quant Time: Oct 21 06:14:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

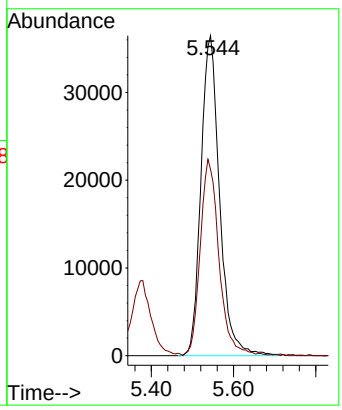





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:168 Resp: 11478

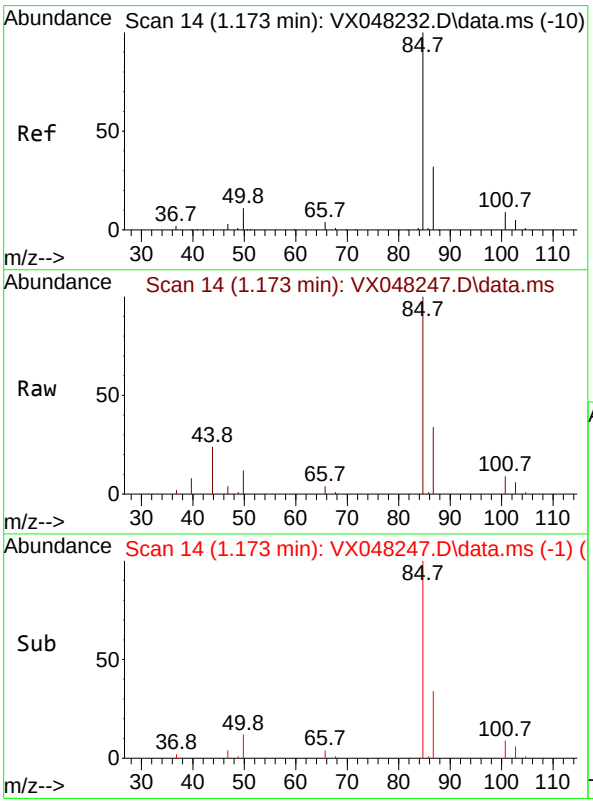
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.0 | 46.4 | 69.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

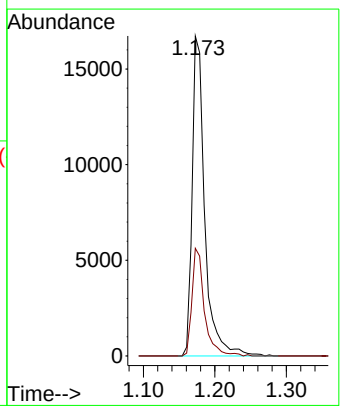
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

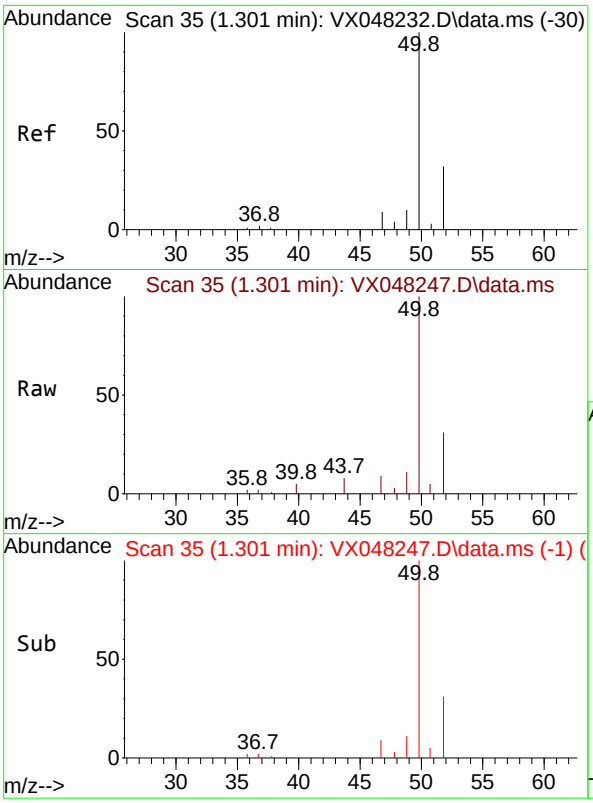



#2
Dichlorodifluoromethane
Concen: 17.353 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 85 Resp: 20476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.7 | 15.3 | 45.9 |

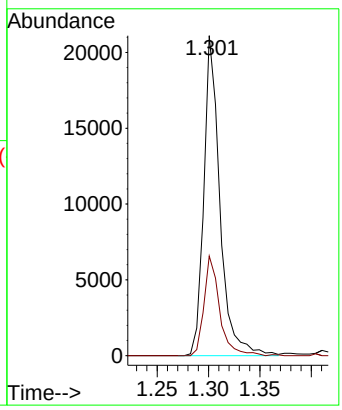





#3
Chloromethane
Concen: 20.941 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 50 Resp: 2306

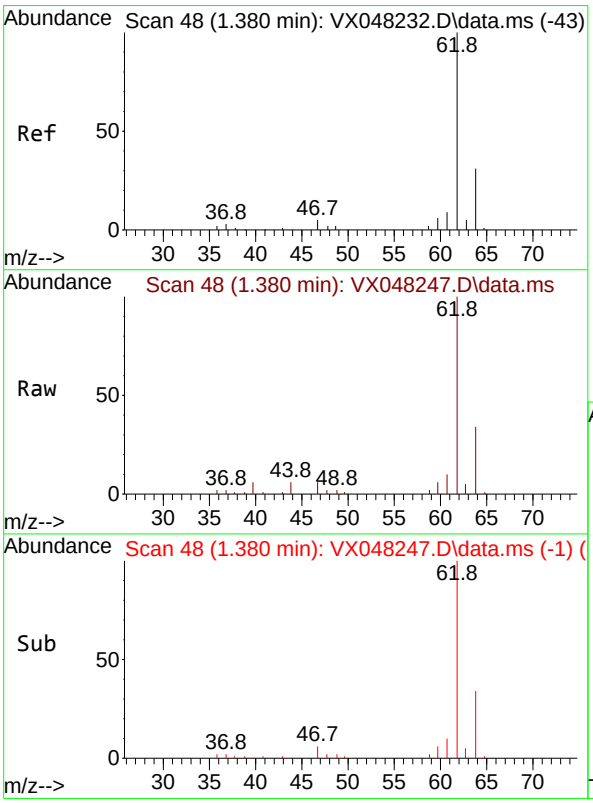
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.2 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

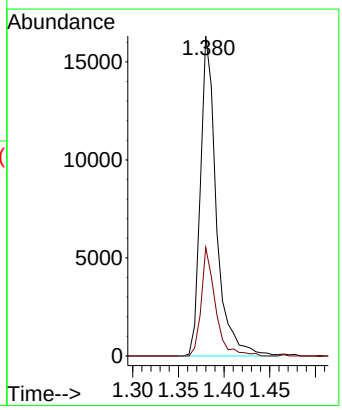
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

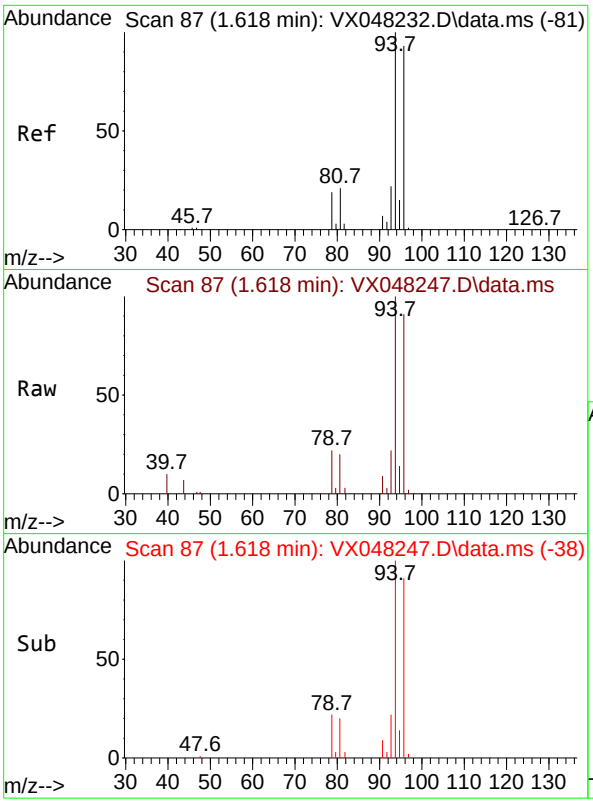



#4
Vinyl Chloride
Concen: 19.402 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 62 Resp: 19788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.9 | 25.1 | 37.7 |

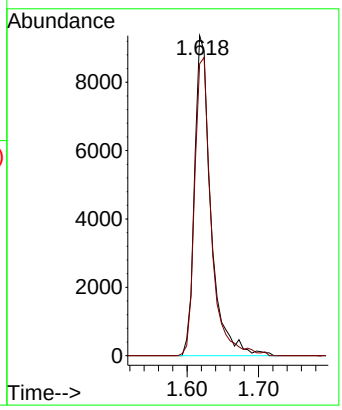





#5
Bromomethane
Concen: 21.485 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 94 Resp: 1487

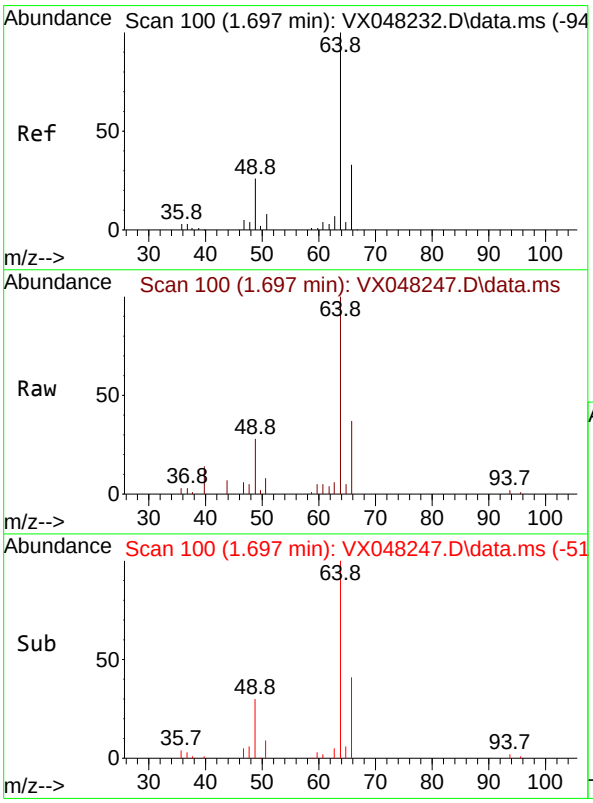
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.2 | 76.0 | 114.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

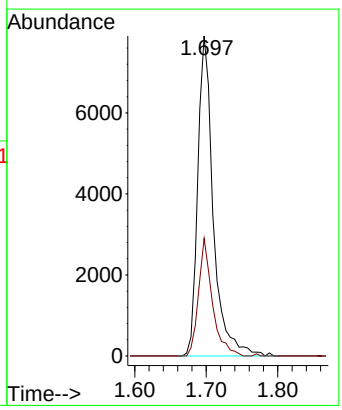
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

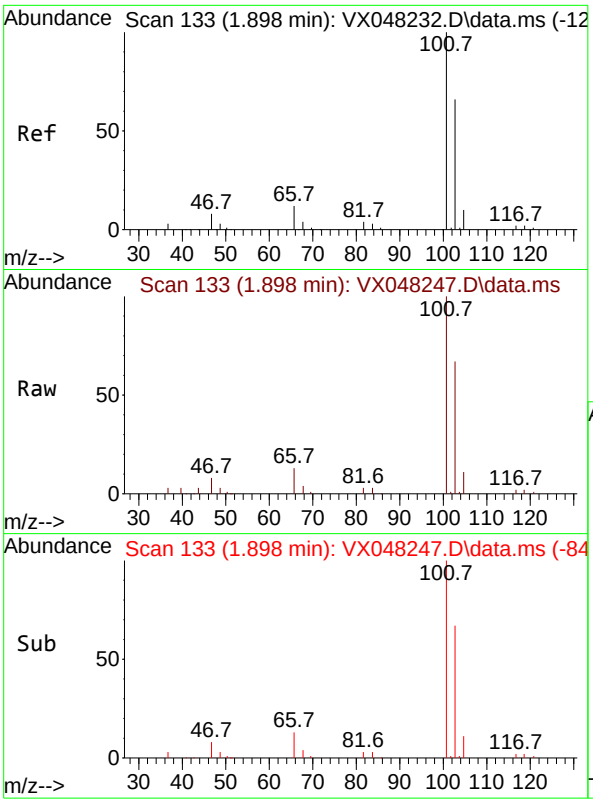



#6
Chloroethane
Concen: 19.883 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 64 Resp: 11916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 36.7 | 23.9 | 35.9# |

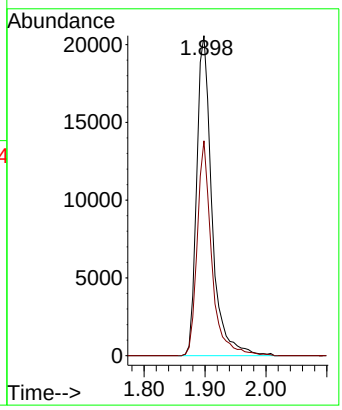





#7
Trichlorofluoromethane
Concen: 18.282 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:101 Resp: 3576

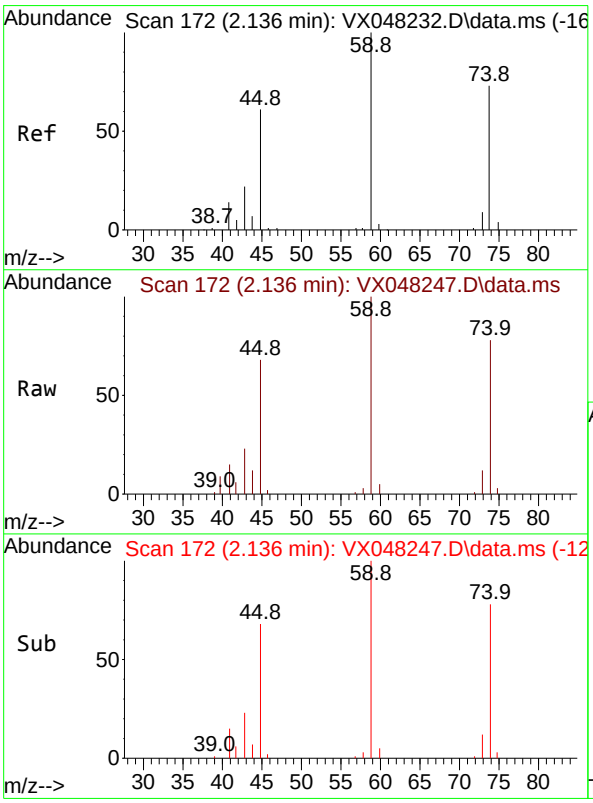
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.2 | 51.6 | 77.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

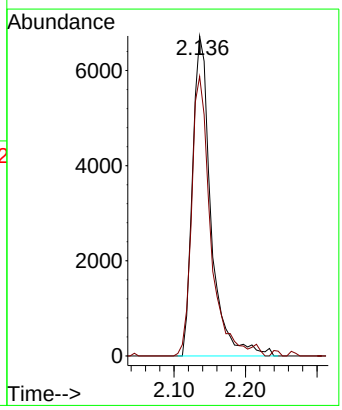
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

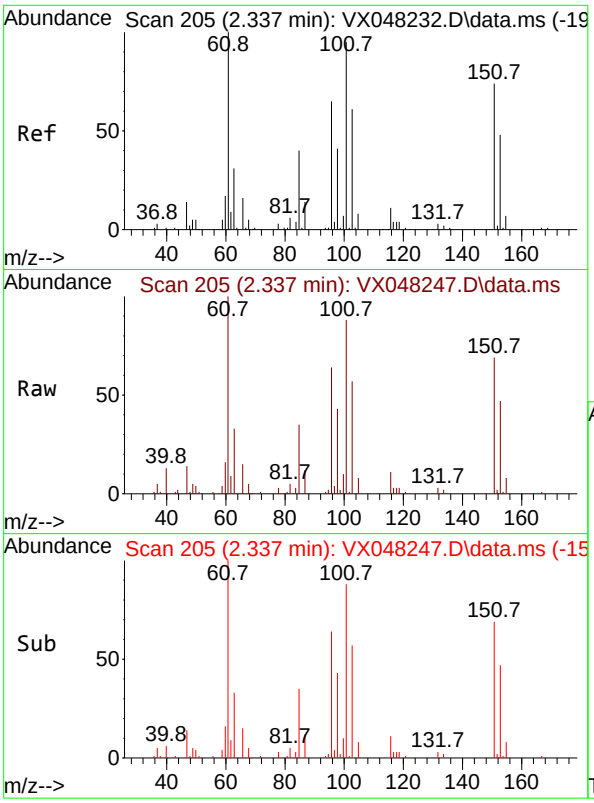



#8
Diethyl Ether
Concen: 21.901 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 74 Resp: 12054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 88.8 | 50.0 | 149.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.742 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

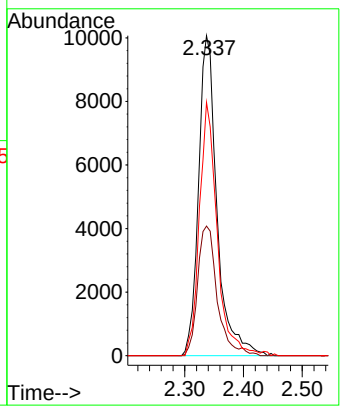
Tgt Ion:101 Resp: 2197

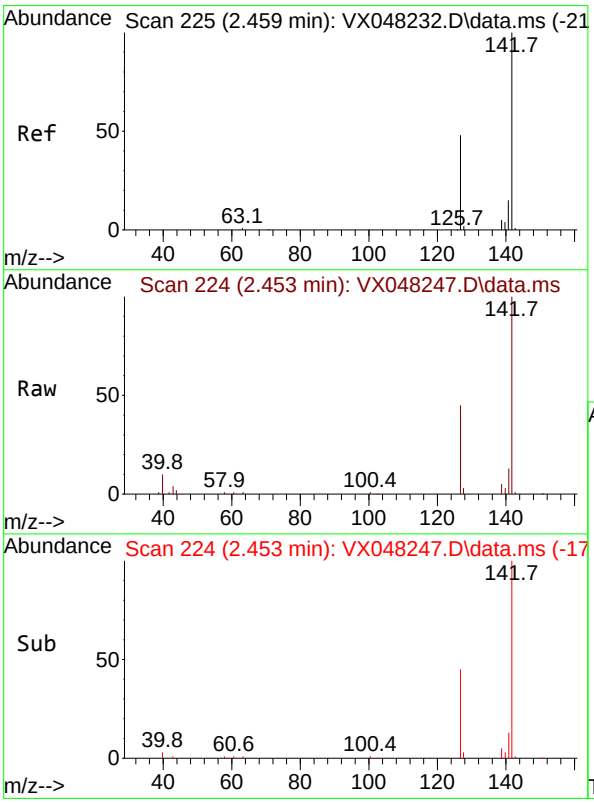
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.2 | 35.6 | 53.4 |
| 151 | 76.5 | 58.0 | 87.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

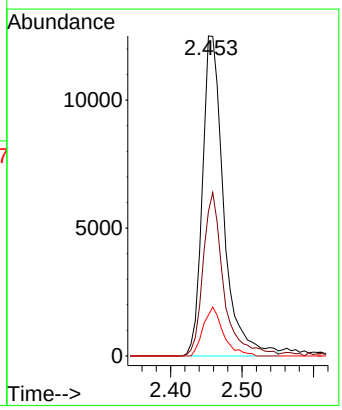


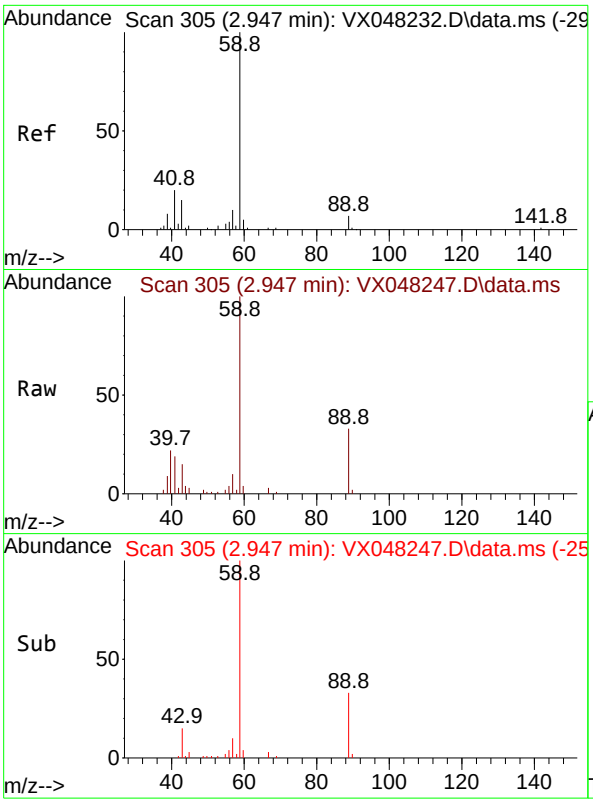




#10
Methyl Iodide
Concen: 16.631 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:142 Resp: 25897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.3 | 38.5 | 57.7 |
| 141 | 14.4 | 11.6 | 17.4 |






#11
Tert butyl alcohol
Concen: 108.152 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

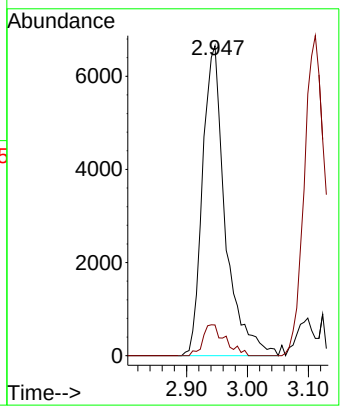
Tgt Ion: 59 Resp: 1728

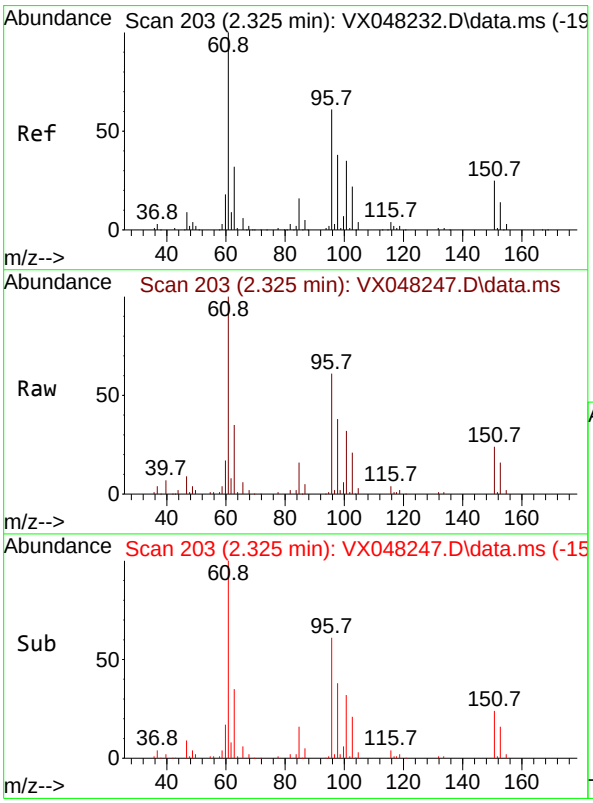
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.8 | 8.2 | 12.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

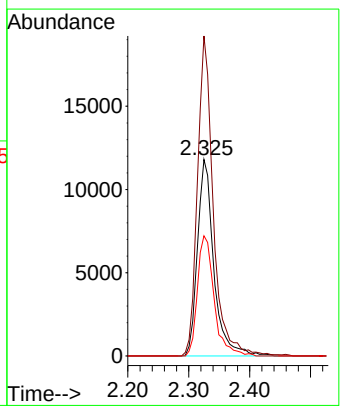


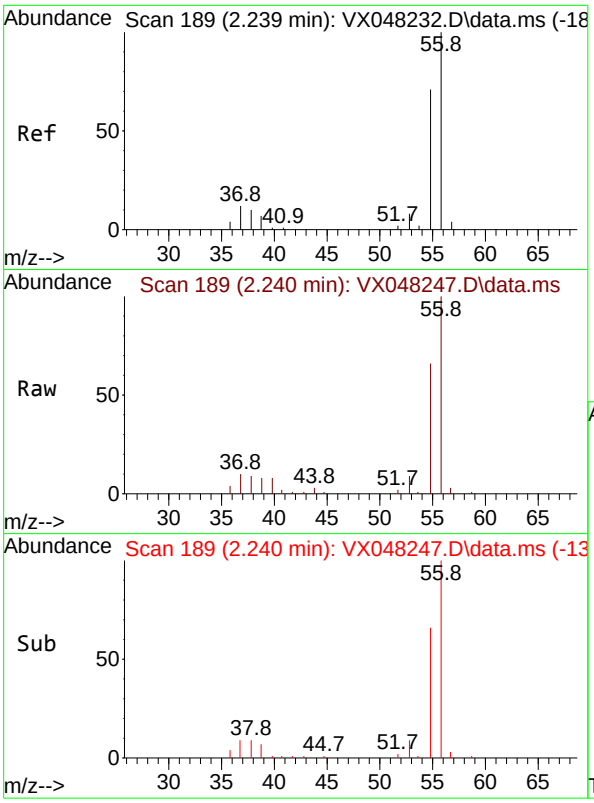




#12
1,1-Dichloroethene
Concen: 18.323 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 96 Resp: 22080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.9 | 139.0 | 208.6 |
| 98 | 63.7 | 52.4 | 78.6 |

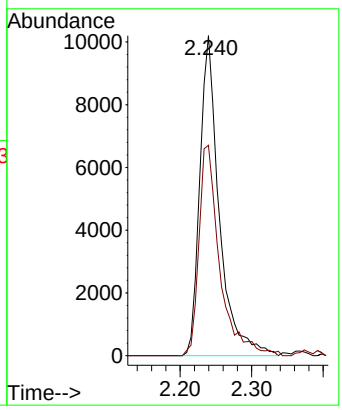





#13
Acrolein
Concen: 117.991 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 56 Resp: 1922

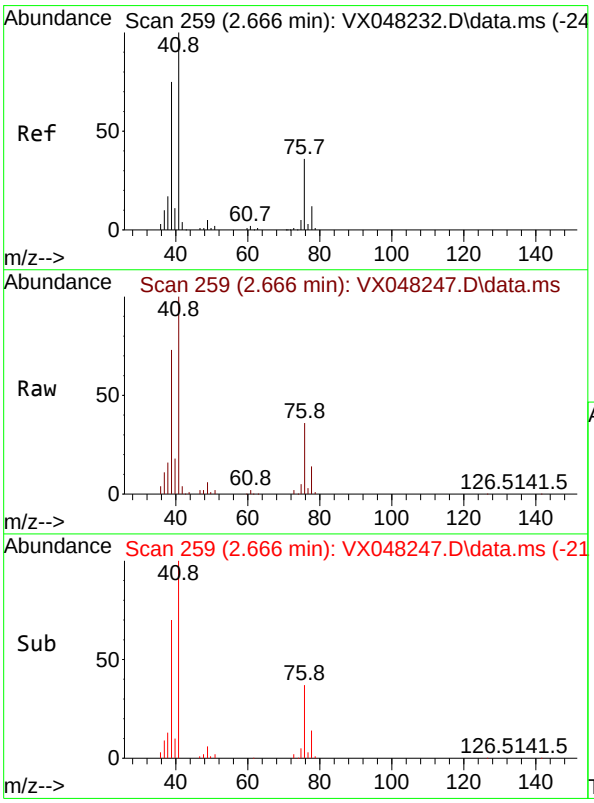
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.4 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

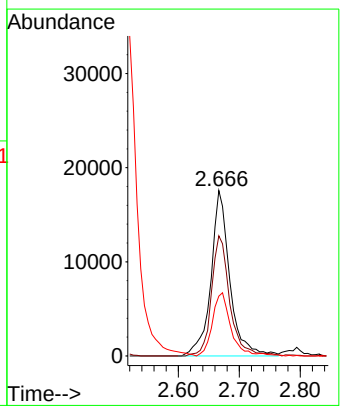
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

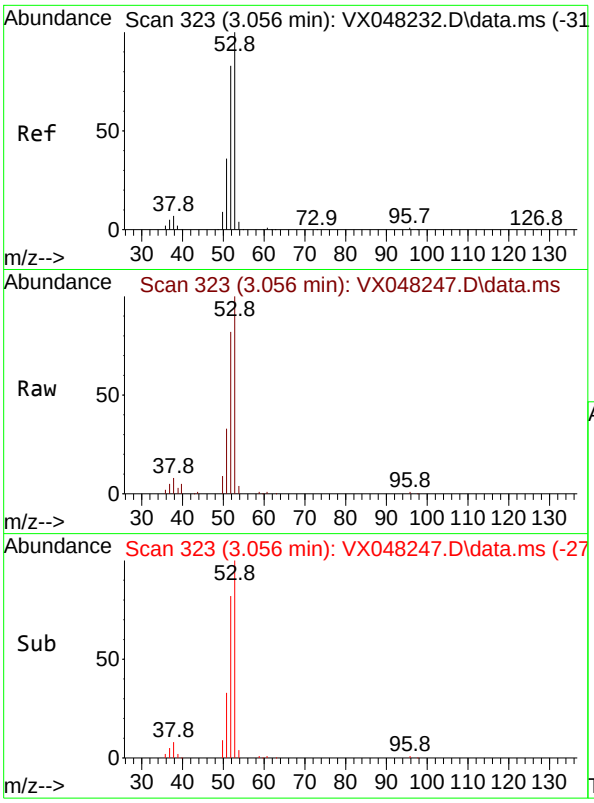



#14
Allyl chloride
Concen: 18.968 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 41 Resp: 37950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 70.1 | 56.0 | 84.0 |
| 76 | 36.3 | 27.5 | 41.3 |

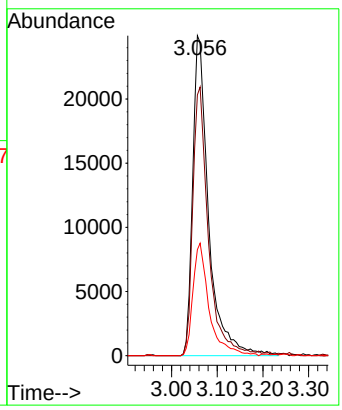





#15
Acrylonitrile
Concen: 104.933 ug/l
RT: 3.056 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 53 Resp: 6045

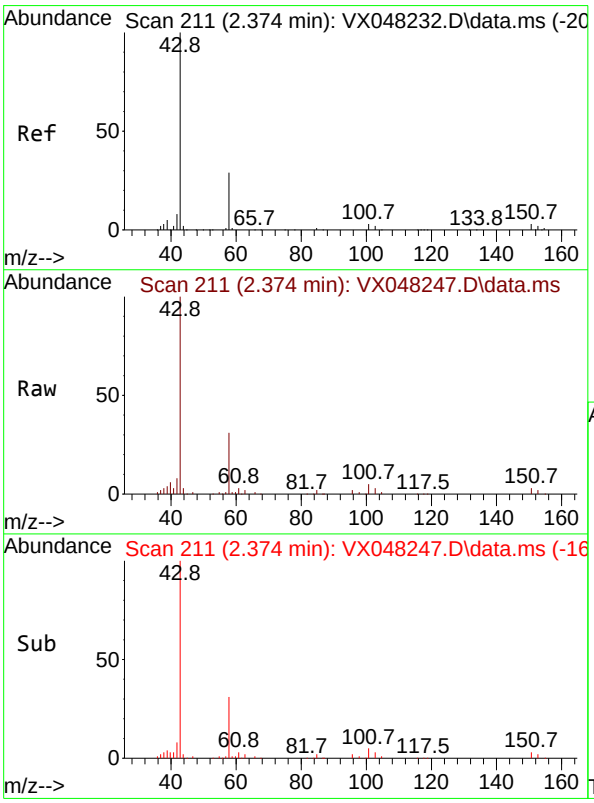
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 66.1 | 99.1 |
| 51 | 35.9 | 29.0 | 43.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

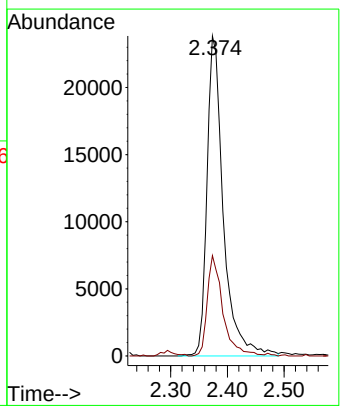
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

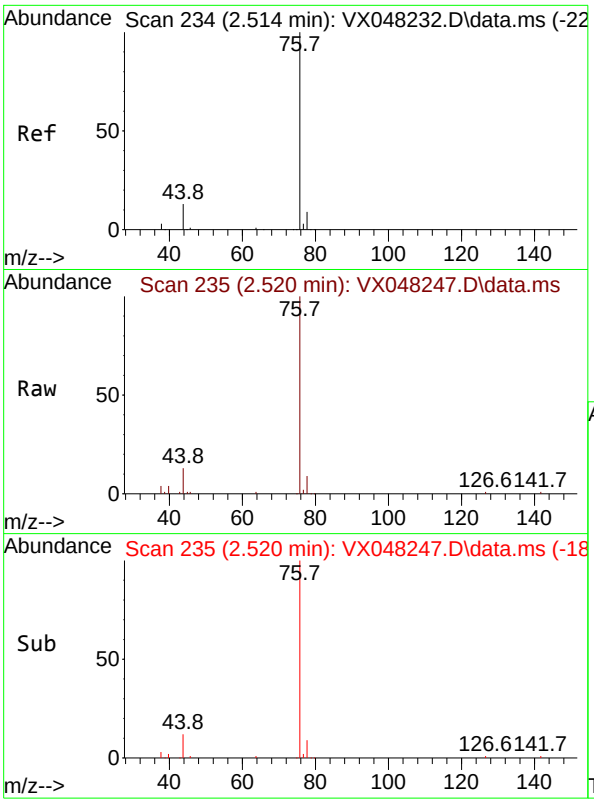



#16
Acetone
Concen: 86.302 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 43 Resp: 47646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.4 | 23.4 | 35.2 |

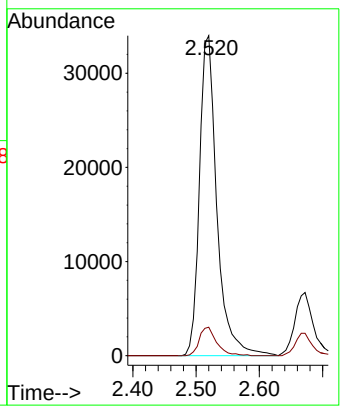





#17
Carbon Disulfide
Concen: 17.164 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 76 Resp: 6518

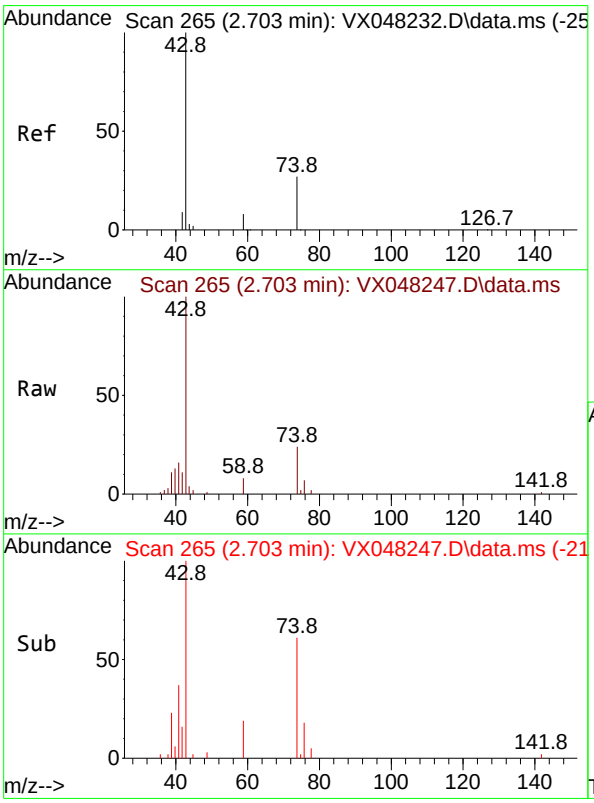
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.1 | 10.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

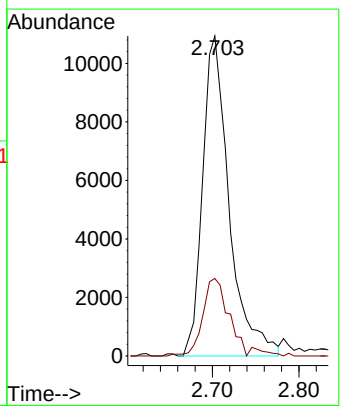
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

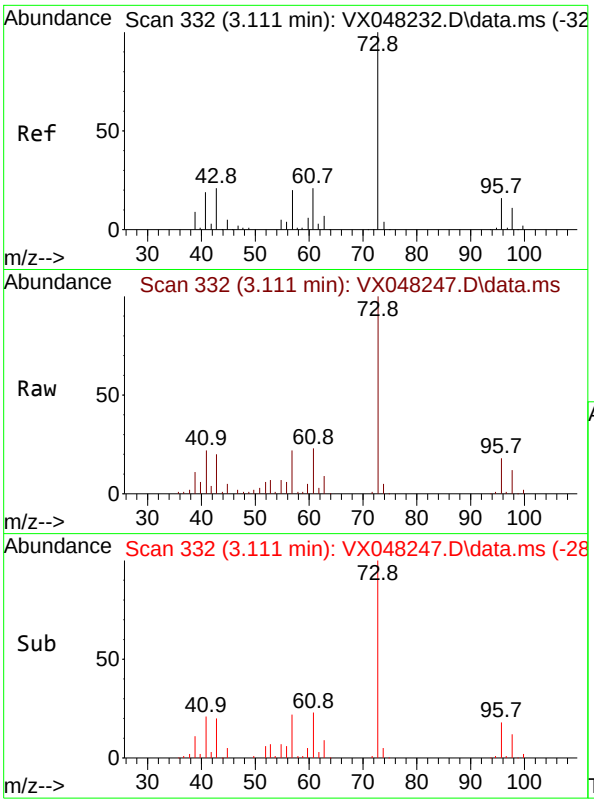



#18
Methyl Acetate
Concen: 20.204 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 43 Resp: 23295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.1 | 17.5 | 26.3 |

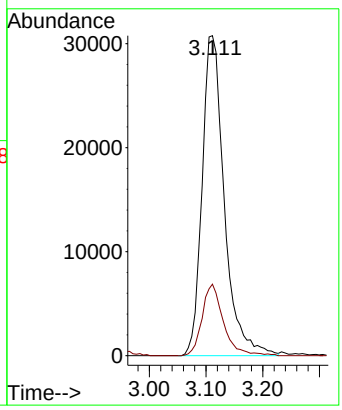





#19
Methyl tert-butyl Ether
Concen: 20.360 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 73 Resp: 8370

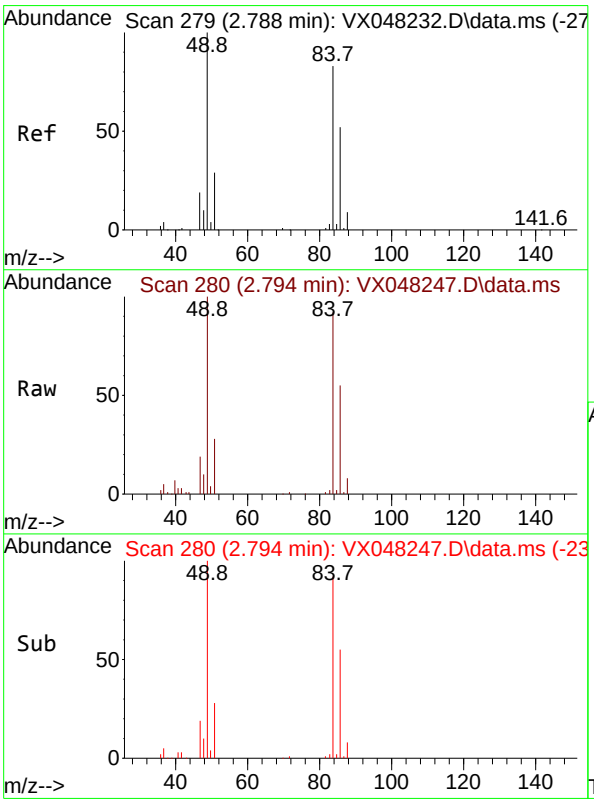
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.3 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

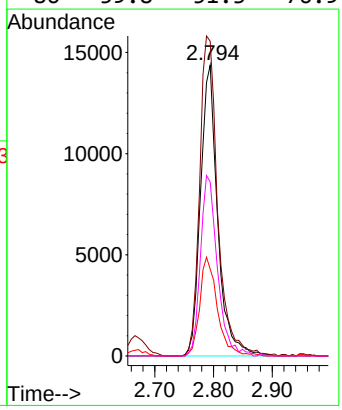
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

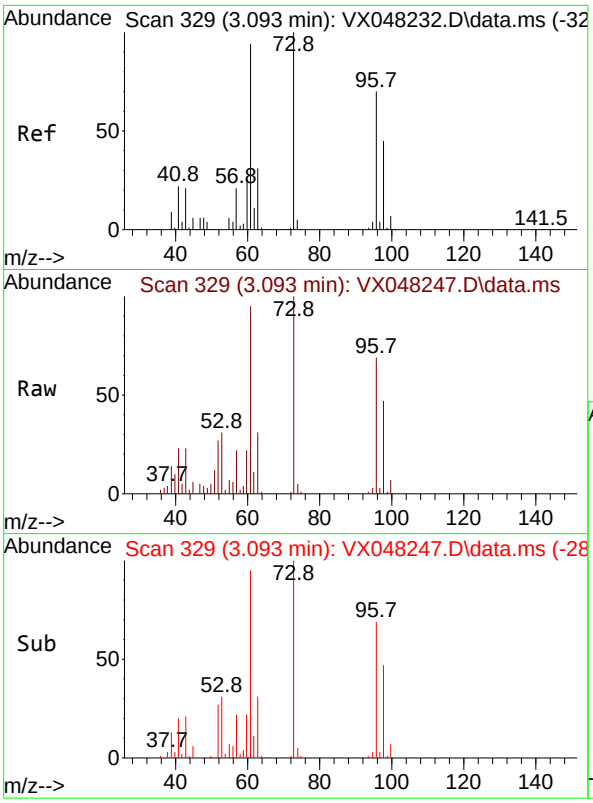



#20
Methylene Chloride
Concen: 21.703 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 84 Resp: 29196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 108.2 | 104.1 | 156.1 |
| 51 | 29.8 | 31.3 | 46.9# |
| 86 | 59.8 | 51.3 | 76.9 |

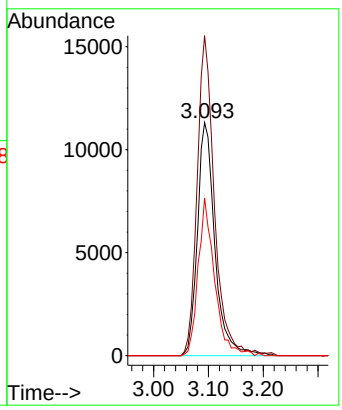





#21
trans-1,2-Dichloroethene
Concen: 18.982 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 96 Resp: 2512

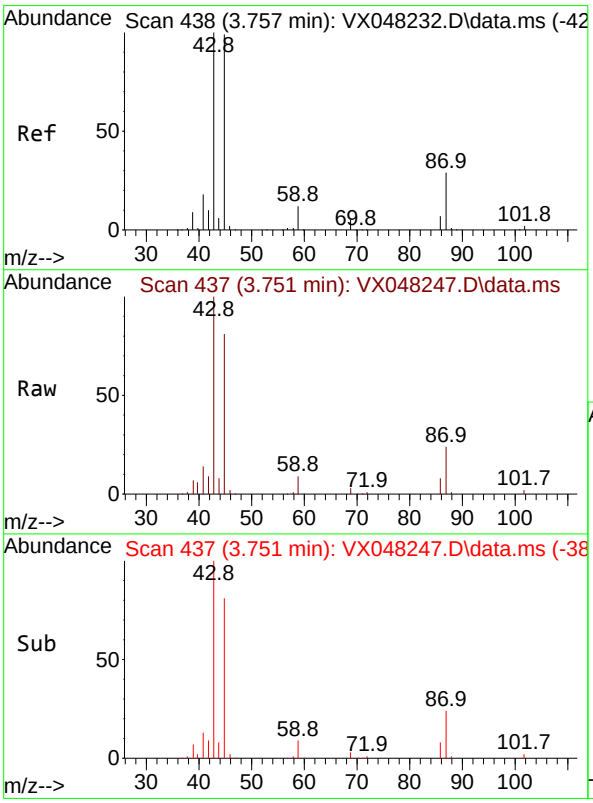
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.2 | 111.9 | 167.9 |
| 98 | 67.7 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

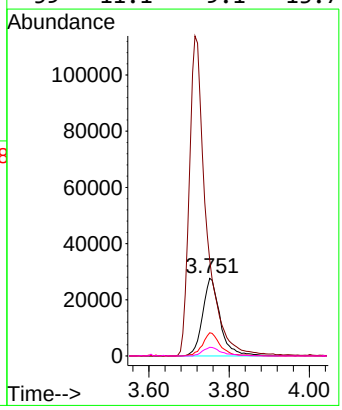
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

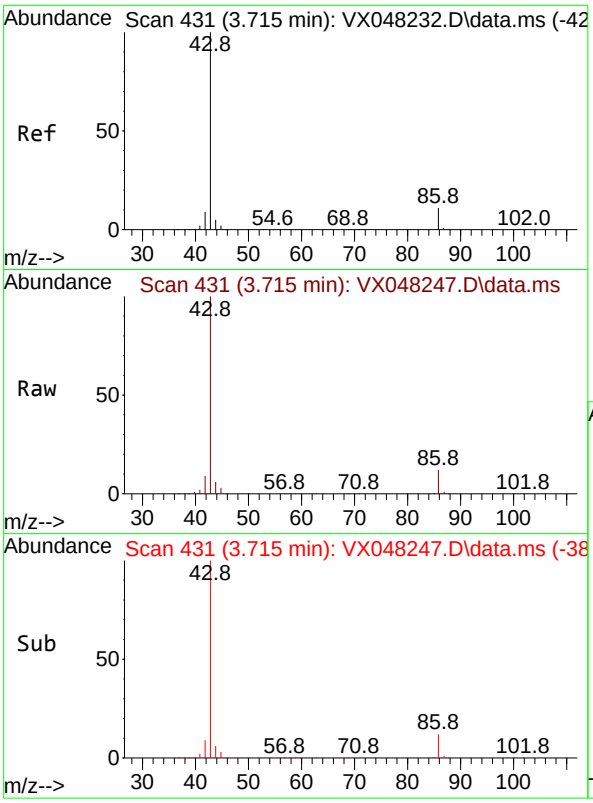



#22
Diisopropyl ether
Concen: 21.145 ug/l
RT: 3.751 min Scan# 437
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 45 Resp: 84376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 122.6 | 89.8 | 134.8 |
| 87 | 29.9 | 20.6 | 31.0 |
| 59 | 11.1 | 9.1 | 13.7 |

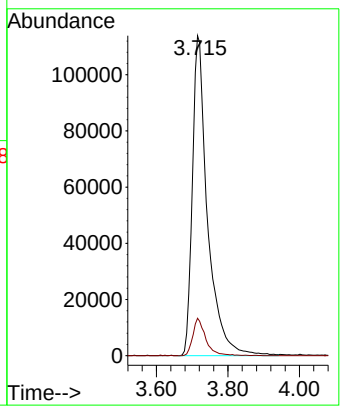





#23
Vinyl Acetate
Concen: 105.369 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 43 Resp: 33587

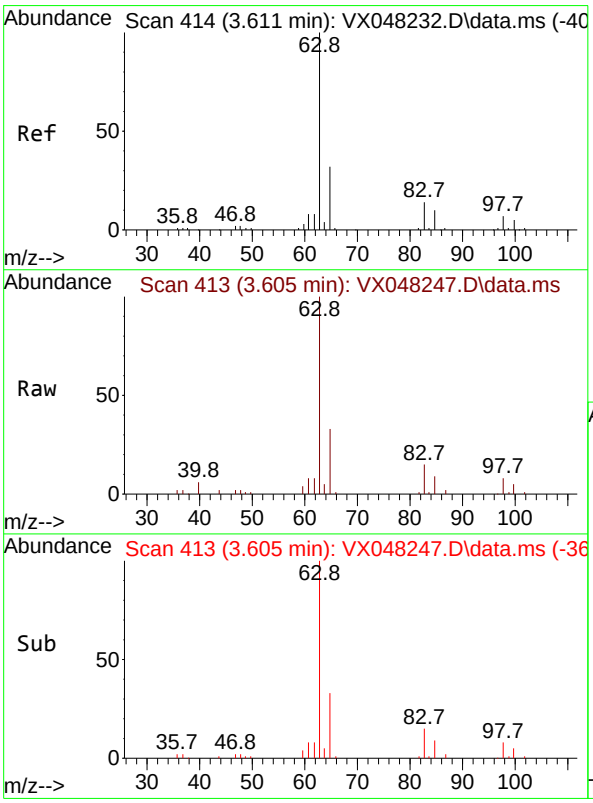
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.7 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

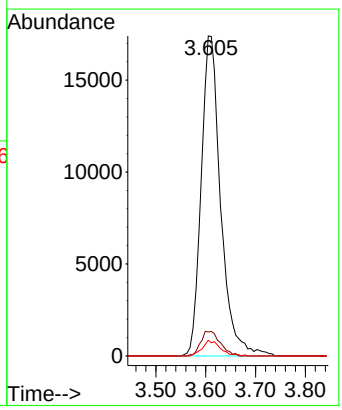
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

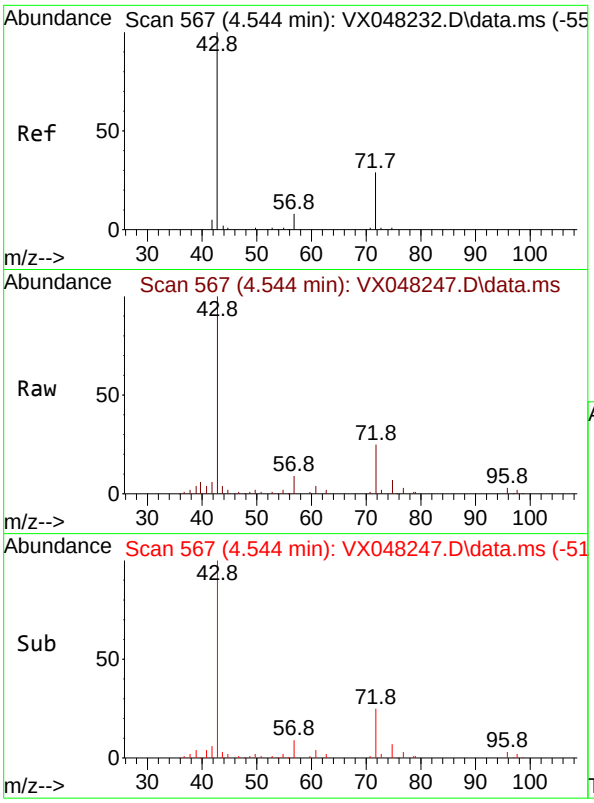



#24
1,1-Dichloroethane
Concen: 19.544 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 63 Resp: 47157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.5 | 3.5 | 10.6 |
| 100 | 4.9 | 2.1 | 6.3 |

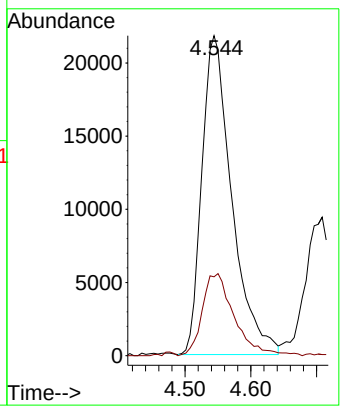





#25
2-Butanone
Concen: 98.664 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 43 Resp: 6894

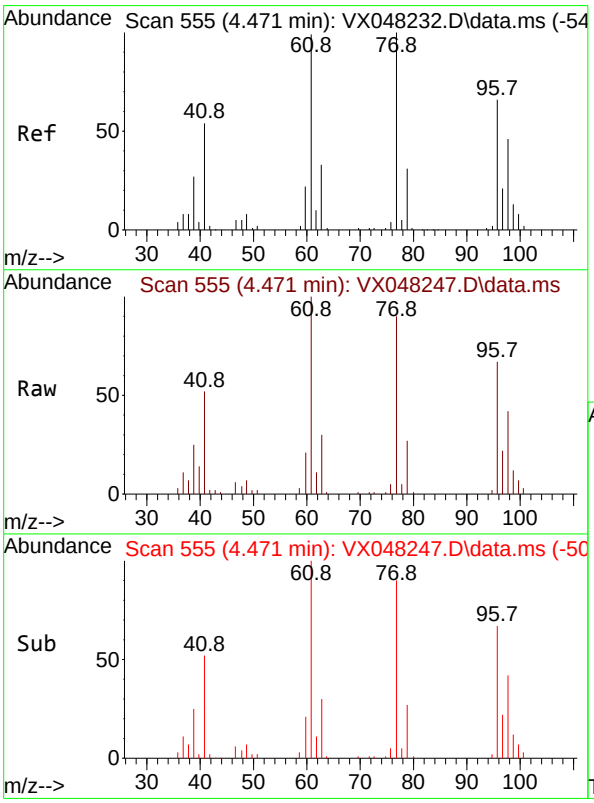
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.9 | 19.9 | 29.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

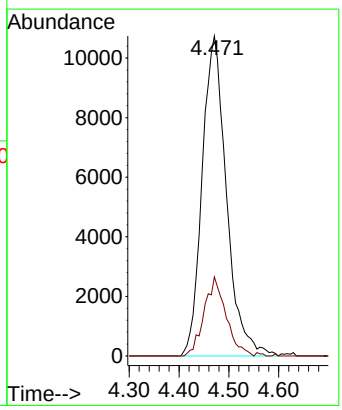
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

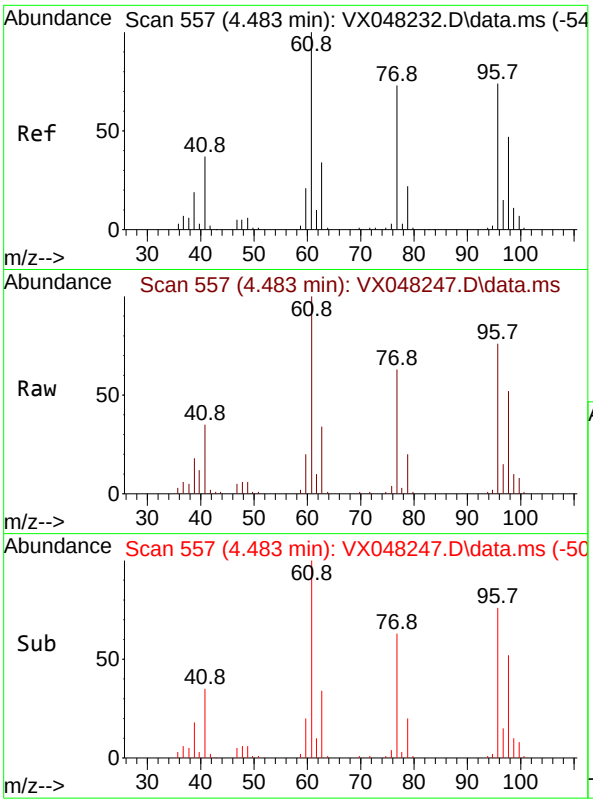



#26
2,2-Dichloropropane
Concen: 16.724 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 77 Resp: 36422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 11.1 | 33.3 |

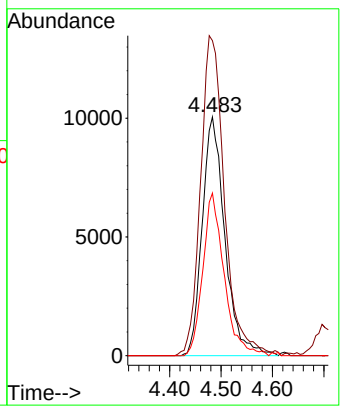





#27
cis-1,2-Dichloroethene
Concen: 19.938 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 96 Resp: 3080

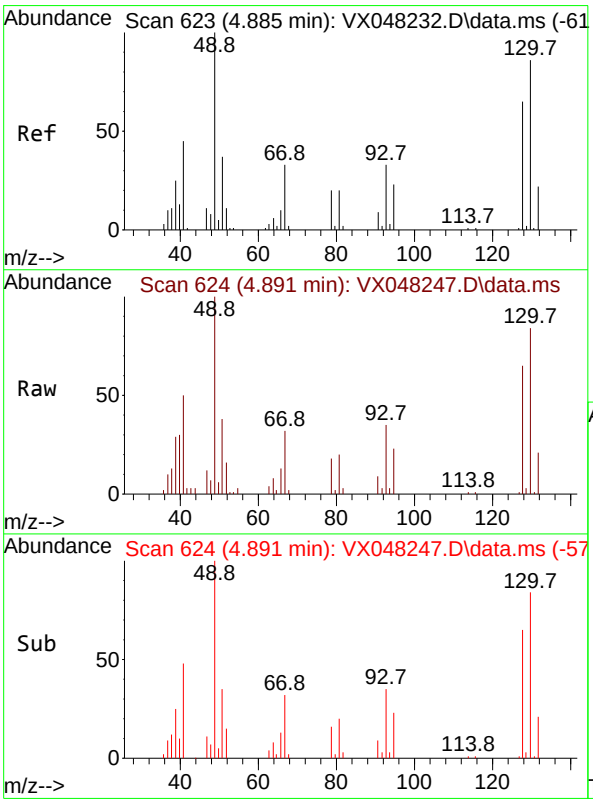
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.4 | 0.0 | 294.2 |
| 98 | 64.1 | 0.0 | 128.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

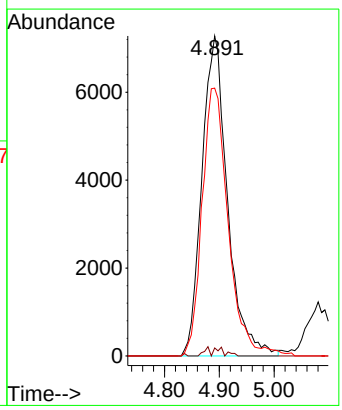
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

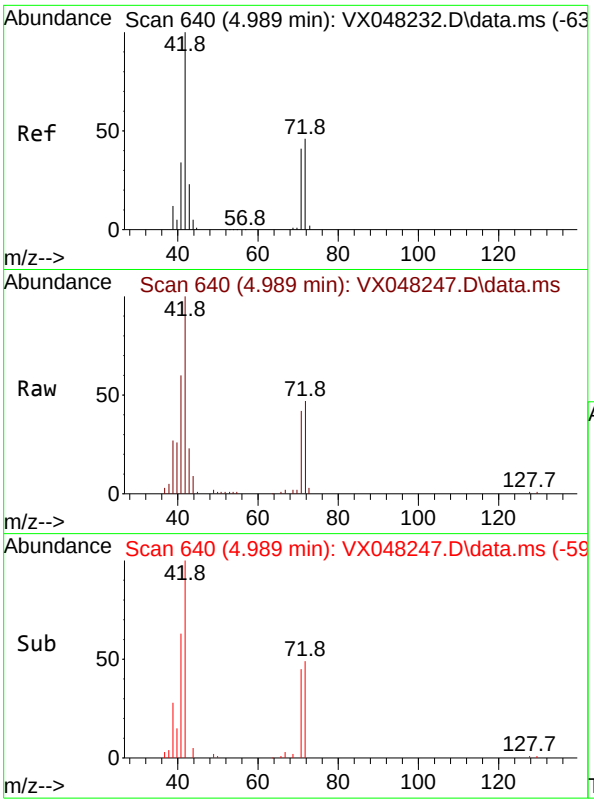



#28
Bromochloromethane
Concen: 23.567 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 49 Resp: 23578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.6 | 0.0 | 4.4 |
| 130 | 85.5 | 59.3 | 88.9 |






#29
Tetrahydrofuran
Concen: 101.247 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

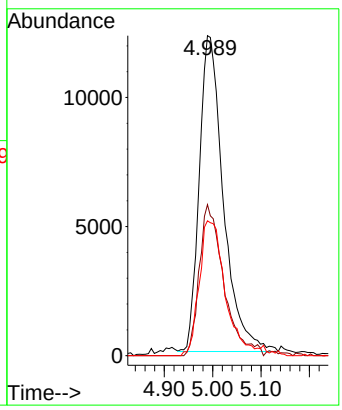
Tgt Ion: 42 Resp: 4237

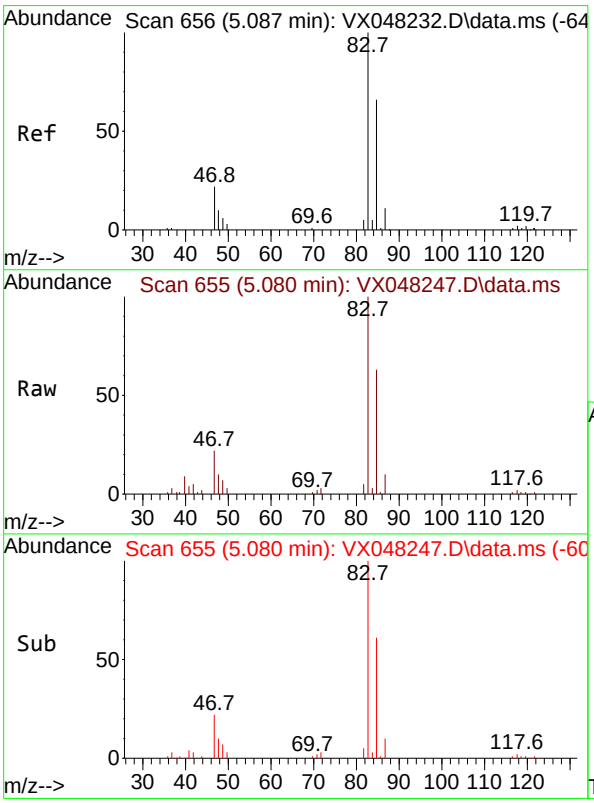
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.4 | 35.3 | 52.9 |
| 71 | 45.9 | 32.2 | 48.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

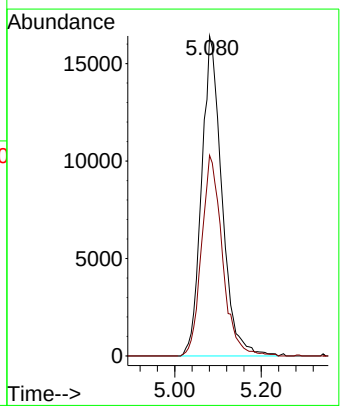


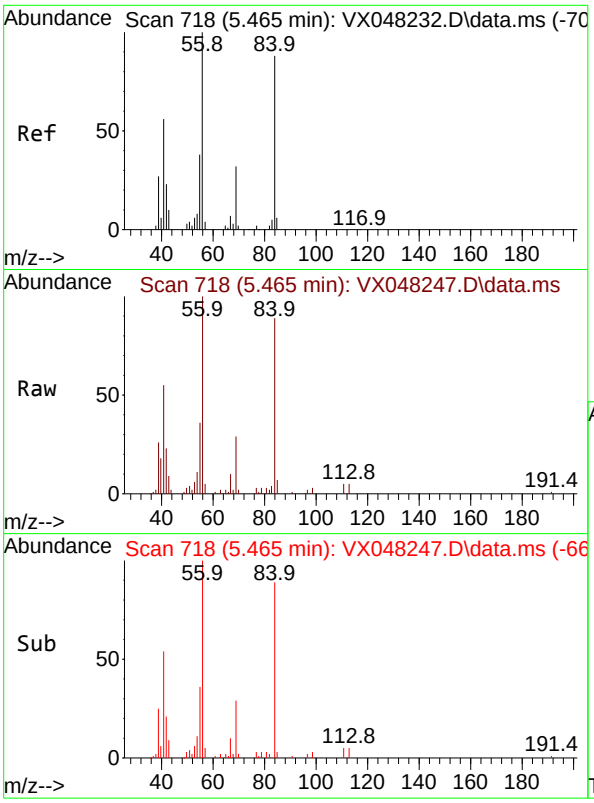




#30
Chloroform
Concen: 20.734 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 83 Resp: 53451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.8 | 50.1 | 75.1 |

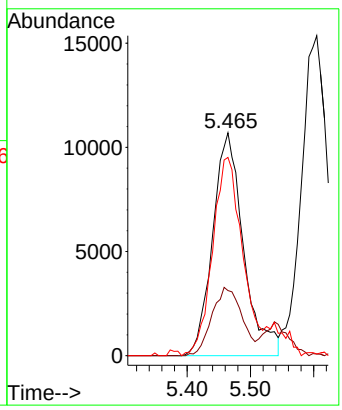





#31
Cyclohexane
Concen: 18.086 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 56 Resp: 3613

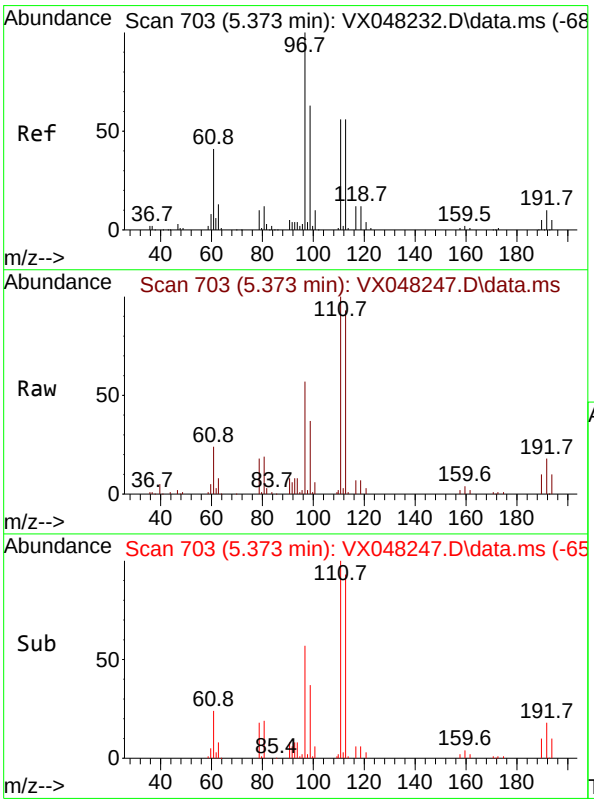
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.2 | 23.0 | 34.6 |
| 84 | 86.9 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

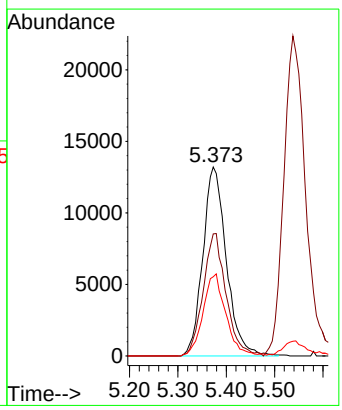
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

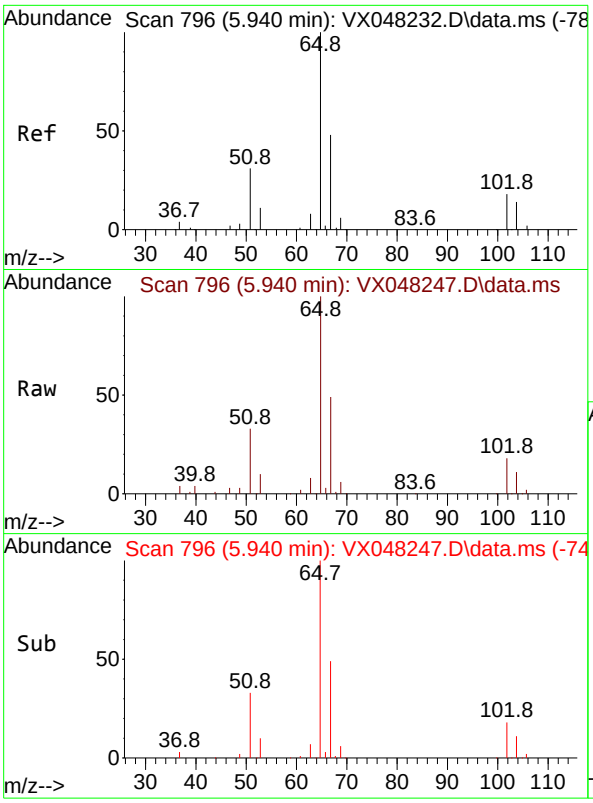



#32
1,1,1-Trichloroethane
Concen: 18.771 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 97 Resp: 44597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.1 | 51.7 | 77.5 |
| 61 | 42.1 | 34.8 | 52.2 |

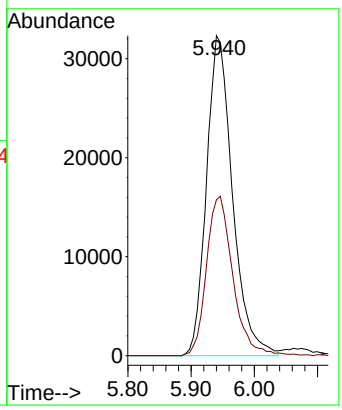





#33
1,2-Dichloroethane-d4
Concen: 57.512 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 65 Resp: 9255

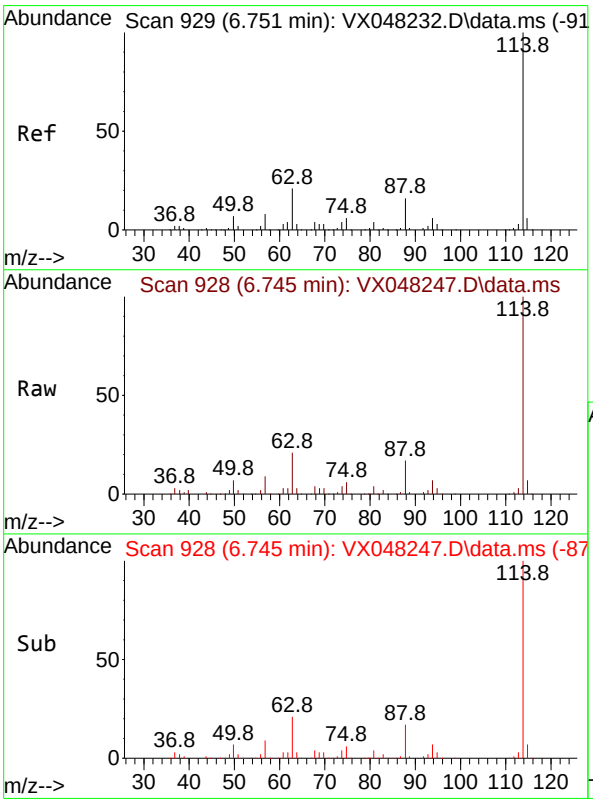
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 105.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

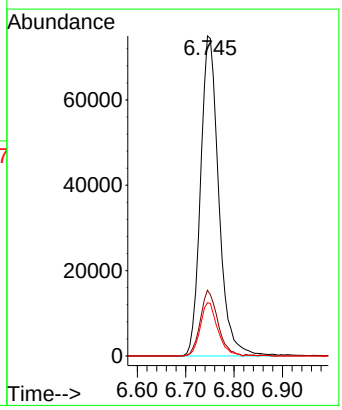
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

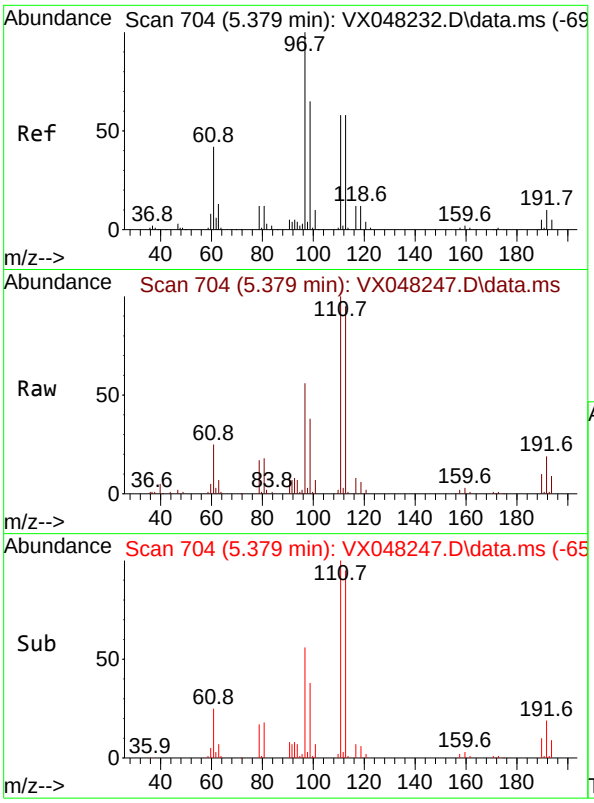



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:114 Resp: 195841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 43.2 |
| 88 | 16.7 | 0.0 | 33.6 |

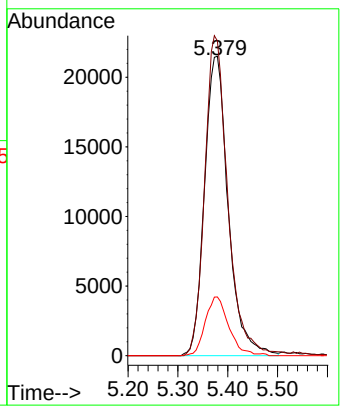





#35
Dibromofluoromethane
Concen: 53.212 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:113 Resp: 7114

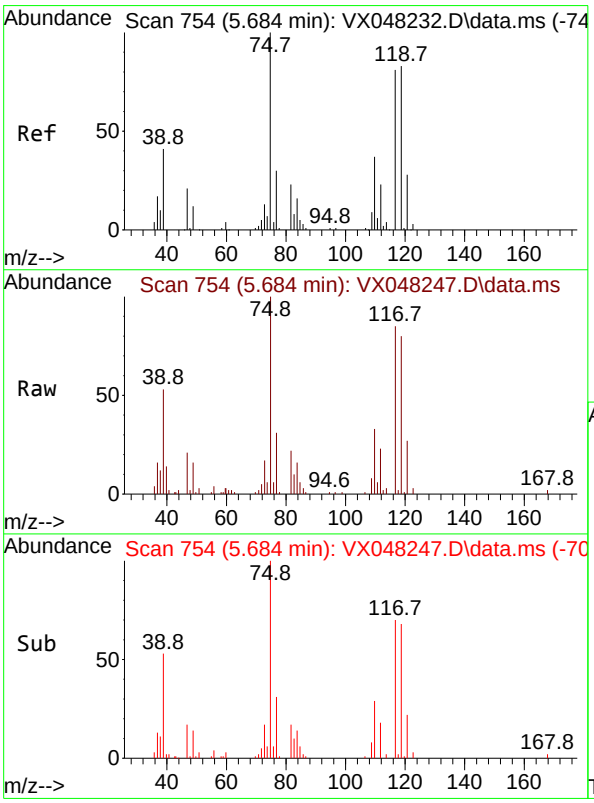
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.0 | 82.2 | 123.4 |
| 192 | 19.4 | 15.1 | 22.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

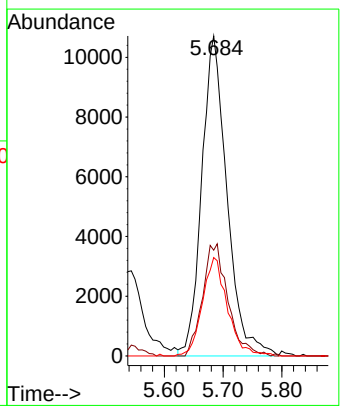
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

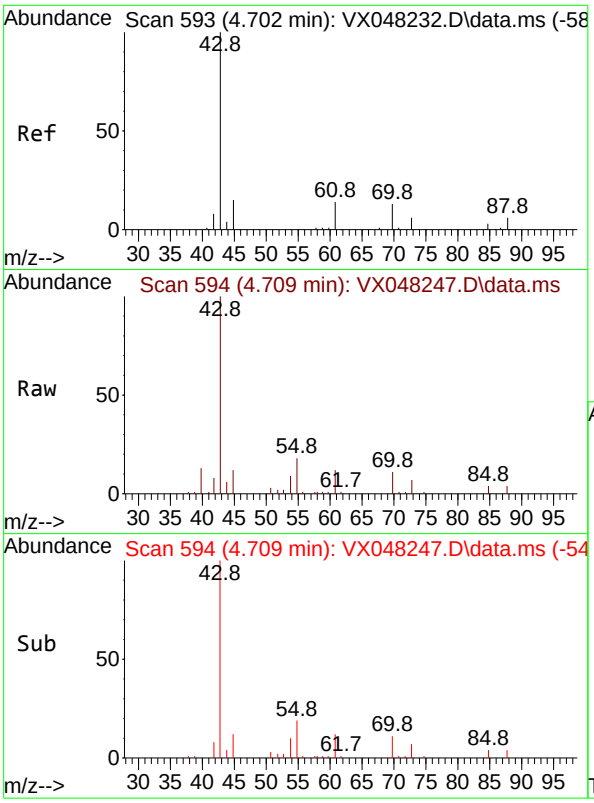



#36
1,1-Dichloropropene
Concen: 16.845 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 75 Resp: 32010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.3 | 17.7 | 53.1 |
| 77 | 30.5 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 20.506 ug/l
RT: 4.709 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

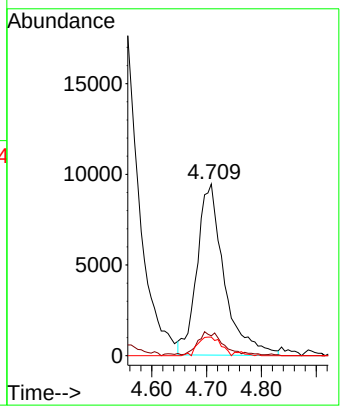
Tgt Ion: 43 Resp: 3229

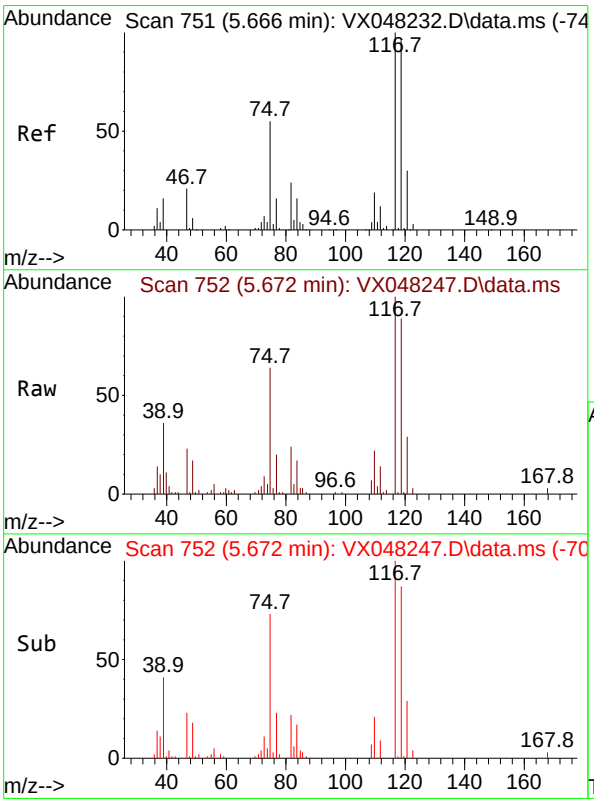
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.0 | 10.6 | 15.8 |
| 70 | 9.3 | 7.8 | 11.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

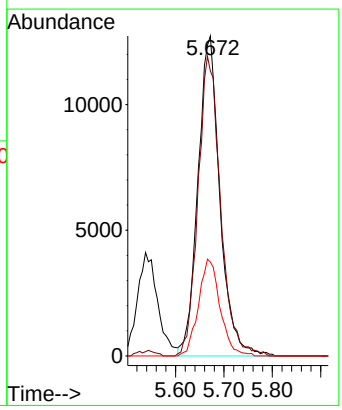


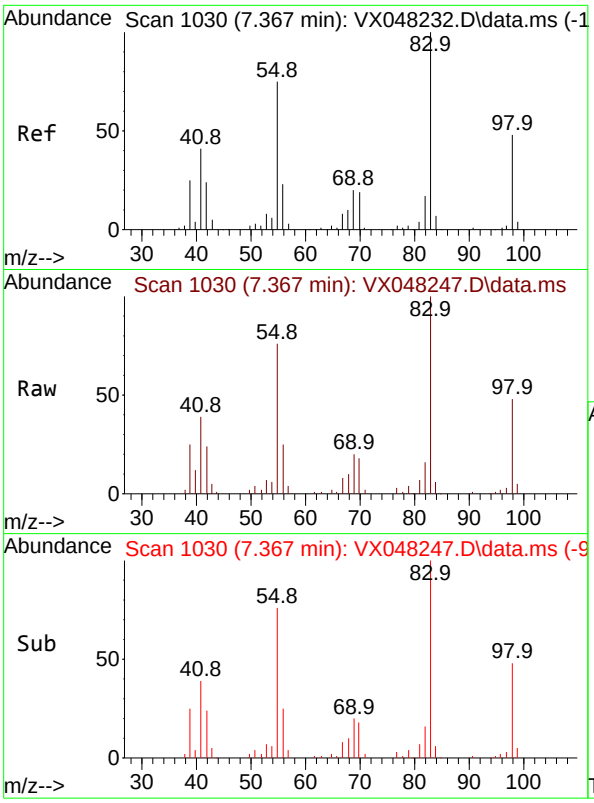




#38
Carbon Tetrachloride
Concen: 17.139 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:117 Resp: 40183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 89.1 | 77.2 | 115.8 |
| 121 | 29.3 | 24.8 | 37.2 |

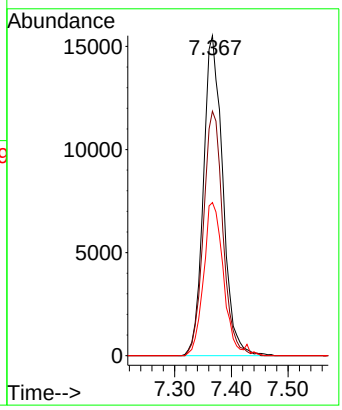





#39
Methylcyclohexane
Concen: 16.396 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 83 Resp: 3679

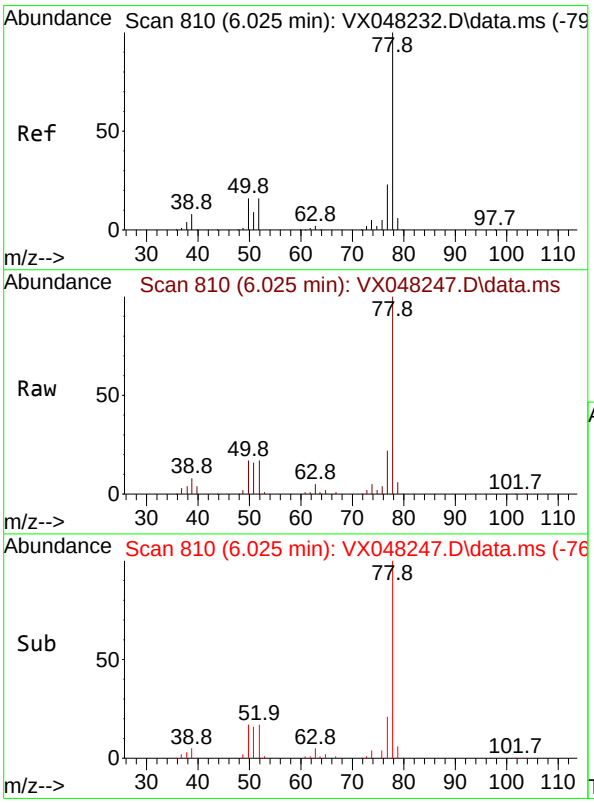
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.4 | 66.2 | 99.2 |
| 98 | 47.8 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

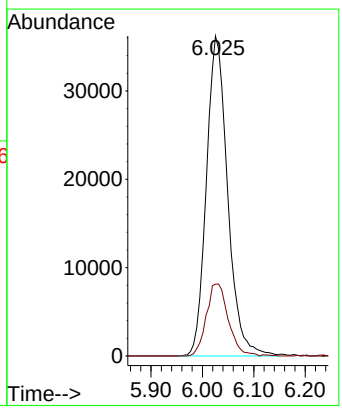
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

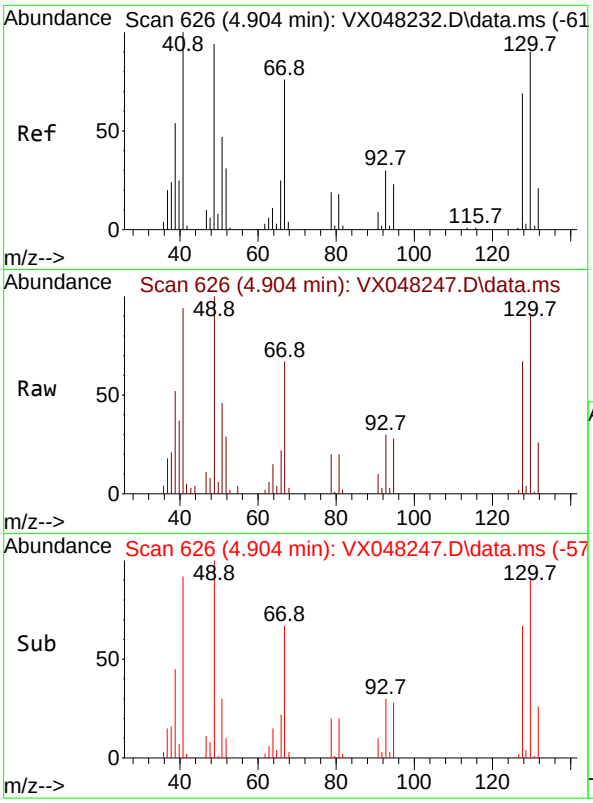



#40
Benzene
Concen: 18.880 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 78 Resp: 104164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.5 | 19.3 | 28.9 |

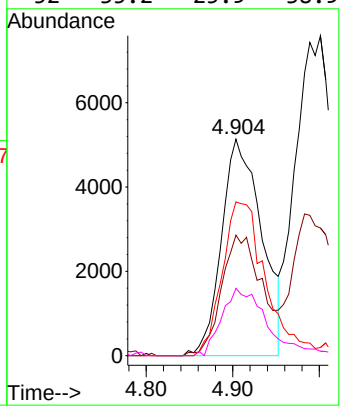





#41
Methacrylonitrile
Concen: 19.993 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 41 Resp: 1653

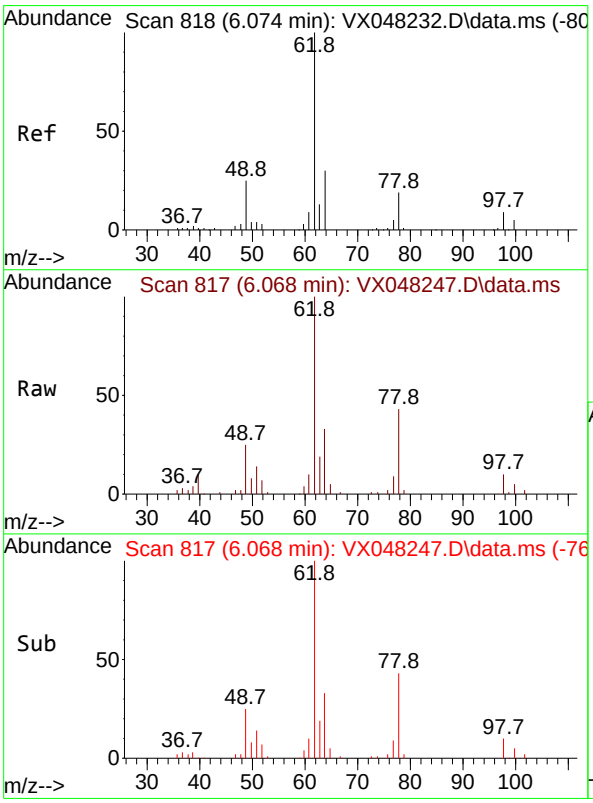
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.8 | 44.0 | 66.0 |
| 67 | 77.6 | 58.7 | 88.1 |
| 52 | 35.2 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

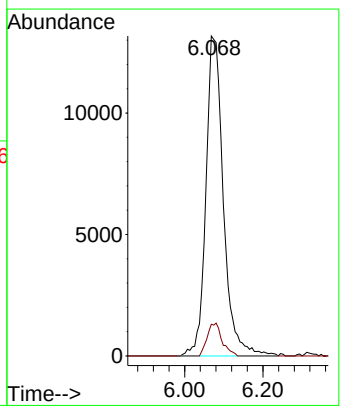
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

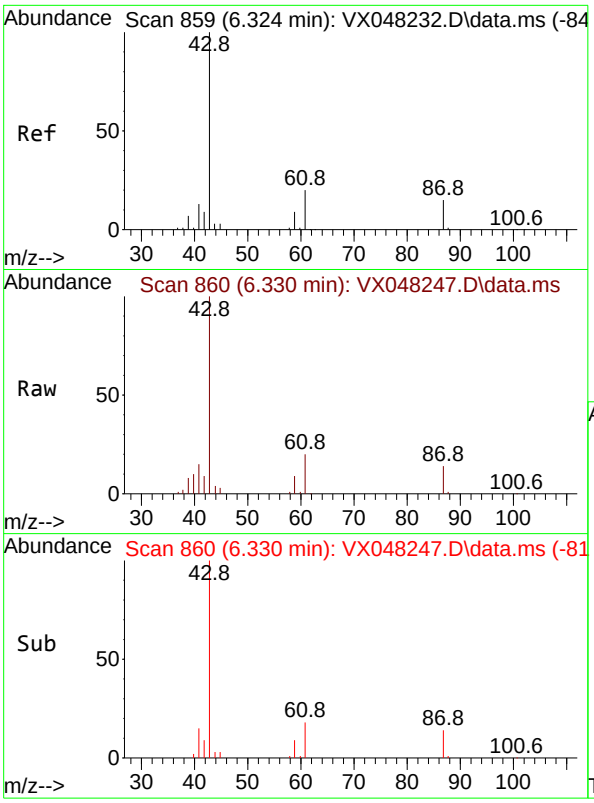



#42
1,2-Dichloroethane
Concen: 20.051 ug/l
RT: 6.068 min Scan# 817
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 62 Resp: 40822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.2 |






#43
Isopropyl Acetate
Concen: 20.109 ug/l
RT: 6.330 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

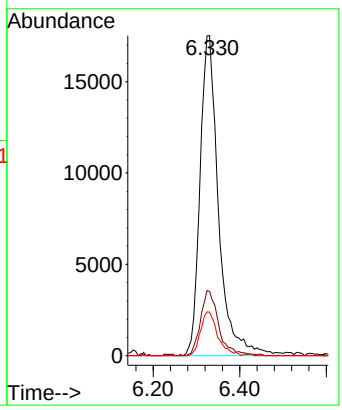
Tgt Ion: 43 Resp: 5202

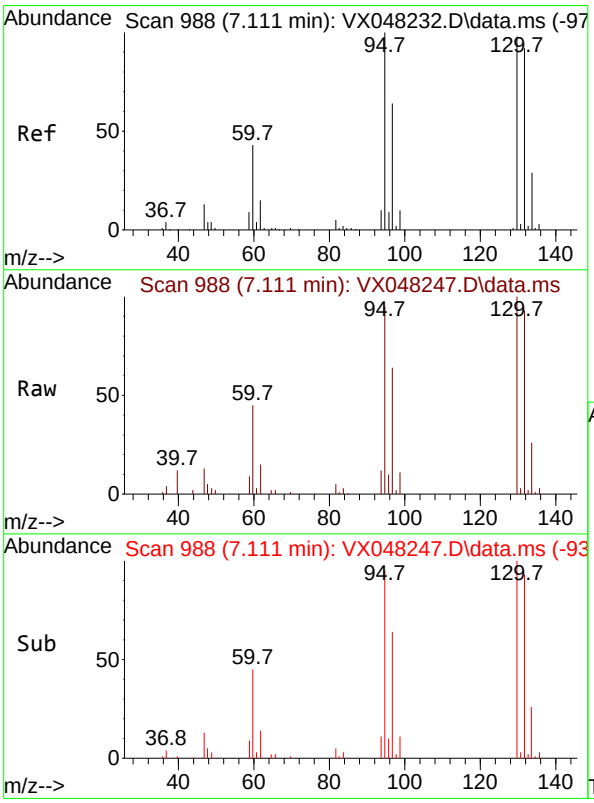
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.1 | 14.9 | 22.3 |
| 87 | 12.6 | 9.4 | 14.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

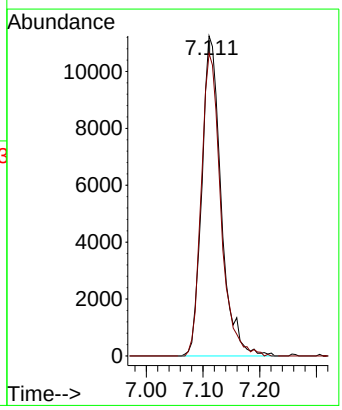


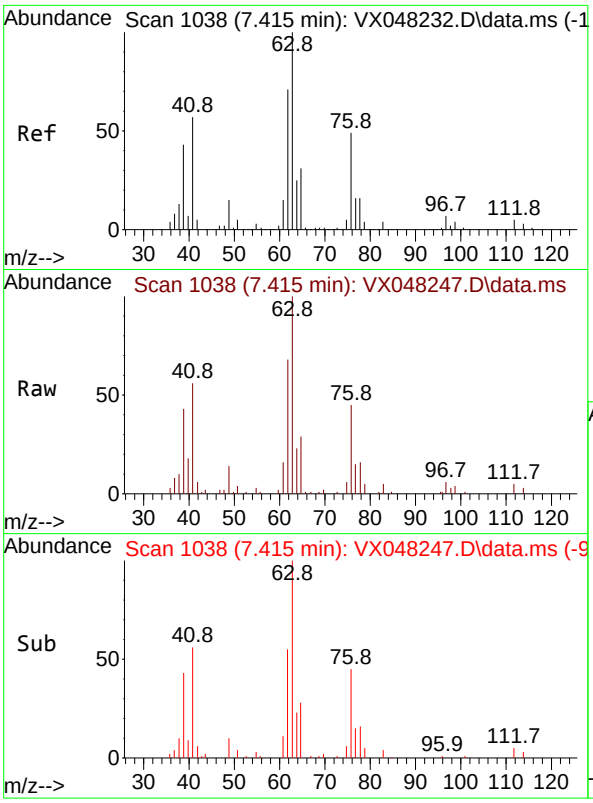




#44
Trichloroethene
Concen: 18.188 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:130 Resp: 26497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 94.6 | 0.0 | 200.6 |

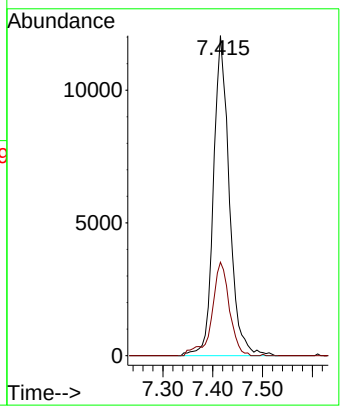





#45
1,2-Dichloropropane
Concen: 20.350 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 63 Resp: 2669

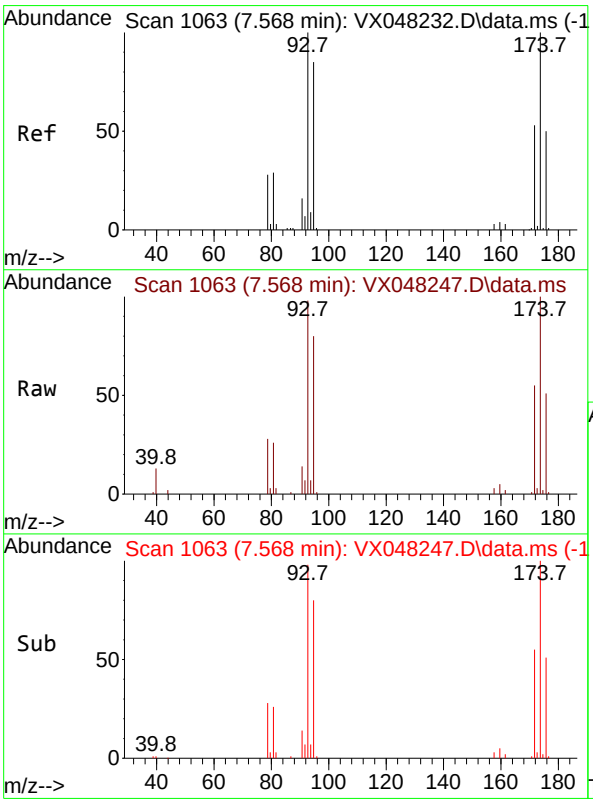
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.2 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations APPROVED**

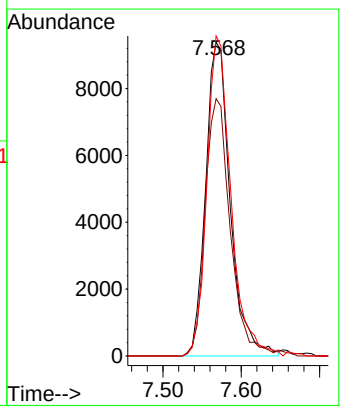
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

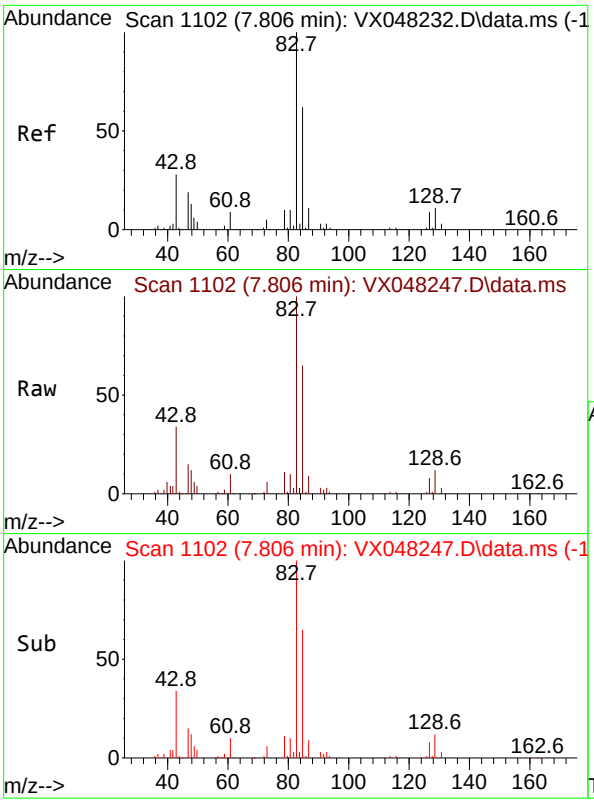



#46
Dibromomethane
Concen: 20.029 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 93 Resp: 20469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.3 | 65.9 | 98.9 |
| 174 | 99.4 | 71.7 | 107.5 |

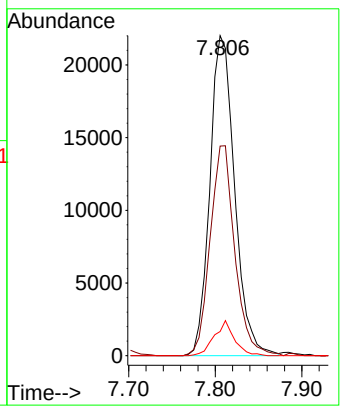





#47
Bromodichloromethane
Concen: 19.832 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 83 Resp: 4376

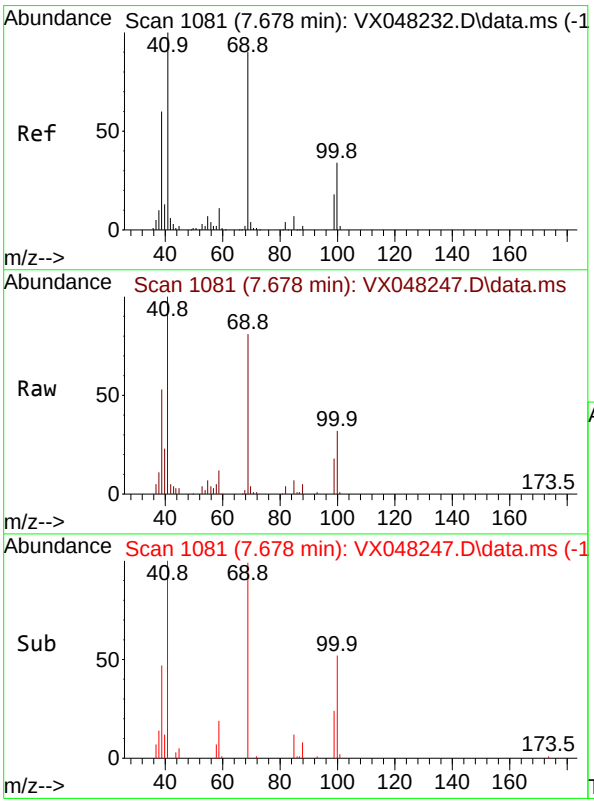
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.5 | 52.2 | 78.4 |
| 127 | 7.5 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

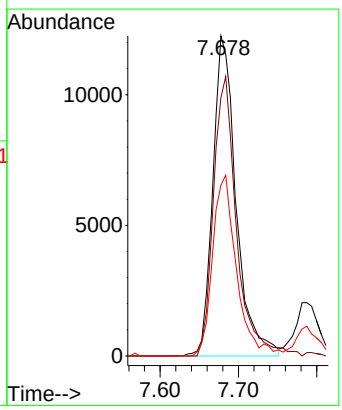
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

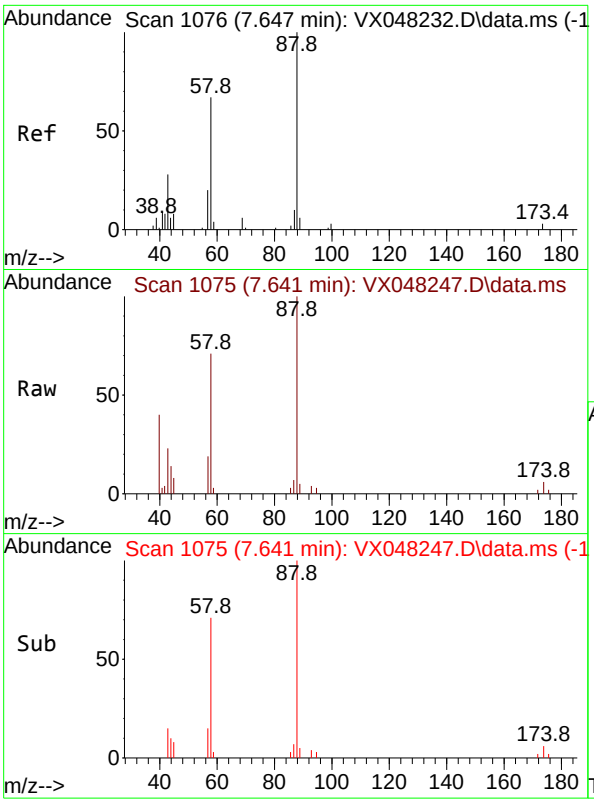



#48
Methyl methacrylate
Concen: 19.392 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 41 Resp: 25318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.6 | 63.4 | 95.0 |
| 39 | 58.0 | 47.1 | 70.7 |

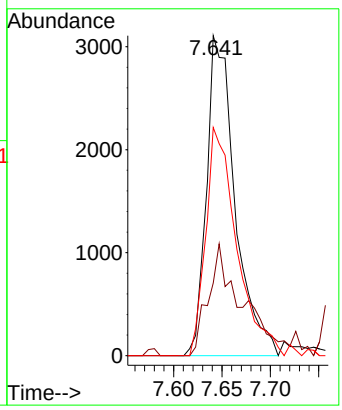





#49
1,4-Dioxane
Concen: 370.238 ug/l
RT: 7.641 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 88 Resp: 638

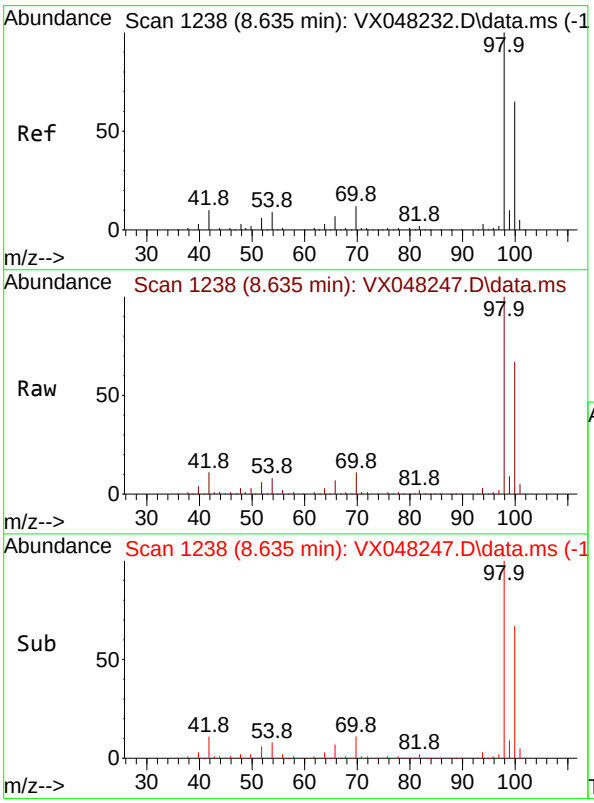
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.9 | 35.0 | 52.4 |
| 58 | 77.2 | 61.9 | 92.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations APPROVED**

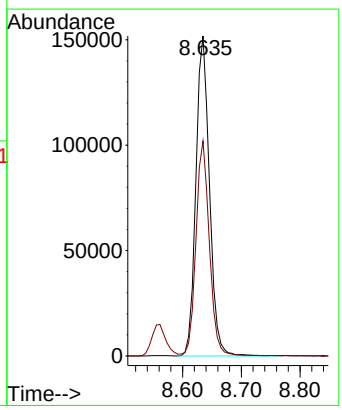
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

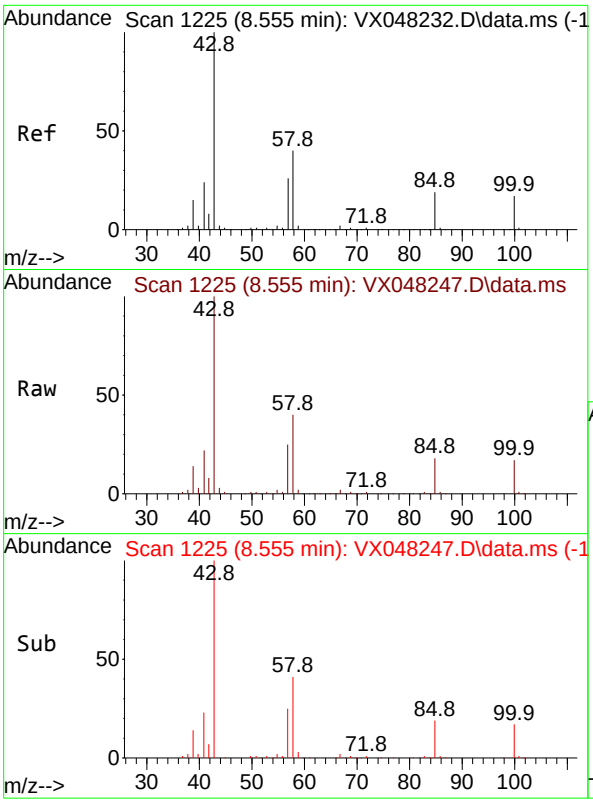



#50
Toluene-d8
Concen: 51.915 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 98 Resp: 243288

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

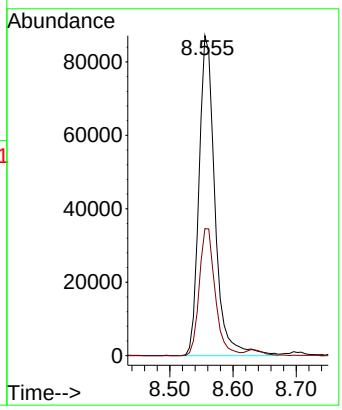





#51
4-Methyl-2-Pentanone
Concen: 102.812 ug/l
RT: 8.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 43 Resp: 15337

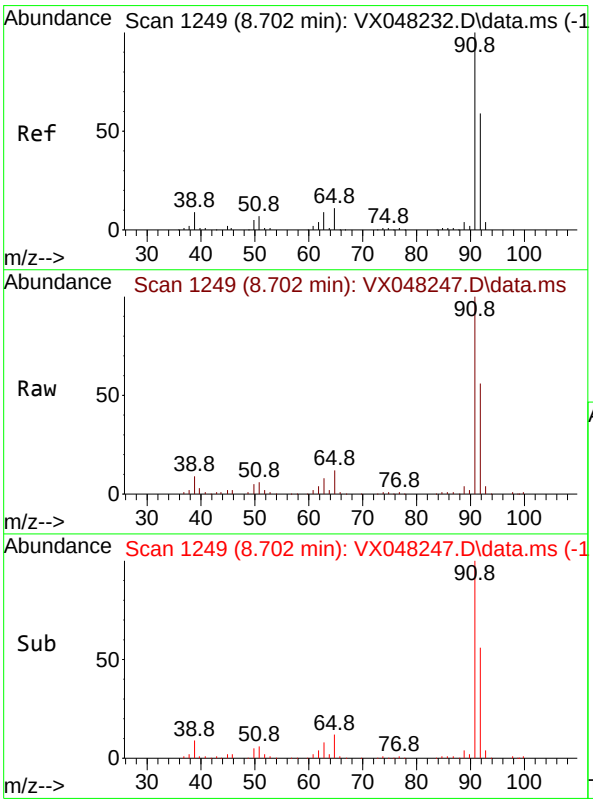
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.6 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations APPROVED**

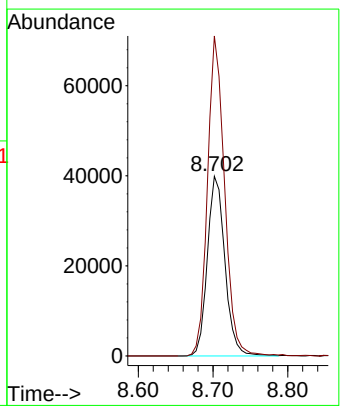
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

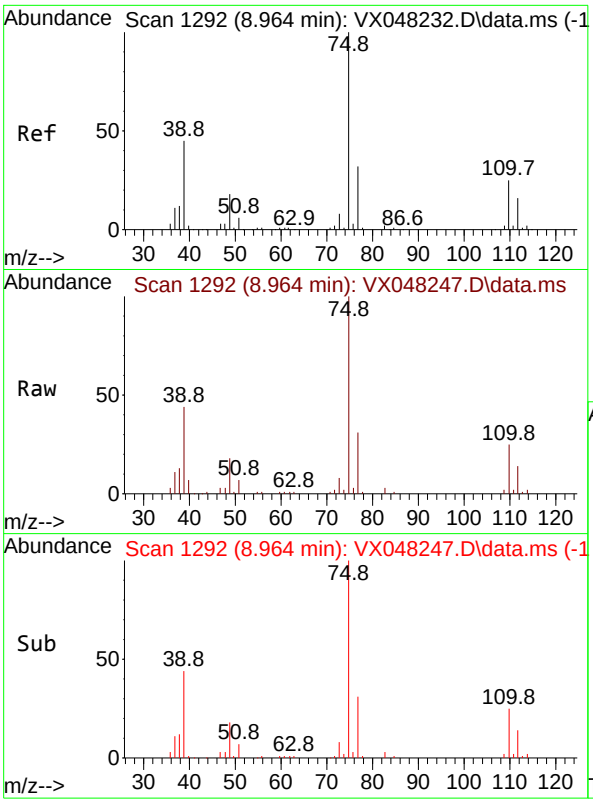



#52
Toluene
Concen: 18.650 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 92 Resp: 65370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.3 | 136.1 | 204.1 |

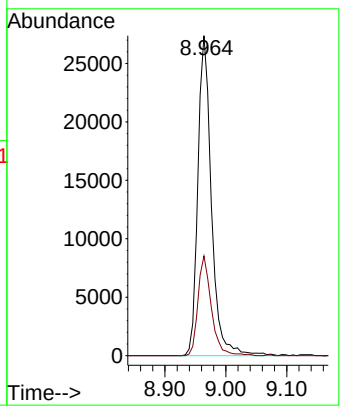





#53
t-1,3-Dichloropropene
Concen: 19.900 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 75 Resp: 4231

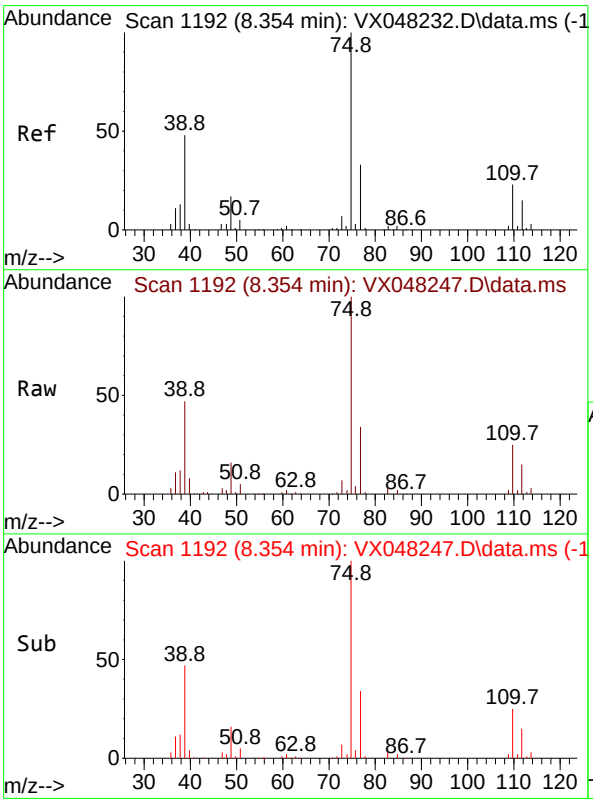
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

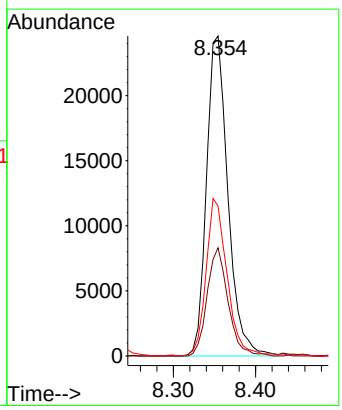
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

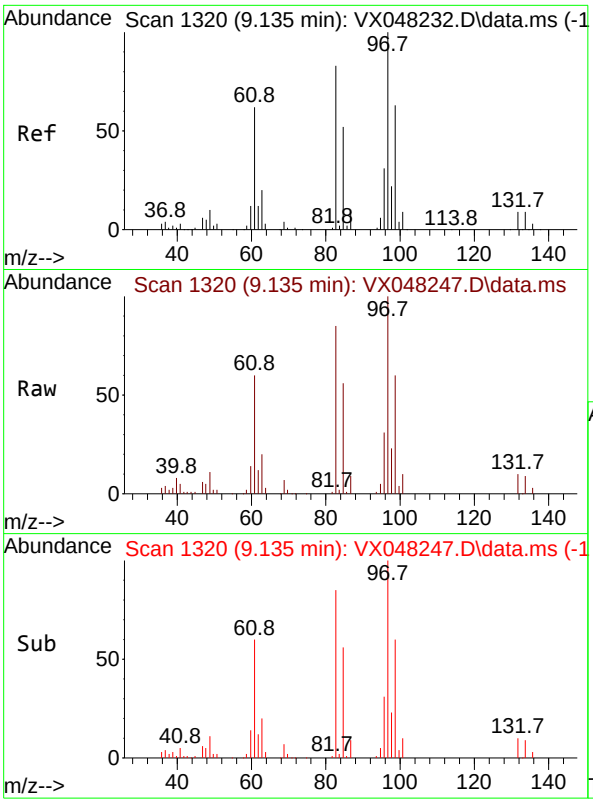



#54
cis-1,3-Dichloropropene
Concen: 19.362 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 75 Resp: 44419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.8 | 24.9 | 37.3 |
| 39 | 41.6 | 42.6 | 64.0# |

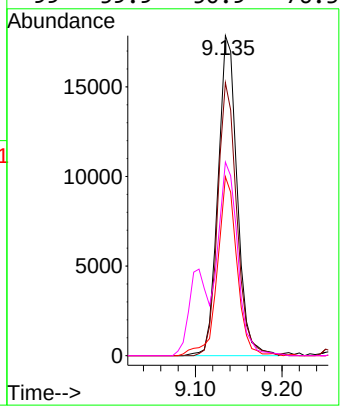





#55
1,1,2-Trichloroethane
Concen: 21.083 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 97 Resp: 2748

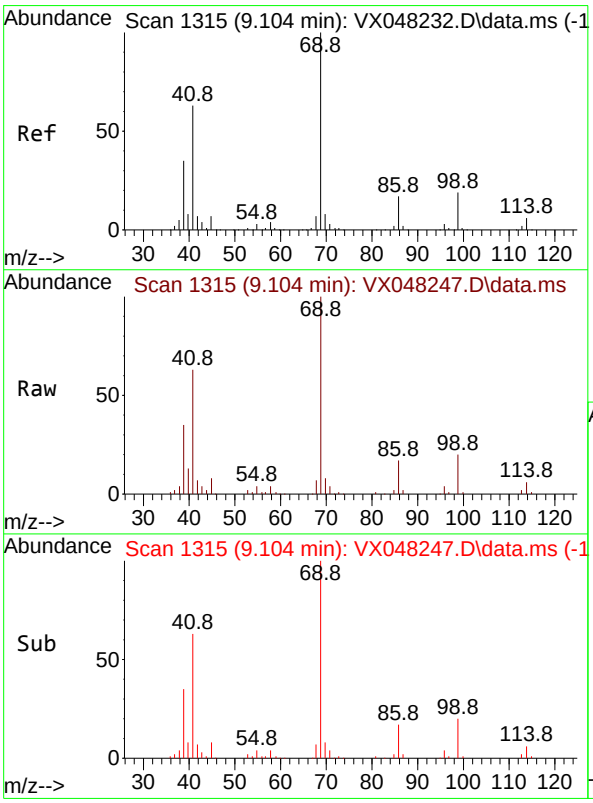
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.3 | 70.6 | 105.8 |
| 85 | 57.3 | 45.0 | 67.6 |
| 99 | 59.9 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations APPROVED**

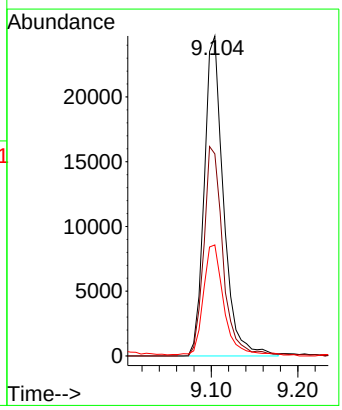
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

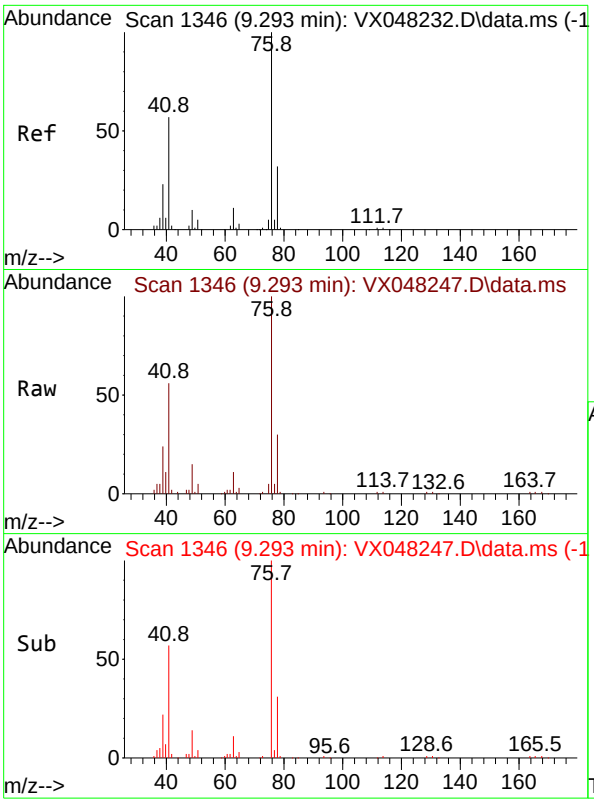



#56
Ethyl methacrylate
Concen: 19.978 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 69 Resp: 38089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 65.9 | 56.0 | 84.0 |
| 39 | 37.8 | 31.6 | 47.4 |

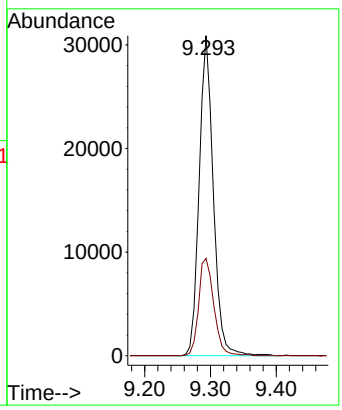





#57
1,3-Dichloropropane
Concen: 20.726 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 76 Resp: 4614

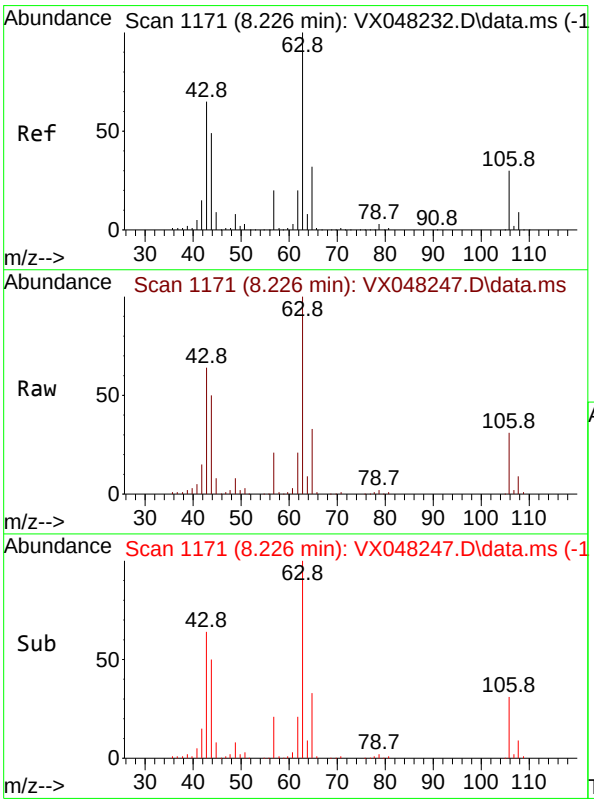
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 25.4 | 38.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

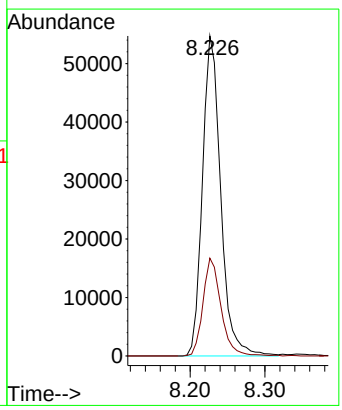
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

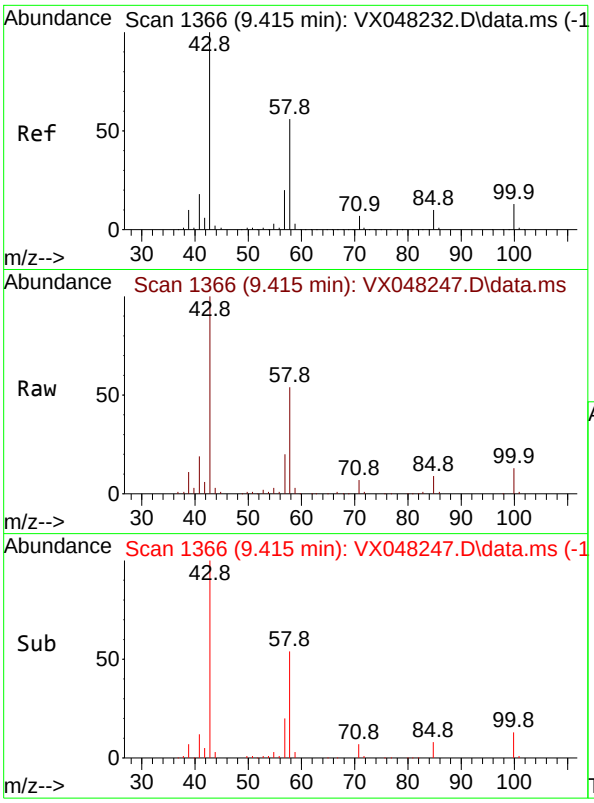



#58
2-Chloroethyl Vinyl ether
Concen: 91.719 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 63 Resp: 92914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.1 | 22.2 | 33.2 |

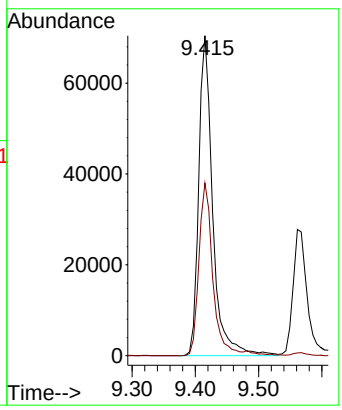





#59
2-Hexanone
Concen: 104.075 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 43 Resp: 10825

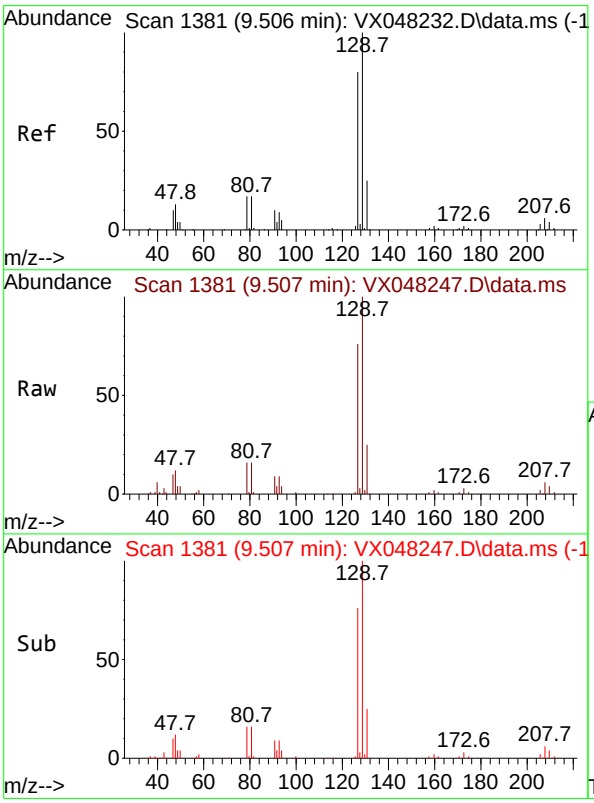
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.9 | 26.3 | 78.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

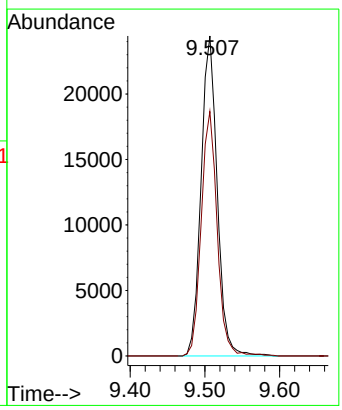
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

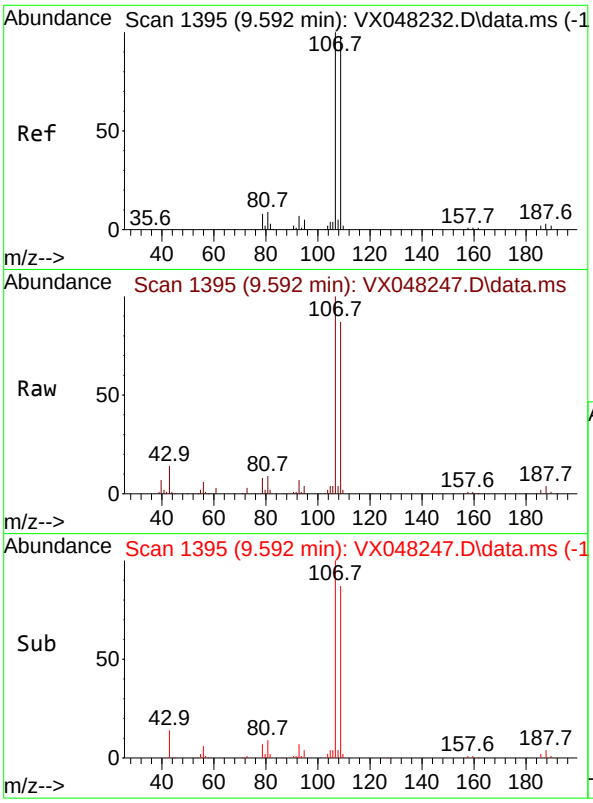



#60
Dibromochloromethane
Concen: 20.894 ug/l
RT: 9.507 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:129 Resp: 36604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.8 | 38.6 | 115.7 |

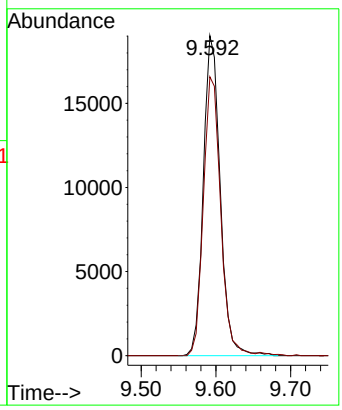





#61
1,2-Dibromoethane
Concen: 21.420 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:107 Resp: 2976

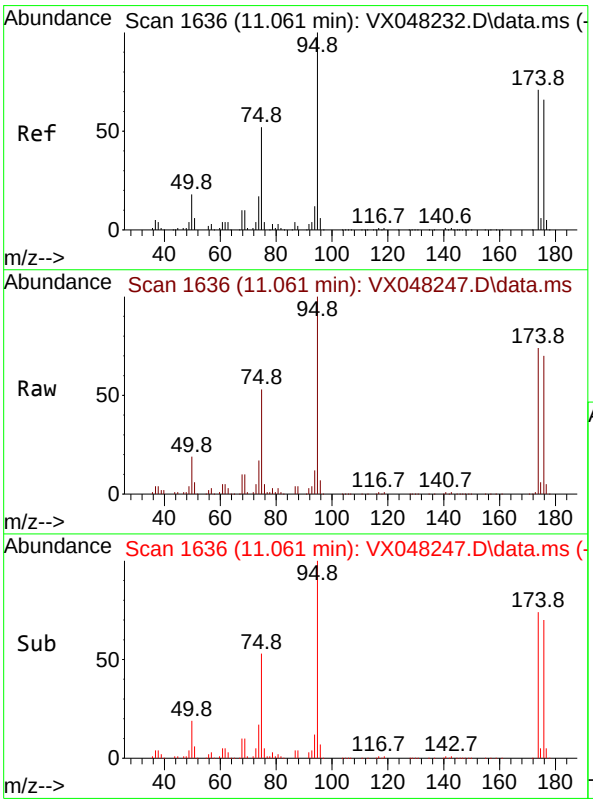
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 89.3 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

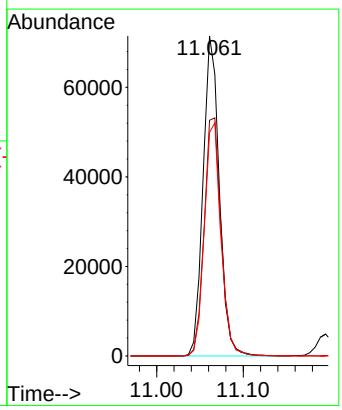
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

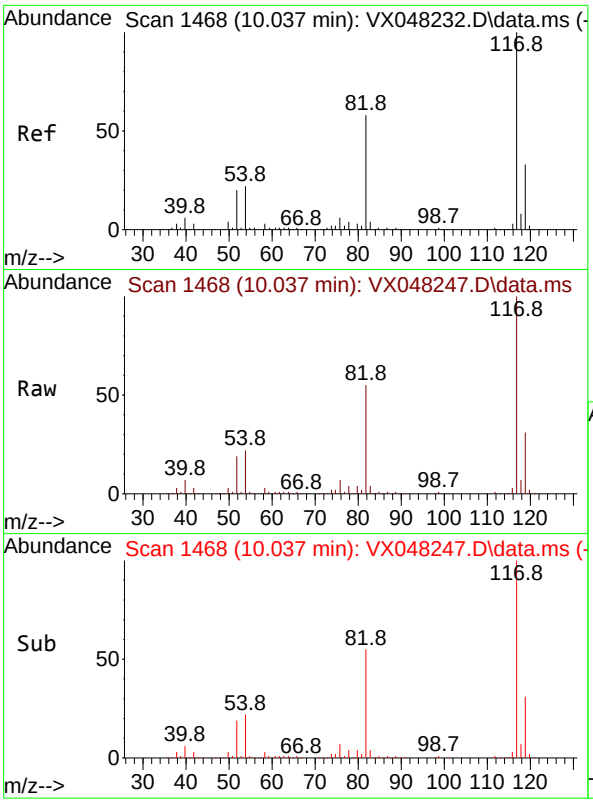



#62
4-Bromofluorobenzene
Concen: 52.139 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 95 Resp: 92954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.2 | 0.0 | 147.8 |
| 176 | 74.5 | 0.0 | 142.8 |

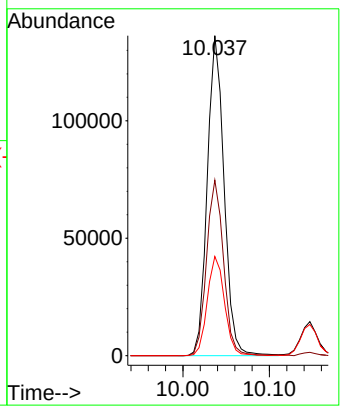





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:117 Resp: 18356

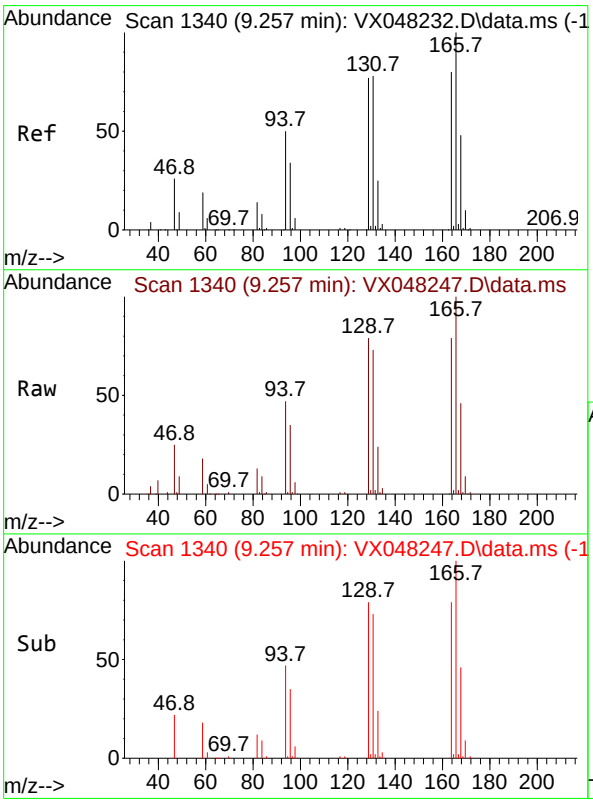
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.9 | 46.5 | 69.7 |
| 119 | 31.0 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

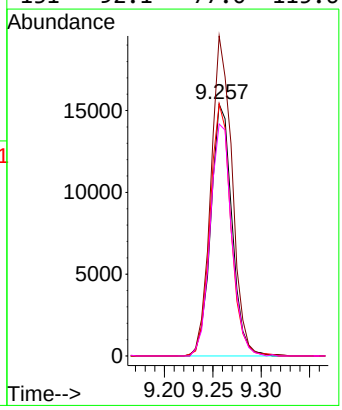
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

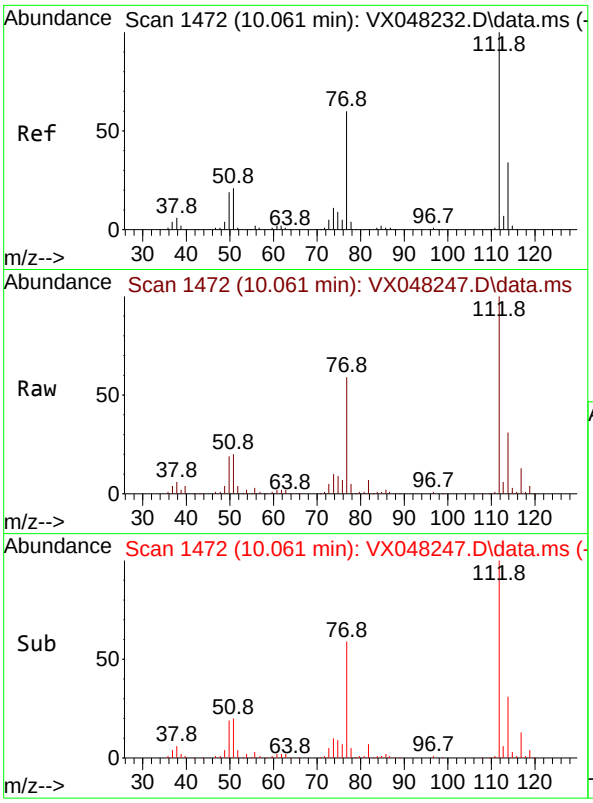



#64
Tetrachloroethene
Concen: 17.018 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:164 Resp: 23320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.0 | 104.5 | 156.7 |
| 129 | 100.1 | 81.8 | 122.6 |
| 131 | 92.1 | 77.0 | 115.6 |

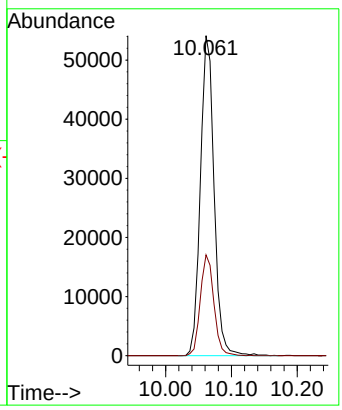





#65
Chlorobenzene
Concen: 18.971 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:112 Resp: 7833

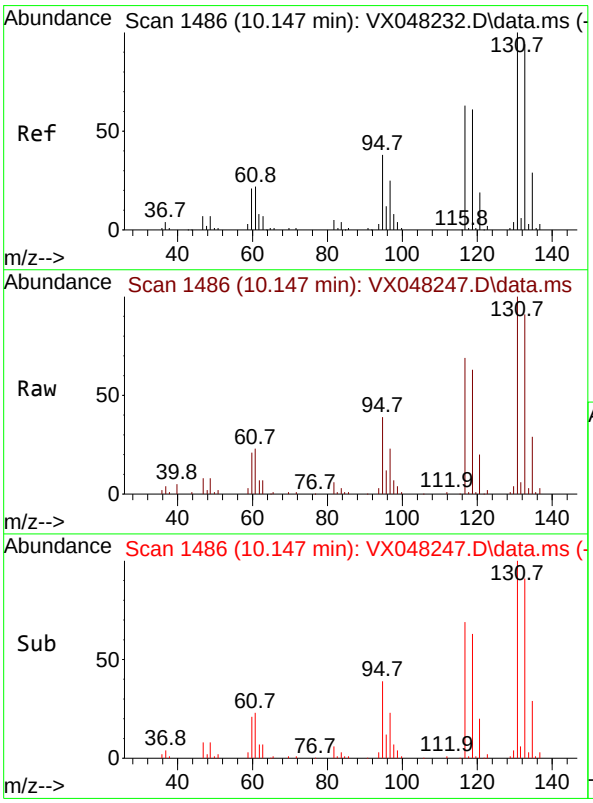
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.5 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

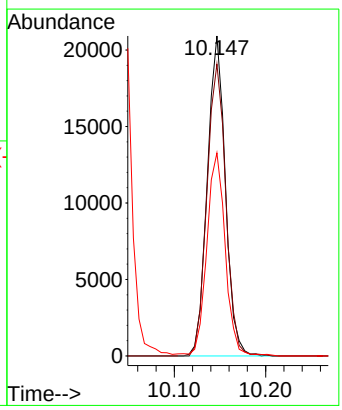
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

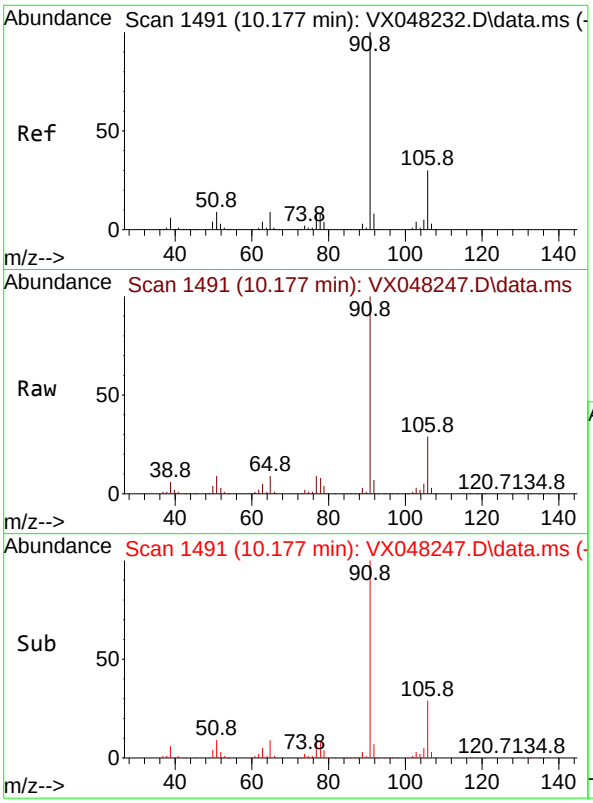



#66
1,1,1,2-Tetrachloroethane
Concen: 18.889 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:131 Resp: 28648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 47.6 | 142.8 |
| 119 | 64.9 | 32.5 | 97.5 |






#67
Ethyl Benzene
Concen: 17.821 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

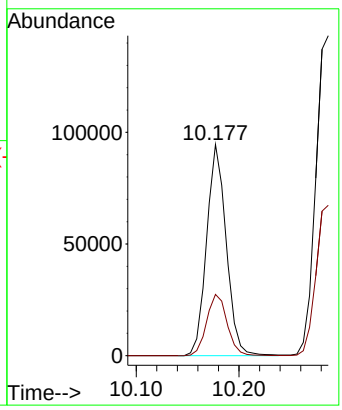
Tgt Ion: 91 Resp: 12529

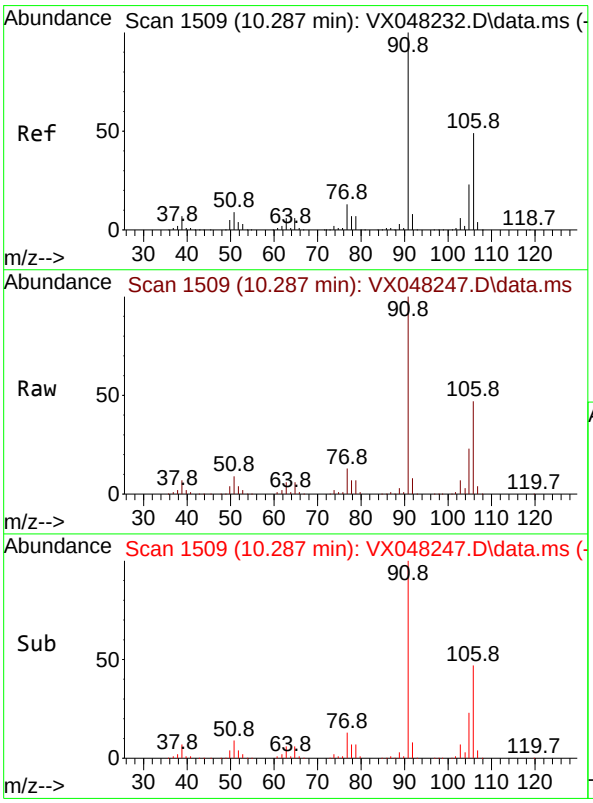
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.0 | 23.8 | 35.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

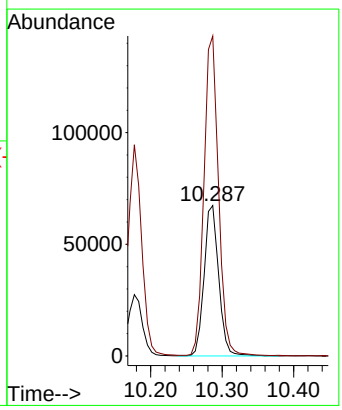


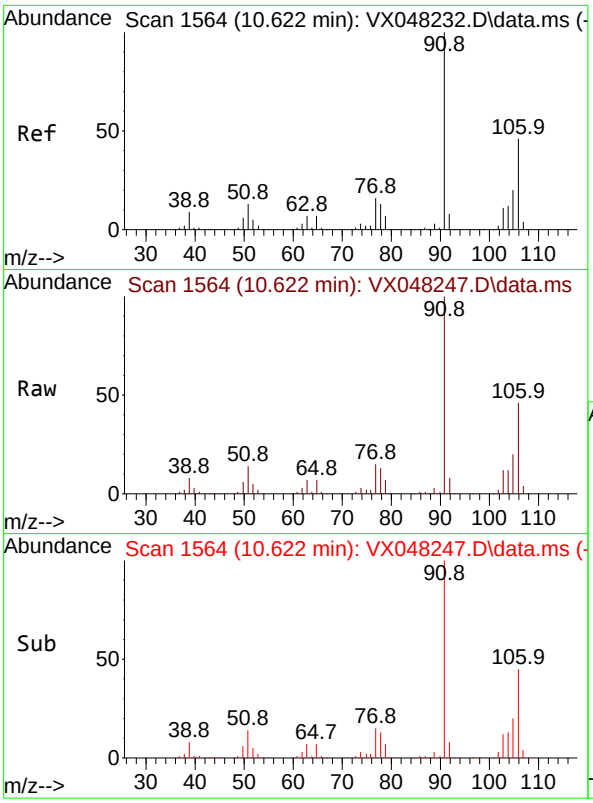




#68
m/p-Xylenes
Concen: 36.604 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:106 Resp: 95614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.2 | 167.9 | 251.9 |

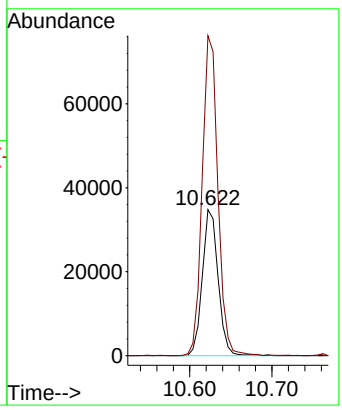





#69
o-Xylene
Concen: 18.374 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:106 Resp: 4633

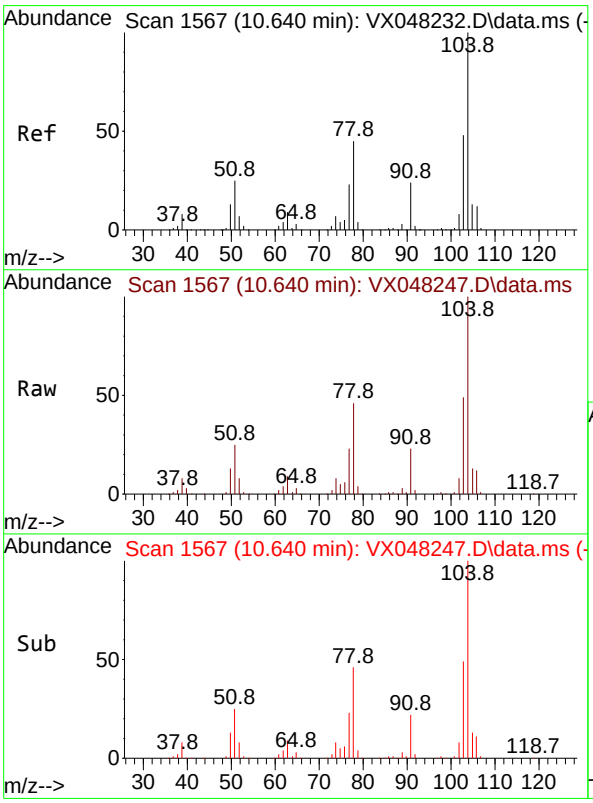
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.8 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

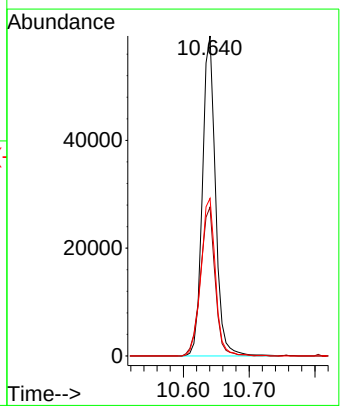
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

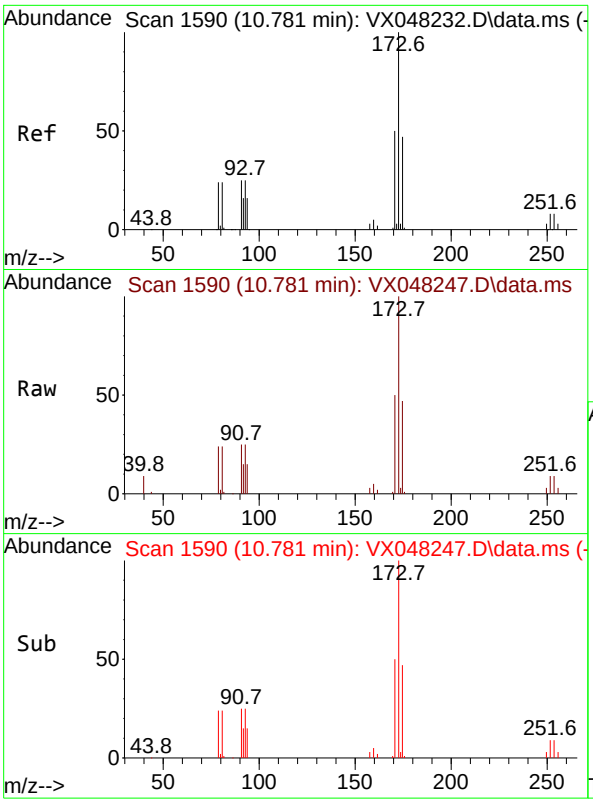



#70
Styrene
Concen: 19.141 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:104 Resp: 82194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.1 | 42.2 | 63.4 |
| 103 | 54.6 | 43.0 | 64.4 |

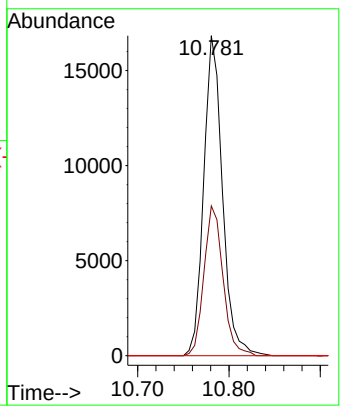





#71
Bromoform
Concen: 19.710 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:173 Resp: 2389

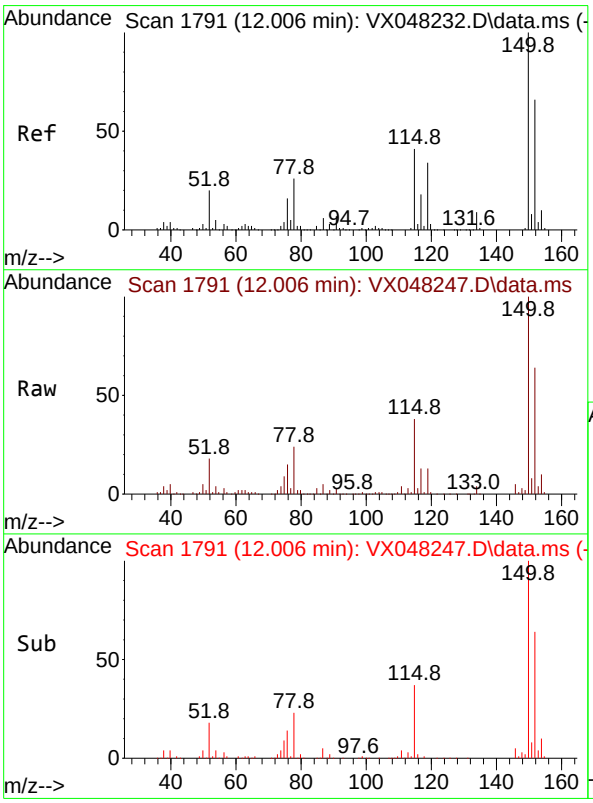
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.6 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

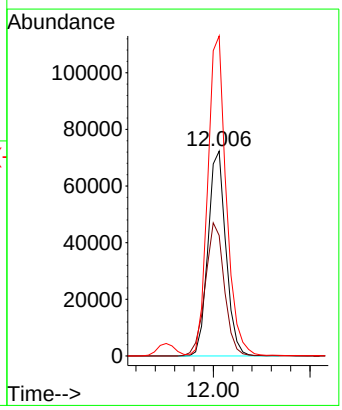
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

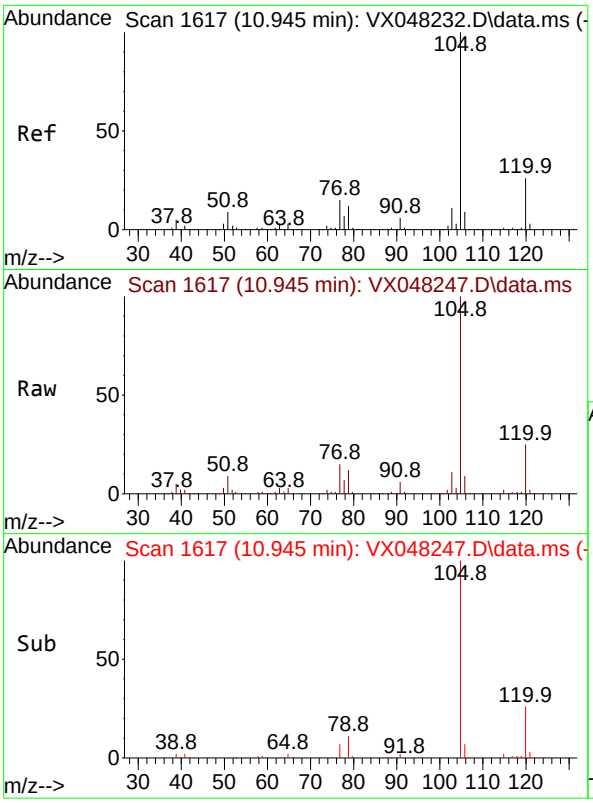



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:152 Resp: 92655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 69.3 | 43.1 | 129.4 |
| 150 | 161.7 | 0.0 | 353.0 |






#73
Isopropylbenzene
Concen: 17.504 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

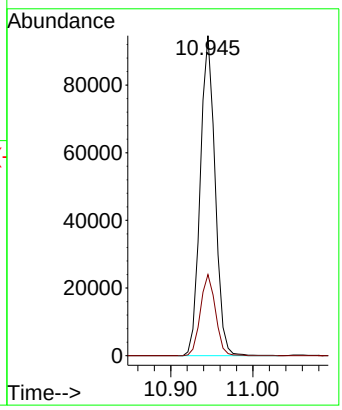
Tgt Ion:105 Resp: 11846

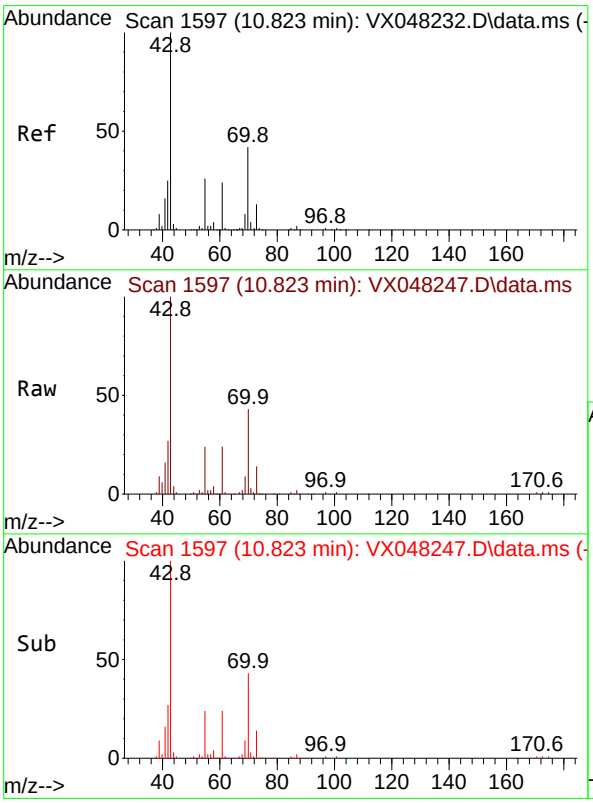
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 13.0 | 38.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

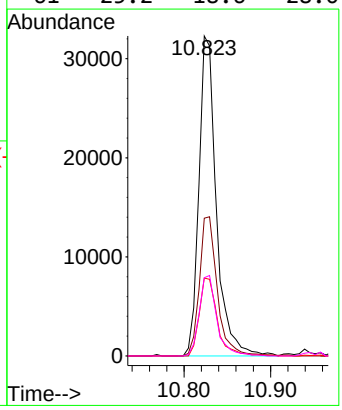


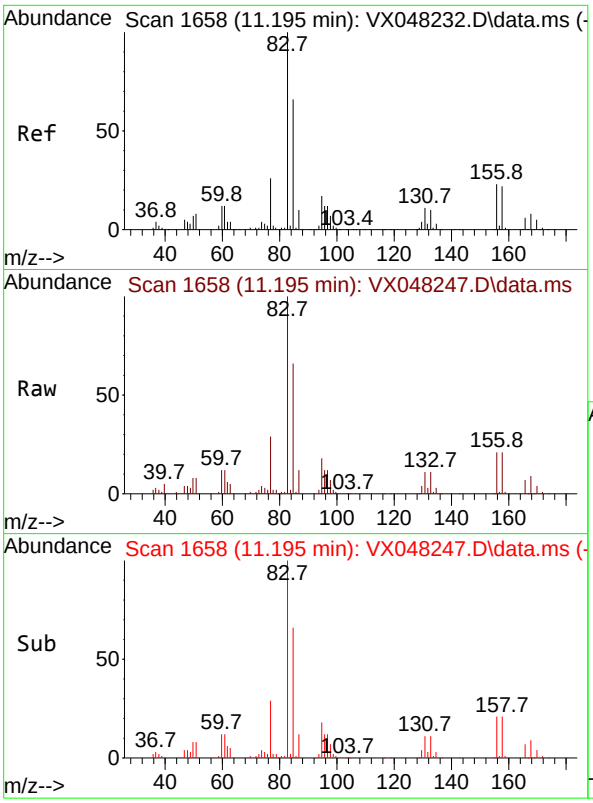




#74
N-amyl acetate
Concen: 18.864 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 43 Resp: 45284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.8 | 32.2 | 48.2 |
| 55 | 25.1 | 19.1 | 28.7 |
| 61 | 25.2 | 18.6 | 28.0 |

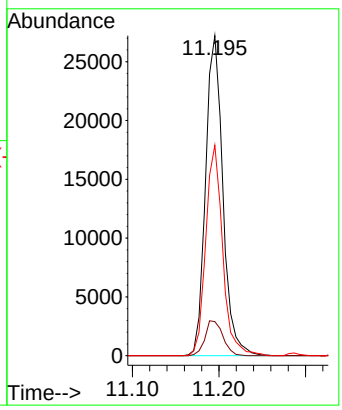





#75
1,1,2,2-Tetrachloroethane
Concen: 20.412 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 83 Resp: 3772

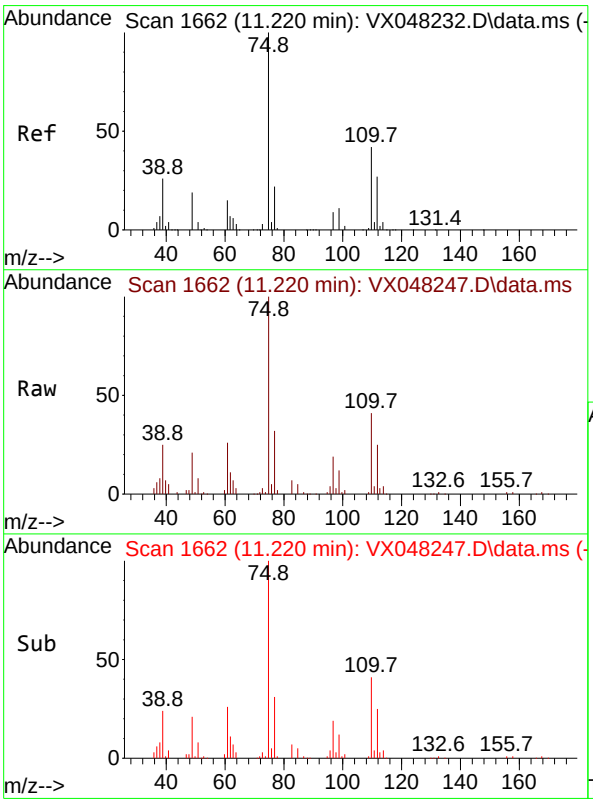
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 11.3 | 4.8 | 14.4 |
| 85 | 64.3 | 31.9 | 95.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

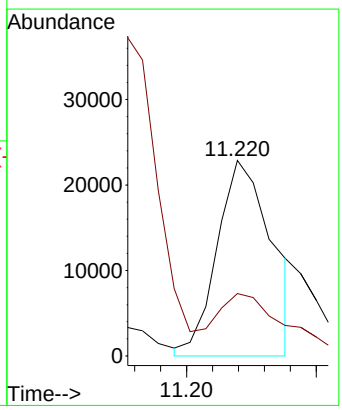
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

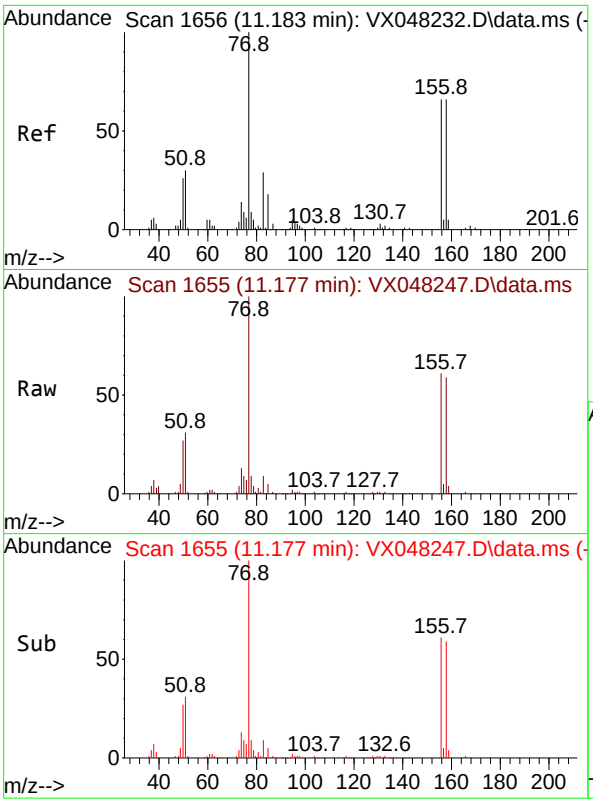



#76
1,2,3-Trichloropropane
Concen: 22.265 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 75 Resp: 33455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.1 | 22.4 | 67.2 |

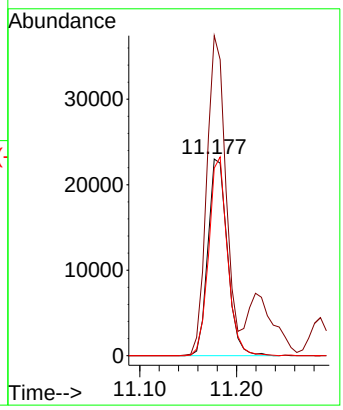





#77
Bromobenzene
Concen: 18.952 ug/l
RT: 11.177 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:156 Resp: 3215

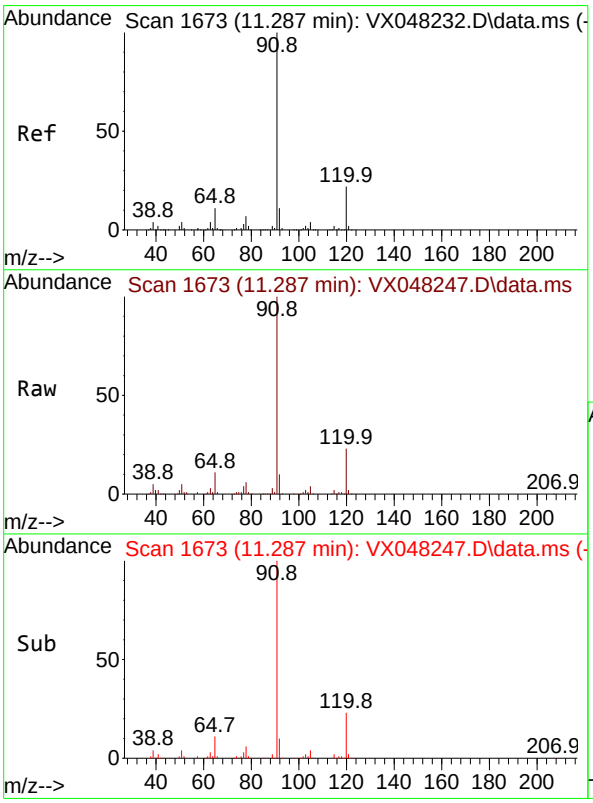
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 159.3 | 87.0 | 261.0 |
| 158 | 97.4 | 47.8 | 143.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

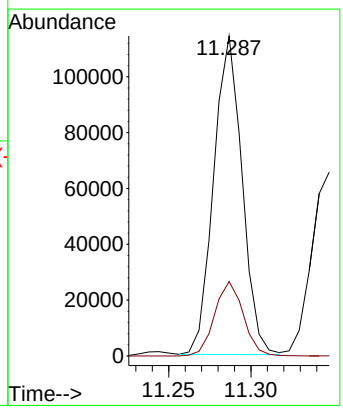
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

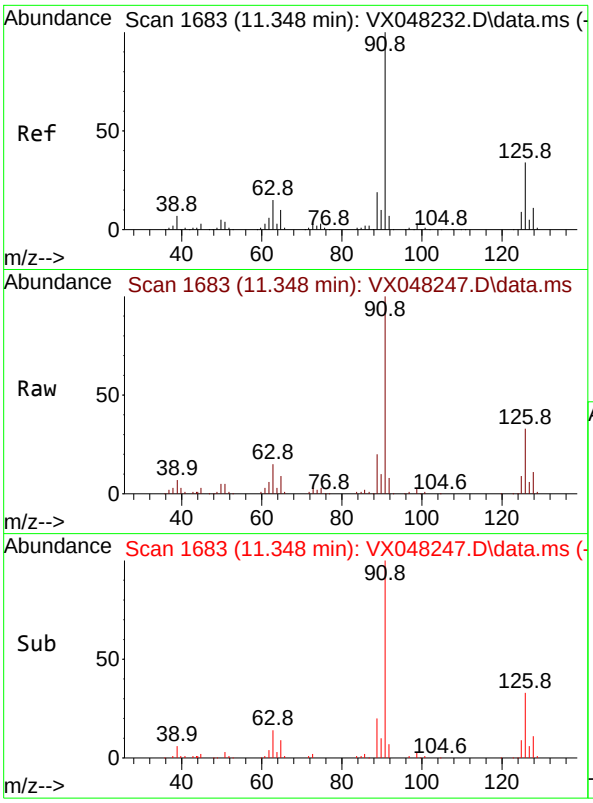



#78
n-propylbenzene
Concen: 17.482 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 91 Resp: 136981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.6 | 11.1 | 33.1 |






#79
2-Chlorotoluene
Concen: 18.016 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

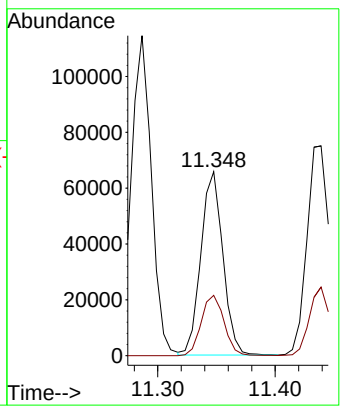
Tgt Ion: 91 Resp: 8558

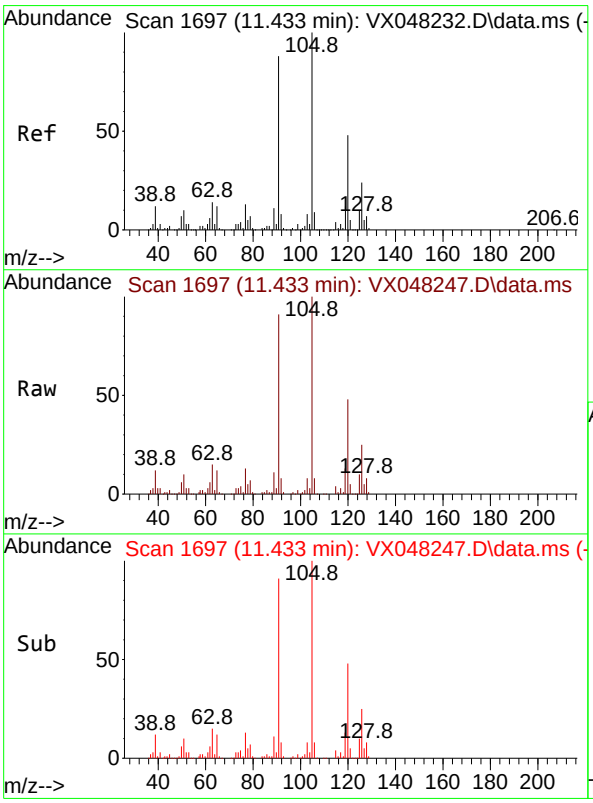
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.2 | 16.4 | 49.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

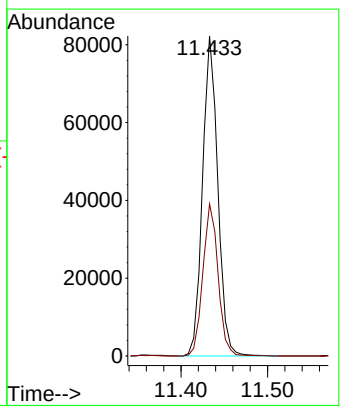


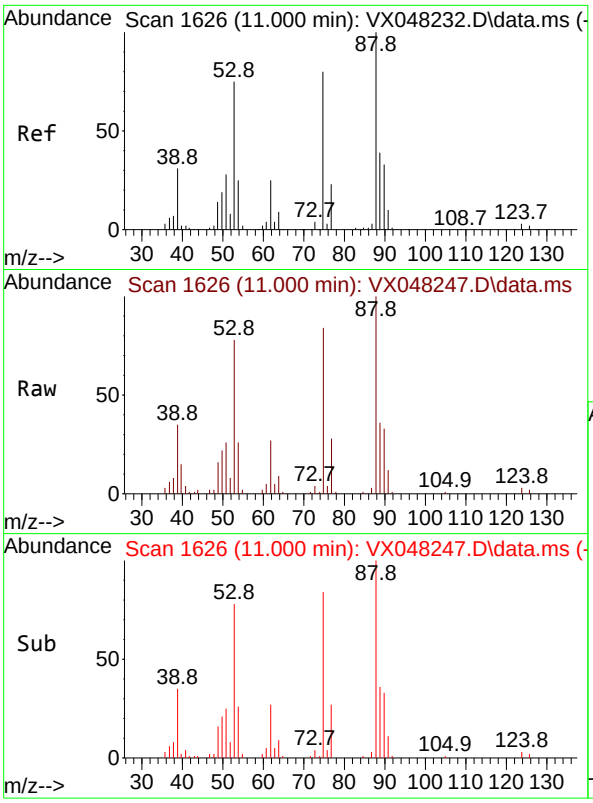




#80
1,3,5-Trimethylbenzene
Concen: 17.922 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:105 Resp: 100372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.5 | 24.0 | 72.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 17.654 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

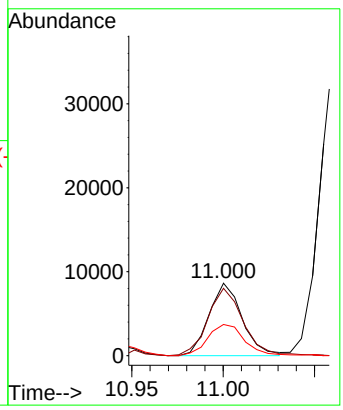
Tgt Ion: 75 Resp: 1090

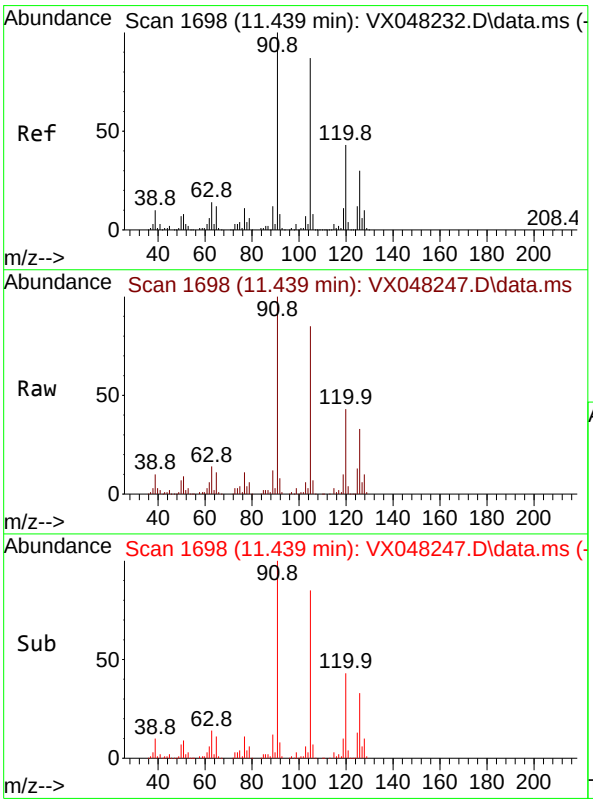
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 99.2 | 79.5 | 119.3 |
| 89 | 48.2 | 36.8 | 55.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

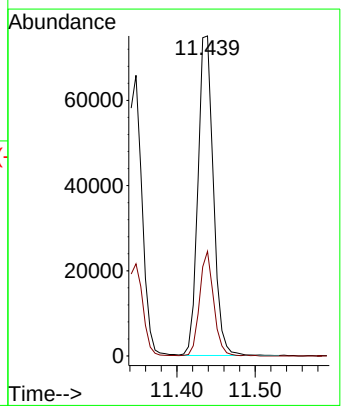


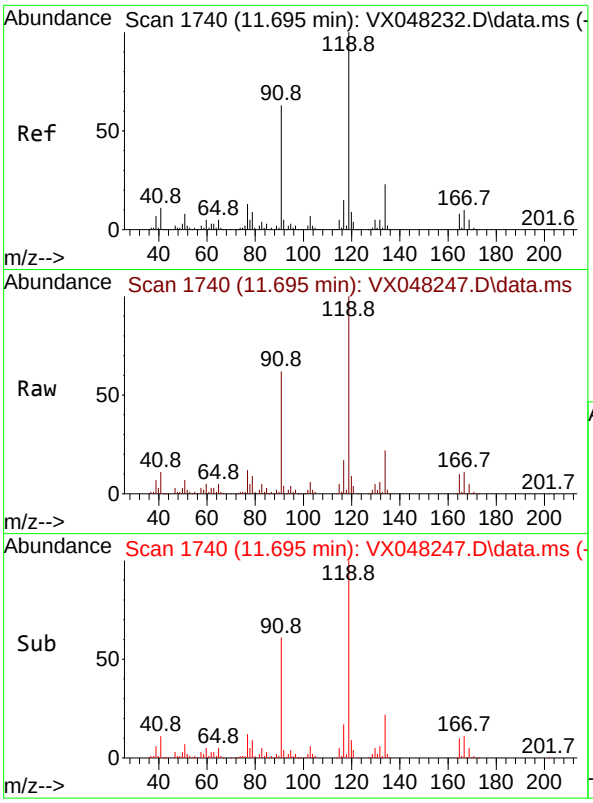




#82
4-Chlorotoluene
Concen: 18.204 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 91 Resp: 102658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.7 | 14.1 | 42.4 |

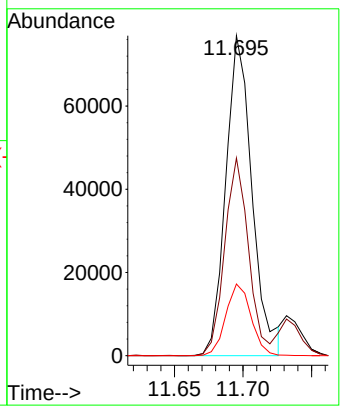





#83
tert-Butylbenzene
Concen: 17.807 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:119 Resp: 10246

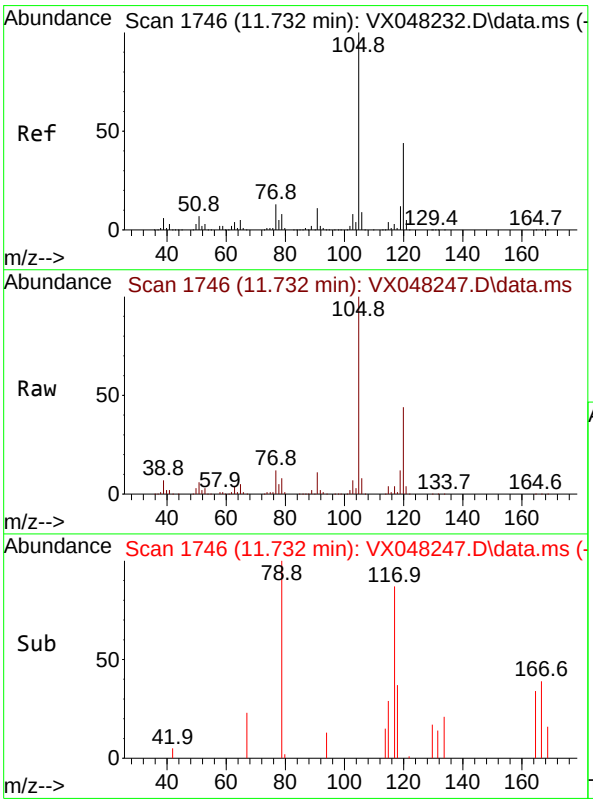
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 56.3 | 30.3 | 91.0 |
| 134 | 21.6 | 11.4 | 34.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations APPROVED**

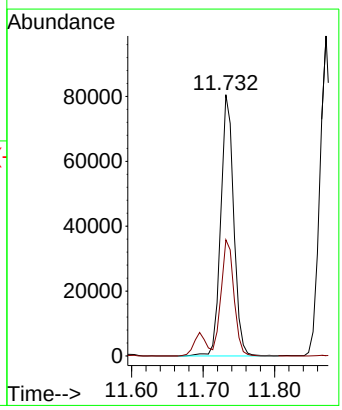
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

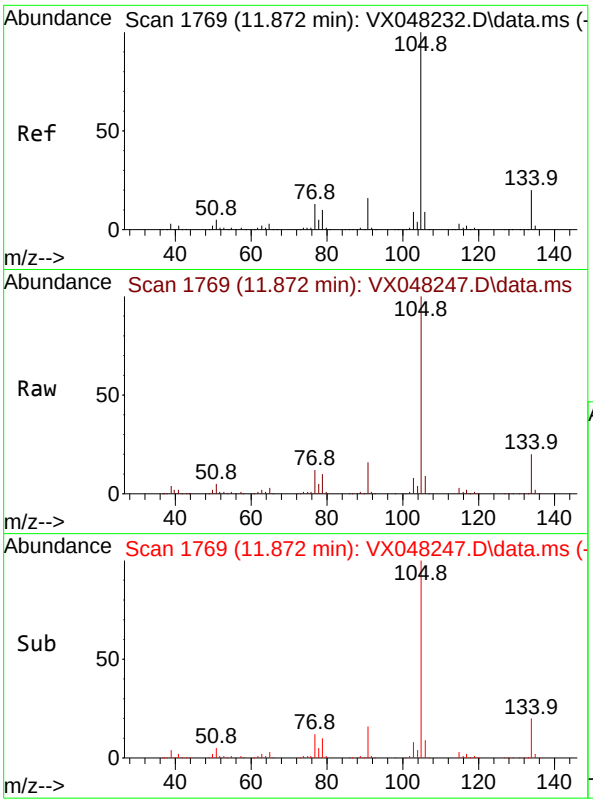



#84
1,2,4-Trimethylbenzene
Concen: 18.149 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:105 Resp: 101437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.9 | 22.1 | 66.5 |

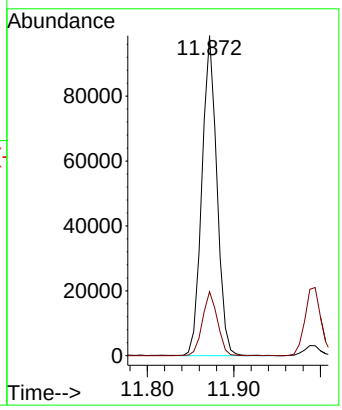





#85
sec-Butylbenzene
Concen: 17.126 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:105 Resp: 11856

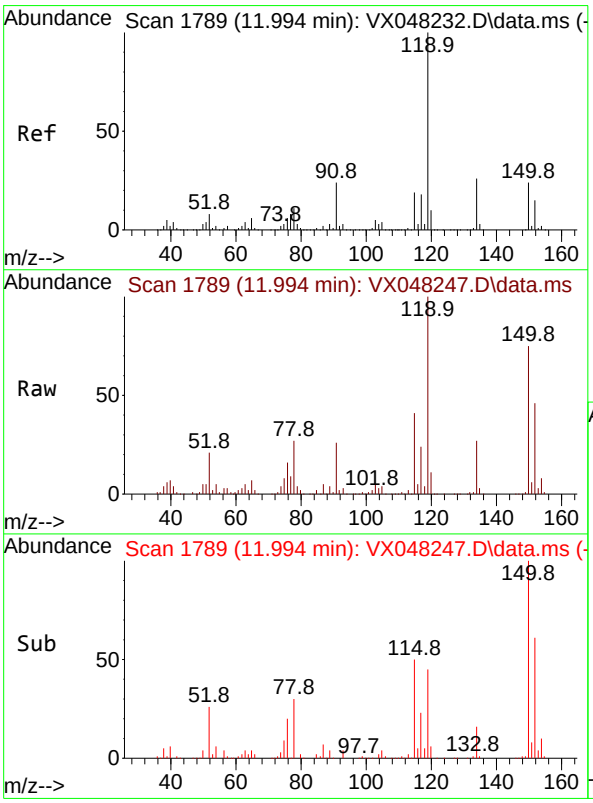
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 10.1 | 30.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

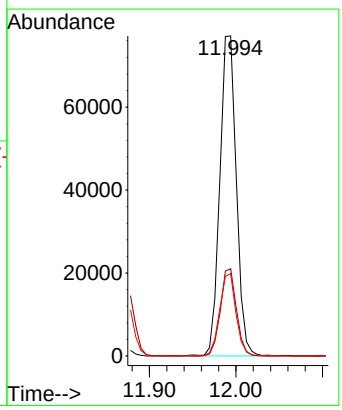
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

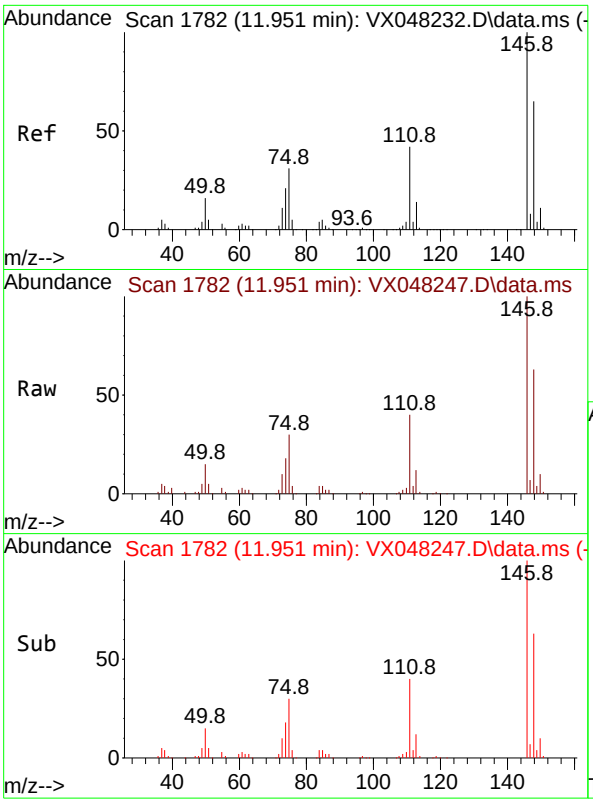



#86
p-Isopropyltoluene
Concen: 17.091 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:119 Resp: 102269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.4 | 13.0 | 39.0 |
| 91 | 25.4 | 12.1 | 36.3 |

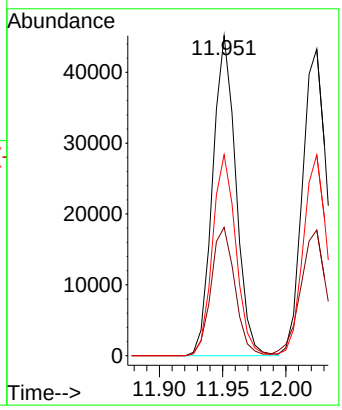





#87
1,3-Dichlorobenzene
Concen: 18.001 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:146 Resp: 5758

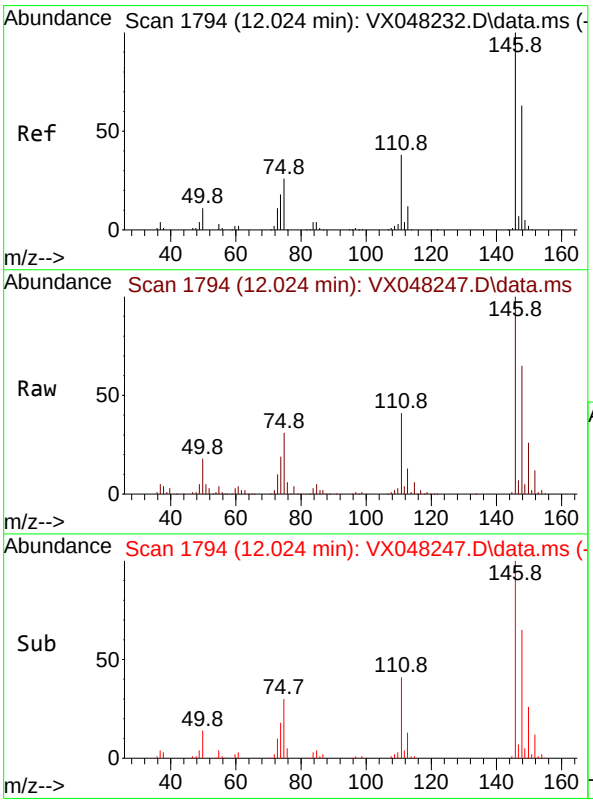
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 20.4 | 61.2 |
| 148 | 63.2 | 31.9 | 95.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

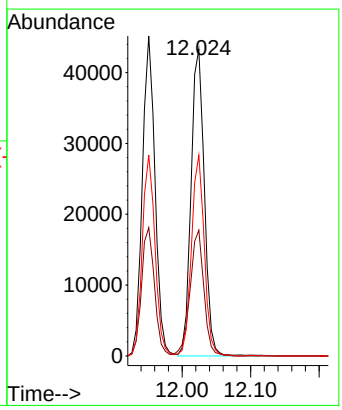
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

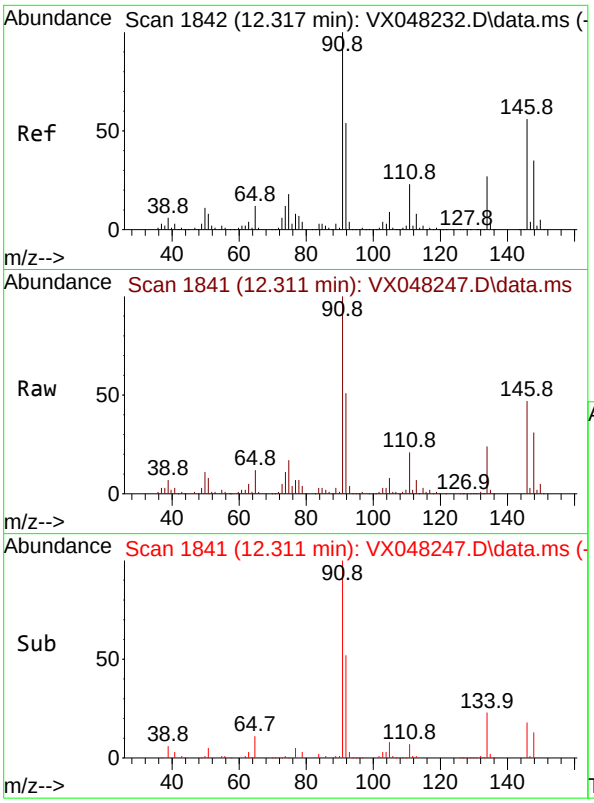



#88
1,4-Dichlorobenzene
Concen: 17.690 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:146 Resp: 58623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 20.1 | 60.2 |
| 148 | 63.1 | 31.8 | 95.3 |

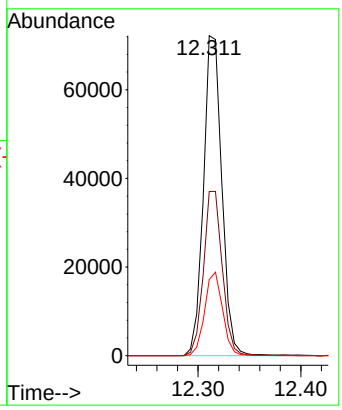





#89
n-Butylbenzene
Concen: 16.501 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 91 Resp: 8987

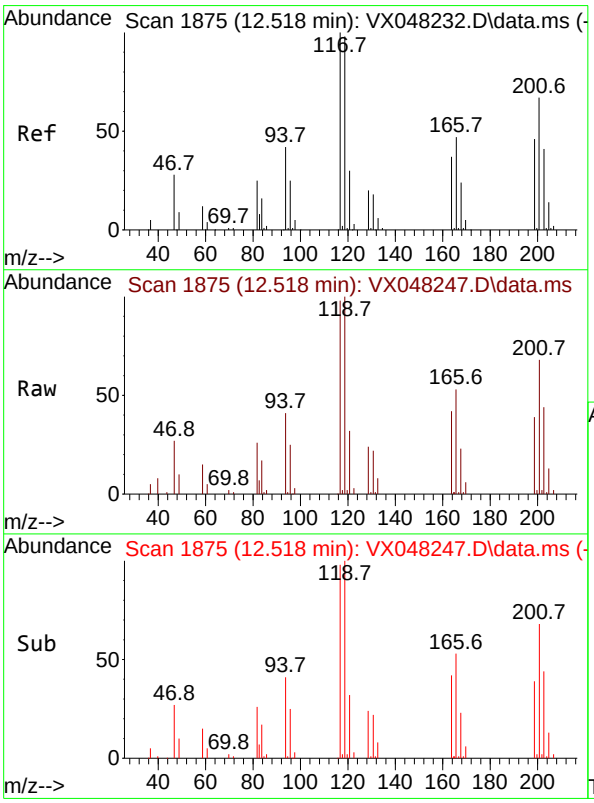
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.6 | 26.9 | 80.6 |
| 134 | 25.5 | 12.7 | 38.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

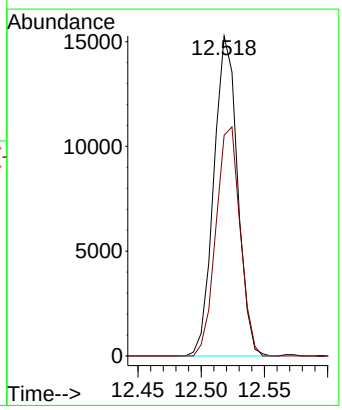
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

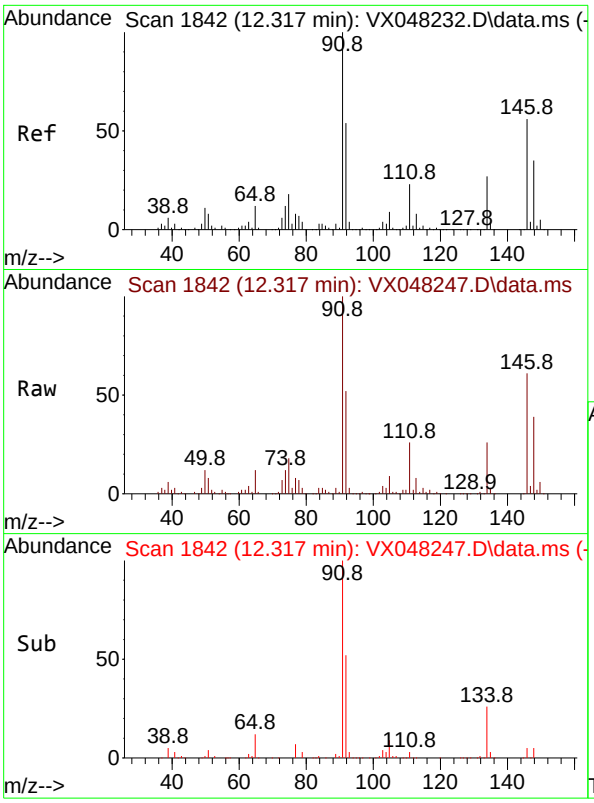



#90
Hexachloroethane
Concen: 16.842 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:117 Resp: 19902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 73.0 | 34.1 | 102.2 |

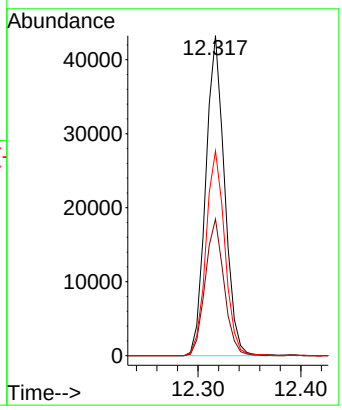





#91
1,2-Dichlorobenzene
Concen: 18.286 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:146 Resp: 5492

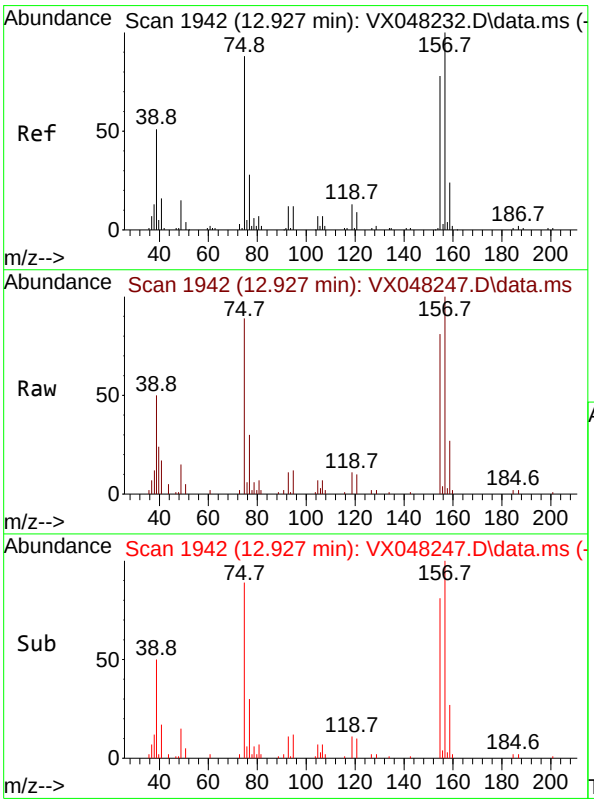
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 21.9 | 65.5 |
| 148 | 64.1 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations APPROVED**

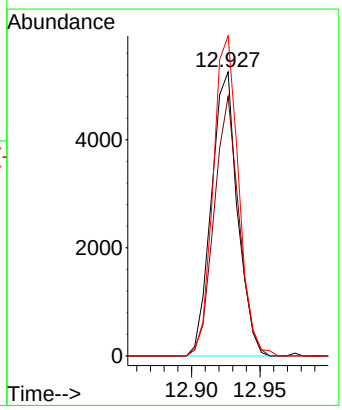
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

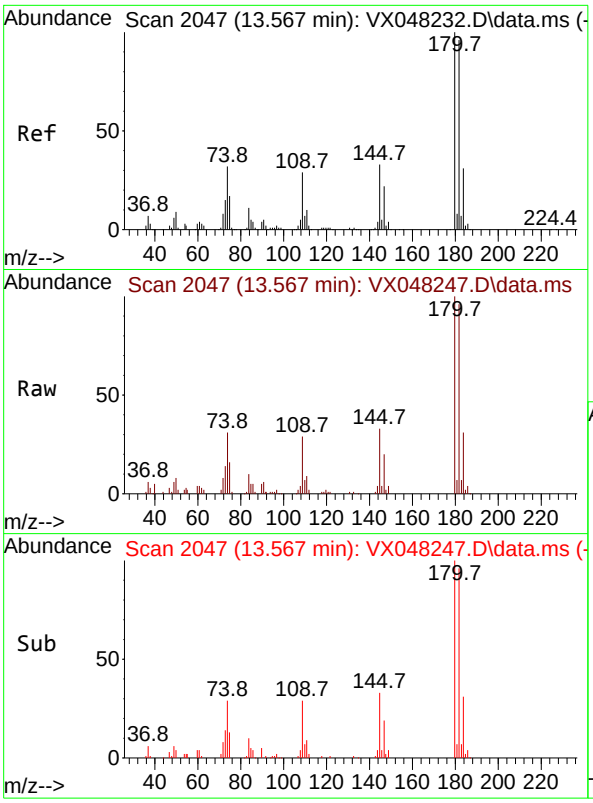



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.508 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 75 Resp: 6943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 87.2 | 42.8 | 128.4 |
| 157 | 110.1 | 54.2 | 162.6 |

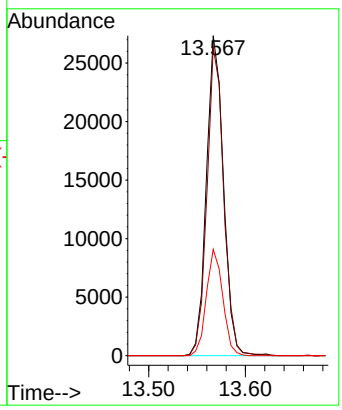





#93
1,2,4-Trichlorobenzene
Concen: 16.510 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:180 Resp: 3353

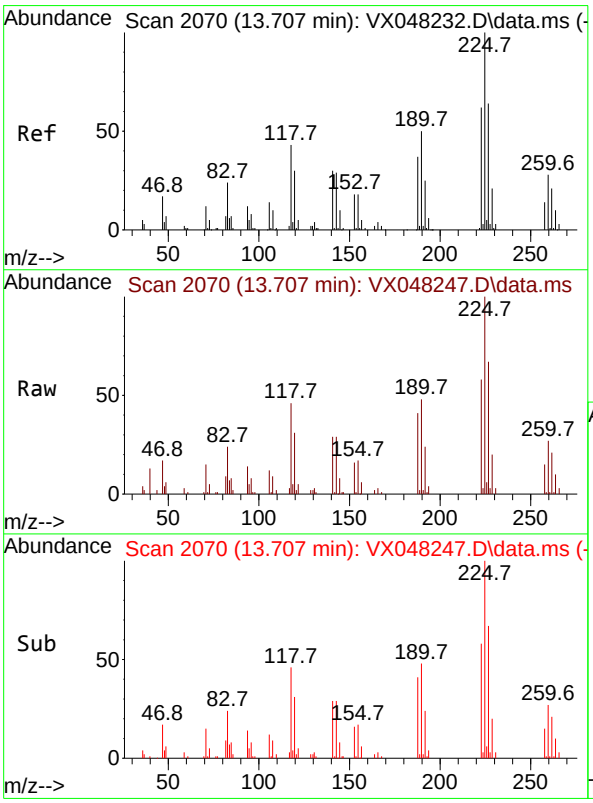
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 47.3 | 142.0 |
| 145 | 32.0 | 16.3 | 48.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations APPROVED**

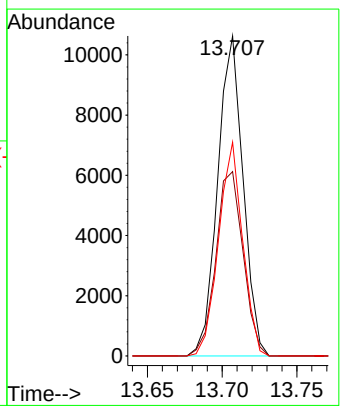
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

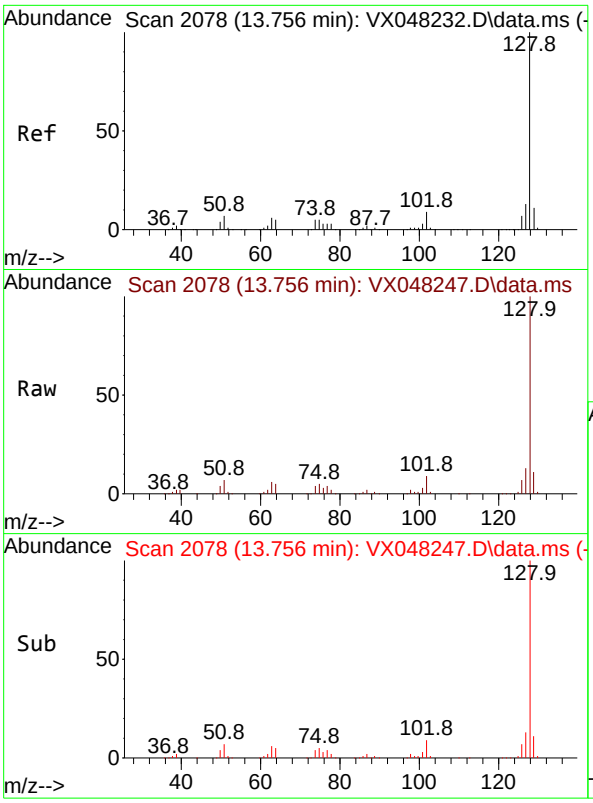



#94
Hexachlorobutadiene
Concen: 16.531 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:225 Resp: 12548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.9 | 32.6 | 97.7 |
| 227 | 63.3 | 32.5 | 97.4 |

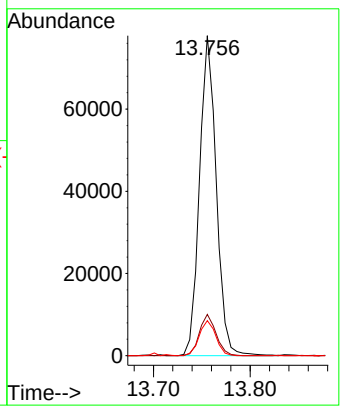





#95
Naphthalene
Concen: 17.469 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:128 Resp: 9400

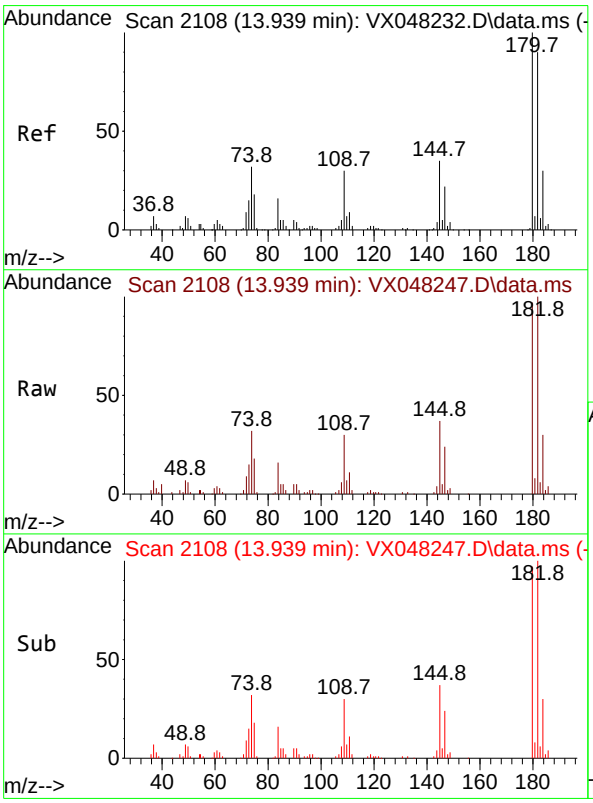
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.2 | 15.4 |
| 129 | 10.9 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

**Manual Integrations**
**APPROVED**

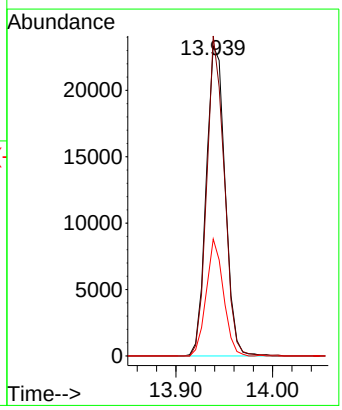
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 16.990 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:180 Resp: 31666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 46.6 | 139.7 |
| 145 | 34.4 | 16.9 | 50.7 |



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# Manual Integration Report

| Sequence: | VX102025 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC001 | VX048229.D | 1,2,3-Trichloropropane | JOHN | 10/21/2025 8:03:22 AM | sam | 10/21/2025 10:41:22 AM | Peak Integrated by Software |
| VSTDICC001 | VX048229.D | 1,4-Dichlorobenzene | JOHN | 10/21/2025 8:03:22 AM | sam | 10/21/2025 10:41:22 AM | Peak Integrated by Software |
| VSTDICC001 | VX048229.D | Carbon Tetrachloride | JOHN | 10/21/2025 8:03:22 AM | sam | 10/21/2025 10:41:22 AM | Peak Integrated by Software |
| VSTDICC001 | VX048229.D | Ethyl Acetate | JOHN | 10/21/2025 8:03:22 AM | sam | 10/21/2025 10:41:22 AM | Peak Integrated by Software |
| VSTDICC001 | VX048229.D | Methacrylonitrile | JOHN | 10/21/2025 8:03:22 AM | sam | 10/21/2025 10:41:22 AM | Peak Integrated by Software |
| VSTDICC020 | VX048231.D | 1,2,3-Trichloropropane | JOHN | 10/21/2025 8:03:30 AM | sam | 10/21/2025 10:41:32 AM | Peak Integrated by Software |
| VSTDICCC050 | VX048232.D | 1,2,3-Trichloropropane | JOHN | 10/21/2025 8:03:35 AM | sam | 10/21/2025 10:41:38 AM | Peak Integrated by Software |
| VSTDICC100 | VX048233.D | 1,2,3-Trichloropropane | JOHN | 10/21/2025 8:03:40 AM | sam | 10/21/2025 10:42:36 AM | Peak Integrated by Software |
| VSTDICC150 | VX048234.D | 1,2,3-Trichloropropane | JOHN | 10/21/2025 8:03:49 AM | sam | 10/21/2025 10:43:04 AM | Peak Integrated by Software |
| VSTDICC005 | VX048236.D | 1,2,3-Trichloropropane | JOHN | 10/21/2025 8:03:55 AM | sam | 10/21/2025 10:41:42 AM | Peak Integrated by Software |
| VSTDICC005 | VX048236.D | Ethyl Acetate | JOHN | 10/21/2025 8:03:55 AM | sam | 10/21/2025 10:41:42 AM | Peak Integrated by Software |
| VSTDICC005 | VX048236.D | Methacrylonitrile | JOHN | 10/21/2025 8:03:55 AM | sam | 10/21/2025 10:41:42 AM | Peak Integrated by Software |
| VSTDICV050 | VX048237.D | 1,2,3-Trichloropropane | JOHN | 10/21/2025 8:03:59 AM | sam | 10/21/2025 10:41:51 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VX102025 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VX1020WBS01 | VX048240.D | 1,2,3-Trichloropropane | JOHN | 10/21/2025 8:04:04 AM | sam | 10/21/2025 10:43:00 AM | Peak Integrated by Software |
| VX1020WBSD01 | VX048247.D | 1,2,3-Trichloropropane | JOHN | 10/21/2025 8:04:18 AM | sam | 10/21/2025 10:41:56 AM | Peak Integrated by Software |
| VSTDCCC050 | VX048250.D | 1,2,3-Trichloropropane | JOHN | 10/21/2025 8:04:26 AM | sam | 10/21/2025 10:42:06 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | Vx102125 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX048252.D | 1,2,3-Trichloropropane | JOHN | 10/24/2025 8:49:54 AM | MMDadoda | 10/24/2025 2:32:07 PM | Peak Integrated by Software |
| VX1021WBS01 | VX048255.D | 1,2,3-Trichloropropane | JOHN | 10/24/2025 8:50:00 AM | MMDadoda | 10/24/2025 2:32:10 PM | Peak Integrated by Software |
| VSTDCCC050 | VX048278.D | 1,2,3-Trichloropropane | JOHN | 10/24/2025 8:50:16 AM | MMDadoda | 10/24/2025 2:32:21 PM | Peak Integrated by Software |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX102025

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/21/2025 8:15:04 AM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 10/21/2025 10:44:02 AM | | |
| SubDirectory | VX102025 | HP Acquire Method | | HP Processing Method | 82X102025W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135849 |
| Initial Calibration Stds | VP135851,VP135852,VP135853,VP135854,VP135855,VP135856 |
| CCC | VP135850 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX048226.D | 20 Oct 2025 08:15 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX048227.D | 20 Oct 2025 10:13 | JC/MD | Ok |
| 3 | IBLK | VX048228.D | 20 Oct 2025 10:38 | JC/MD | Not Ok |
| 4 | VSTDICC001 | VX048229.D | 20 Oct 2025 10:59 | JC/MD | Ok,M |
| 5 | VSTDICC005 | VX048230.D | 20 Oct 2025 11:20 | JC/MD | Not Ok |
| 6 | VSTDICC020 | VX048231.D | 20 Oct 2025 11:40 | JC/MD | Ok,M |
| 7 | VSTDICCC050 | VX048232.D | 20 Oct 2025 12:01 | JC/MD | Ok,M |
| 8 | VSTDICC100 | VX048233.D | 20 Oct 2025 12:22 | JC/MD | Ok,M |
| 9 | VSTDICC150 | VX048234.D | 20 Oct 2025 12:43 | JC/MD | Ok,M |
| 10 | IBLK | VX048235.D | 20 Oct 2025 13:04 | JC/MD | Ok |
| 11 | VSTDICC005 | VX048236.D | 20 Oct 2025 13:49 | JC/MD | Ok,M |
| 12 | VSTDICV050 | VX048237.D | 20 Oct 2025 14:28 | JC/MD | Ok,M |
| 13 | VX1020MBL01 | VX048238.D | 20 Oct 2025 14:56 | JC/MD | Ok |
| 14 | VX1020WBL01 | VX048239.D | 20 Oct 2025 15:23 | JC/MD | Ok |
| 15 | VX1020WBS01 | VX048240.D | 20 Oct 2025 15:50 | JC/MD | Ok,M |
| 16 | Q3371-03 | VX048241.D | 20 Oct 2025 16:18 | JC/MD | ReRun |
| 17 | Q3371-06 | VX048242.D | 20 Oct 2025 16:38 | JC/MD | ReRun |
| 18 | Q3371-01 | VX048243.D | 20 Oct 2025 16:59 | JC/MD | ReRun |
| 19 | Q3371-02 | VX048244.D | 20 Oct 2025 17:20 | JC/MD | ReRun |
| 20 | Q3371-04 | VX048245.D | 20 Oct 2025 17:41 | JC/MD | Ok |
| 21 | Q3371-05 | VX048246.D | 20 Oct 2025 18:02 | JC/MD | Ok |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX102025

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/21/2025 8:15:04 AM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 10/21/2025 10:44:02 AM | | |
| SubDirectory | VX102025 | HP Acquire Method | | HP Processing Method | 82X102025W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135849 |
| Initial Calibration Stds | VP135851,VP135852,VP135853,VP135854,VP135855,VP135856 |
| CCC | VP135850 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | VX1020WBSD01 | VX048247.D | 20 Oct 2025 18:22 | JC/MD | Ok,M |
| 23 | VX1020MBS01 | VX048248.D | 20 Oct 2025 18:43 | JC/MD | Ok,M |
| 24 | Q3390-01 | VX048249.D | 20 Oct 2025 19:04 | JC/MD | Ok |
| 25 | VSTDCCC050 | VX048250.D | 20 Oct 2025 19:25 | JC/MD | Ok,M |

M : Manual Integration

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX102125

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/23/2025 1:52:10 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 10/24/2025 2:32:28 PM | | |
| SubDirectory | VX102125 | HP Acquire Method | | HP Processing Method | 82X102025W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135868 |
| Initial Calibration Stds | |
| CCC | VP135869,VP135870 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX048251.D | 21 Oct 2025 08:12 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX048252.D | 21 Oct 2025 08:43 | JC/MD | Ok,M |
| 3 | VX1021MBL01 | VX048253.D | 21 Oct 2025 09:12 | JC/MD | Ok |
| 4 | VX1021WBL01 | VX048254.D | 21 Oct 2025 09:40 | JC/MD | Ok |
| 5 | VX1021WBS01 | VX048255.D | 21 Oct 2025 10:06 | JC/MD | Ok,M |
| 6 | VX1021WBSD01 | VX048256.D | 21 Oct 2025 10:33 | JC/MD | Ok,M |
| 7 | Q3371-03 | VX048257.D | 21 Oct 2025 10:54 | JC/MD | Ok |
| 8 | Q3371-01 | VX048258.D | 21 Oct 2025 11:15 | JC/MD | Ok |
| 9 | Q3371-02 | VX048259.D | 21 Oct 2025 11:35 | JC/MD | Ok |
| 10 | Q3371-06 | VX048260.D | 21 Oct 2025 11:56 | JC/MD | Ok |
| 11 | Q3413-02 | VX048261.D | 21 Oct 2025 12:17 | JC/MD | Ok |
| 12 | PB170148TB | VX048262.D | 21 Oct 2025 12:37 | JC/MD | Ok |
| 13 | Q3369-04 | VX048263.D | 21 Oct 2025 12:58 | JC/MD | Ok |
| 14 | Q3369-08 | VX048264.D | 21 Oct 2025 13:19 | JC/MD | Ok |
| 15 | Q3374-04 | VX048265.D | 21 Oct 2025 13:40 | JC/MD | Ok,M |
| 16 | Q3374-08 | VX048266.D | 21 Oct 2025 14:00 | JC/MD | Ok |
| 17 | Q3381-02 | VX048267.D | 21 Oct 2025 14:21 | JC/MD | Ok |
| 18 | Q3381-04 | VX048268.D | 21 Oct 2025 14:42 | JC/MD | Ok |
| 19 | Q3381-06 | VX048269.D | 21 Oct 2025 15:02 | JC/MD | Ok |
| 20 | Q3381-08 | VX048270.D | 21 Oct 2025 15:23 | JC/MD | Ok |
| 21 | Q3392-04 | VX048271.D | 21 Oct 2025 15:44 | JC/MD | Ok |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX102125

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/23/2025 1:52:10 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 10/24/2025 2:32:28 PM | | |
| SubDirectory | VX102125 | HP Acquire Method | | HP Processing Method | 82X102025W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135868 |
| Initial Calibration Stds | |
| CCC | VP135869,VP135870 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q3392-08 | VX048272.D | 21 Oct 2025 16:04 | JC/MD | Ok |
| 23 | IBLK | VX048273.D | 21 Oct 2025 16:25 | JC/MD | Ok |
| 24 | Q3400-01 | VX048274.D | 21 Oct 2025 16:46 | JC/MD | Ok |
| 25 | Q3361-01DL | VX048275.D | 21 Oct 2025 17:07 | JC/MD | Ok |
| 26 | IBLK | VX048276.D | 21 Oct 2025 17:27 | JC/MD | Ok |
| 27 | Q3376-07 | VX048277.D | 21 Oct 2025 17:48 | JC/MD | Ok |
| 28 | VSTDCCC050 | VX048278.D | 21 Oct 2025 18:09 | JC/MD | Ok,M |

M : Manual Integration

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX102025

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/21/2025 8:15:04 AM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 10/21/2025 10:44:02 AM | | |
| SubDirectory | VX102025 | HP Acquire Method | | HP Processing Method | 82X102025W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135849 |
| Initial Calibration Stds | VP135851,VP135852,VP135853,VP135854,VP135855,VP135856 |
| CCC | VP135850 |
| 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 | VX048226.D | 20 Oct 2025 08:15 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX048227.D | 20 Oct 2025 10:13 | | JC/MD | Ok |
| 3 | IBLK | IBLK | VX048228.D | 20 Oct 2025 10:38 | | JC/MD | Not Ok |
| 4 | VSTDICC001 | VSTDICC001 | VX048229.D | 20 Oct 2025 10:59 | LR-58,94 | JC/MD | Ok,M |
| 5 | VSTDICC005 | VSTDICC005 | VX048230.D | 20 Oct 2025 11:20 | | JC/MD | Not Ok |
| 6 | VSTDICC020 | VSTDICC020 | VX048231.D | 20 Oct 2025 11:40 | | JC/MD | Ok,M |
| 7 | VSTDICCC050 | VSTDICCC050 | VX048232.D | 20 Oct 2025 12:01 | | JC/MD | Ok,M |
| 8 | VSTDICC100 | VSTDICC100 | VX048233.D | 20 Oct 2025 12:22 | | JC/MD | Ok,M |
| 9 | VSTDICC150 | VSTDICC150 | VX048234.D | 20 Oct 2025 12:43 | | JC/MD | Ok,M |
| 10 | IBLK | IBLK | VX048235.D | 20 Oct 2025 13:04 | | JC/MD | Ok |
| 11 | VSTDICC005 | VSTDICC005 | VX048236.D | 20 Oct 2025 13:49 | | JC/MD | Ok,M |
| 12 | VSTDICV050 | ICVVX102025 | VX048237.D | 20 Oct 2025 14:28 | pH#Lot#V12668 | JC/MD | Ok,M |
| 13 | VX1020MBL01 | VX1020MBL01 | VX048238.D | 20 Oct 2025 14:56 | | JC/MD | Ok |
| 14 | VX1020WBL01 | VX1020WBL01 | VX048239.D | 20 Oct 2025 15:23 | | JC/MD | Ok |
| 15 | VX1020WBS01 | VX1020WBS01 | VX048240.D | 20 Oct 2025 15:50 | | JC/MD | Ok,M |
| 16 | Q3371-03 | VPB184-HYD-2025101 | VX048241.D | 20 Oct 2025 16:18 | vial A pH<2 Surrogate Fail | JC/MD | ReRun |
| 17 | Q3371-06 | VPB184-HYD-2025101 | VX048242.D | 20 Oct 2025 16:38 | vial A pH<2 Surrogate Fail | JC/MD | ReRun |
| 18 | Q3371-01 | BP-VPB-184-TB-20251 | VX048243.D | 20 Oct 2025 16:59 | vial A pH<2 TB; Surrogate Fail | JC/MD | ReRun |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX102025

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/21/2025 8:15:04 AM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 10/21/2025 10:44:02 AM | | |
| SubDirectory | VX102025 | HP Acquire Method | | HP Processing Method | 82X102025W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135849 |
| Initial Calibration Stds | VP135851,VP135852,VP135853,VP135854,VP135855,VP135856 |
| CCC | VP135850 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q3371-02 | BP-VPB-184-EB-20251 | VX048244.D | 20 Oct 2025 17:20 | vial A pH<2 EB; Surrogate Fail; Hit of com.#16 | JC/MD | ReRun |
| 20 | Q3371-04 | BP-VPB-184-GW-915-9 | VX048245.D | 20 Oct 2025 17:41 | vial A pH<2 | JC/MD | Ok |
| 21 | Q3371-05 | BP-VPB-184-GW-920-9 | VX048246.D | 20 Oct 2025 18:02 | vial A pH<2 | JC/MD | Ok |
| 22 | VX1020WBSD01 | VX1020WBSD01 | VX048247.D | 20 Oct 2025 18:22 | | JC/MD | Ok,M |
| 23 | VX1020MBS01 | VX1020MBS01 | VX048248.D | 20 Oct 2025 18:43 | | JC/MD | Ok,M |
| 24 | Q3390-01 | 4174 | VX048249.D | 20 Oct 2025 19:04 | cloth material | JC/MD | Ok |
| 25 | VSTDCCC050 | VSTDCCC050EC | VX048250.D | 20 Oct 2025 19:25 | | 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 # VX102125

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/23/2025 1:52:10 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 10/24/2025 2:32:28 PM | | |
| SubDirectory | VX102125 | HP Acquire Method | | HP Processing Method | 82X102025W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135868 |
| Initial Calibration Stds | |
| CCC | VP135869,VP135870 |
| 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 | VX048251.D | 21 Oct 2025 08:12 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX048252.D | 21 Oct 2025 08:43 | pH#Lot#V12668 | JC/MD | Ok,M |
| 3 | VX1021MBL01 | VX1021MBL01 | VX048253.D | 21 Oct 2025 09:12 | | JC/MD | Ok |
| 4 | VX1021WBL01 | VX1021WBL01 | VX048254.D | 21 Oct 2025 09:40 | | JC/MD | Ok |
| 5 | VX1021WBS01 | VX1021WBS01 | VX048255.D | 21 Oct 2025 10:06 | | JC/MD | Ok,M |
| 6 | VX1021WBSD01 | VX1021WBSD01 | VX048256.D | 21 Oct 2025 10:33 | | JC/MD | Ok,M |
| 7 | Q3371-03 | VPB184-HYD-2025101 | VX048257.D | 21 Oct 2025 10:54 | vial B pH<2 | JC/MD | Ok |
| 8 | Q3371-01 | BP-VPB-184-TB-20251 | VX048258.D | 21 Oct 2025 11:15 | vial B pH<2 TB | JC/MD | Ok |
| 9 | Q3371-02 | BP-VPB-184-EB-20251 | VX048259.D | 21 Oct 2025 11:35 | vial B pH<2 EB | JC/MD | Ok |
| 10 | Q3371-06 | VPB184-HYD-2025101 | VX048260.D | 21 Oct 2025 11:56 | vial B pH<2 | JC/MD | Ok |
| 11 | Q3413-02 | BP-VPB-184-TB-20251 | VX048261.D | 21 Oct 2025 12:17 | vial A pH<2 TB | JC/MD | Ok |
| 12 | PB170148TB | PB170148TB | VX048262.D | 21 Oct 2025 12:37 | | JC/MD | Ok |
| 13 | Q3369-04 | MH-22 | VX048263.D | 21 Oct 2025 12:58 | vial A pH#5.0 | JC/MD | Ok |
| 14 | Q3369-08 | MH-21 | VX048264.D | 21 Oct 2025 13:19 | vial A pH#5.0 | JC/MD | Ok |
| 15 | Q3374-04 | TP-4-WC | VX048265.D | 21 Oct 2025 13:40 | vial A pH#5.0 | JC/MD | Ok,M |
| 16 | Q3374-08 | TP-5-WC | VX048266.D | 21 Oct 2025 14:00 | vial A pH#5.0 | JC/MD | Ok |
| 17 | Q3381-02 | VNJ-222 | VX048267.D | 21 Oct 2025 14:21 | vial A pH#5.0 | JC/MD | Ok |
| 18 | Q3381-04 | VNJ-245 | VX048268.D | 21 Oct 2025 14:42 | vial A pH#5.0 | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX102125

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/23/2025 1:52:10 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 10/24/2025 2:32:28 PM | | |
| SubDirectory | VX102125 | HP Acquire Method | | HP Processing Method | 82X102025W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135868 |
| Initial Calibration Stds | |
| CCC | VP135869,VP135870 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q3381-06 | RBR200059 | VX048269.D | 21 Oct 2025 15:02 | vial A pH#5.0 | JC/MD | Ok |
| 20 | Q3381-08 | VNJ-255 | VX048270.D | 21 Oct 2025 15:23 | vial A pH#5.0 | JC/MD | Ok |
| 21 | Q3392-04 | MH-20 | VX048271.D | 21 Oct 2025 15:44 | vial A pH#5.0 | JC/MD | Ok |
| 22 | Q3392-08 | MH-19 | VX048272.D | 21 Oct 2025 16:04 | vial A pH#5.0 | JC/MD | Ok |
| 23 | IBLK | IBLK | VX048273.D | 21 Oct 2025 16:25 | | JC/MD | Ok |
| 24 | Q3400-01 | FRAC-TANK-0760450 | VX048274.D | 21 Oct 2025 16:46 | vial A+B pH<2 | JC/MD | Ok |
| 25 | Q3361-01DL | VOA 251015111-01DL | VX048275.D | 21 Oct 2025 17:07 | vial B pH#6.0 | JC/MD | Ok |
| 26 | IBLK | IBLK | VX048276.D | 21 Oct 2025 17:27 | | JC/MD | Ok |
| 27 | Q3376-07 | PR132-FB01-20251016 | VX048277.D | 21 Oct 2025 17:48 | vial A pH<2 | JC/MD | Ok |
| 28 | VSTDCCC050 | VSTDCCC050EC | VX048278.D | 21 Oct 2025 18:09 | | JC/MD | Ok,M |

M : Manual Integration

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# Prep Standard - Chemical Standard Summary

**Order ID :** Q3371

**Test :** VOC-TCLVOA-10

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** VX102025,Vx102125,

**Standard ID :**
VP134142,VP134145,VP134149,VP134151,VP134933,VP134935,VP134956,VP134957,VP135552,VP135554,VP135834,VP135836,VP135849,VP135850,VP135851,VP135852,VP135853,VP135854,VP135855,VP135856,VP135868,VP135869,VP135870,

**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,V15073,V15074,V15075,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 |
|---|---|---|---|---|---|---|---|---|
| 253 | 8260 Working STD (BCM)-First source, 20PPM | VP134145 | 06/06/2025 | 12/06/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 06/10/2025 |

**FROM** 0.50000ml of V14675 + 49.50000ml 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 |
|---|---|---|---|---|---|---|---|---|
| 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

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1812 | 8260 Working Std(2-CVE)-100ppm | VP134151 | 06/06/2025 | 12/06/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 06/10/2025 |

**FROM** 0.25000ml of V14639 + 24.75000ml of V14929 = 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 |
|---|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|---|
| 1738 | 8260 surrogate 20 ppm | VP134935 | 07/29/2025 | 01/29/2026 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 08/06/2025 |

**FROM** 0.02000ml of V14906 + 24.99000ml 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 |
|---|---|---|---|---|---|---|---|---|
| 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

| 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

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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 |
|---|---|---|---|---|---|---|---|---|
| 245 | 8260 Calibration Working STD Mix-First source, 20PPM | VP135554 | 09/22/2025 | 11/03/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 09/26/2025 |

**FROM** 17.50000ml of V14928 + 2.50000ml of VP135552 = Final Quantity: 20.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 51 | 8260 Working STD (Acrolein) -first source, 800PPM | VP135834 | 10/17/2025 | 11/16/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/17/2025 |

**FROM** 1.00000ml of V15073 + 1.50000ml of V15074 + 1.50000ml of V15075 + 21.00000ml of V14928 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 180 | 8260 Working STD (Acrolein)-First source, 100PPM | VP135836 | 10/17/2025 | 11/16/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/17/2025 |

**FROM** 17.50000ml of V14928 + 2.50000ml of VP135834 = Final Quantity: 20.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP135849 | 10/20/2025 | 10/21/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/21/2025 |

**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 | VP135850 | 10/20/2025 | 10/21/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/21/2025 |

**FROM** 39.94000ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135552 + 0.01250ml of VP135834 = 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 |
|---|---|---|---|---|---|---|---|---|
| 334 | 1 PPB ICC, 8260-Water | VP135851 | 10/20/2025 | 10/21/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/21/2025 |

**FROM** 39.98200ml of W3112 + 0.00200ml of VP134145 + 0.00200ml of VP134151 + 0.00200ml of VP134935 + 0.00200ml of VP135554 + 0.00200ml of VP135836 + 0.00800ml of VP134956 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 335 | 5 PPB ICC, 8260-Water | VP135852 | 10/20/2025 | 10/21/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/21/2025 |

**FROM** 39.94200ml of W3112 + 0.00800ml of VP134956 + 0.01000ml of VP134145 + 0.01000ml of VP134151 + 0.01000ml of VP134935 + 0.01000ml of VP135554 + 0.01000ml of VP135836 = 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 |
|---|---|---|---|---|---|---|---|---|
| 337 | 20 PPB ICC, 8260-Water | VP135853 | 10/20/2025 | 10/21/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/21/2025 |

**FROM** 39.97000ml of W3112 + 0.00200ml of VP134142 + 0.00200ml of VP134933 + 0.00500ml of VP134149 + 0.00500ml of VP135552 + 0.00500ml of VP135834 + 0.00800ml of VP134956 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 380 | 50 PPB ICC, 8260-Water | VP135854 | 10/20/2025 | 10/21/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/21/2025 |

**FROM** 39.94000ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135552 + 0.01250ml of VP135834 = 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 |
|---|---|---|---|---|---|---|---|---|
| 381 | 100 PPB ICC, 8260-Water | VP135855 | 10/20/2025 | 10/21/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/21/2025 |

**FROM** 39.89700ml of W3112 + 0.00800ml of VP134956 + 0.01000ml of VP134142 + 0.01000ml of VP134933 + 0.02500ml of VP134149 + 0.02500ml of VP135552 + 0.02500ml of VP135834 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 382 | 150 PPB ICC, 8260-Water | VP135856 | 10/20/2025 | 10/21/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/21/2025 |

**FROM** 39.84950ml of W3112 + 0.00800ml of VP134956 + 0.01500ml of VP134142 + 0.01500ml of VP134933 + 0.03750ml of VP134149 + 0.03750ml of VP135552 + 0.03750ml of VP135834 = 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 | VP135868 | 10/21/2025 | 10/22/2025 | John Carlone | None | None | Mahesh Dadoda 10/21/2025 |

**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 | VP135869 | 10/21/2025 | 10/22/2025 | John Carlone | None | None | Mahesh Dadoda 10/21/2025 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135552 + 0.01250ml of VP135834 = 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 | VP135870 | 10/21/2025 | 10/22/2025 | John Carlone | None | None | Mahesh Dadoda 10/21/2025 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135552 + 0.01250ml of VP135834 = 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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# 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) | 101625 | 11/16/2025 | 10/17/2025 / sam | 10/17/2025 / sam | V15073 |

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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) | 101625 | 11/16/2025 | 10/17/2025 / sam | 10/17/2025 / sam | V15074 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 101625 | 11/16/2025 | 10/17/2025 / sam | 10/17/2025 / sam | V15075 |

| 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
Revision No.: 0

# Certificate of Analysis

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| Assay ($CH_3OH$) (by GC, corrected for water) | ≥ 99.9 % | 100.0 % |
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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

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

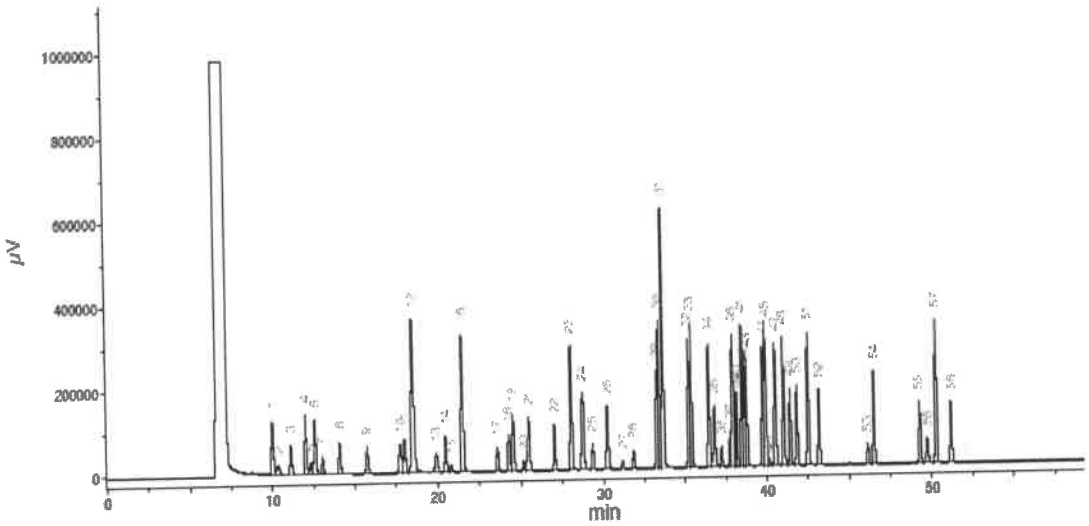
| | Compound | (RM#) Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Initial Conc.(ug/mL) | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Uncertainty Pipette (mL) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | Acetonitrile | (0324) | 021644 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20020 | 2001.3 | 8.1 | 75-05-8 | 40 ppm (70mg/m3/8H) | orl-rat 2460mg/kg |
| 2. | Allyl chloride (3-Chloropropene) | (0325) | 102396 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 107-05-1 | 1 ppm (3mg/m3/8H) | orl-rat 700mg/kg |
| 3. | Carbon disulphide | (0060) | MKCR8561 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20023 | 2001.6 | 8.1 | 75-15-0 | 4 ppm (12mg/m3) (skin) | orl-rat 1200mg/kg |
| 4. | cis-1,4-Dichloro-2-butene | (1196) | 14718EF | NA | NA | NA | 2000 | 95 | 0.2 | NA | 0.21058 | 0.21069 | 2001.1 | 8.5 | 1476-11-5 | N/A | N/A |
| 5. | trans-1,4-Dichloro-2-butene | (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) | MKBW5137V | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20041 | 2001.6 | 8.1 | 80-62-6 | 100 ppm (410mg/m3/8H) | orl-rat 7872mg/kg |
| 13. | Nitrobenzene | (0228) | 01213TV | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20220 | 2001.3 | 8.2 | 98-95-3 | 1 ppm (5mg/m3/8H)(skin) | orl-rat 780mg/kg |
| 14. | 2-Nitropropane | (0461) | 14002JX | NA | NA | NA | 2000 | 97.3 | 0.2 | NA | 0.20560 | 0.20577 | 2001.6 | 8.3 | 79-46-9 | 10 ppm (35mg/m3/8H) | orl-rat 720mg/kg |
| 15. | Pentachloroethane | (0450) | HGA01 | NA | NA | NA | 2000 | 98 | 0.2 | NA | 0.20413 | 0.20430 | 2001.6 | 8.3 | 76-01-7 | N/A | N/A |
| 16. | 1,1,2-Trichlorotrifluoroethane | (0474) | 18930 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20225 | 2001.8 | 8.2 | 76-13-1 | 1000 ppm (7600mg/m3/8H) | orl-rat 43g/kg |
| 17. | Bromodichloromethane | 35171 | 101623 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-27-4 | N/A | orl-rat 916mg/kg |
| 18. | Dibromochloromethane | 35171 | 101623 | 0.05 | 5.00 | 40002.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 124-48-1 | N/A | orl-rat 848mg/kg |
| 19. | cis-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 156-59-2 | N/A | N/A |
| 20. | trans-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 156-60-5 | N/A | orl-rat 1235mg/kg |
| 21. | Methylene chloride | 35171 | 101623 | 0.05 | 5.00 | 40002.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-09-2 | 500 ppm | orl-rat 820mg/kg |
| 22. | 1,1-Dichloroethene | 32251 | 102023 | 0.10 | 10.00 | 20001.6 | 2000 | NA | NA | 0.042 | NA | NA | 1999.7 | 20.4 | 75-35-4 | 1 ppm (4mg/m3/8H) | orl-rat 200mg/kg |
| 23. | Bromoform | 95321 | 020724 | 0.10 | 10.00 | 20003.2 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-25-2 | 0.5 ppm (5mg/m3) (skin) | orl-rat 933mg/kg |
| 24. | Carbon tetrachloride | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 56-23-5 | 2 ppm (12.6mg/m3/8H) | orl-rat 2350mg/kg |
| 25. | Chloroform | 95321 | 020724 | 0.10 | 10.00 | 20024.0 | 2000 | NA | NA | 0.042 | NA | NA | 2001.9 | 20.5 | 67-66-3 | 50 ppm (240mg/m3) (CL) | orl-rat 908mg/kg |
| 26. | Dibromomethane | 95321 | 020724 | 0.10 | 10.00 | 20002.9 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 74-95-3 | N/A | orl-rat 108mg/kg |
| 27. | 1,1-Dichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-34-3 | 100 ppm | orl-rat 725mg/kg |
| 28. | 2,2-Dichloropropane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 594-20-7 | N/A | N/A |
| 29. | Tetrachloroethene | 95321 | 020724 | 0.10 | 10.00 | 20201.1 | 2000 | NA | NA | 0.042 | NA | NA | 2019.6 | 20.6 | 127-18-4 | 25 ppm (170mg/m3/8H)(final) | orl-rat 2629mg/kg |
| 30. | 1,1,1-Trichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.0 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 71-55-6 | 350 ppm (1900mg/m3/8H) | orl-rat 10300mg/kg |
| 31. | 1,2-Dibromo-3-chloropropane | 35161 | 112322 | 0.05 | 5.00 | 40016.5 | 2000 | NA | NA | 0.017 | NA | NA | 2000.3 | 22.9 | 96-12-8 | 0.001 ppm | orl-rat 170mg/kg |
| 32. | 1,2-Dibromoethane | 35161 | 112322 | 0.05 | 5.00 | 40024.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.7 | 22.9 | 106-93-4 | 20 ppm (8H) | orl-rat 108mg/kg |
| 33. | 1,2-Dichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40018.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 22.9 | 107-06-2 | 50 ppm (8H) | orl-rat 670mg/kg |
| 34. | 1,2-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40051.0 | 2000 | NA | NA | 0.017 | NA | NA | 2002.0 | 22.9 | 78-87-5 | 75 ppm (350mg/m3/8H) | orl-rat 1947mg/kg |
| 35. | 1,3-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40005.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 142-28-9 | N/A | unr-mus 3600mg/kg |
| 36. | 1,1-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40012.1 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 29.7 | 563-58-6 | N/A | N/A |
| 37. | cis-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40010.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.0 | 23.0 | 10061-01-5 | N/A | N/A |
| 38. | trans-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40017.6 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 23.0 | 10061-02-6 | N/A | N/A |
| 39. | Hexachloro-1,3-butadiene | 35161 | 112322 | 0.05 | 5.00 | 40021.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.6 | 29.7 | 87-68-3 | 0.02 ppm (0.24mg/m3/8H) | orl-rat 82mg/kg |
| 40. | 1,1,1,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40011.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 22.9 | 630-20-6 | N/A | orl-rat 670mg/kg |
| 41. | 1,1,2,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 79-34-5 | 5 ppm (35mg/m3/8H)(skin) | orl-rat 800mg/kg |
| 42. | 1,1,2-Trichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40006.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 23.0 | 79-00-5 | 10 ppm (45mg/m3/8H)(skin) | orl-rat 836mg/kg |
| 43. | Trichloroethene | 35161 | 112322 | 0.05 | 5.00 | 40029.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.9 | 22.9 | 79-01-6 | 50 ppm (270mg/m3/8H) | orl-mus 2402mg/kg |
| 44. | 1,2,3-Trichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 96-18-4 | 10 ppm (60mg/m3/8H) | orl-rat 149.6mg/kg |
| 45. | Benzene | 35162 | 050823 | 0.05 | 5.00 | 40005.0 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 71-43-2 | 1 ppm | orl-rat 4894mg/kg |
| 46. | Bromobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-86-1 | N/A | orl-rat 2699mg/kg |
| 47. | n-Butyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 104-51-8 | N/A | N/A |
| 48. | Ethyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-41-4 | 100 ppm (435mg/m3/8H) | orl-rat >2000mg/kg |
| 49. | p-Isopropyl toluene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 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 | 19.46 |
| 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 | Tetrachloroethene/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 | 41.12 |
| 50 | 1,4-Dichlorobenzene | 41.33 |
| 51 | n-Butylbenzene | 42.32 |
| 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 | 50.26 |
| 58 | 1,2,3-Trichlorobenzene | 51.16 |

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. Hamden CT, 06514 | Emergency Telephone International | **1-352-323-3500** |
| | | Date Prepared/Revised | January 1, 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)) | | | |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | % (optional) > 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. |
| Storage Conditions | Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. 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

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

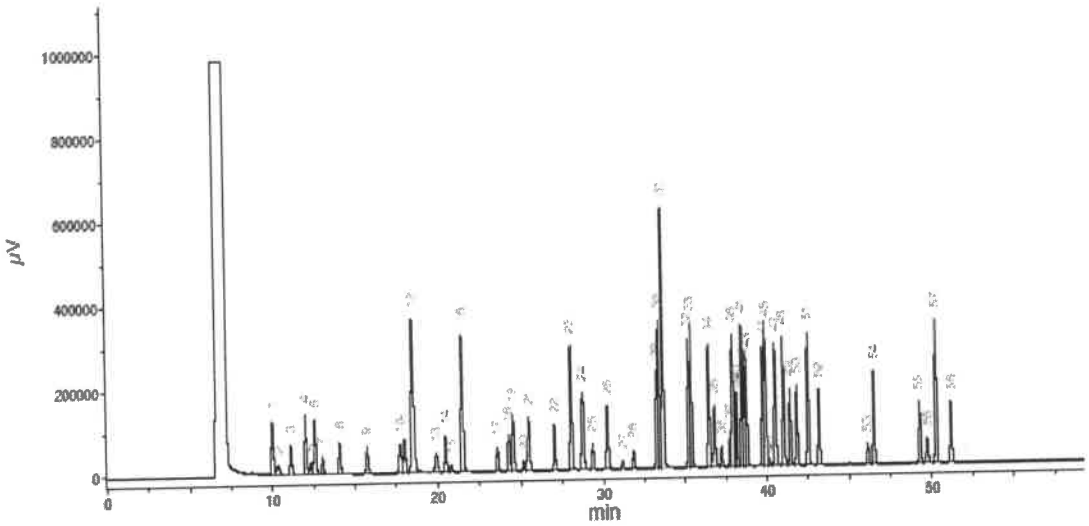
| Compound | (RM#) Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Initial Conc.(ug/mL) | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Uncertainty Pipette (mL) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acetonitrile | (0324) | 021644 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20020 | 2001.3 | 8.1 | 75-05-8 | 40 ppm (70mg/m3/8H) | orl-rat 2460mg/kg |
| 2. Allyl chloride (3-Chloropropene) | (0325) | 102396 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 107-05-1 | 1 ppm (3mg/m3/8H) | orl-rat 700mg/kg |
| 3. Carbon disulphide | (0060) | MKCR8561 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20023 | 2001.6 | 8.1 | 75-15-0 | 4 ppm (12mg/m3) (skin) | orl-rat 1200mg/kg |
| 4. cis-1,4-Dichloro-2-butene | (1196) | 14718EF | NA | NA | NA | 2000 | 95 | 0.2 | NA | 0.21058 | 0.21069 | 2001.1 | 8.5 | 1476-11-5 | N/A | N/A |
| 5. trans-1,4-Dichloro-2-butene | (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) | MKBW5137V | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20041 | 2001.6 | 8.1 | 80-62-6 | 100 ppm (410mg/m3/8H) | orl-rat 7872mg/kg |
| 13. Nitrobenzene | (0228) | 01213TV | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20220 | 2001.3 | 8.2 | 98-95-3 | 1 ppm (5mg/m3/8H)(skin) | orl-rat 780mg/kg |
| 14. 2-Nitropropane | (0461) | 14002JX | NA | NA | NA | 2000 | 97.3 | 0.2 | NA | 0.20560 | 0.20577 | 2001.6 | 8.3 | 79-46-9 | 10 ppm (35mg/m3/8H) | orl-rat 720mg/kg |
| 15. Pentachloroethane | (0450) | HGA01 | NA | NA | NA | 2000 | 98 | 0.2 | NA | 0.20413 | 0.20430 | 2001.6 | 8.3 | 76-01-7 | N/A | N/A |
| 16. 1,1,2-Trichlorotrifluoroethane | (0474) | 18930 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20225 | 2001.8 | 8.2 | 76-13-1 | 1000 ppm (7600mg/m3/8H) | orl-rat 43g/kg |
| 17. Bromodichloromethane | 35171 | 101623 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-27-4 | N/A | orl-rat 916mg/kg |
| 18. Dibromochloromethane | 35171 | 101623 | 0.05 | 5.00 | 40002.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 124-48-1 | N/A | orl-rat 848mg/kg |
| 19. cis-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 156-59-2 | N/A | N/A |
| 20. trans-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 156-60-5 | N/A | orl-rat 1235mg/kg |
| 21. Methylene chloride | 35171 | 101623 | 0.05 | 5.00 | 40002.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-09-2 | 500 ppm | orl-rat 820mg/kg |
| 22. 1,1-Dichloroethene | 32251 | 102023 | 0.10 | 10.00 | 20001.6 | 2000 | NA | NA | 0.042 | NA | NA | 1999.7 | 20.4 | 75-35-4 | 1 ppm (4mg/m3/8H) | orl-rat 200mg/kg |
| 23. Bromoform | 95321 | 020724 | 0.10 | 10.00 | 20003.2 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-25-2 | 0.5 ppm (5mg/m3) (skin) | orl-rat 933mg/kg |
| 24. Carbon tetrachloride | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 56-23-5 | 2 ppm (12.6mg/m3/8H) | orl-rat 2350mg/kg |
| 25. Chloroform | 95321 | 020724 | 0.10 | 10.00 | 20024.0 | 2000 | NA | NA | 0.042 | NA | NA | 2001.9 | 20.5 | 67-66-3 | 50 ppm (240mg/m3) (CL) | orl-rat 908mg/kg |
| 26. Dibromomethane | 95321 | 020724 | 0.10 | 10.00 | 20002.9 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 74-95-3 | N/A | orl-rat 108mg/kg |
| 27. 1,1-Dichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-34-3 | 100 ppm | orl-rat 725mg/kg |
| 28. 2,2-Dichloropropane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 594-20-7 | N/A | N/A |
| 29. Tetrachloroethene | 95321 | 020724 | 0.10 | 10.00 | 20201.1 | 2000 | NA | NA | 0.042 | NA | NA | 2019.6 | 20.8 | 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 149.6mg/kg |
| 45. Benzene | 35162 | 050823 | 0.05 | 5.00 | 40005.0 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 71-43-2 | 1 ppm | orl-rat 4894mg/kg |
| 46. Bromobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-86-1 | N/A | orl-rat 2699mg/kg |
| 47. n-Butyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 104-51-8 | N/A | N/A |
| 48. Ethyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-41-4 | 100 ppm (435mg/m3/8H) | orl-rat >2000mg/kg |
| 49. p-Isopropyl toluene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 99-87-6 | N/A | orl-rat 4750mg/kg |
| 50. Naphthalene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 91-20-3 | 10 ppm (50mg/m3/8H) | orl-rat 490mg/kg |
| 51. Styrene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-42-5 | 100 ppm | orl-rat 5000mg/kg |
| 52. Toluene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-88-3 | 200 ppm | orl-rat 5000mg/kg |
| 53. 1,2,3-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 87-61-6 | N/A | ipr-mus 1390mg/kg |
| 54. 1,2,4-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 120-82-1 | 5 ppm (CL) (40mg/m3) | orl-rat 756mg/kg |
| 55. 1,2,4-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40001.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 95-63-6 | N/A | orl-rat 5g/kg |
| 56. 1,3,5-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-67-8 | N/A | orl-rat 5000mg/kg |
| 57. m-Xylene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-38-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |
| 58. tert-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40001.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 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 | 6.97 |
| 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 | Tetrachloroethene/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 | 42.82 |
| 52 | 1,2-Dichlorobenzene | 43.18 |
| 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 | 50.26 |
| 58 | 1,2,3-Trichlorobenzene | 51.16 |

**Absolute Standards Inc.**

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. | 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)) | | | |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | % (optional) > 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. |
| Storage Conditions | Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. 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 Numb
https://Absolutestandards.co...

## CERTIFIED WEIGHT REPORT

**Part Number:** 91980
**Lot Number:** 091424
**Description:** Acrolein

**Solvent(s):** Water **Lot#** 072324Q

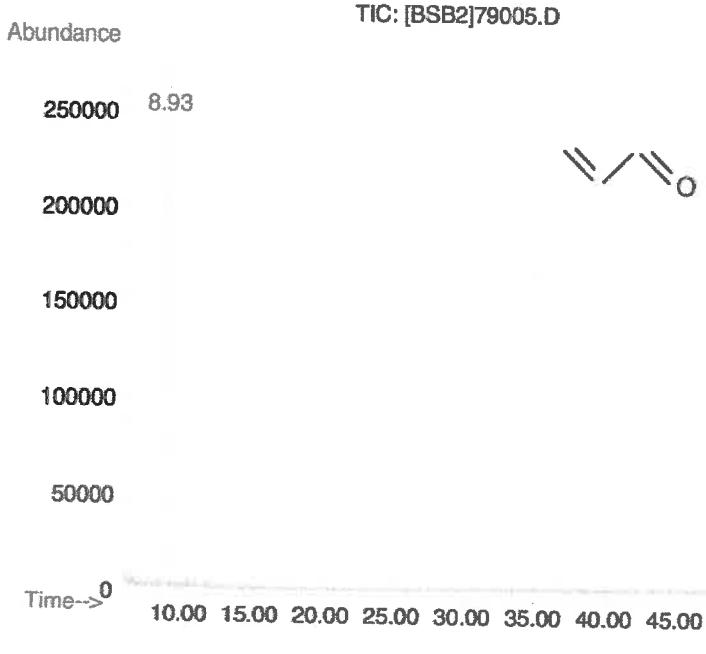
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

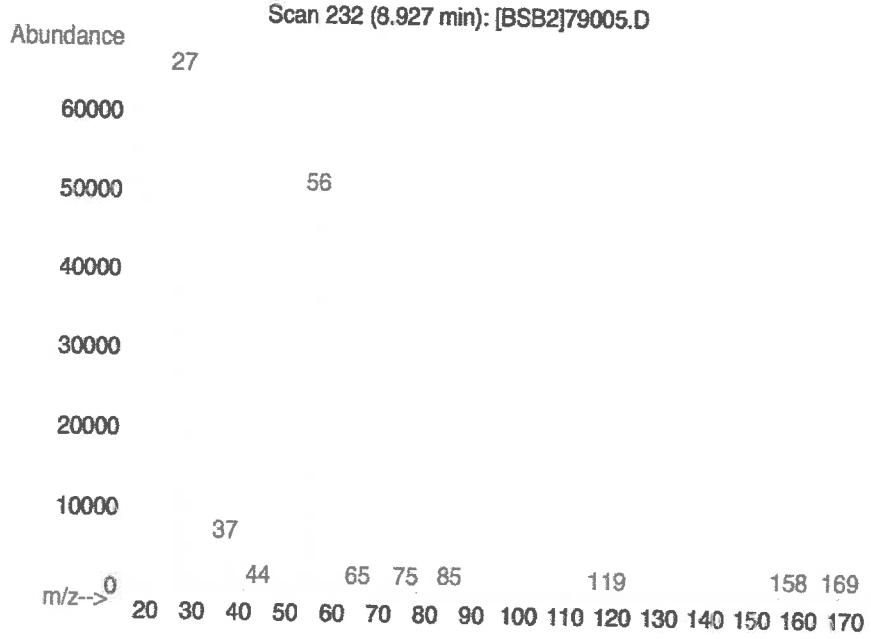
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

| | |
|---|---|
| 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 Numb
https://Absolutestandards.co...

## CERTIFIED WEIGHT REPORT

**Part Number:** 91980
**Lot Number:** 091424
**Description:** Acrolein

**Solvent(s):** Water **Lot#** 072324Q

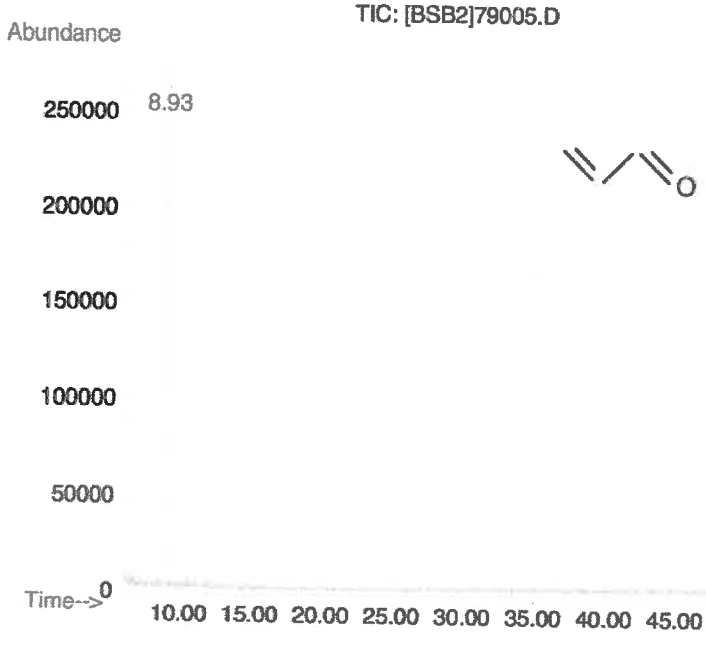
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

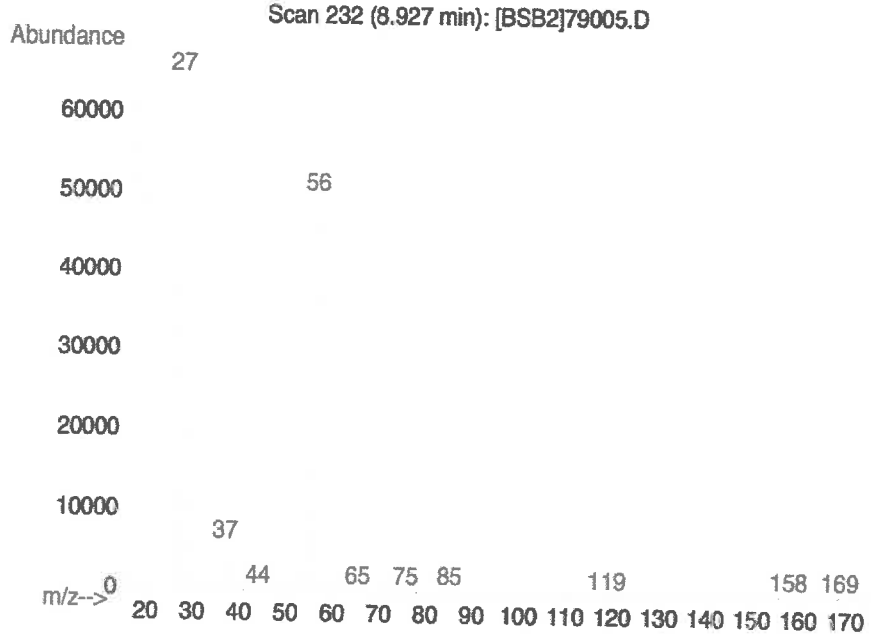
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

| | |
|---|---|
| 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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20 vial
V14630 to
V14649

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 |

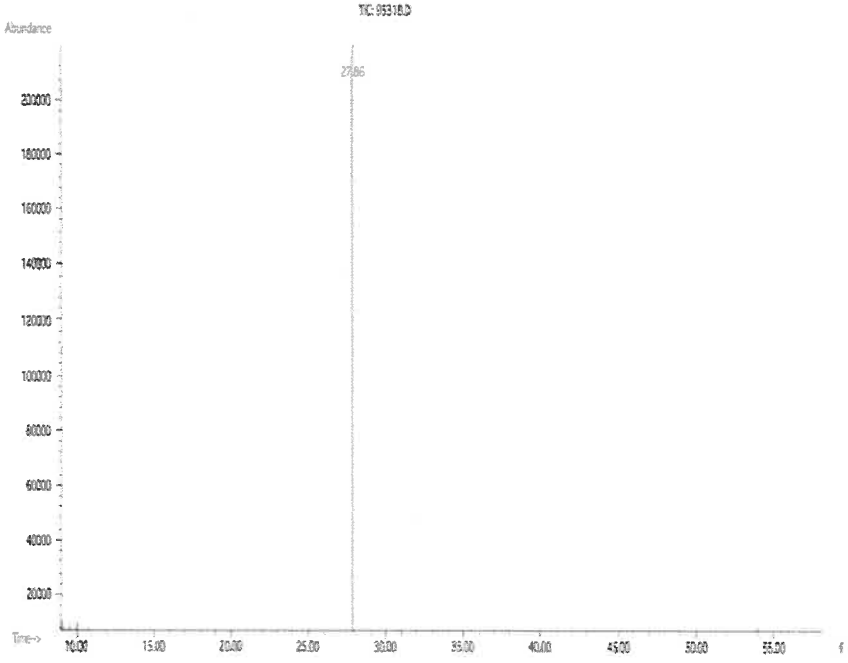
| **Solvent(s):** | **Lot#** | | |
|---|---|---|---|
| Methanol | EJ143-US | | |
| | | 5E-05 | Balance Uncertainty |
| | | 0.001 | Flask Uncertainty |

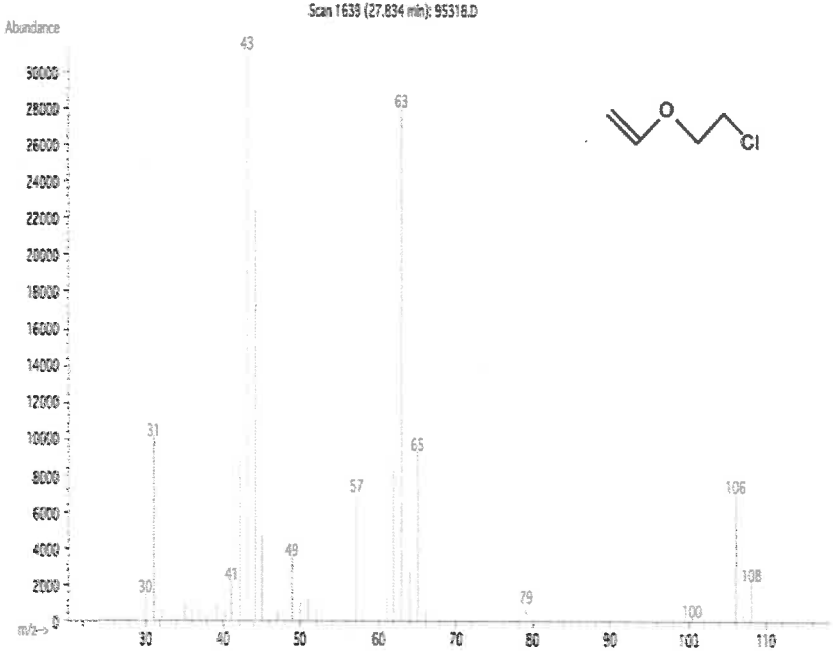
Weight(s) shown below were combined and diluted to (mL): 50.0

| | | |
|---|---|---|
| Prashant Chauhan | 120524 | |
| Formulated By: Prashant Chauhan | DATE | |
| Pedro Rentas | 120524 | |
| Reviewed By: Pedro L. Rentas | DATE | |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.50536 | 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 |
| 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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V14630 to
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AR-1539 Certificate Number
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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

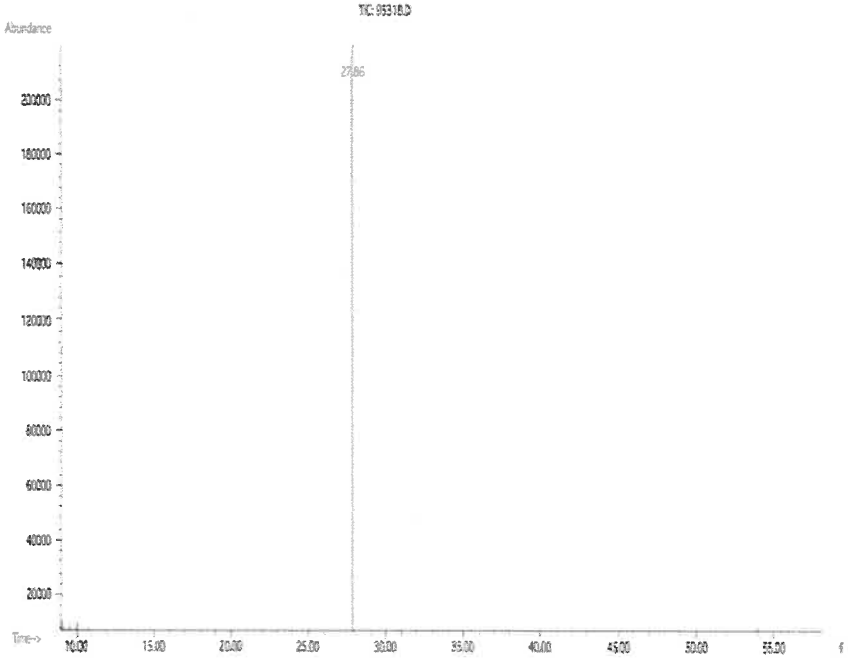
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

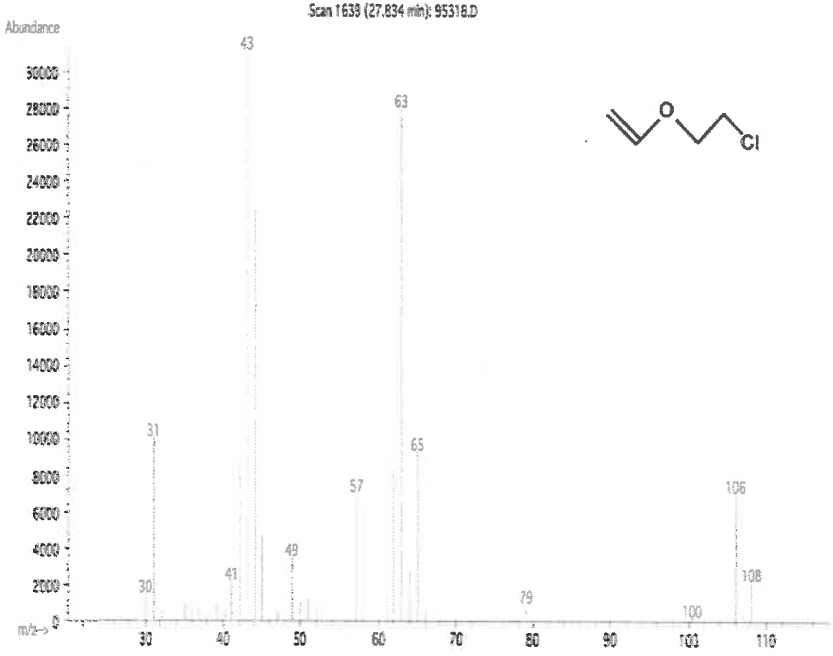
Weight(s) shown below were combined and diluted to (mL): 50.0

| | |
|---|---|
| Prashant Chauhan | 120524 |
| Formulated By: Prashant Chauhan | DATE |
| Pedro Rentas | 120524 |
| Reviewed By: Pedro L. Rentas | DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.50536 | 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).

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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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Rec 12/6/24
20 vial
V14630 to
V14649

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

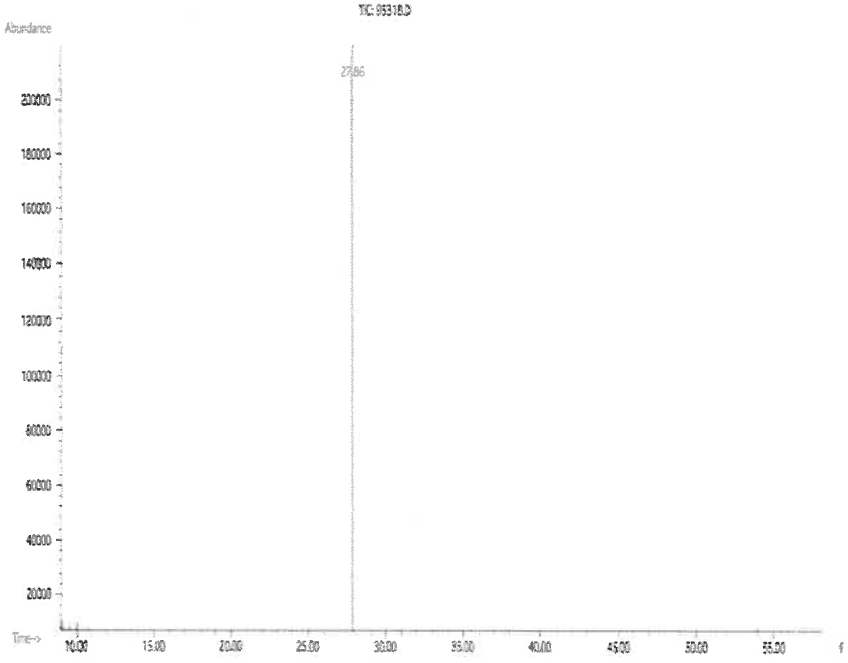
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

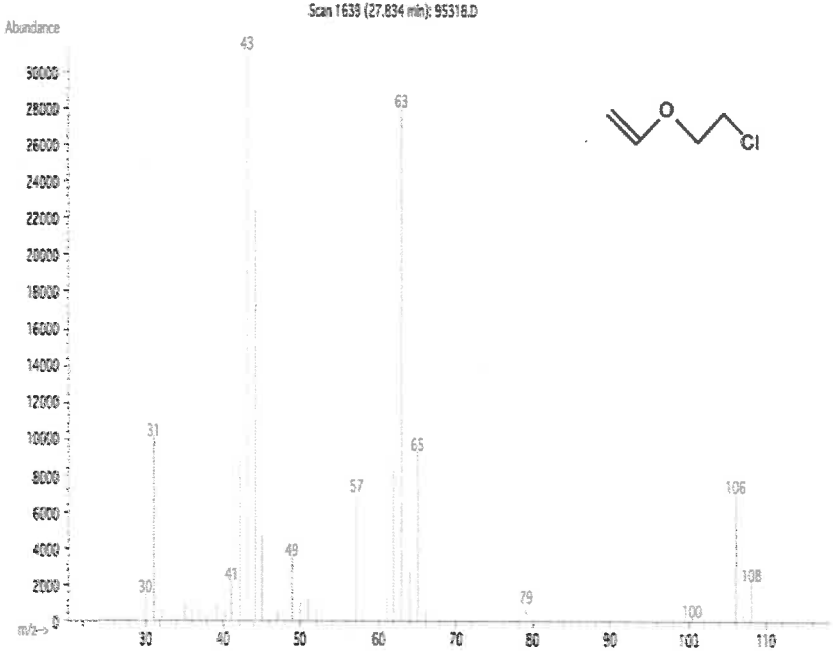
Weight(s) shown below were combined and diluted to (mL): 50.0

| | | |
|---|---|---|
| Prashant Chauhan | | 120524 |
| Formulated By: | Prashant Chauhan | DATE |
| Pedro Rentas | | 120524 |
| Reviewed By: | Pedro L. Rentas | DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.50536 | 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.
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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.

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

Dec 12/6/24
20 vial
V14630 to
V14649

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

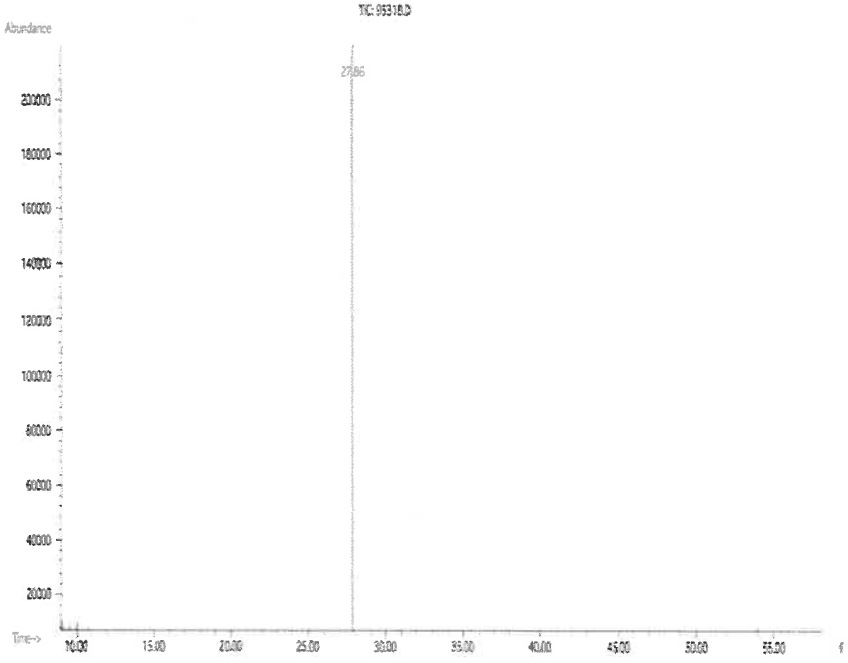
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

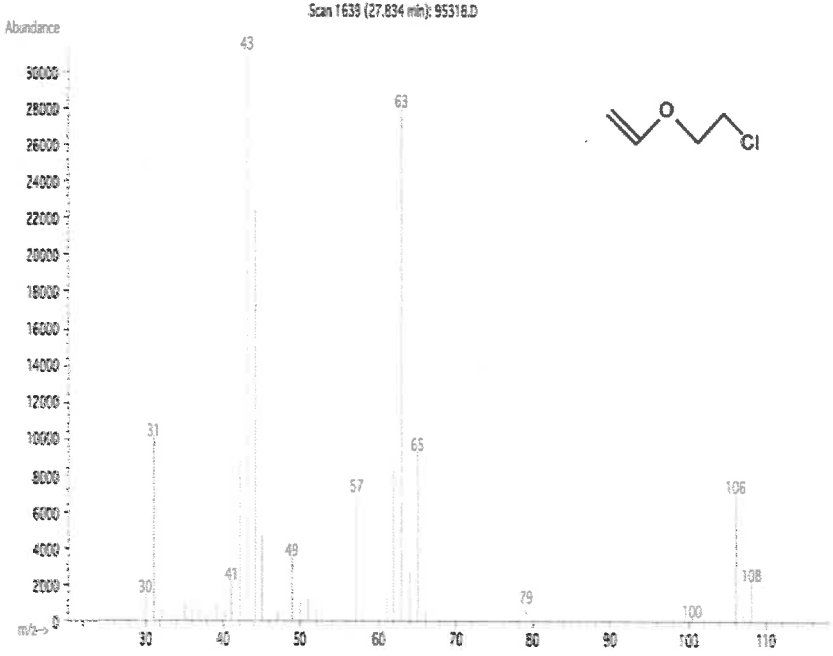
Weight(s) shown below were combined and diluted to (mL): 50.0

| | | |
|---|---|---|
| Prashant Chauhan | 120524 | |
| Formulated By: | Prashant Chauhan | DATE |
| Pedro Rentas | 120524 | |
| Reviewed By: | Pedro L. Rentas | DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.50536 | 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 |
| 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.

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.)

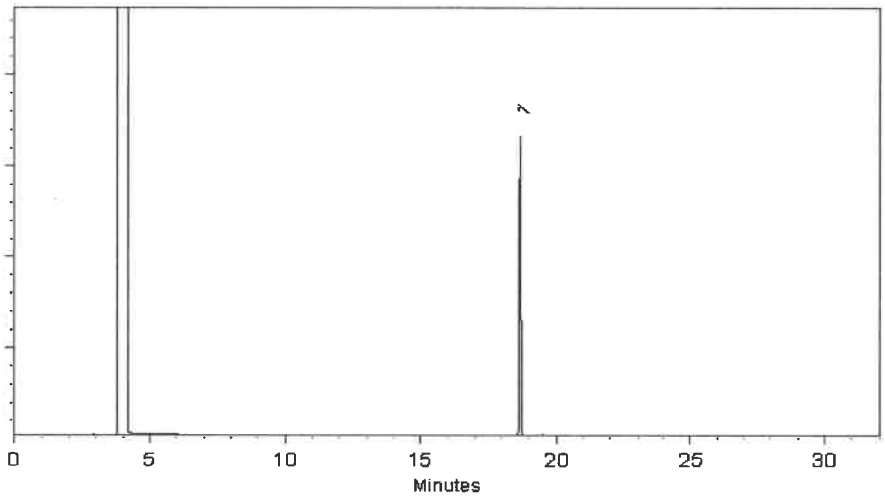
**Inj. Temp:**
200°C

**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.

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Fax: 1-814-353-1309

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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. :** 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.)

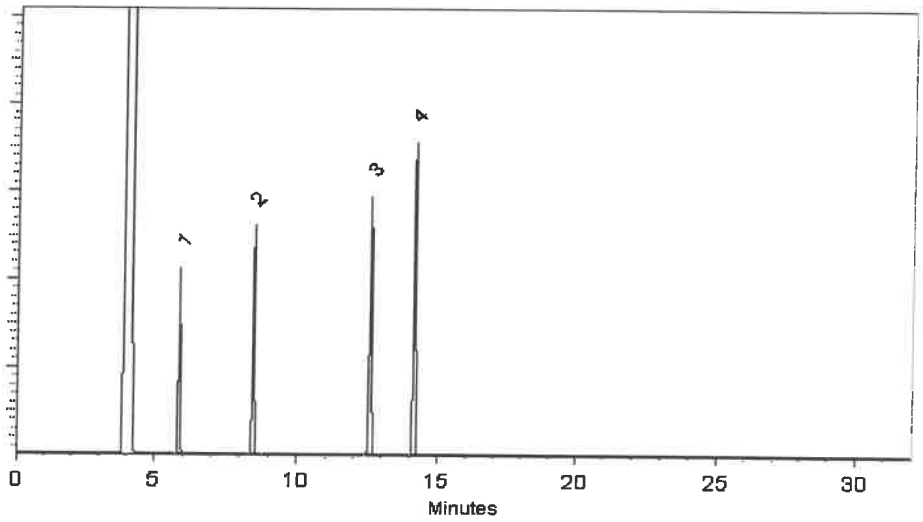
**Inj. Temp:**
200°C

**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

*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. :** 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.)

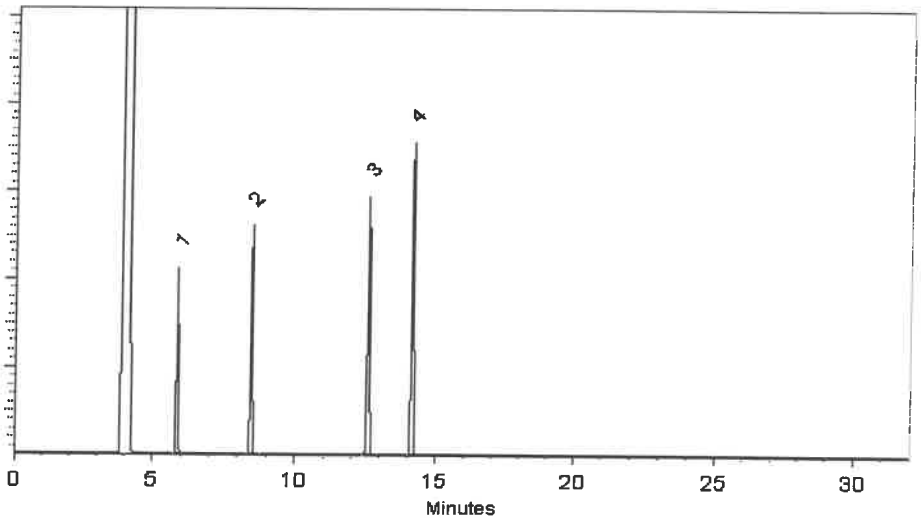
**Inj. Temp:**
200°C

**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:

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110 Benner Circle
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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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 |
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**CAS #** 67-56-1/7732-18-5
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
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@ 8°C/min. (hold 5 min.)

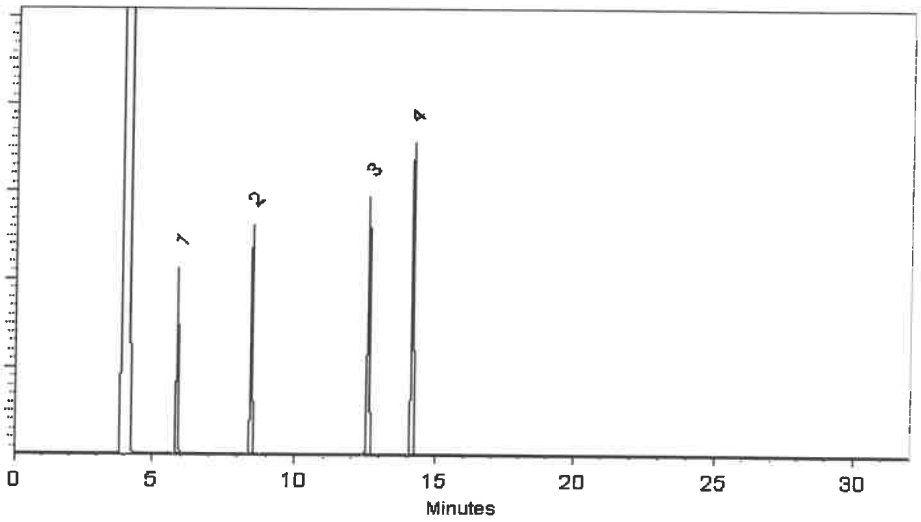
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




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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.

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

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### Manufacturing Notes:

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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**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.
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### Manufacturing Notes:

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10 vial.

# CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

# Certificate of Analysis

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**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.)

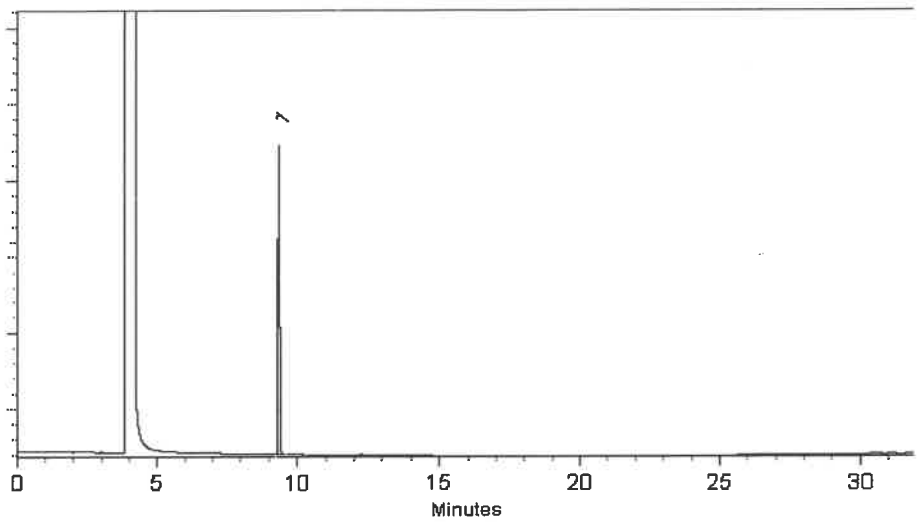
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




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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:

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10 vial.

# CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

# Certificate of Analysis

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**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%

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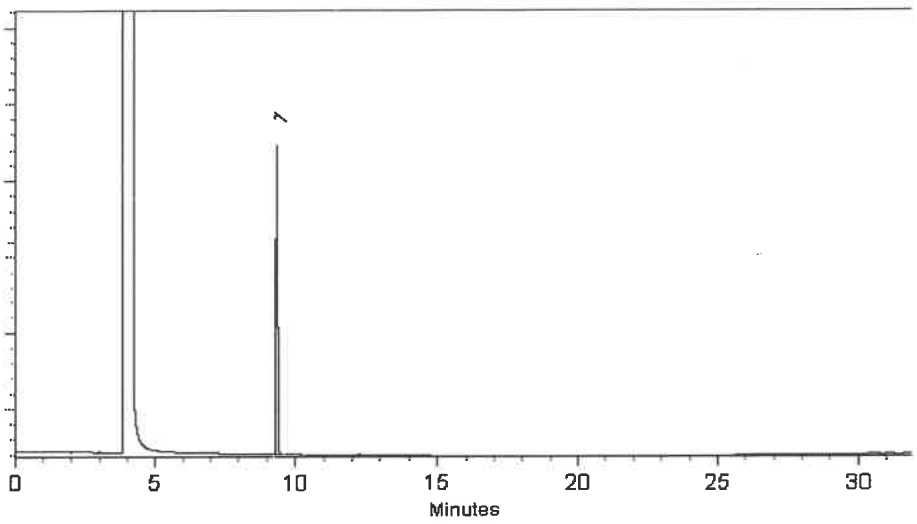
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**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




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Stacey Wanner - Operations Technician I

**Date Mixed:** 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

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Rec: 12/09/24

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**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%

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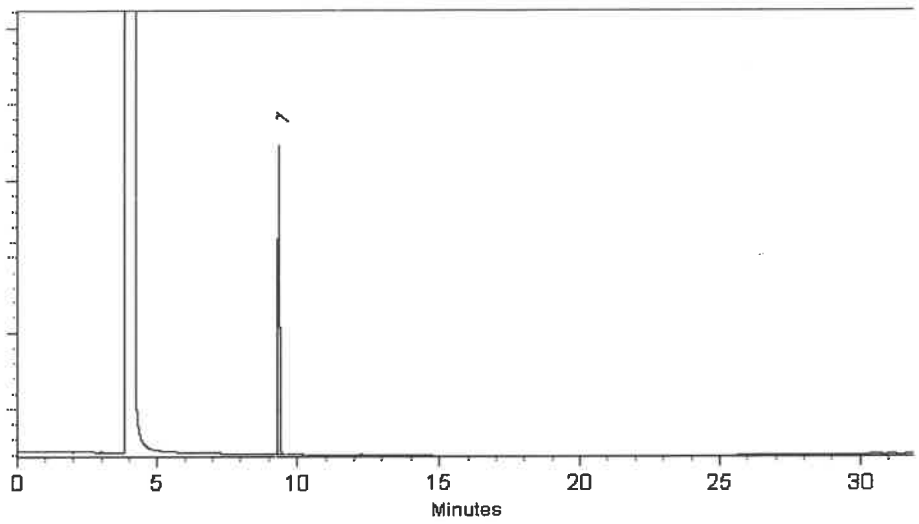
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**Split Vent:**
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This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, 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

Rec: 12/09/24

# Certificate of Analysis

***chromatographic plus***

V14667 to
V14676

ACCREDITED
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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. :** 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.)

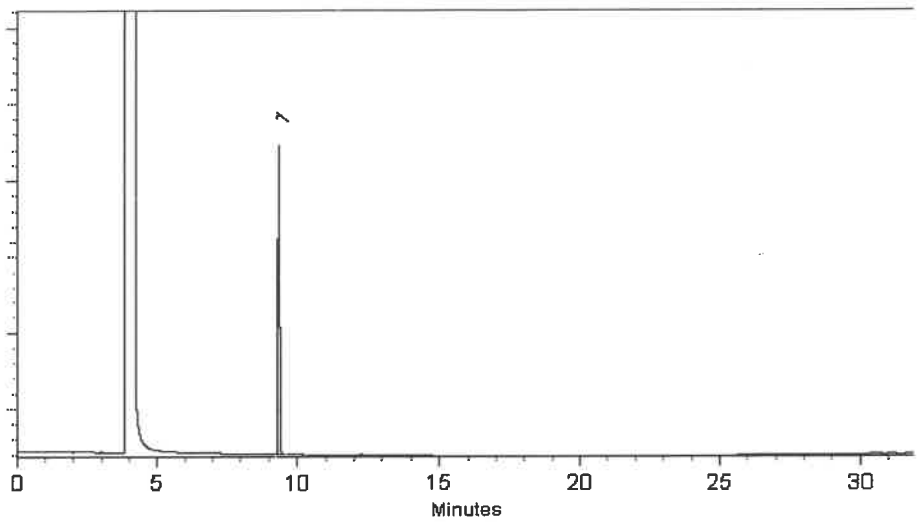
**Inj. Temp:**
200°C

**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

***chromatographic plus***

V14727 to
V14756

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. :** 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.

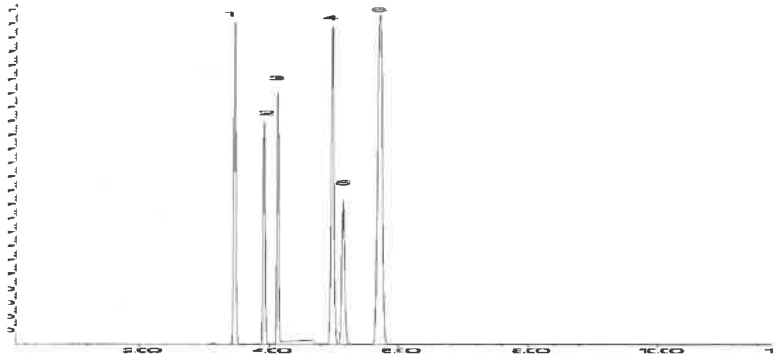
**Inj. Temp:**
200°C

**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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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

# Certificate of Analysis

***chromatographic plus***

V14727 to V14756

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. :** 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.

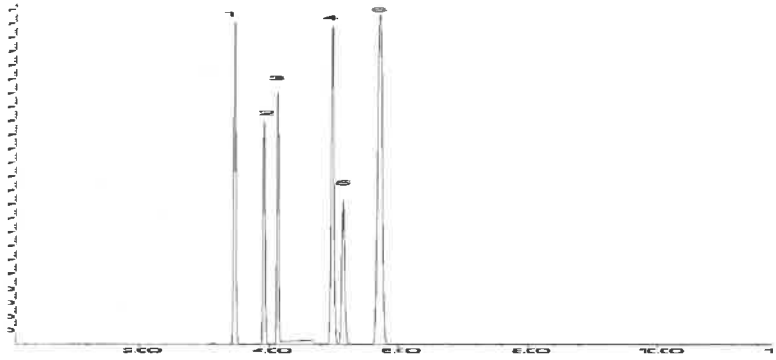
**Inj. Temp:**
200°C

**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:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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- 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

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

J14842 to 14846

**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.)

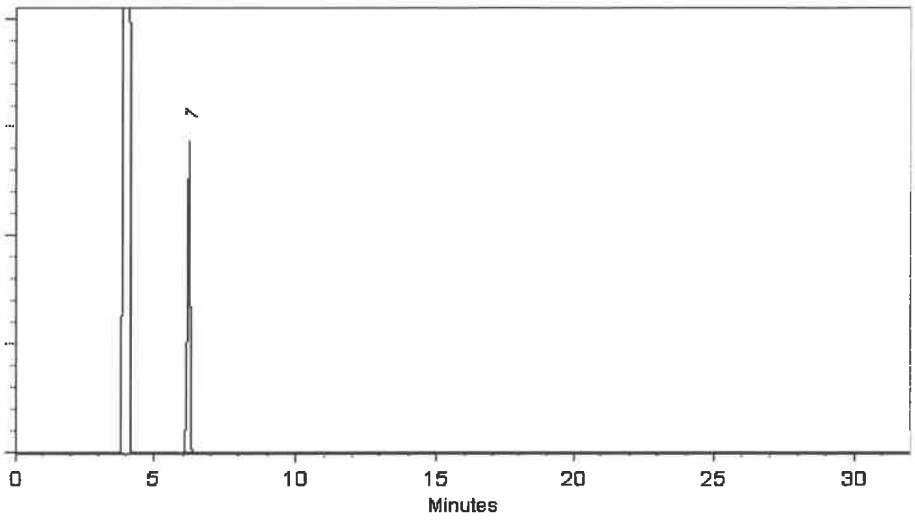
**Inj. Temp:**
200°C

**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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Zoey 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.)

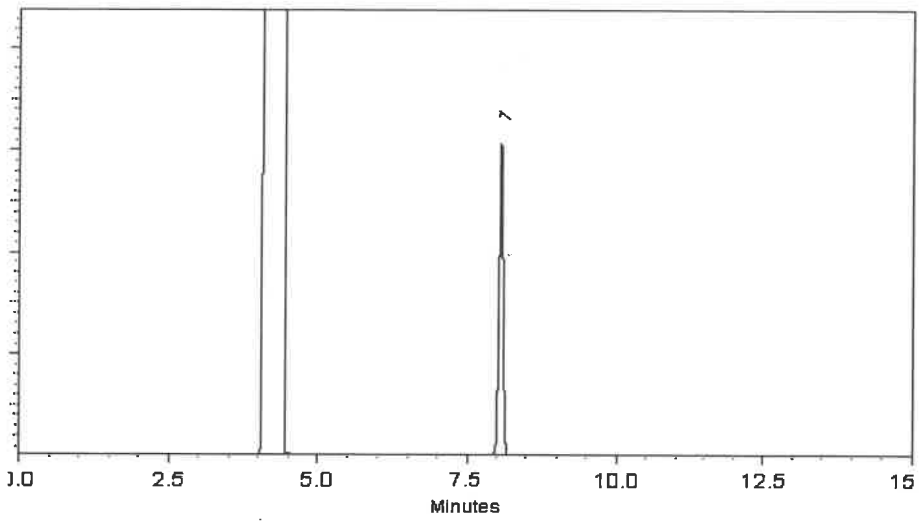
**Inj. Temp:**
200°C

**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.

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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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Verify 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.)

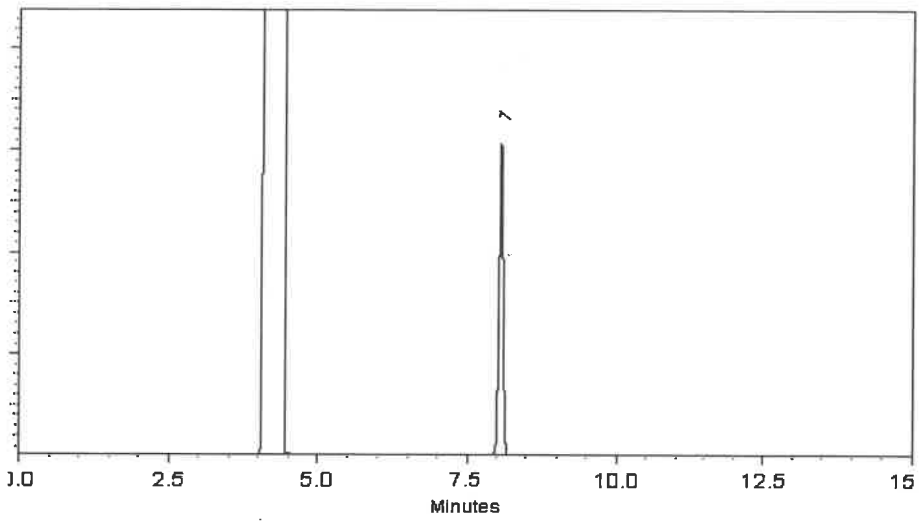
**Inj. Temp:**
200°C

**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.

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Fax: 1-814-353-1309

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®

V14921 to
V14938

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®

V14921 to
V14938

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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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

Lee 05/19/25

RESTEK

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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 of Vial

# Certificate of Analysis

*chromatographic plus*

VJ14951 to VJ14970

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**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

Lee 05/19/25

RESTEK

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CERTIFIED REFERENCE MATERIAL
2 x Vial

# Certificate of Analysis

*chromatographic plus*

VJ14951 to VJ14970

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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**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) |
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| 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 |
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| 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

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***Certified Reference Material CRM***

Rec 10/16/25 5 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 91980
**Lot Number:** 101625
**Description:** Acrolein

**Solvent(s):** Water **Lot#** 041725Q

**Expiration Date:** 111625
**Recommended Storage:** Refrigerate (2°C to 8°C)
**Nominal Concentration (µg/mL):** 5000
**NIST Test ID#:** 6UTB

V15071 – V15075

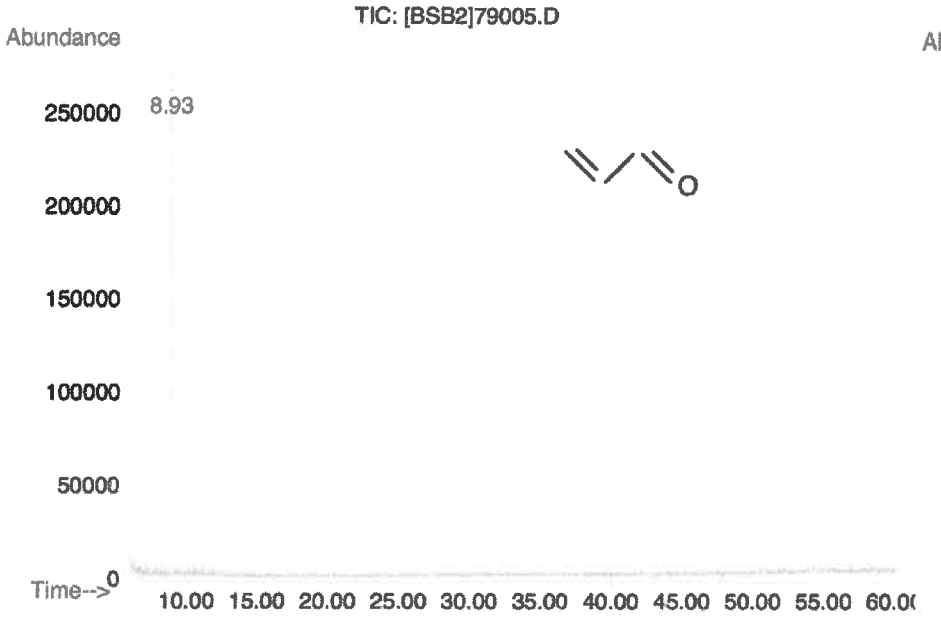
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

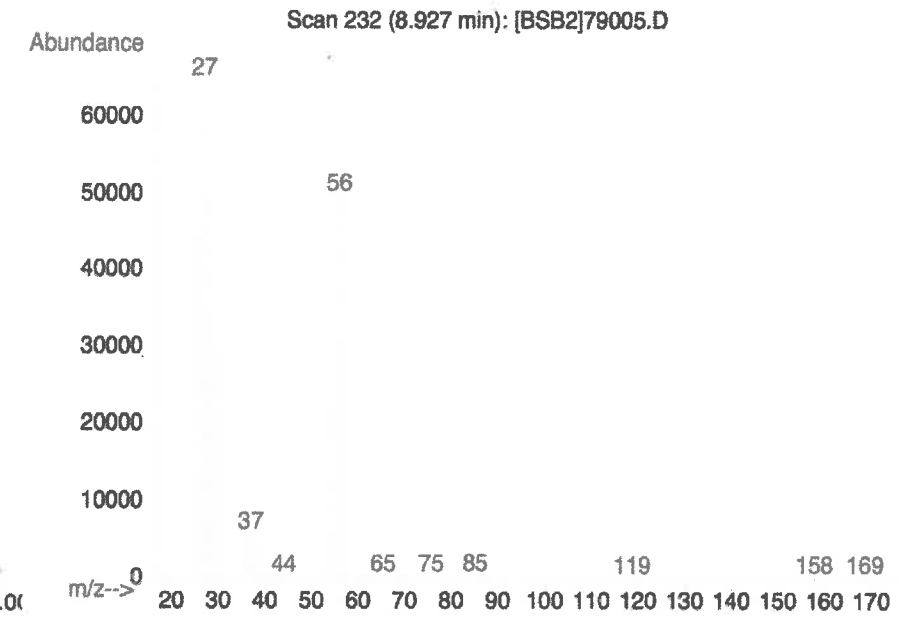
Weight(s) shown below were combined and diluted to (mL): 10.0

| | |
|---|---|
| Prashant Chauhan | 101625 |
| Formulated By: Prashant Chauhan | DATE |
| Pedro L. Rentas | 101625 |
| 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 | 0.05180 | 5013.7 | 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. Goverament Printing Office, Washington, DC, (1994).

Rev 1.0, 2/25/2025

**Absolute Standards, Inc.**
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*Certified Reference Material CRM*

Rec 10/16/25 5 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 91980
**Lot Number:** 101625
**Description:** Acrolein

**Solvent(s):** Water **Lot#** 041725Q

**Expiration Date:** 111625
**Recommended Storage:** Refrigerate (2°C to 8°C)
**Nominal Concentration (µg/mL):** 5000
**NIST Test ID#:** 6UTB

V15071 – V15075

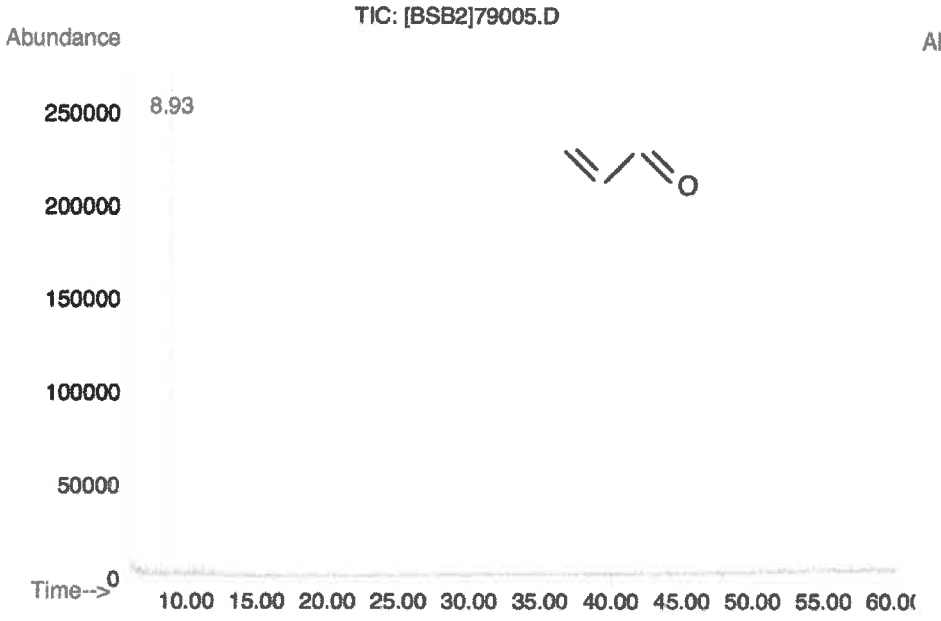
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

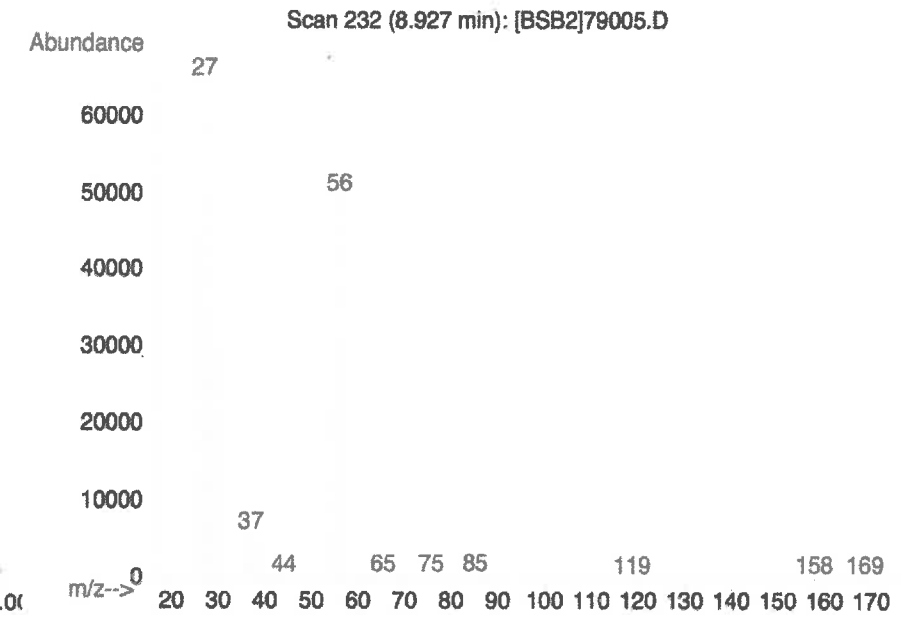
Weight(s) shown below were combined and diluted to (mL): 10.0

| | |
|---|---|
| Prashant Chauhan | 101625 |
| Formulated By: Prashant Chauhan | DATE |
| Pedro L. Rentas | 101625 |
| 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 | 0.05180 | 5013.7 | 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. Goverament 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 10/16/25 5 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 91980
**Lot Number:** 101625
**Description:** Acrolein

**Solvent(s):** Water **Lot#** 041725Q

**Expiration Date:** 111625
**Recommended Storage:** Refrigerate (2°C to 8°C)
**Nominal Concentration (µg/mL):** 5000
**NIST Test ID#:** 6UTB

V15071 – V15075

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

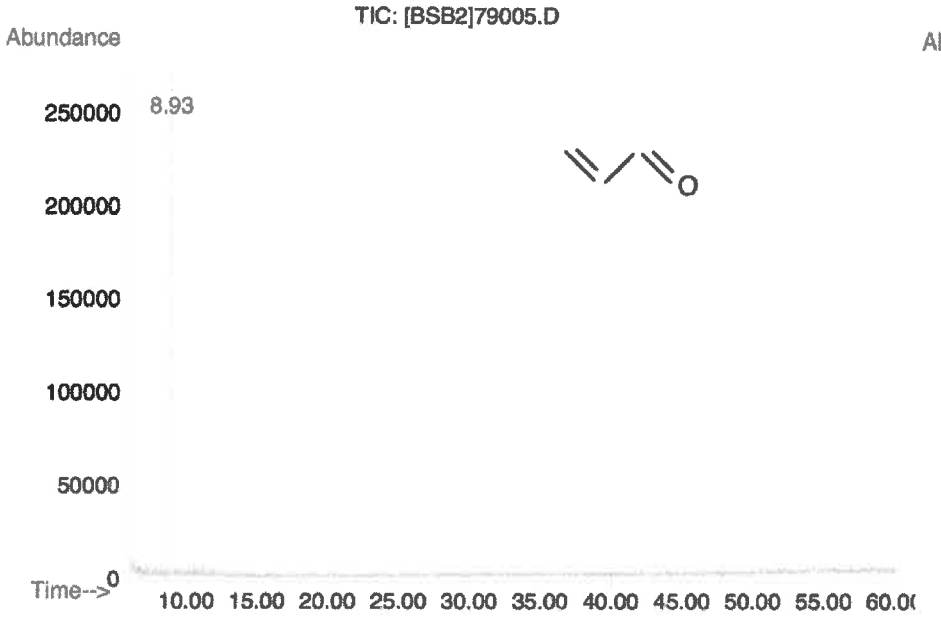
Weight(s) shown below were combined and diluted to (mL): 10.0

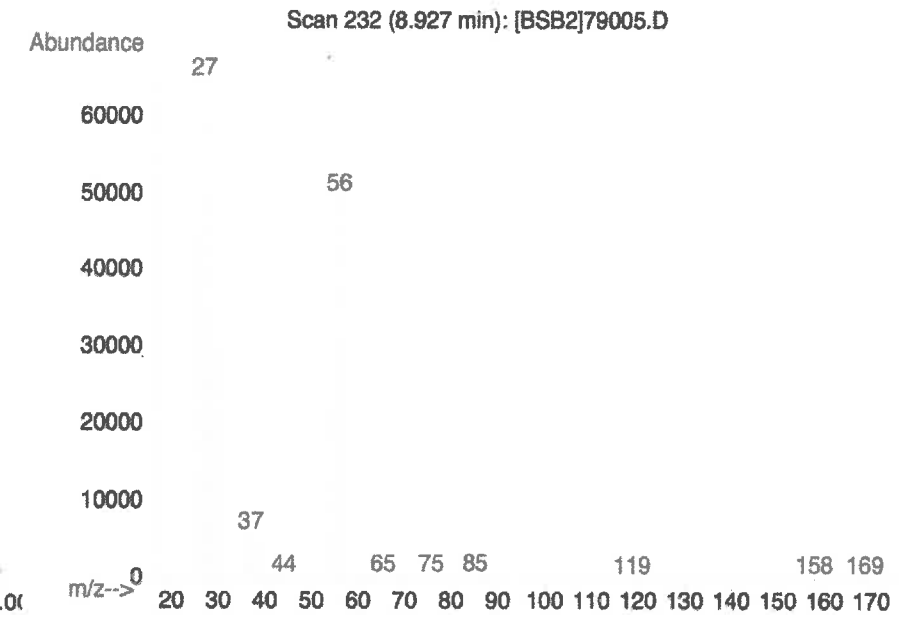
Prashant Chauhan 101625
Formulated By: Prashant Chauhan DATE

Pedro Rentas 101625
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 | 0.05180 | 5013.7 | 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. Goverament 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: Q3371/72

COC Number:

| CLIENT INFORMATION | | | PROJECT INFORMATION | | BILLING INFORMATION | | |
|---|---|---|---|---|---|---|---|
| COMPANY: Tetra Tech | | | PROJECT NAME: NWIRP Bethpage | | BILL TO: SEE CONTRACT | PO# | |
| ADDRESS: 4433 Corporation Lane Suite 300 | | | PROJECT #: 112G08005-WE13 | LOCATION: VPB-184 | ADDRESS: | | |
| CITY: Virginia Beach | STATE: VA | ZIP: 23462 | PROJECT MANAGER: Ernie Wu | | CITY: | STATE: | ZIP: |
| ATTENTION: Ernie Wu | | | E-MAIL: ernie.wu@tetratech.com | | ATTENTION: | PHONE: | |
| PHONE: 757-466-4901 | FAX: 757-461-4148 | | PHONE: 757-466-4901 | FAX: 757-461-4148 | | | |

**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) | 522_PREC | | | | | | |

| 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-20251010 | QA | | X | 10/10/25 | 9:00 | 2 | | 2 | | | | | | | | | Trip Blank |
| 2. | BP-VPB-184-EB-20251016 | QA | | X | 10/16/25 | 9:00 | 3 | | 2 | 1 | | | | | | | | Equipment Blank |
| 3. | VPB184-HYD-20251010 | AQ | | X | 10/10/25 | 14:00 | 5 | | 2 | 1 | 2 | | | | | | | |
| 4. | BP-VPB-184-GW-915-917 | AQ | | X | 10/15/25 | 9:45 | 3 | | 3 | | | | | | | | | |
| 5. | BP-VPB-184-GW-920-922 | AQ | | X | 10/15/25 | 11:56 | 4 | | 3 | 1 | | | | | | | | |
| 6. | VPB184-HYD-20251016 | AQ | | X | 10/16/25 | 14:30 | 5 | | 2 | 1 | 2 | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

PRESERVATIVES: <-- 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 | DATE/TIME | RECEIVED BY |
|---|---|---|---|
| 1. | | 10/16/25 1340 | 1. |
| 2. | RELINQUISHED BY | DATE/TIME | RECEIVED BY 2. |
| 3. | RELINQUISHED BY | DATE/TIME 10.16.25 1840 | RECEIVED FOR LAB BY 3. |

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 1.9c
MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in
Cooler?:
Comments: 2 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

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 :** Q3371 TETR06
**Client Name :** Tetra Tech NUS, Inc.
**Client Contact :** Ernie Wu
**Invoice Name :** Tetra Tech NUS, Inc.
**Invoice Contact :** Ernie Wu

**Order Date :** 10/16/2025 4:13:00 PM
**Project Name :** NWIRP Bethpage 112G080
**Receive DateTime :** 10/16/2025 6:40:00 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 |
|---|---|---|---|---|---|---|---|---|---|
| Q3371-01 | BP-VPB-184-TB-20251010 | Water | 10/10/2025 | 09:00 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | | 2 Bus. Days |
| Q3371-02 | BP-VPB-184-EB-20251016 | Water | 10/16/2025 | 09:00 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | | 2 Bus. Days |
| Q3371-03 | VPB184-HYD-20251010 | Water | 10/10/2025 | 14:00 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | | 2 Bus. Days |
| Q3371-04 | BP-VPB-184-GW-915-917 | Water | 10/15/2025 | 09:45 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | | 2 Bus. Days |
| Q3371-05 | BP-VPB-184-GW-920-922 | Water | 10/15/2025 | 11:56 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | | 2 Bus. Days |
| Q3371-06 | VPB184-HYD-20251016 | Water | 10/16/2025 | 14:30 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | | 2 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 :** Q3371 TETR06
**Client Name :** Tetra Tech NUS, Inc.
**Client Contact :** Ernie Wu
**Invoice Name :** Tetra Tech NUS, Inc.
**Invoice Contact :** Ernie Wu

**Order Date :** 10/16/2025 4:13:00 PM
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**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 :** CL
**Date / Time :** 10/17/25 1335

**Received By :** Sam
**Date / Time :** 10/17/25 13:35 Rg # 4

**Storage Area :** VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048229.D
Acq On : 20 Oct 2025 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Oct 25 03:47:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 117157 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 193186 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 177252 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 86943 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 3362 | 2.047 | ug/l | | 0.01 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = | 4.100%# | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 2615 | 1.983 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 3.960%# | | | |
| 50) Toluene-d8 | 8.635 | 98 | 8676 | 1.877 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = | 3.760%# | | | |
| 62) 4-Bromofluorobenzene | 11.067 | 95 | 3491 | 1.985 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = | 3.980%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 1223 | 1.015 | ug/l | | 82 |
| 3) Chloromethane | 1.301 | 50 | 1186 | 1.055 | ug/l | # | 62 |
| 4) Vinyl Chloride | 1.380 | 62 | 1048 | 1.007 | ug/l | | 92 |
| 5) Bromomethane | 1.618 | 94 | 1028 | 1.455 | ug/l | | 100 |
| 6) Chloroethane | 1.697 | 64 | 545 | 0.891 | ug/l | | 91 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 1819 | 0.911 | ug/l | | 98 |
| 8) Diethyl Ether | 2.142 | 74 | 542 | 0.965 | ug/l | | 81 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 1199 | 0.948 | ug/l | | 89 |
| 10) Methyl Iodide | 2.459 | 142 | 1847 | 1.162 | ug/l | | 99 |
| 11) Tert butyl alcohol | 2.953 | 59 | 839 | 5.144 | ug/l | # | 72 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 1207 | 0.981 | ug/l | | 88 |
| 13) Acrolein | 2.246 | 56 | 780 | 4.689 | ug/l | | 99 |
| 14) Allyl chloride | 2.666 | 41 | 2101 | 1.029 | ug/l | | 96 |
| 15) Acrylonitrile | 3.069 | 53 | 2984 | 5.074 | ug/l | | 97 |
| 16) Acetone | 2.380 | 43 | 3519 | 6.245 | ug/l | | 98 |
| 17) Carbon Disulfide | 2.520 | 76 | 4767 | 1.230 | ug/l | # | 92 |
| 18) Methyl Acetate | 2.703 | 43 | 1204 | 1.023 | ug/l | # | 85 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 4437 | 1.057 | ug/l | | 100 |
| 20) Methylene Chloride | 2.794 | 84 | 1301 | 0.948 | ug/l | # | 76 |
| 21) trans-1,2-Dichloroethene | 3.099 | 96 | 1376 | 1.018 | ug/l | | 96 |
| 22) Diisopropyl ether | 3.745 | 45 | 3977 | 0.976 | ug/l | # | 26 |
| 23) Vinyl Acetate | 3.727 | 43 | 14769 | 4.539 | ug/l | | 95 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 2615 | 1.062 | ug/l | | 97 |
| 25) 2-Butanone | 4.574 | 43 | 3638 | 5.100 | ug/l | | 98 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 2347 | 1.056 | ug/l | | 84 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 1598 | 1.013 | ug/l | | 94 |
| 28) Bromochloromethane | 4.879 | 49 | 908 | 0.889 | ug/l | # | 69 |
| 29) Tetrahydrofuran | 5.007 | 42 | 2088 | 4.888 | ug/l | # | 73 |
| 30) Chloroform | 5.093 | 83 | 2688 | 1.022 | ug/l | | 97 |
| 31) Cyclohexane | 5.465 | 56 | 1796 | 0.881 | ug/l | # | 69 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 2459 | 1.014 | ug/l | # | 50 |
| 36) 1,1-Dichloropropene | 5.696 | 75 | 2173 | 1.159 | ug/l | # | 62 |
| 37) Ethyl Acetate | 4.727 | 43 | 1285 | 0.827 | ug/l | # | 82 |
| 38) Carbon Tetrachloride | 5.660 | 117 | 802 | 0.347 | ug/l | # | 77 |
| 39) Methylcyclohexane | 7.373 | 83 | 2128 | 0.961 | ug/l | | 94 |
| 40) Benzene | 6.032 | 78 | 5767 | 1.060 | ug/l | # | 89 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048229.D
Acq On : 20 Oct 2025 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Oct 25 03:47:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 312 | 0.382 ug/l # | 67 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 2044 | 1.018 ug/l | 87 |
| 43) Isopropyl Acetate | 6.336 | 43 | 2548 | 0.998 ug/l # | 85 |
| 44) Trichloroethene | 7.117 | 130 | 1547 | 1.076 ug/l | 83 |
| 45) 1,2-Dichloropropane | 7.422 | 63 | 1195 | 0.924 ug/l | 96 |
| 46) Dibromomethane | 7.574 | 93 | 1032 | 1.024 ug/l | 95 |
| 47) Bromodichloromethane | 7.812 | 83 | 2204 | 1.013 ug/l # | 79 |
| 48) Methyl methacrylate | 7.684 | 41 | 1283 | 0.996 ug/l | 95 |
| 49) 1,4-Dioxane | 7.665 | 88 | 255 | 14.987 ug/l # | 34 |
| 51) 4-Methyl-2-Pentanone | 8.562 | 43 | 7066 | 4.802 ug/l | 91 |
| 52) Toluene | 8.708 | 92 | 3403 | 0.984 ug/l | 95 |
| 53) t-1,3-Dichloropropene | 8.970 | 75 | 1844 | 0.879 ug/l # | 74 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 2250 | 0.994 ug/l | 90 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 1229 | 0.956 ug/l # | 85 |
| 56) Ethyl methacrylate | 9.104 | 69 | 1616 | 0.859 ug/l | 96 |
| 57) 1,3-Dichloropropane | 9.299 | 76 | 2174 | 0.990 ug/l | 93 |
| 58) 2-Chloroethyl Vinyl ether | 8.232 | 63 | 2970 | 4.614 ug/l | 100 |
| 59) 2-Hexanone | 9.421 | 43 | 4456 | 4.343 ug/l | 92 |
| 60) Dibromochloromethane | 9.507 | 129 | 1862 | 1.077 ug/l | 95 |
| 61) 1,2-Dibromoethane | 9.598 | 107 | 1338 | 0.976 ug/l | 98 |
| 64) Tetrachloroethene | 9.257 | 164 | 1482 | 1.120 ug/l | 92 |
| 65) Chlorobenzene | 10.067 | 112 | 4073 | 1.021 ug/l | 90 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 1495 | 1.021 ug/l # | 66 |
| 67) Ethyl Benzene | 10.177 | 91 | 6752 | 0.995 ug/l | 97 |
| 68) m/p-Xylenes | 10.287 | 106 | 4589 | 1.819 ug/l | 90 |
| 69) o-Xylene | 10.628 | 106 | 2313 | 0.950 ug/l | 99 |
| 70) Styrene | 10.640 | 104 | 3737 | 0.901 ug/l | 96 |
| 71) Bromoform | 10.787 | 173 | 1198 | 1.023 ug/l # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 6291 | 0.991 ug/l | 93 |
| 74) N-amyl acetate | 10.829 | 43 | 2137 | 0.949 ug/l # | 90 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 1718 | 0.991 ug/l | 90 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 2073 | 1.470 ug/l | 79 |
| 77) Bromobenzene | 11.183 | 156 | 1635 | 1.027 ug/l | 91 |
| 78) n-propylbenzene | 11.287 | 91 | 6956 | 0.946 ug/l | 94 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 4477 | 1.004 ug/l | 97 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 5196 | 0.989 ug/l | 97 |
| 81) trans-1,4-Dichloro-2-b... | 11.006 | 75 | 387 | 0.668 ug/l # | 75 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 5385 | 1.018 ug/l | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 5439 | 1.007 ug/l | 91 |
| 84) 1,2,4-Trimethylbenzene | 11.738 | 105 | 4854 | 0.926 ug/l | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 6589 | 1.014 ug/l | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 5812 | 1.035 ug/l | 91 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 3239 | 1.079 ug/l | 96 |
| 88) 1,4-Dichlorobenzene | 11.951 | 146 | 3239 | 1.042 ug/l | 96 |
| 89) n-Butylbenzene | 12.317 | 91 | 5787 | 1.132 ug/l | 98 |
| 90) Hexachloroethane | 12.518 | 117 | 1182 | 1.066 ug/l | 77 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 3135 | 1.112 ug/l | 96 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.933 | 75 | 290 | 0.824 ug/l | 79 |
| 93) 1,2,4-Trichlorobenzene | 13.573 | 180 | 2505 | 1.314 ug/l | 90 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 1658 | 2.385 ug/l | 97 |
| 95) Naphthalene | 13.762 | 128 | 5116 | 1.013 ug/l | 98 |
| 96) 1,2,3-Trichlorobenzene | 13.945 | 180 | 2006 | 1.147 ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048229.D
Acq On : 20 Oct 2025 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Oct 25 03:47:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

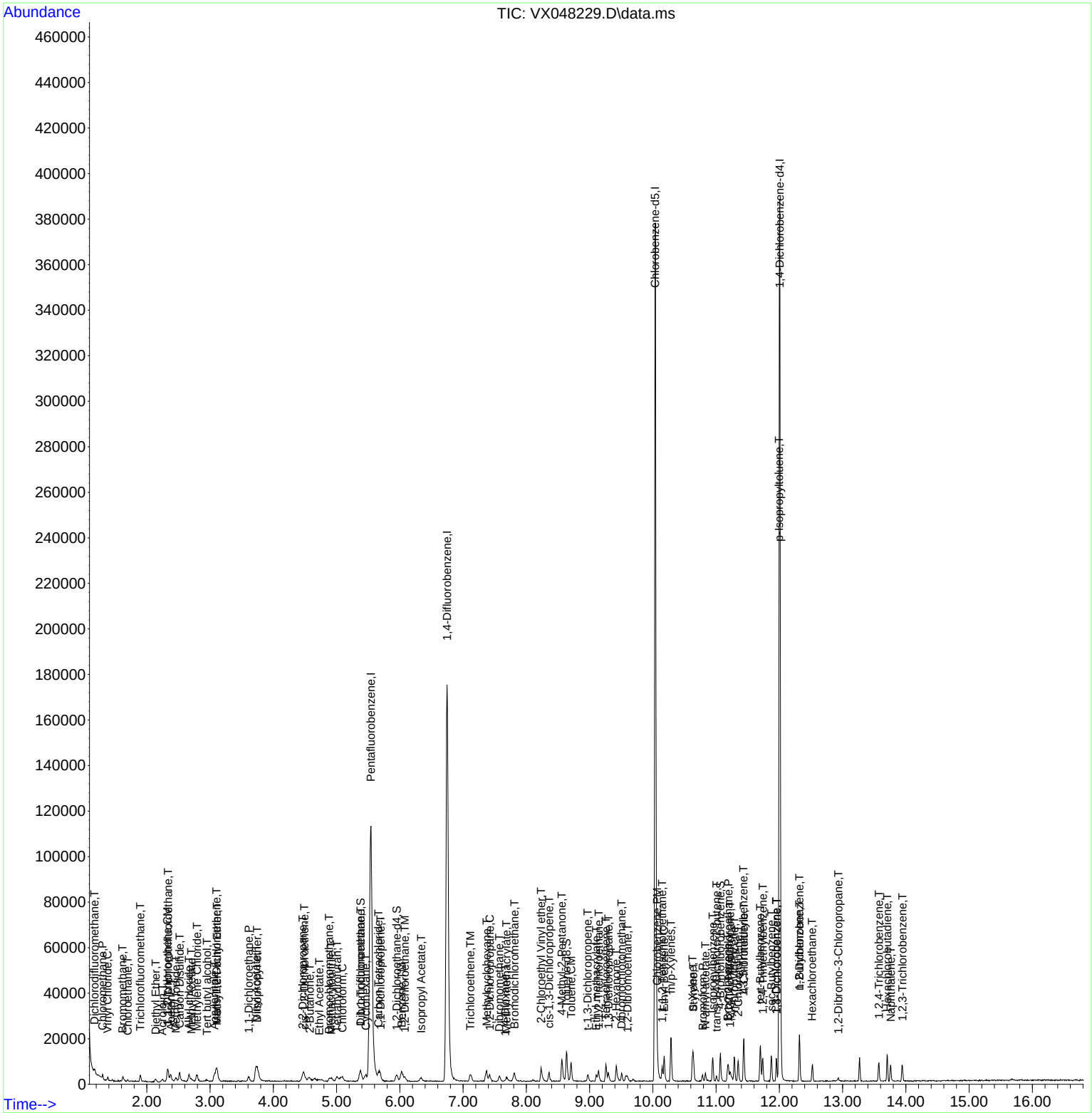
(#) = qualifier out of range (m) = manual integration (+) = signals summed

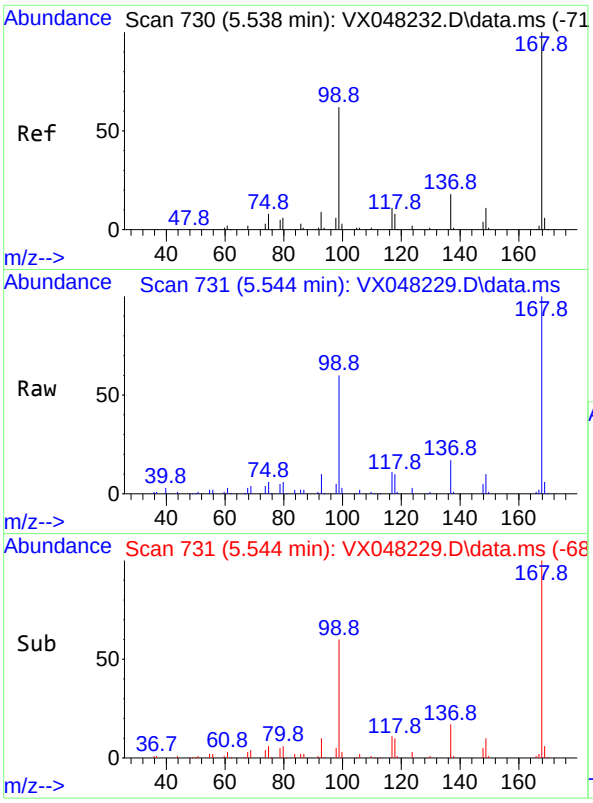
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048229.D
Acq On : 20 Oct 2025 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Oct 25 03:47:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



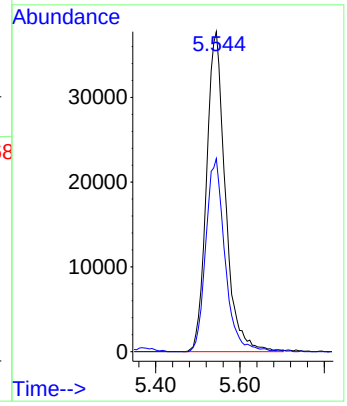


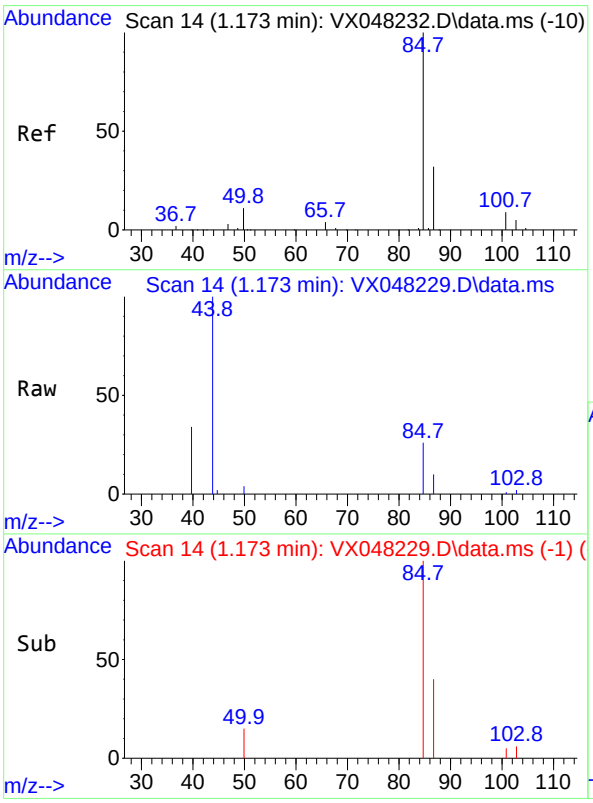

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:168 Resp: 117157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.3 | 46.4 | 69.6 |

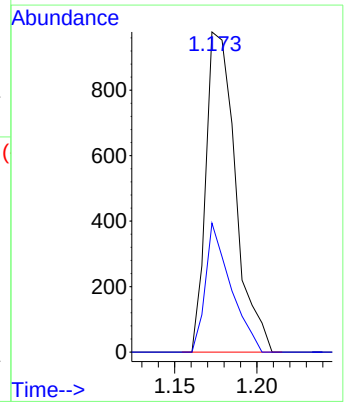


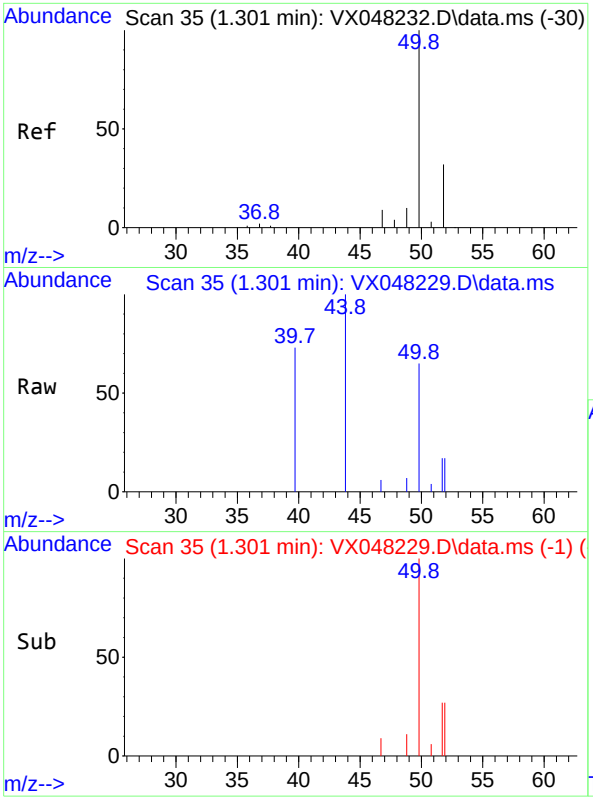




#2
Dichlorodifluoromethane
Concen: 1.015 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 85 Resp: 1223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 40.3 | 15.3 | 45.9 |



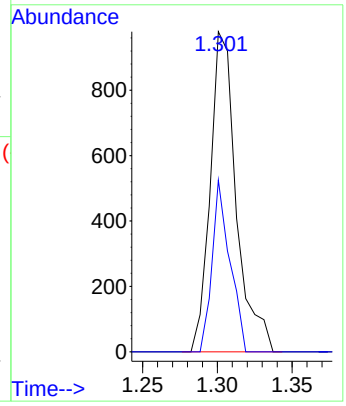


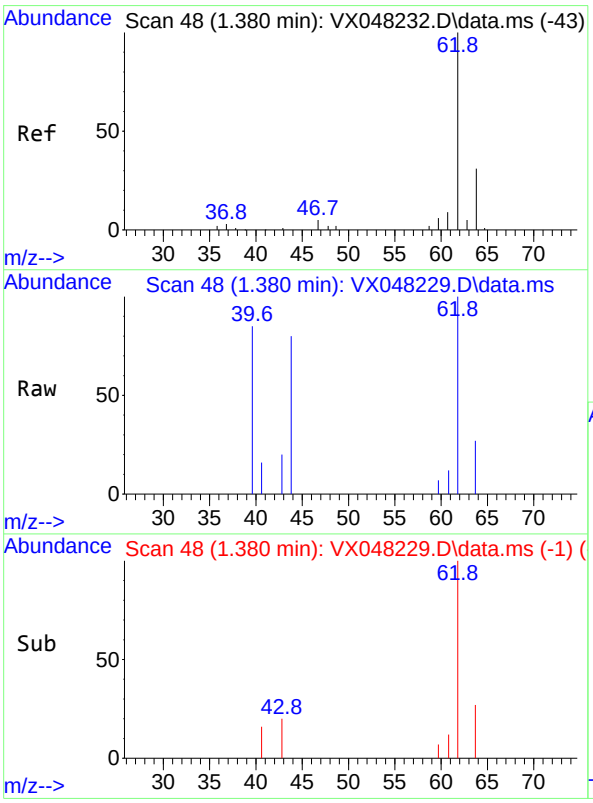

#3
Chloromethane
Concen: 1.055 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 50 Resp: 1186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 53.6 | 25.9 | 38.9# |

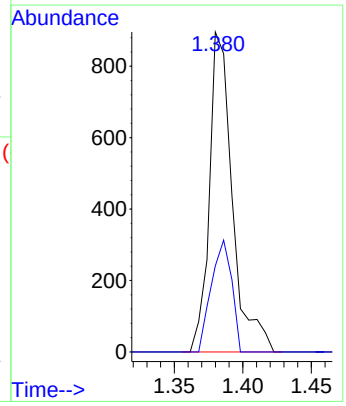


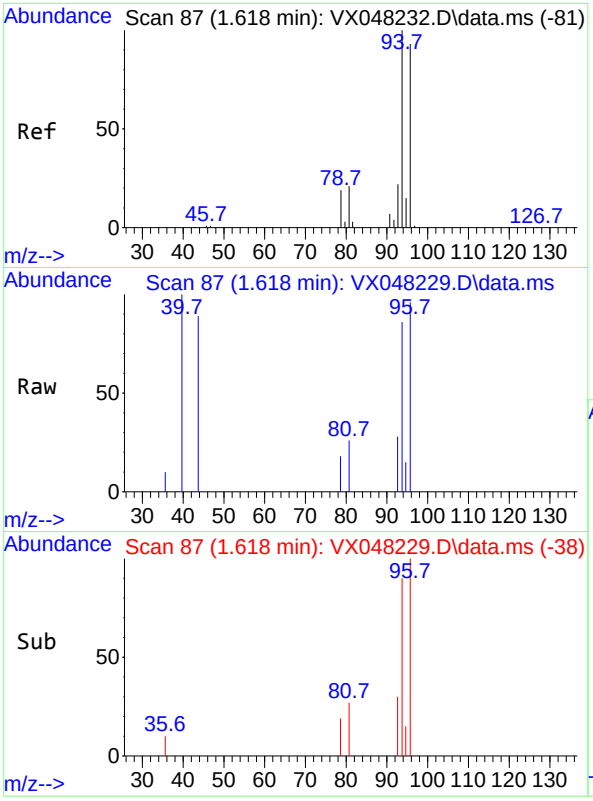




#4
Vinyl Chloride
Concen: 1.007 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 62 Resp: 1048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 26.9 | 25.1 | 37.7 |



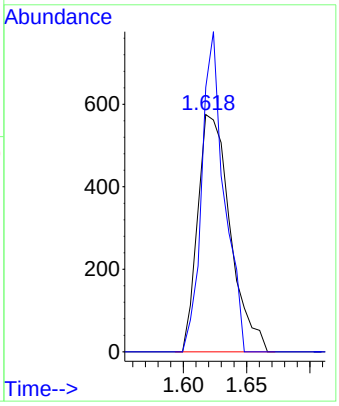


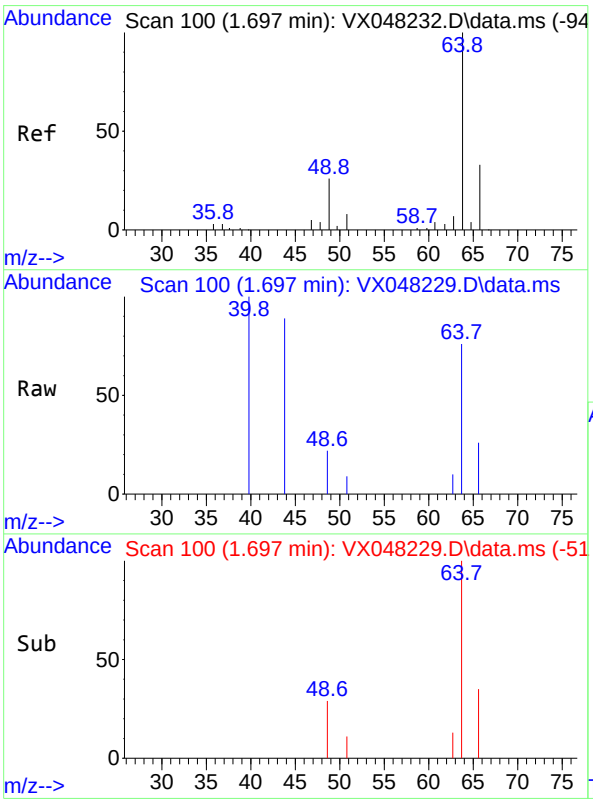

#5
Bromomethane
Concen: 1.455 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 94 Resp: 1028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.4 | 76.0 | 114.0 |

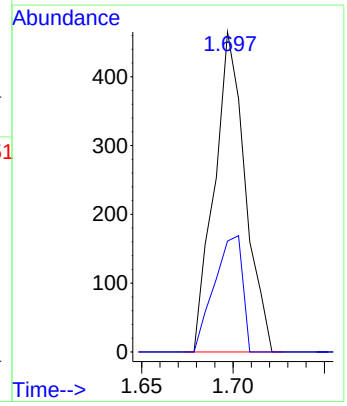


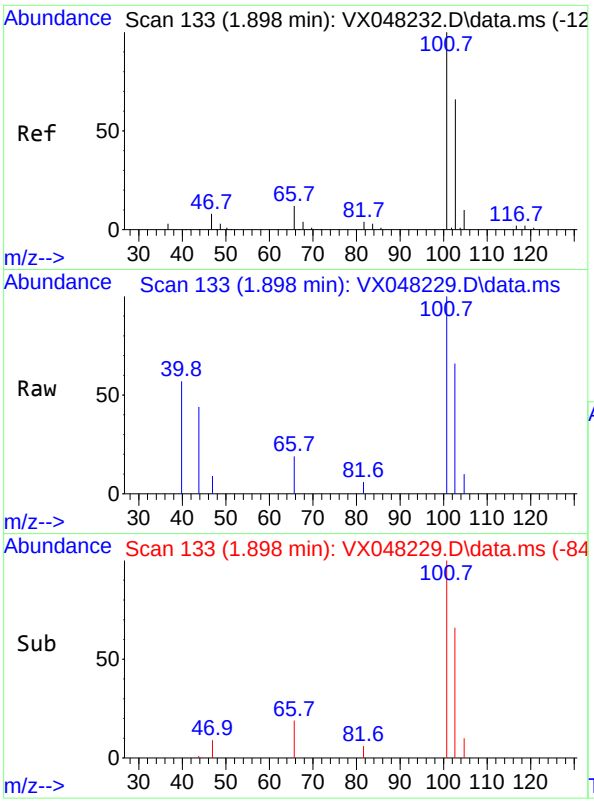




#6
Chloroethane
Concen: 0.891 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 64 Resp: 545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.6 | 23.9 | 35.9 |



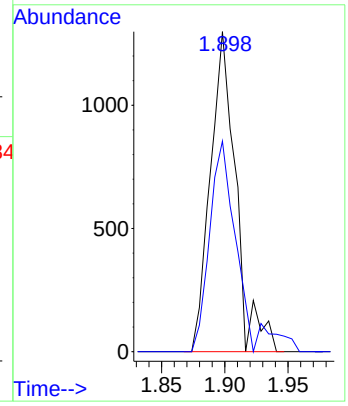


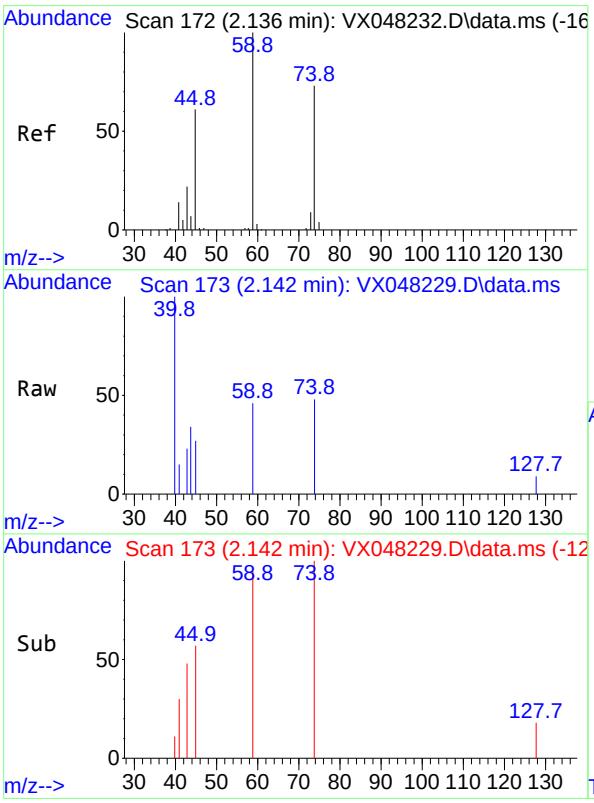

#7
Trichlorofluoromethane
Concen: 0.911 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:101 Resp: 1819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.8 | 51.6 | 77.4 |

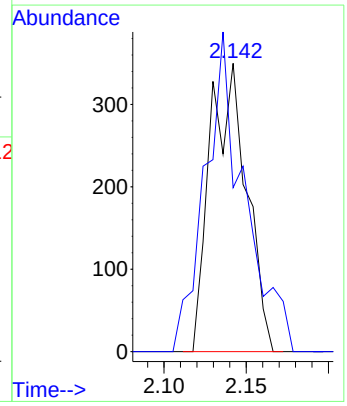


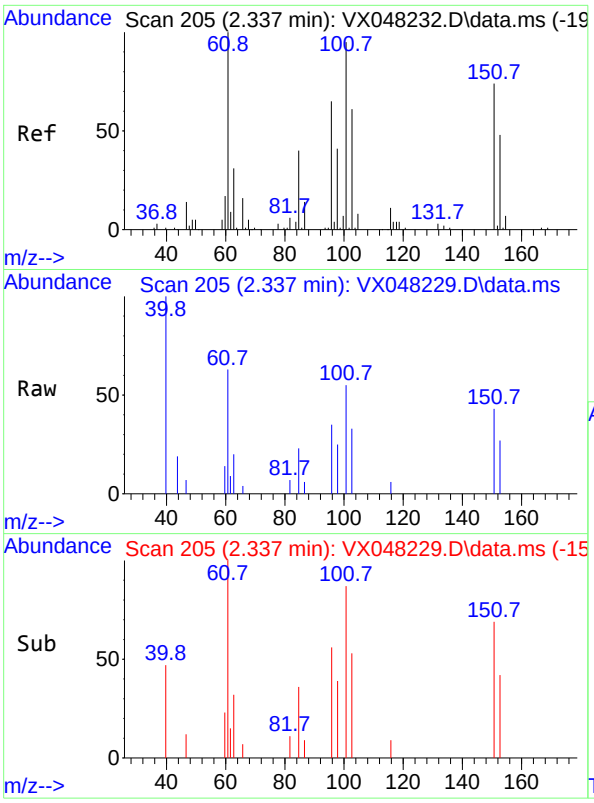




#8
Diethyl Ether
Concen: 0.965 ug/l
RT: 2.142 min Scan# 173
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 74 Resp: 542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 118.5 | 50.0 | 149.8 |



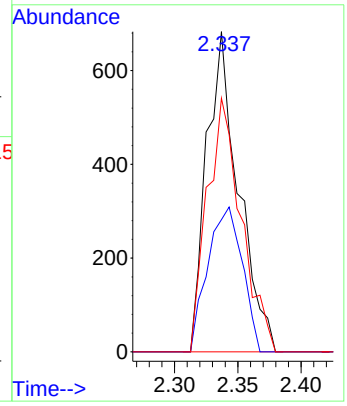


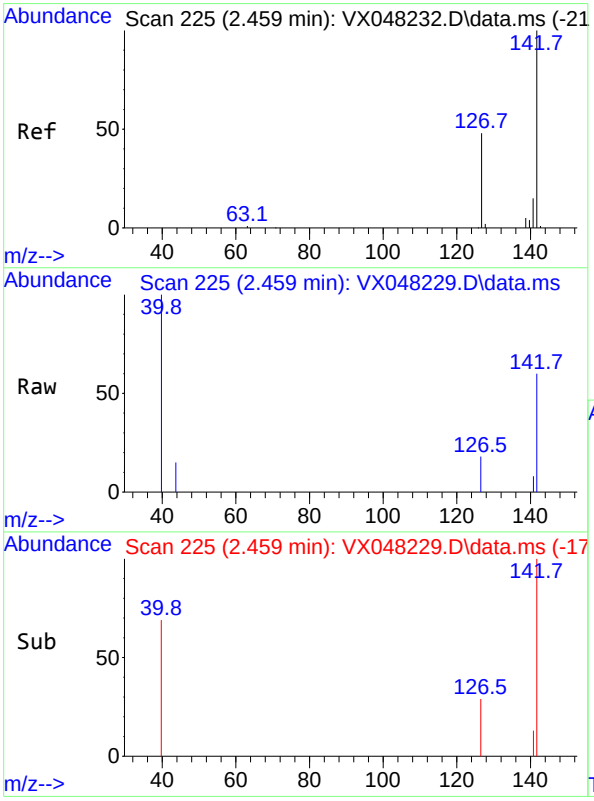

#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.948 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:101 Resp: 1199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.9 | 35.6 | 53.4 |
| 151 | 84.2 | 58.0 | 87.0 |

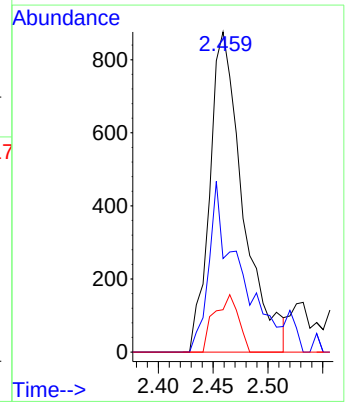


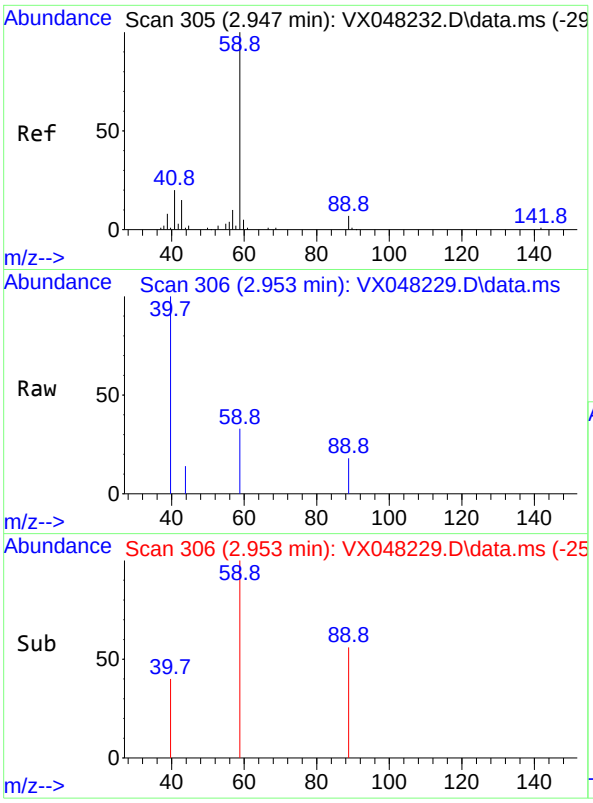




#10
Methyl Iodide
Concen: 1.162 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:142 Resp: 1847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.5 | 38.5 | 57.7 |
| 141 | 12.9 | 11.6 | 17.4 |



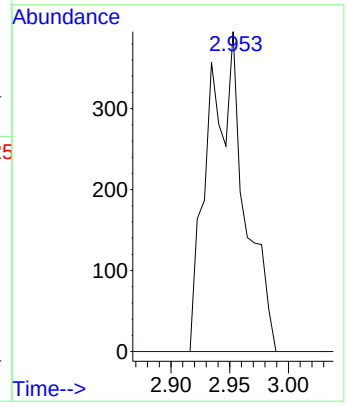


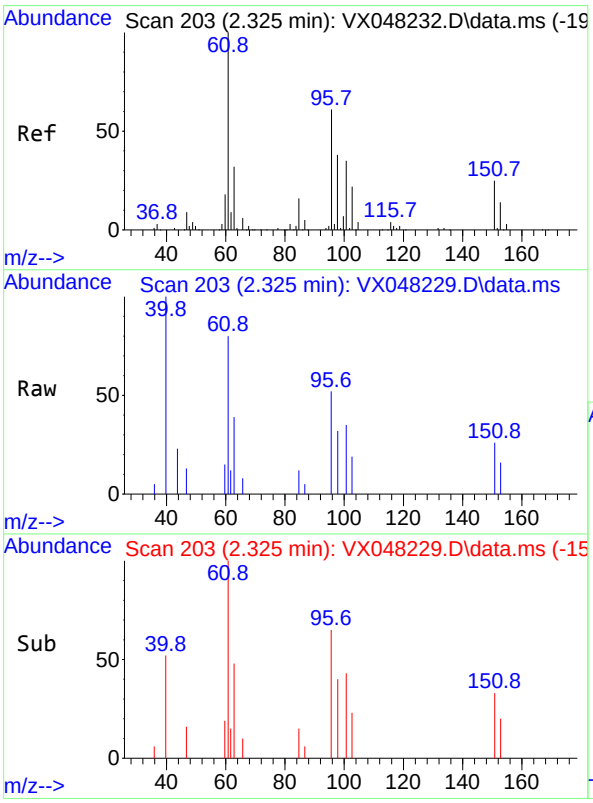

#11
Tert butyl alcohol
Concen: 5.144 ug/l
RT: 2.953 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 59 Resp: 839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.2 | 12.4# |

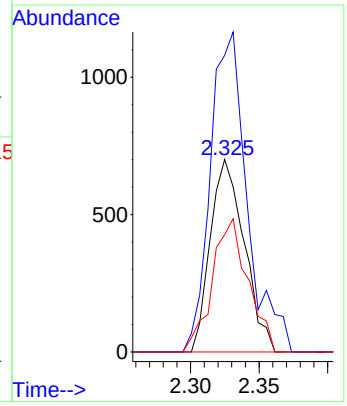


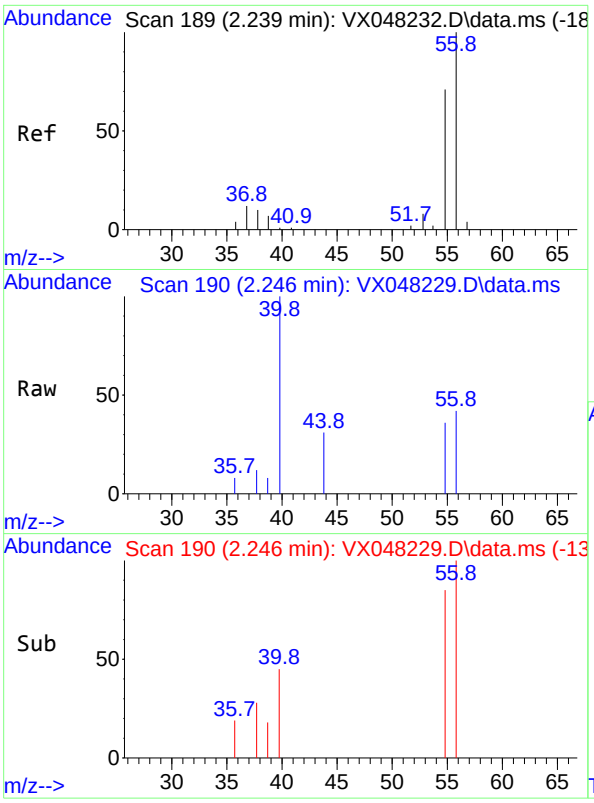




#12
1,1-Dichloroethene
Concen: 0.981 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 96 Resp: 1207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.1 | 139.0 | 208.6 |
| 98 | 60.9 | 52.4 | 78.6 |



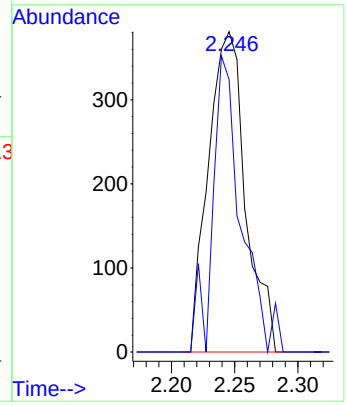


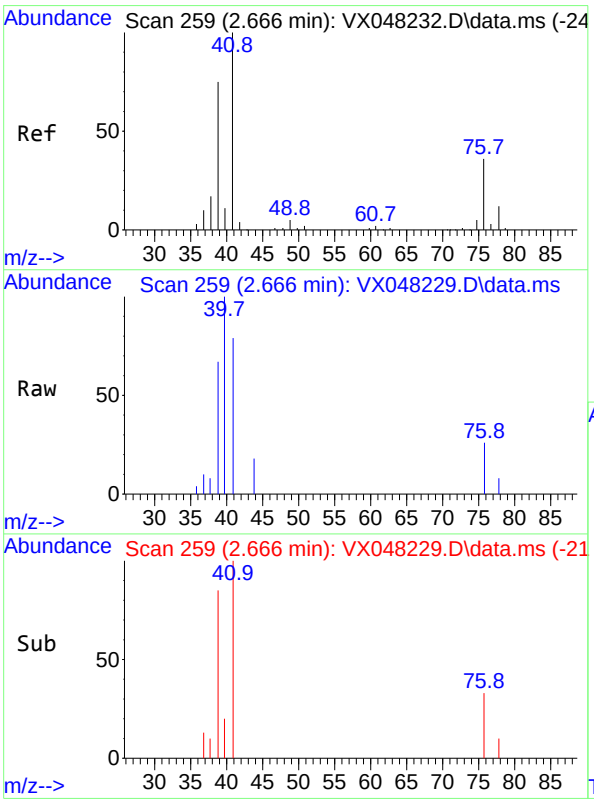

#13
Acrolein
Concen: 4.689 ug/l
RT: 2.246 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 56 Resp: 780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.0 | 56.1 | 84.1 |

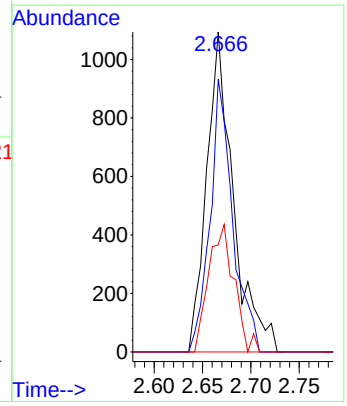


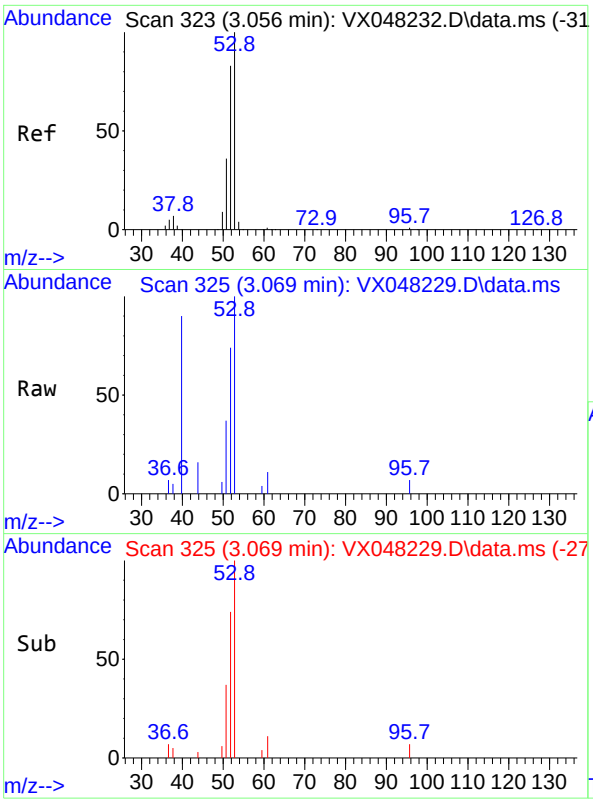




#14
Allyl chloride
Concen: 1.029 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 41 Resp: 2101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.1 | 56.0 | 84.0 |
| 76 | 37.8 | 27.5 | 41.3 |



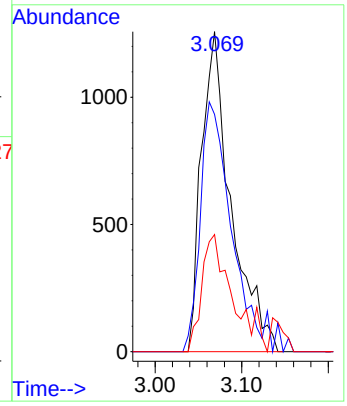


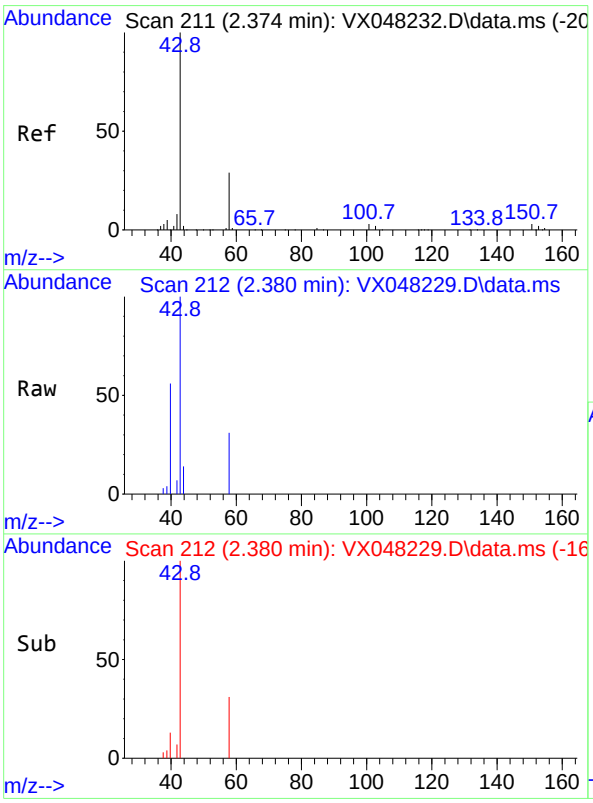

#15
Acrylonitrile
Concen: 5.074 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 53 Resp: 2984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.3 | 66.1 | 99.1 |
| 51 | 37.8 | 29.0 | 43.4 |

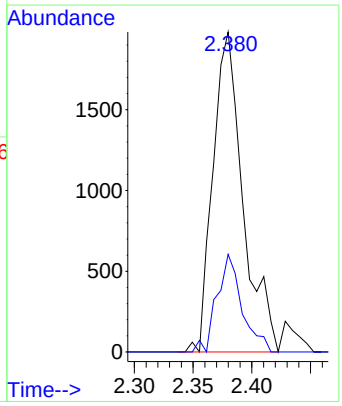


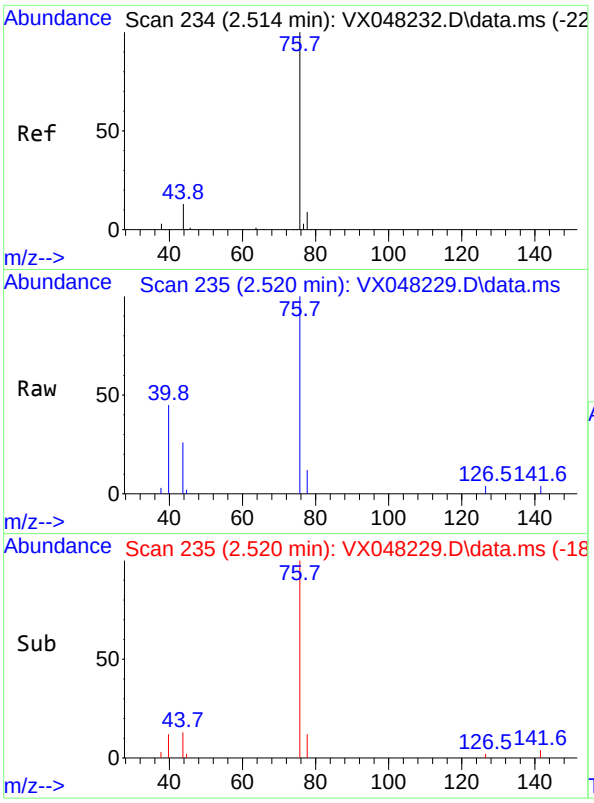




#16
Acetone
Concen: 6.245 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 3519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.5 | 23.4 | 35.2 |



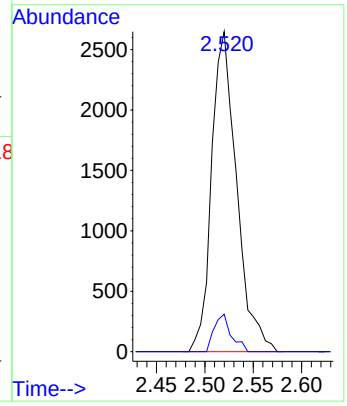


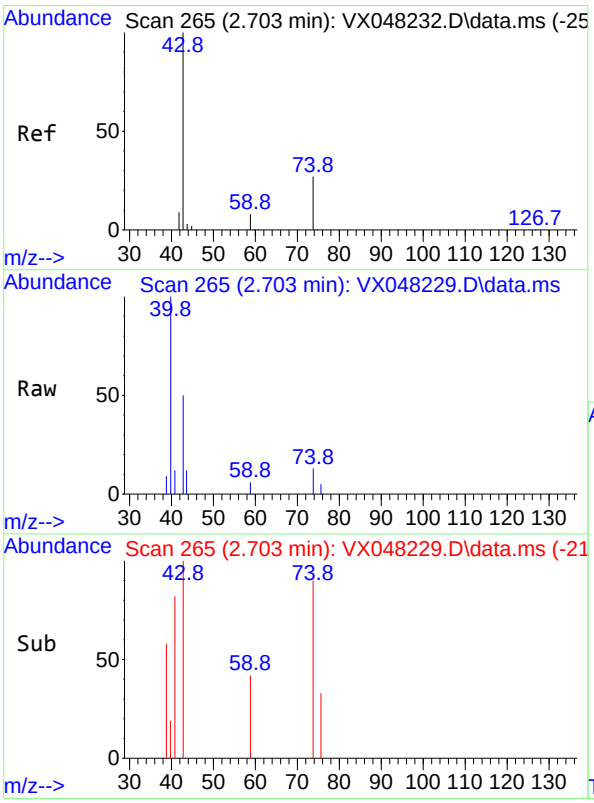

#17
Carbon Disulfide
Concen: 1.230 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 76 Resp: 4767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 11.7 | 7.1 | 10.7# |

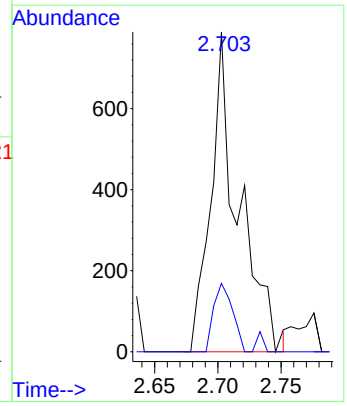


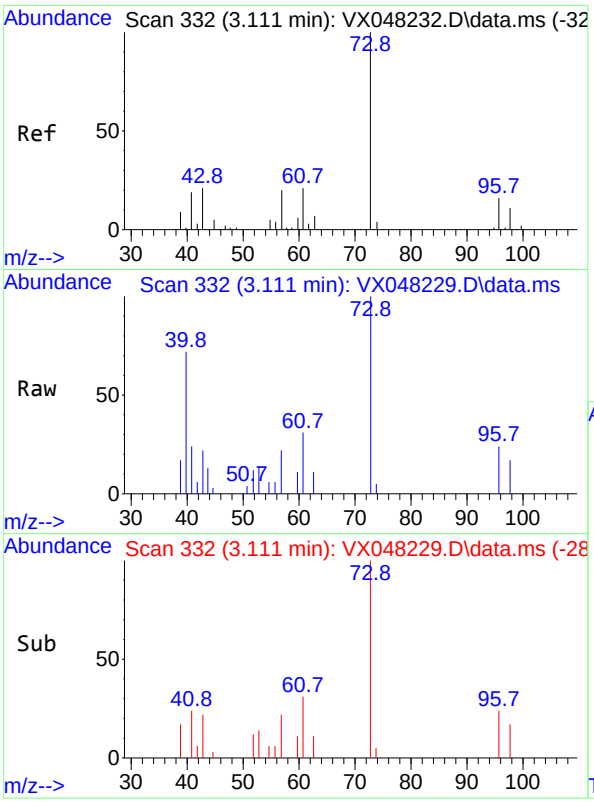




#18
Methyl Acetate
Concen: 1.023 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 1204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 14.6 | 17.5 | 26.3# |



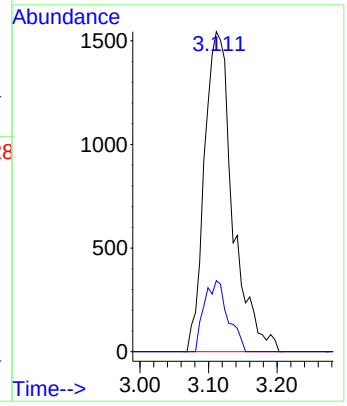


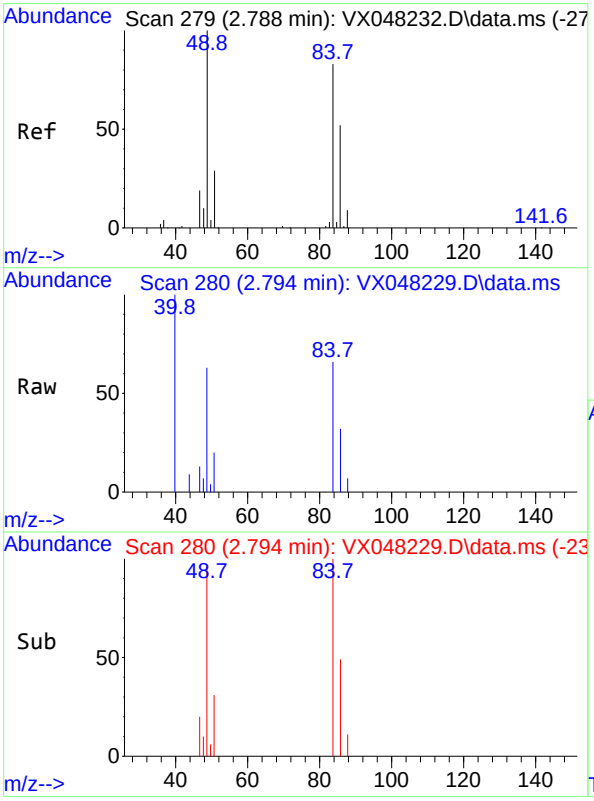

#19
Methyl tert-butyl Ether
Concen: 1.057 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 73 Resp: 4437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.7 | 26.5 |

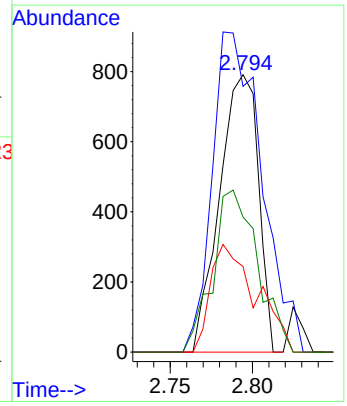


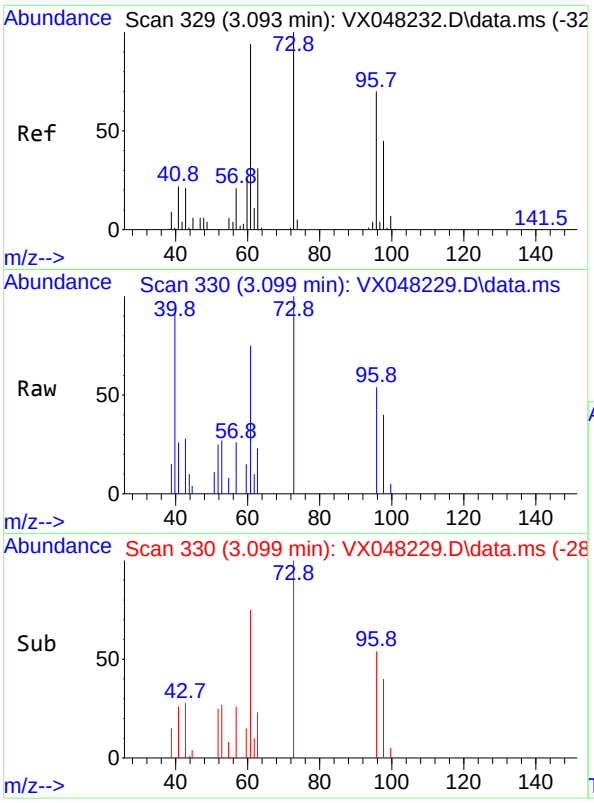




#20
Methylene Chloride
Concen: 0.948 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 84 Resp: 1301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 95.8 | 104.1 | 156.1# |
| 51 | 30.8 | 31.3 | 46.9# |
| 86 | 48.7 | 51.3 | 76.9# |



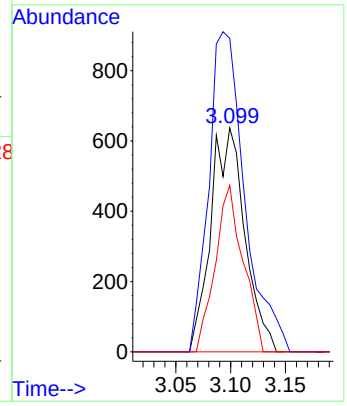


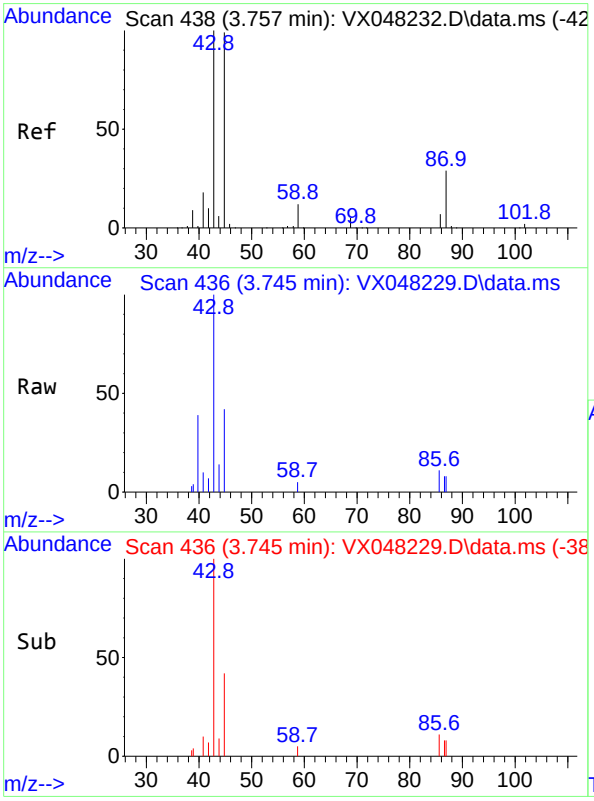

#21
trans-1,2-Dichloroethene
Concen: 1.018 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 96 Resp: 1376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.0 | 111.9 | 167.9 |
| 98 | 74.4 | 51.2 | 76.8 |

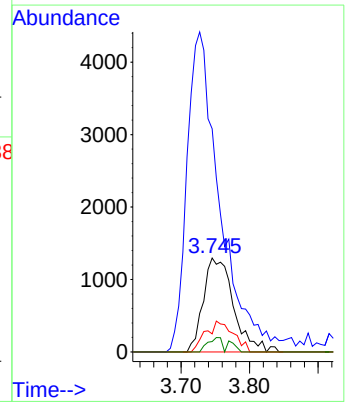


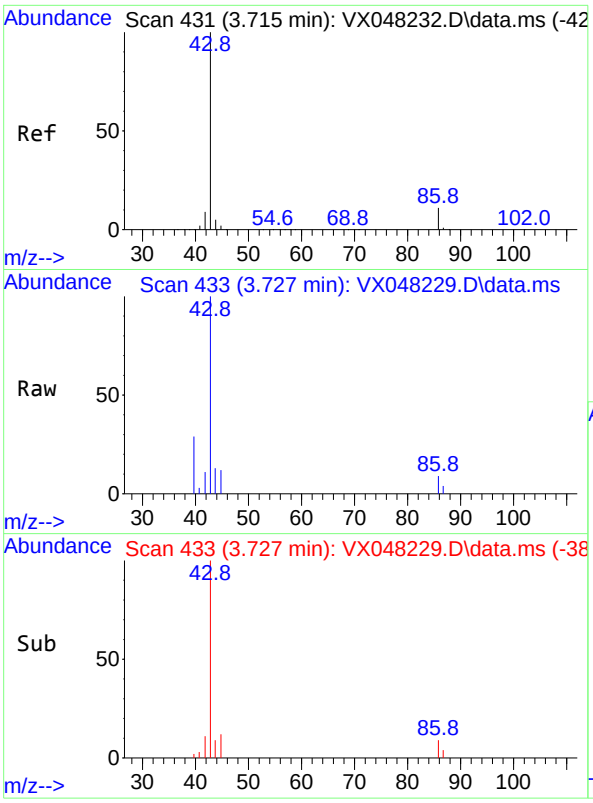




#22
Diisopropyl ether
Concen: 0.976 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 45 Resp: 3977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 213.9 | 89.8 | 134.8# |
| 87 | 19.2 | 20.6 | 31.0# |
| 59 | 11.0 | 9.1 | 13.7 |



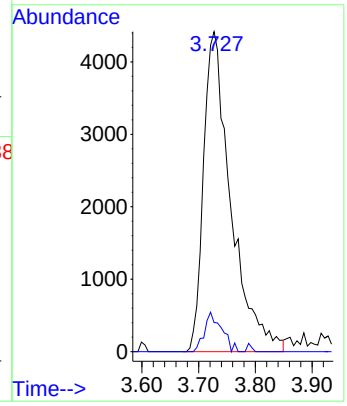


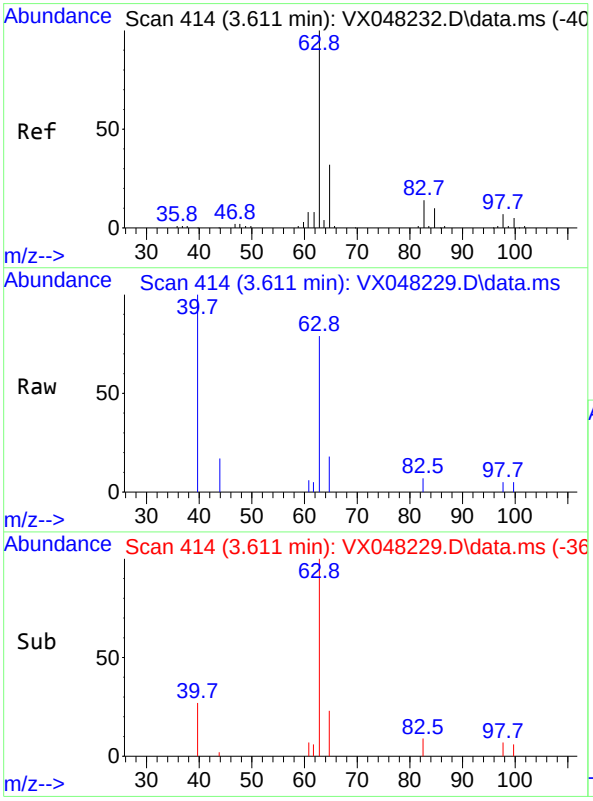

#23
Vinyl Acetate
Concen: 4.539 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 43 Resp: 14769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.8 | 7.9 | 11.9 |

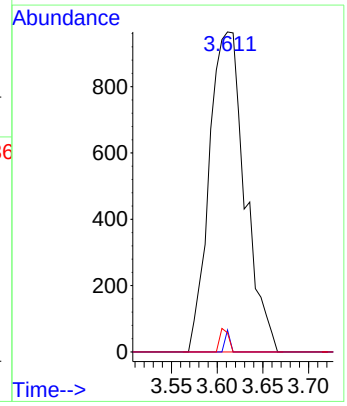


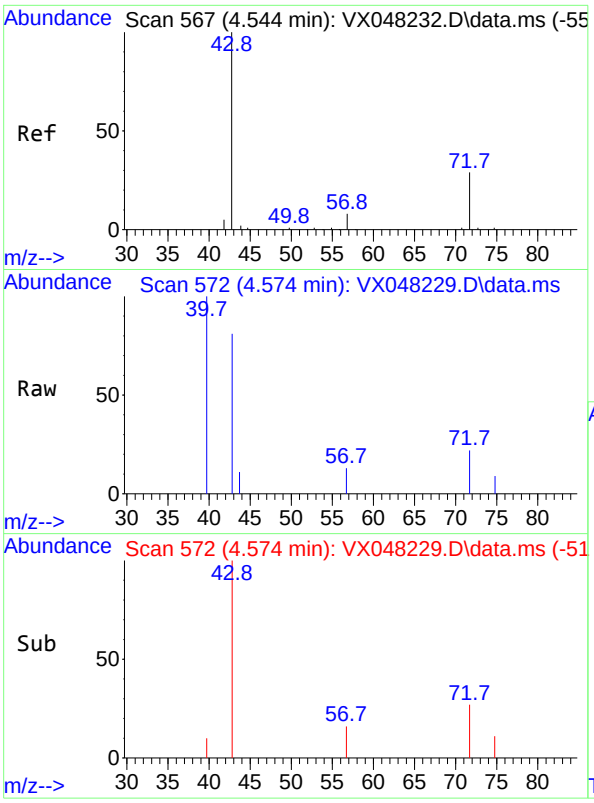




#24
1,1-Dichloroethane
Concen: 1.062 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 63 Resp: 2615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.5 | 10.6 |
| 100 | 6.0 | 2.1 | 6.3 |



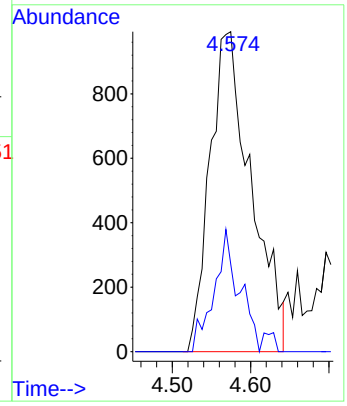


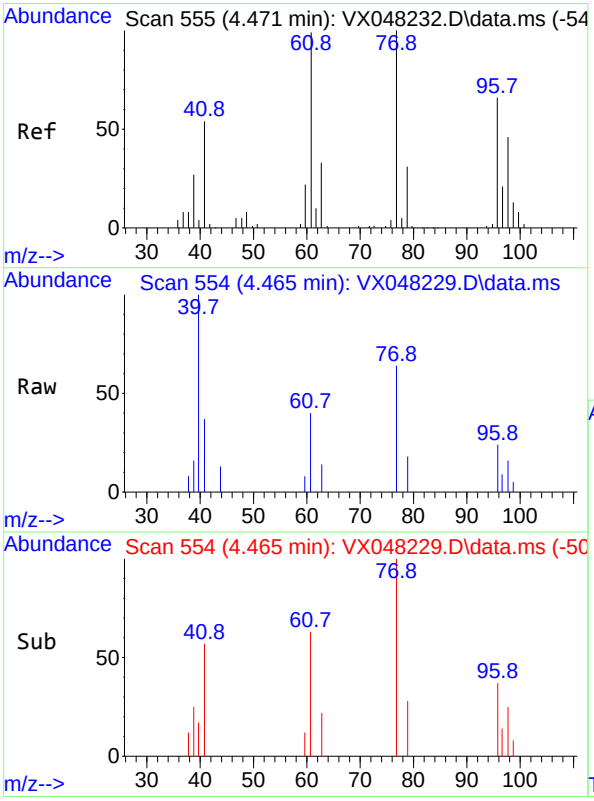

#25
2-Butanone
Concen: 5.100 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.037 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 43 Resp: 3638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.0 | 19.9 | 29.9 |

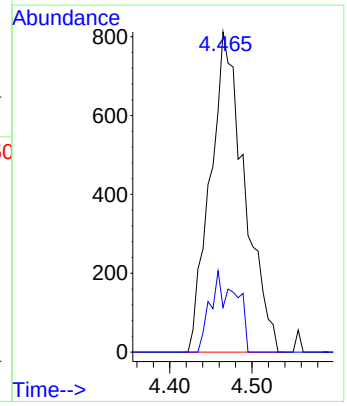


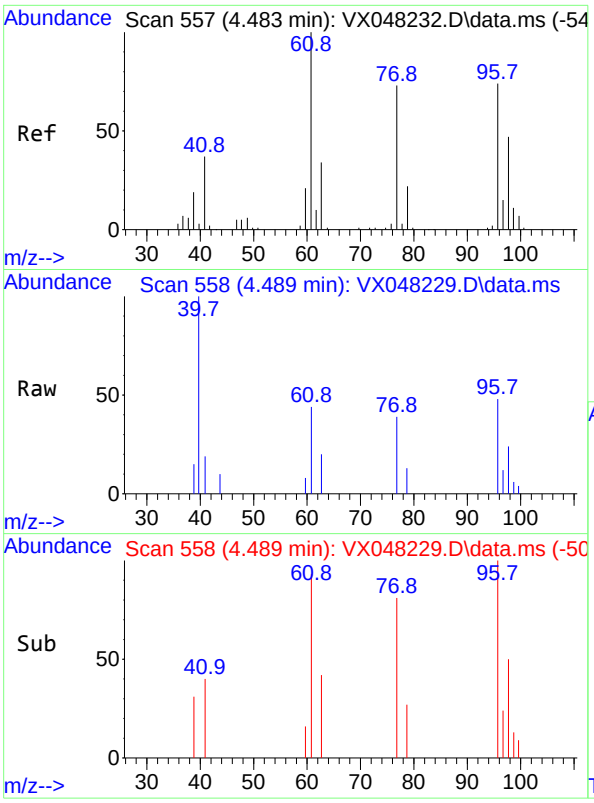




#26
2,2-Dichloropropane
Concen: 1.056 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 77 Resp: 2347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 14.3 | 11.1 | 33.3 |



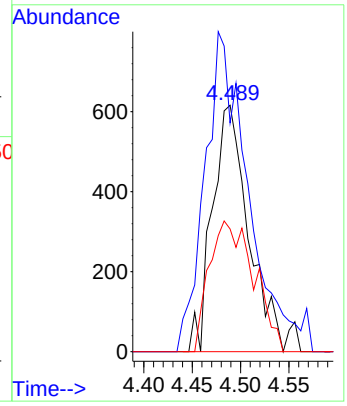


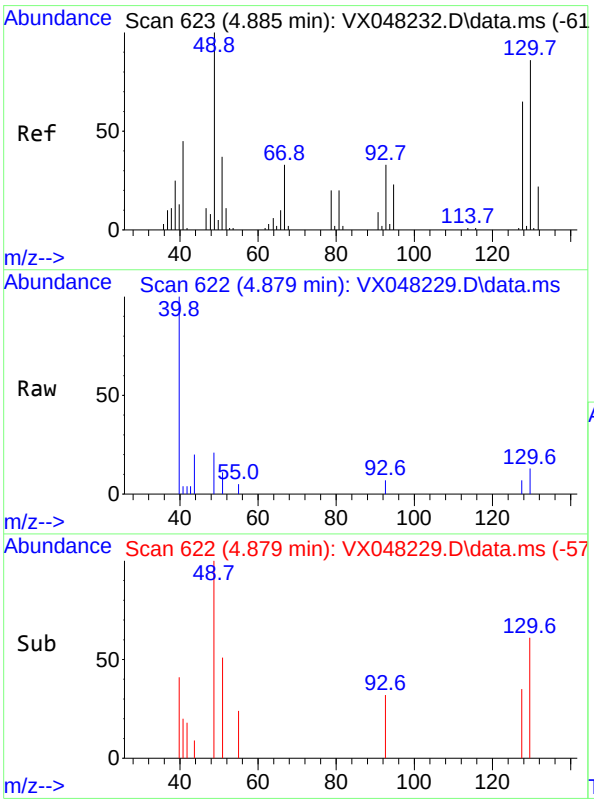

#27
cis-1,2-Dichloroethene
Concen: 1.013 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 96 Resp: 1598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.9 | 0.0 | 294.2 |
| 98 | 65.8 | 0.0 | 128.4 |

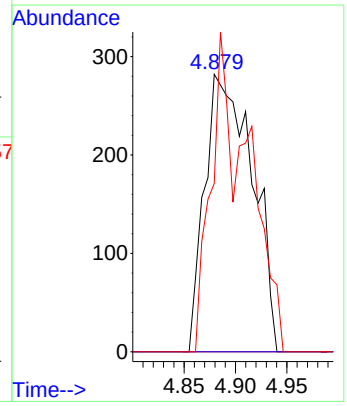


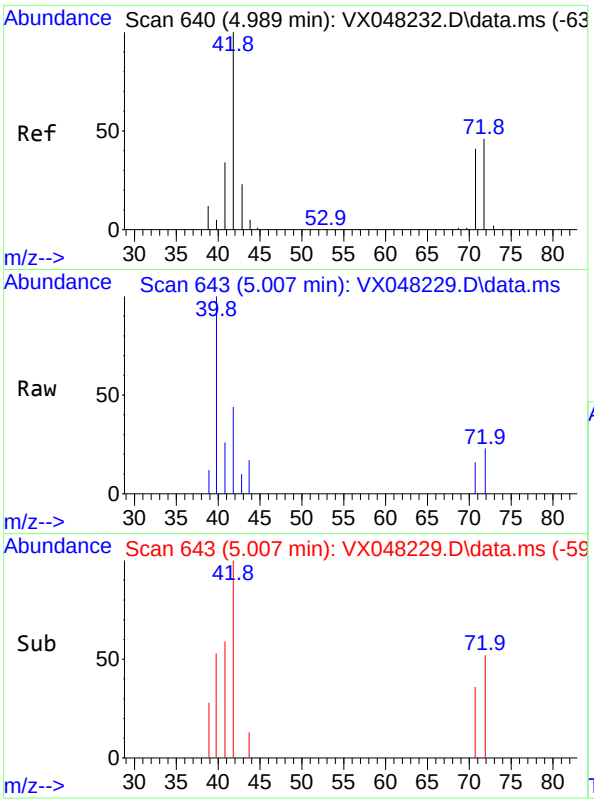




#28
Bromochloromethane
Concen: 0.889 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 49 Resp: 908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.4 |
| 130 | 47.0 | 59.3 | 88.9# |



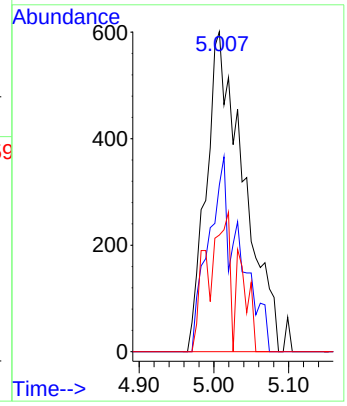


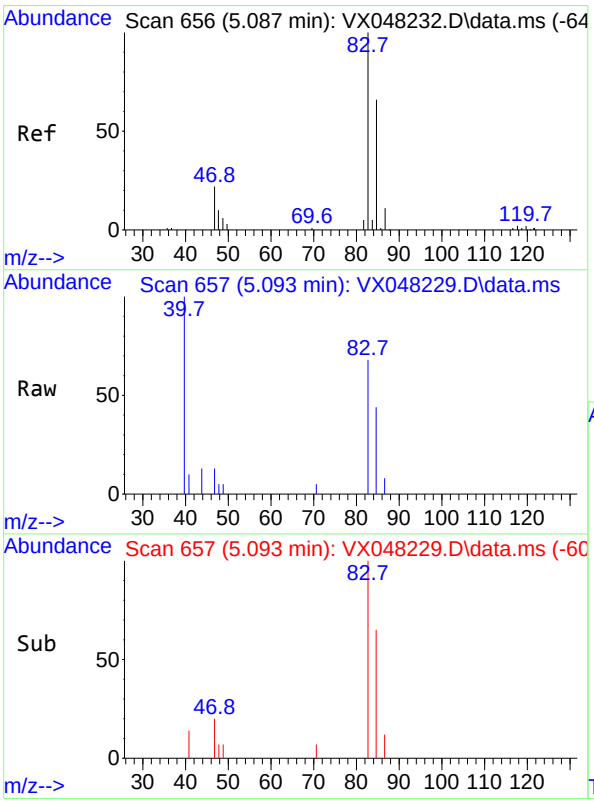

#29
Tetrahydrofuran
Concen: 4.888 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 42 Resp: 2088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 34.1 | 35.3 | 52.9# |
| 71 | 16.2 | 32.2 | 48.4# |

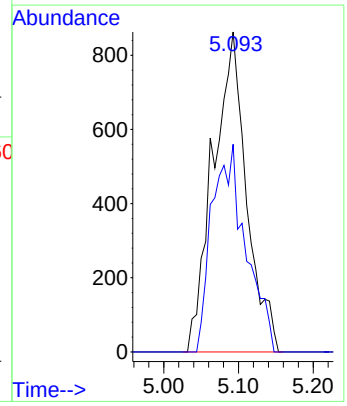


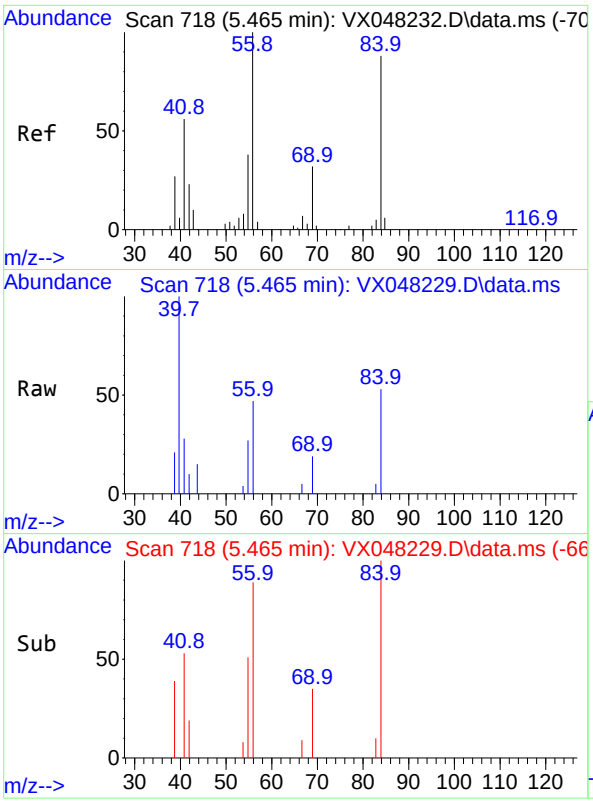




#30
Chloroform
Concen: 1.022 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 83 Resp: 2688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 50.1 | 75.1 |



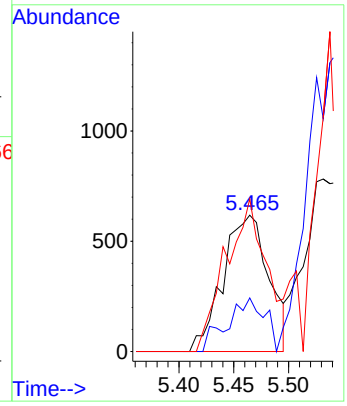


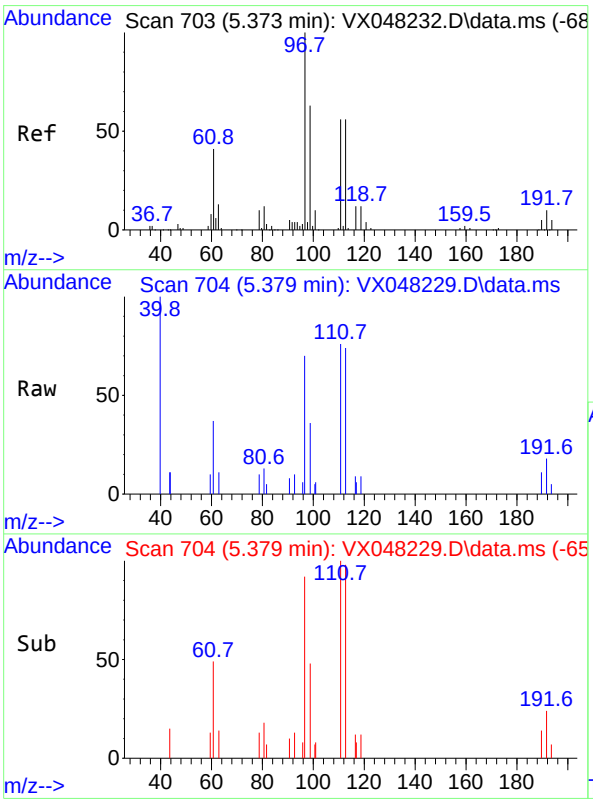

#31
Cyclohexane
Concen: 0.881 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 56 Resp: 1796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 39.3 | 23.0 | 34.6# |
| 84 | 112.0 | 64.6 | 97.0# |

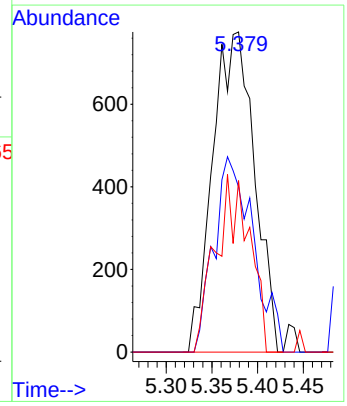


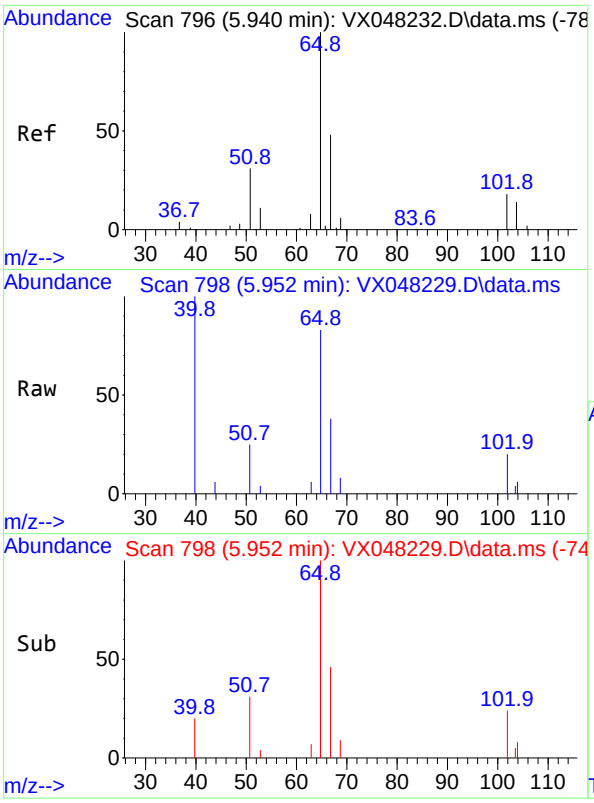




#32
1,1,1-Trichloroethane
Concen: 1.014 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 97 Resp: 2459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 51.7 | 77.5# |
| 61 | 44.9 | 34.8 | 52.2 |



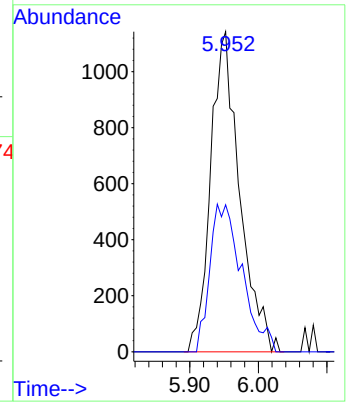


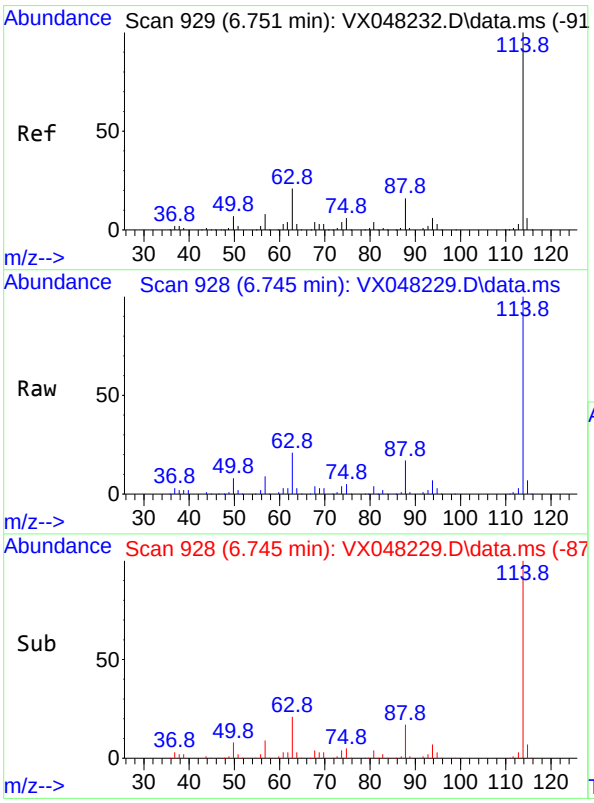

#33
1,2-Dichloroethane-d4
Concen: 2.047 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 65 Resp: 3362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 105.0 |

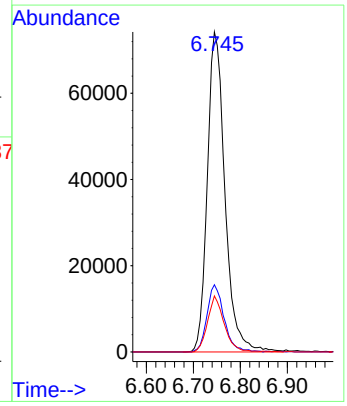


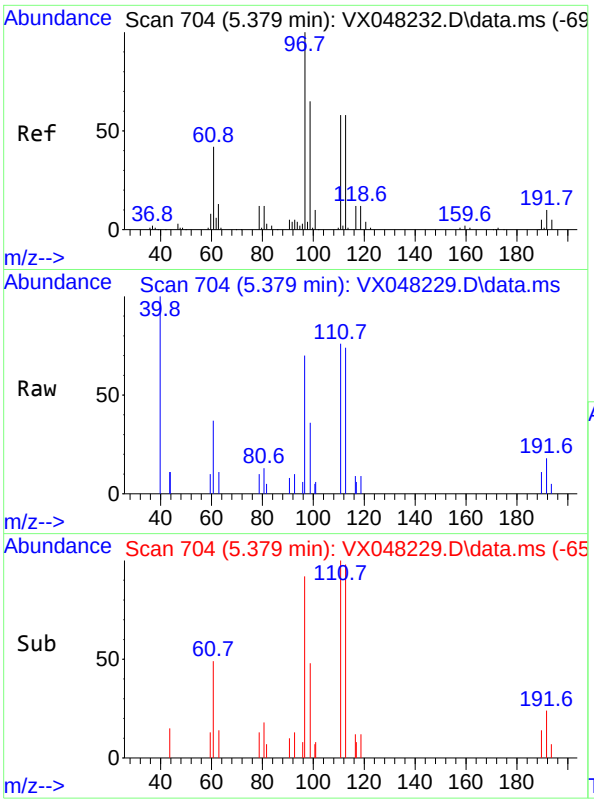




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:114 Resp: 193186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 43.2 |
| 88 | 17.5 | 0.0 | 33.6 |



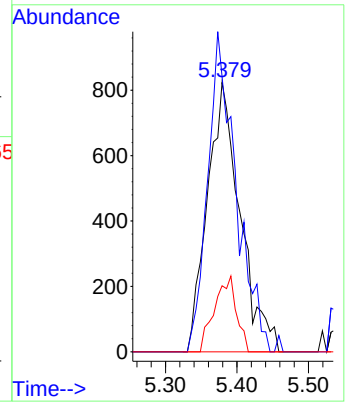


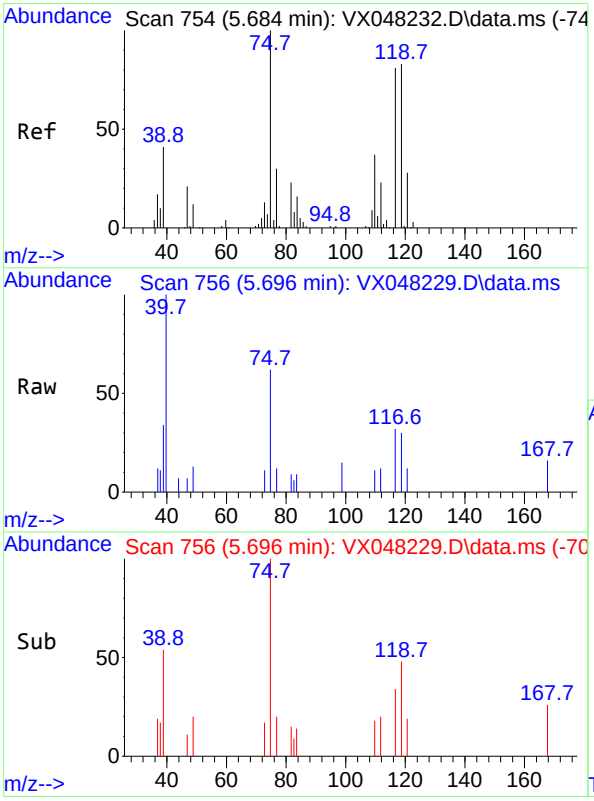

#35
Dibromofluoromethane
Concen: 1.983 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:113 Resp: 2615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 82.2 | 123.4 |
| 192 | 18.8 | 15.1 | 22.7 |

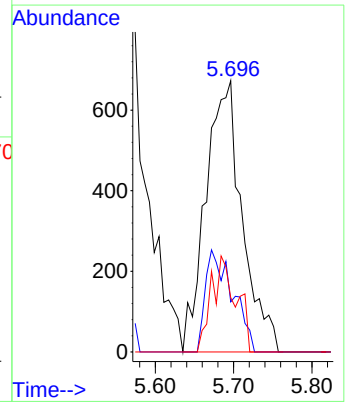


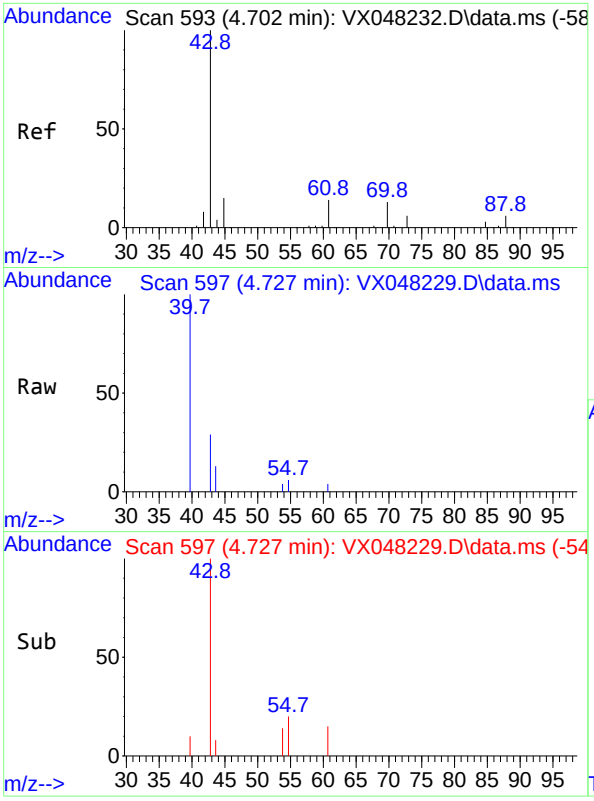




#36
1,1-Dichloropropene
Concen: 1.159 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 75 Resp: 2173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 17.7 | 53.1# |
| 77 | 23.9 | 24.3 | 36.5# |



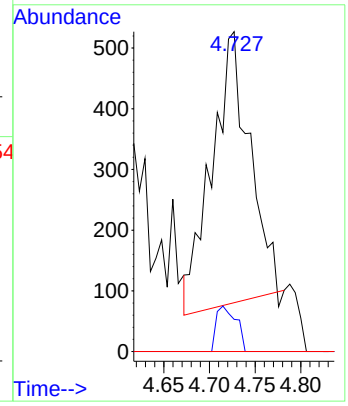


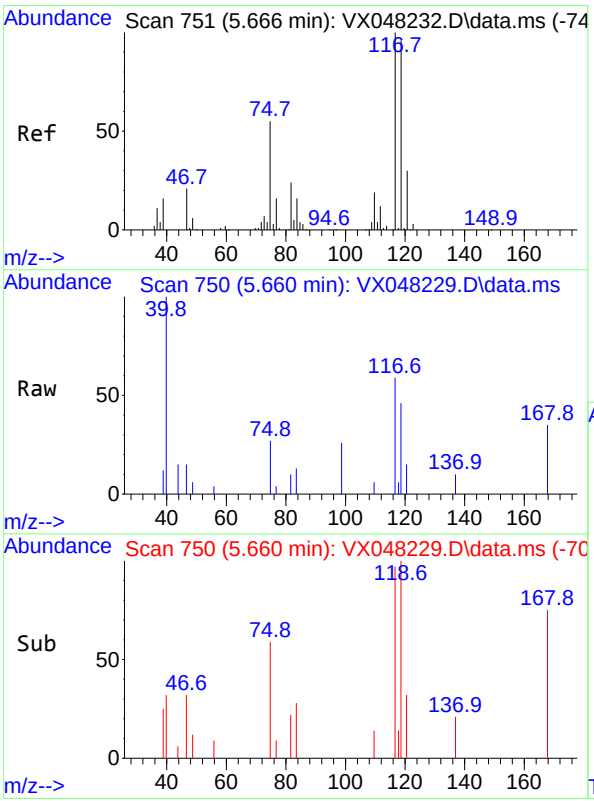

#37
Ethyl Acetate
Concen: 0.827 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.031 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 43 Resp: 1285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 8.8 | 10.6 | 15.8# |
| 70 | 0.0 | 7.8 | 11.6# |

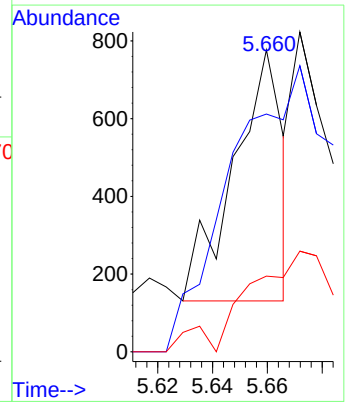


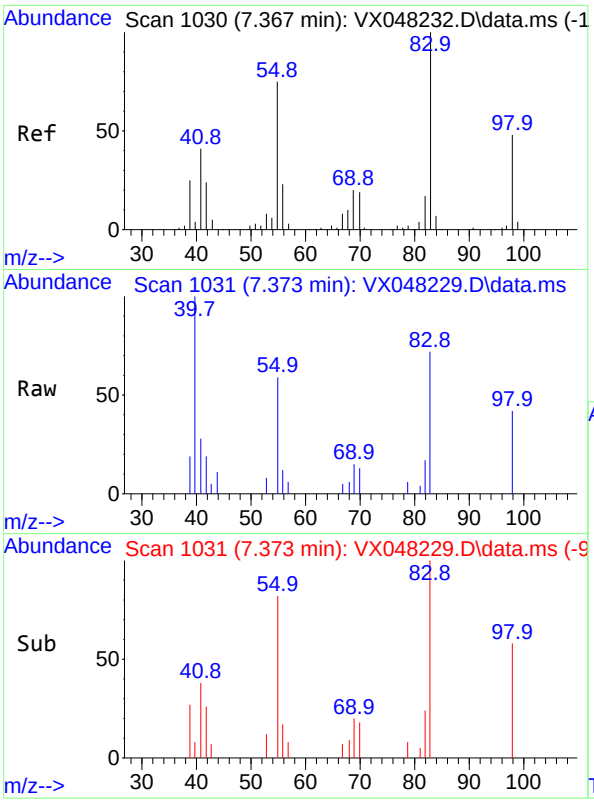




#38
Carbon Tetrachloride
Concen: 0.347 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:117 Resp: 802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 71.7 | 77.2 | 115.8# |
| 121 | 22.4 | 24.8 | 37.2# |



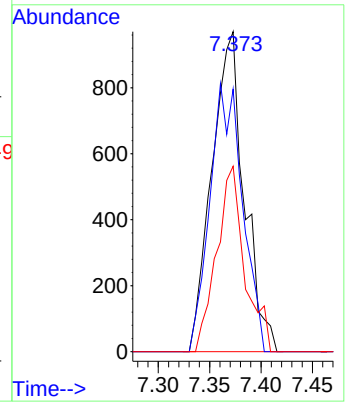


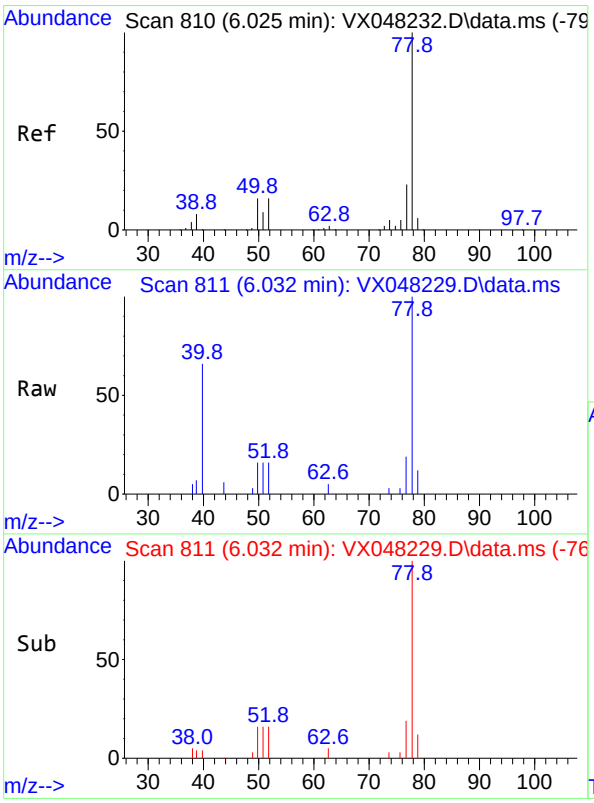

#39
Methylcyclohexane
Concen: 0.961 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 83 Resp: 2128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 82.1 | 66.2 | 99.2 |
| 98 | 57.9 | 38.9 | 58.3 |

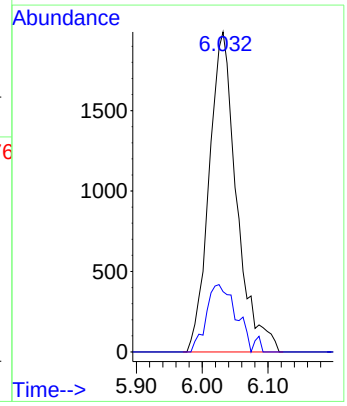


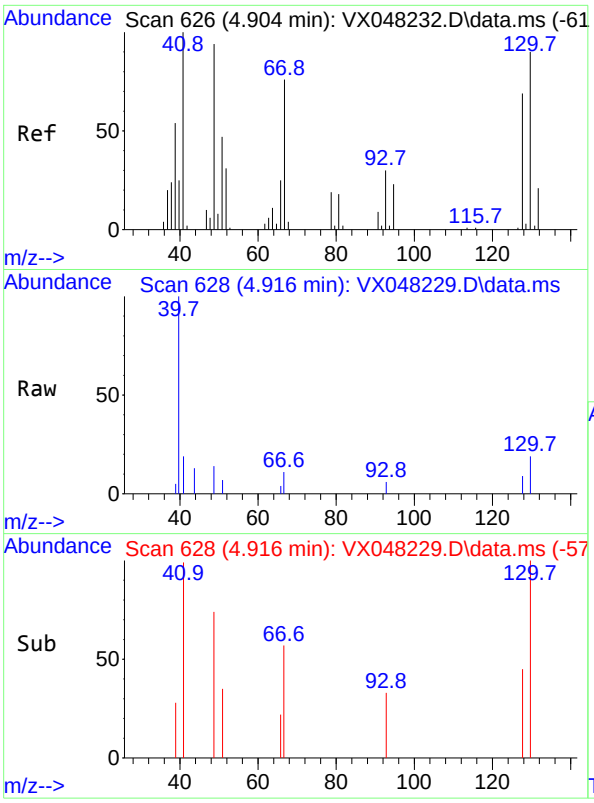




#40
Benzene
Concen: 1.060 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 78 Resp: 5767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 18.9 | 19.3 | 28.9# |



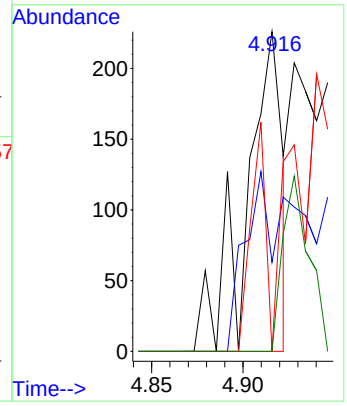


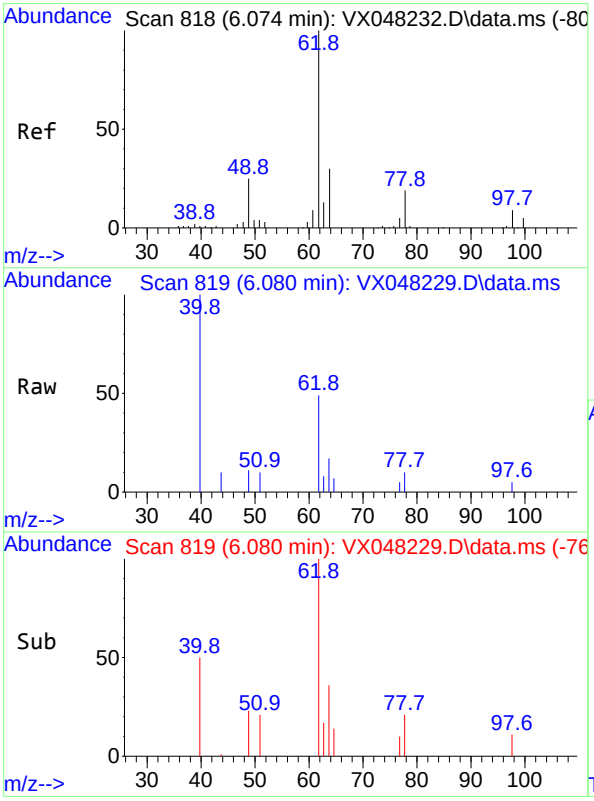

#41
Methacrylonitrile
Concen: 0.382 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 41 Resp: 312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 40.4 | 44.0 | 66.0# |
| 67 | 29.2 | 58.7 | 88.1# |
| 52 | 39.4 | 25.9 | 38.9# |

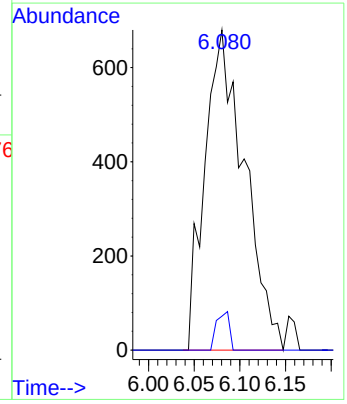


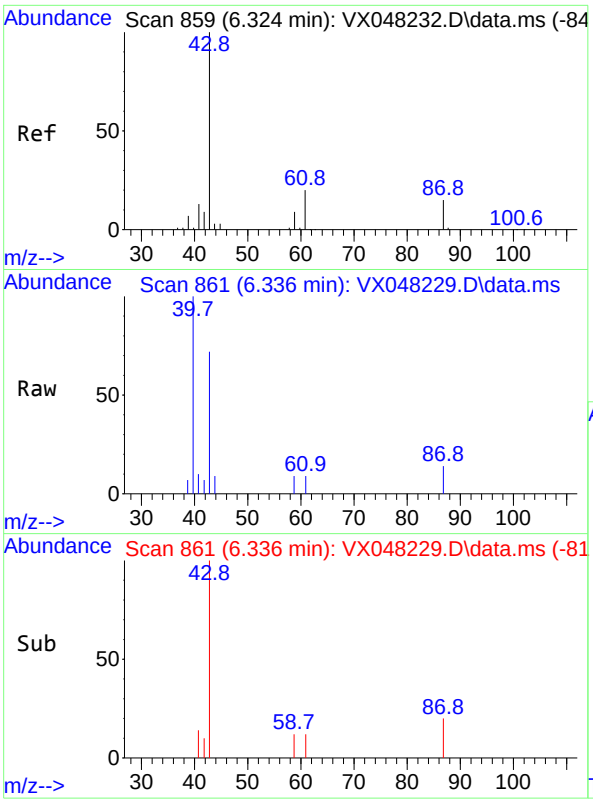




#42
1,2-Dichloroethane
Concen: 1.018 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 62 Resp: 2044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 3.9 | 0.0 | 17.2 |



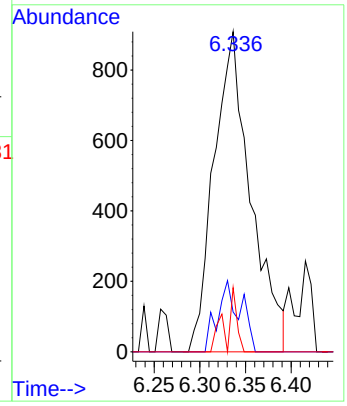


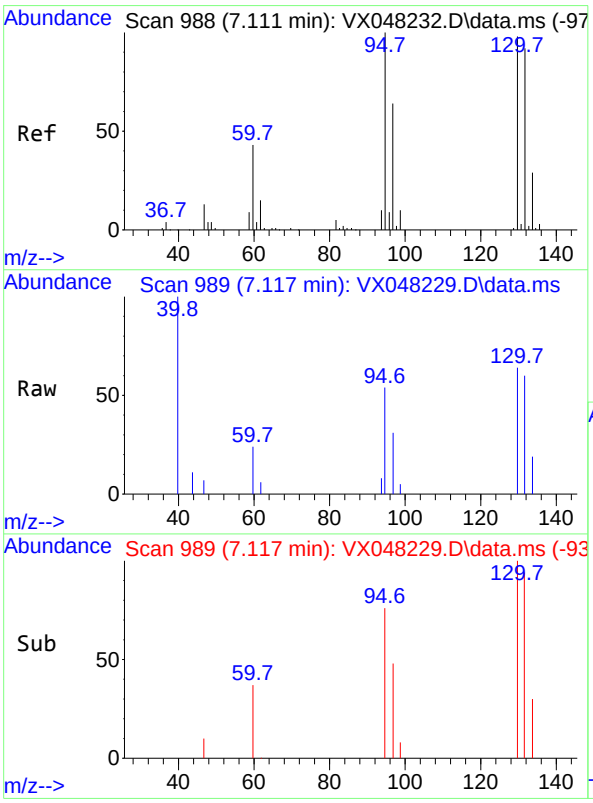

#43
Isopropyl Acetate
Concen: 0.998 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 43 Resp: 2548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.8 | 14.9 | 22.3# |
| 87 | 3.4 | 9.4 | 14.2# |

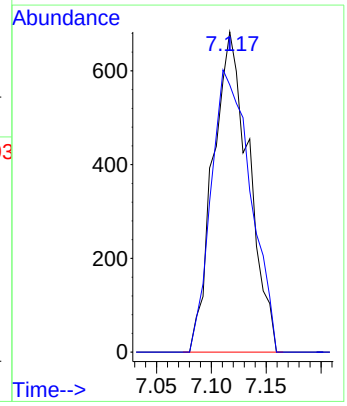


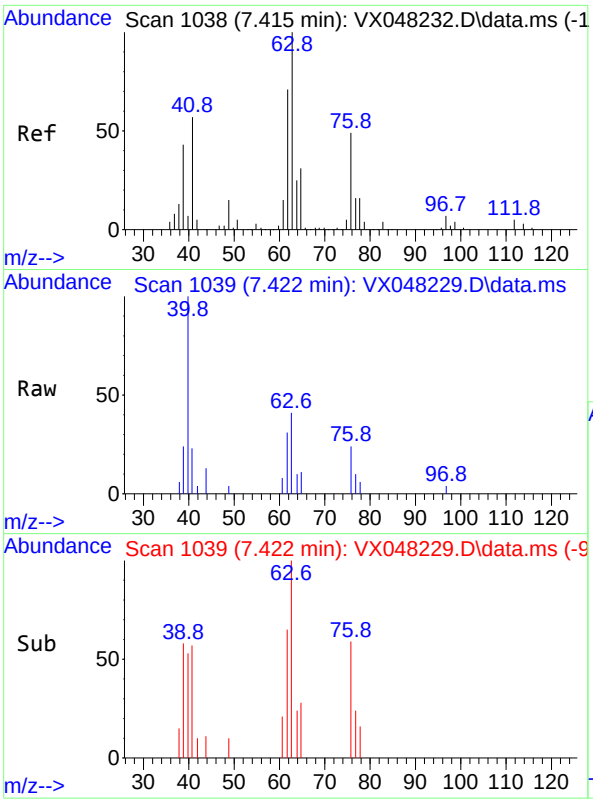




#44
Trichloroethene
Concen: 1.076 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:130 Resp: 1547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 83.5 | 0.0 | 200.6 |



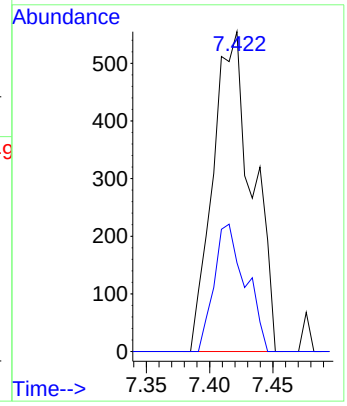


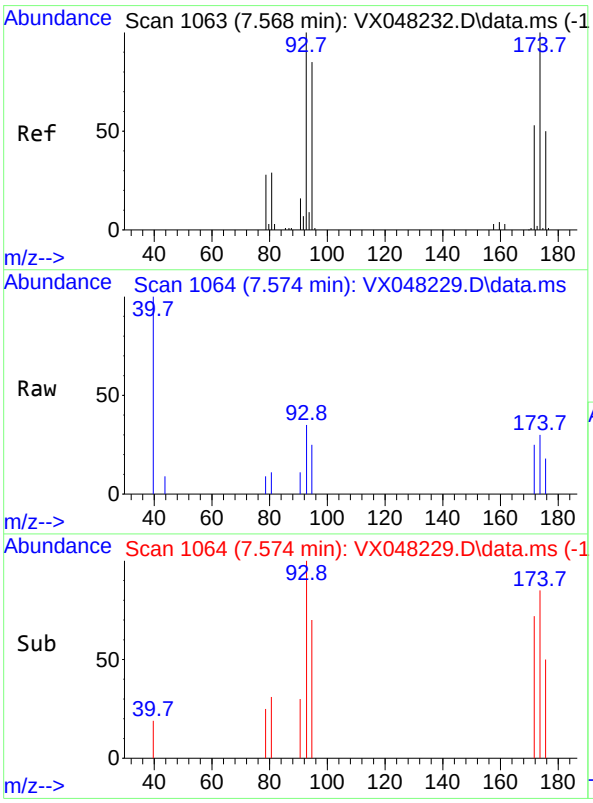

#45
1,2-Dichloropropane
Concen: 0.924 ug/l
RT: 7.422 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 63 Resp: 1195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 27.7 | 24.1 | 36.1 |

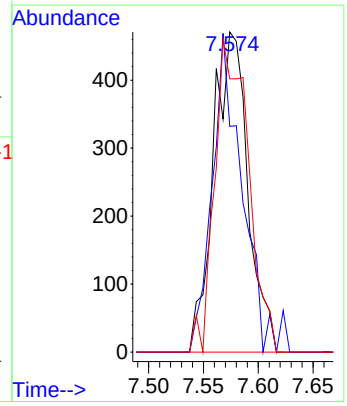


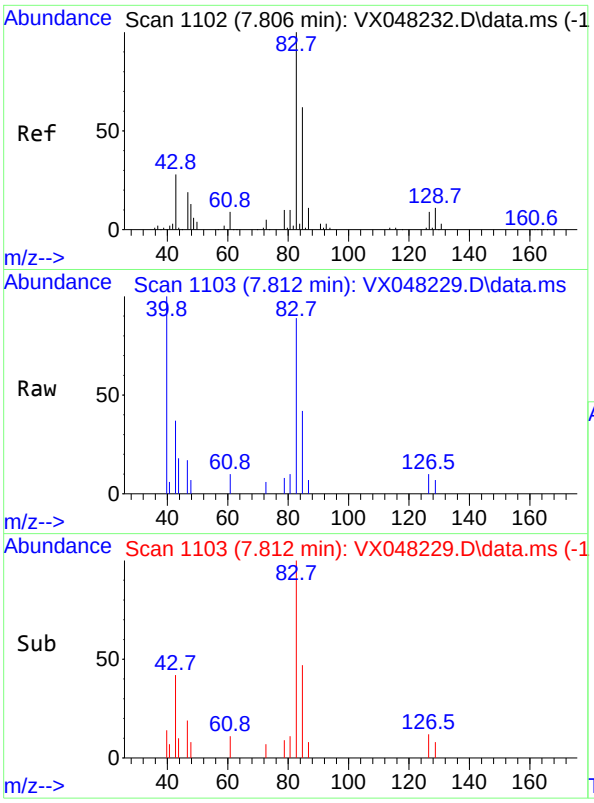




#46
Dibromomethane
Concen: 1.024 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 93 Resp: 1032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 86.4 | 65.9 | 98.9 |
| 174 | 95.3 | 71.7 | 107.5 |



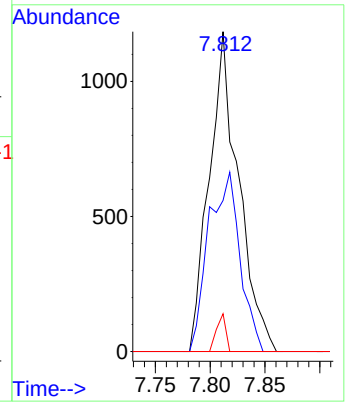


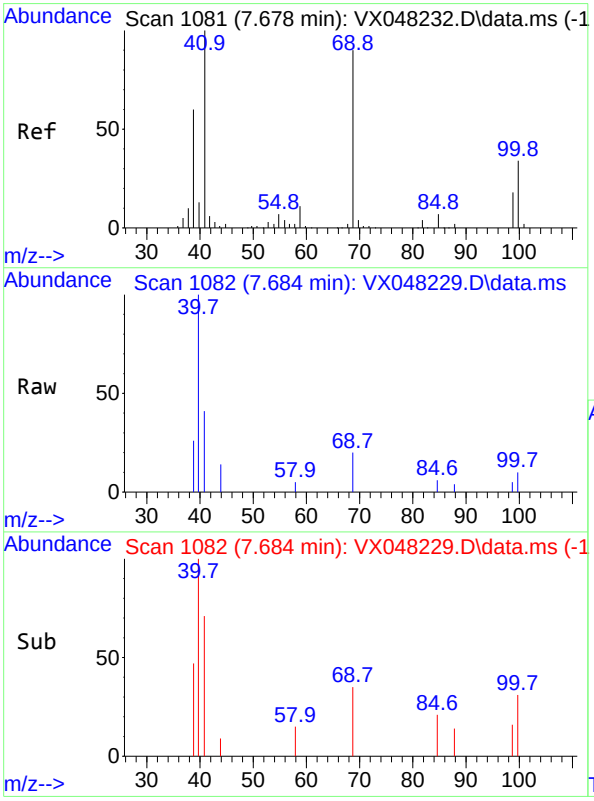

#47
Bromodichloromethane
Concen: 1.013 ug/l
RT: 7.812 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 83 Resp: 2204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 47.2 | 52.2 | 78.4# |
| 127 | 11.8 | 7.3 | 10.9# |

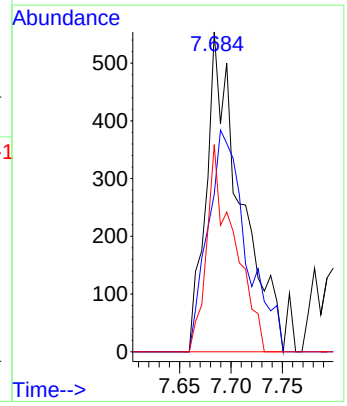


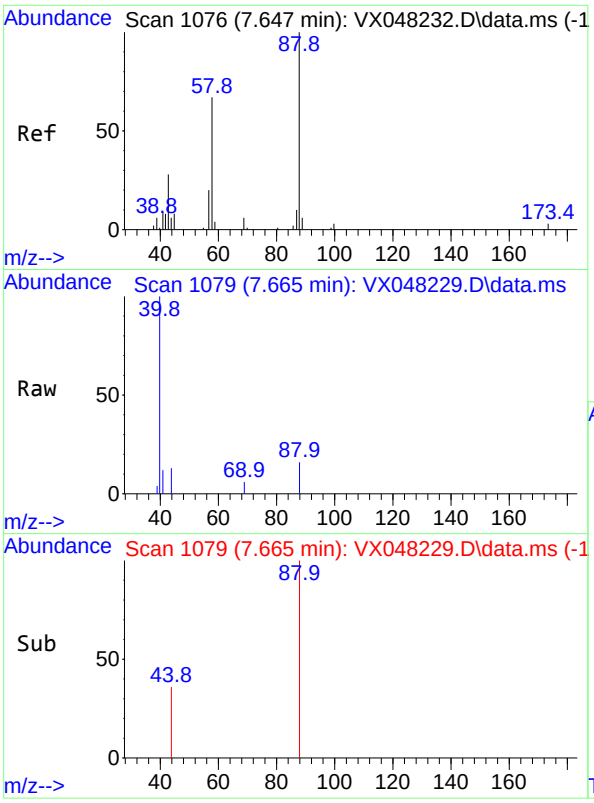




#48
Methyl methacrylate
Concen: 0.996 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 41 Resp: 1283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.6 | 63.4 | 95.0 |
| 39 | 51.7 | 47.1 | 70.7 |



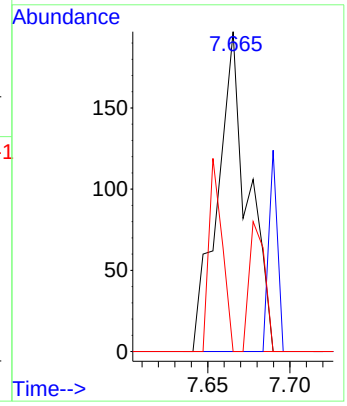


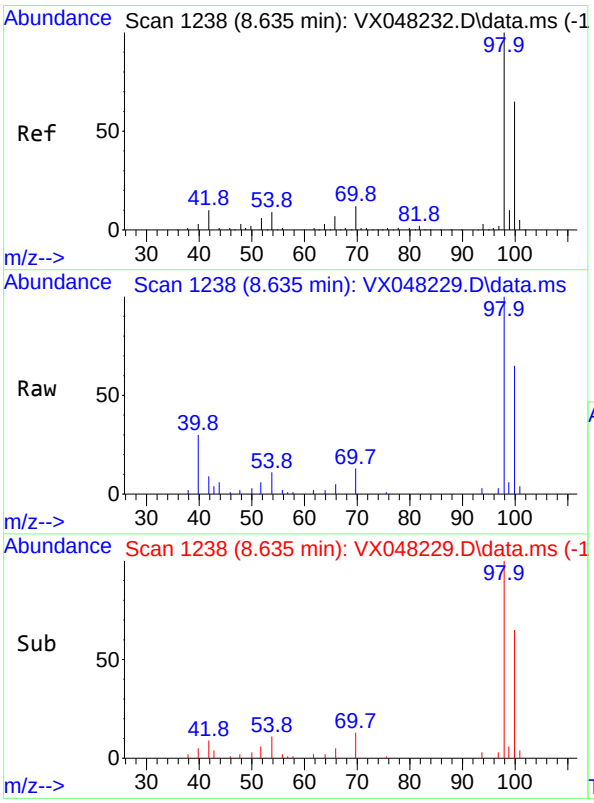

#49
1,4-Dioxane
Concen: 14.987 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 88 Resp: 255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 35.0 | 52.4# |
| 58 | 20.8 | 61.9 | 92.9# |

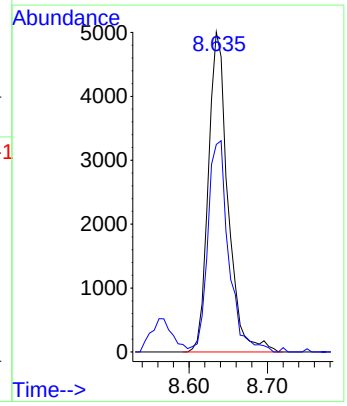


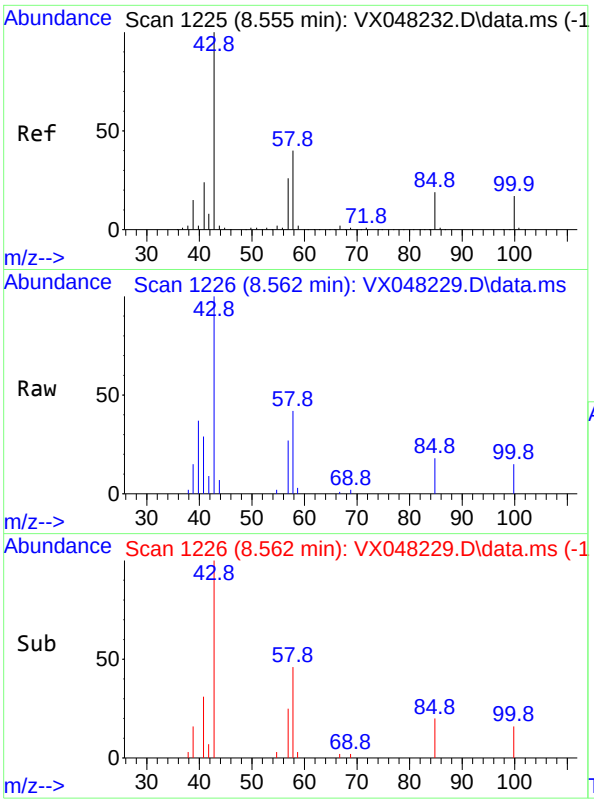




#50
Toluene-d8
Concen: 1.877 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 98 Resp: 8676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 70.5 | 53.0 | 79.4 |



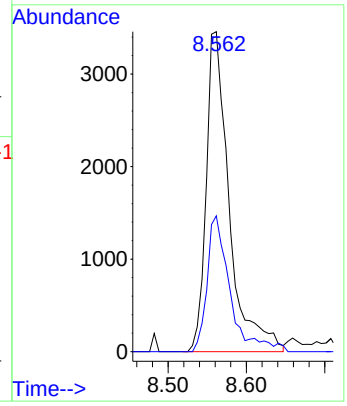


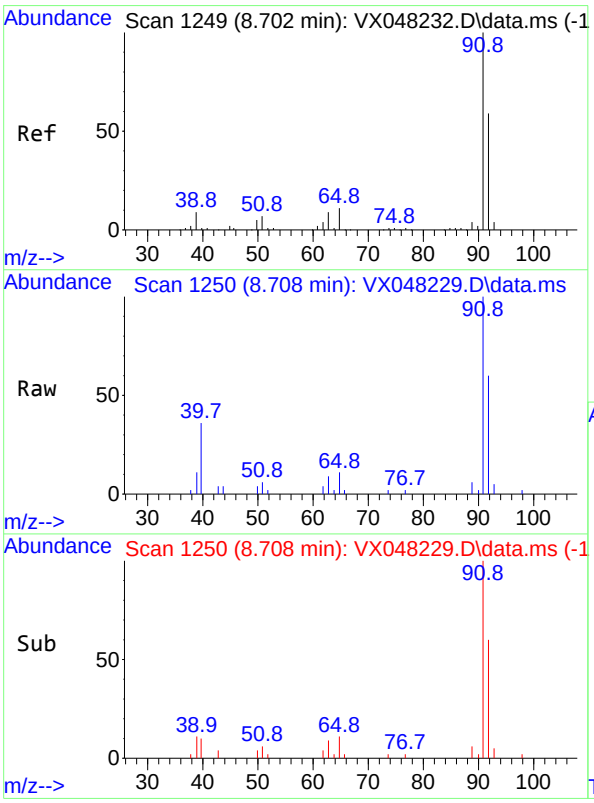

#51
4-Methyl-2-Pentanone
Concen: 4.802 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 43 Resp: 7066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 42.1 | 29.5 | 44.3 |

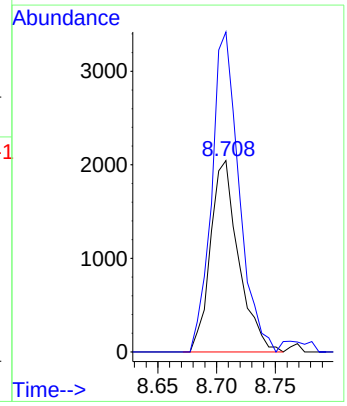


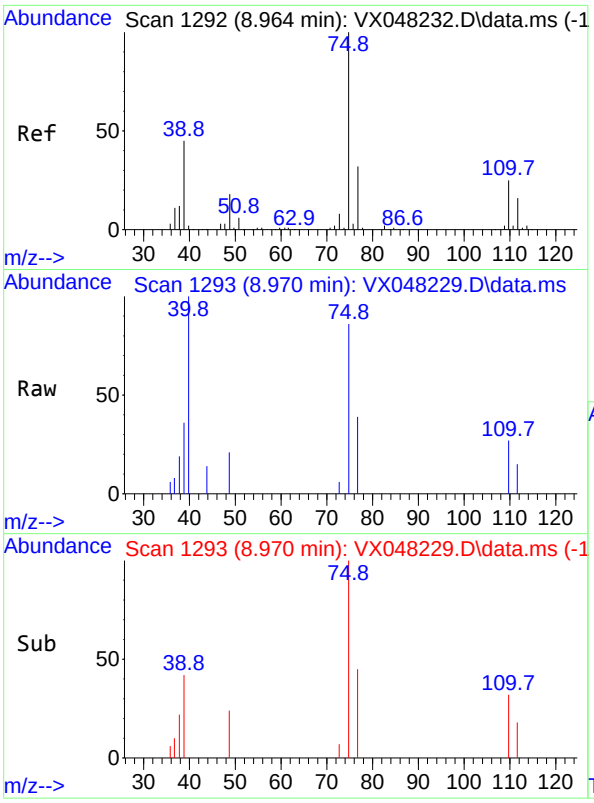




#52
Toluene
Concen: 0.984 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 92 Resp: 3403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 162.8 | 136.1 | 204.1 |



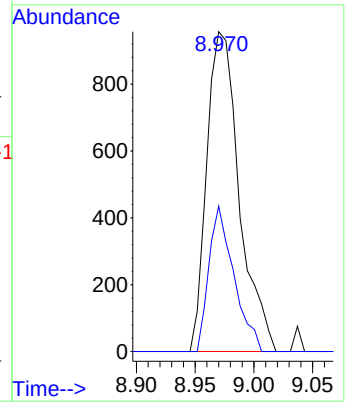


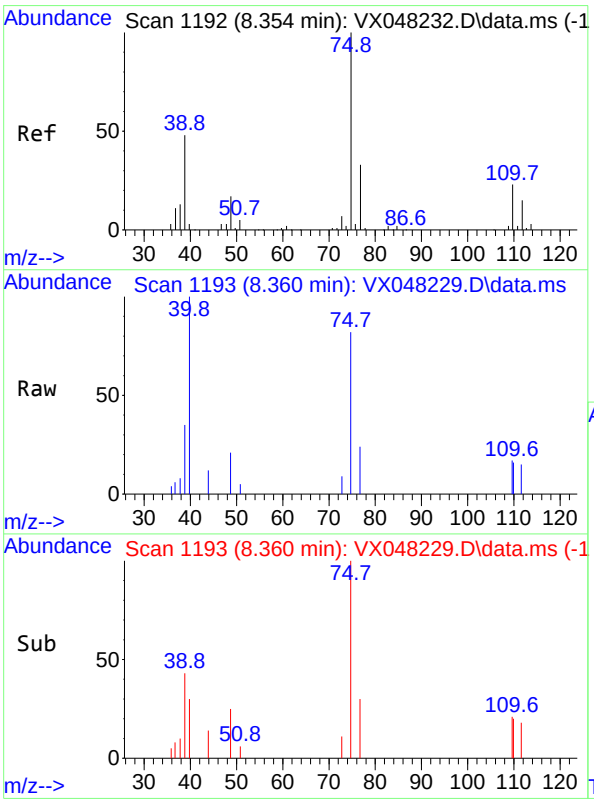

#53
t-1,3-Dichloropropene
Concen: 0.879 ug/l
RT: 8.970 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 75 Resp: 1844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 45.5 | 25.0 | 37.6# |

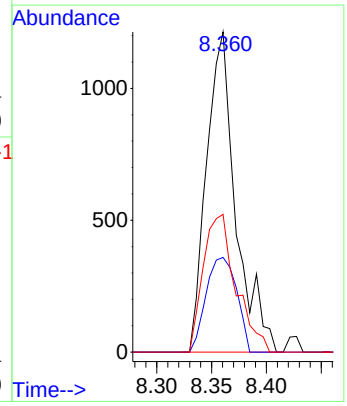


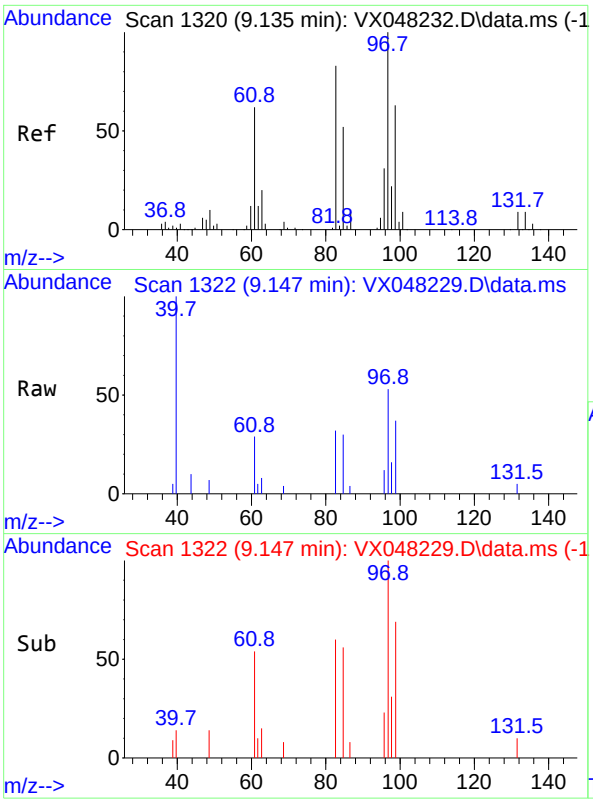




#54
cis-1,3-Dichloropropene
Concen: 0.994 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 75 Resp: 2250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.6 | 24.9 | 37.3 |
| 39 | 43.0 | 42.6 | 64.0 |



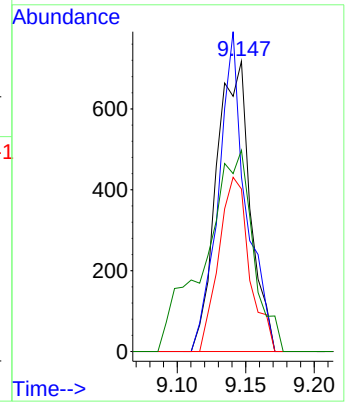


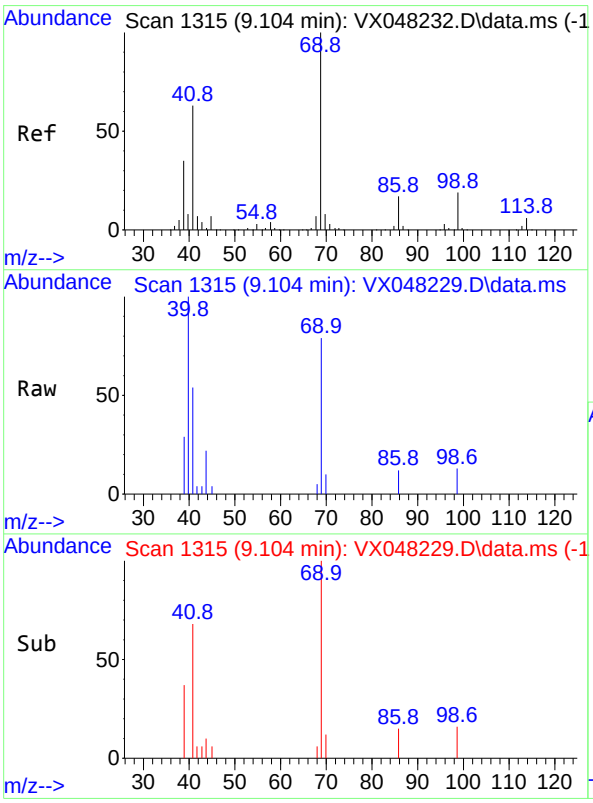

#55
1,1,2-Trichloroethane
Concen: 0.956 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 97 Resp: 1229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 60.2 | 70.6 | 105.8# |
| 85 | 56.0 | 45.0 | 67.6 |
| 99 | 69.4 | 50.9 | 76.3 |

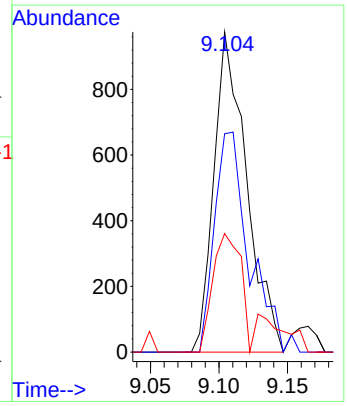


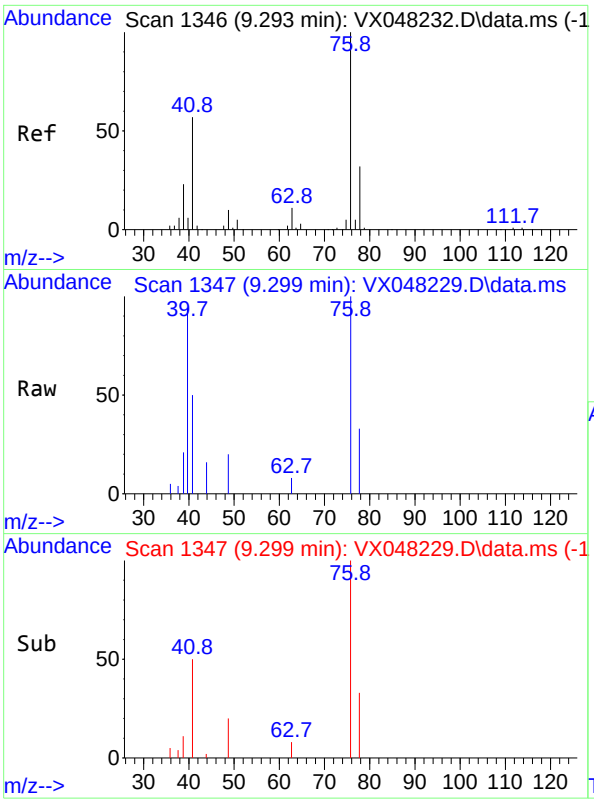




#56
Ethyl methacrylate
Concen: 0.859 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 69 Resp: 1616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 73.0 | 56.0 | 84.0 |
| 39 | 36.5 | 31.6 | 47.4 |



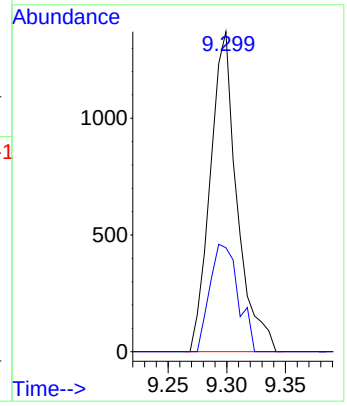


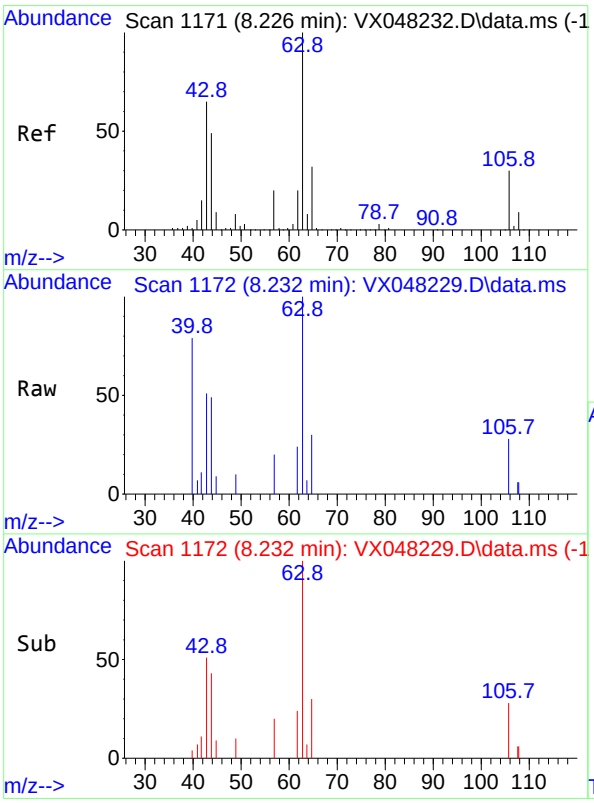

#57
1,3-Dichloropropane
Concen: 0.990 ug/l
RT: 9.299 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 76 Resp: 2174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 35.5 | 25.4 | 38.0 |

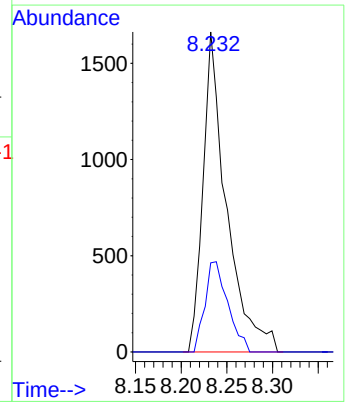


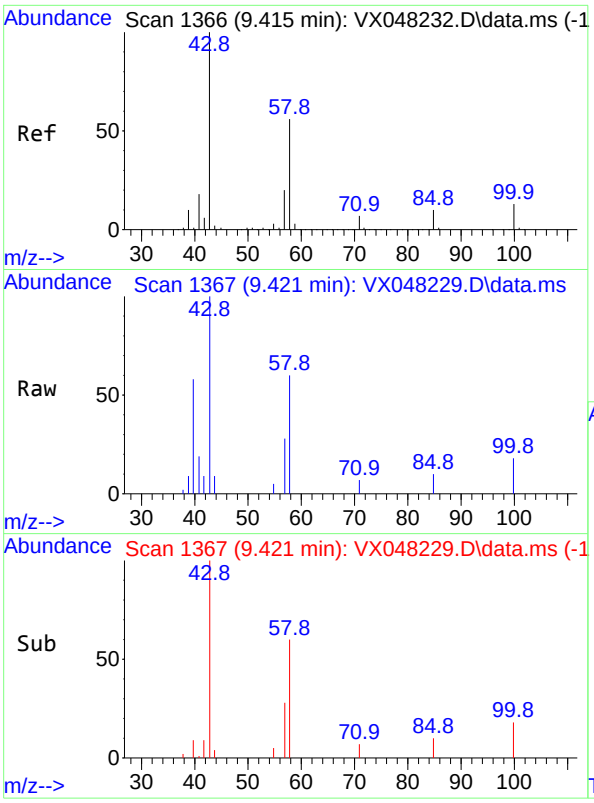




#58
2-Chloroethyl Vinyl ether
Concen: 4.614 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 63 Resp: 2970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 22.2 | 33.2 |



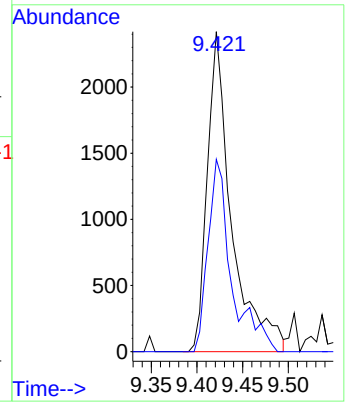


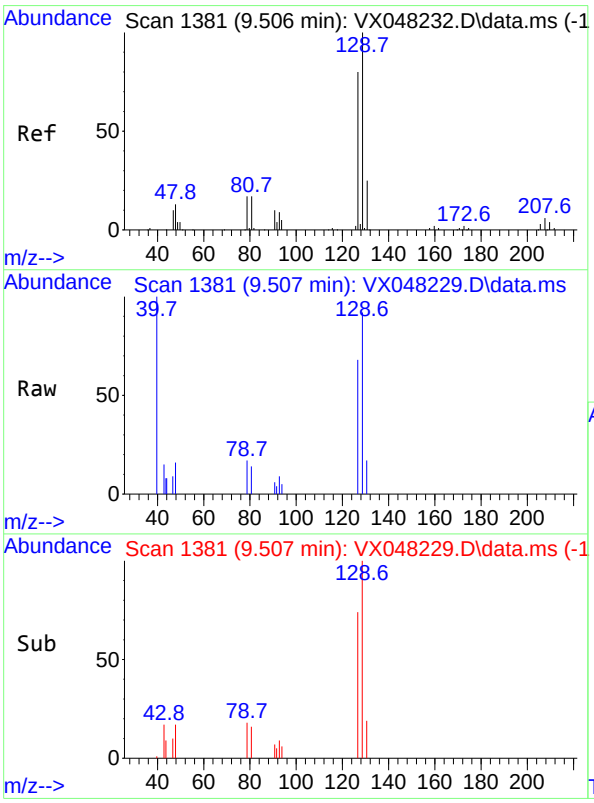

#59
2-Hexanone
Concen: 4.343 ug/l
RT: 9.421 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 43 Resp: 4456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 58.1 | 26.3 | 78.8 |

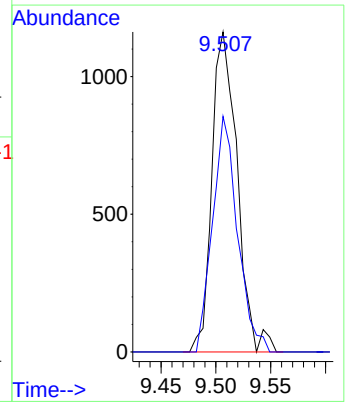


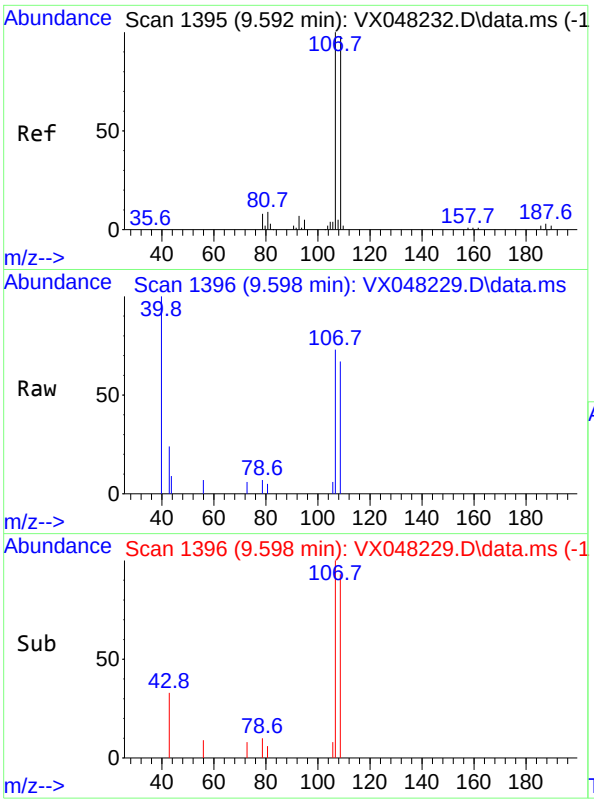




#60
Dibromochloromethane
Concen: 1.077 ug/l
RT: 9.507 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:129 Resp: 1862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 72.9 | 38.6 | 115.7 |



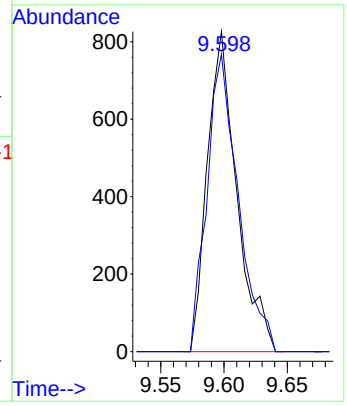


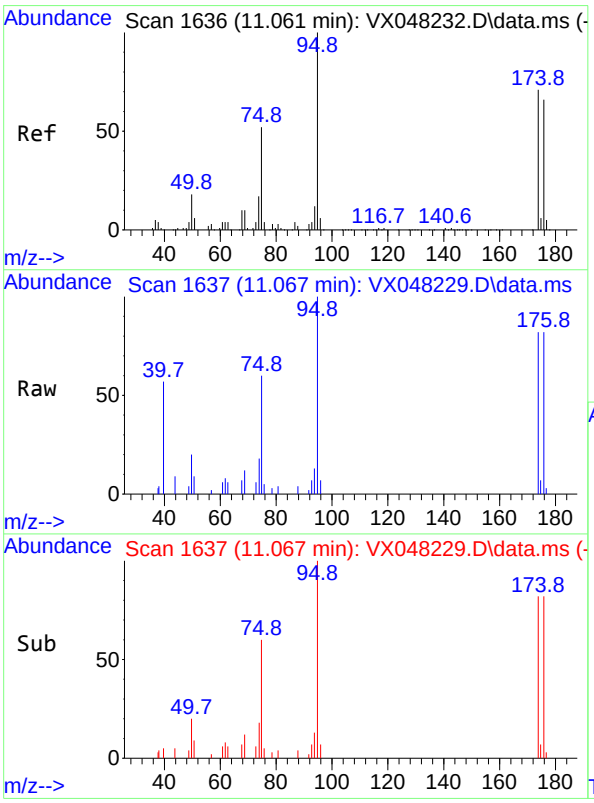

#61
1,2-Dibromoethane
Concen: 0.976 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:107 Resp: 1338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 98.6 | 77.0 | 115.4 |

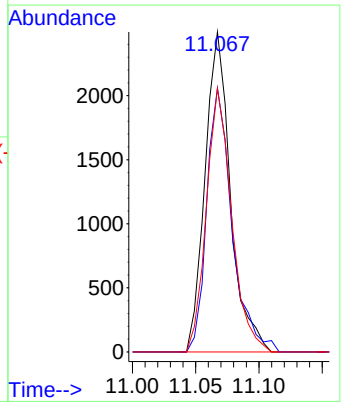


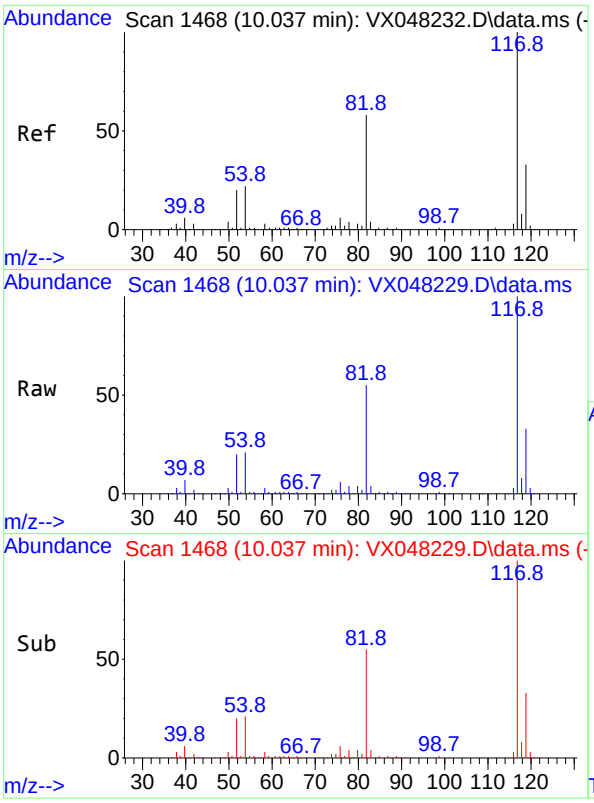




#62
4-Bromofluorobenzene
Concen: 1.985 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 95 Resp: 3491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 81.9 | 0.0 | 147.8 |
| 176 | 81.9 | 0.0 | 142.8 |



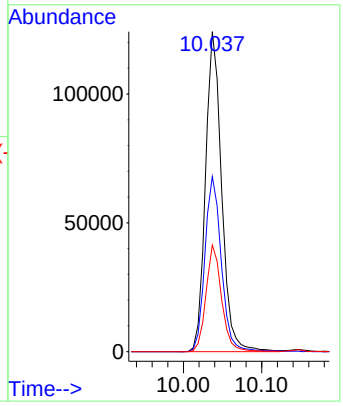


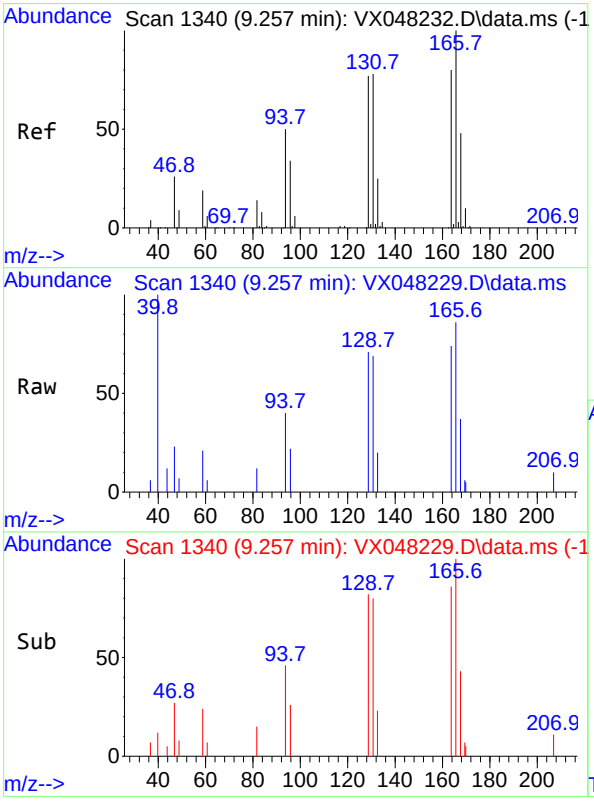

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:117 Resp: 177252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.8 | 46.5 | 69.7 |
| 119 | 33.3 | 25.9 | 38.9 |

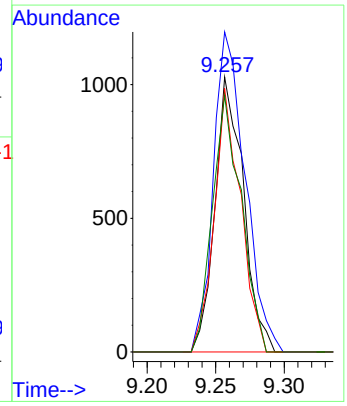


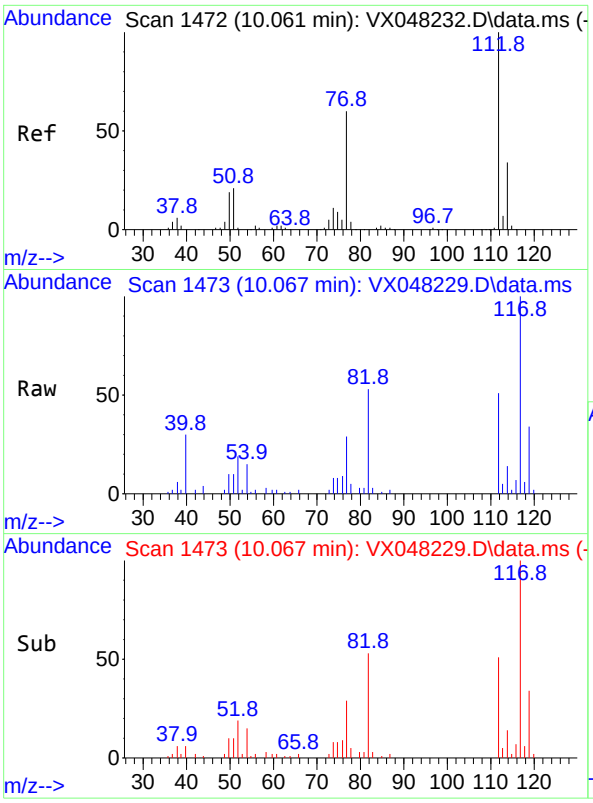




#64
Tetrachloroethene
Concen: 1.120 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:164 Resp: 1482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 116.4 | 104.5 | 156.7 |
| 129 | 95.9 | 81.8 | 122.6 |
| 131 | 93.4 | 77.0 | 115.6 |



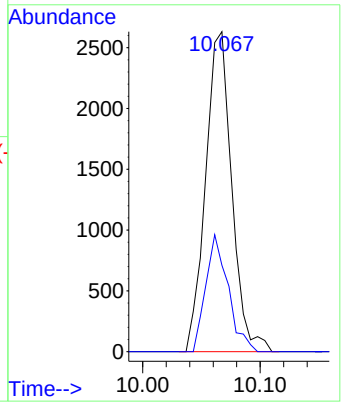


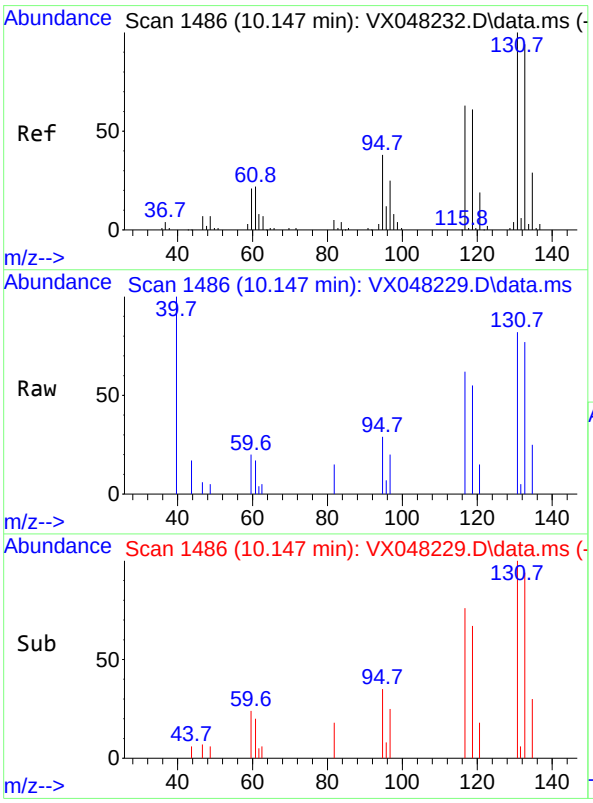

#65
Chlorobenzene
Concen: 1.021 ug/l
RT: 10.067 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:112 Resp: 4073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 27.0 | 26.2 | 39.2 |

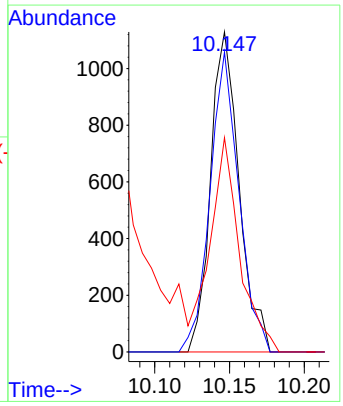


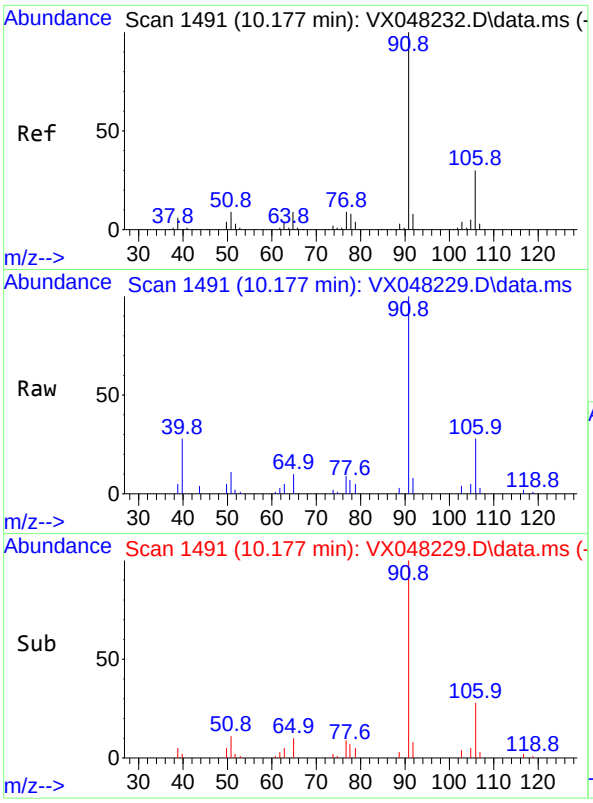




#66
1,1,1,2-Tetrachloroethane
Concen: 1.021 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:131 Resp: 1495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.1 | 47.6 | 142.8 |
| 119 | 0.0 | 32.5 | 97.5# |



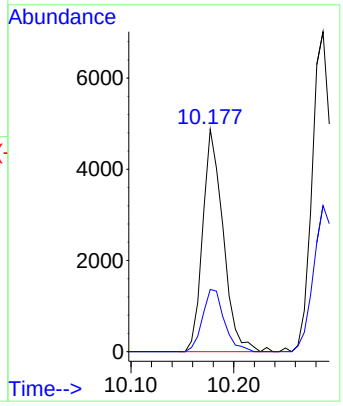


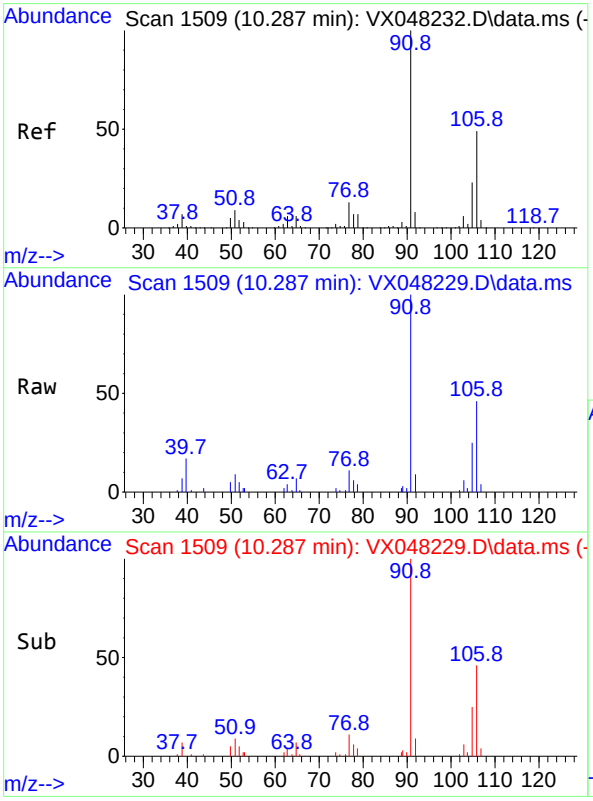

#67
Ethyl Benzene
Concen: 0.995 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 91 Resp: 6752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.0 | 23.8 | 35.6 |

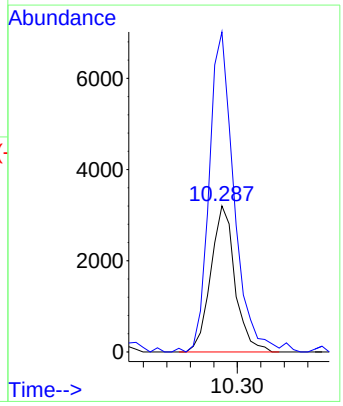


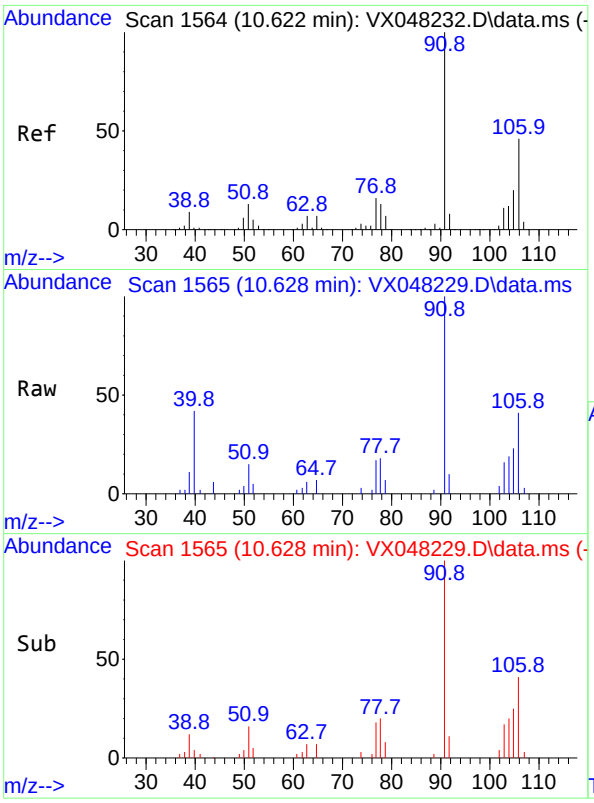




#68
m/p-Xylenes
Concen: 1.819 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:106 Resp: 4589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 225.6 | 167.9 | 251.9 |



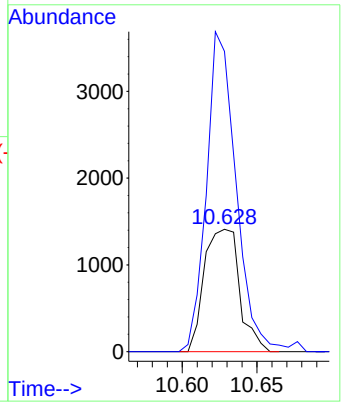


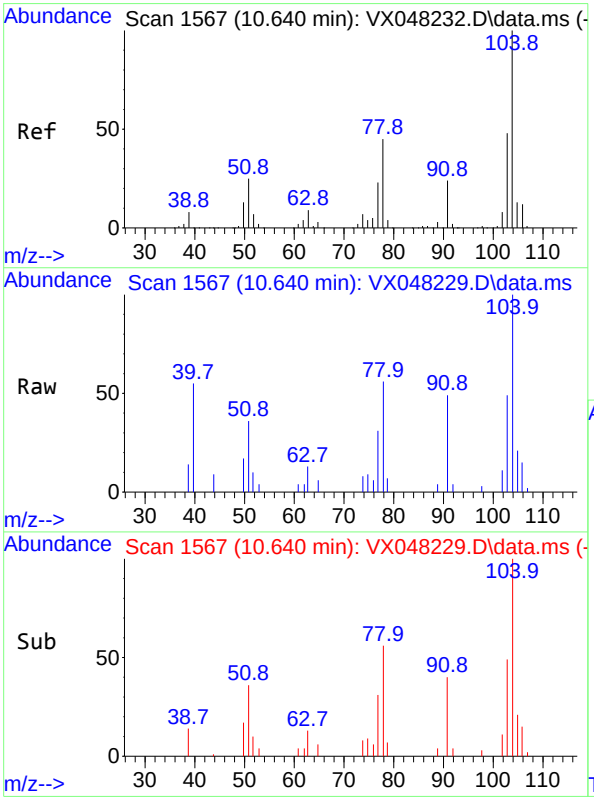

#69
o-Xylene
Concen: 0.950 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:106 Resp: 2313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.2 | 111.3 | 333.9 |

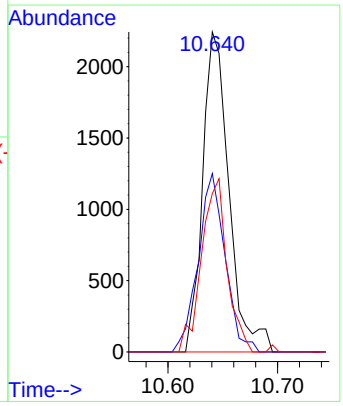


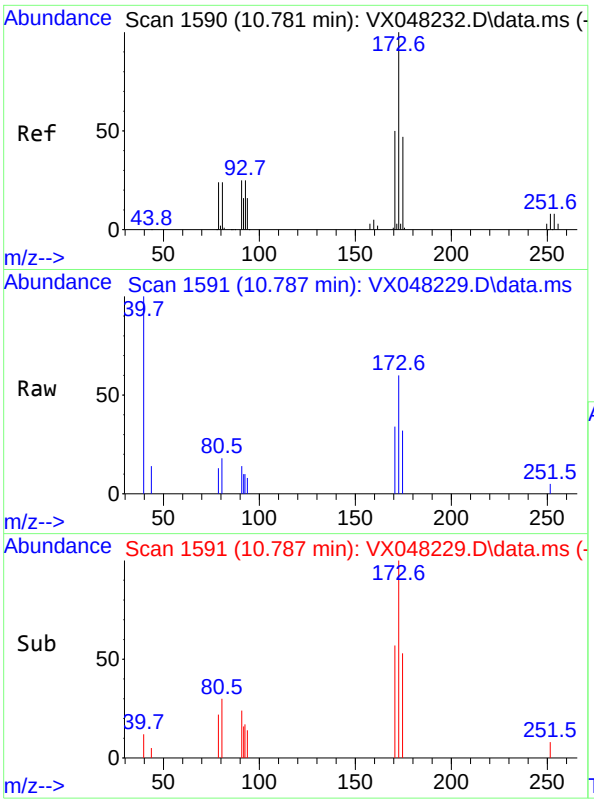




#70
Styrene
Concen: 0.901 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:104 Resp: 3737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.1 | 42.2 | 63.4 |
| 103 | 52.6 | 43.0 | 64.4 |



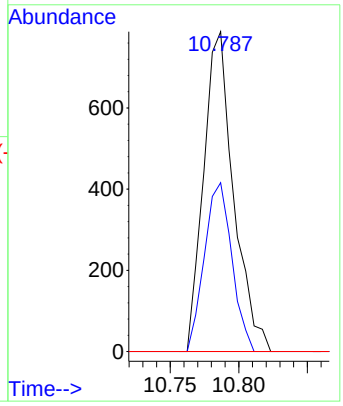


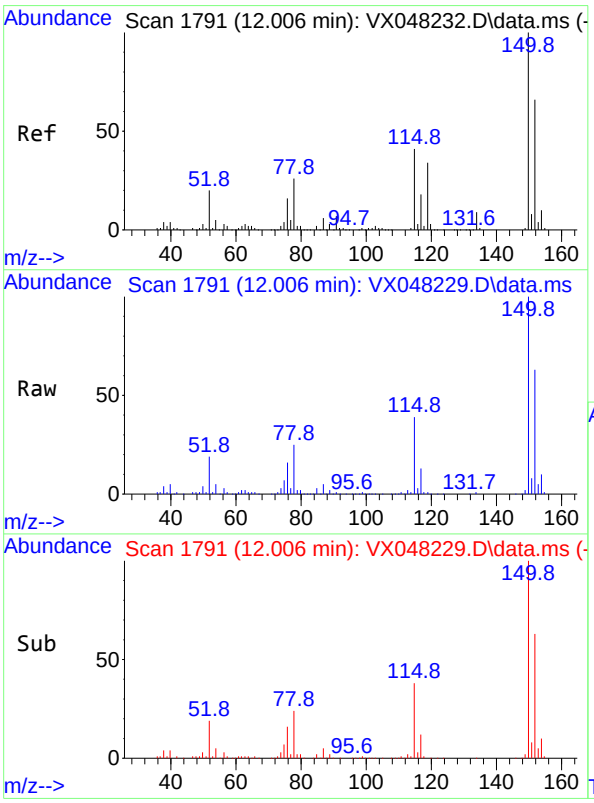

#71
Bromoform
Concen: 1.023 ug/l
RT: 10.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:173 Resp: 1198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.4 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |

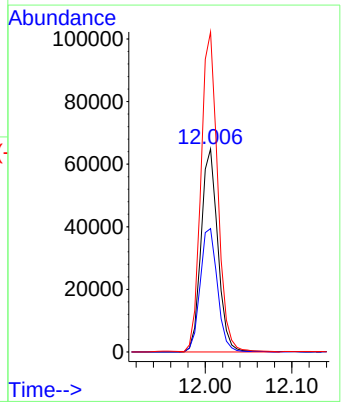


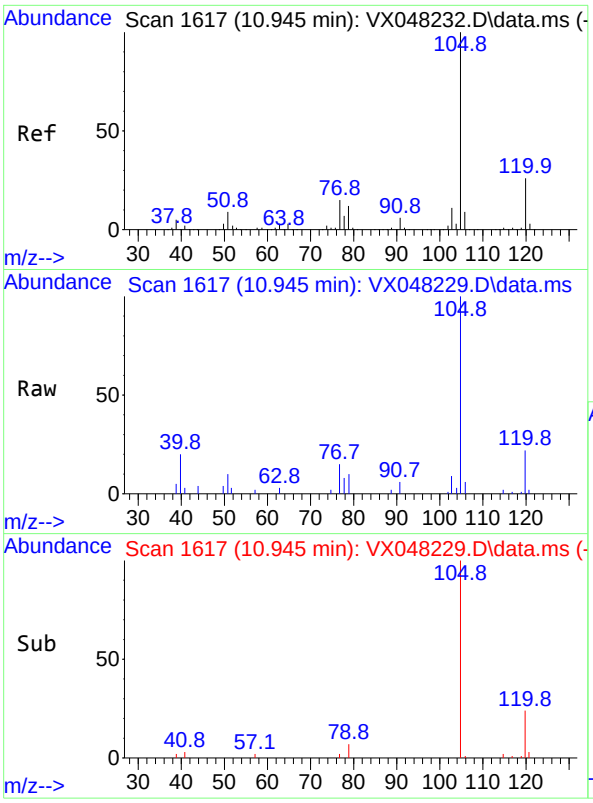




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:152 Resp: 86943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 63.0 | 43.1 | 129.4 |
| 150 | 158.2 | 0.0 | 353.0 |



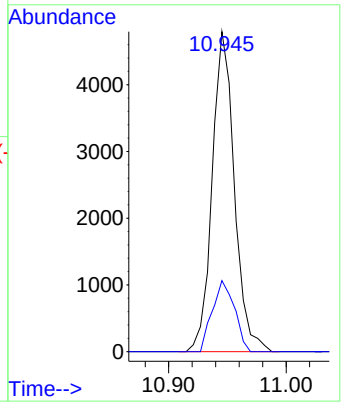


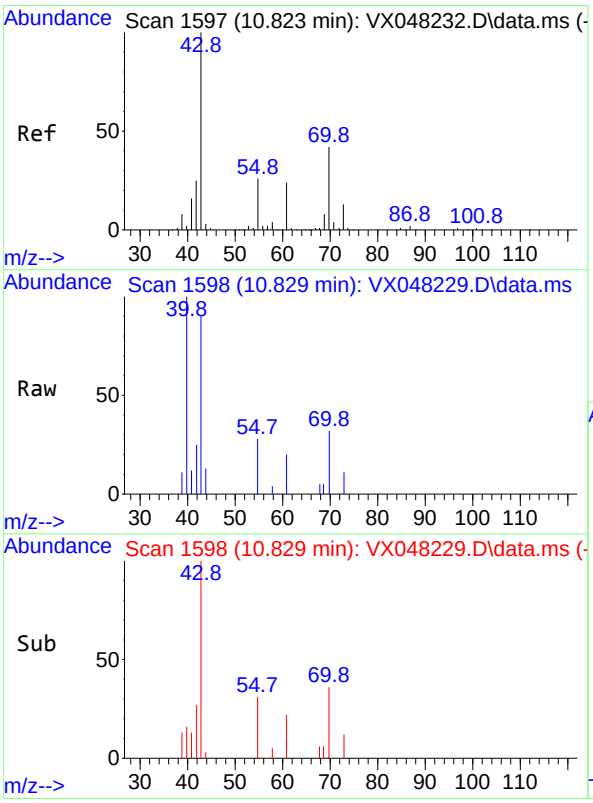

#73
Isopropylbenzene
Concen: 0.991 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:105 Resp: 6291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 22.2 | 13.0 | 38.9 |

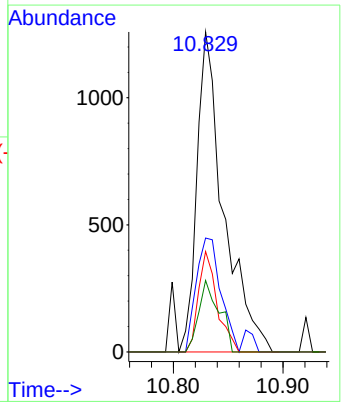


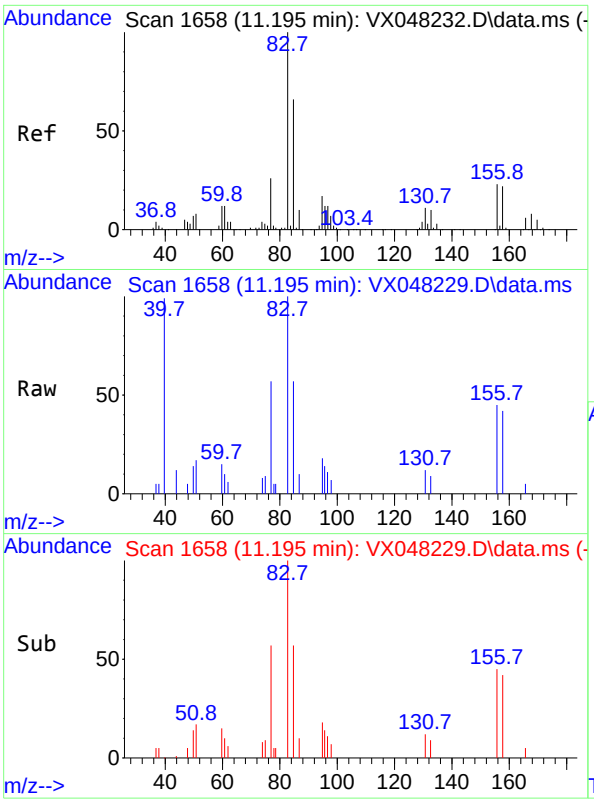




#74
N-amyl acetate
Concen: 0.949 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 2137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 32.8 | 32.2 | 48.2 |
| 55 | 22.0 | 19.1 | 28.7 |
| 61 | 17.2 | 18.6 | 28.0# |



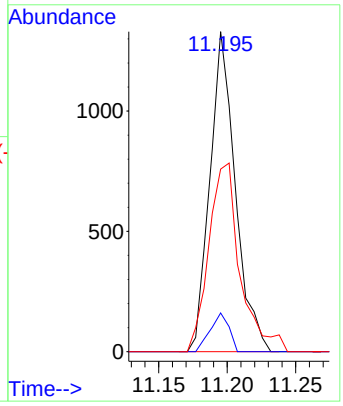


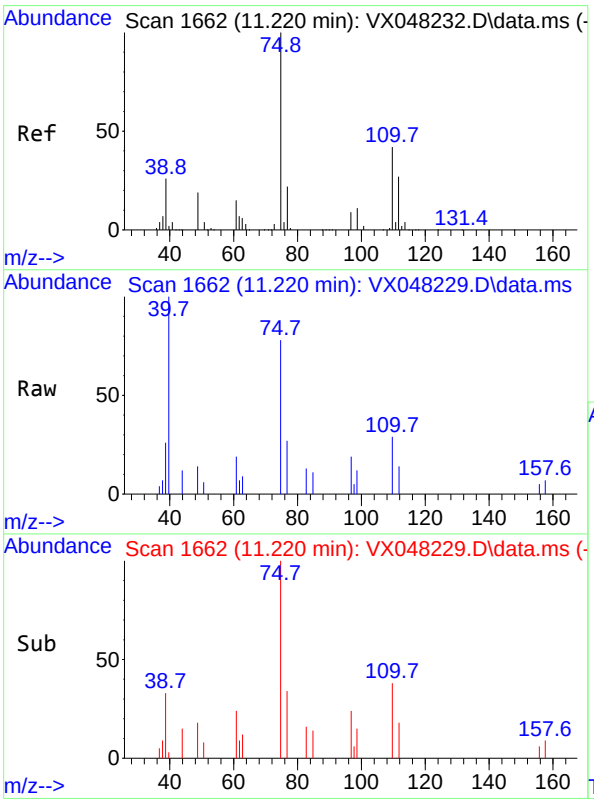

#75
1,1,2,2-Tetrachloroethane
Concen: 0.991 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 83 Resp: 1718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 8.9 | 4.8 | 14.4 |
| 85 | 72.1 | 31.9 | 95.7 |

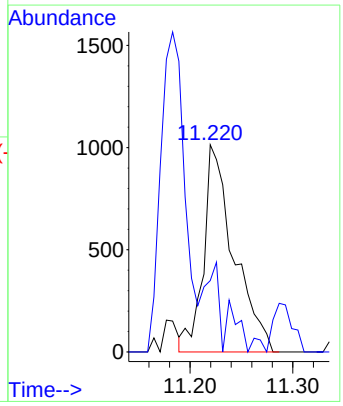


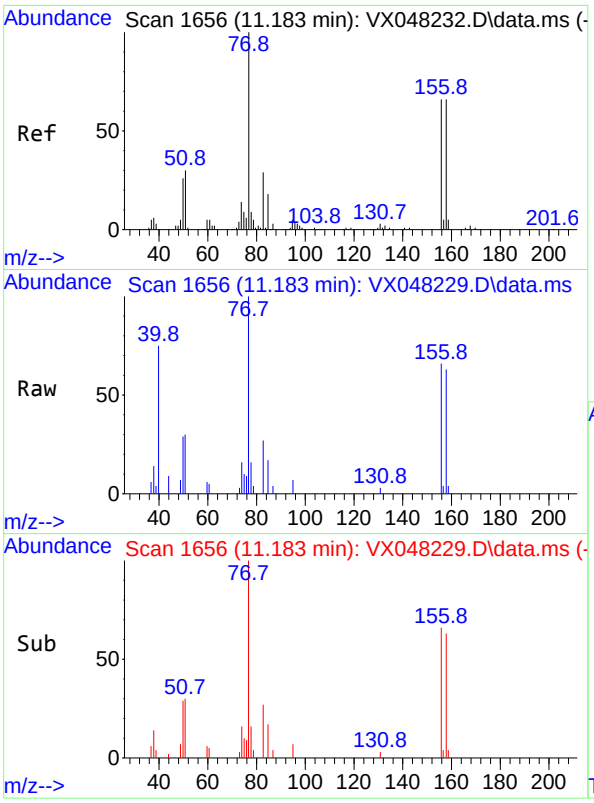




#76
1,2,3-Trichloropropane
Concen: 1.470 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 75 Resp: 2073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 22.4 | 67.2 |



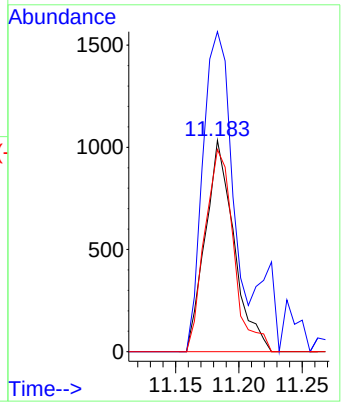


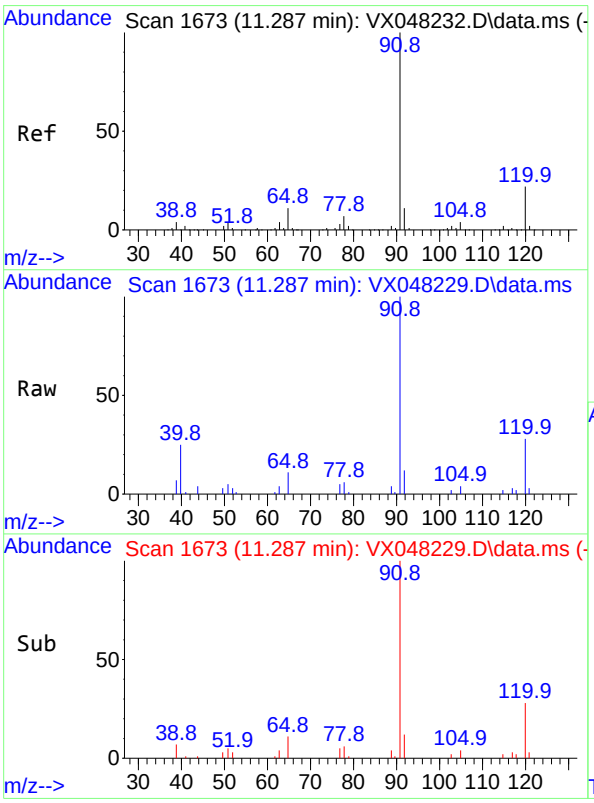

#77
Bromobenzene
Concen: 1.027 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:156 Resp: 1635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 155.2 | 87.0 | 261.0 |
| 158 | 96.4 | 47.8 | 143.4 |

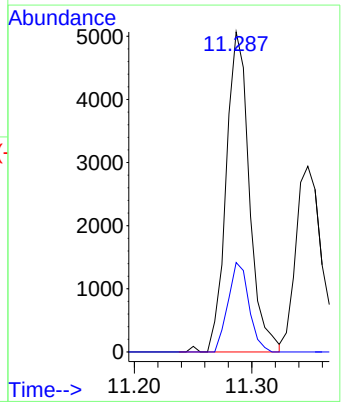


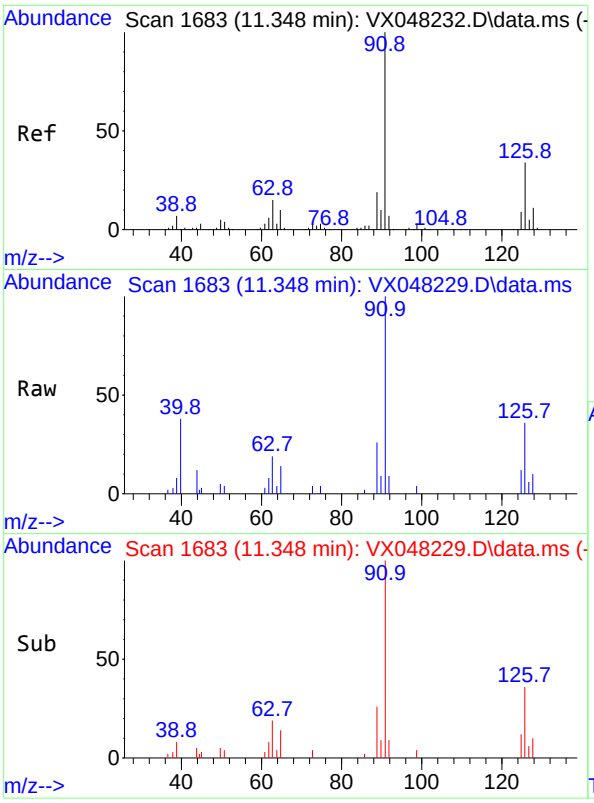




#78
n-propylbenzene
Concen: 0.946 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 91 Resp: 6956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 25.2 | 11.1 | 33.1 |



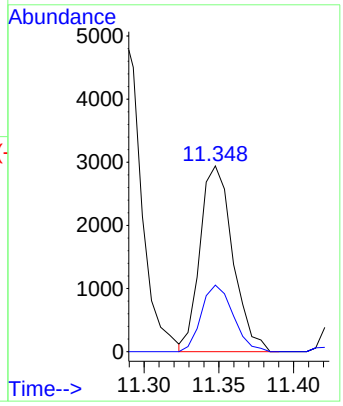


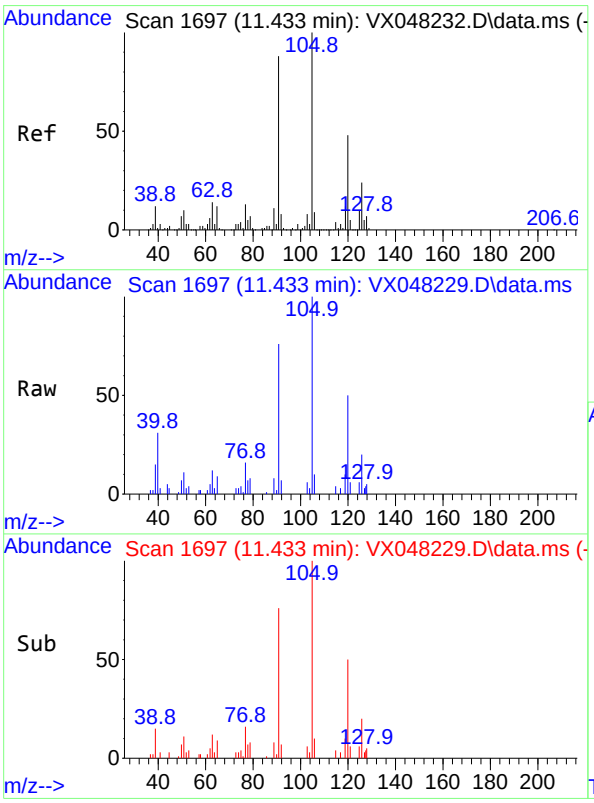

#79
2-Chlorotoluene
Concen: 1.004 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 91 Resp: 4477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.8 | 16.4 | 49.4 |

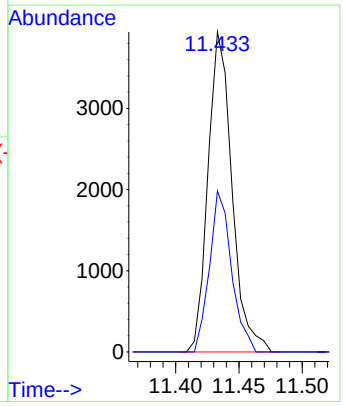


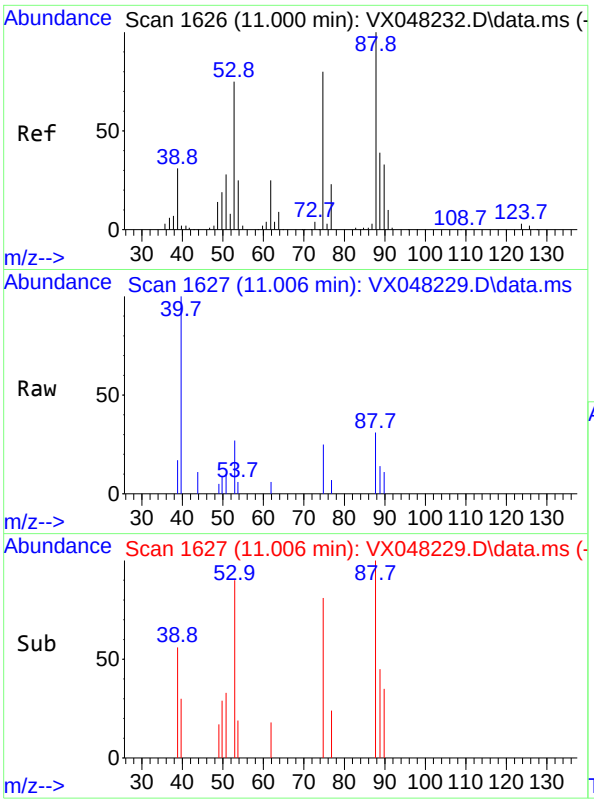




#80
1,3,5-Trimethylbenzene
Concen: 0.989 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:105 Resp: 5196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.2 | 24.0 | 72.0 |



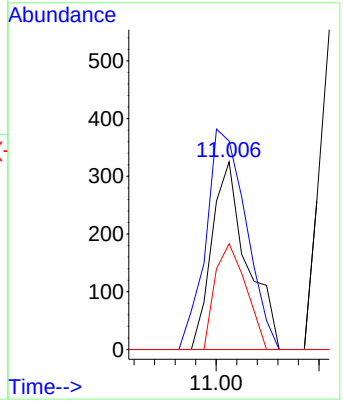


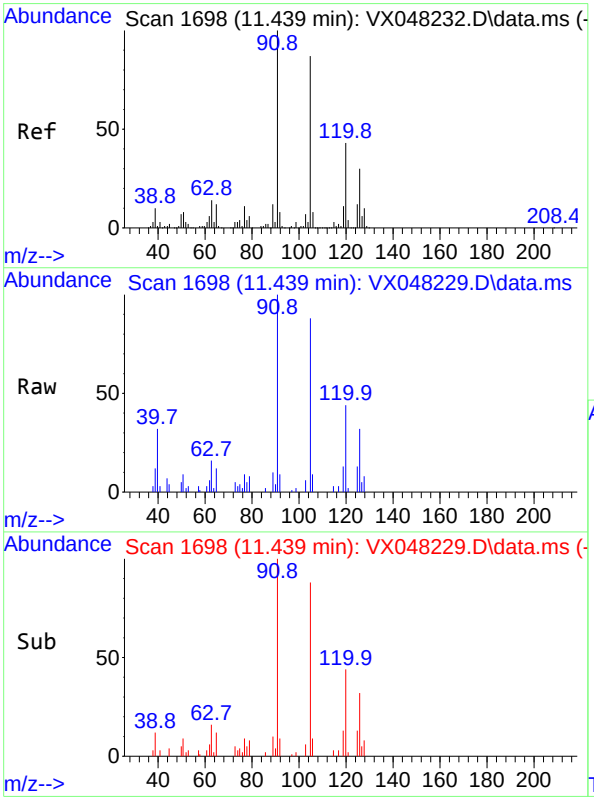

#81
trans-1,4-Dichloro-2-butene
Concen: 0.668 ug/l
RT: 11.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 75 Resp: 387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 133.9 | 79.5 | 119.3# |
| 89 | 49.4 | 36.8 | 55.2 |

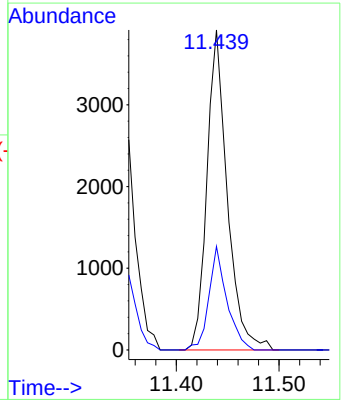


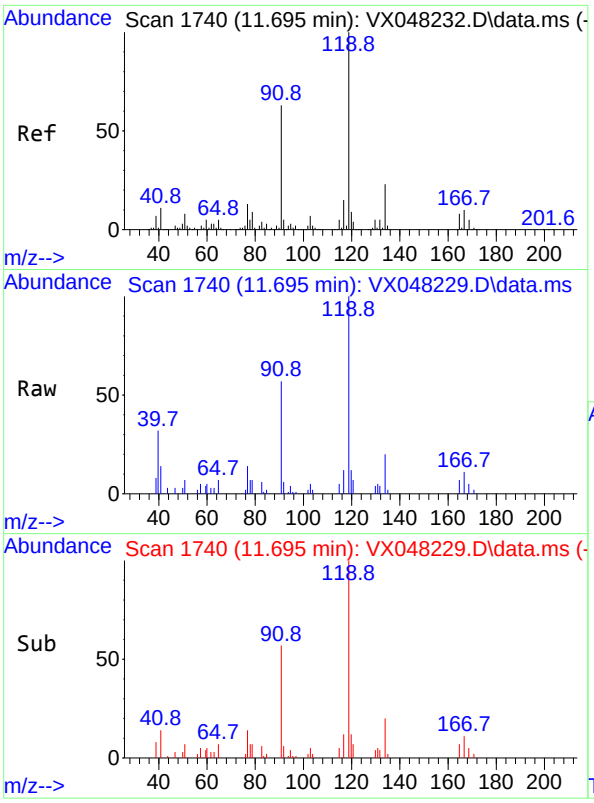




#82
4-Chlorotoluene
Concen: 1.018 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 91 Resp: 5385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.7 | 14.1 | 42.4 |



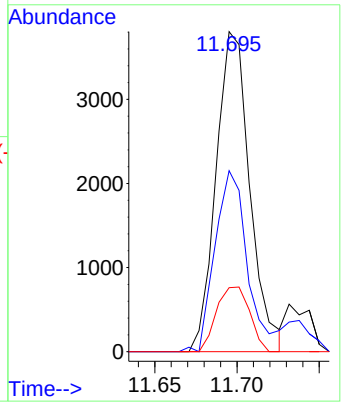


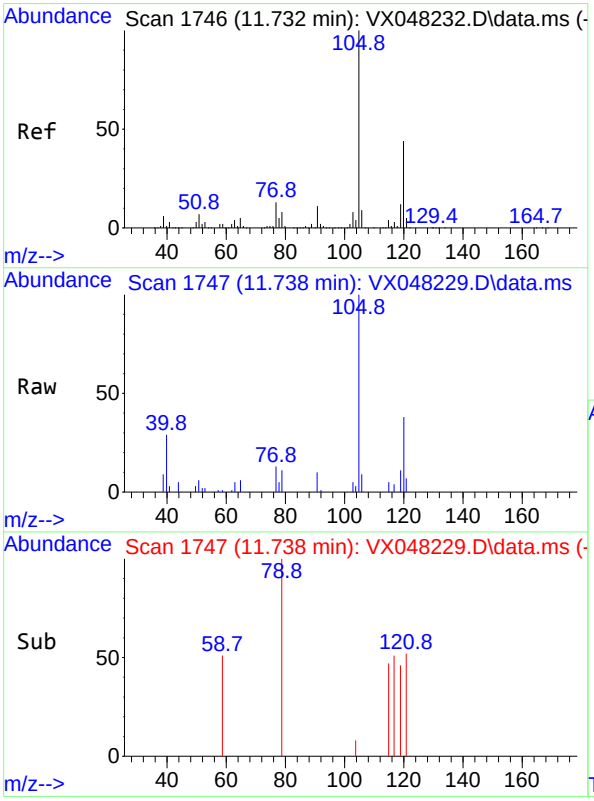

#83
tert-Butylbenzene
Concen: 1.007 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:119 Resp: 5439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 53.0 | 30.3 | 91.0 |
| 134 | 19.9 | 11.4 | 34.2 |

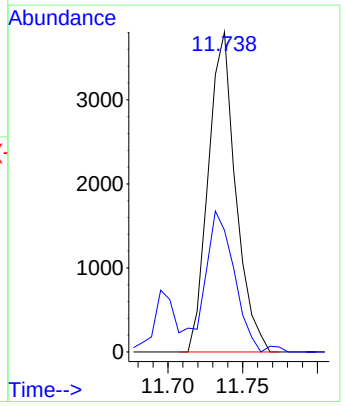


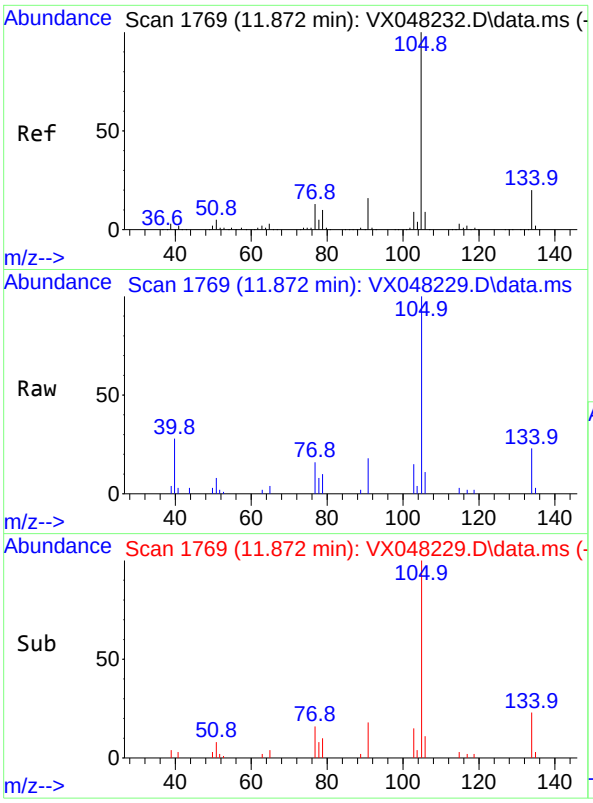




#84
1,2,4-Trimethylbenzene
Concen: 0.926 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:105 Resp: 4854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.9 | 22.1 | 66.5 |



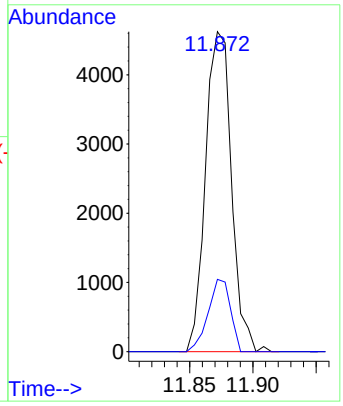


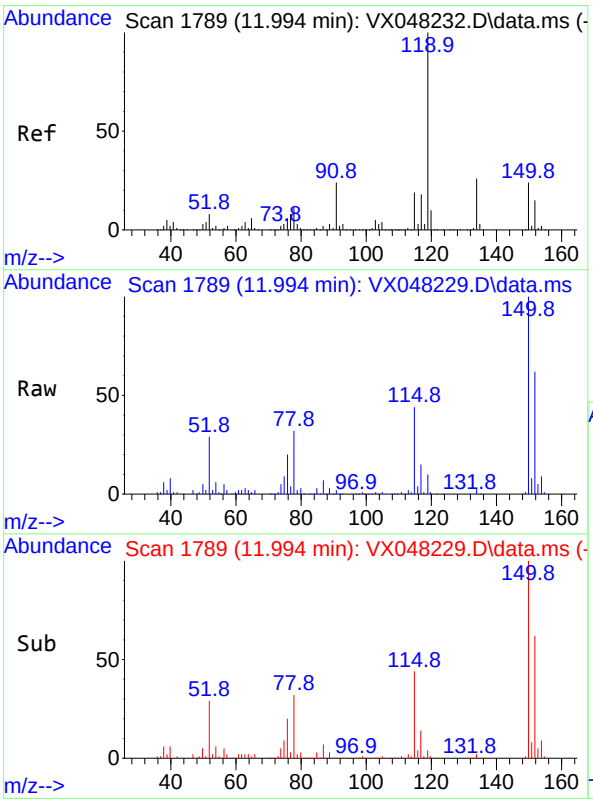

#85
sec-Butylbenzene
Concen: 1.014 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:105 Resp: 6589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 10.1 | 30.1 |

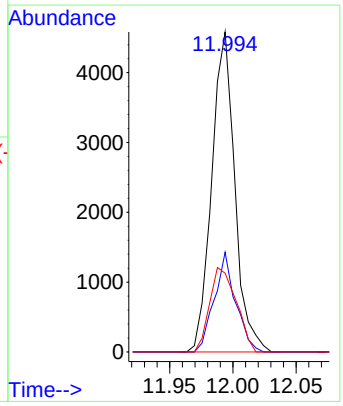


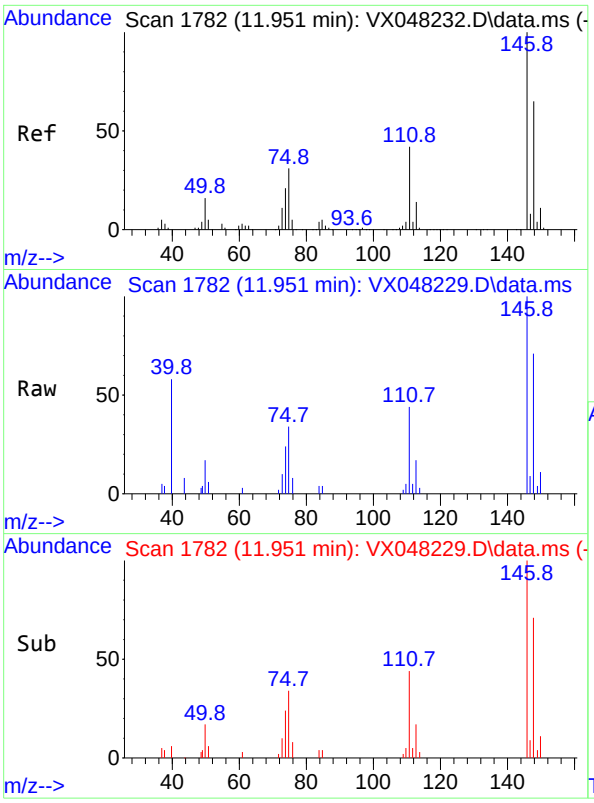




#86
p-Isopropyltoluene
Concen: 1.035 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:119 Resp: 5812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 28.8 | 13.0 | 39.0 |
| 91 | 30.5 | 12.1 | 36.3 |



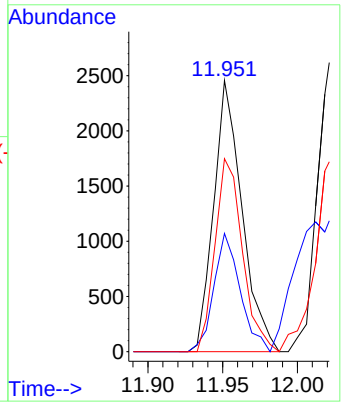


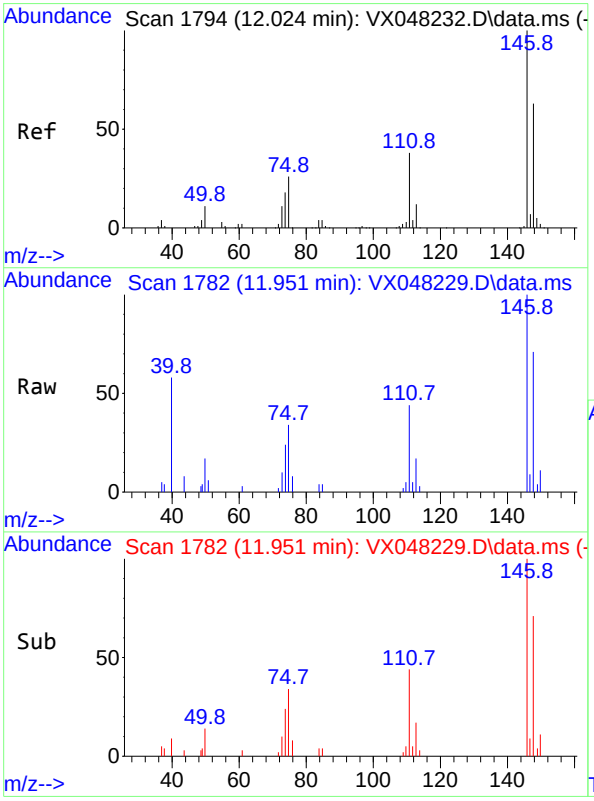

#87
1,3-Dichlorobenzene
Concen: 1.079 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:146 Resp: 3239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 20.4 | 61.2 |
| 148 | 68.9 | 31.9 | 95.9 |

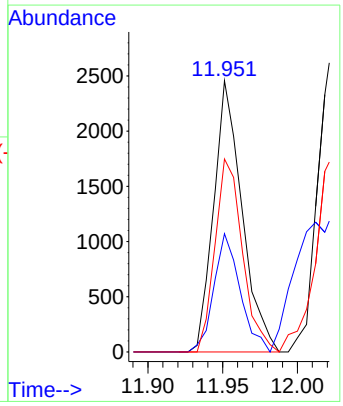


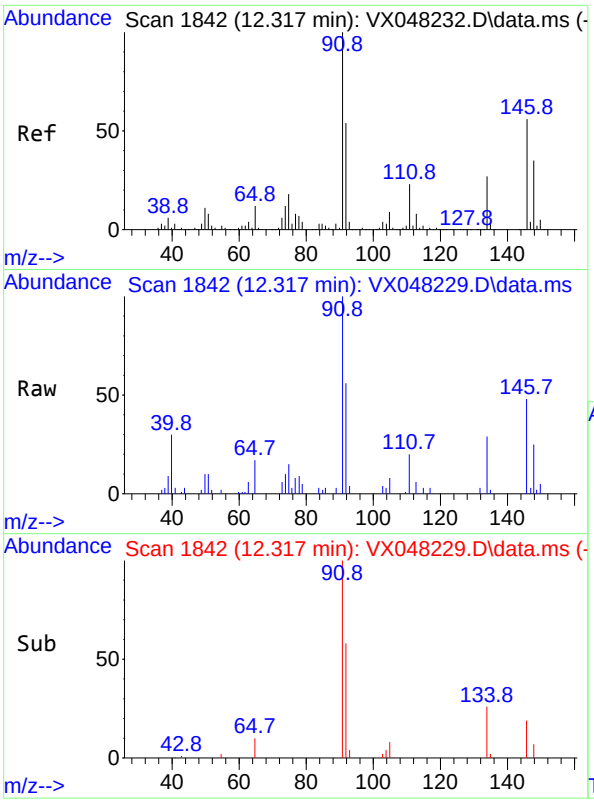




#88
1,4-Dichlorobenzene
Concen: 1.042 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.073 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:146 Resp: 3239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 20.1 | 60.2 |
| 148 | 68.9 | 31.8 | 95.3 |



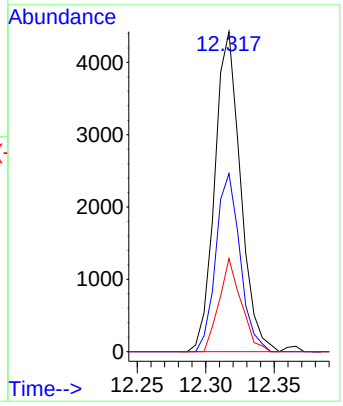


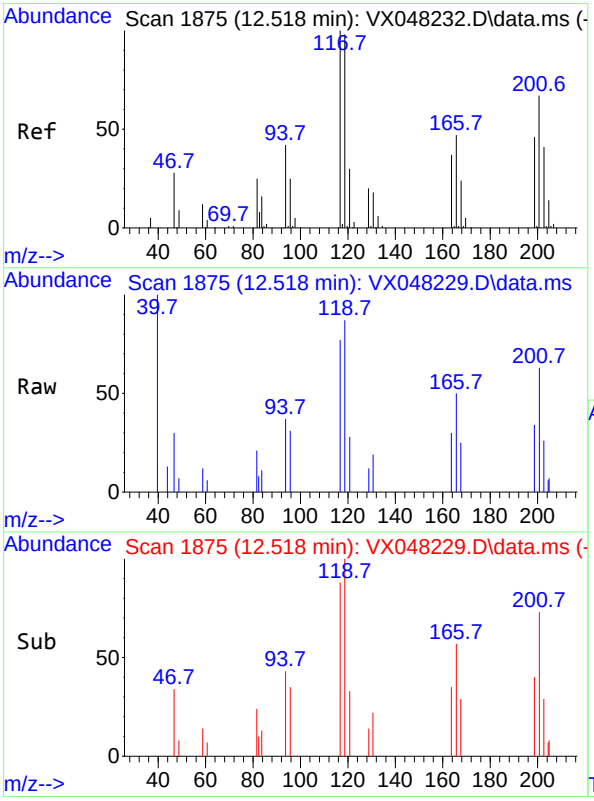

#89
n-Butylbenzene
Concen: 1.132 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion: 91 Resp: 5787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.3 | 26.9 | 80.6 |
| 134 | 24.9 | 12.7 | 38.1 |

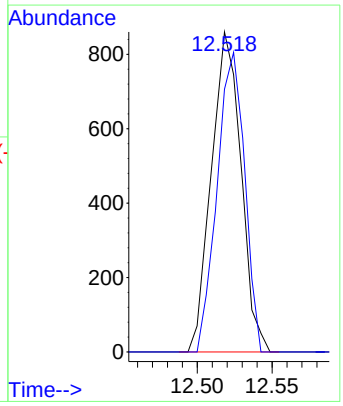


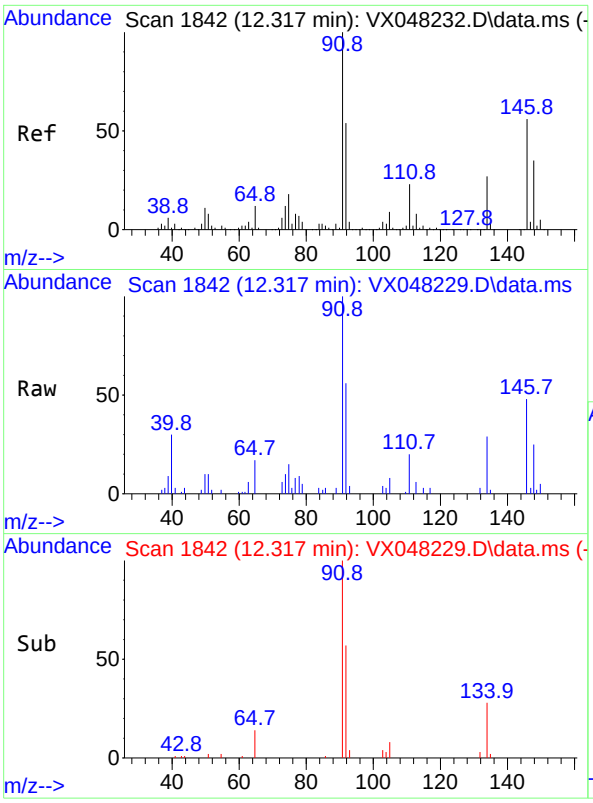




#90
Hexachloroethane
Concen: 1.066 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:117 Resp: 1182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 87.1 | 34.1 | 102.2 |



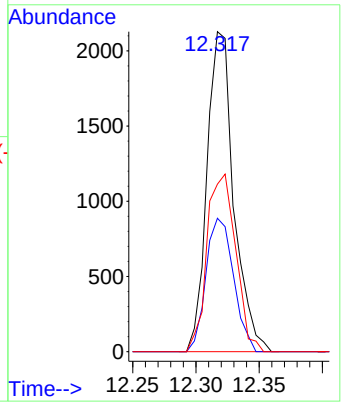


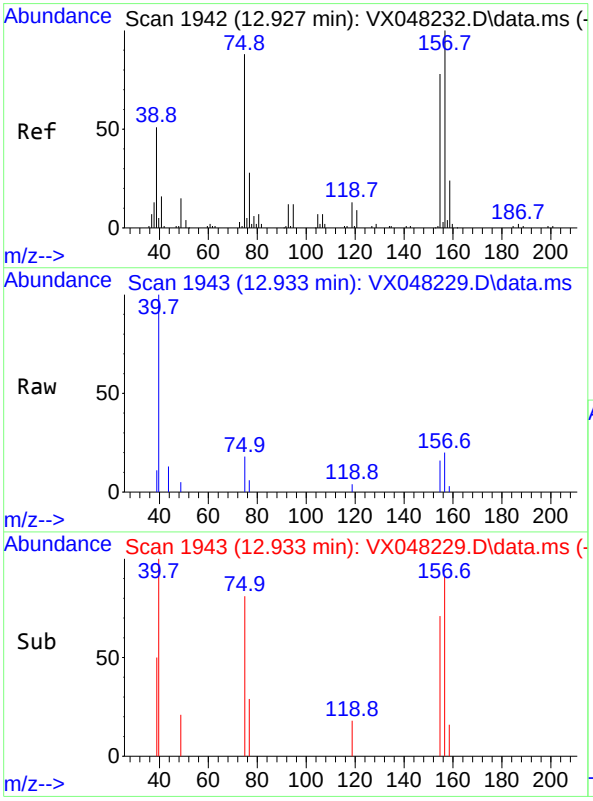

#91
1,2-Dichlorobenzene
Concen: 1.112 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:146 Resp: 3135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.9 | 21.9 | 65.5 |
| 148 | 59.5 | 31.9 | 95.5 |

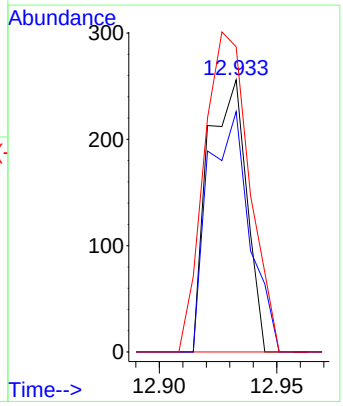


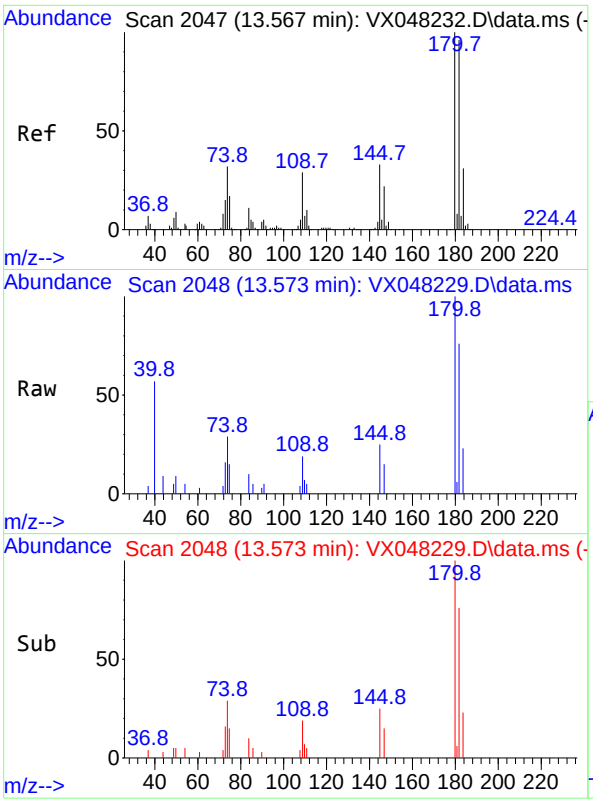




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.824 ug/l
RT: 12.933 min Scan# 1943
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 75 Resp: 290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 95.2 | 42.8 | 128.4 |
| 157 | 139.0 | 54.2 | 162.6 |



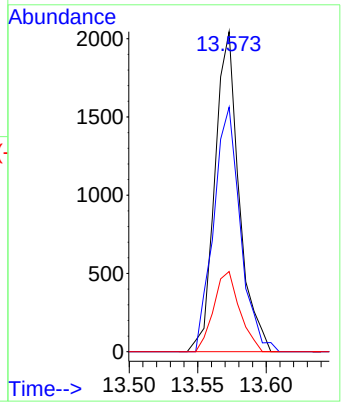


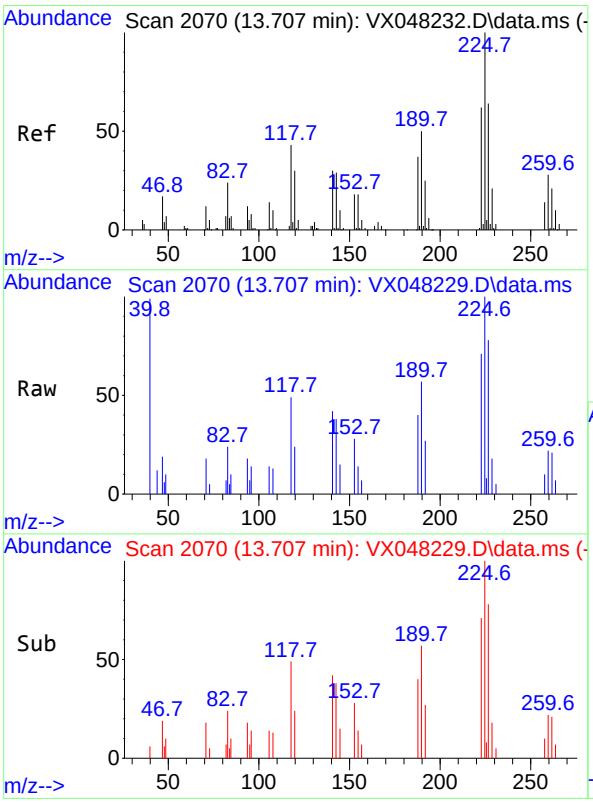

#93
1,2,4-Trichlorobenzene
Concen: 1.314 ug/l
RT: 13.573 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:180 Resp: 2505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 84.5 | 47.3 | 142.0 |
| 145 | 27.1 | 16.3 | 48.9 |

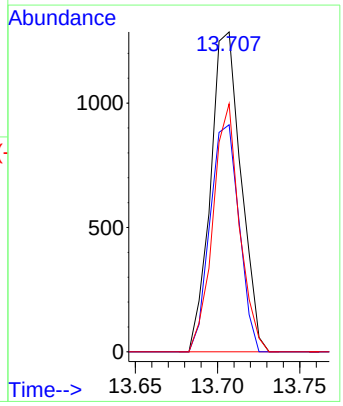


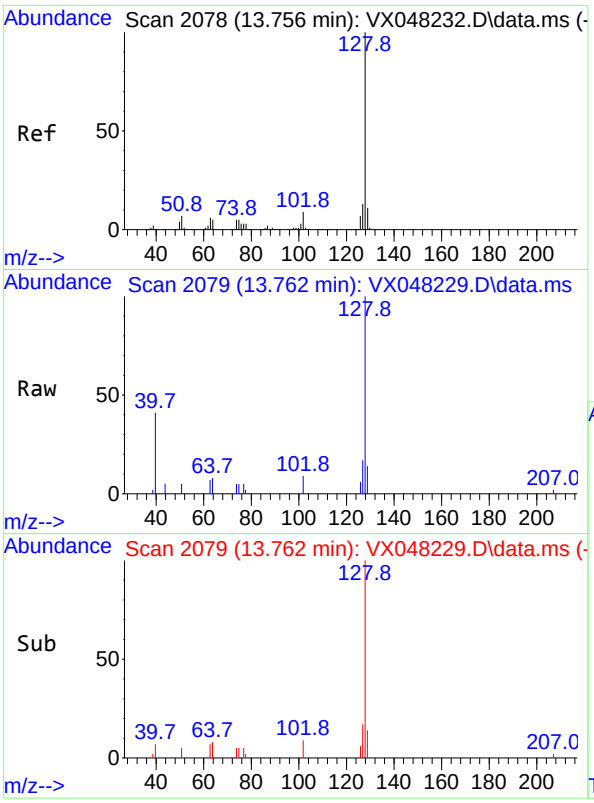




#94
Hexachlorobutadiene
Concen: 2.385 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:225 Resp: 1658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 67.8 | 32.6 | 97.7 |
| 227 | 67.7 | 32.5 | 97.4 |



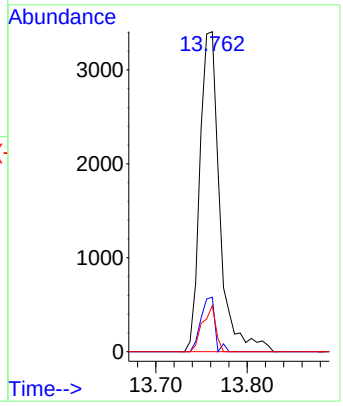


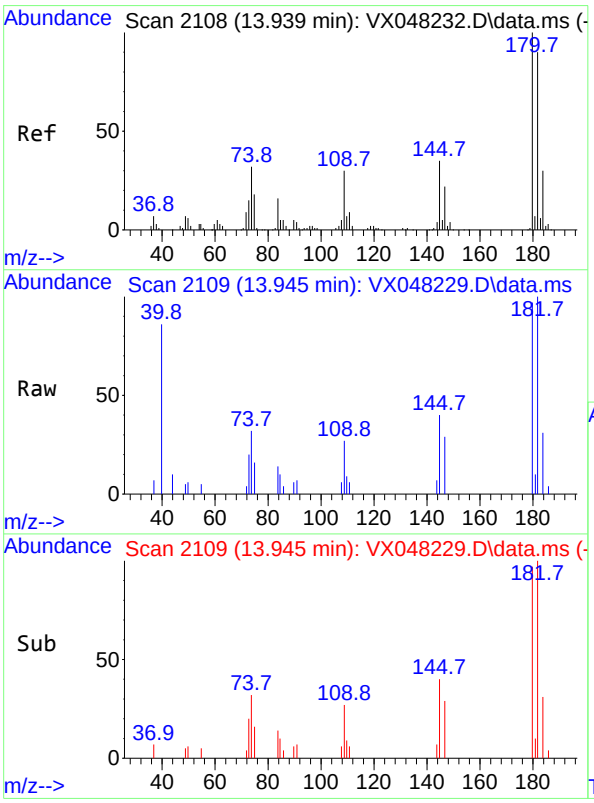

#95
Naphthalene
Concen: 1.013 ug/l
RT: 13.762 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

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

Tgt Ion:128 Resp: 5116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.1 | 10.2 | 15.4 |
| 129 | 9.7 | 8.6 | 12.8 |

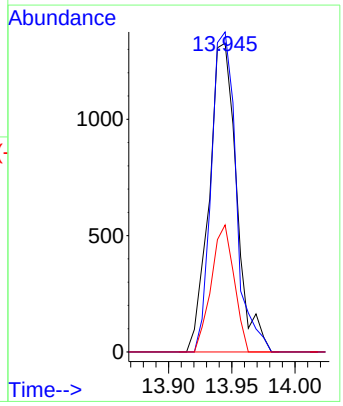



#96
1,2,3-Trichlorobenzene
Concen: 1.147 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:180 Resp: 2006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.5 | 46.6 | 139.7 |
| 145 | 34.1 | 16.9 | 50.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048231.D
Acq On : 20 Oct 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Oct 25 03:34:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 119626 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 195028 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 178975 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 90972 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 33936 | 20.233 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = | 40.460%# | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 26897 | 20.201 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 40.400%# | | |
| 50) Toluene-d8 | 8.635 | 98 | 92476 | 19.815 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = | 39.640%# | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 34724 | 19.558 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = | 39.120%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 24524 | 19.942 | ug/l | 98 |
| 3) Chloromethane | 1.300 | 50 | 22401 | 19.515 | ug/l | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 20913 | 19.675 | ug/l | 94 |
| 5) Bromomethane | 1.617 | 94 | 15473 | 21.449 | ug/l | 100 |
| 6) Chloroethane | 1.697 | 64 | 13249 | 21.212 | ug/l | 93 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 41824 | 20.516 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 12293 | 21.431 | ug/l | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 25843 | 20.019 | ug/l | 96 |
| 10) Methyl Iodide | 2.459 | 142 | 30452 | 18.764 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.947 | 59 | 16521 | 99.208 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 26209 | 20.868 | ug/l | 92 |
| 13) Acrolein | 2.239 | 56 | 15157 | 89.242 | ug/l | 99 |
| 14) Allyl chloride | 2.666 | 41 | 43494 | 20.859 | ug/l | 98 |
| 15) Acrylonitrile | 3.056 | 53 | 63931 | 106.465 | ug/l | 97 |
| 16) Acetone | 2.373 | 43 | 59884 | 104.075 | ug/l | 96 |
| 17) Carbon Disulfide | 2.520 | 76 | 77142 | 19.489 | ug/l | 98 |
| 18) Methyl Acetate | 2.703 | 43 | 26374 | 21.948 | ug/l | 92 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 91349 | 21.321 | ug/l | 100 |
| 20) Methylene Chloride | 2.794 | 84 | 31157 | 22.223 | ug/l | 88 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 28001 | 20.297 | ug/l | 94 |
| 22) Diisopropyl ether | 3.751 | 45 | 90030 | 21.648 | ug/l | 87 |
| 23) Vinyl Acetate | 3.715 | 43 | 364009 | 109.571 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 51927 | 20.649 | ug/l | 98 |
| 25) 2-Butanone | 4.544 | 43 | 78643 | 107.982 | ug/l | 95 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 46568 | 20.516 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 33508 | 20.812 | ug/l | 98 |
| 28) Bromochloromethane | 4.891 | 49 | 19339 | 18.547 | ug/l | 90 |
| 29) Tetrahydrofuran | 4.995 | 42 | 47457 | 108.802 | ug/l | 94 |
| 30) Chloroform | 5.080 | 83 | 57780 | 21.506 | ug/l | 99 |
| 31) Cyclohexane | 5.464 | 56 | 42796 | 20.556 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 51929 | 20.972 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 38270 | 20.223 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 30904 | 19.702 | ug/l # | 95 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 46323 | 19.841 | ug/l | 98 |
| 39) Methylcyclohexane | 7.366 | 83 | 42776 | 19.140 | ug/l | 94 |
| 40) Benzene | 6.025 | 78 | 115488 | 21.020 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048231.D
Acq On : 20 Oct 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Oct 25 03:34:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 18461 | 22.411 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 44176 | 21.789 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.324 | 43 | 55317 | 21.469 | ug/l | | 96 |
| 44) Trichloroethene | 7.110 | 130 | 29108 | 20.064 | ug/l | | 90 |
| 45) 1,2-Dichloropropane | 7.421 | 63 | 28242 | 21.620 | ug/l | | 97 |
| 46) Dibromomethane | 7.568 | 93 | 21605 | 21.229 | ug/l | | 92 |
| 47) Bromodichloromethane | 7.805 | 83 | 46221 | 21.034 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.677 | 41 | 27751 | 21.344 | ug/l | | 94 |
| 49) 1,4-Dioxane | 7.647 | 88 | 7620 | 443.623 | ug/l | | 91 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 164708 | 110.873 | ug/l | | 94 |
| 52) Toluene | 8.702 | 92 | 73623 | 21.093 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 45416 | 21.447 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 47130 | 20.629 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 27884 | 21.482 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 41809 | 22.021 | ug/l | | 93 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 47896 | 21.602 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 104883 | 103.739 | ug/l | | 96 |
| 59) 2-Hexanone | 9.415 | 43 | 116268 | 112.243 | ug/l | | 95 |
| 60) Dibromochloromethane | 9.506 | 129 | 37127 | 21.281 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.598 | 107 | 30639 | 22.141 | ug/l | | 96 |
| 64) Tetrachloroethene | 9.256 | 164 | 27043 | 20.240 | ug/l | | 89 |
| 65) Chlorobenzene | 10.061 | 112 | 83004 | 20.617 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 30278 | 20.475 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 139895 | 20.409 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 107377 | 42.161 | ug/l | | 100 |
| 69) o-Xylene | 10.622 | 106 | 50950 | 20.721 | ug/l | | 98 |
| 70) Styrene | 10.640 | 104 | 88481 | 21.134 | ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 25027 | 21.175 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 133034 | 20.021 | ug/l | | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 48726 | 20.674 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 38748 | 21.354 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 40571 | 27.501 | ug/l | | 84 |
| 77) Bromobenzene | 11.183 | 156 | 33843 | 20.313 | ug/l | | 95 |
| 78) n-propylbenzene | 11.286 | 91 | 154839 | 20.126 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 95156 | 20.401 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 112057 | 20.379 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 12001 | 19.791 | ug/l | | 94 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 113495 | 20.498 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.695 | 119 | 112305 | 19.878 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 111976 | 20.405 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 134014 | 19.716 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 114969 | 19.568 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 63377 | 20.178 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 65612 | 20.165 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 102140 | 19.100 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 22609 | 19.487 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 59345 | 20.125 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 7983 | 21.674 | ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 35465 | 17.784 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 14529 | 19.483 | ug/l | | 98 |
| 95) Naphthalene | 13.756 | 128 | 104803 | 19.836 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.945 | 180 | 34276 | 18.730 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048231.D
Acq On : 20 Oct 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Oct 25 03:34:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

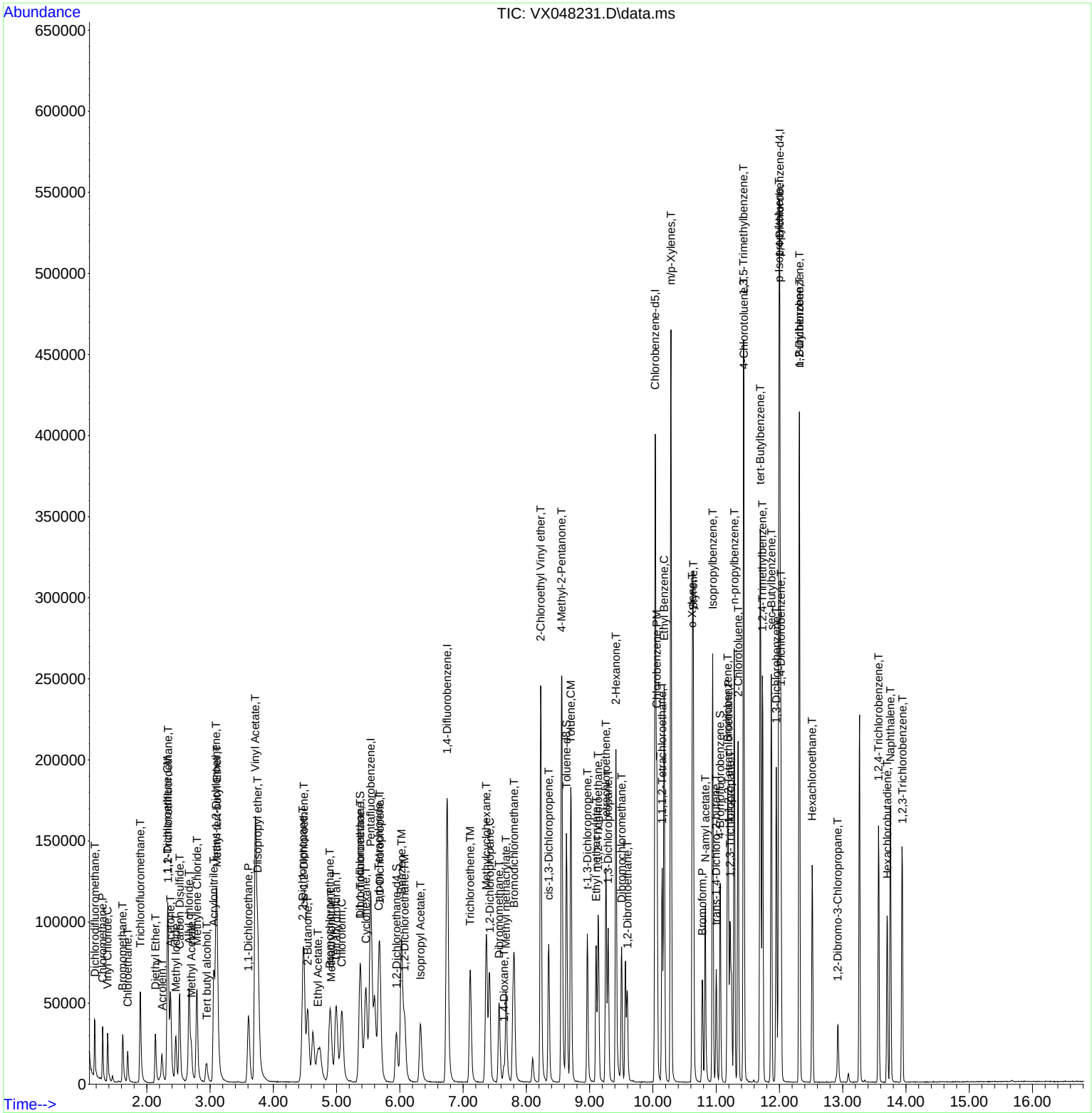
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

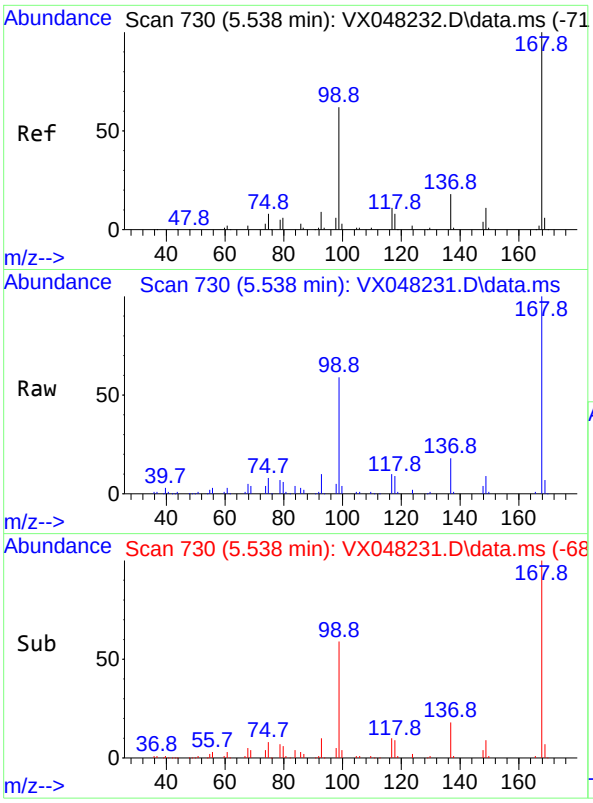
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048231.D
Acq On : 20 Oct 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Oct 25 03:34:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



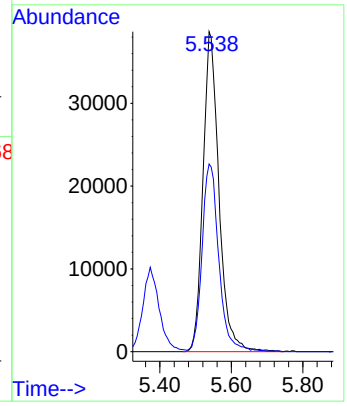


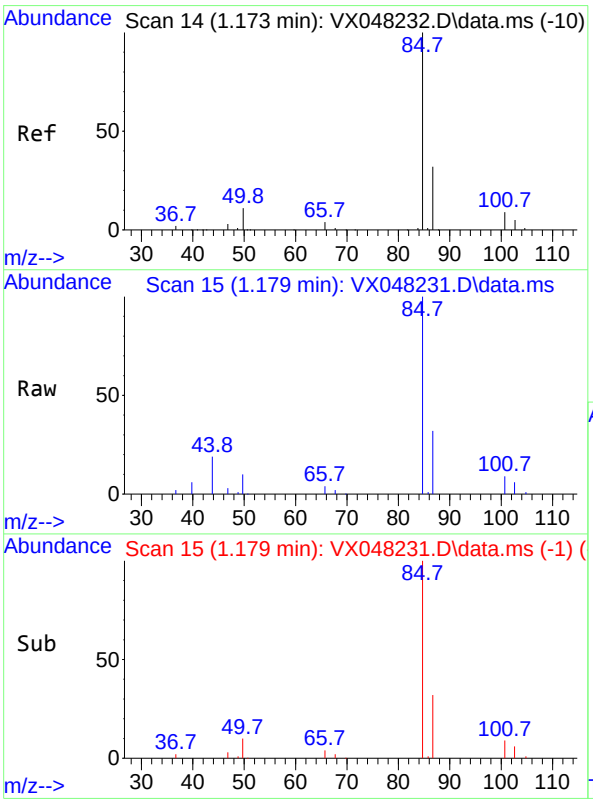

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:168 Resp: 119626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.7 | 46.4 | 69.6 |

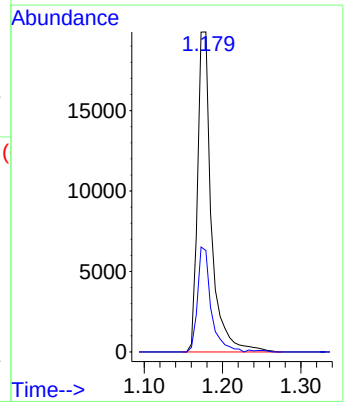


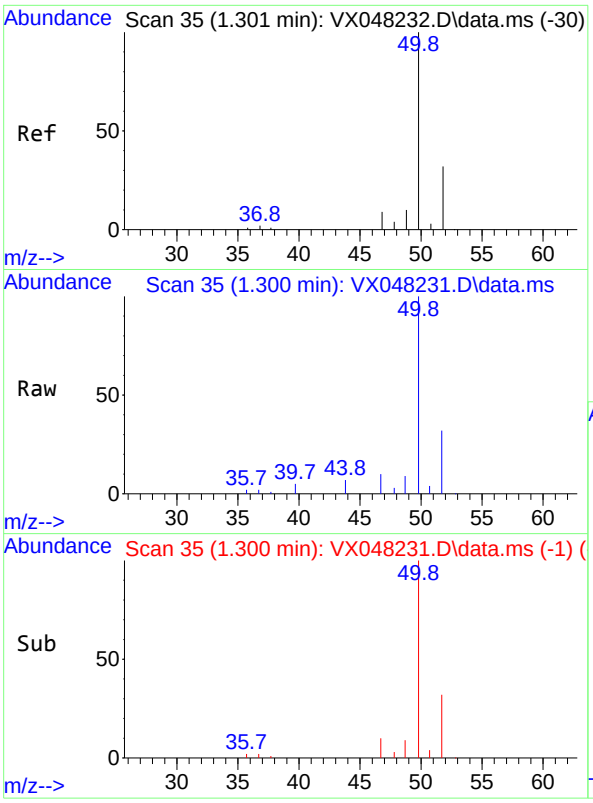




#2
Dichlorodifluoromethane
Concen: 19.942 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 85 Resp: 24524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 15.3 | 45.9 |



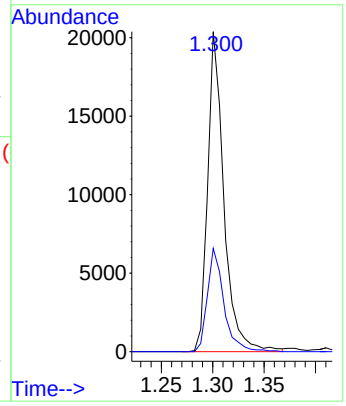


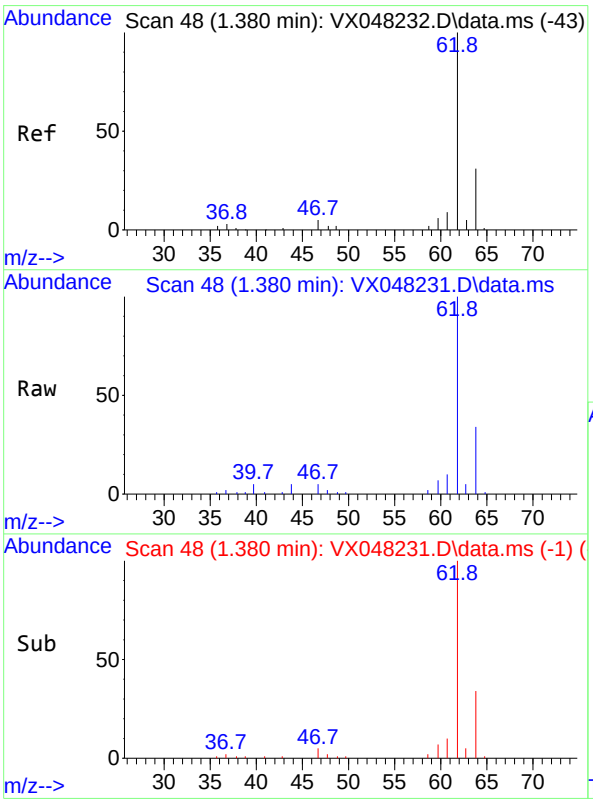

#3
Chloromethane
Concen: 19.515 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 50 Resp: 22401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 25.9 | 38.9 |

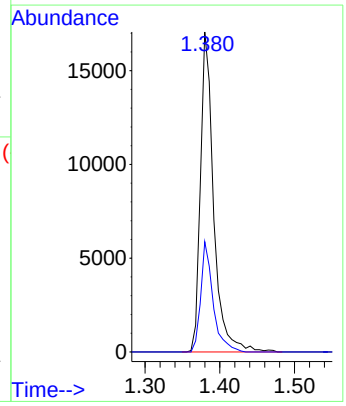


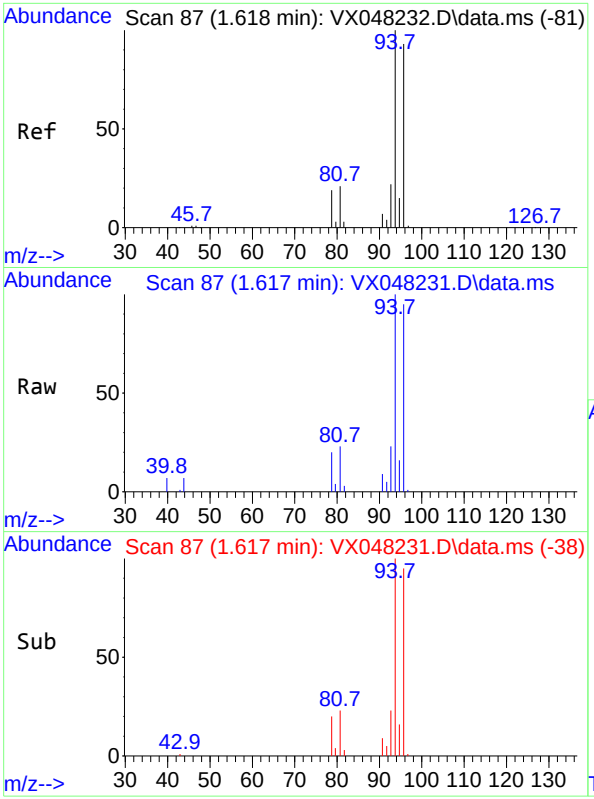




#4
Vinyl Chloride
Concen: 19.675 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 62 Resp: 20913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 34.5 | 25.1 | 37.7 |



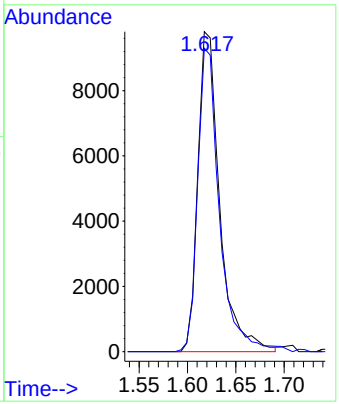


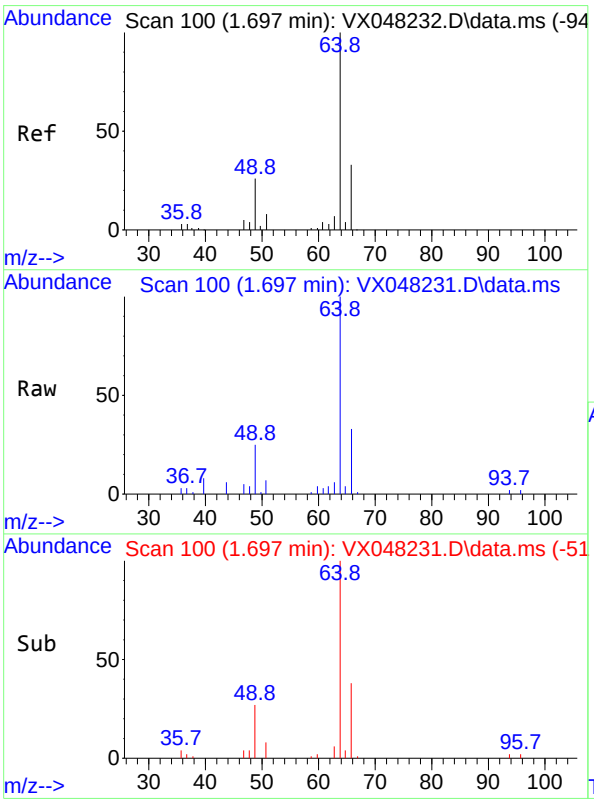

#5
Bromomethane
Concen: 21.449 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 94 Resp: 15473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.8 | 76.0 | 114.0 |

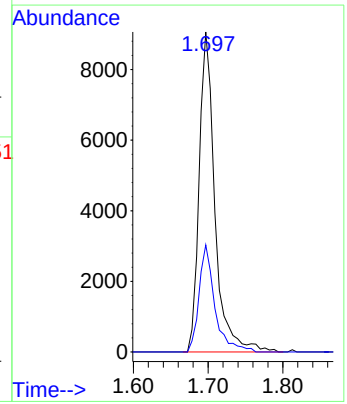


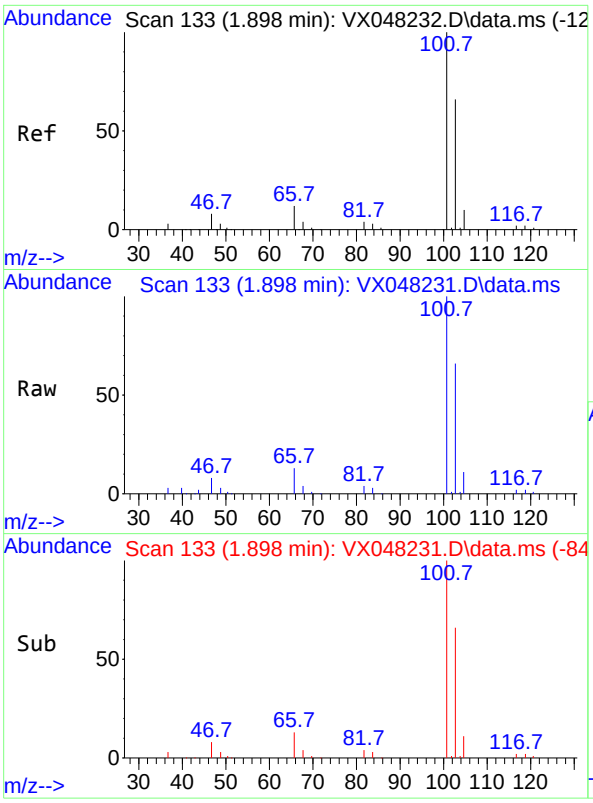




#6
Chloroethane
Concen: 21.212 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 64 Resp: 13249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.4 | 23.9 | 35.9 |



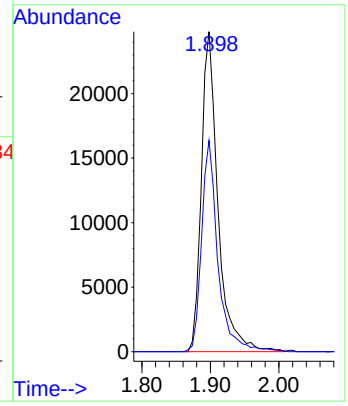


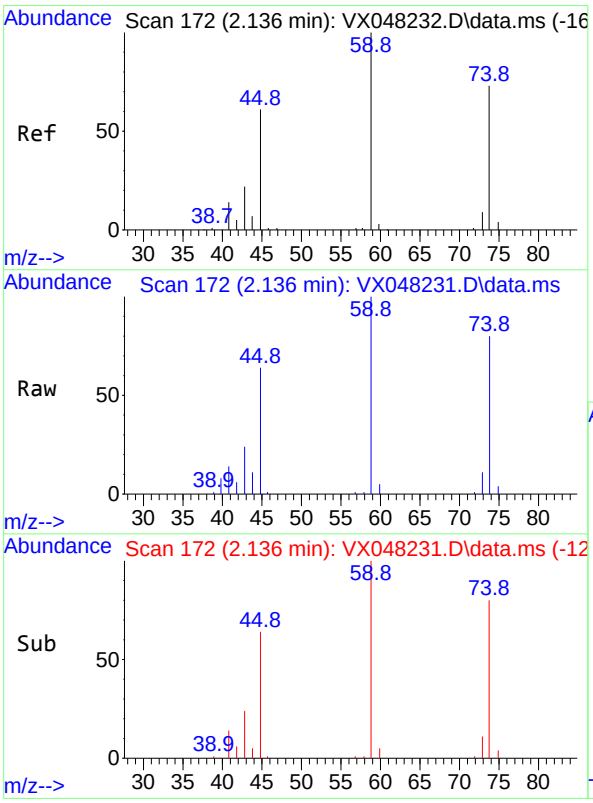

#7
Trichlorofluoromethane
Concen: 20.516 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 41824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.0 | 51.6 | 77.4 |

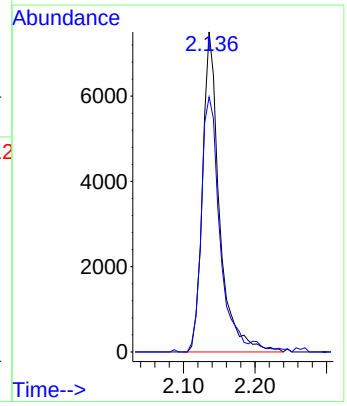


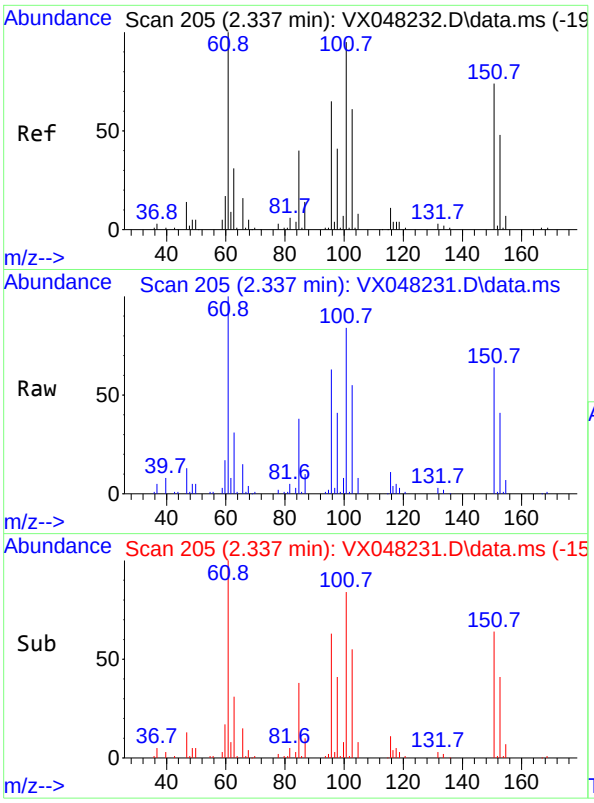




#8
Diethyl Ether
Concen: 21.431 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 74 Resp: 12293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 86.6 | 50.0 | 149.8 |



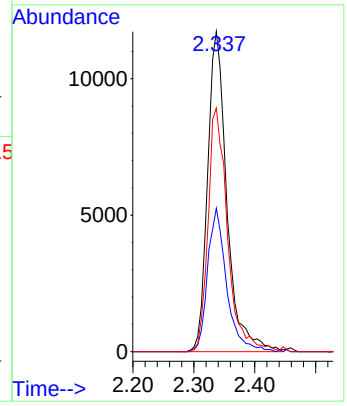


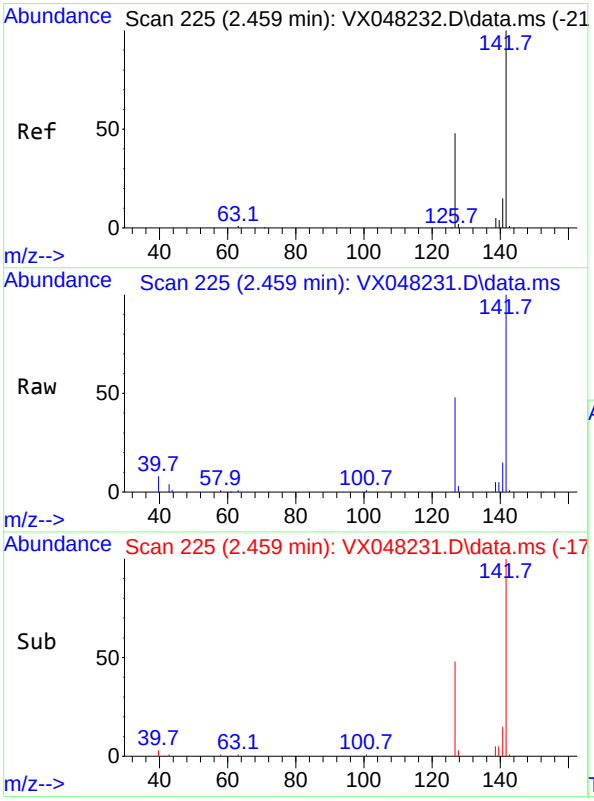

#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.019 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 25843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.1 | 35.6 | 53.4 |
| 151 | 76.9 | 58.0 | 87.0 |

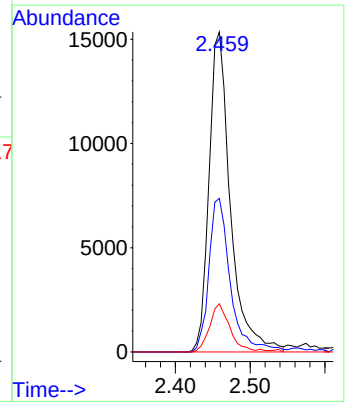


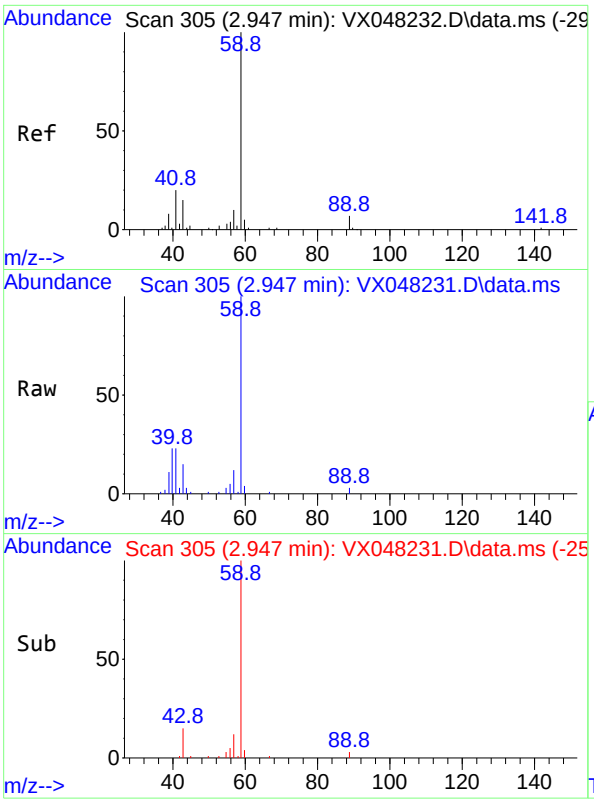




#10
Methyl Iodide
Concen: 18.764 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:142 Resp: 30452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.4 | 38.5 | 57.7 |
| 141 | 14.2 | 11.6 | 17.4 |



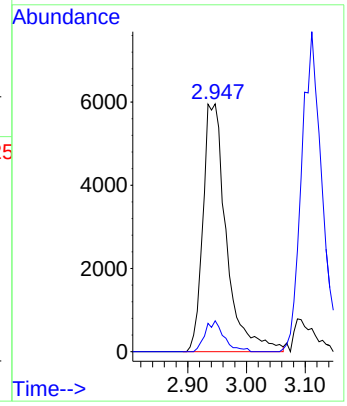


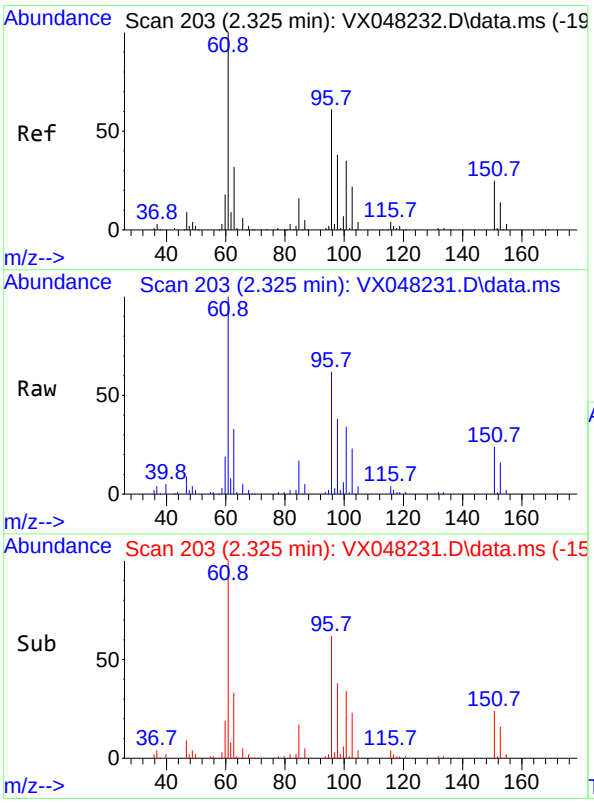

#11
Tert butyl alcohol
Concen: 99.208 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 59 Resp: 16521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.1 | 8.2 | 12.4 |

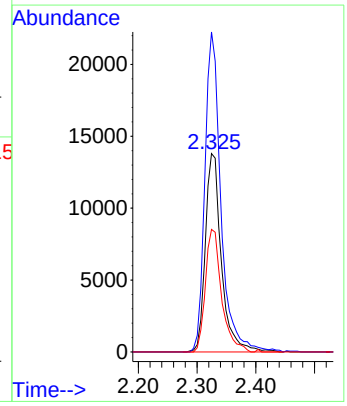


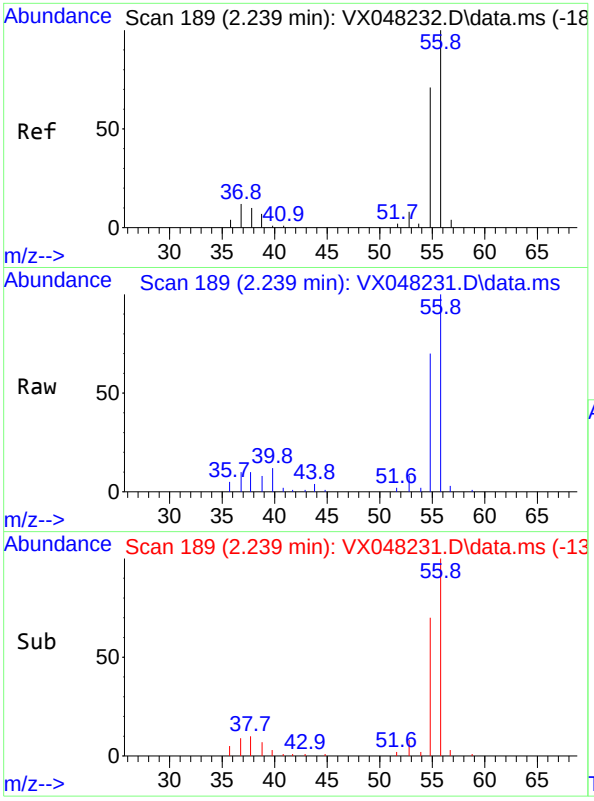




#12
1,1-Dichloroethene
Concen: 20.868 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 96 Resp: 26209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.3 | 139.0 | 208.6 |
| 98 | 61.7 | 52.4 | 78.6 |



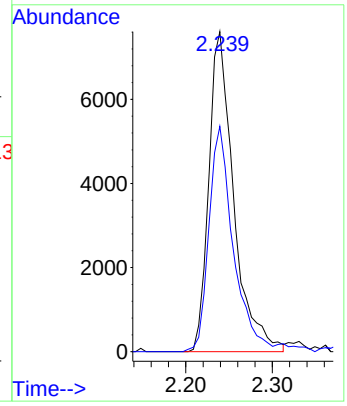


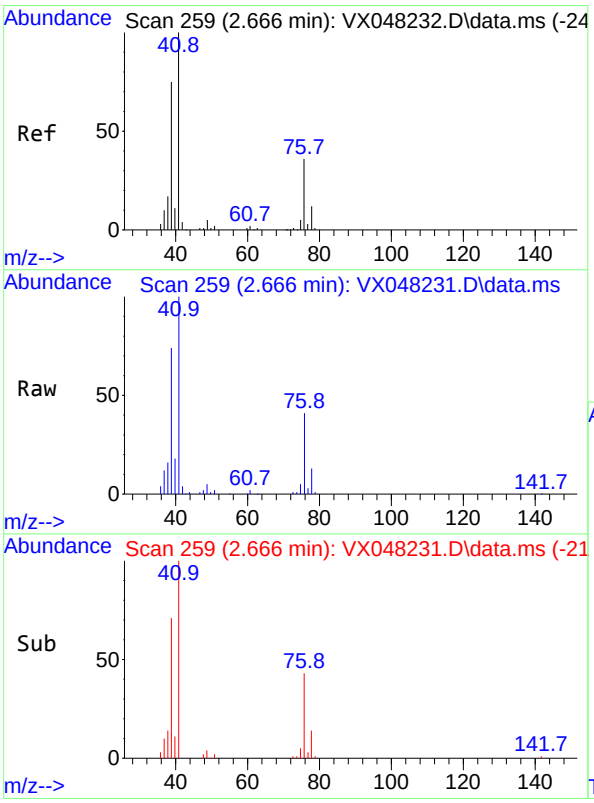

#13
Acrolein
Concen: 89.242 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 15157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.8 | 56.1 | 84.1 |

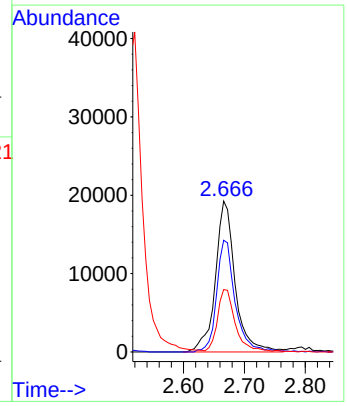


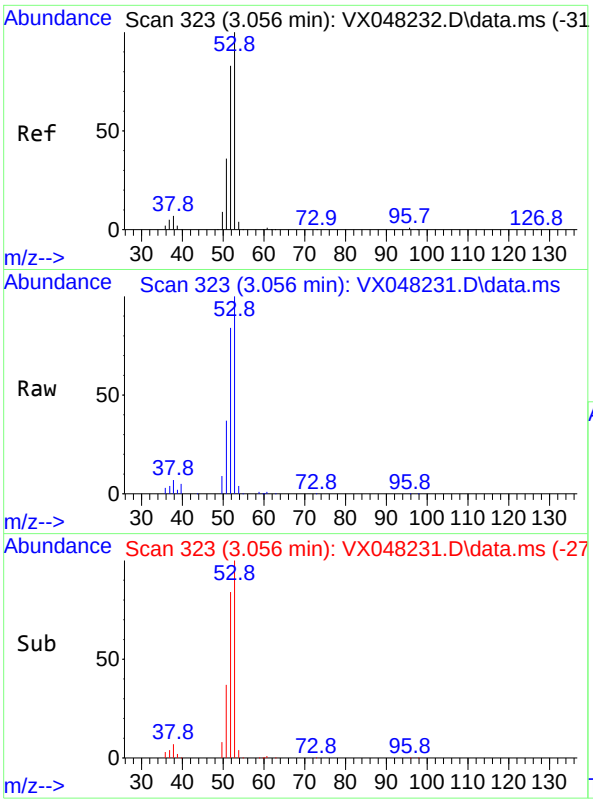




#14
Allyl chloride
Concen: 20.859 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 41 Resp: 43494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 69.2 | 56.0 | 84.0 |
| 76 | 36.0 | 27.5 | 41.3 |



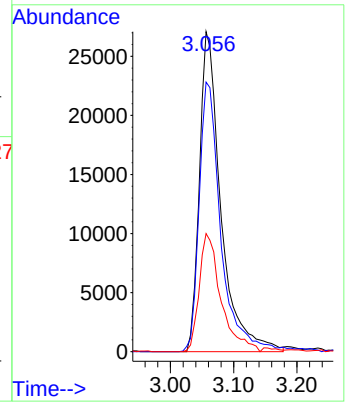


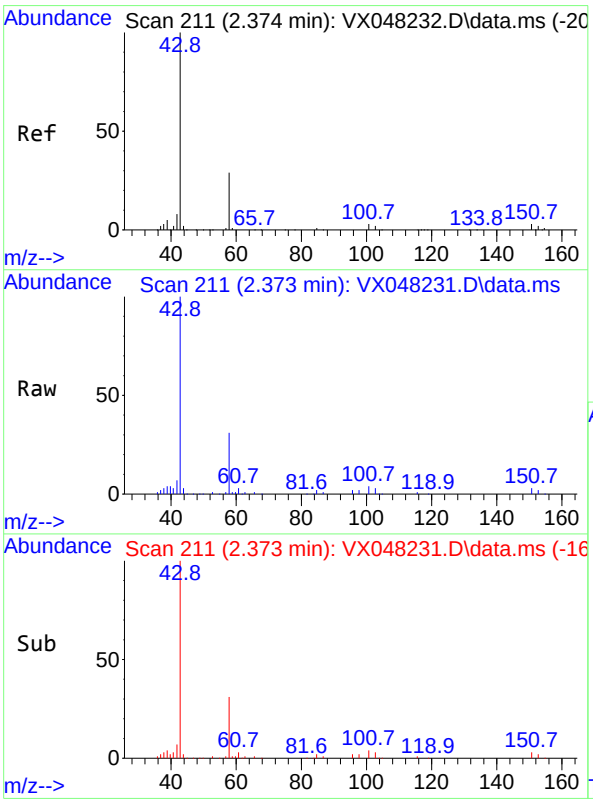

#15
Acrylonitrile
Concen: 106.465 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 53 Resp: 63931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 86.2 | 66.1 | 99.1 |
| 51 | 37.4 | 29.0 | 43.4 |

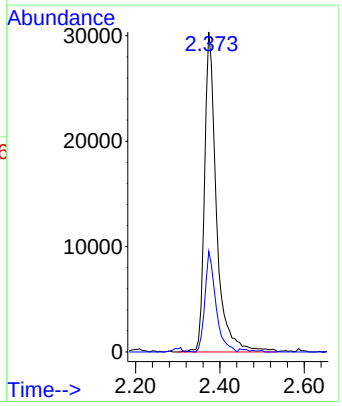


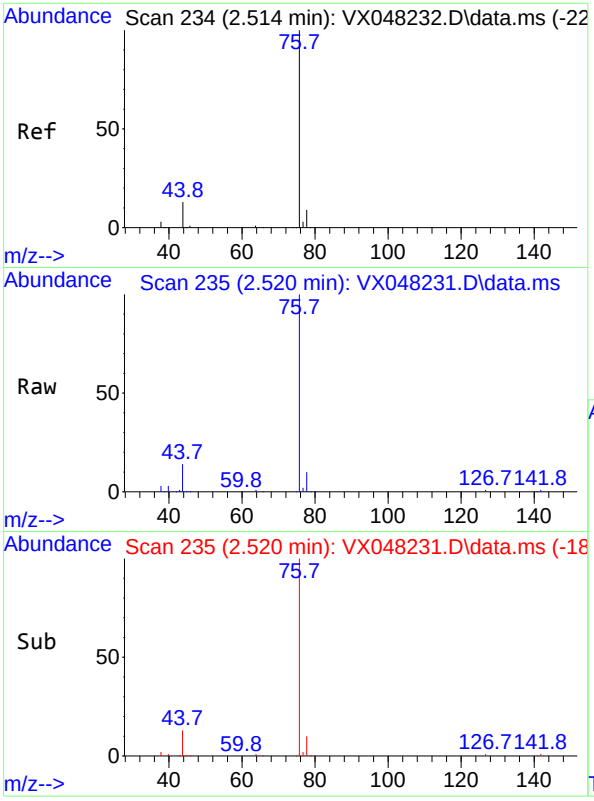




#16
Acetone
Concen: 104.075 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 59884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.3 | 23.4 | 35.2 |



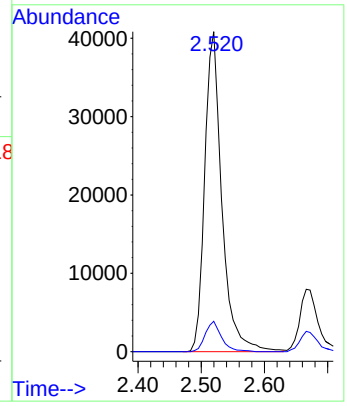


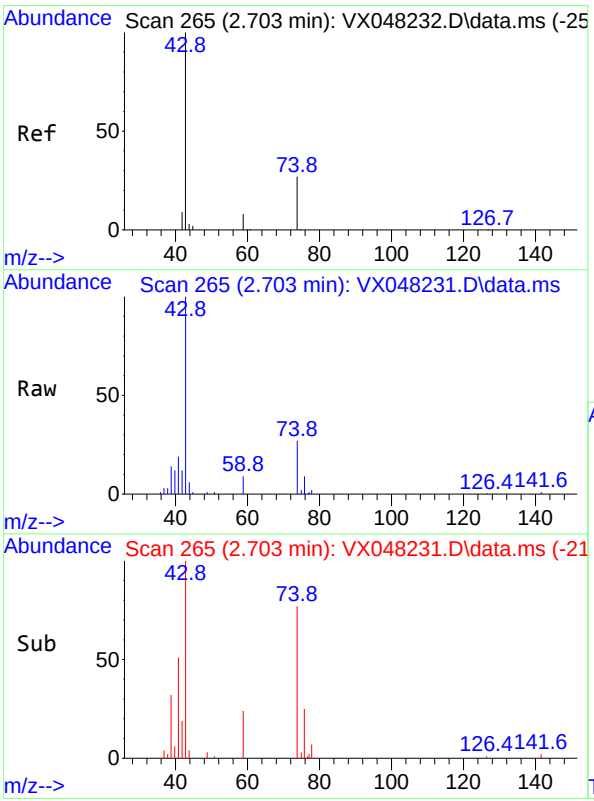

#17
Carbon Disulfide
Concen: 19.489 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 77142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.1 | 10.7 |

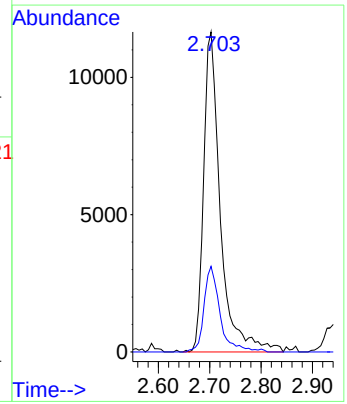


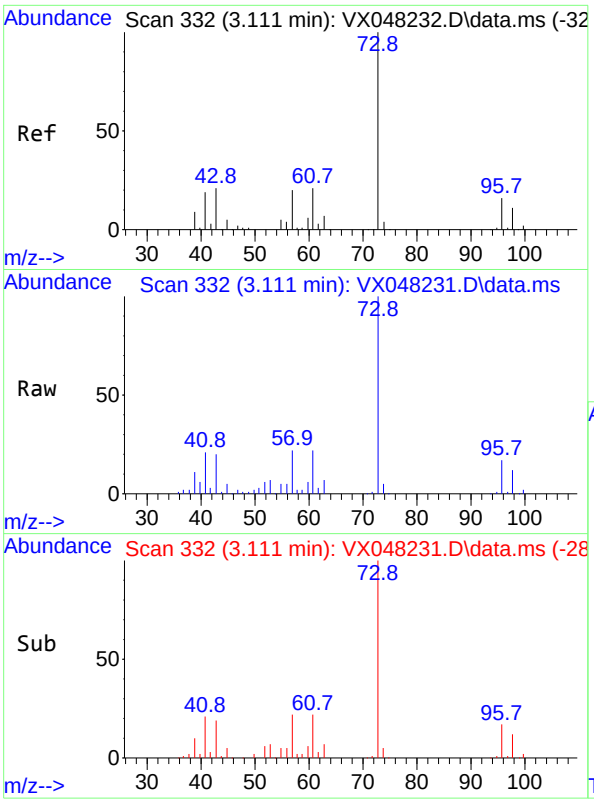




#18
Methyl Acetate
Concen: 21.948 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 26374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.7 | 17.5 | 26.3 |



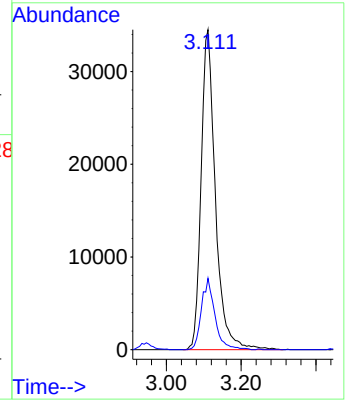


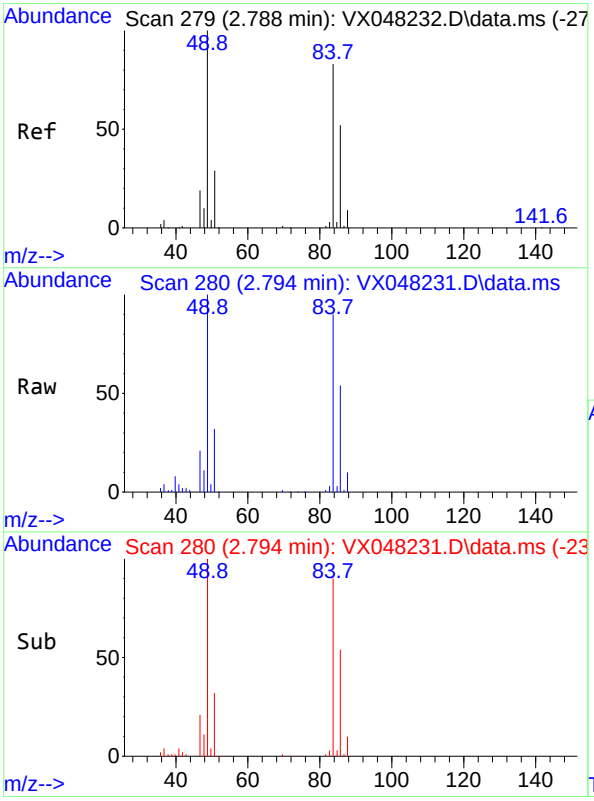

#19
Methyl tert-butyl Ether
Concen: 21.321 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 73 Resp: 91349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.3 | 17.7 | 26.5 |

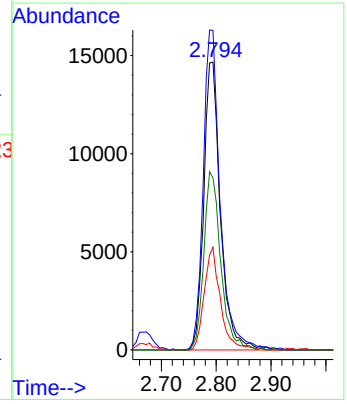


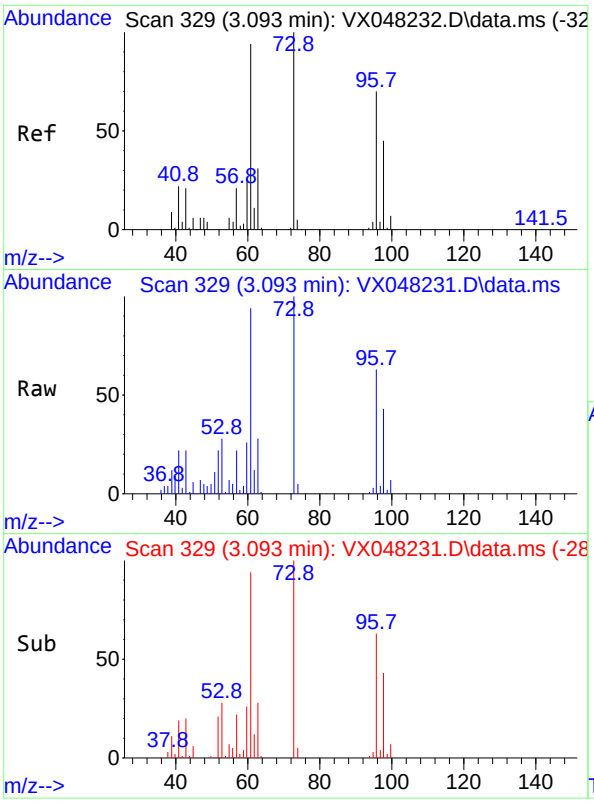




#20
Methylene Chloride
Concen: 22.223 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 84 Resp: 31157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 111.1 | 104.1 | 156.1 |
| 51 | 35.7 | 31.3 | 46.9 |
| 86 | 59.8 | 51.3 | 76.9 |



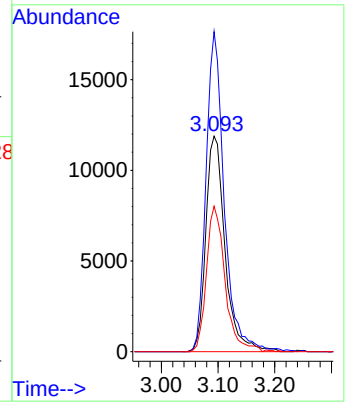


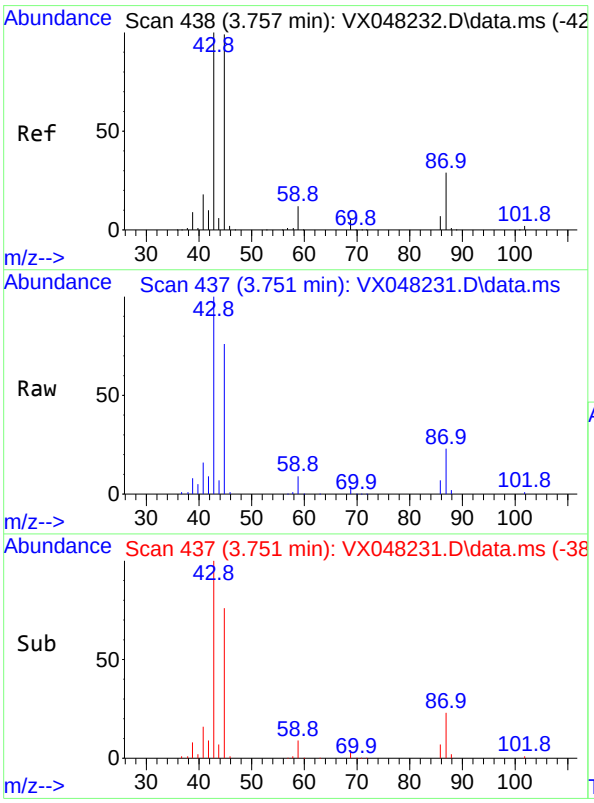

#21
trans-1,2-Dichloroethene
Concen: 20.297 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 28001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.5 | 111.9 | 167.9 |
| 98 | 67.5 | 51.2 | 76.8 |

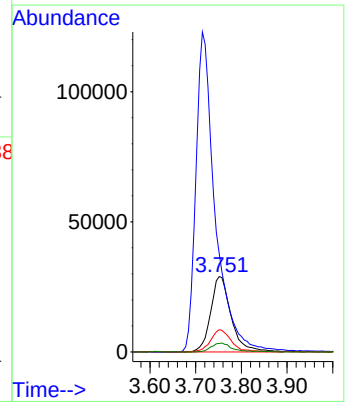


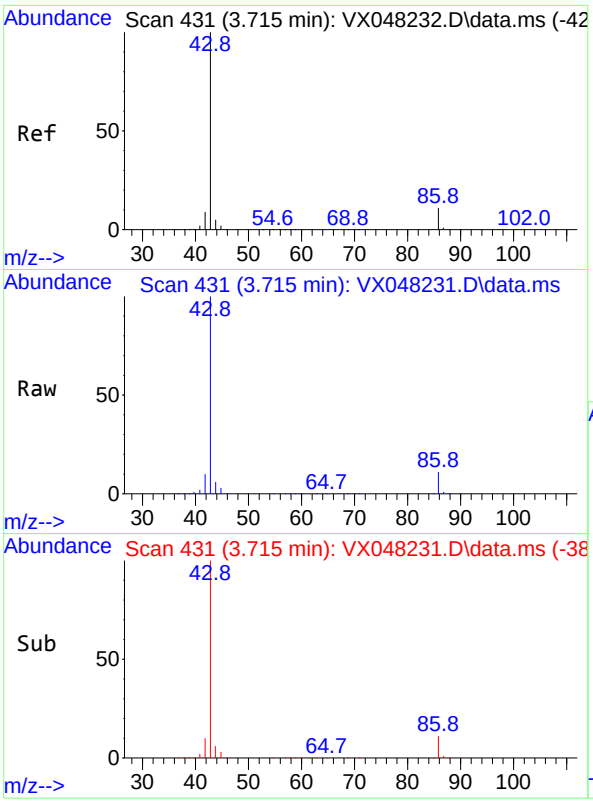




#22
Diisopropyl ether
Concen: 21.648 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 45 Resp: 90030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 129.3 | 89.8 | 134.8 |
| 87 | 29.6 | 20.6 | 31.0 |
| 59 | 11.3 | 9.1 | 13.7 |



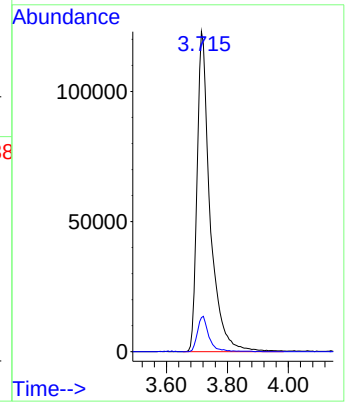


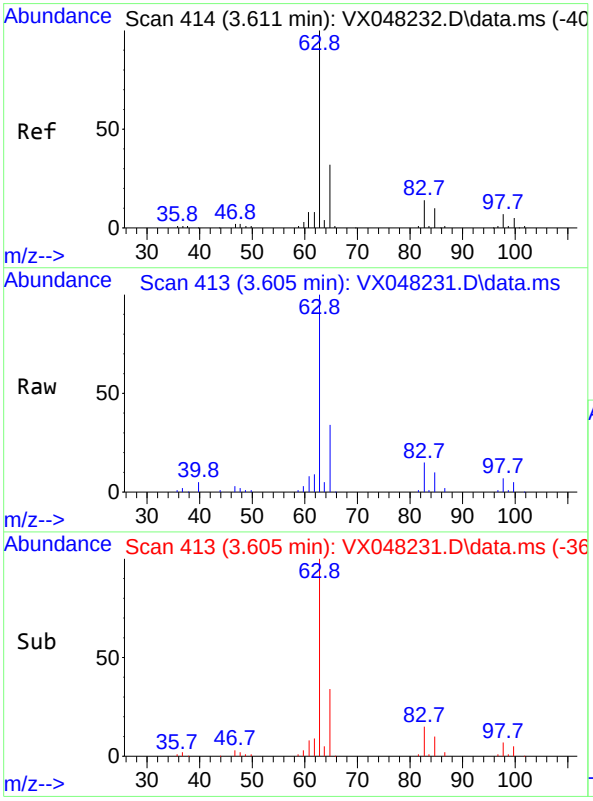

#23
Vinyl Acetate
Concen: 109.571 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 364009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.6 | 7.9 | 11.9 |

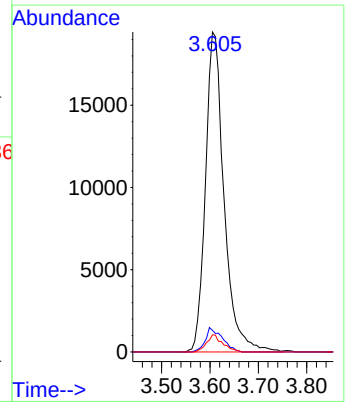


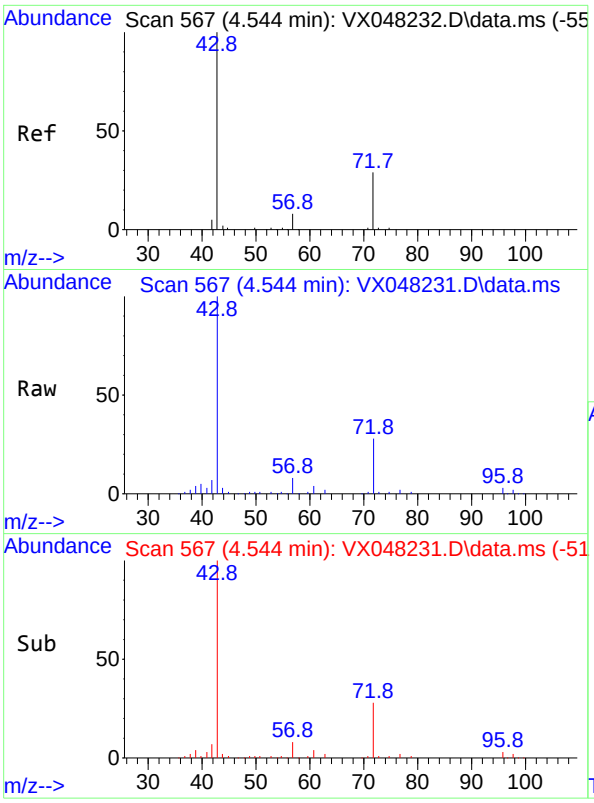




#24
1,1-Dichloroethane
Concen: 20.649 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 63 Resp: 51927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.5 | 10.6 |
| 100 | 5.4 | 2.1 | 6.3 |



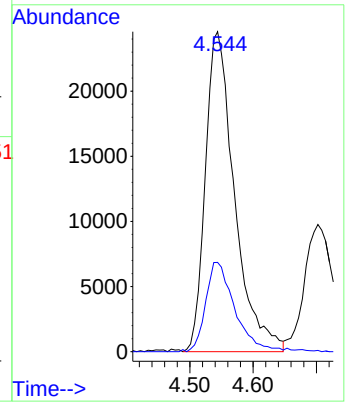


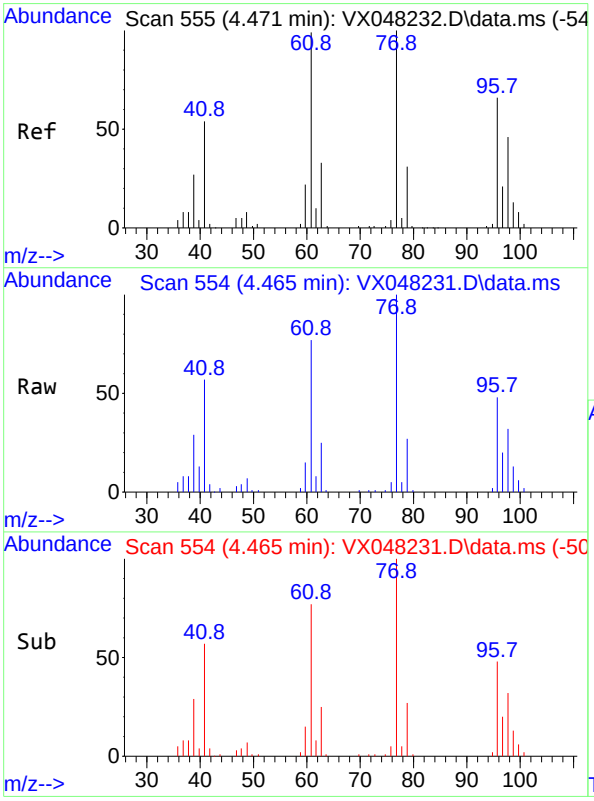

#25
2-Butanone
Concen: 107.982 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 78643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.6 | 19.9 | 29.9 |

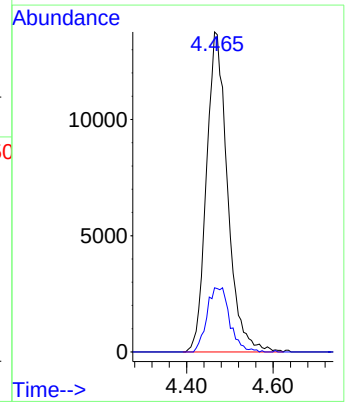


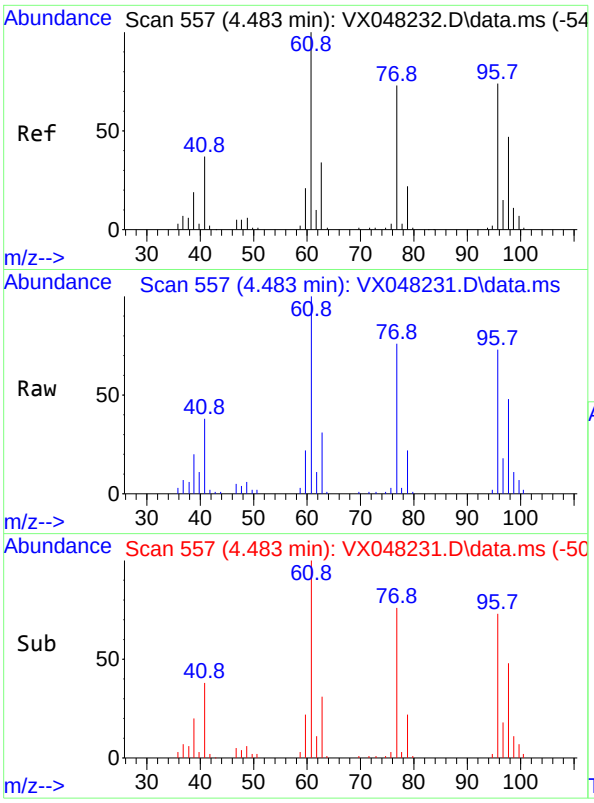




#26
2,2-Dichloropropane
Concen: 20.516 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 77 Resp: 46568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.7 | 11.1 | 33.3 |



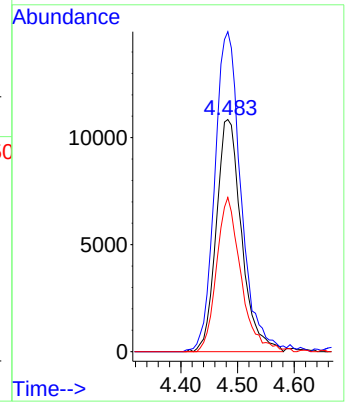


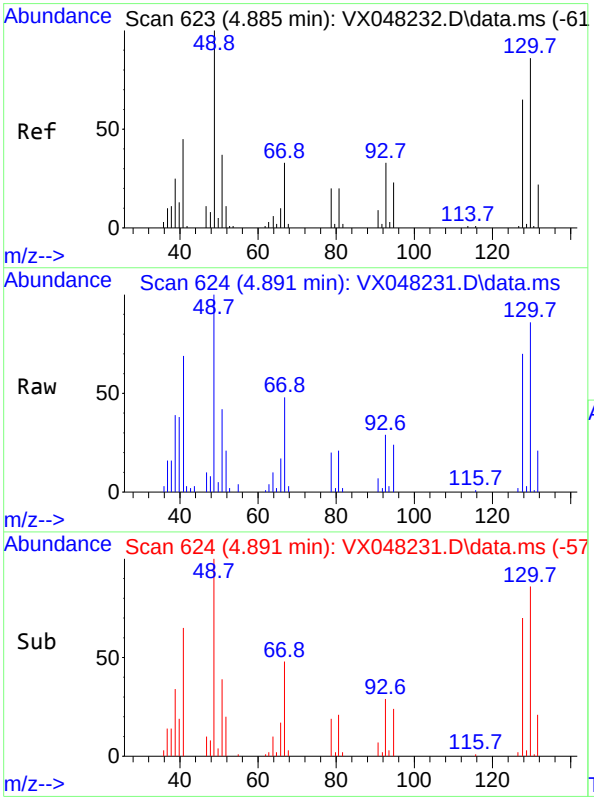

#27
cis-1,2-Dichloroethene
Concen: 20.812 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 33508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.9 | 0.0 | 294.2 |
| 98 | 64.3 | 0.0 | 128.4 |

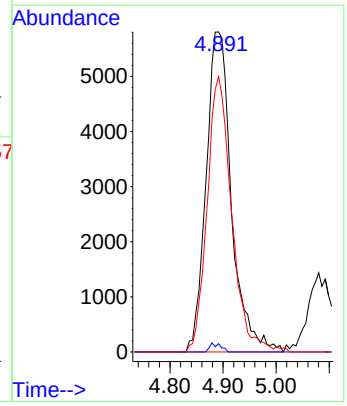


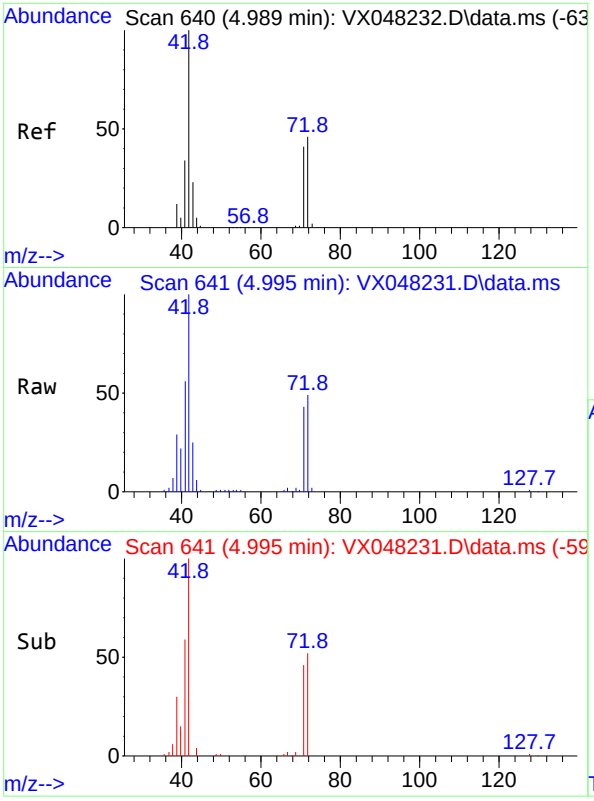




#28
Bromochloromethane
Concen: 18.547 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 49 Resp: 19339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.2 | 0.0 | 4.4 |
| 130 | 82.7 | 59.3 | 88.9 |



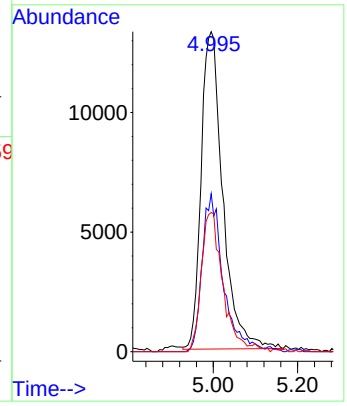


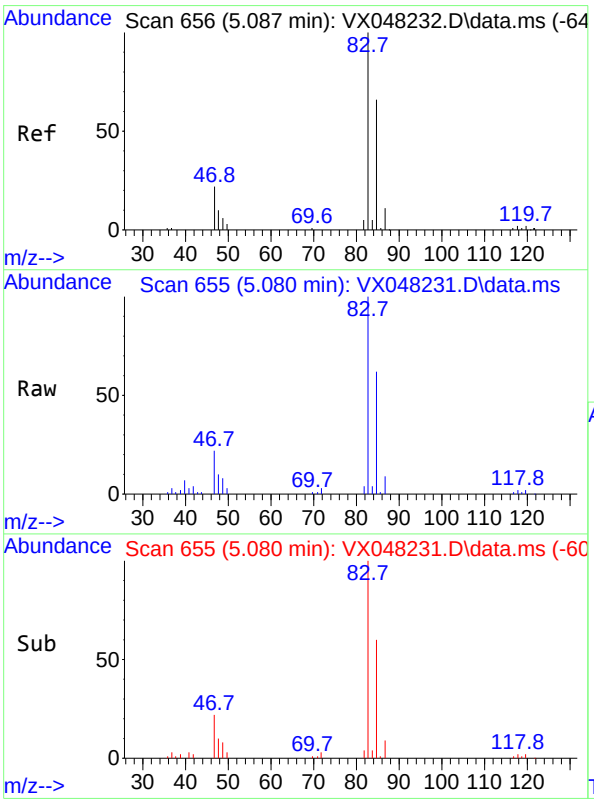

#29
Tetrahydrofuran
Concen: 108.802 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 42 Resp: 47457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.5 | 35.3 | 52.9 |
| 71 | 43.2 | 32.2 | 48.4 |

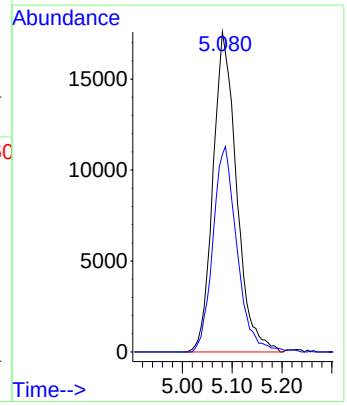


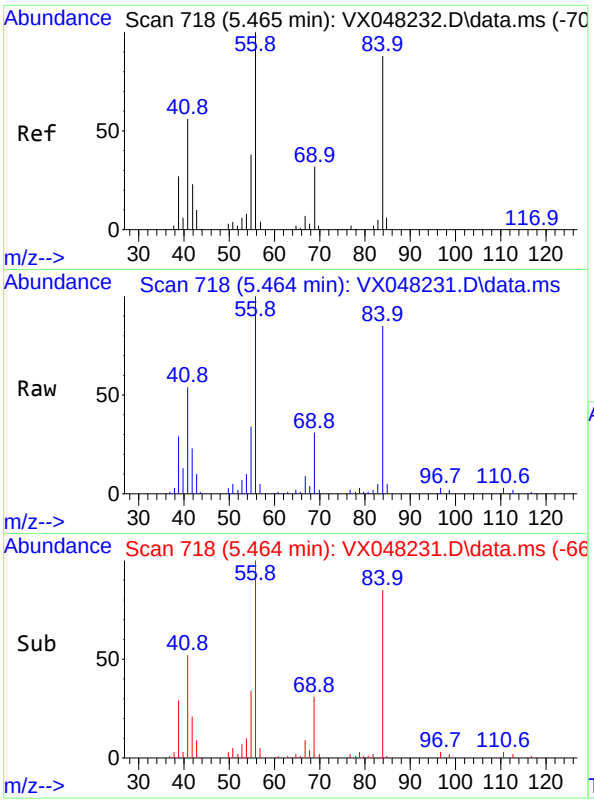




#30
Chloroform
Concen: 21.506 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 83 Resp: 57780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 50.1 | 75.1 |



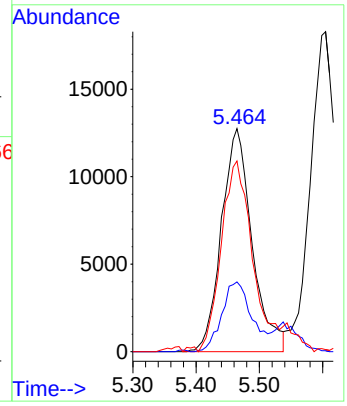


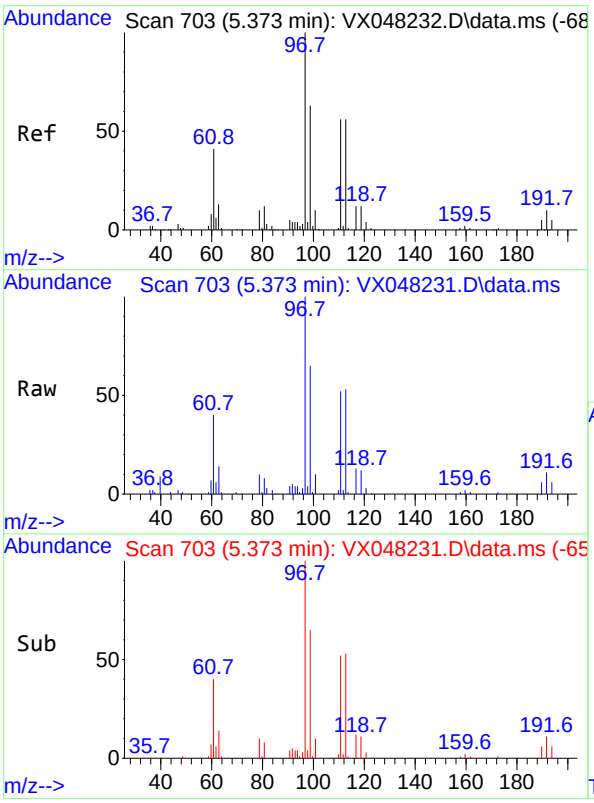

#31
Cyclohexane
Concen: 20.556 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 42796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.6 | 23.0 | 34.6 |
| 84 | 85.5 | 64.6 | 97.0 |

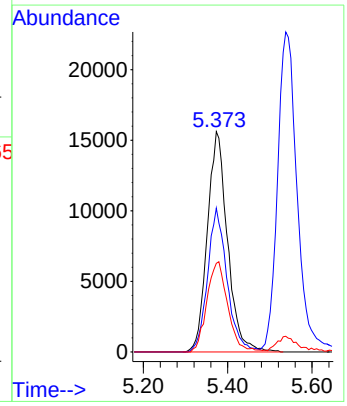


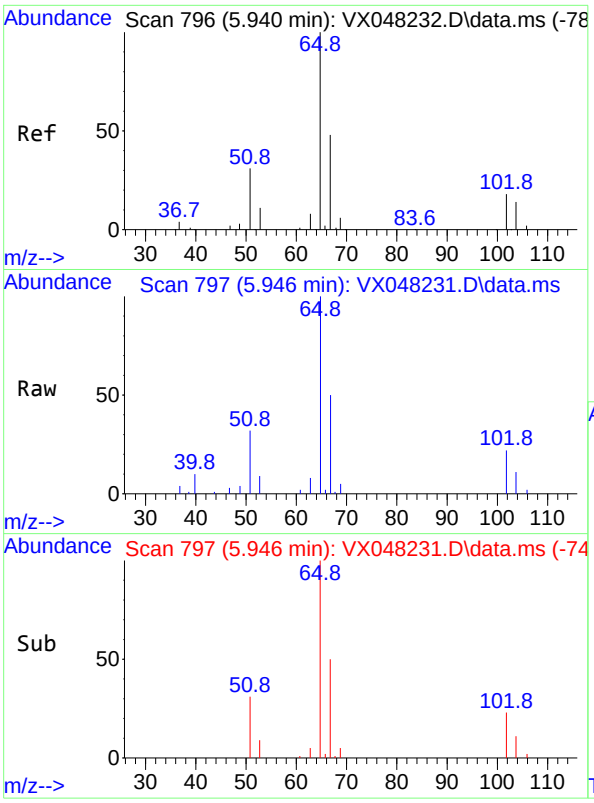




#32
1,1,1-Trichloroethane
Concen: 20.972 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 97 Resp: 51929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.0 | 51.7 | 77.5 |
| 61 | 42.4 | 34.8 | 52.2 |



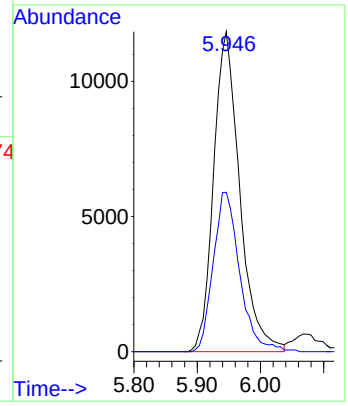


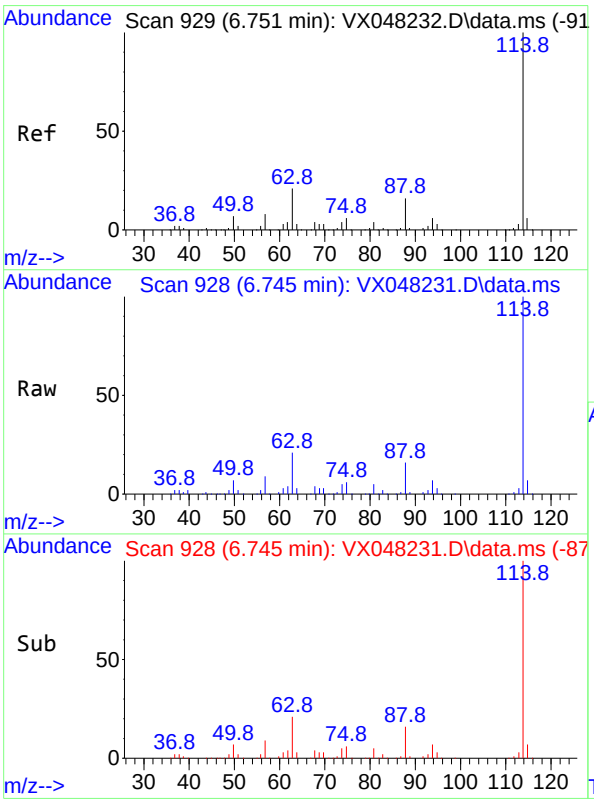

#33
1,2-Dichloroethane-d4
Concen: 20.233 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 65 Resp: 33936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 105.0 |

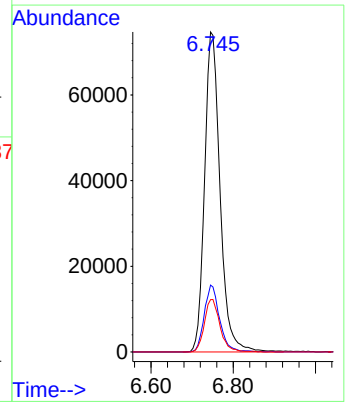


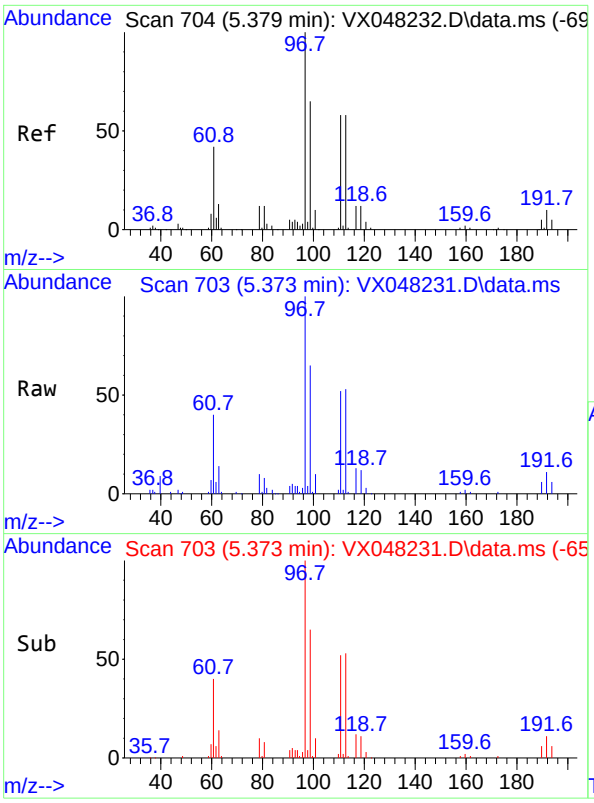




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:114 Resp: 195028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.9 | 0.0 | 43.2 |
| 88 | 16.4 | 0.0 | 33.6 |



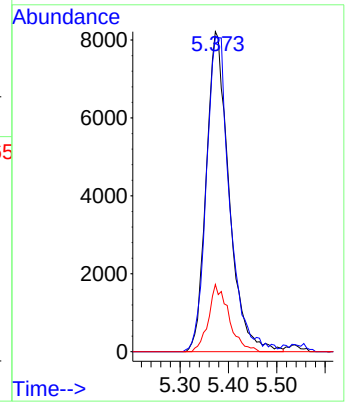


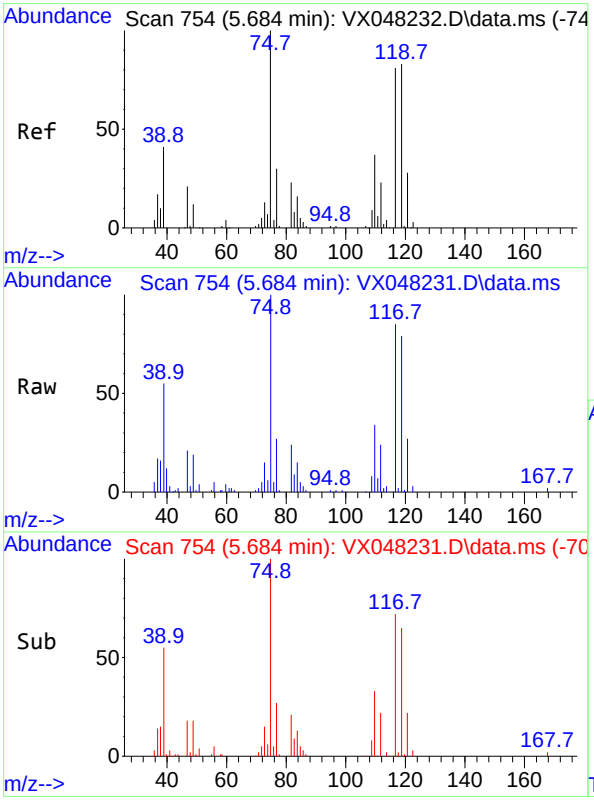

#35
Dibromofluoromethane
Concen: 20.201 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:113 Resp: 26897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.7 | 82.2 | 123.4 |
| 192 | 18.8 | 15.1 | 22.7 |

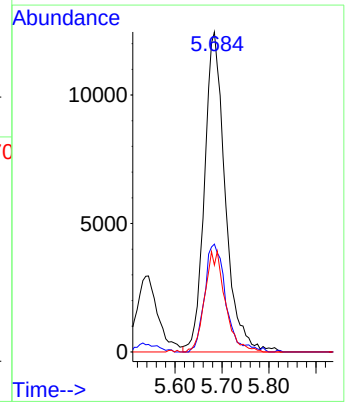


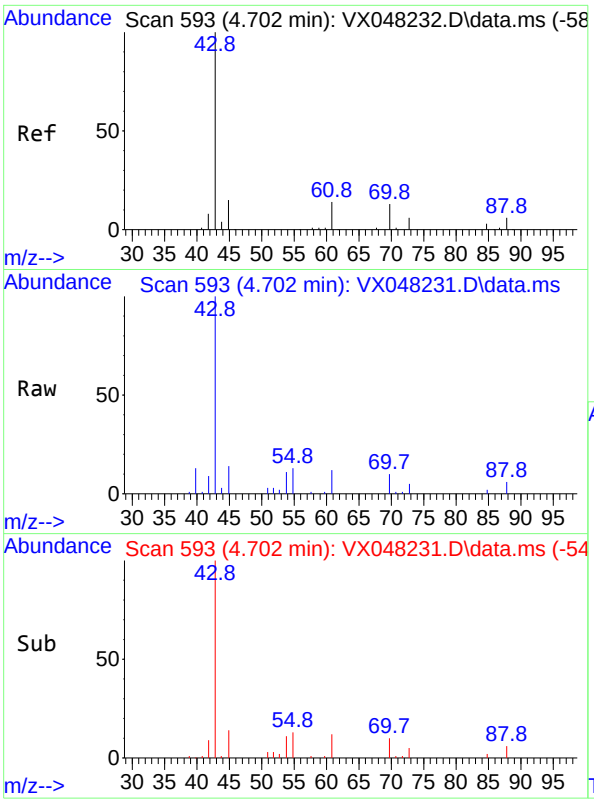




#36
1,1-Dichloropropene
Concen: 20.223 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 38270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 17.7 | 53.1 |
| 77 | 31.1 | 24.3 | 36.5 |



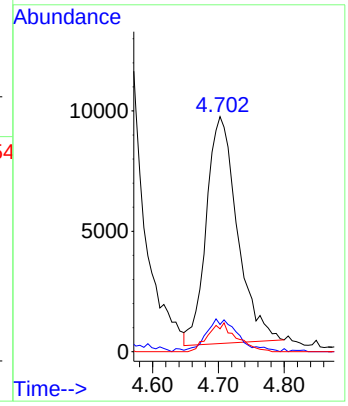


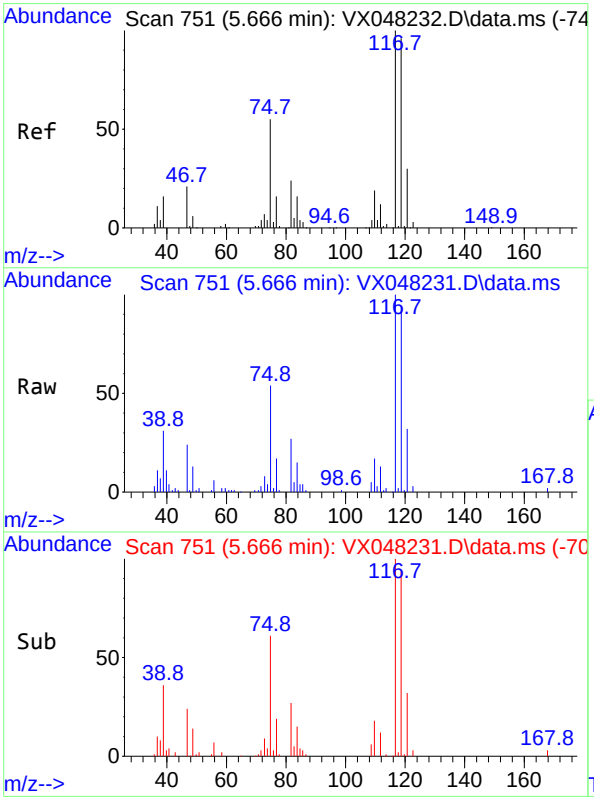

#37
Ethyl Acetate
Concen: 19.702 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 30904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.8 | 10.6 | 15.8 |
| 70 | 11.7 | 7.8 | 11.6# |

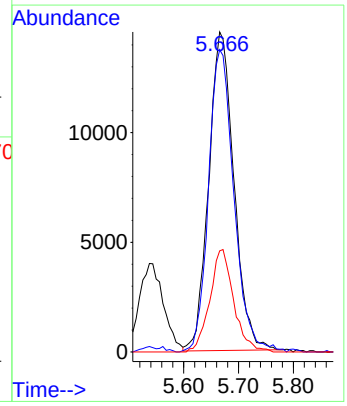


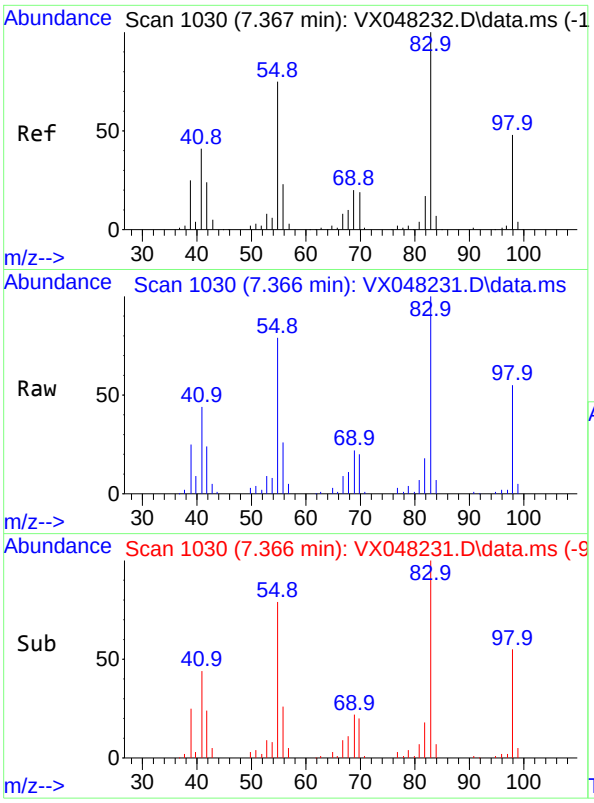




#38
Carbon Tetrachloride
Concen: 19.841 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:117 Resp: 46323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 77.2 | 115.8 |
| 121 | 31.8 | 24.8 | 37.2 |



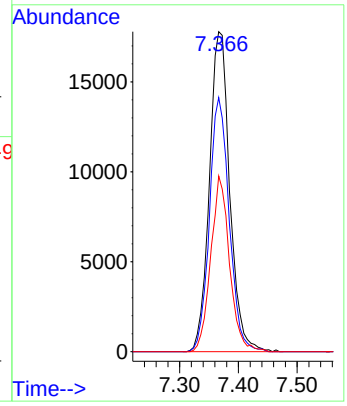


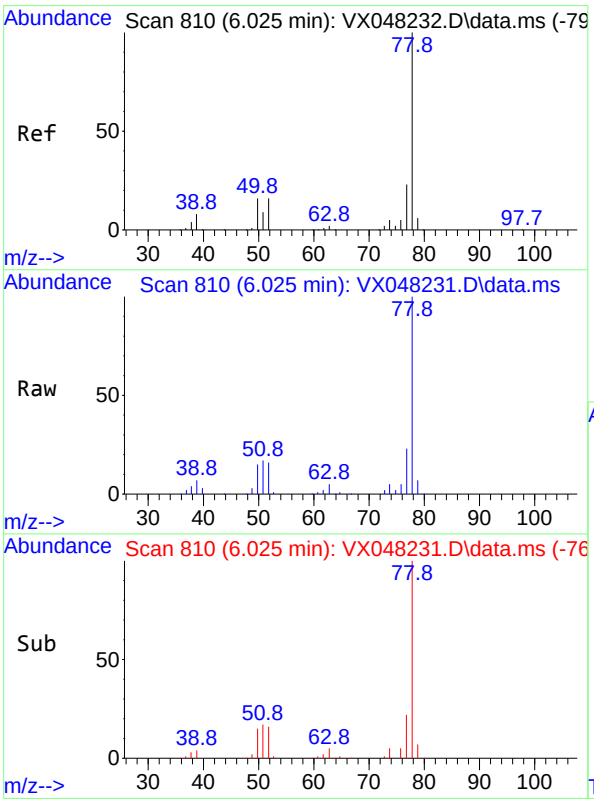

#39
Methylcyclohexane
Concen: 19.140 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 42776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.4 | 66.2 | 99.2 |
| 98 | 54.9 | 38.9 | 58.3 |

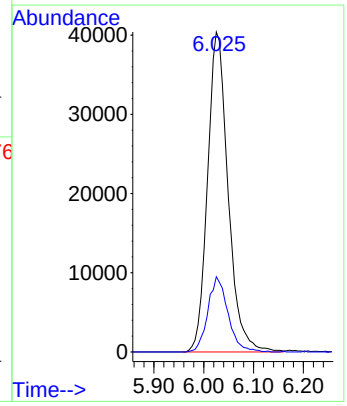


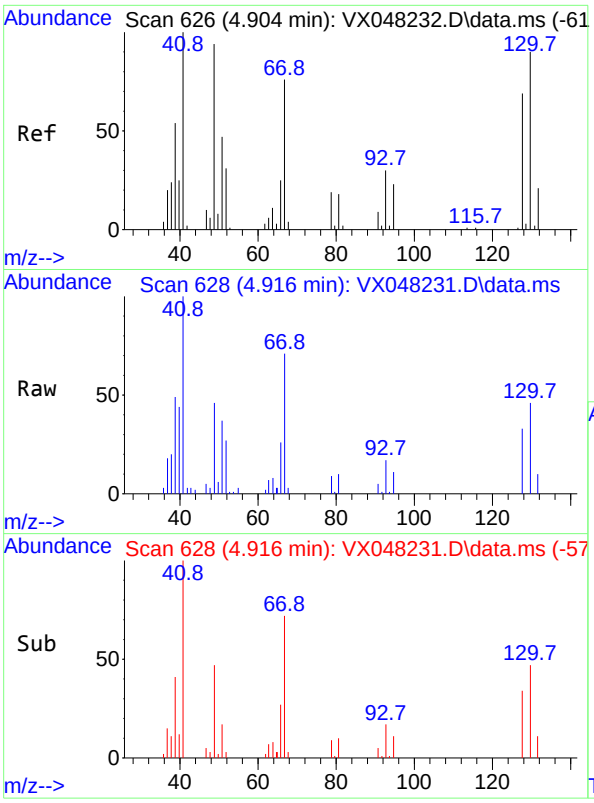




#40
Benzene
Concen: 21.020 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 78 Resp: 115488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 19.3 | 28.9 |



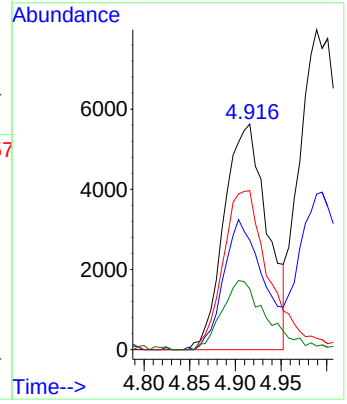


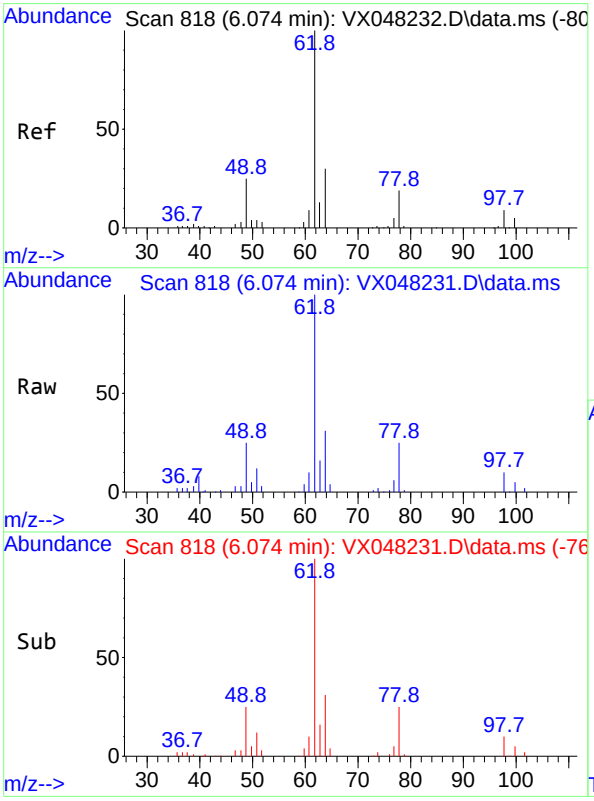

#41
Methacrylonitrile
Concen: 22.411 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 41 Resp: 18461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.4 | 44.0 | 66.0 |
| 67 | 76.9 | 58.7 | 88.1 |
| 52 | 32.3 | 25.9 | 38.9 |

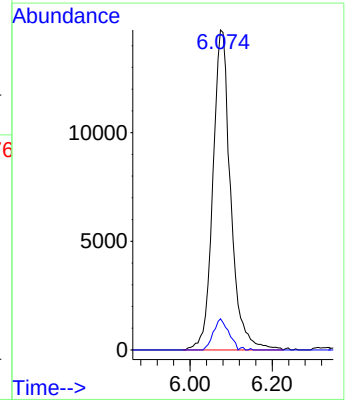


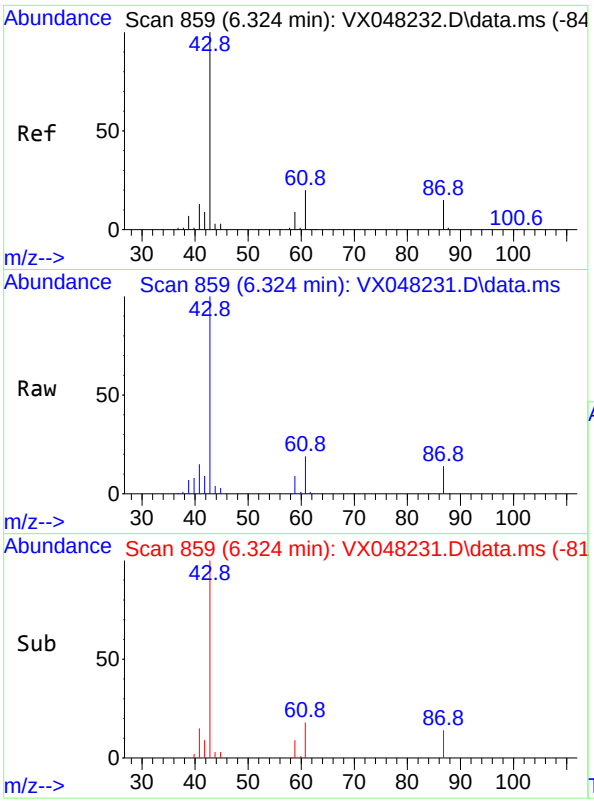




#42
1,2-Dichloroethane
Concen: 21.789 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 62 Resp: 44176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.5 | 0.0 | 17.2 |



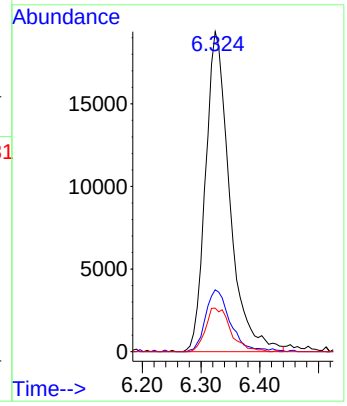


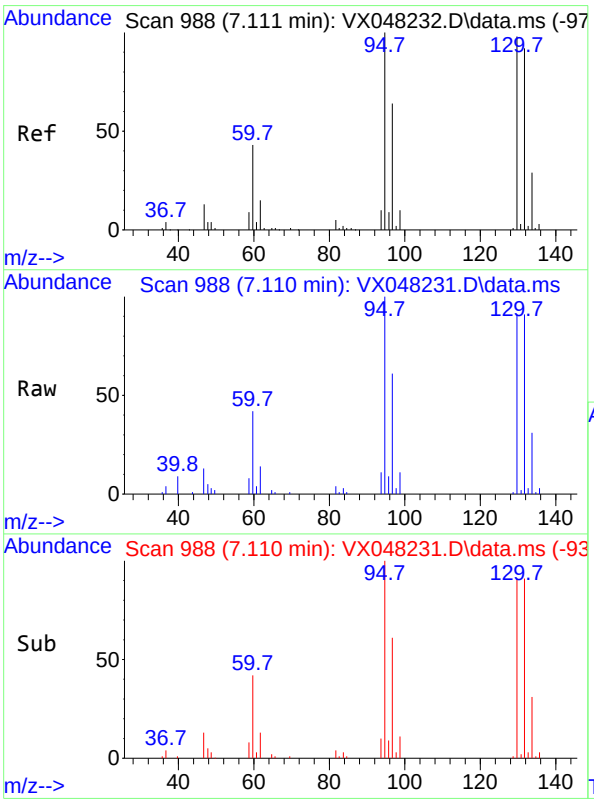

#43
Isopropyl Acetate
Concen: 21.469 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 55317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.9 | 14.9 | 22.3 |
| 87 | 14.1 | 9.4 | 14.2 |

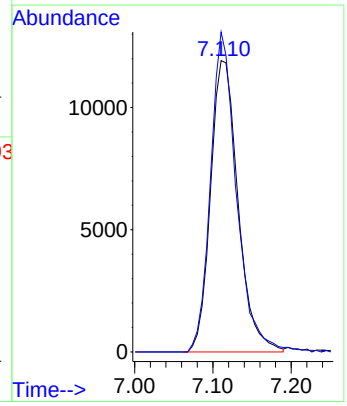


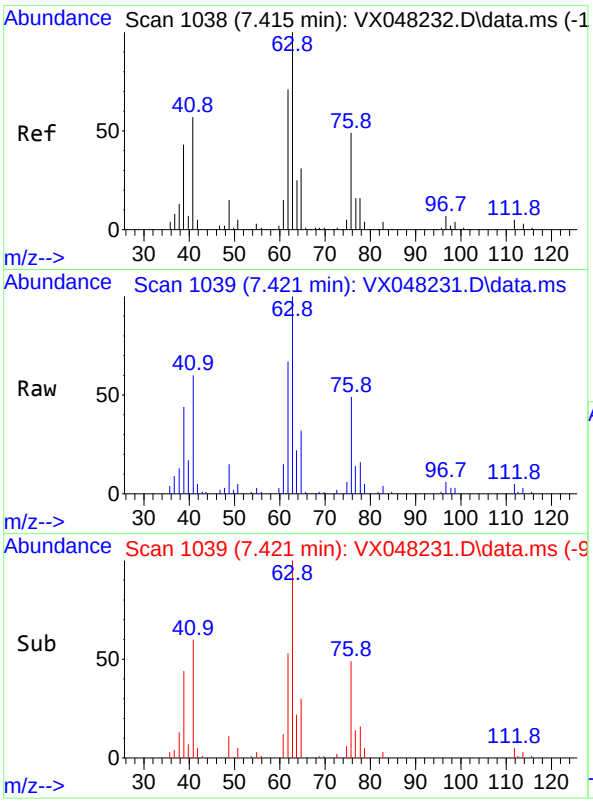




#44
Trichloroethene
Concen: 20.064 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:130 Resp: 29108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 109.8 | 0.0 | 200.6 |



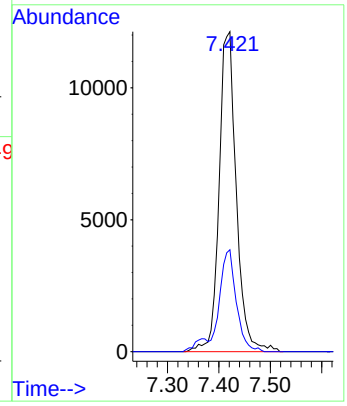


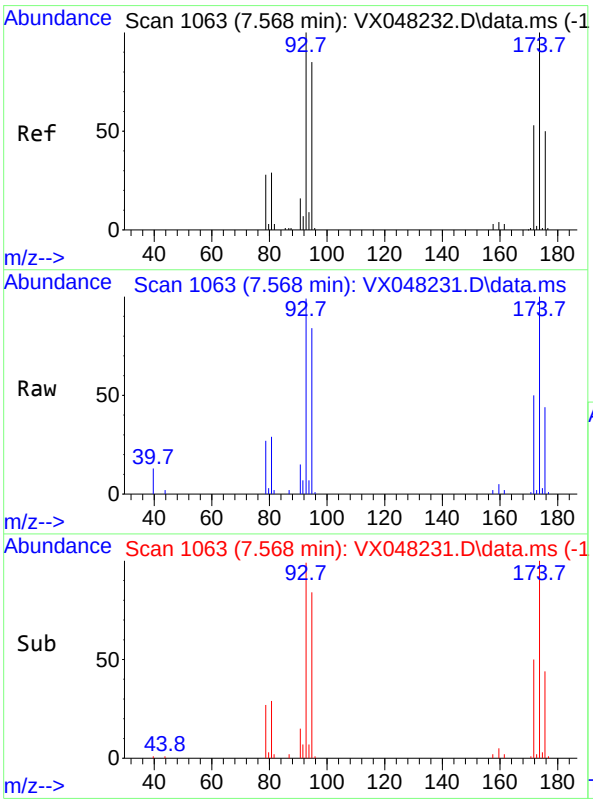

#45
1,2-Dichloropropane
Concen: 21.620 ug/l
RT: 7.421 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 63 Resp: 28242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.8 | 24.1 | 36.1 |

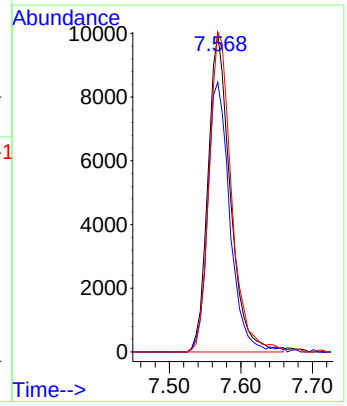


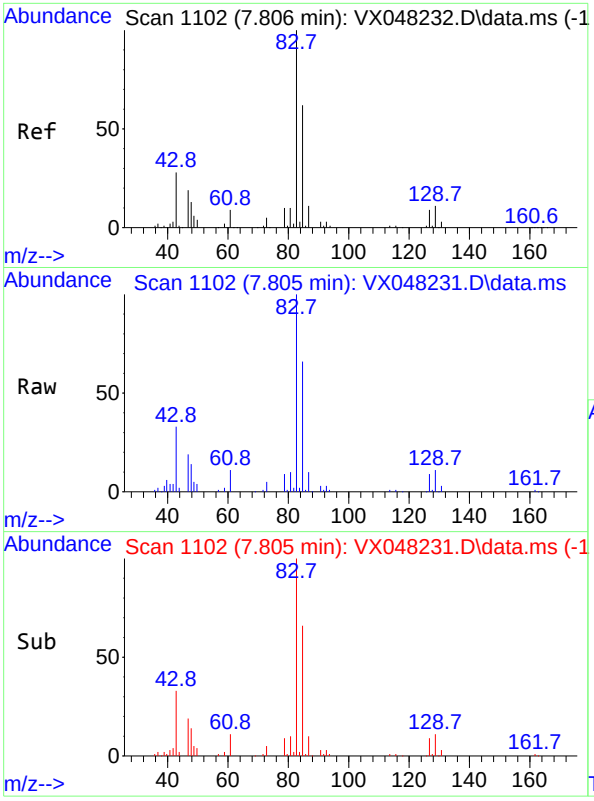




#46
Dibromomethane
Concen: 21.229 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 93 Resp: 21605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.4 | 65.9 | 98.9 |
| 174 | 101.4 | 71.7 | 107.5 |



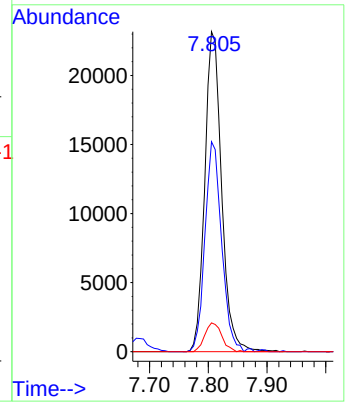


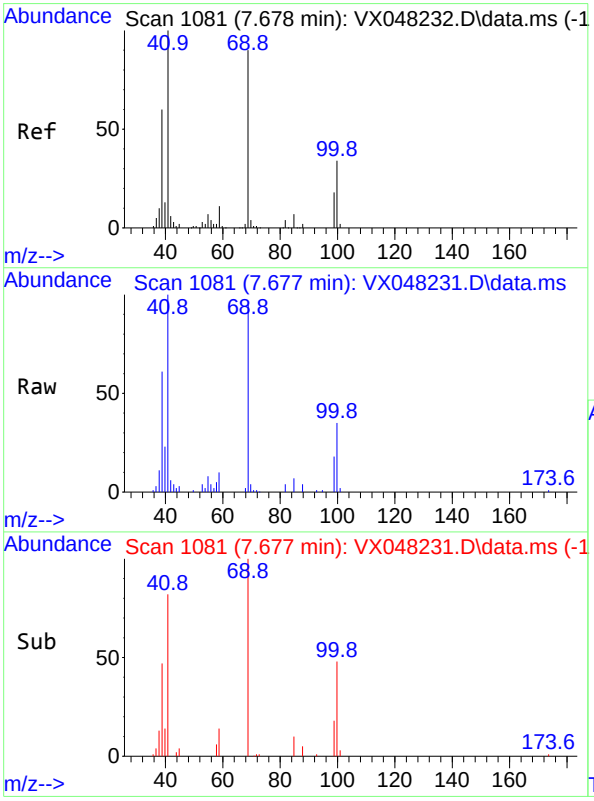

#47
Bromodichloromethane
Concen: 21.034 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 46221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 52.2 | 78.4 |
| 127 | 9.0 | 7.3 | 10.9 |

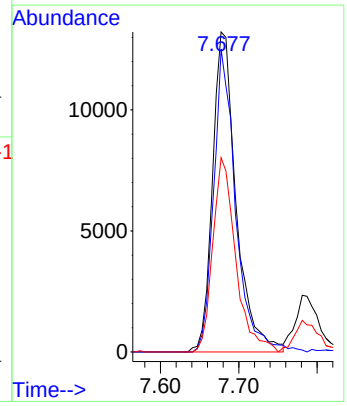


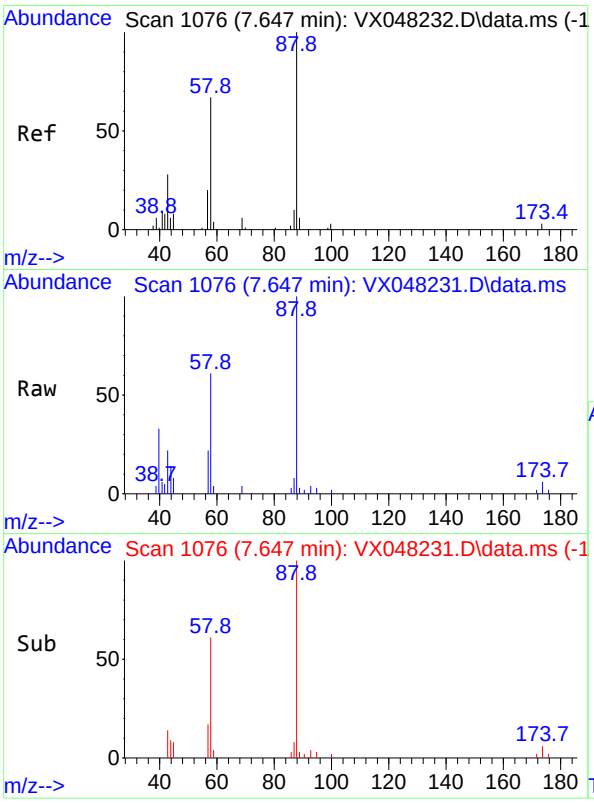




#48
Methyl methacrylate
Concen: 21.344 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 41 Resp: 27751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 88.6 | 63.4 | 95.0 |
| 39 | 58.7 | 47.1 | 70.7 |



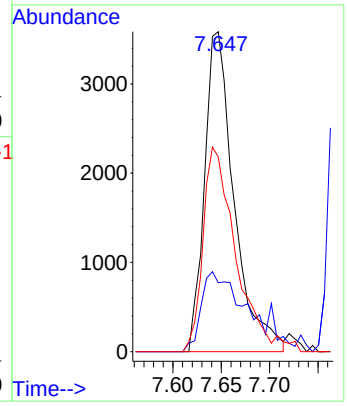


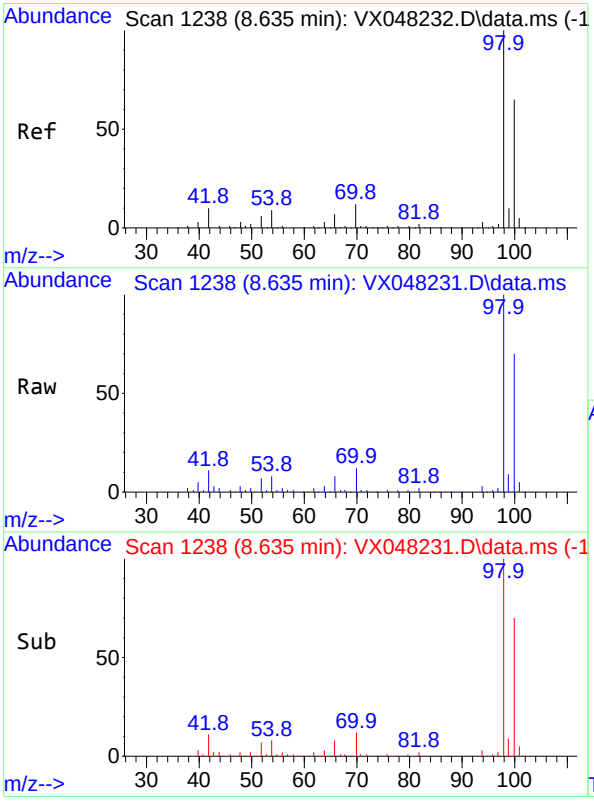

#49
1,4-Dioxane
Concen: 443.623 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 88 Resp: 7620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.0 | 35.0 | 52.4 |
| 58 | 71.5 | 61.9 | 92.9 |

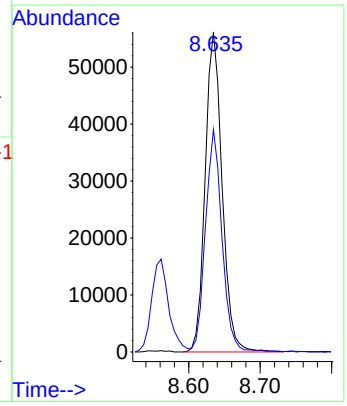


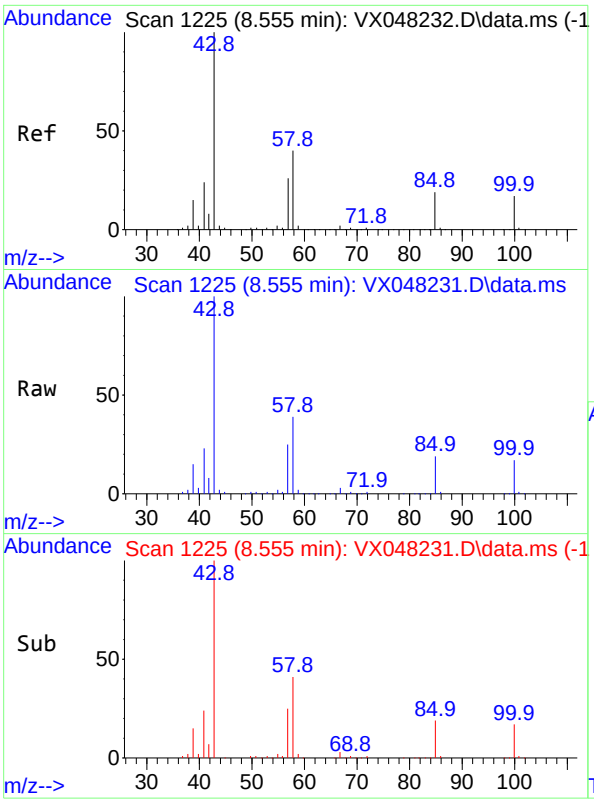




#50
Toluene-d8
Concen: 19.815 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 98 Resp: 92476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.8 | 53.0 | 79.4 |



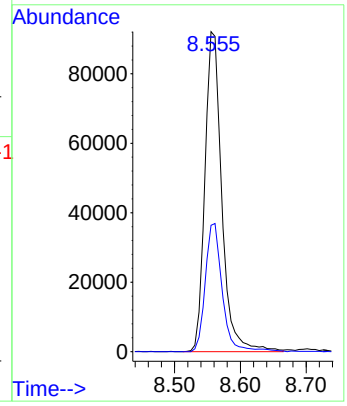


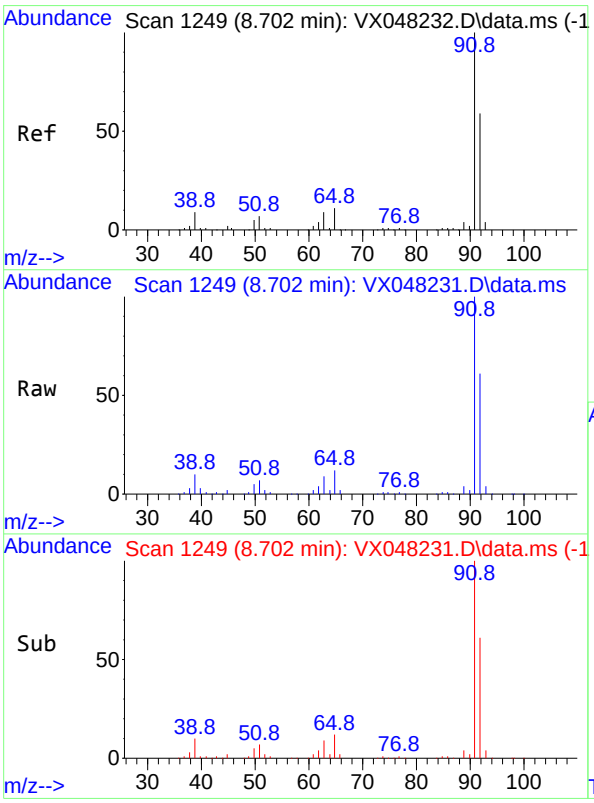

#51
4-Methyl-2-Pentanone
Concen: 110.873 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 164708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.3 | 29.5 | 44.3 |

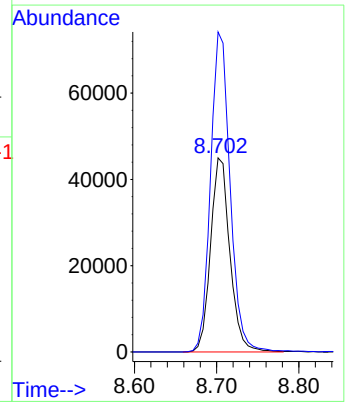


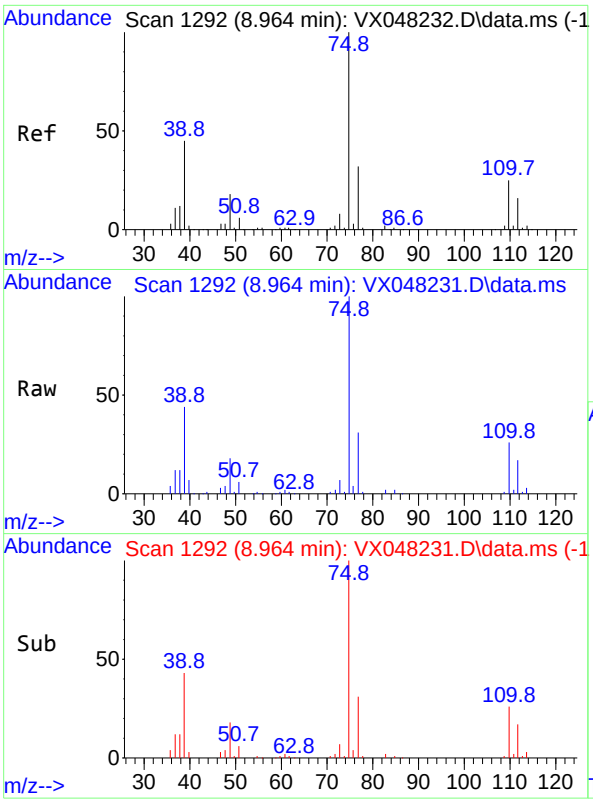




#52
Toluene
Concen: 21.093 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 92 Resp: 73623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 167.2 | 136.1 | 204.1 |



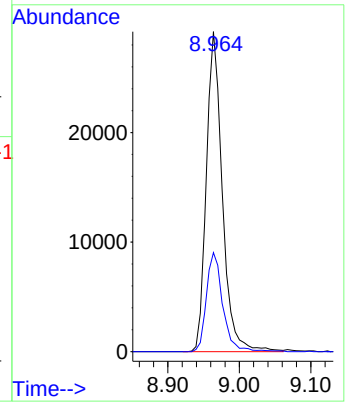


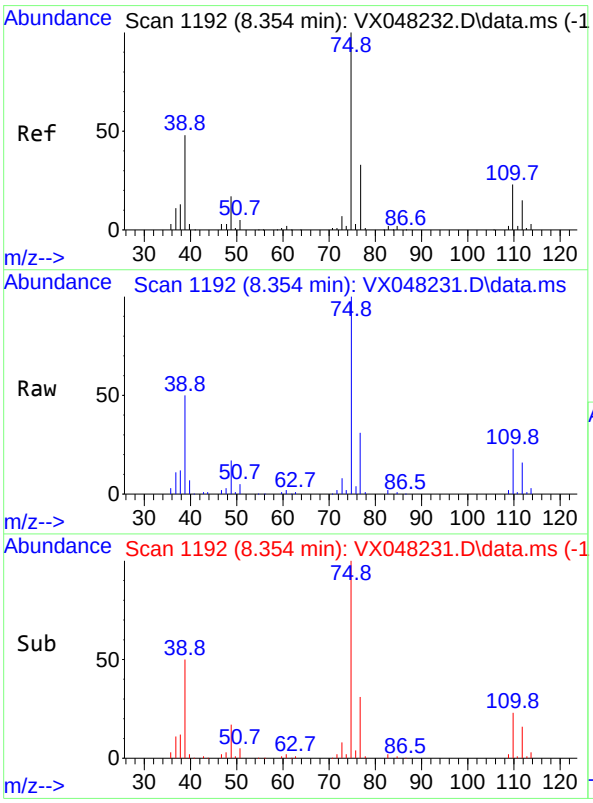

#53
t-1,3-Dichloropropene
Concen: 21.447 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 45416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.0 | 25.0 | 37.6 |

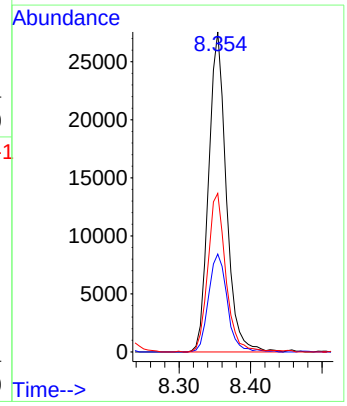


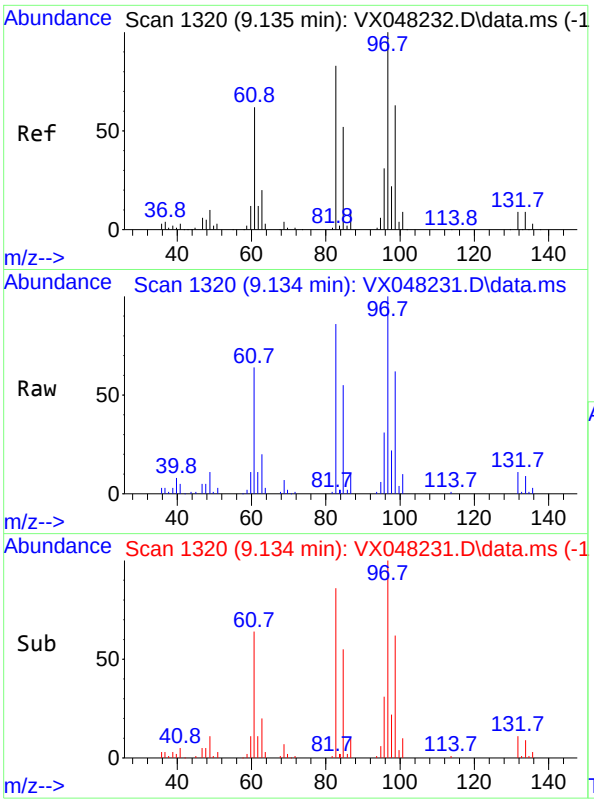




#54
cis-1,3-Dichloropropene
Concen: 20.629 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 47130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.6 | 24.9 | 37.3 |
| 39 | 49.5 | 42.6 | 64.0 |



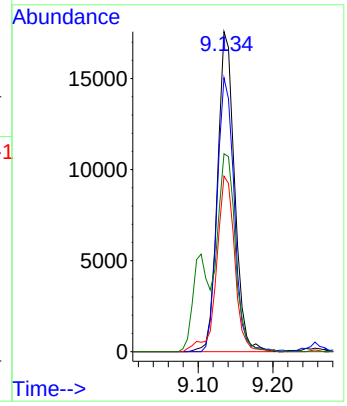


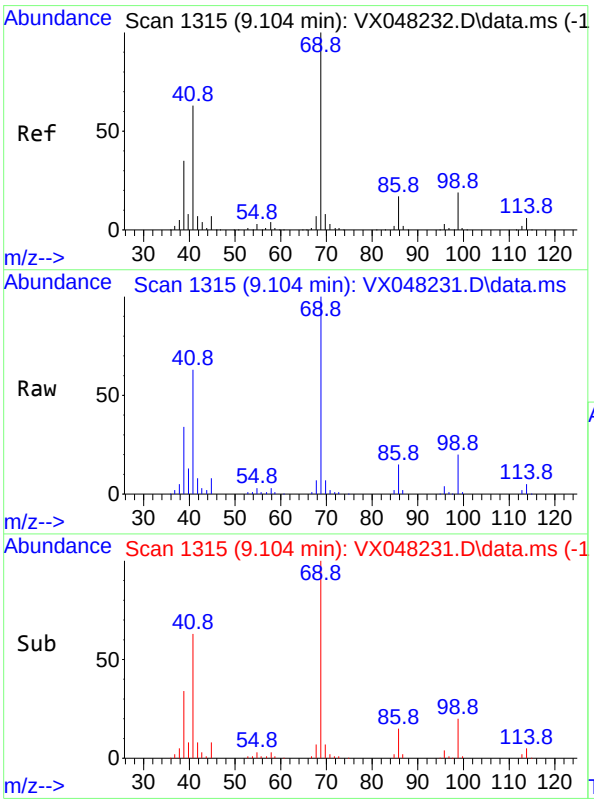

#55
1,1,2-Trichloroethane
Concen: 21.482 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 97 Resp: 27884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.6 | 70.6 | 105.8 |
| 85 | 54.9 | 45.0 | 67.6 |
| 99 | 61.8 | 50.9 | 76.3 |

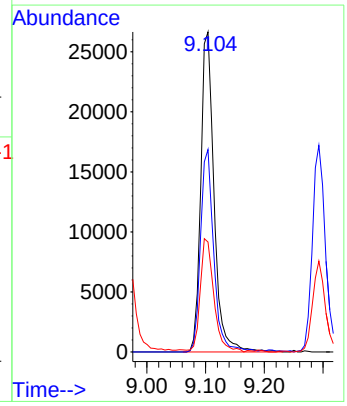


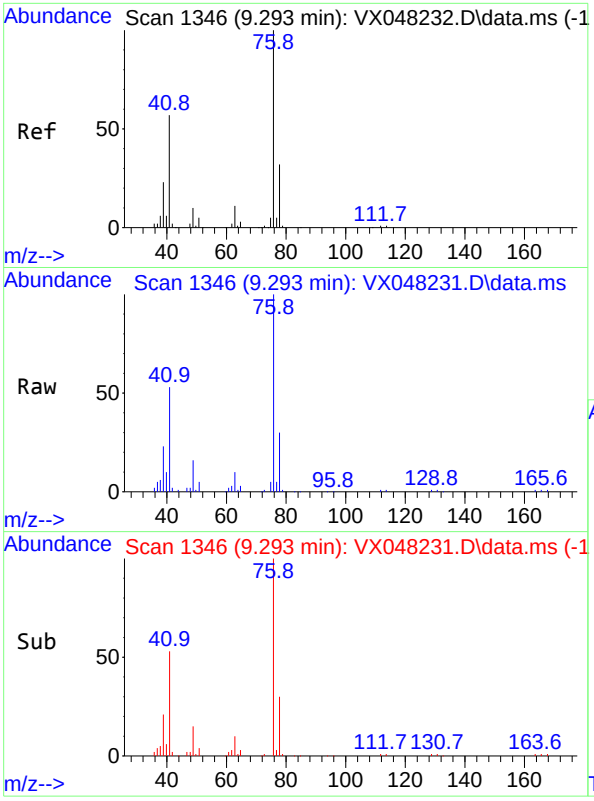




#56
Ethyl methacrylate
Concen: 22.021 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 69 Resp: 41809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 63.2 | 56.0 | 84.0 |
| 39 | 36.3 | 31.6 | 47.4 |



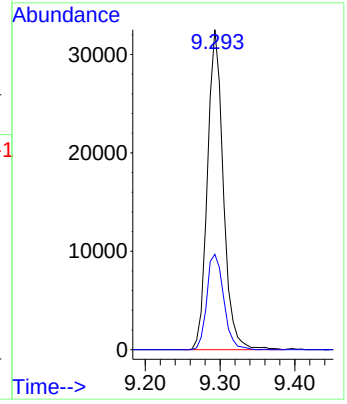


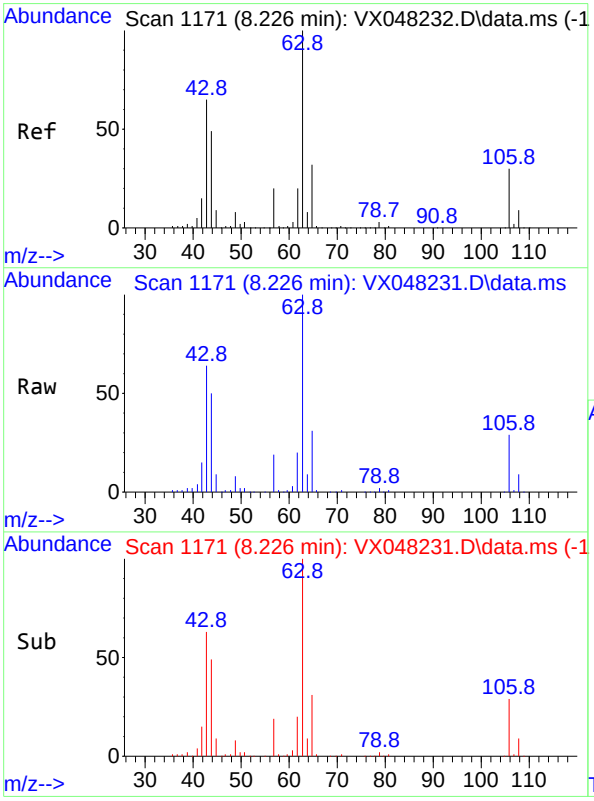

#57
1,3-Dichloropropane
Concen: 21.602 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 47896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.7 | 25.4 | 38.0 |

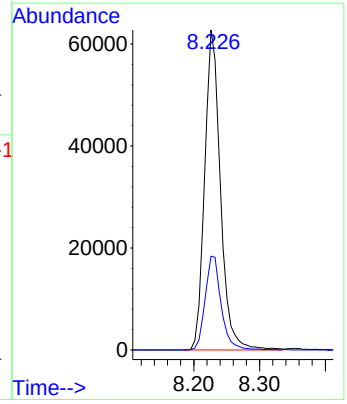


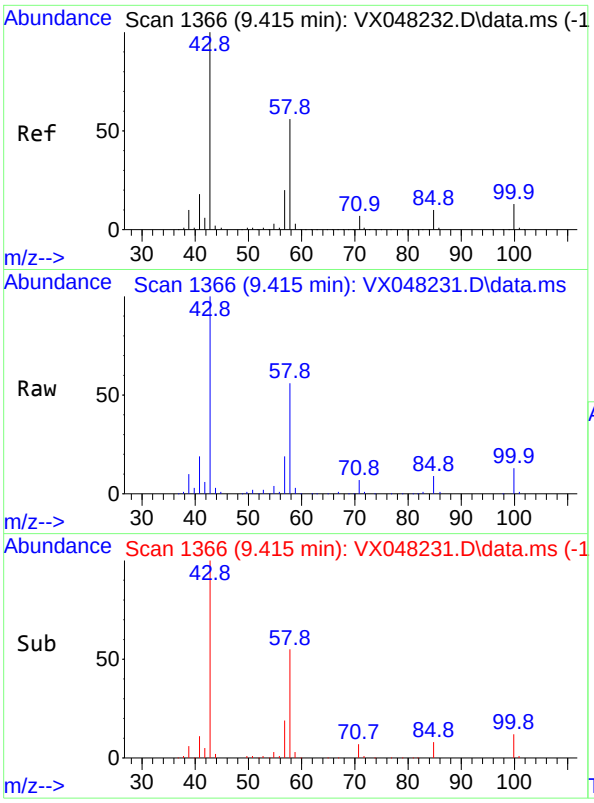




#58
2-Chloroethyl Vinyl ether
Concen: 103.739 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 63 Resp: 104883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.7 | 22.2 | 33.2 |



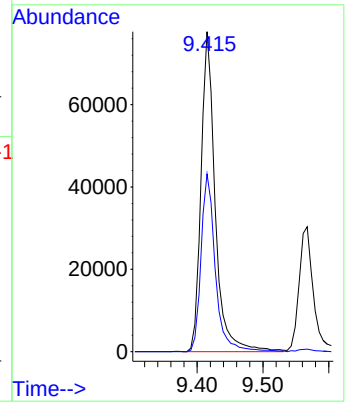


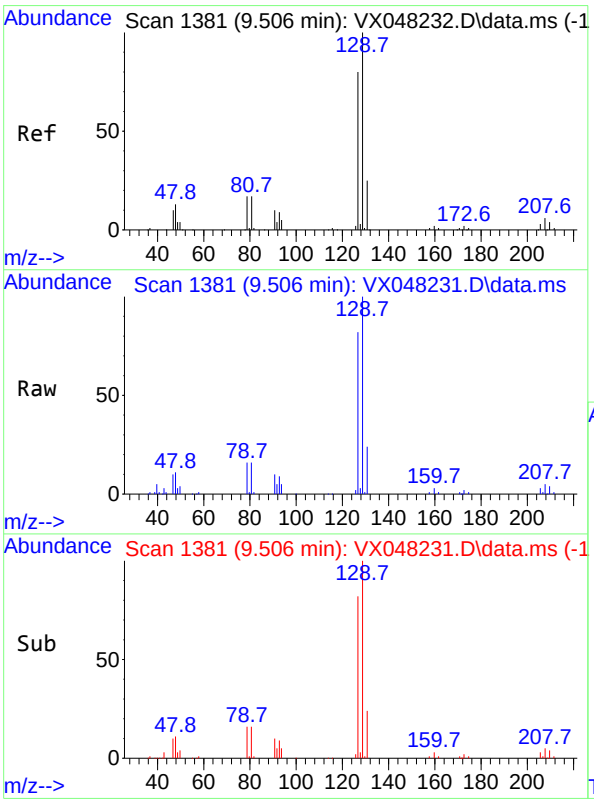

#59
2-Hexanone
Concen: 112.243 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 116268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.1 | 26.3 | 78.8 |

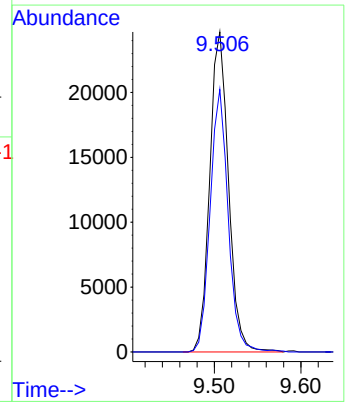


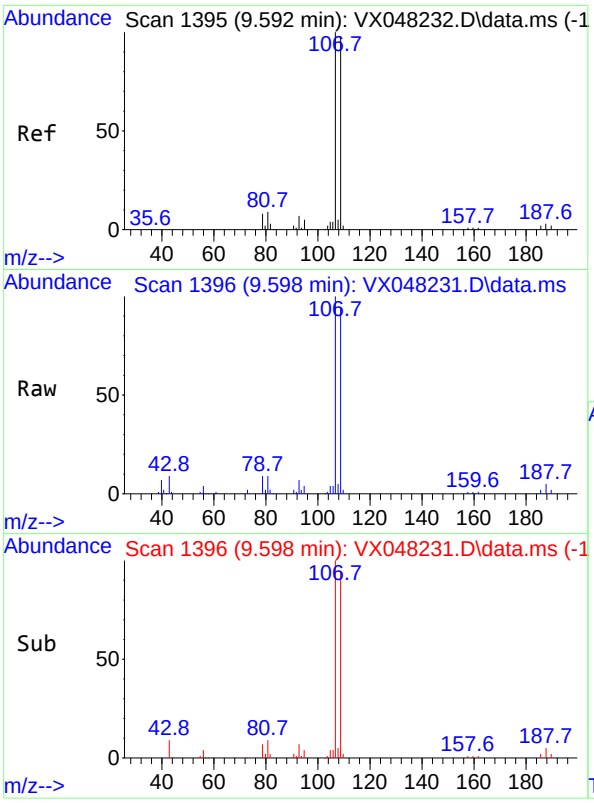




#60
Dibromochloromethane
Concen: 21.281 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:129 Resp: 37127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.9 | 38.6 | 115.7 |



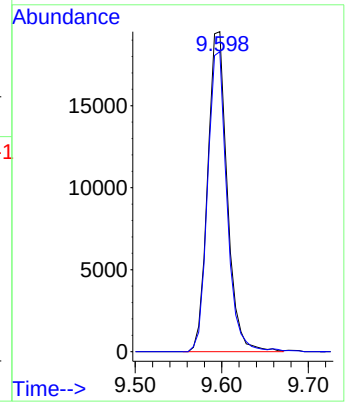


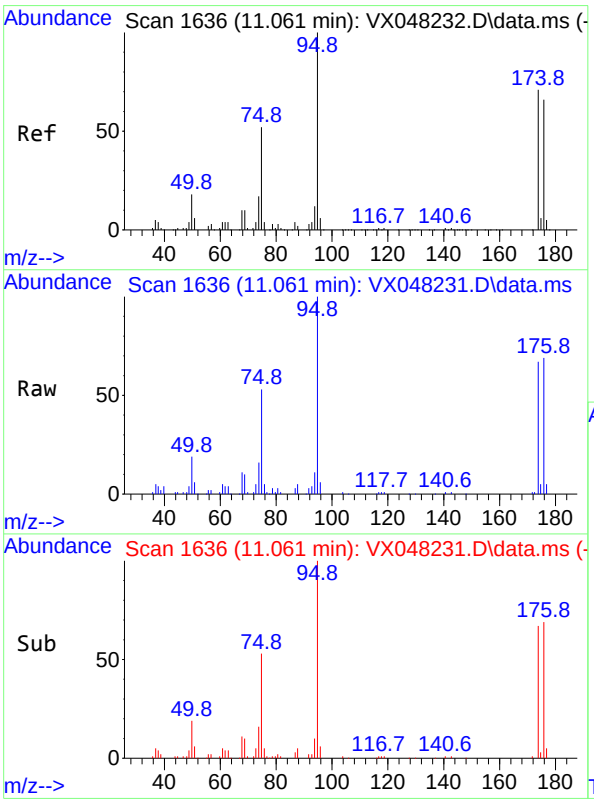

#61
1,2-Dibromoethane
Concen: 22.141 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:107 Resp: 30639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.2 | 77.0 | 115.4 |

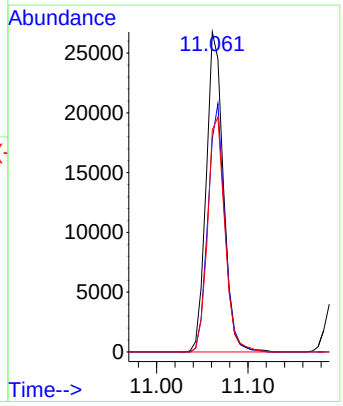


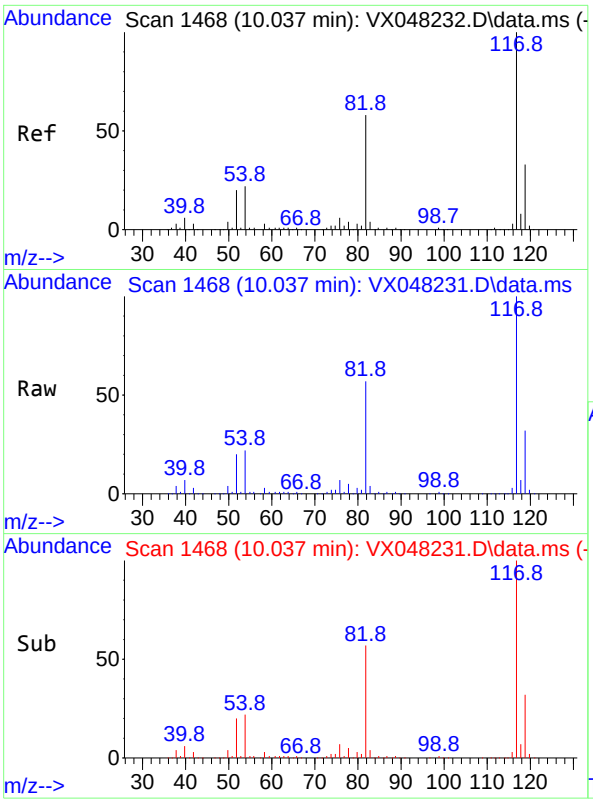




#62
4-Bromofluorobenzene
Concen: 19.558 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 95 Resp: 34724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.8 | 0.0 | 147.8 |
| 176 | 74.3 | 0.0 | 142.8 |



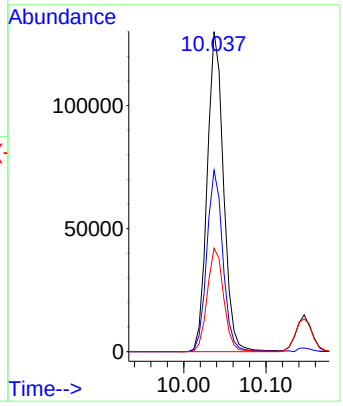


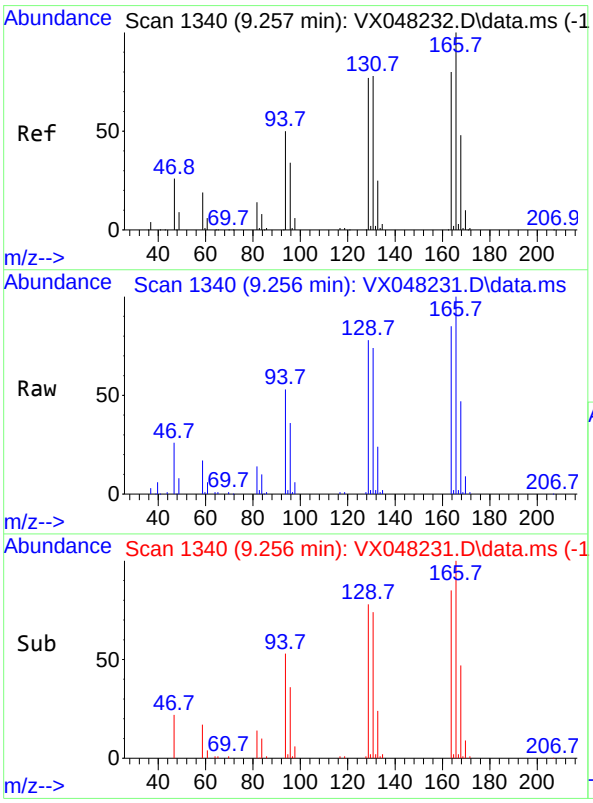

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:117 Resp: 178975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.6 | 46.5 | 69.7 |
| 119 | 32.4 | 25.9 | 38.9 |

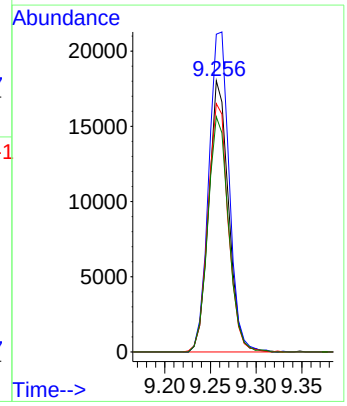


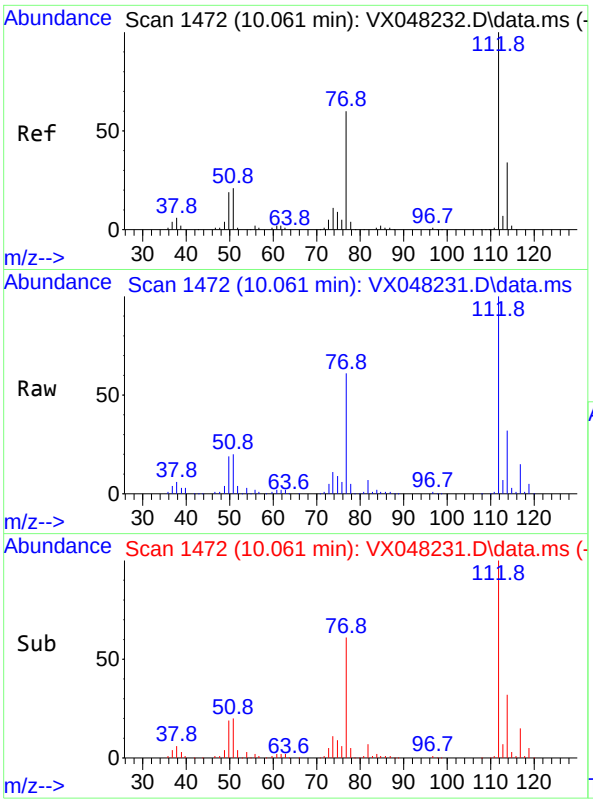




#64
Tetrachloroethene
Concen: 20.240 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:164 Resp: 27043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 117.2 | 104.5 | 156.7 |
| 129 | 91.6 | 81.8 | 122.6 |
| 131 | 86.7 | 77.0 | 115.6 |



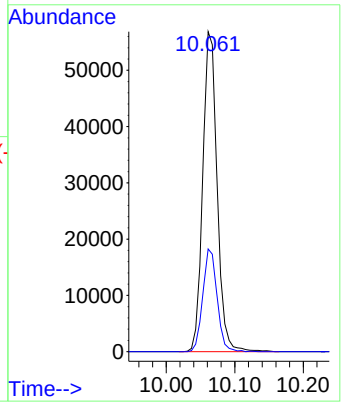


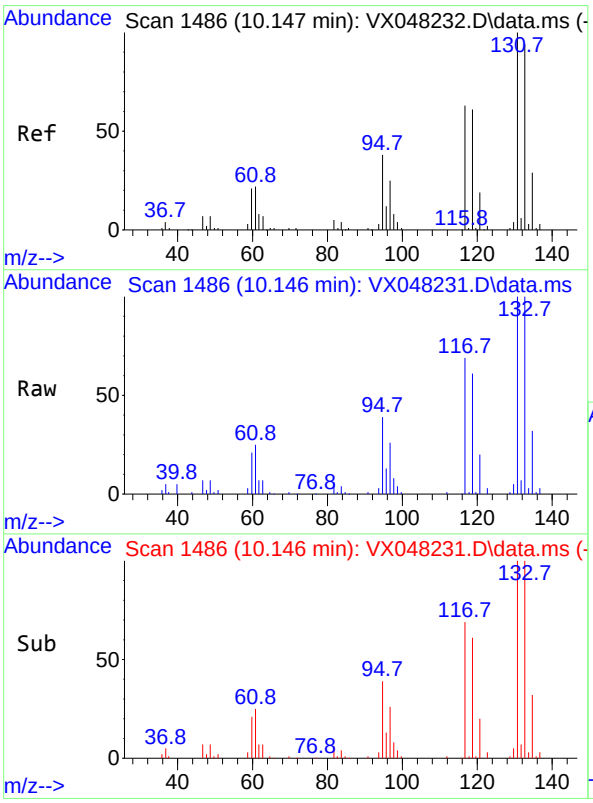

#65
Chlorobenzene
Concen: 20.617 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:112 Resp: 83004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 26.2 | 39.2 |

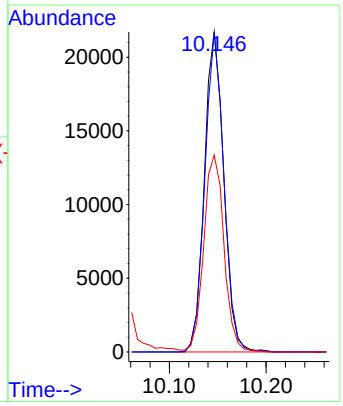


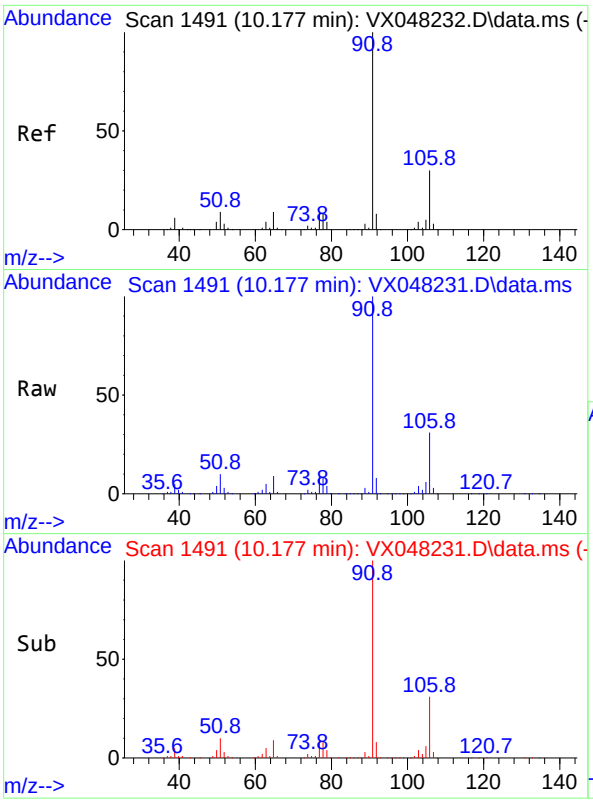




#66
1,1,1,2-Tetrachloroethane
Concen: 20.475 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:131 Resp: 30278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 98.2 | 47.6 | 142.8 |
| 119 | 64.5 | 32.5 | 97.5 |



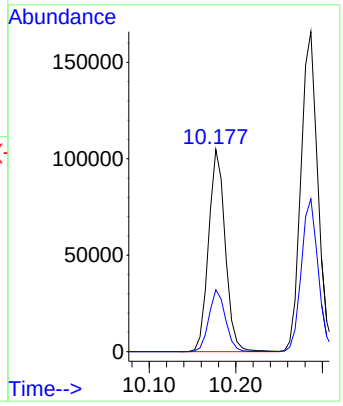


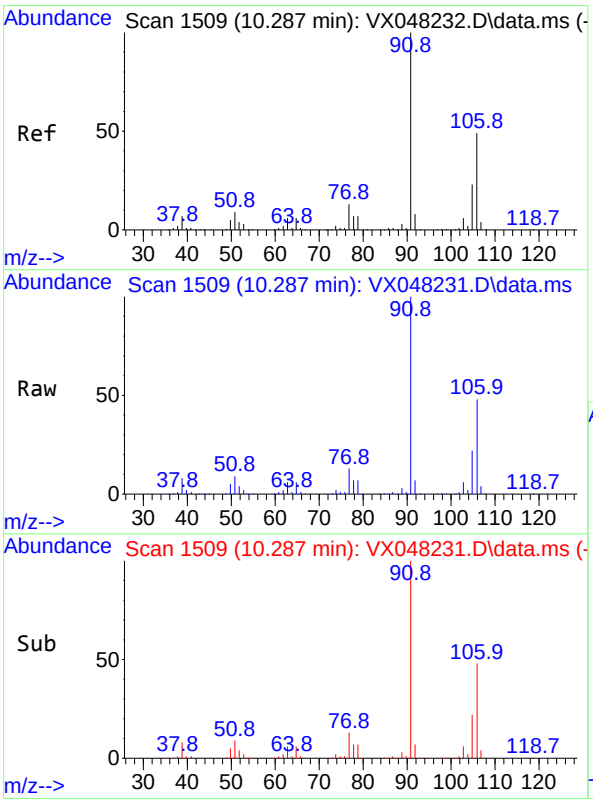

#67
Ethyl Benzene
Concen: 20.409 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 139895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.8 | 35.6 |

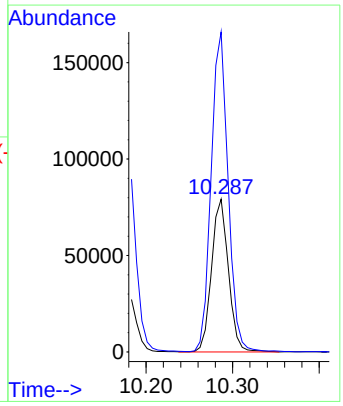


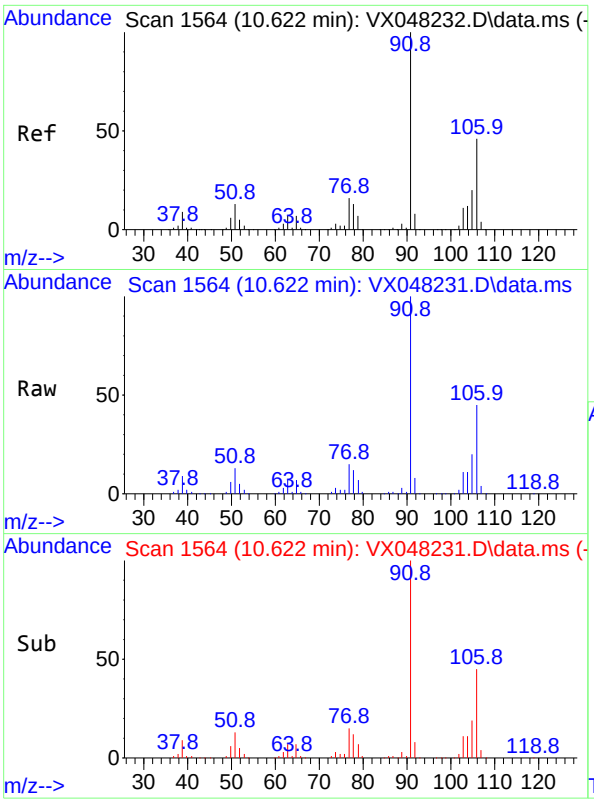




#68
m/p-Xylenes
Concen: 42.161 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:106 Resp: 107377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.9 | 167.9 | 251.9 |



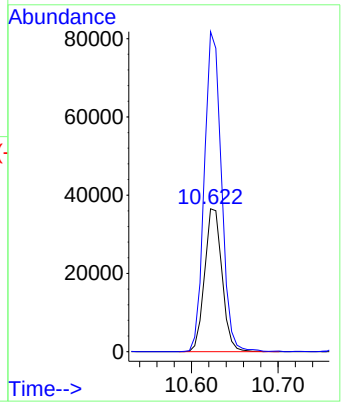


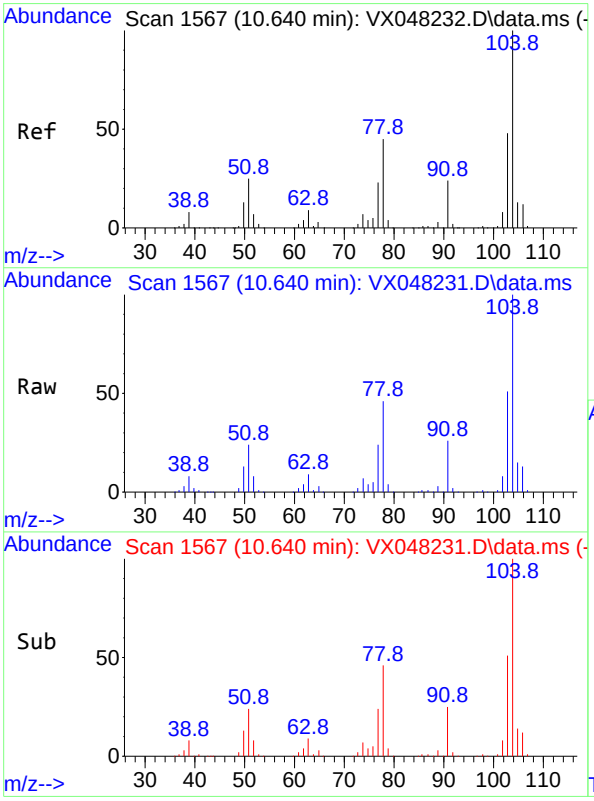

#69
o-Xylene
Concen: 20.721 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:106 Resp: 50950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.1 | 111.3 | 333.9 |

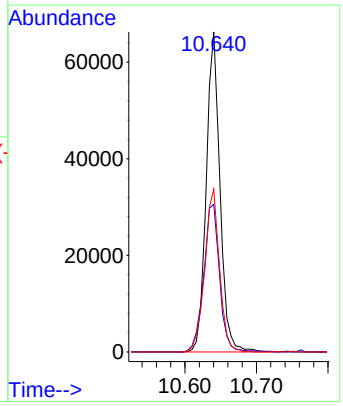


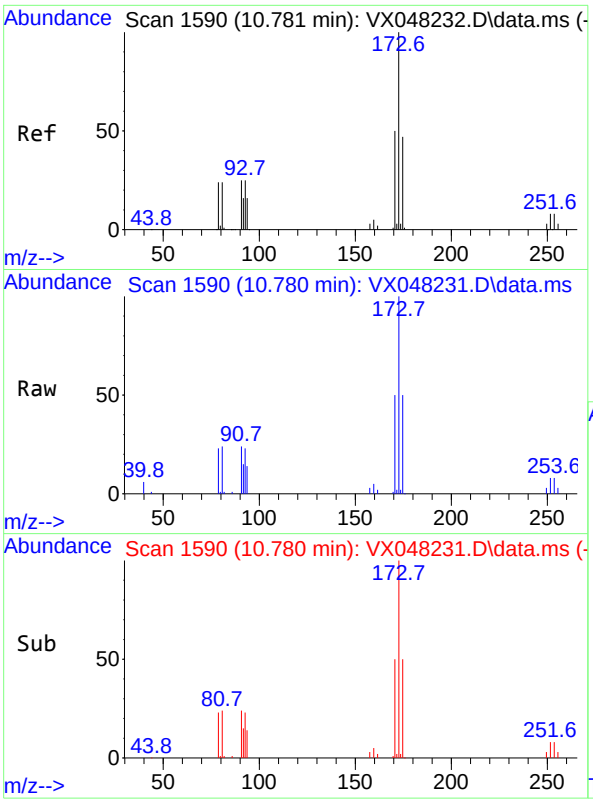




#70
Styrene
Concen: 21.134 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:104 Resp: 88481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.5 | 42.2 | 63.4 |
| 103 | 54.7 | 43.0 | 64.4 |



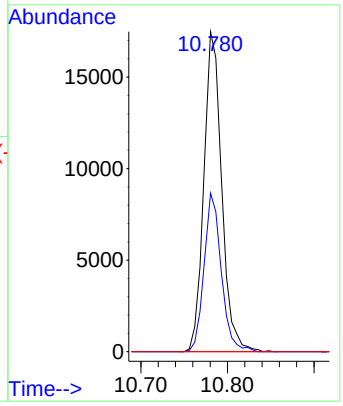


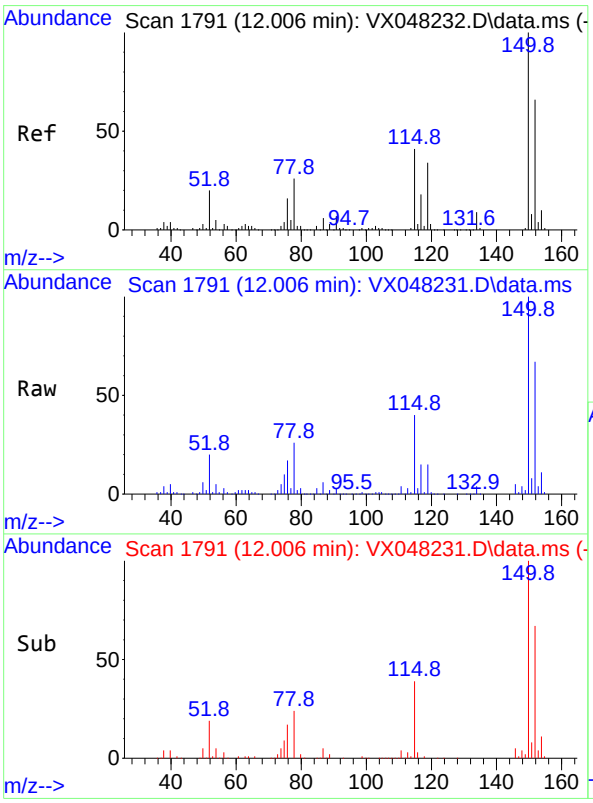

#71
Bromoform
Concen: 21.175 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:173 Resp: 25027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.8 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |

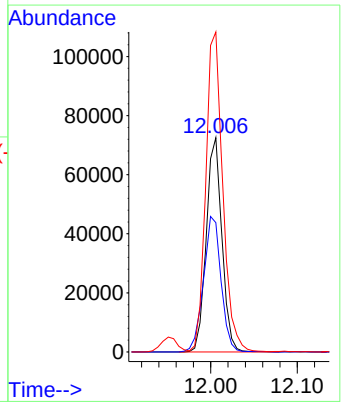


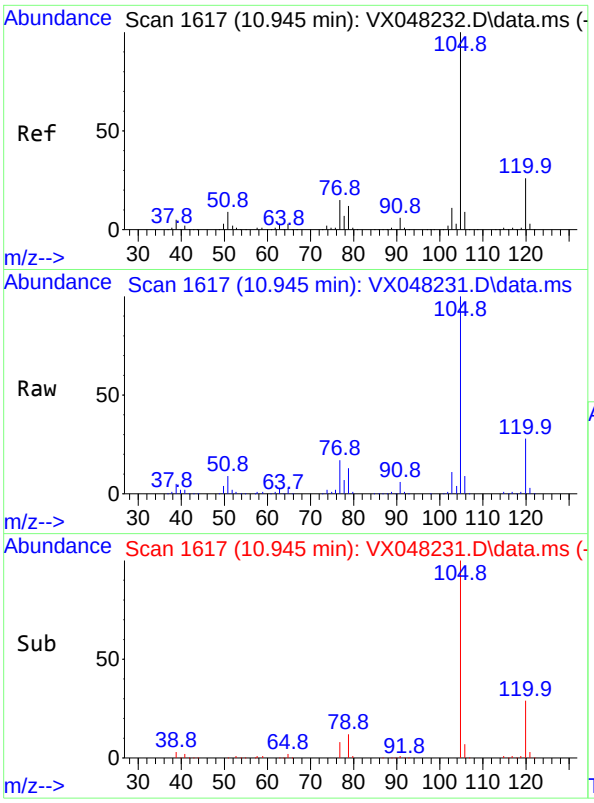




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:152 Resp: 90972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 71.1 | 43.1 | 129.4 |
| 150 | 161.6 | 0.0 | 353.0 |



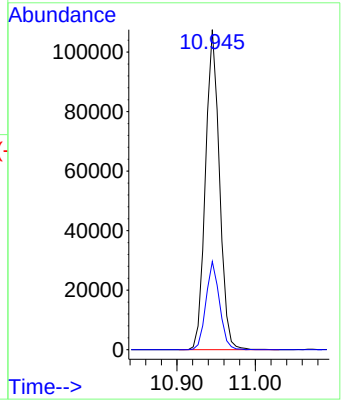


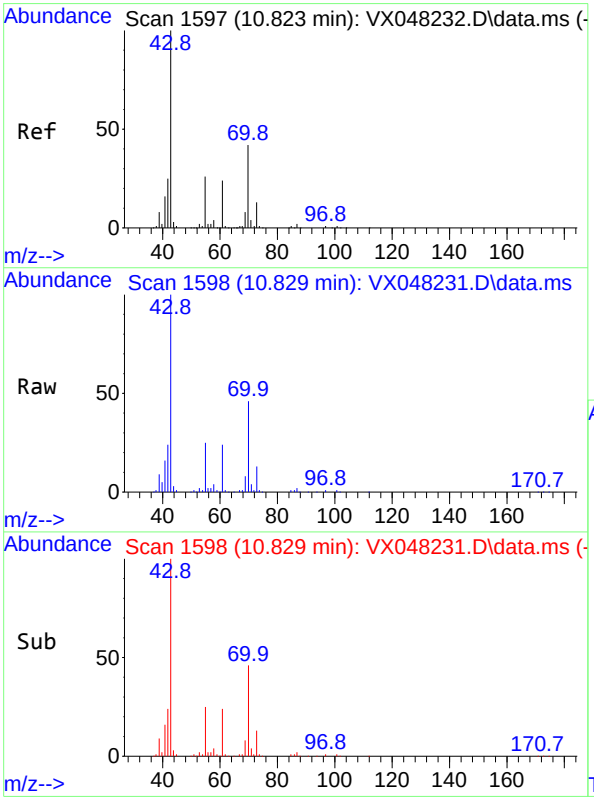

#73
Isopropylbenzene
Concen: 20.021 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 133034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.6 | 13.0 | 38.9 |

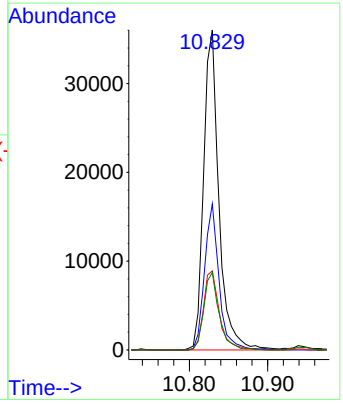


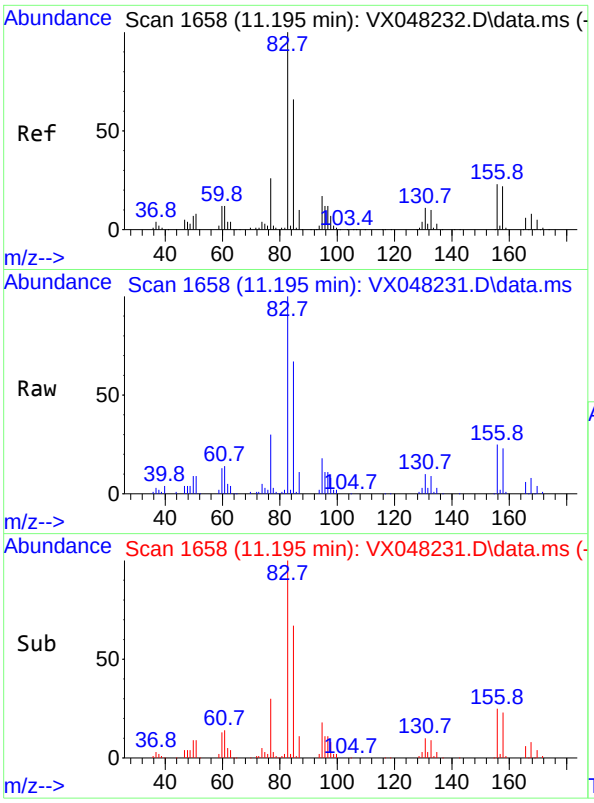




#74
N-amyl acetate
Concen: 20.674 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 48726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 43.4 | 32.2 | 48.2 |
| 55 | 25.5 | 19.1 | 28.7 |
| 61 | 24.3 | 18.6 | 28.0 |



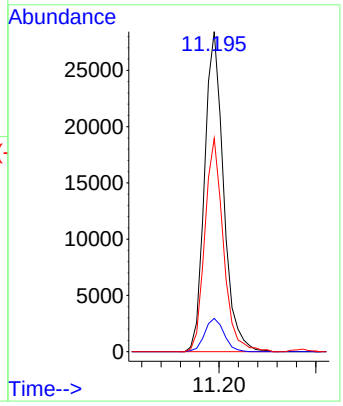


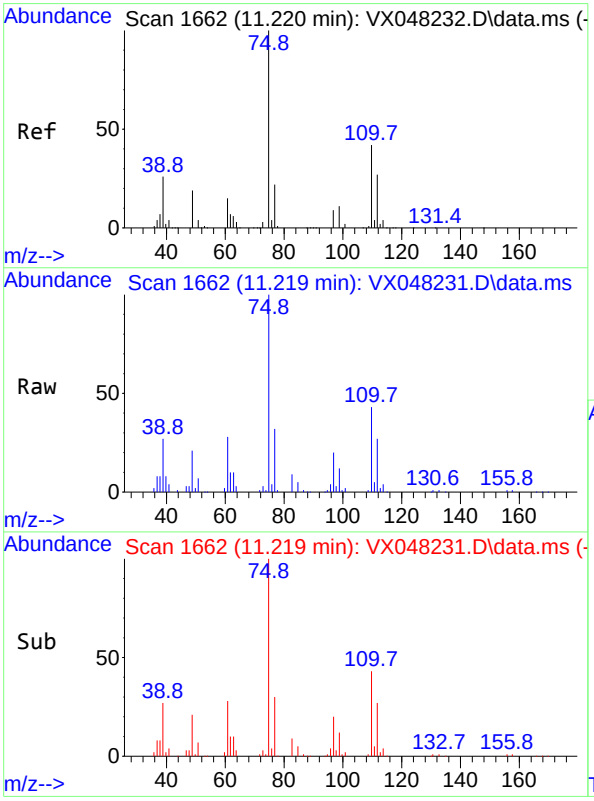

#75
1,1,2,2-Tetrachloroethane
Concen: 21.354 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 38748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.6 | 4.8 | 14.4 |
| 85 | 65.2 | 31.9 | 95.7 |

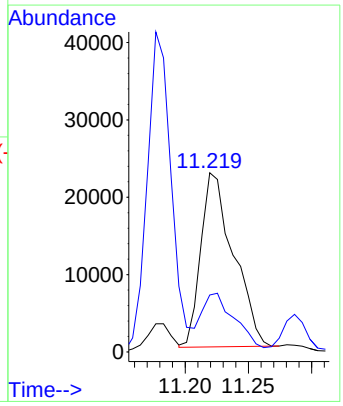


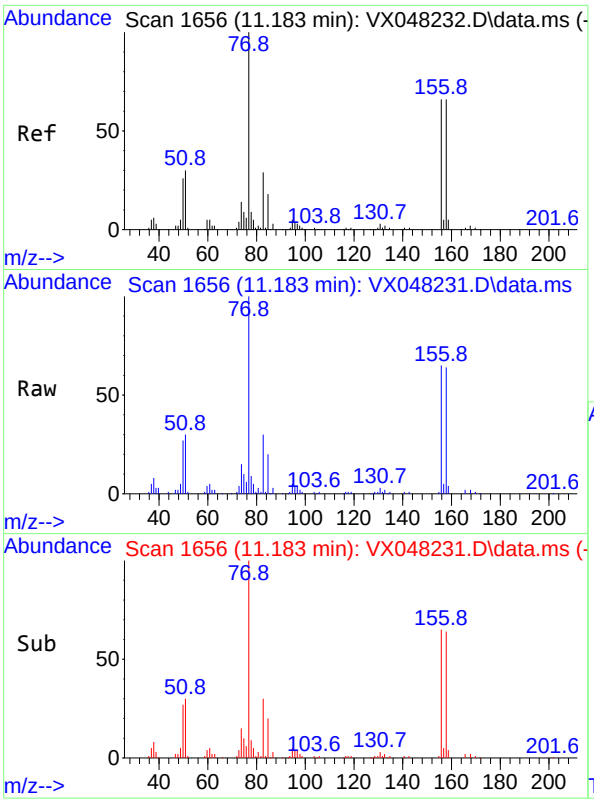




#76
1,2,3-Trichloropropane
Concen: 27.501 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 40571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.1 | 22.4 | 67.2 |



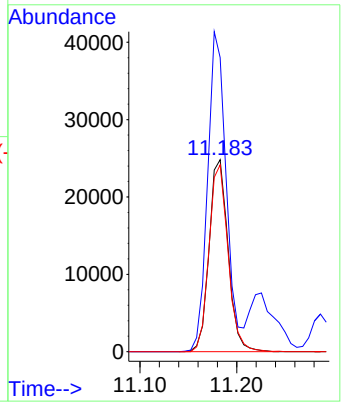


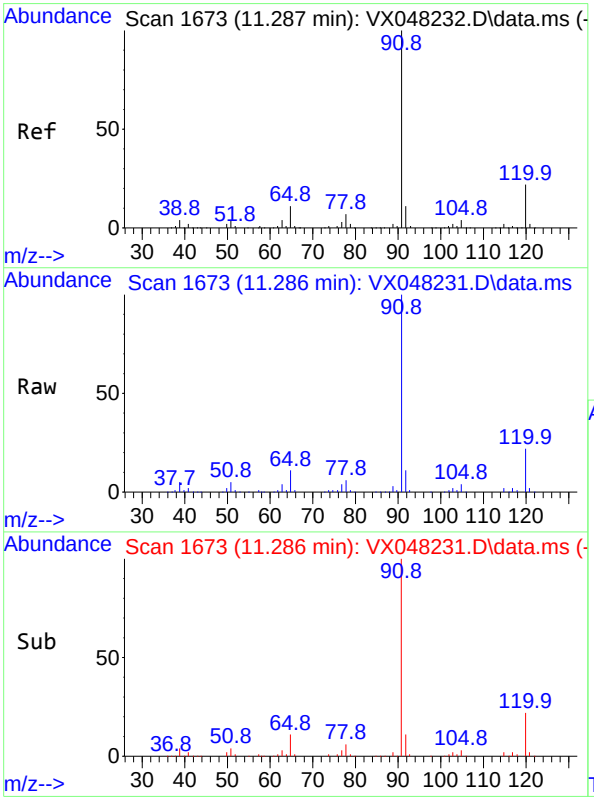

#77
Bromobenzene
Concen: 20.313 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:156 Resp: 33843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 164.0 | 87.0 | 261.0 |
| 158 | 97.7 | 47.8 | 143.4 |

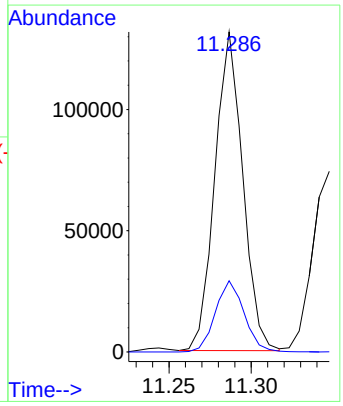


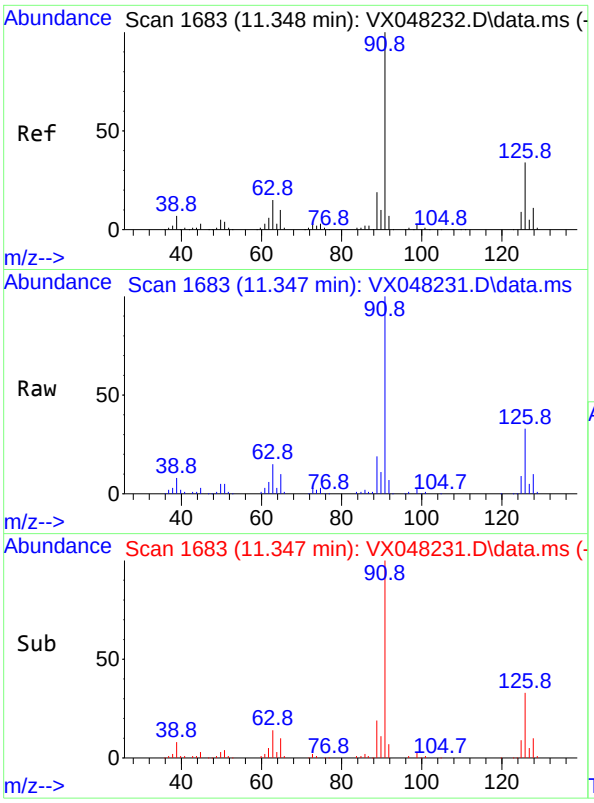




#78
n-propylbenzene
Concen: 20.126 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 91 Resp: 154839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.1 | 11.1 | 33.1 |



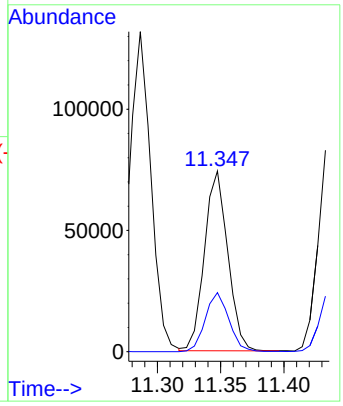


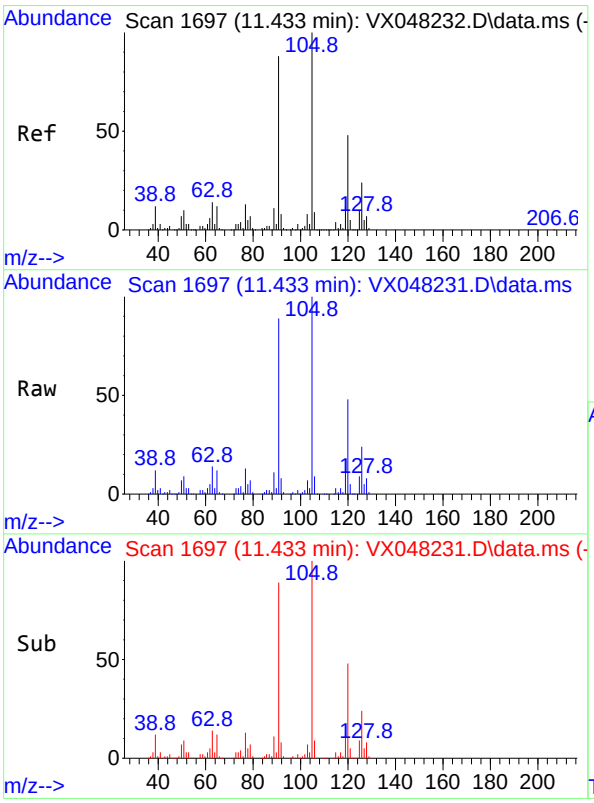

#79
2-Chlorotoluene
Concen: 20.401 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 95156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.4 | 49.4 |

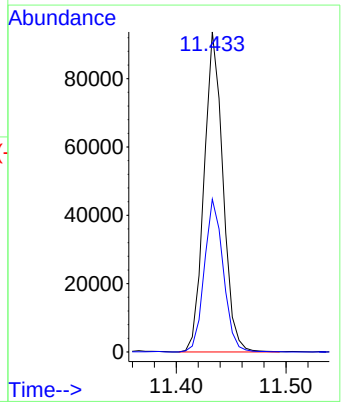


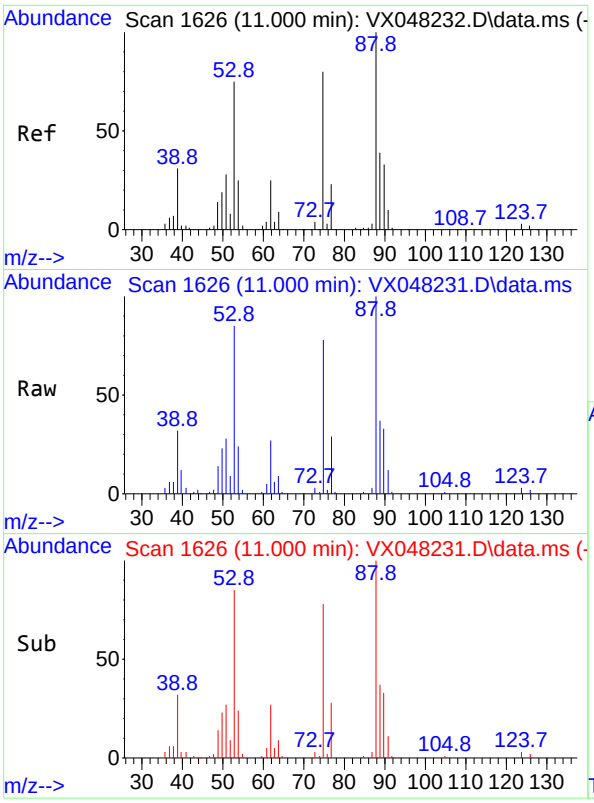




#80
1,3,5-Trimethylbenzene
Concen: 20.379 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:105 Resp: 112057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.9 | 24.0 | 72.0 |



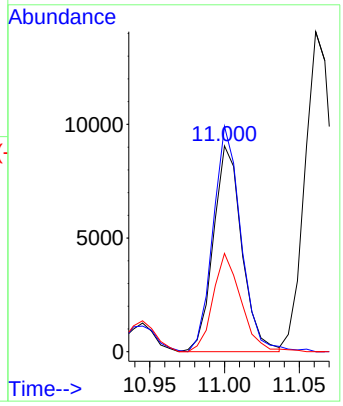


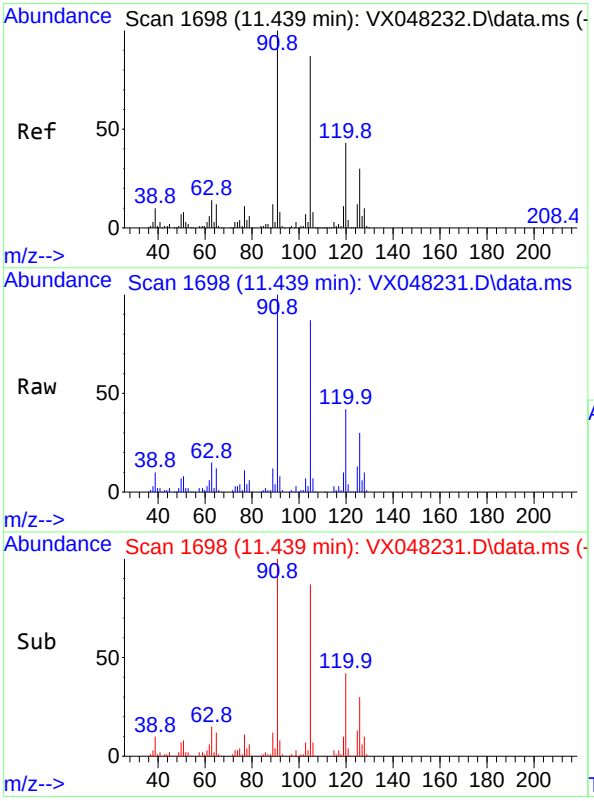

#81
trans-1,4-Dichloro-2-butene
Concen: 19.791 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 12001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 107.3 | 79.5 | 119.3 |
| 89 | 46.9 | 36.8 | 55.2 |

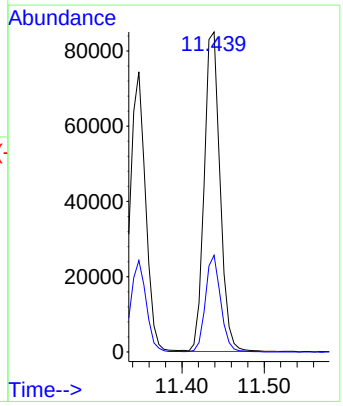


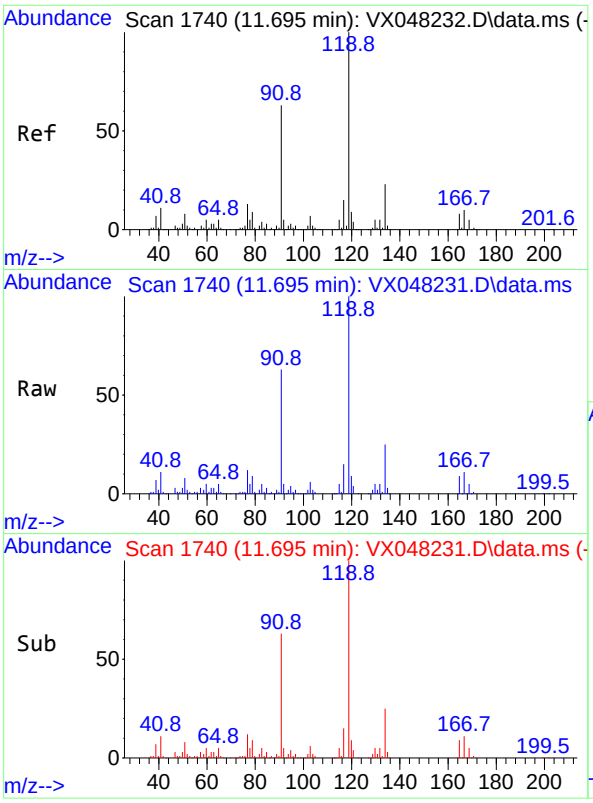




#82
4-Chlorotoluene
Concen: 20.498 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 91 Resp: 113495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.1 | 42.4 |



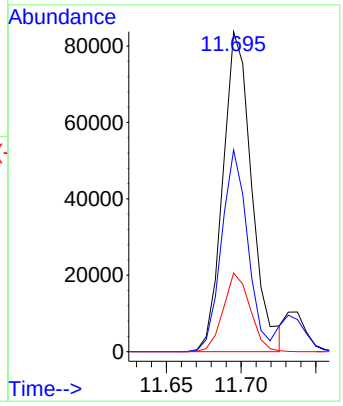


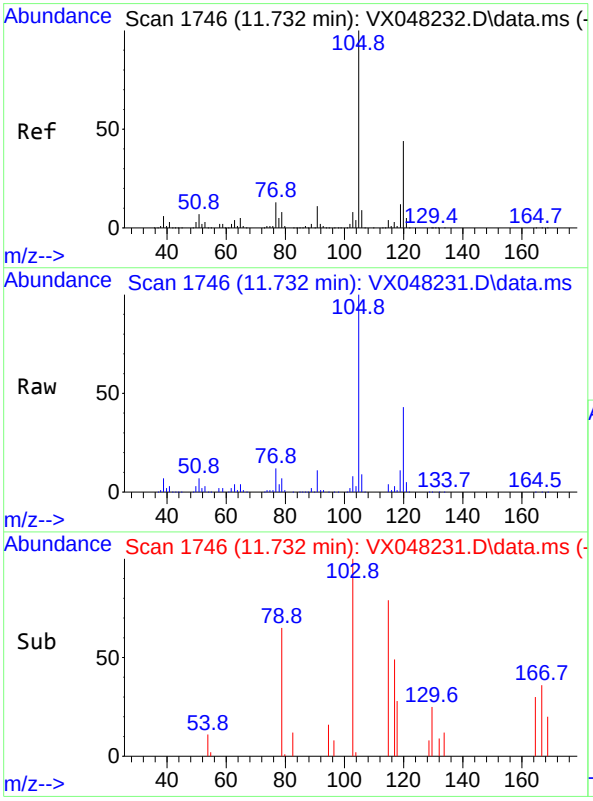

#83
tert-Butylbenzene
Concen: 19.878 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:119 Resp: 112305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 57.4 | 30.3 | 91.0 |
| 134 | 22.8 | 11.4 | 34.2 |

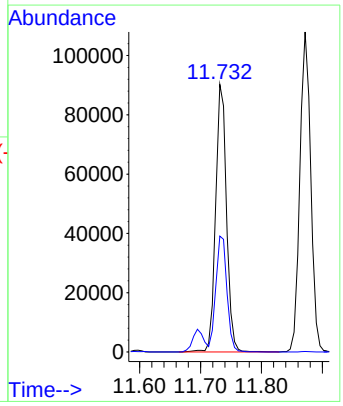


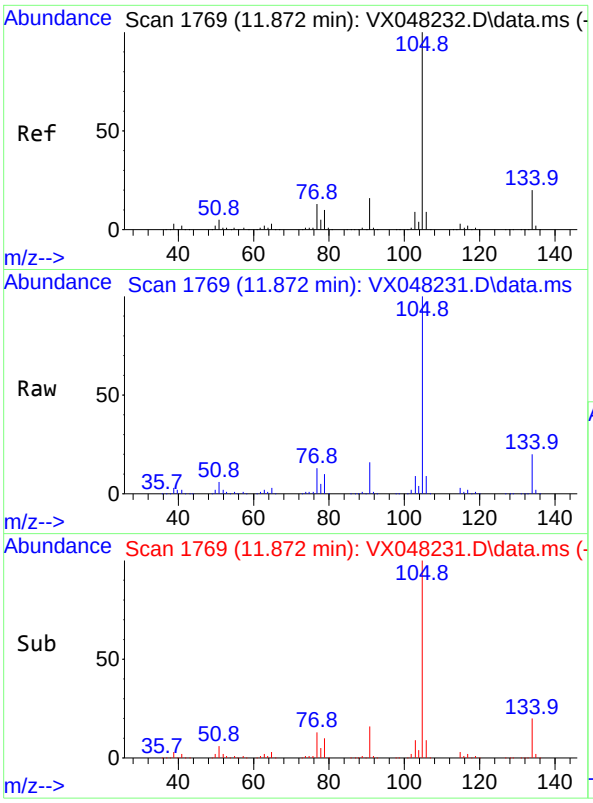




#84
1,2,4-Trimethylbenzene
Concen: 20.405 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:105 Resp: 111976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 22.1 | 66.5 |



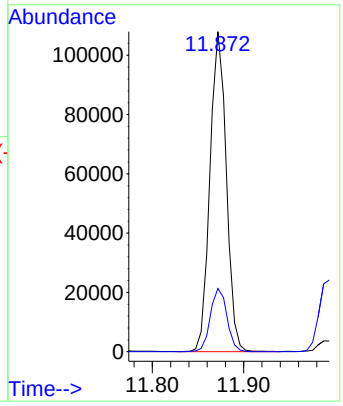


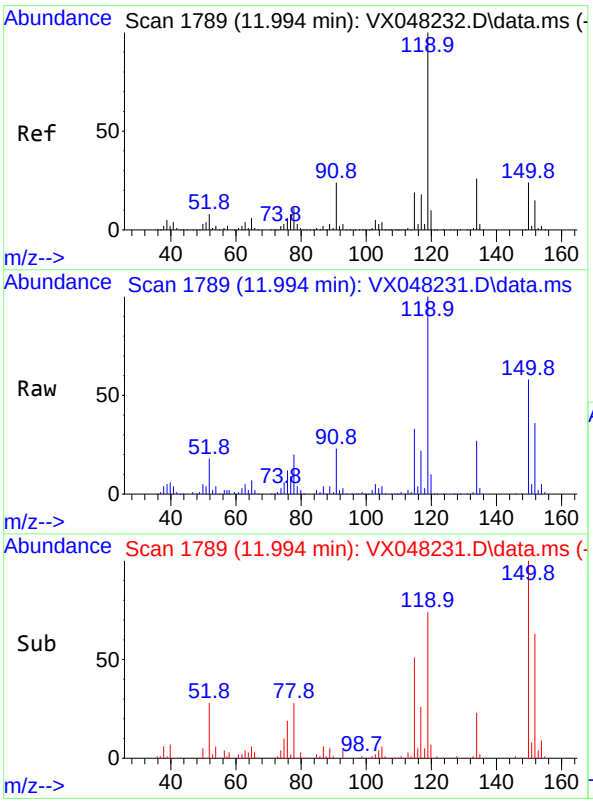

#85
sec-Butylbenzene
Concen: 19.716 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 134014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 10.1 | 30.1 |

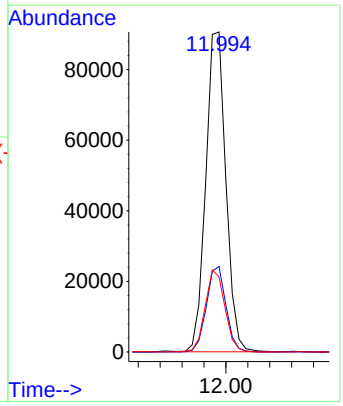


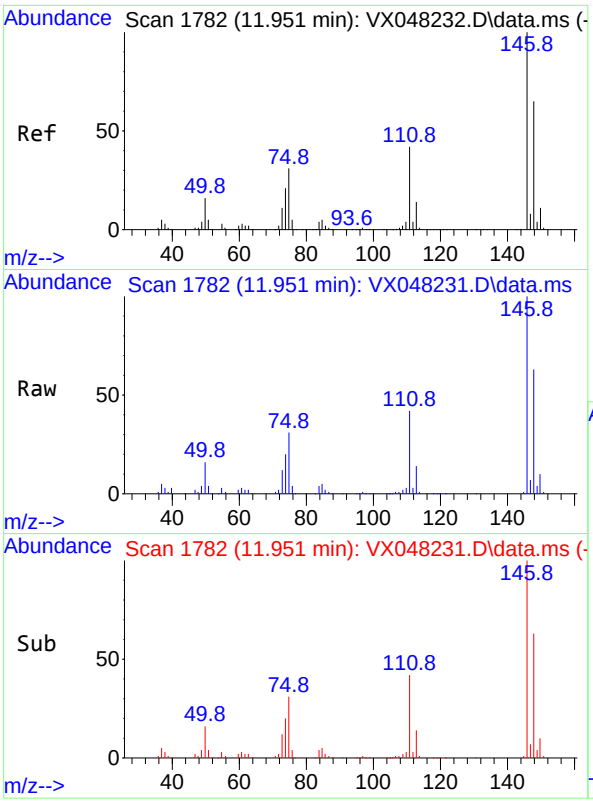




#86
p-Isopropyltoluene
Concen: 19.568 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:119 Resp: 114969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.0 | 39.0 |
| 91 | 25.1 | 12.1 | 36.3 |



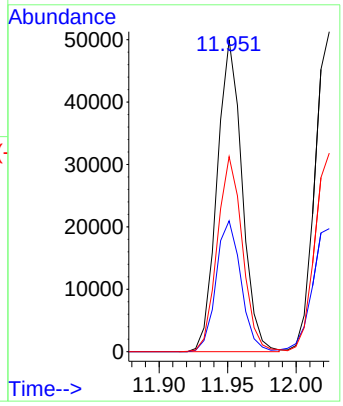


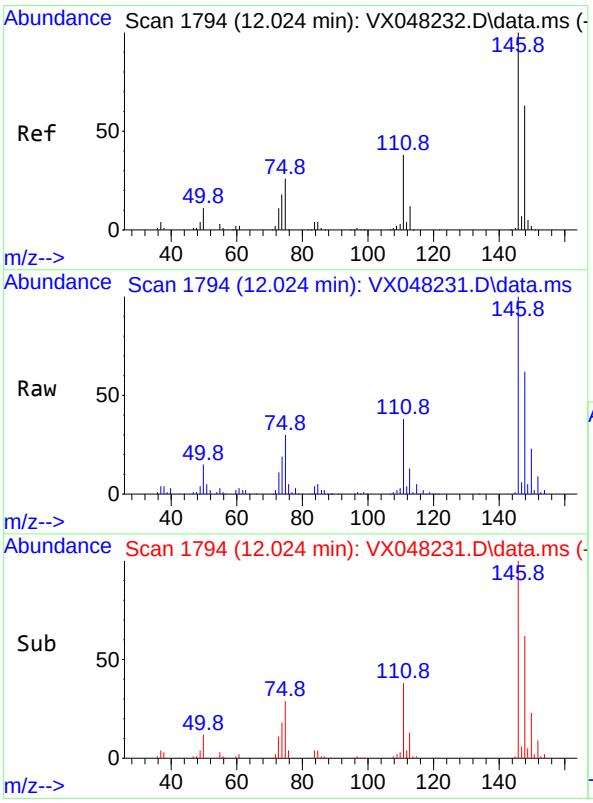

#87
1,3-Dichlorobenzene
Concen: 20.178 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 63377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 20.4 | 61.2 |
| 148 | 63.1 | 31.9 | 95.9 |

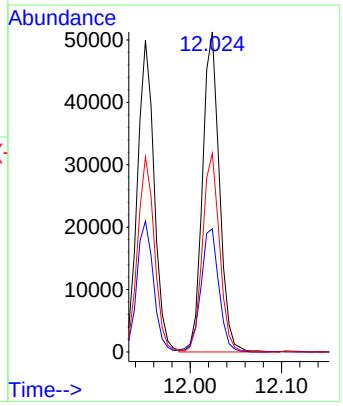


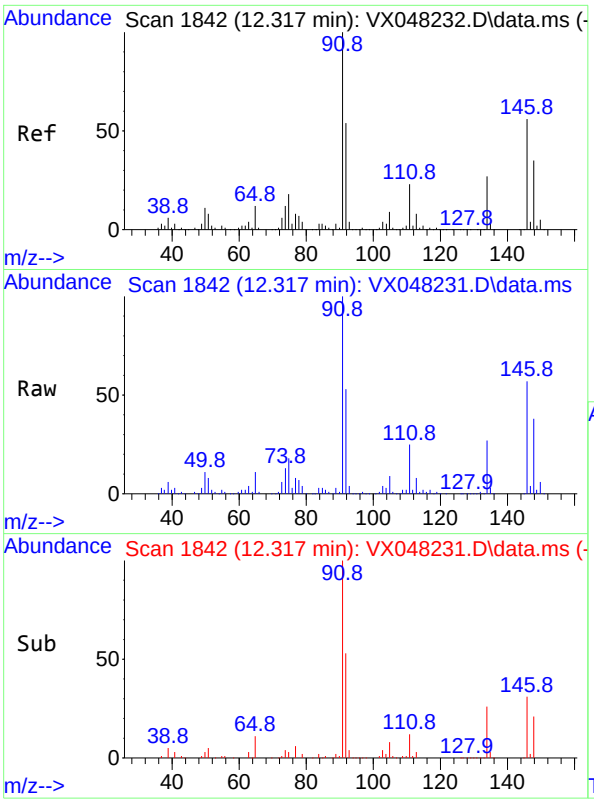




#88
1,4-Dichlorobenzene
Concen: 20.165 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:146 Resp: 65612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.1 | 60.2 |
| 148 | 62.6 | 31.8 | 95.3 |



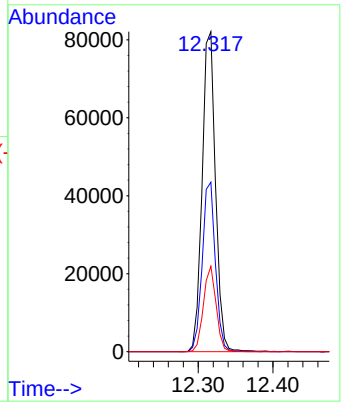


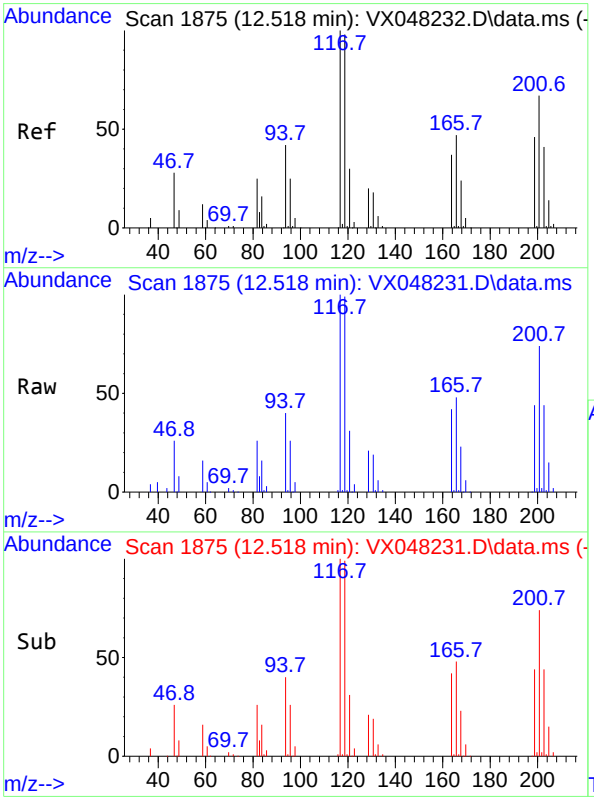

#89
n-Butylbenzene
Concen: 19.100 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 102140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.3 | 26.9 | 80.6 |
| 134 | 25.2 | 12.7 | 38.1 |

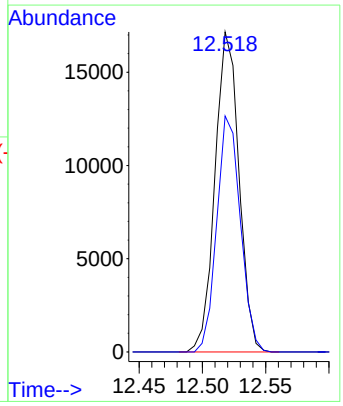


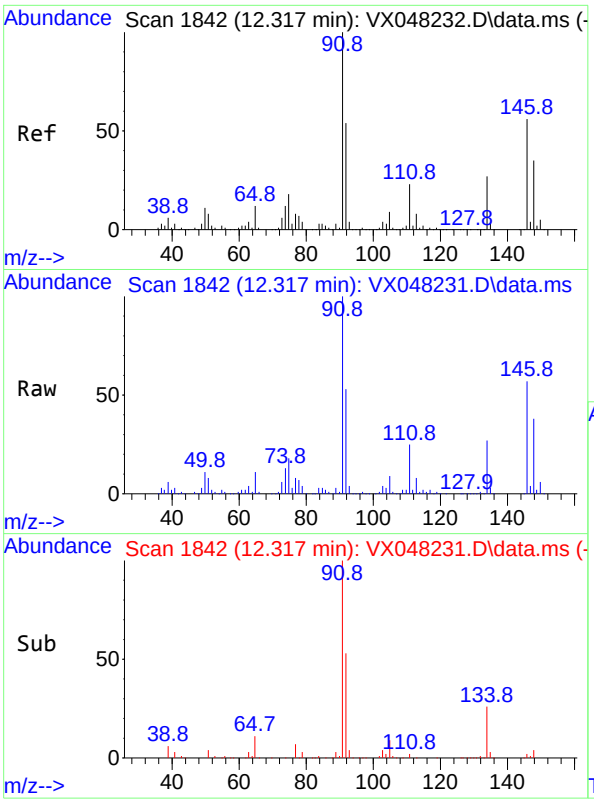




#90
Hexachloroethane
Concen: 19.487 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:117 Resp: 22609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.6 | 34.1 | 102.2 |



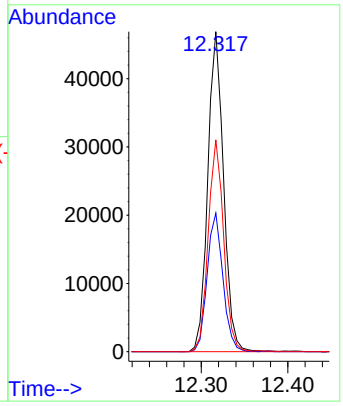


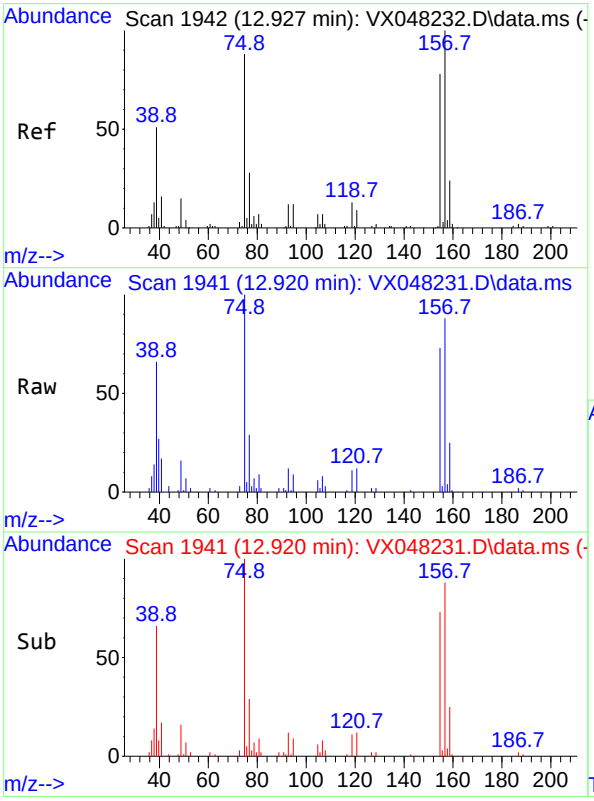

#91
1,2-Dichlorobenzene
Concen: 20.125 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 59345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.2 | 21.9 | 65.5 |
| 148 | 64.9 | 31.9 | 95.5 |

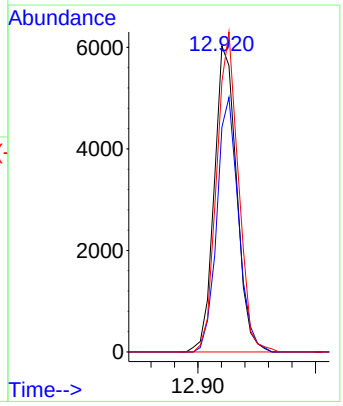


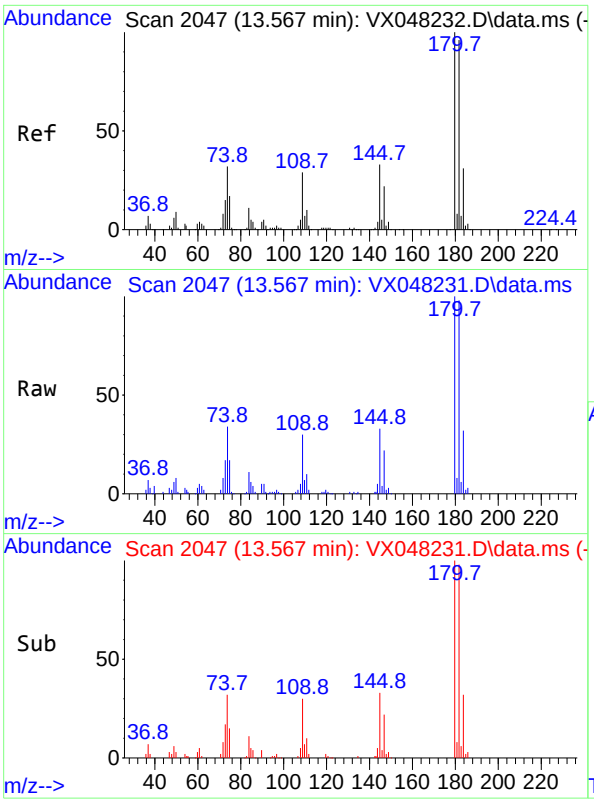




#92
1,2-Dibromo-3-Chloropropane
Concen: 21.674 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 7983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.3 | 42.8 | 128.4 |
| 157 | 101.4 | 54.2 | 162.6 |



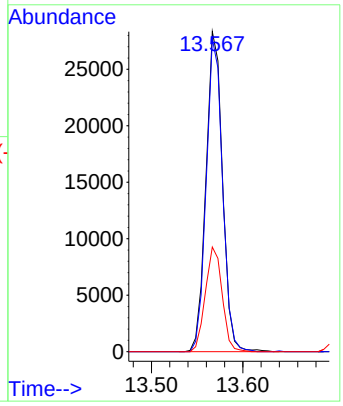


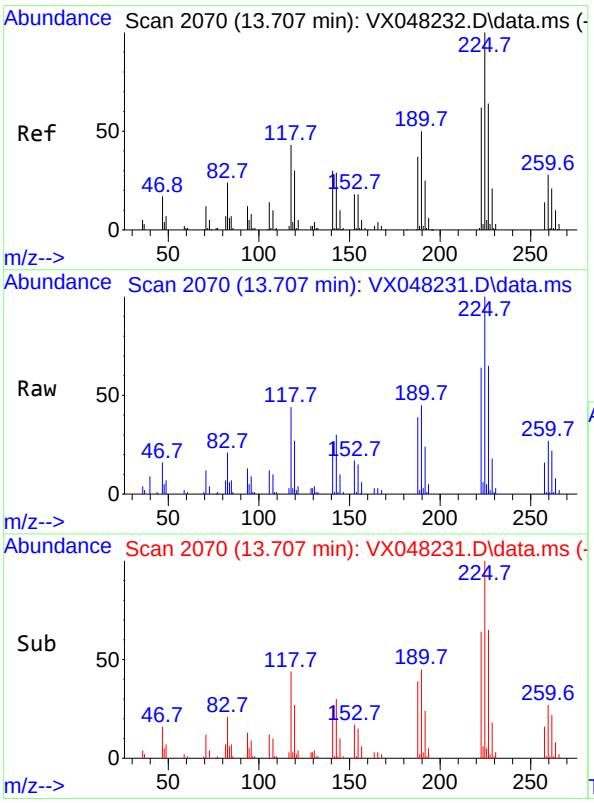

#93
1,2,4-Trichlorobenzene
Concen: 17.784 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:180 Resp: 35465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.3 | 47.3 | 142.0 |
| 145 | 33.2 | 16.3 | 48.9 |

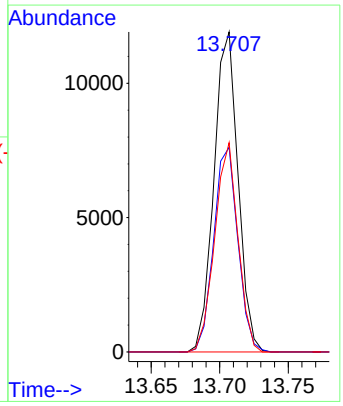


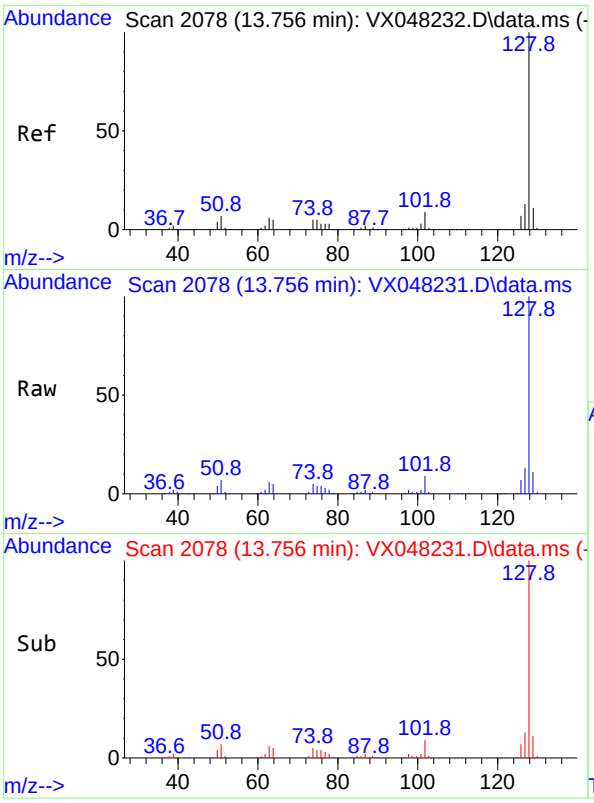




#94
Hexachlorobutadiene
Concen: 19.483 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:225 Resp: 14529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.3 | 32.6 | 97.7 |
| 227 | 63.2 | 32.5 | 97.4 |



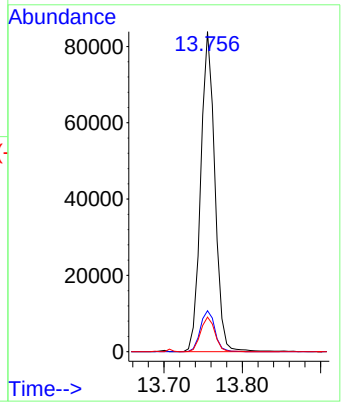


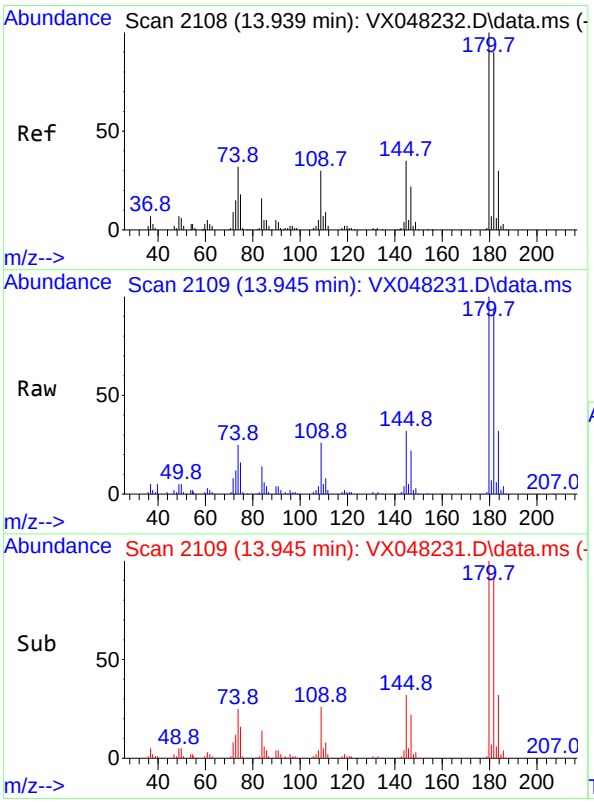

#95
Naphthalene
Concen: 19.836 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:128 Resp: 104803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.2 | 15.4 |
| 129 | 11.0 | 8.6 | 12.8 |

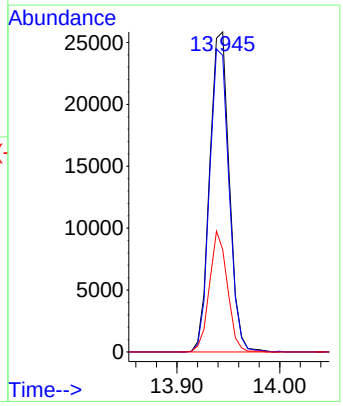



#96
1,2,3-Trichlorobenzene
Concen: 18.730 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:180 Resp: 34276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.0 | 46.6 | 139.7 |
| 145 | 34.6 | 16.9 | 50.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Oct 25 03:35:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 124491 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 201906 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 184494 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 92693 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 84951 | 48.670 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 97.340% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 66593 | 48.312 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.620% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 239295 | 49.529 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 99.060% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 89579 | 48.737 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 97.480% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 60172 | 47.017 | ug/l | 98 |
| 3) Chloromethane | 1.301 | 50 | 55934 | 46.824 | ug/l | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 51819 | 46.845 | ug/l | 99 |
| 5) Bromomethane | 1.618 | 94 | 35101 | 46.757 | ug/l | 98 |
| 6) Chloroethane | 1.697 | 64 | 30718 | 47.258 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 100423 | 47.336 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 27723 | 46.442 | ug/l | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 62391 | 46.442 | ug/l | 95 |
| 10) Methyl Iodide | 2.459 | 142 | 82552 | 48.881 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.947 | 59 | 38534 | 222.353 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 60330 | 46.160 | ug/l | 94 |
| 13) Acrolein | 2.239 | 56 | 40536 | 229.343 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 100234 | 46.192 | ug/l | 97 |
| 15) Acrylonitrile | 3.056 | 53 | 149009 | 238.450 | ug/l | 100 |
| 16) Acetone | 2.374 | 43 | 126003 | 210.429 | ug/l | 100 |
| 17) Carbon Disulfide | 2.514 | 76 | 179492 | 43.575 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 58071 | 46.437 | ug/l | 91 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 212092 | 47.567 | ug/l | 96 |
| 20) Methylene Chloride | 2.788 | 84 | 68663 | 47.061 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 66608 | 46.395 | ug/l | 96 |
| 22) Diisopropyl ether | 3.757 | 45 | 206901 | 47.805 | ug/l | 91 |
| 23) Vinyl Acetate | 3.715 | 43 | 839370 | 242.786 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 121657 | 46.487 | ug/l | 99 |
| 25) 2-Butanone | 4.544 | 43 | 175075 | 230.996 | ug/l | 93 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 109062 | 46.171 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 77911 | 46.500 | ug/l | 98 |
| 28) Bromochloromethane | 4.885 | 49 | 54919 | 50.611 | ug/l | 85 |
| 29) Tetrahydrofuran | 4.989 | 42 | 106381 | 234.362 | ug/l | 93 |
| 30) Chloroform | 5.087 | 83 | 130274 | 46.594 | ug/l | 96 |
| 31) Cyclohexane | 5.465 | 56 | 102251 | 47.194 | ug/l | 92 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 121090 | 46.992 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 87493 | 44.659 | ug/l | 98 |
| 37) Ethyl Acetate | 4.702 | 43 | 74261 | 45.730 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 111708 | 46.216 | ug/l | 98 |
| 39) Methylcyclohexane | 7.367 | 83 | 109077 | 47.143 | ug/l | 94 |
| 40) Benzene | 6.025 | 78 | 262745 | 46.192 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Oct 25 03:35:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.904 | 41 | 41293 | 48.421 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 100937 | 48.090 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 128290 | 48.095 | ug/l | | 96 |
| 44) Trichloroethene | 7.111 | 130 | 70313 | 46.815 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 64895 | 47.986 | ug/l | | 99 |
| 46) Dibromomethane | 7.568 | 93 | 49874 | 47.337 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.806 | 83 | 108671 | 47.770 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.678 | 41 | 65057 | 48.334 | ug/l | | 94 |
| 49) 1,4-Dioxane | 7.647 | 88 | 17905 | 1006.888 | ug/l | | 90 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 380665 | 247.515 | ug/l | | 95 |
| 52) Toluene | 8.702 | 92 | 173942 | 48.136 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 109960 | 50.159 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 115534 | 48.847 | ug/l | | 93 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 64737 | 48.174 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.104 | 69 | 98851 | 50.292 | ug/l | | 94 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 110709 | 48.231 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 262387 | 248.279 | ug/l | | 95 |
| 59) 2-Hexanone | 9.415 | 43 | 269143 | 250.974 | ug/l | | 96 |
| 60) Dibromochloromethane | 9.506 | 129 | 85760 | 47.482 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 69022 | 48.180 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.257 | 164 | 60510 | 43.934 | ug/l | | 96 |
| 65) Chlorobenzene | 10.061 | 112 | 192841 | 46.465 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 71930 | 47.187 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 336660 | 47.645 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 253662 | 96.619 | ug/l | | 100 |
| 69) o-Xylene | 10.622 | 106 | 122582 | 48.363 | ug/l | | 98 |
| 70) Styrene | 10.640 | 104 | 210861 | 48.857 | ug/l | | 100 |
| 71) Bromoform | 10.781 | 173 | 56874 | 46.682 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 317974 | 46.966 | ug/l | | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 115683 | 48.171 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 87705 | 47.437 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 99387 | 66.118 | ug/l | | 79 |
| 77) Bromobenzene | 11.183 | 156 | 79543 | 46.856 | ug/l | | 94 |
| 78) n-propylbenzene | 11.287 | 91 | 372312 | 47.496 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 222217 | 46.757 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 265174 | 47.329 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 29295 | 47.415 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 267236 | 47.367 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.695 | 119 | 270202 | 46.938 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 265485 | 47.480 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 322219 | 46.524 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 276821 | 46.242 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 143699 | 44.902 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 146196 | 44.097 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 243063 | 44.609 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 52735 | 44.609 | ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 138489 | 46.091 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.927 | 75 | 18059 | 48.120 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 88920 | 43.761 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 34615 | 45.467 | ug/l | | 97 |
| 95) Naphthalene | 13.756 | 128 | 257281 | 47.792 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 84279 | 45.200 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Oct 25 03:35:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

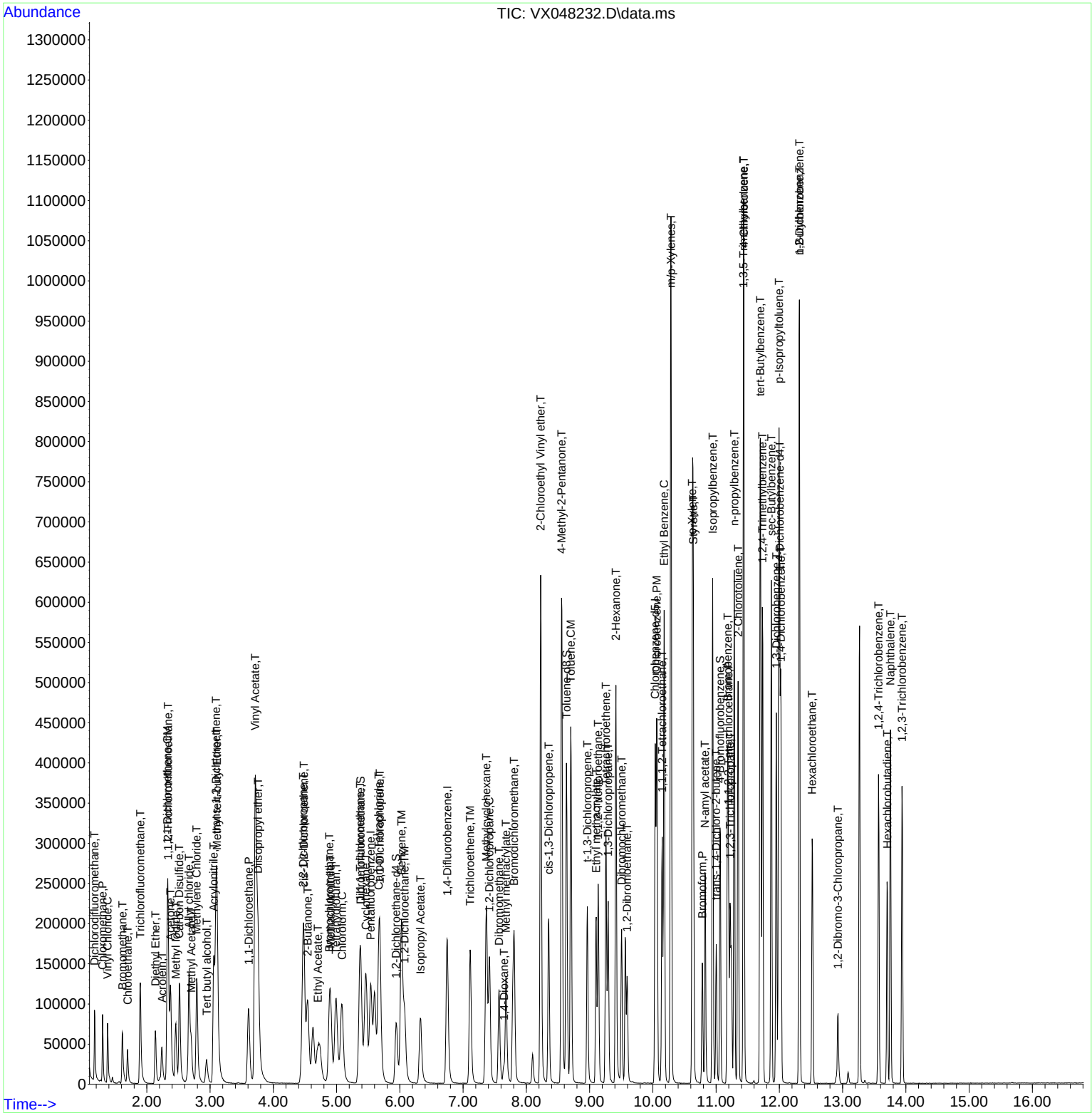
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

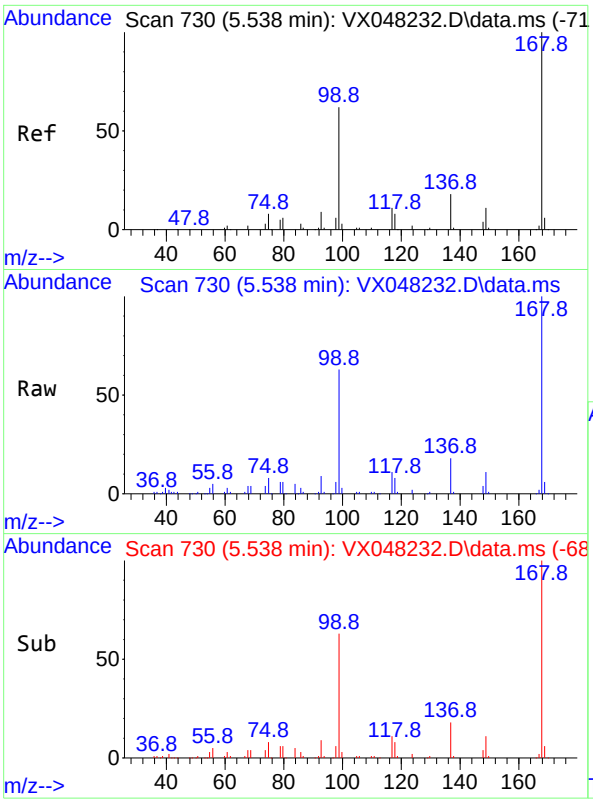
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Oct 25 03:35:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



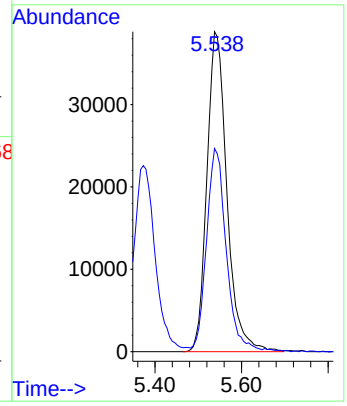


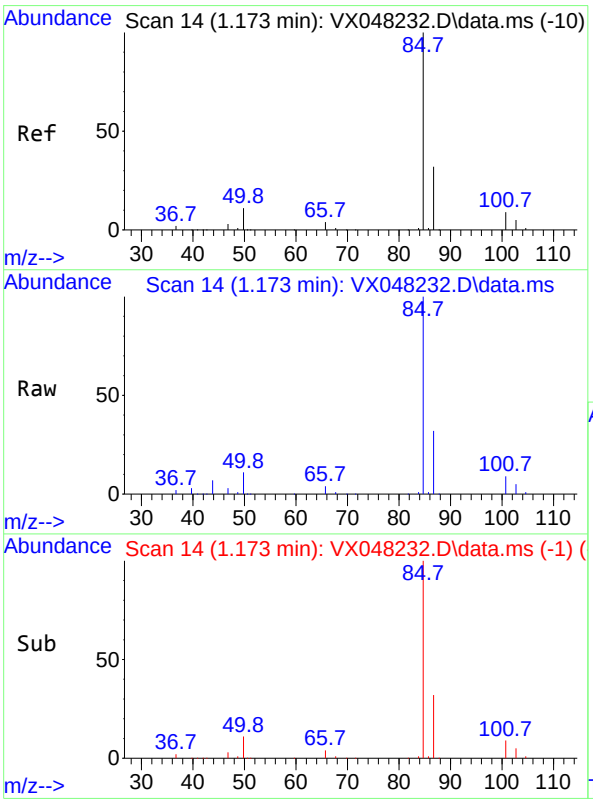

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:168 Resp: 124491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.3 | 46.4 | 69.6 |

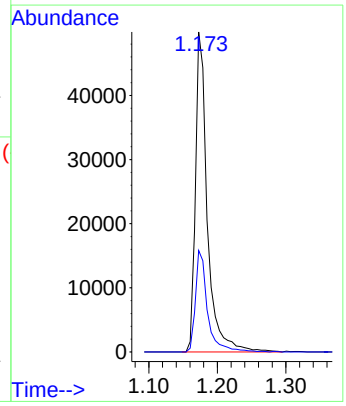


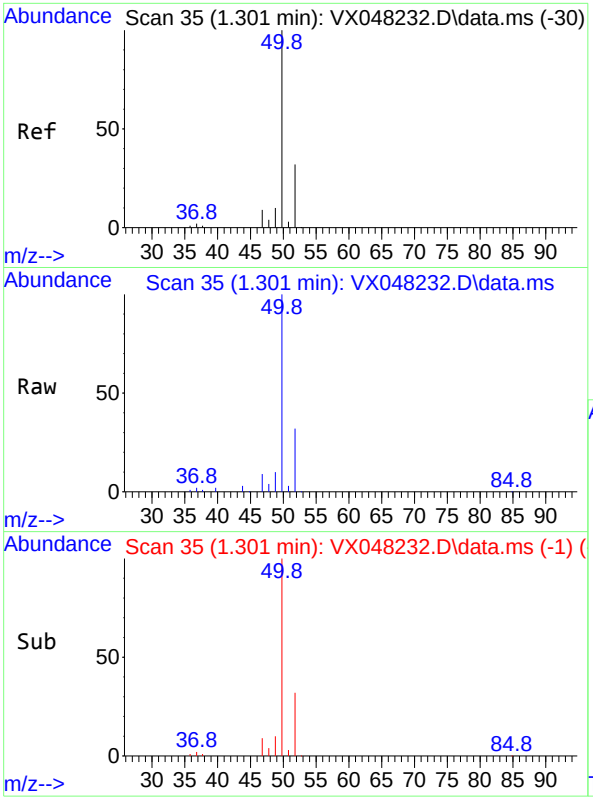




#2
Dichlorodifluoromethane
Concen: 47.017 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 85 Resp: 60172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 15.3 | 45.9 |



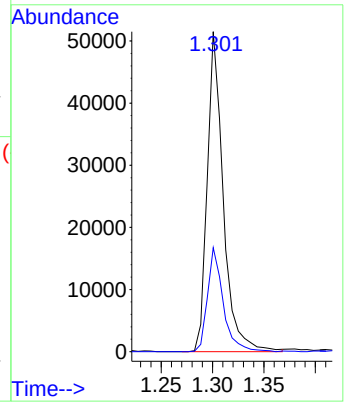


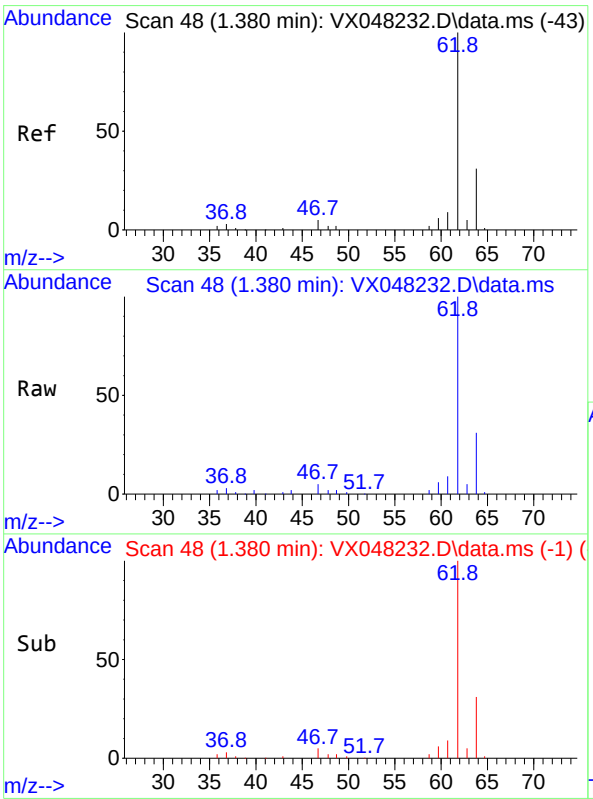

#3
Chloromethane
Concen: 46.824 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 50 Resp: 55934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 25.9 | 38.9 |

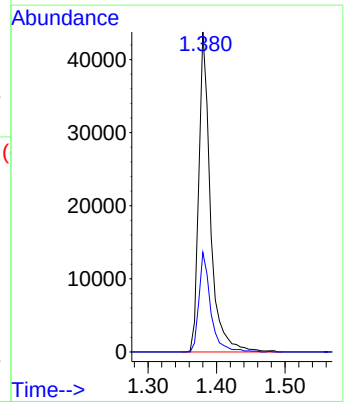


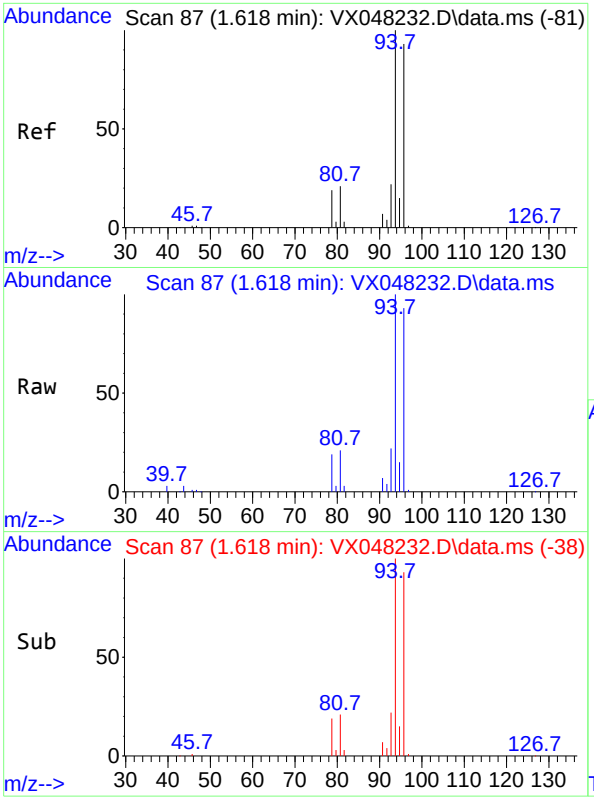




#4
Vinyl Chloride
Concen: 46.845 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 62 Resp: 51819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 25.1 | 37.7 |



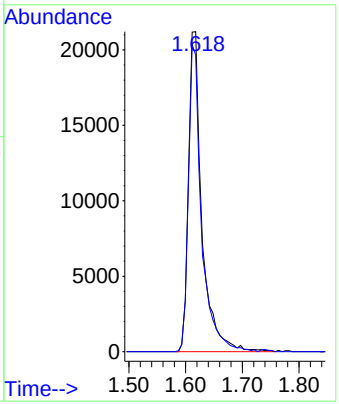


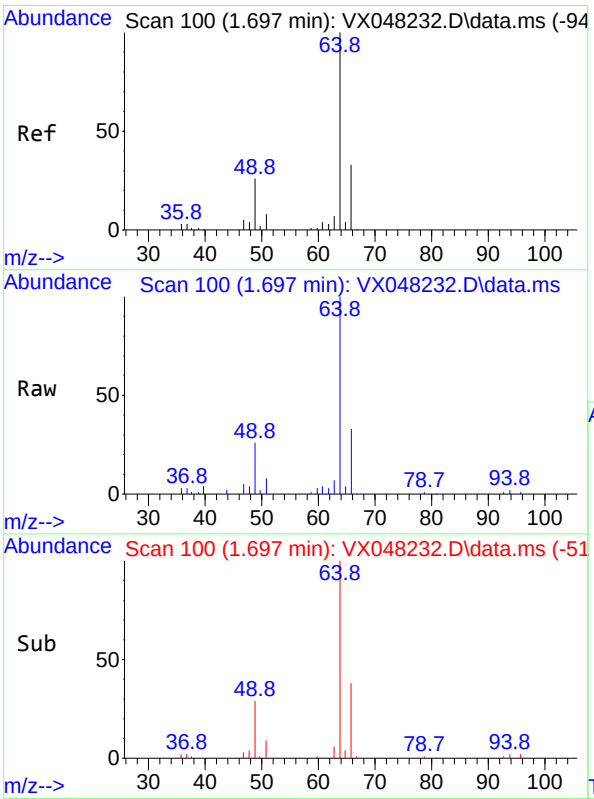

#5
Bromomethane
Concen: 46.757 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 94 Resp: 35101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.7 | 76.0 | 114.0 |

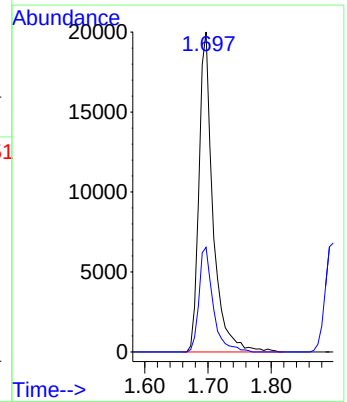


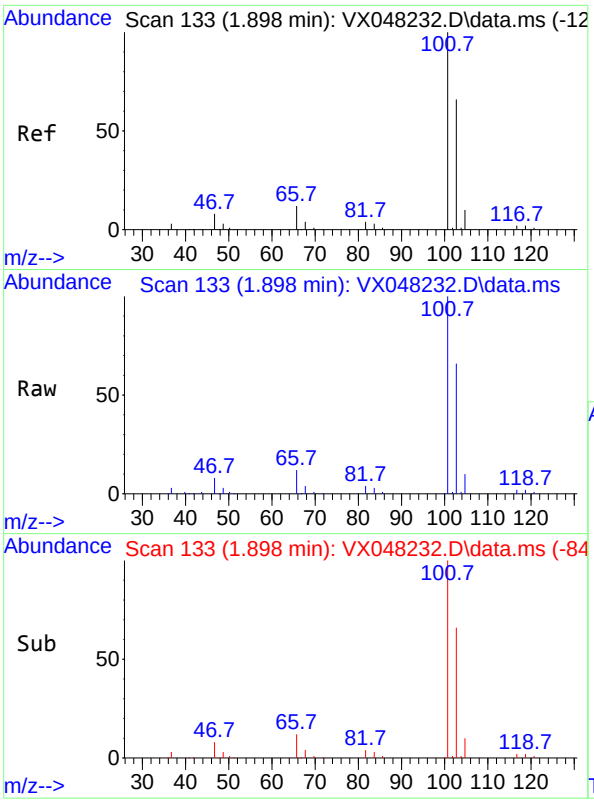




#6
Chloroethane
Concen: 47.258 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 64 Resp: 30718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.7 | 23.9 | 35.9 |



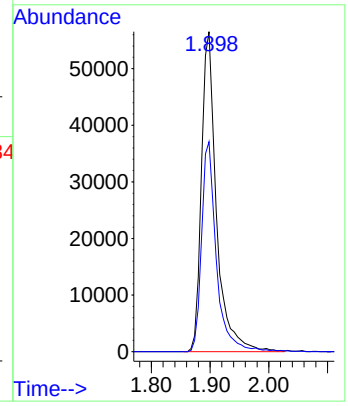


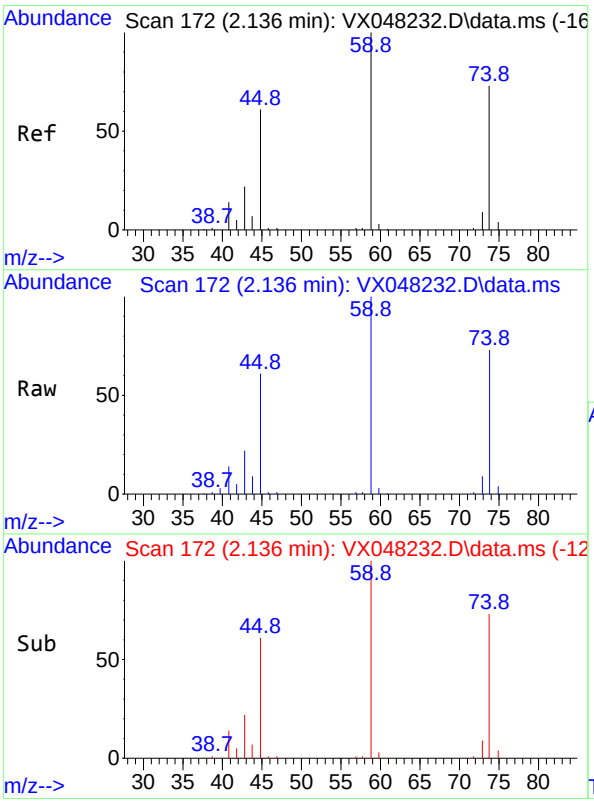

#7
Trichlorofluoromethane
Concen: 47.336 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 100423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.6 | 51.6 | 77.4 |

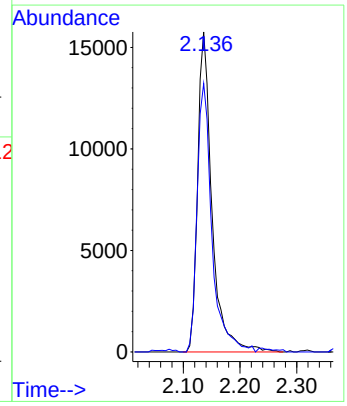


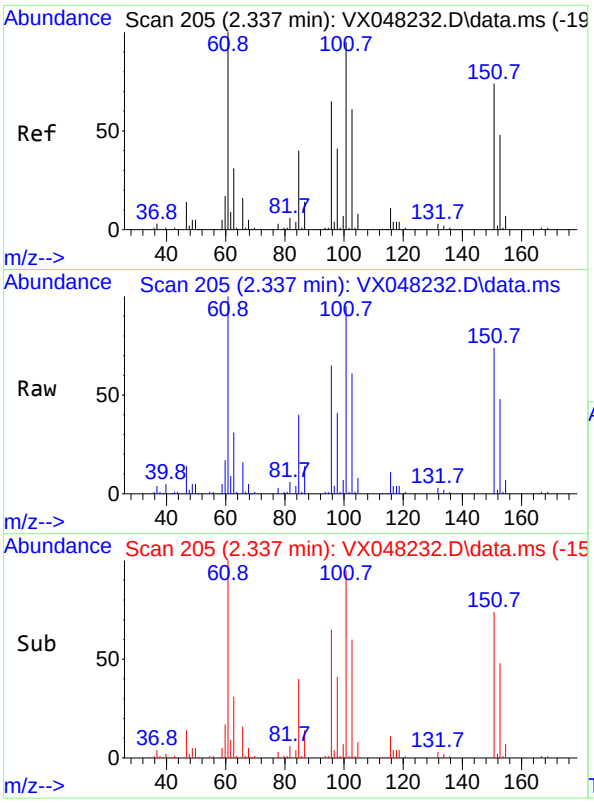




#8
Diethyl Ether
Concen: 46.442 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 74 Resp: 27723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 86.5 | 50.0 | 149.8 |



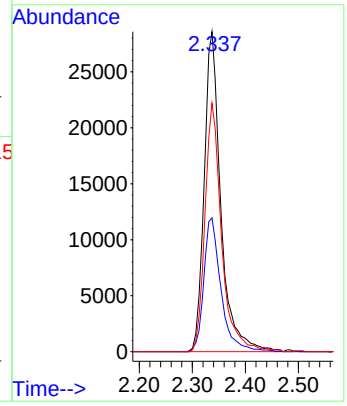


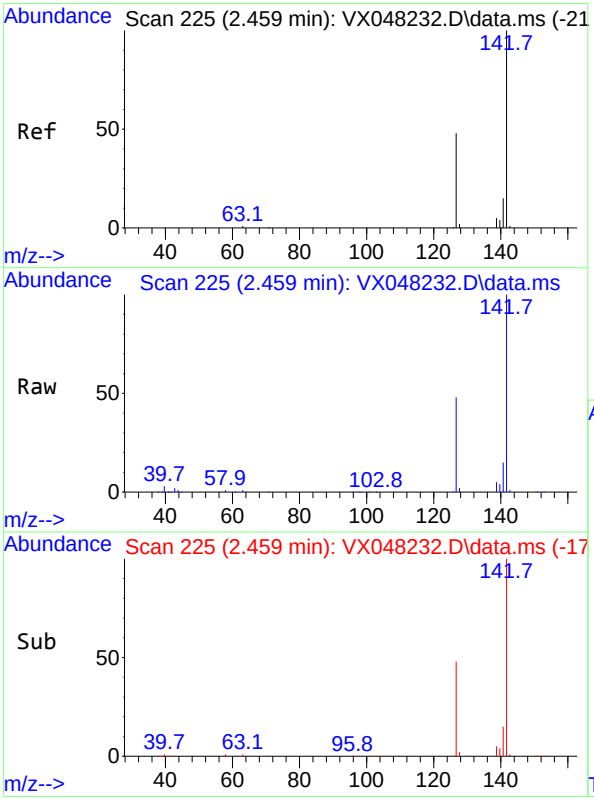

#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.442 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 62391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.2 | 35.6 | 53.4 |
| 151 | 77.9 | 58.0 | 87.0 |

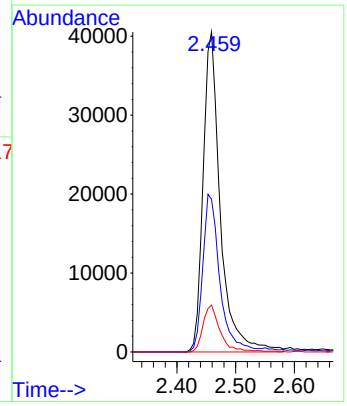


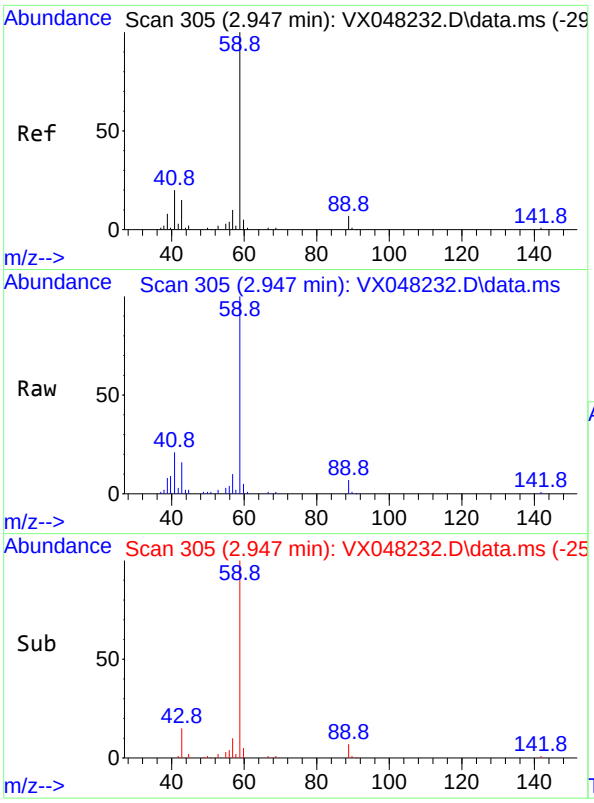




#10
Methyl Iodide
Concen: 48.881 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:142 Resp: 82552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.9 | 38.5 | 57.7 |
| 141 | 14.7 | 11.6 | 17.4 |



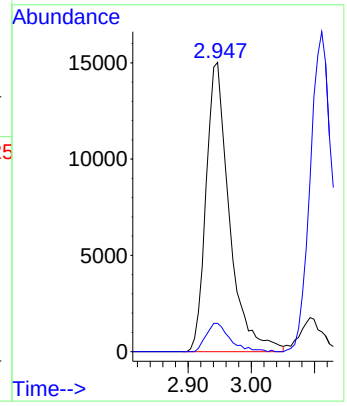


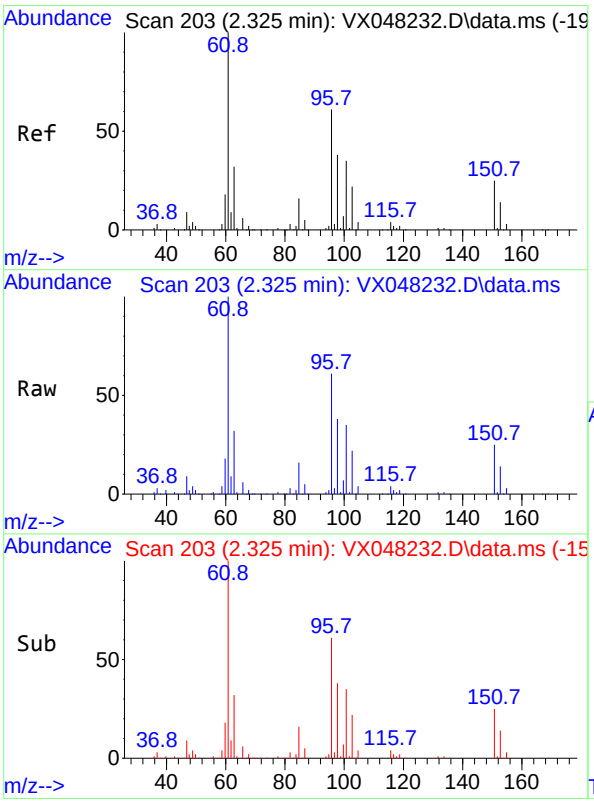

#11
Tert butyl alcohol
Concen: 222.353 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 59 Resp: 38534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.1 | 8.2 | 12.4 |

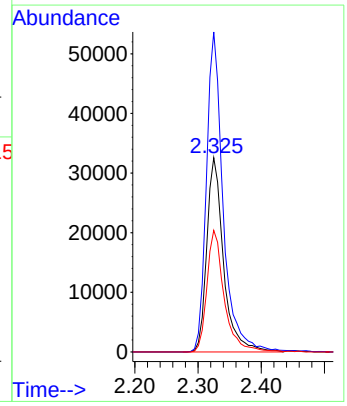


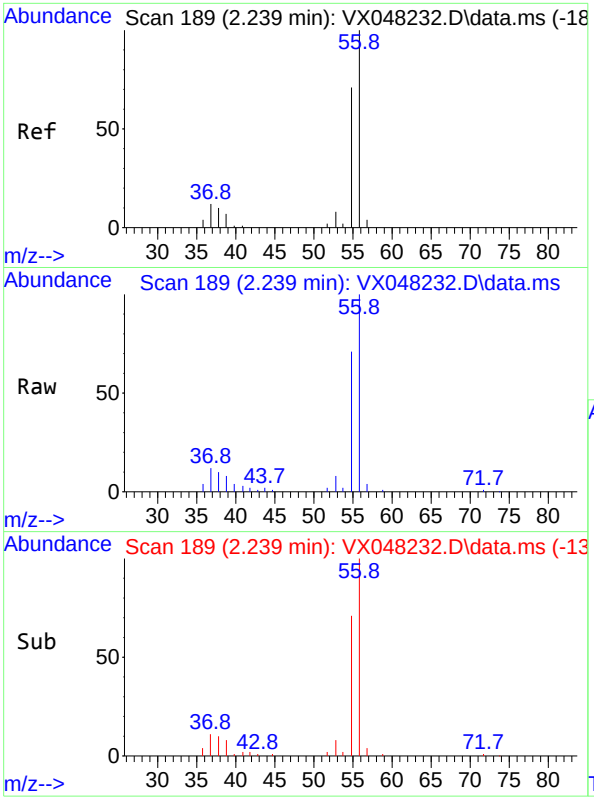




#12
1,1-Dichloroethene
Concen: 46.160 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 96 Resp: 60330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 164.7 | 139.0 | 208.6 |
| 98 | 62.6 | 52.4 | 78.6 |



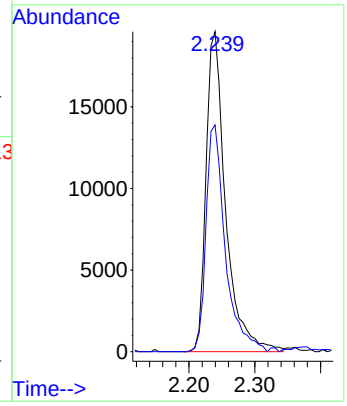


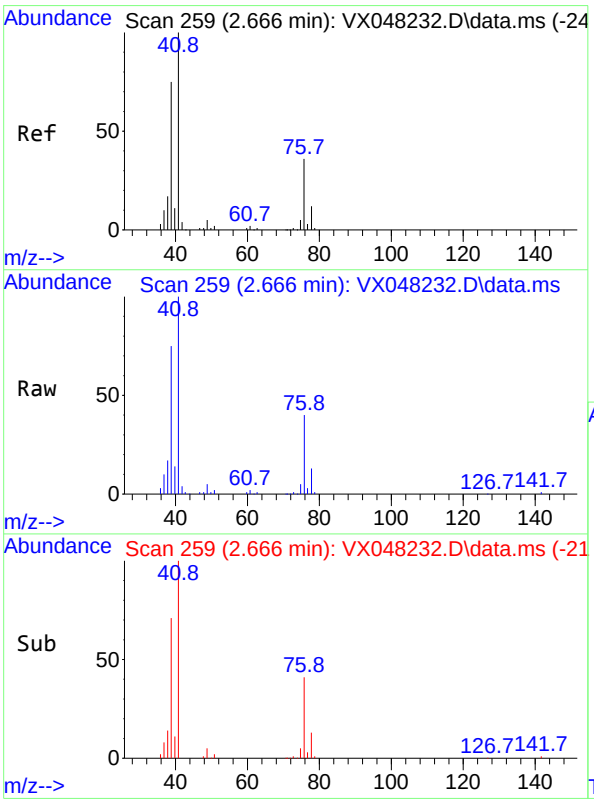

#13
Acrolein
Concen: 229.343 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 40536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.8 | 56.1 | 84.1 |

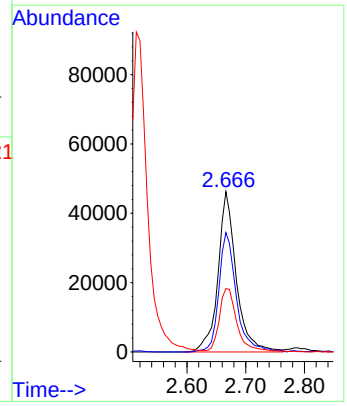


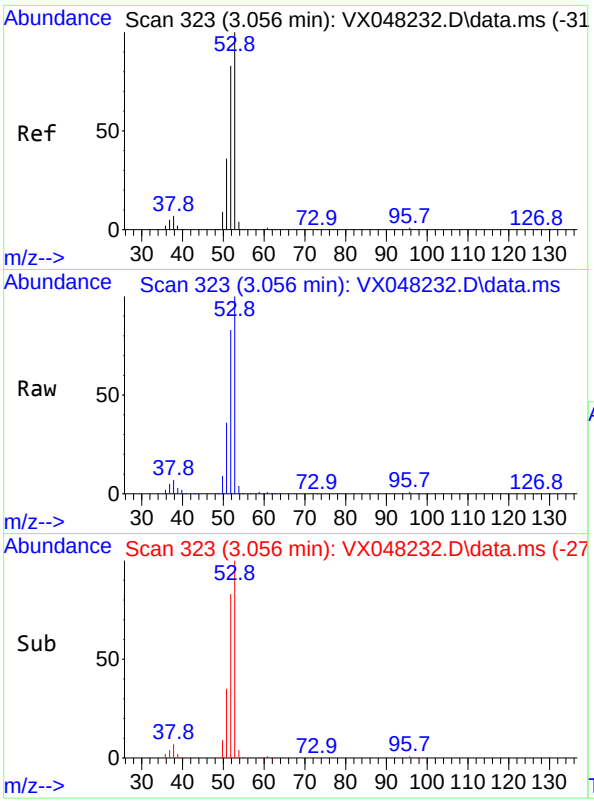




#14
Allyl chloride
Concen: 46.192 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 41 Resp: 100234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.0 | 56.0 | 84.0 |
| 76 | 38.6 | 27.5 | 41.3 |



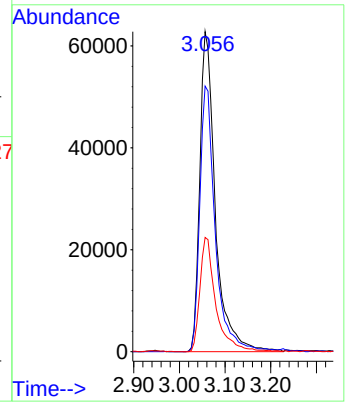


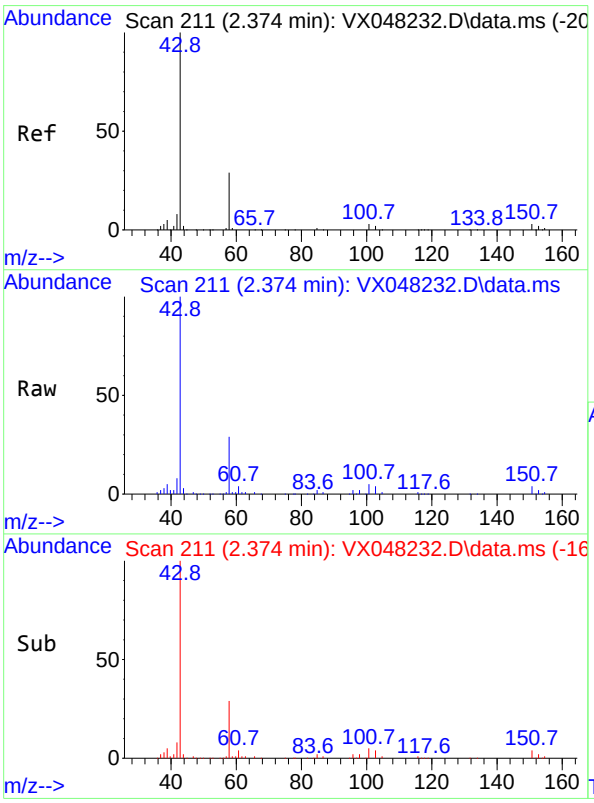

#15
Acrylonitrile
Concen: 238.450 ug/l
RT: 3.056 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 53 Resp: 149009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.9 | 66.1 | 99.1 |
| 51 | 36.6 | 29.0 | 43.4 |

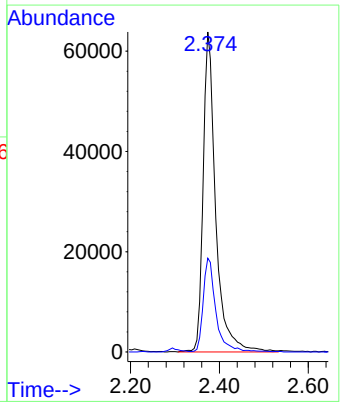


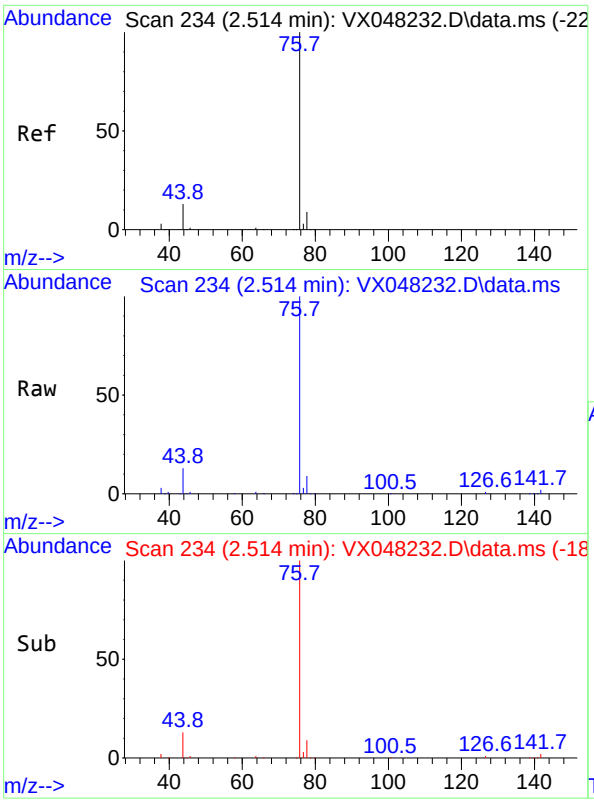




#16
Acetone
Concen: 210.429 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 126003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.2 | 23.4 | 35.2 |



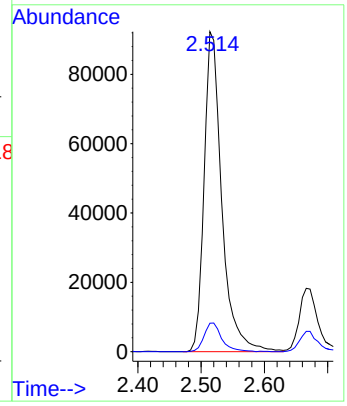


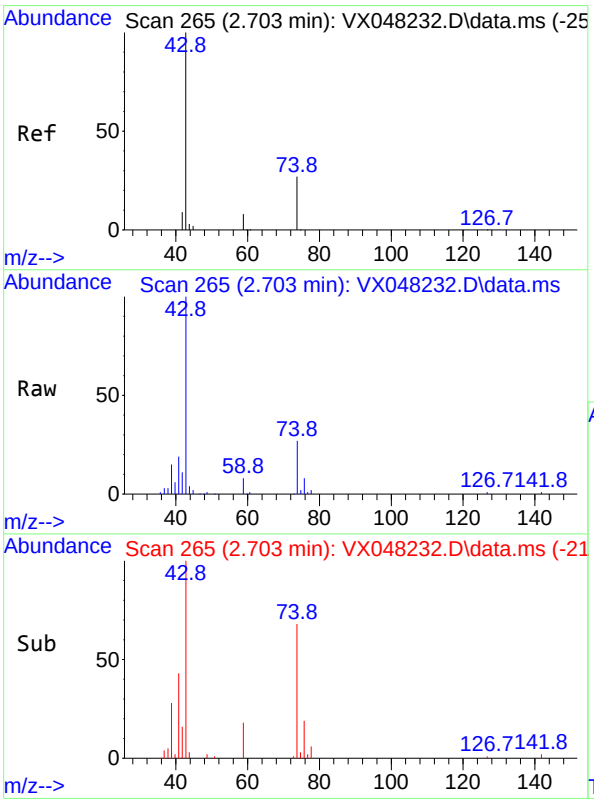

#17
Carbon Disulfide
Concen: 43.575 ug/l
RT: 2.514 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 179492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.1 | 10.7 |

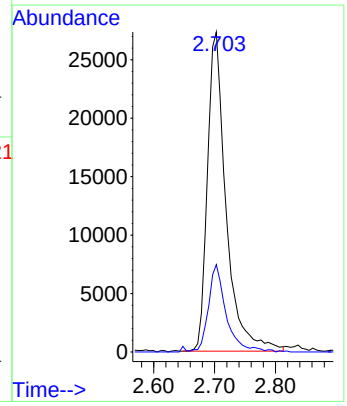


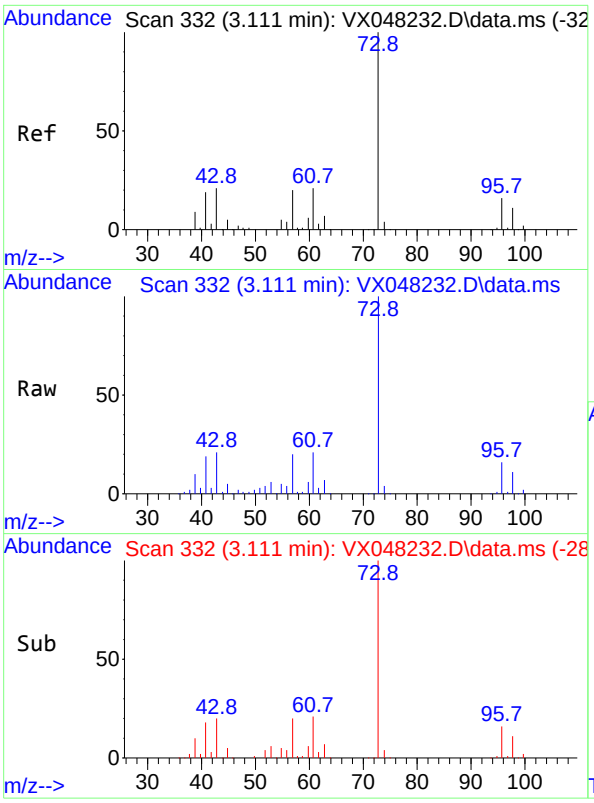




#18
Methyl Acetate
Concen: 46.437 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 58071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 26.0 | 17.5 | 26.3 |



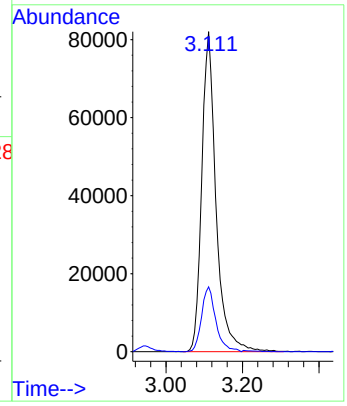


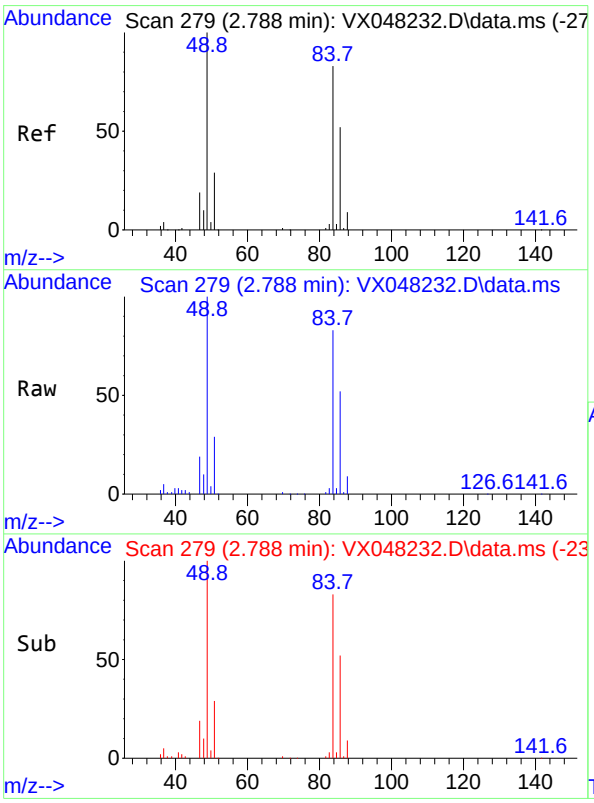

#19
Methyl tert-butyl Ether
Concen: 47.567 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 73 Resp: 212092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.3 | 17.7 | 26.5 |

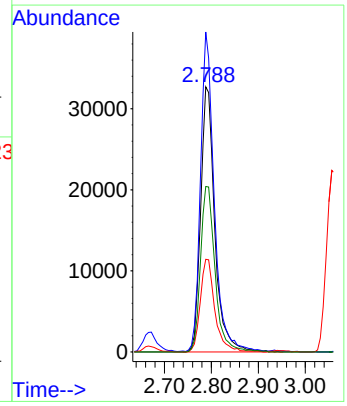


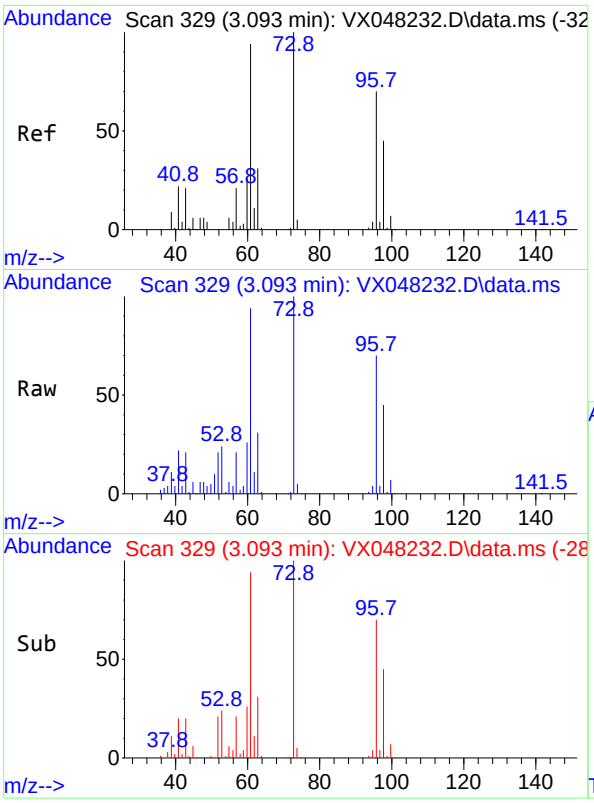




#20
Methylene Chloride
Concen: 47.061 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 84 Resp: 68663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.4 | 104.1 | 156.1 |
| 51 | 35.0 | 31.3 | 46.9 |
| 86 | 62.4 | 51.3 | 76.9 |



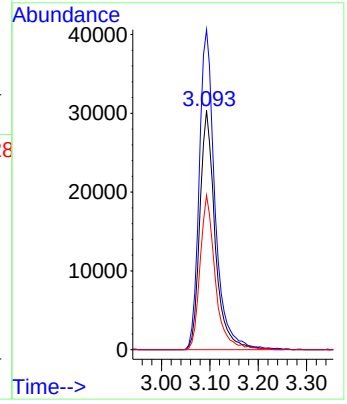


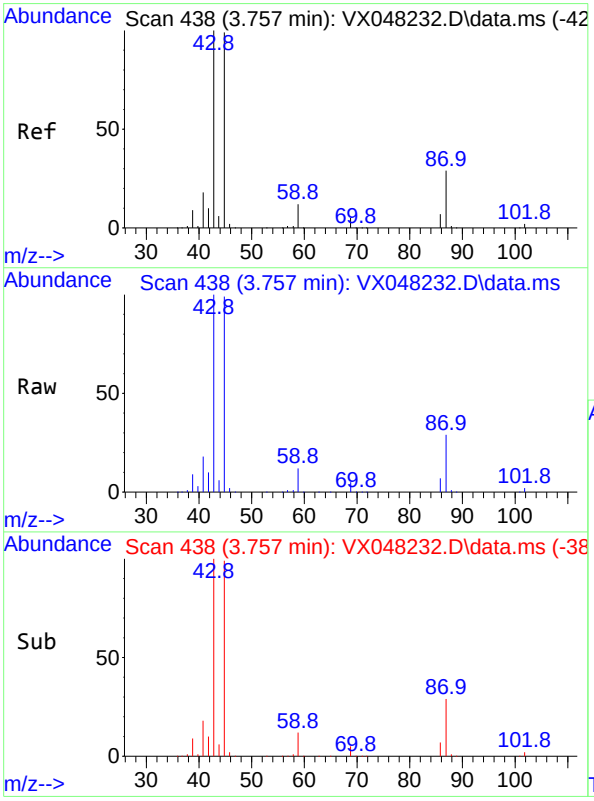

#21
trans-1,2-Dichloroethene
Concen: 46.395 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 66608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.8 | 111.9 | 167.9 |
| 98 | 64.5 | 51.2 | 76.8 |

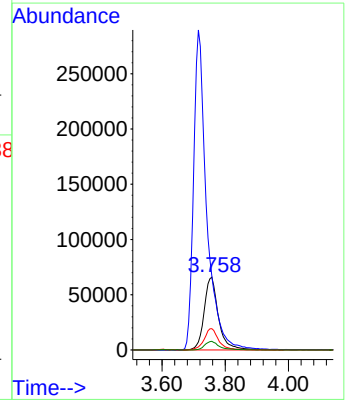


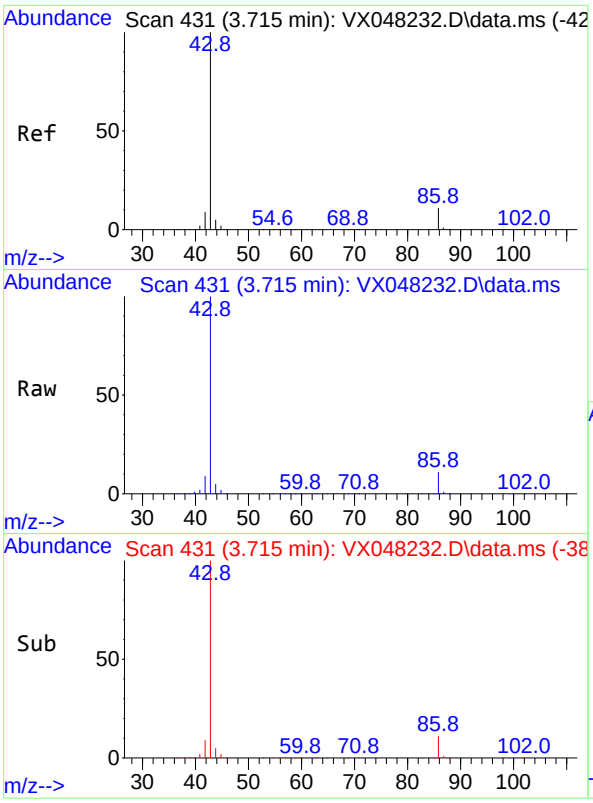




#22
Diisopropyl ether
Concen: 47.805 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 45 Resp: 206901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 101.1 | 89.8 | 134.8 |
| 87 | 29.3 | 20.6 | 31.0 |
| 59 | 11.9 | 9.1 | 13.7 |



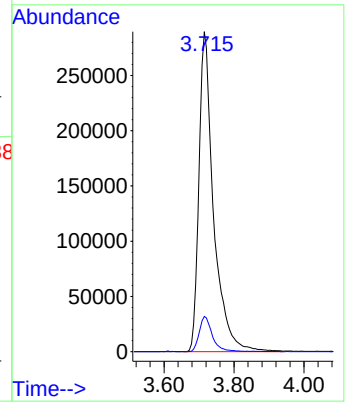


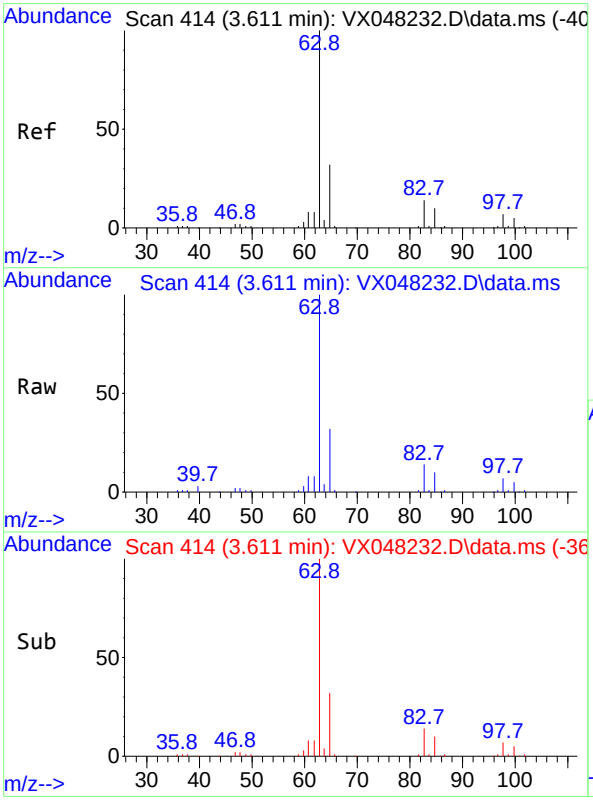

#23
Vinyl Acetate
Concen: 242.786 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 839370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.0 | 7.9 | 11.9 |

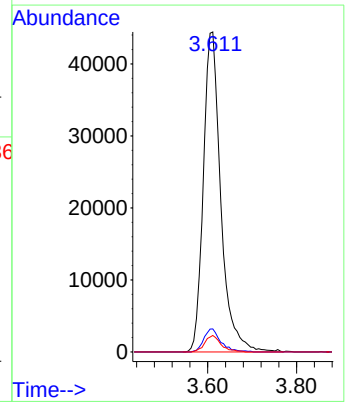


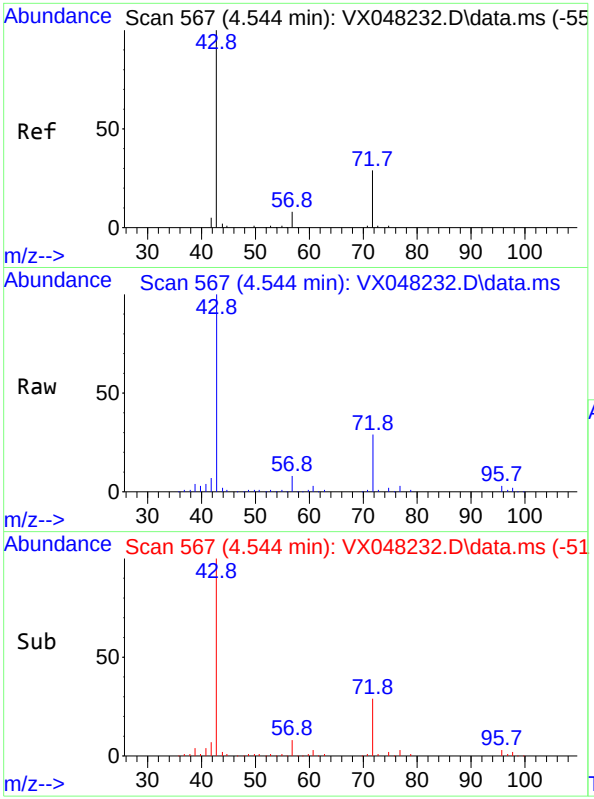




#24
1,1-Dichloroethane
Concen: 46.487 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 63 Resp: 121657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.5 | 10.6 |
| 100 | 5.1 | 2.1 | 6.3 |



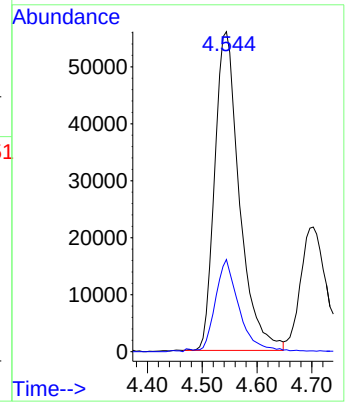


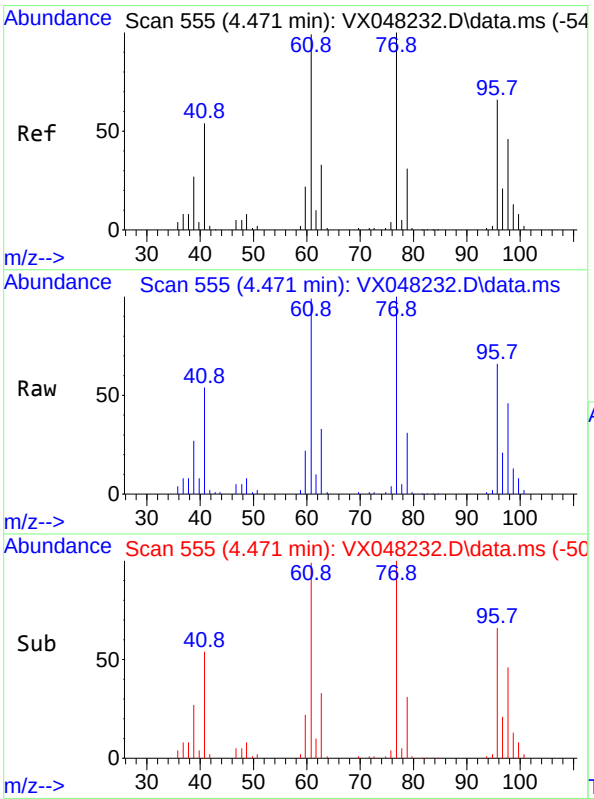

#25
2-Butanone
Concen: 230.996 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 175075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.6 | 19.9 | 29.9 |

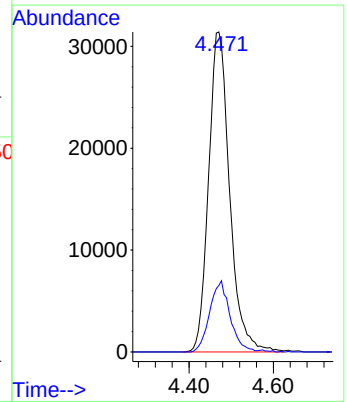


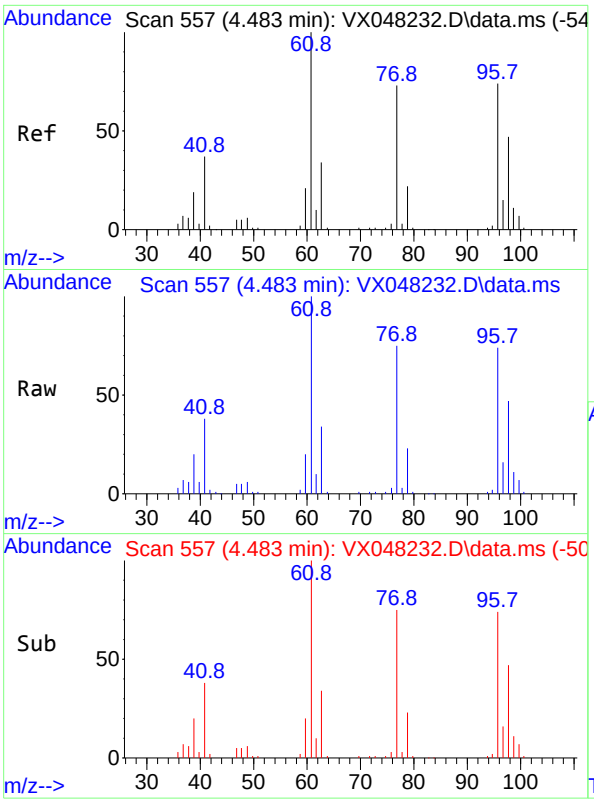




#26
2,2-Dichloropropane
Concen: 46.171 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 77 Resp: 109062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.5 | 11.1 | 33.3 |



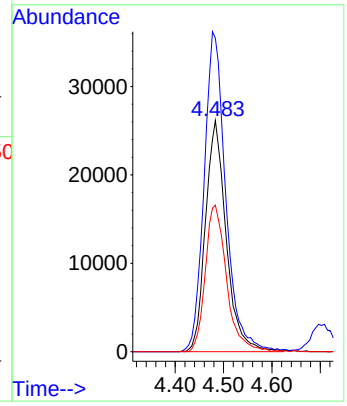


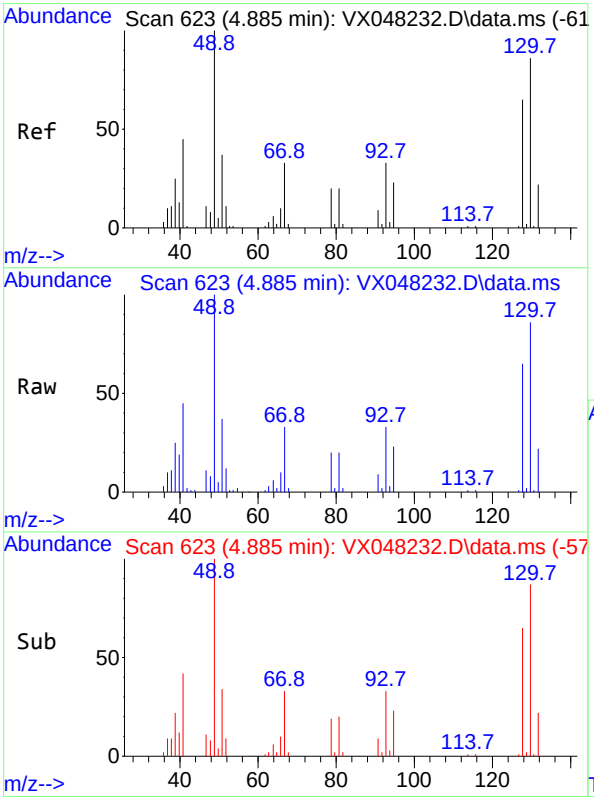

#27
cis-1,2-Dichloroethene
Concen: 46.500 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 77911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.4 | 0.0 | 294.2 |
| 98 | 64.9 | 0.0 | 128.4 |

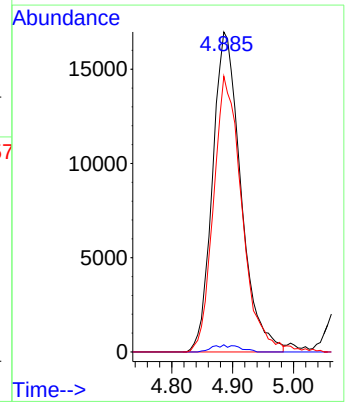


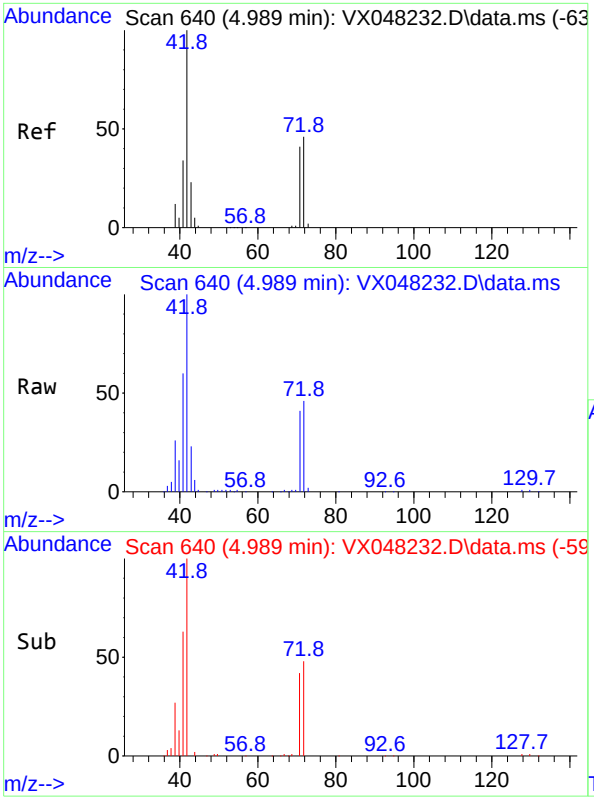




#28
Bromochloromethane
Concen: 50.611 ug/l
RT: 4.885 min Scan# 623
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 49 Resp: 54919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.8 | 0.0 | 4.4 |
| 130 | 86.9 | 59.3 | 88.9 |



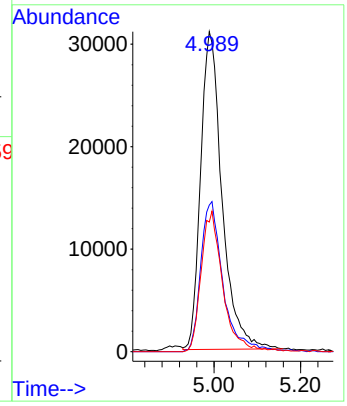


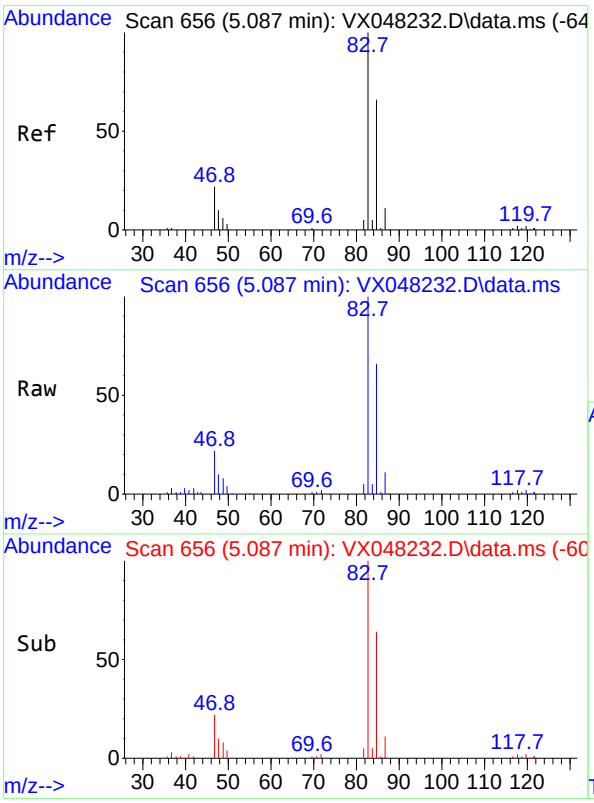

#29
Tetrahydrofuran
Concen: 234.362 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 42 Resp: 106381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 49.2 | 35.3 | 52.9 |
| 71 | 44.3 | 32.2 | 48.4 |

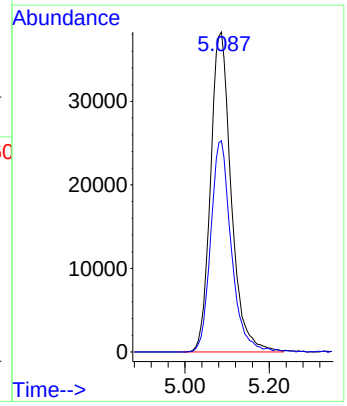


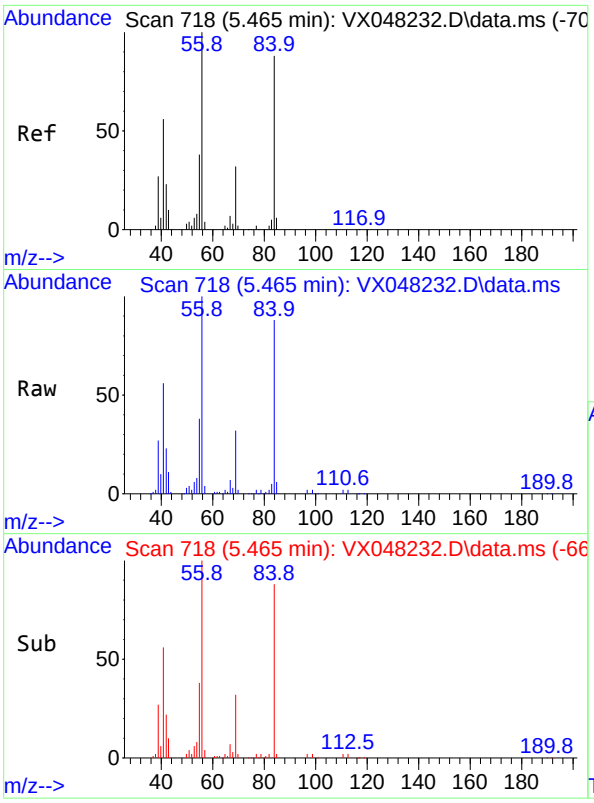




#30
Chloroform
Concen: 46.594 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 83 Resp: 130274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.0 | 50.1 | 75.1 |



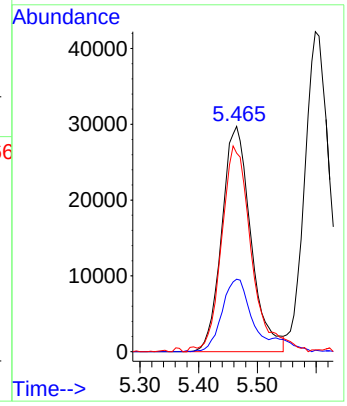


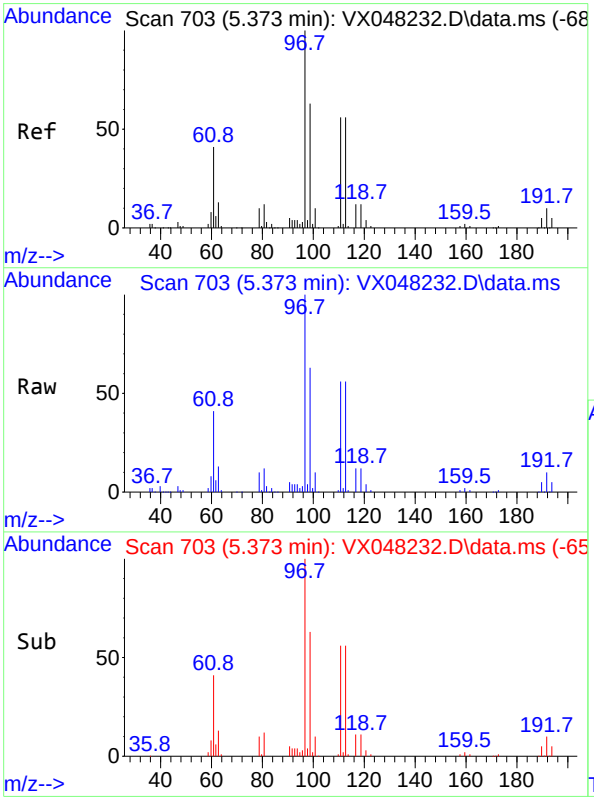

#31
Cyclohexane
Concen: 47.194 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 102251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.2 | 23.0 | 34.6 |
| 84 | 87.9 | 64.6 | 97.0 |

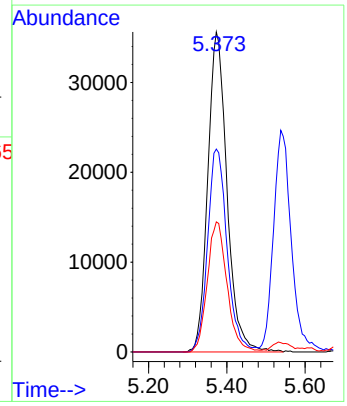


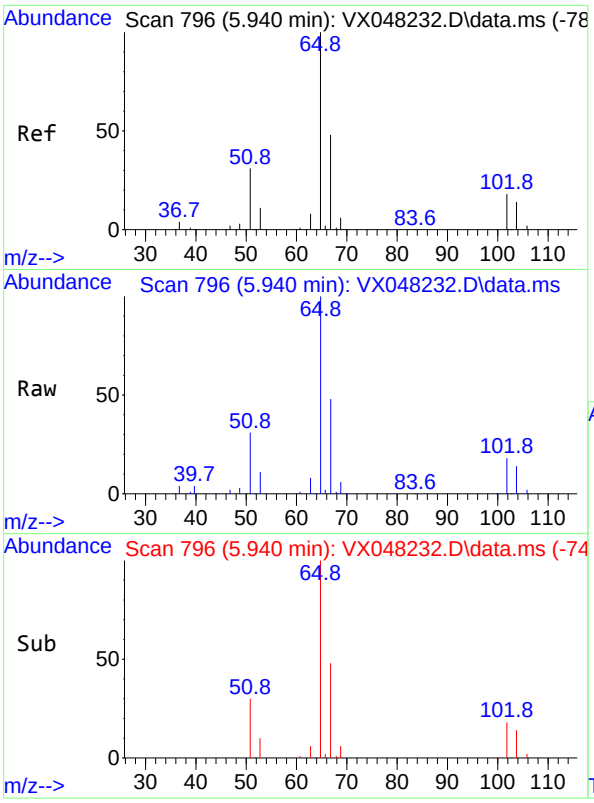




#32
1,1,1-Trichloroethane
Concen: 46.992 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 97 Resp: 121090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 51.7 | 77.5 |
| 61 | 41.8 | 34.8 | 52.2 |



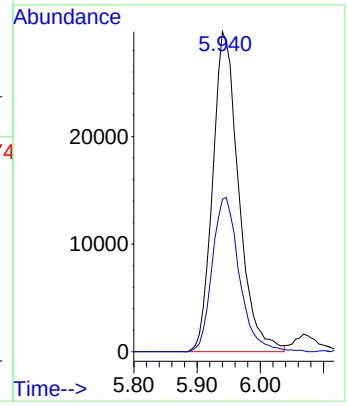


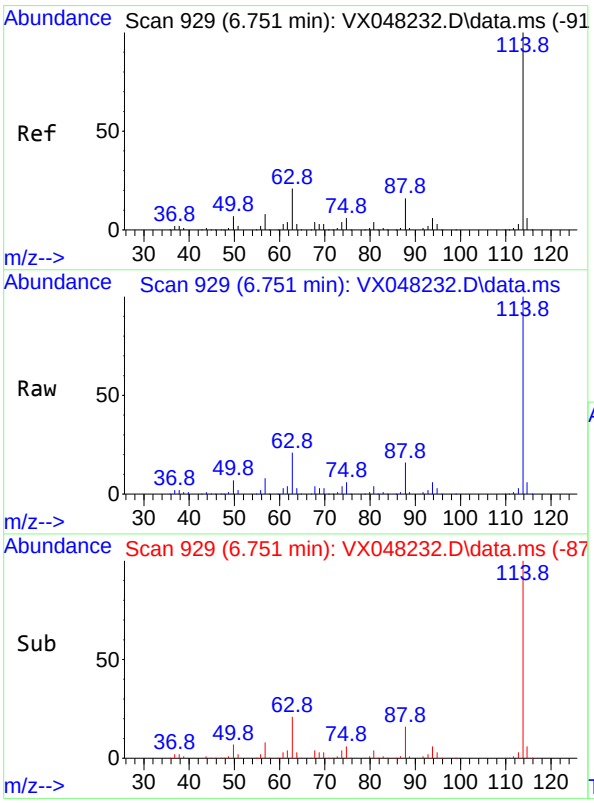

#33
1,2-Dichloroethane-d4
Concen: 48.670 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 65 Resp: 84951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.4 | 0.0 | 105.0 |

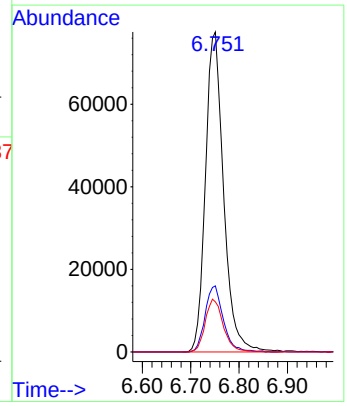


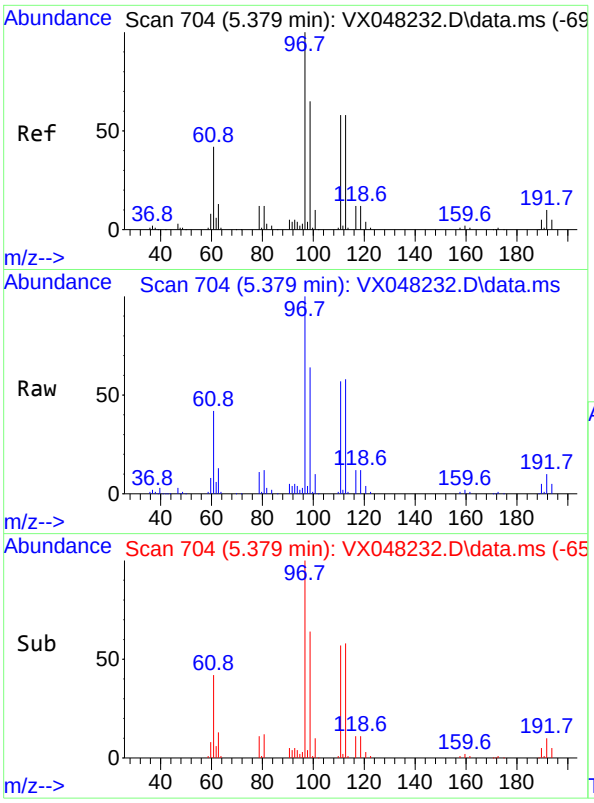




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:114 Resp: 201906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 43.2 |
| 88 | 15.7 | 0.0 | 33.6 |



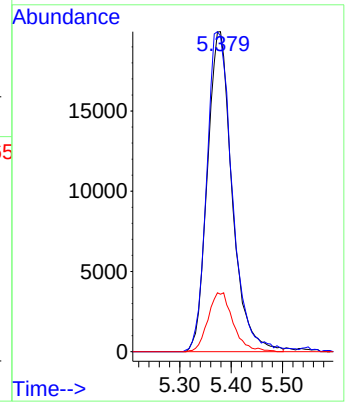


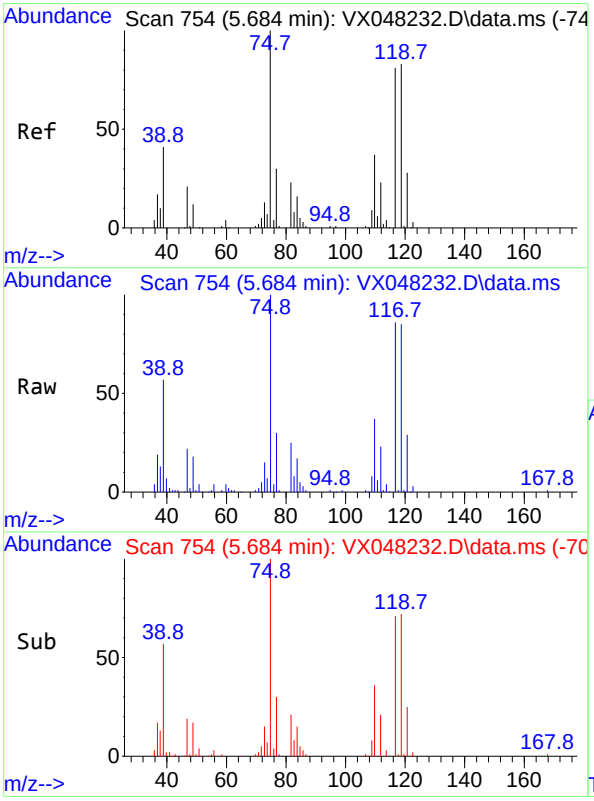

#35
Dibromofluoromethane
Concen: 48.312 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:113 Resp: 66593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.6 | 82.2 | 123.4 |
| 192 | 18.7 | 15.1 | 22.7 |

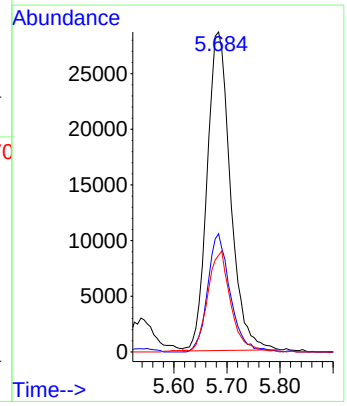


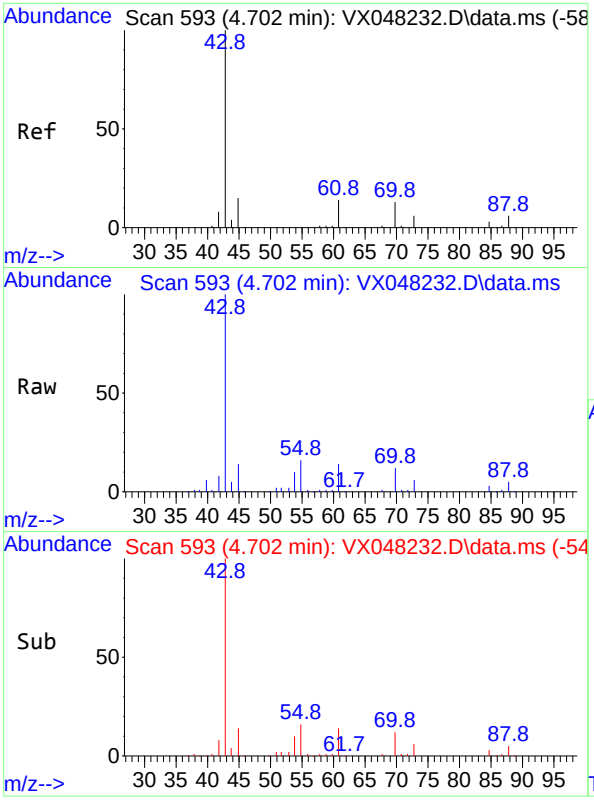




#36
1,1-Dichloropropene
Concen: 44.659 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 87493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.9 | 17.7 | 53.1 |
| 77 | 31.7 | 24.3 | 36.5 |



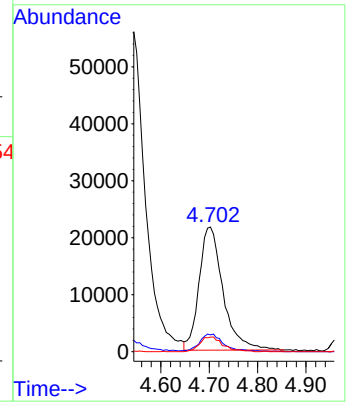


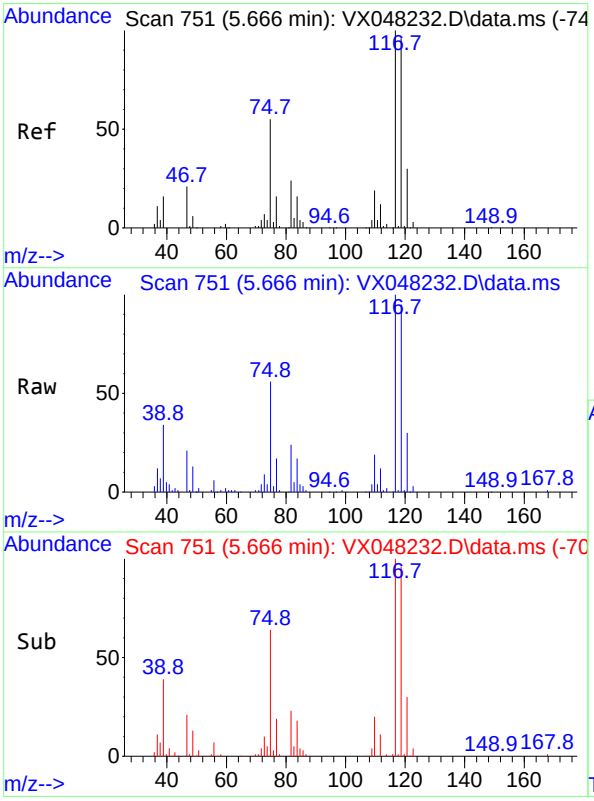

#37
Ethyl Acetate
Concen: 45.730 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 74261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.0 | 10.6 | 15.8 |
| 70 | 11.6 | 7.8 | 11.6 |

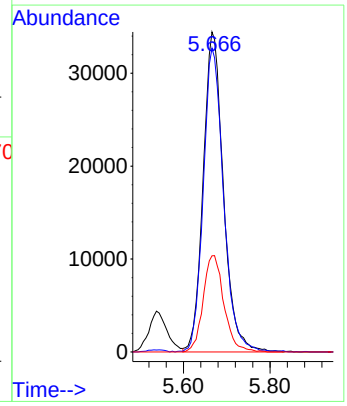


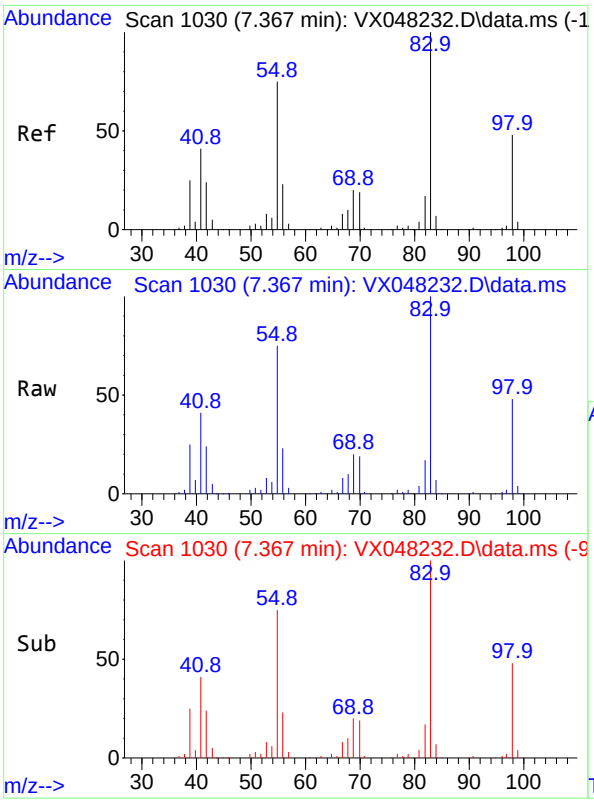




#38
Carbon Tetrachloride
Concen: 46.216 ug/l
RT: 5.666 min Scan# 751
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:117 Resp: 111708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 77.2 | 115.8 |
| 121 | 30.1 | 24.8 | 37.2 |



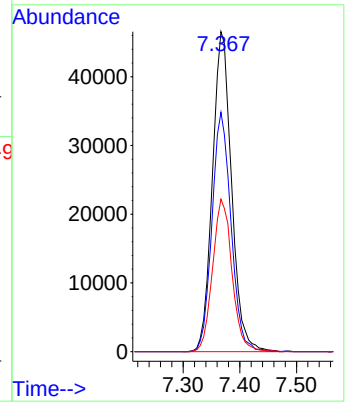


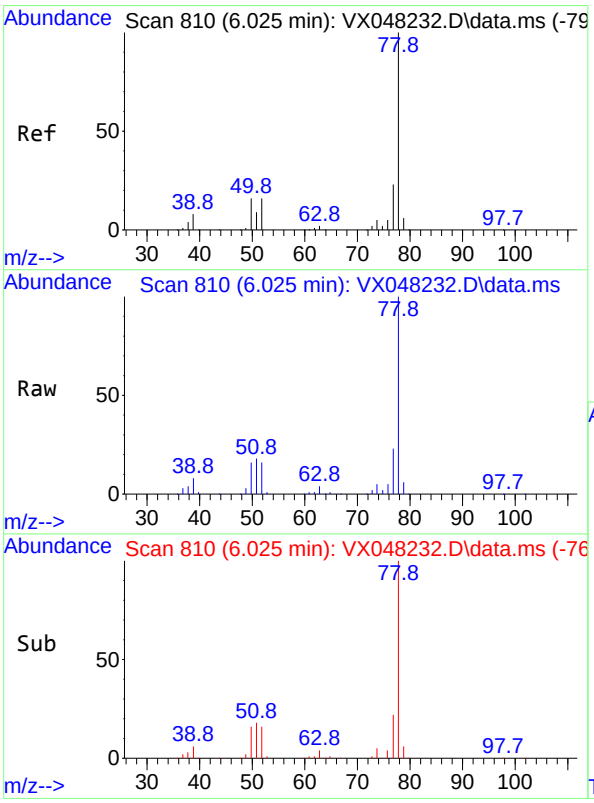

#39
Methylcyclohexane
Concen: 47.143 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 109077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.8 | 66.2 | 99.2 |
| 98 | 47.6 | 38.9 | 58.3 |

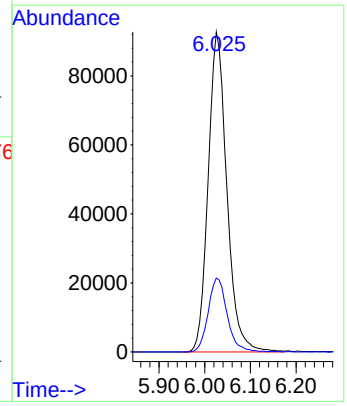


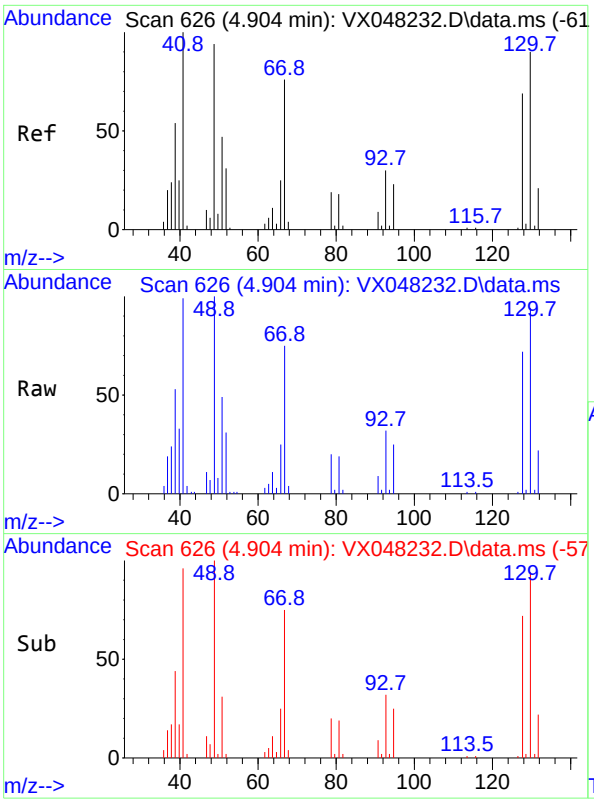




#40
Benzene
Concen: 46.192 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 78 Resp: 262745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.1 | 19.3 | 28.9 |



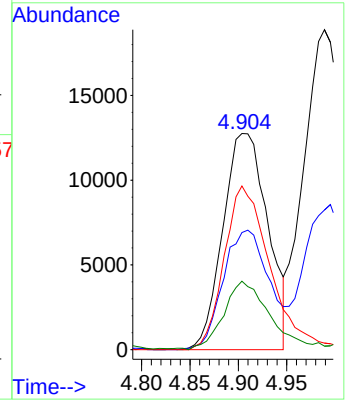


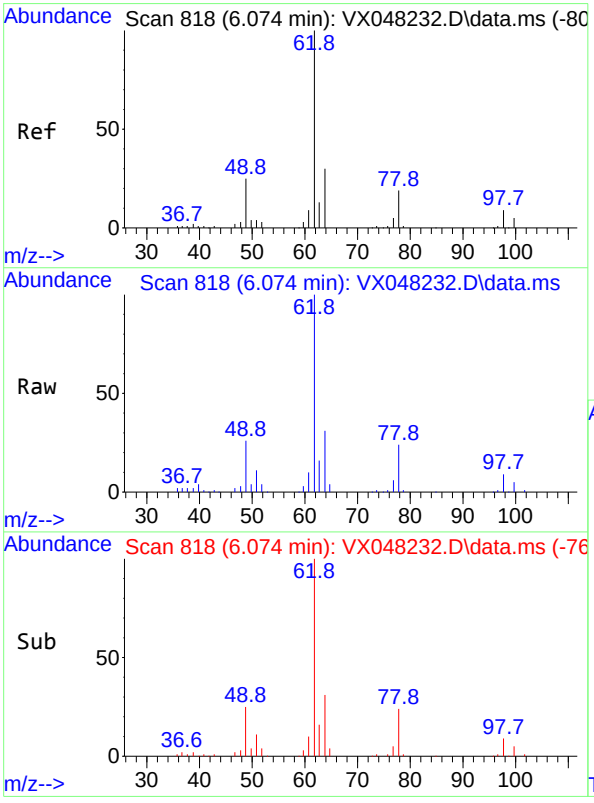

#41
Methacrylonitrile
Concen: 48.421 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 41 Resp: 41293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.1 | 44.0 | 66.0 |
| 67 | 78.6 | 58.7 | 88.1 |
| 52 | 32.8 | 25.9 | 38.9 |

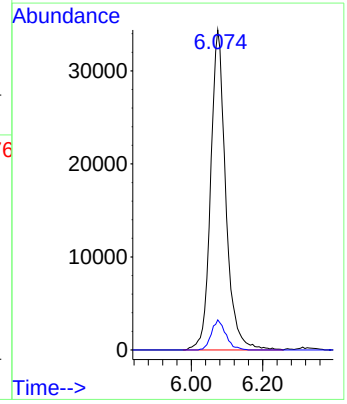


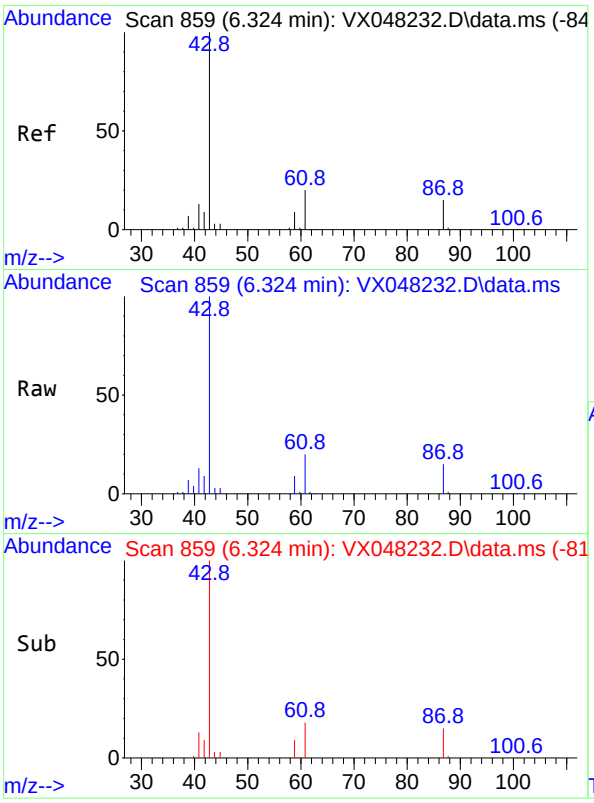




#42
1,2-Dichloroethane
Concen: 48.090 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 62 Resp: 100937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.2 |



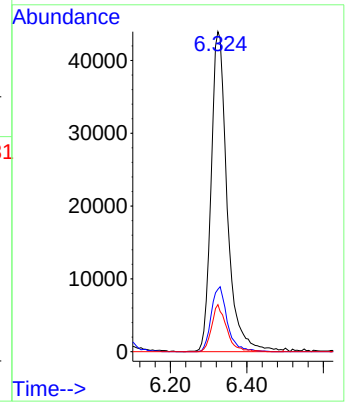


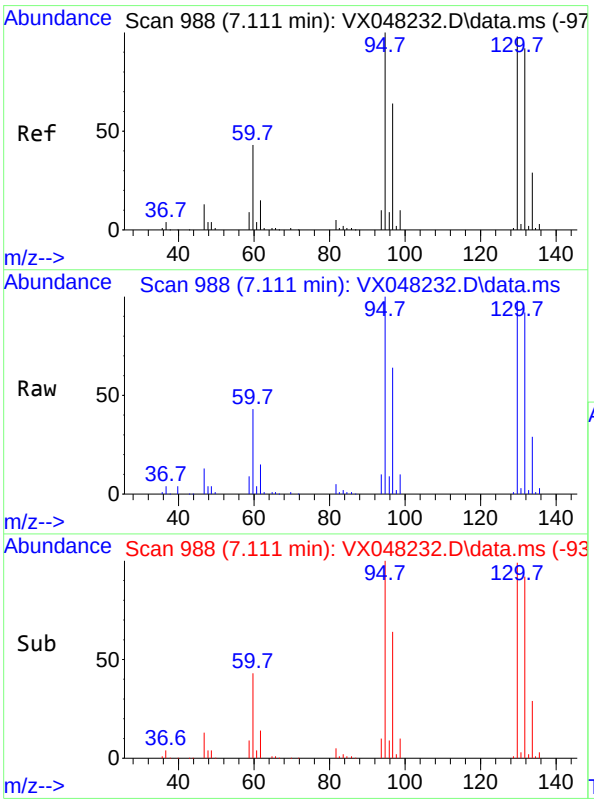

#43
Isopropyl Acetate
Concen: 48.095 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 128290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.3 | 14.9 | 22.3 |
| 87 | 13.7 | 9.4 | 14.2 |

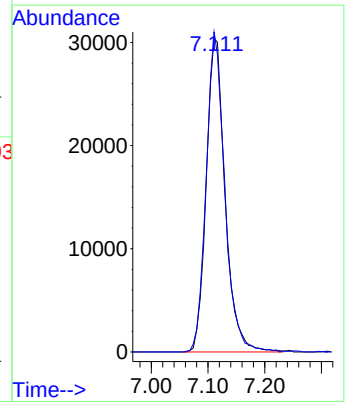


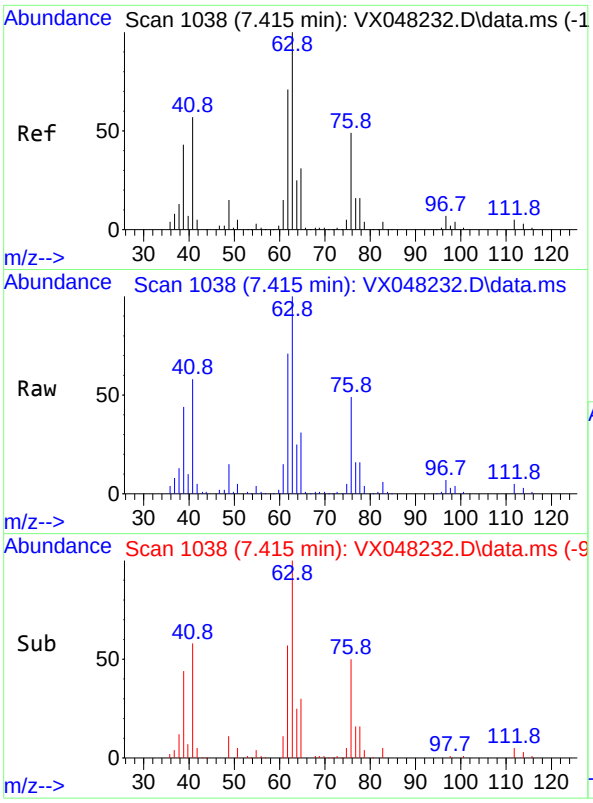




#44
Trichloroethene
Concen: 46.815 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:130 Resp: 70313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.9 | 0.0 | 200.6 |



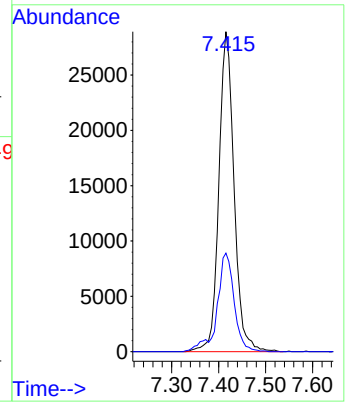


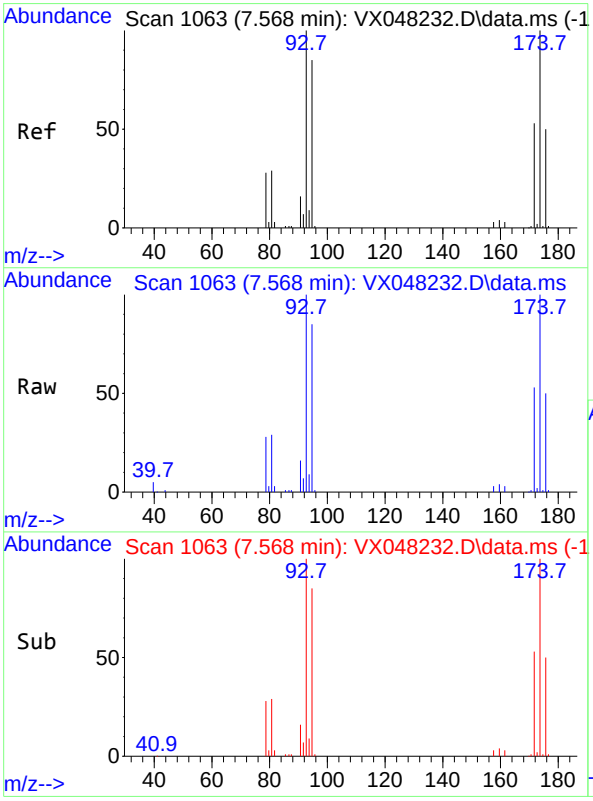

#45
1,2-Dichloropropane
Concen: 47.986 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 63 Resp: 64895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 24.1 | 36.1 |

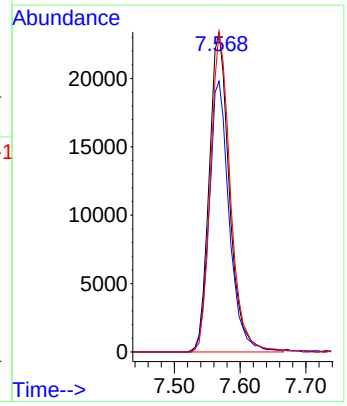


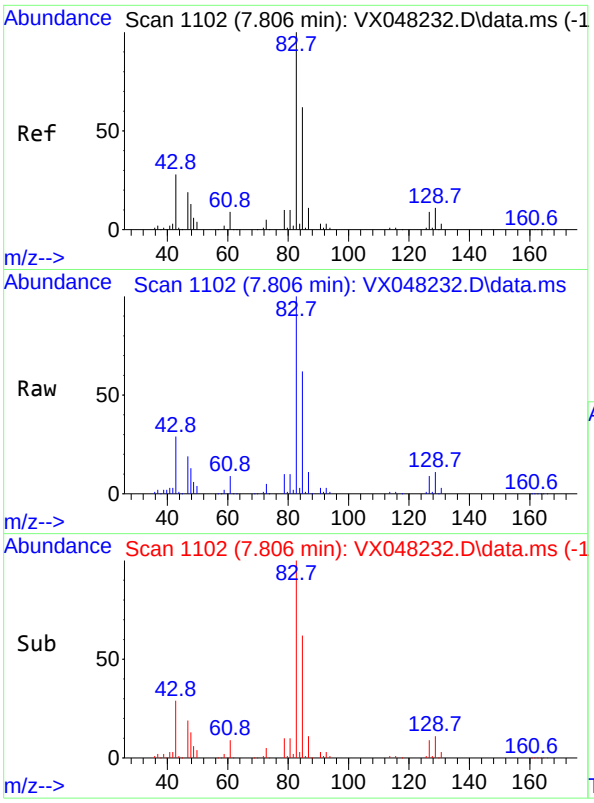




#46
Dibromomethane
Concen: 47.337 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 93 Resp: 49874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.1 | 65.9 | 98.9 |
| 174 | 98.7 | 71.7 | 107.5 |



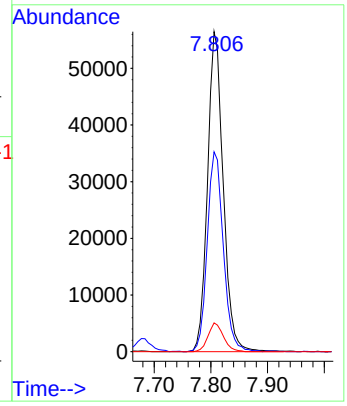


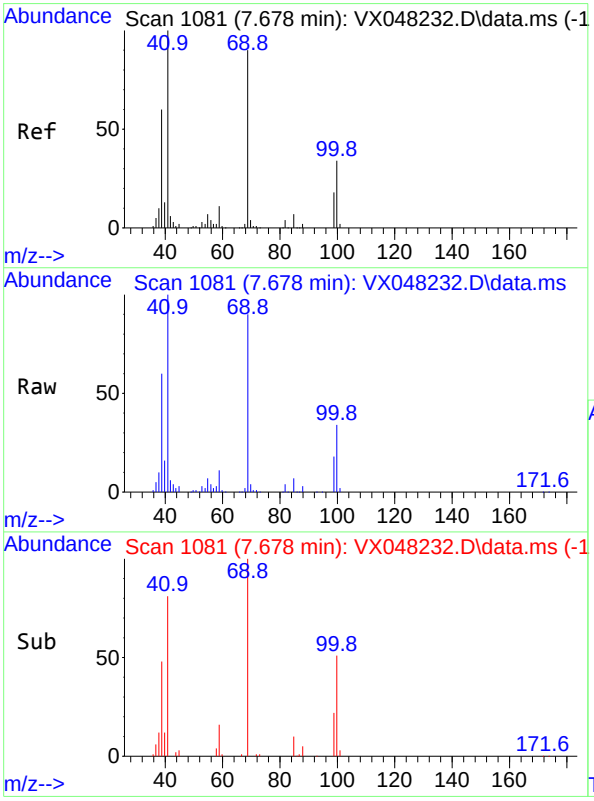

#47
Bromodichloromethane
Concen: 47.770 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 108671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.4 | 52.2 | 78.4 |
| 127 | 9.0 | 7.3 | 10.9 |

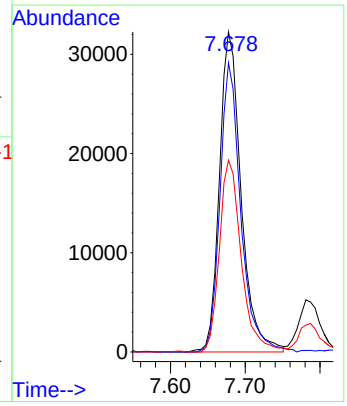


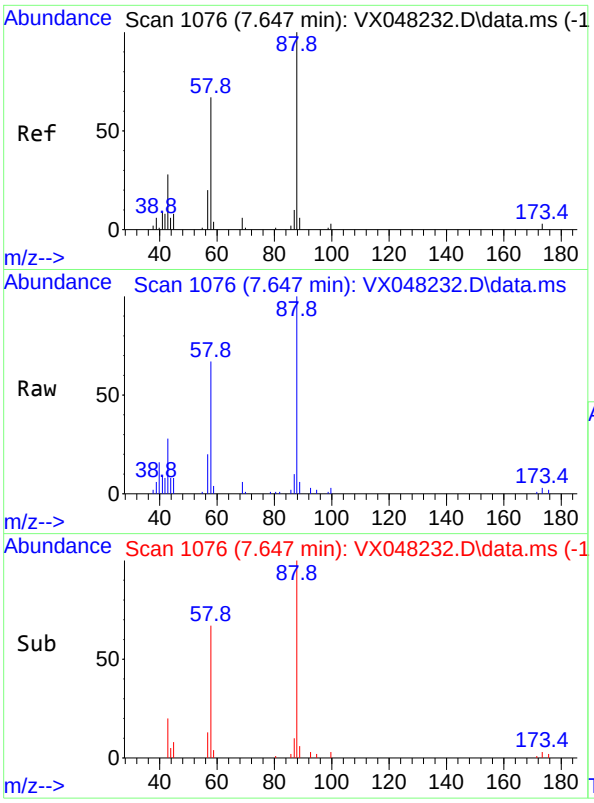




#48
Methyl methacrylate
Concen: 48.334 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 41 Resp: 65057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.8 | 63.4 | 95.0 |
| 39 | 60.5 | 47.1 | 70.7 |



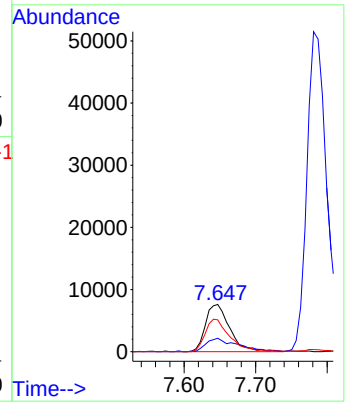


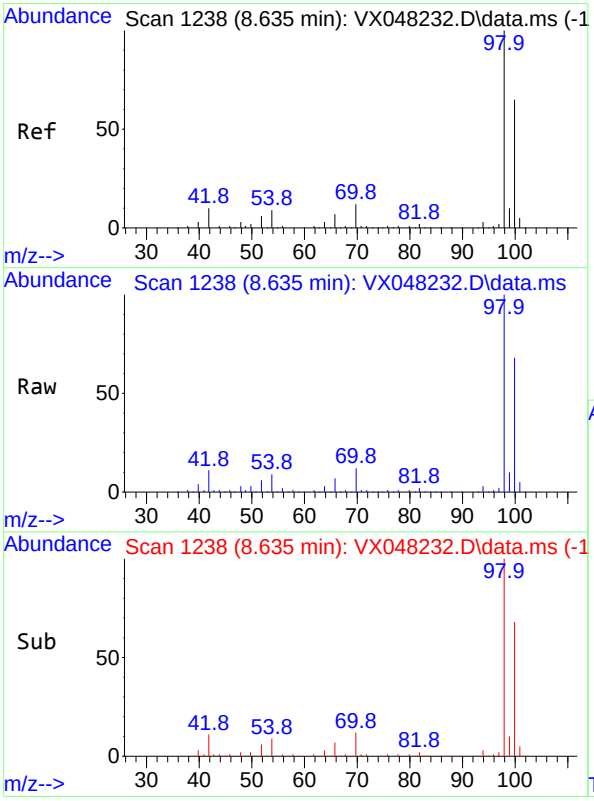

#49
1,4-Dioxane
Concen: 1006.888 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 88 Resp: 17905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.1 | 35.0 | 52.4 |
| 58 | 69.5 | 61.9 | 92.9 |

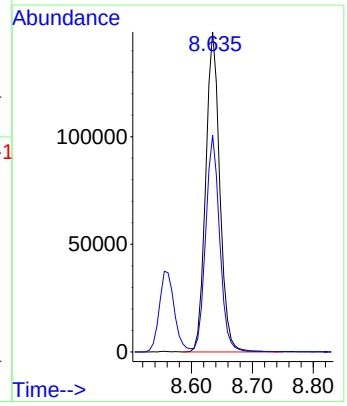


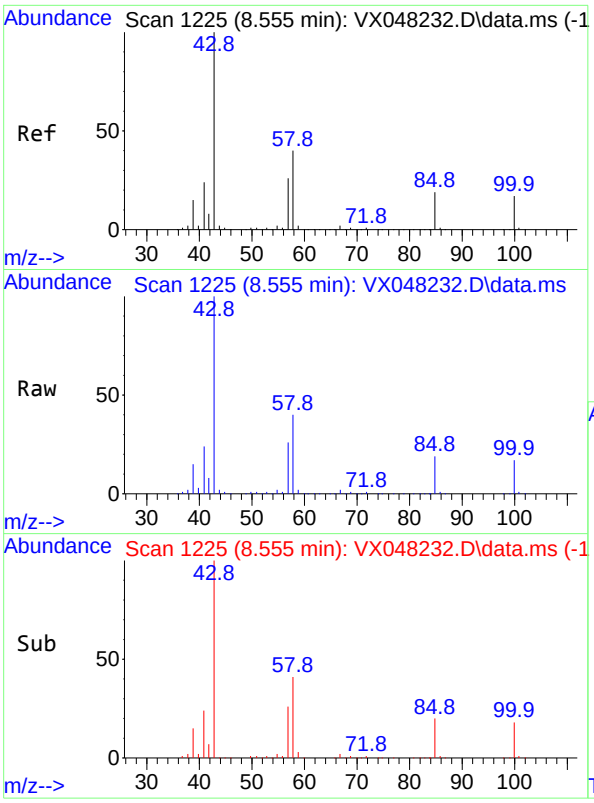




#50
Toluene-d8
Concen: 49.529 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 98 Resp: 239295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.2 | 53.0 | 79.4 |



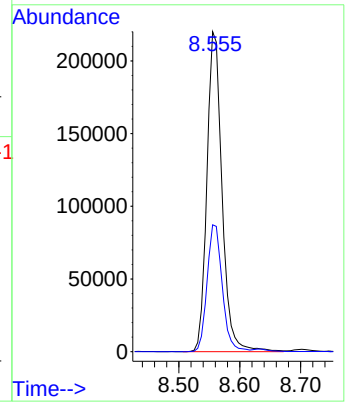


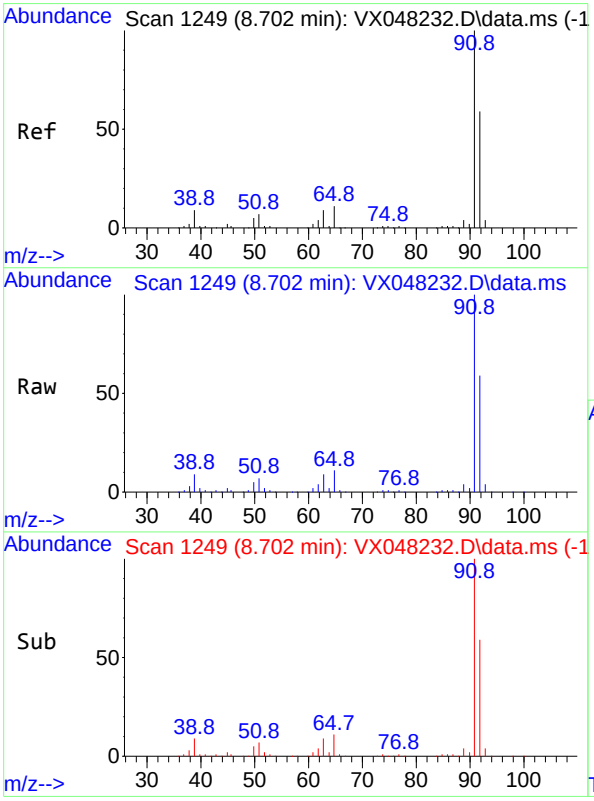

#51
4-Methyl-2-Pentanone
Concen: 247.515 ug/l
RT: 8.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 380665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.8 | 29.5 | 44.3 |

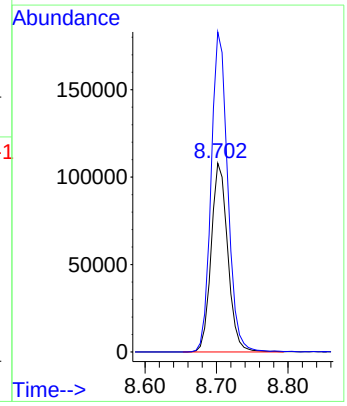


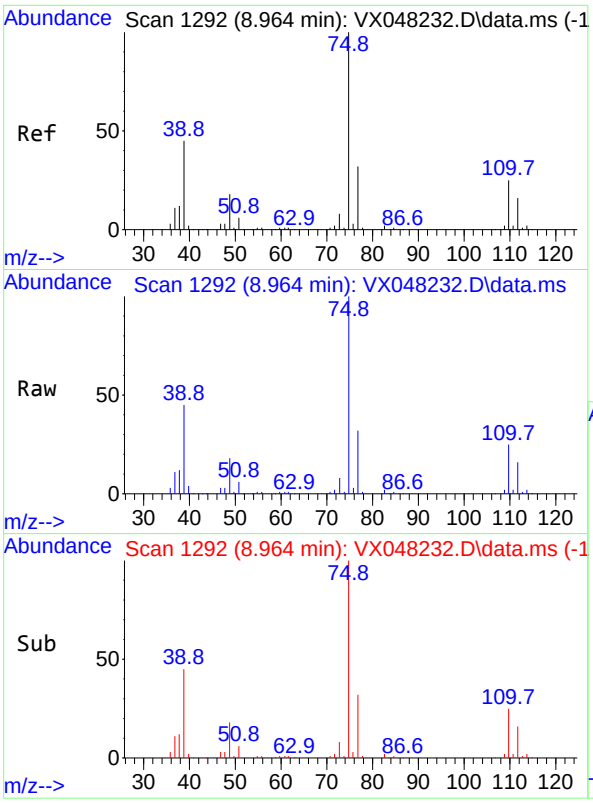




#52
Toluene
Concen: 48.136 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 92 Resp: 173942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.6 | 136.1 | 204.1 |



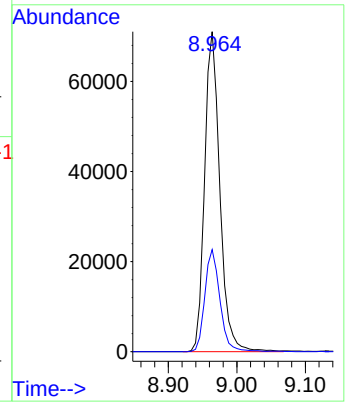


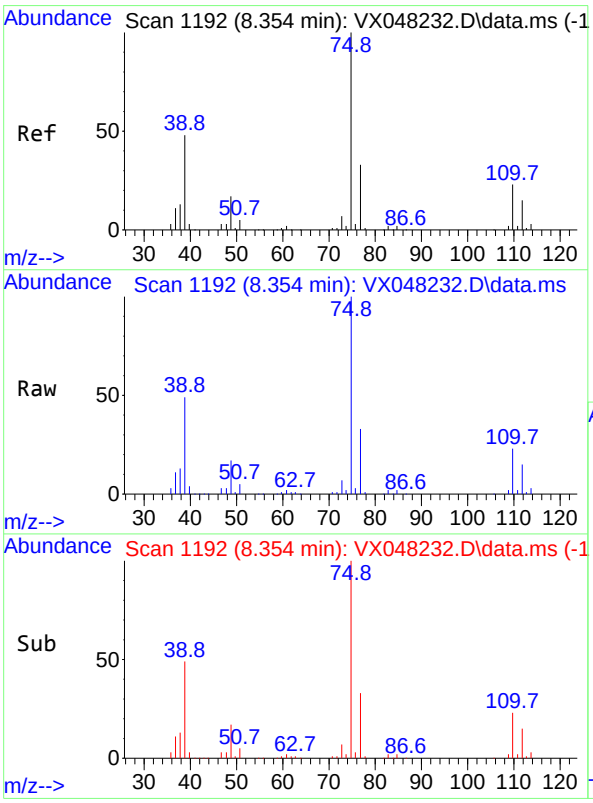

#53
t-1,3-Dichloropropene
Concen: 50.159 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 109960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.0 | 37.6 |

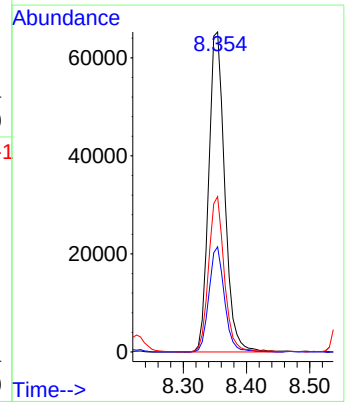


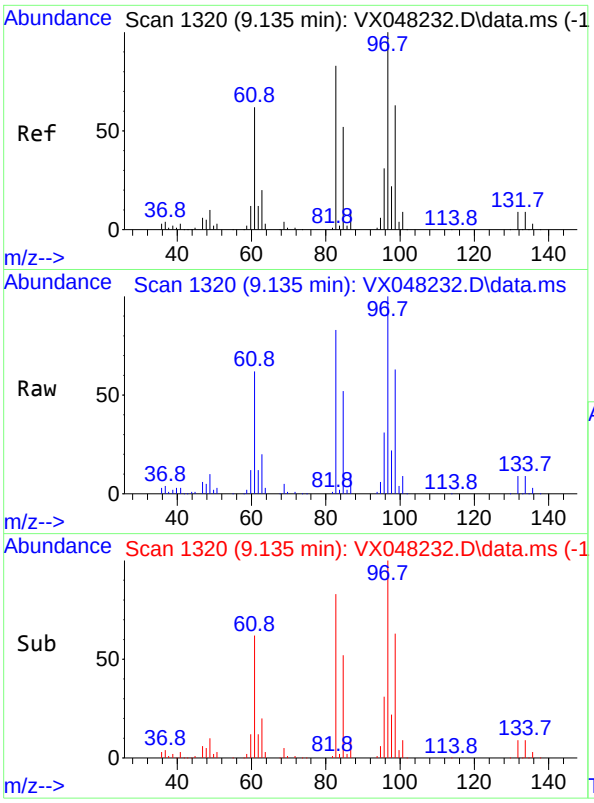




#54
cis-1,3-Dichloropropene
Concen: 48.847 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 115534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.8 | 24.9 | 37.3 |
| 39 | 46.7 | 42.6 | 64.0 |



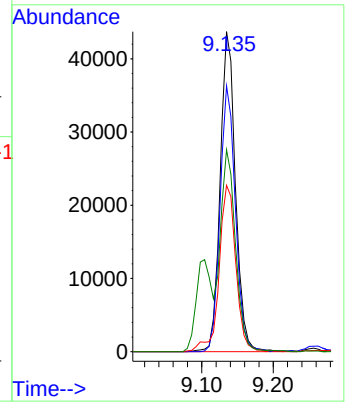


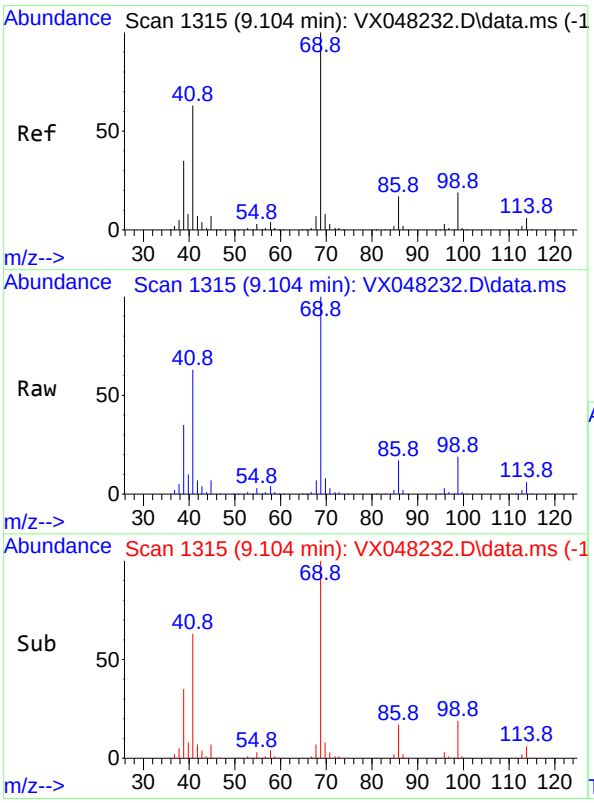

#55
1,1,2-Trichloroethane
Concen: 48.174 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 97 Resp: 64737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.0 | 70.6 | 105.8 |
| 85 | 52.0 | 45.0 | 67.6 |
| 99 | 63.1 | 50.9 | 76.3 |

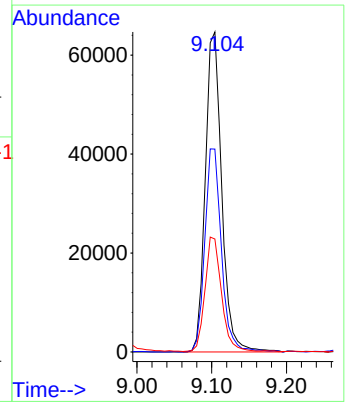


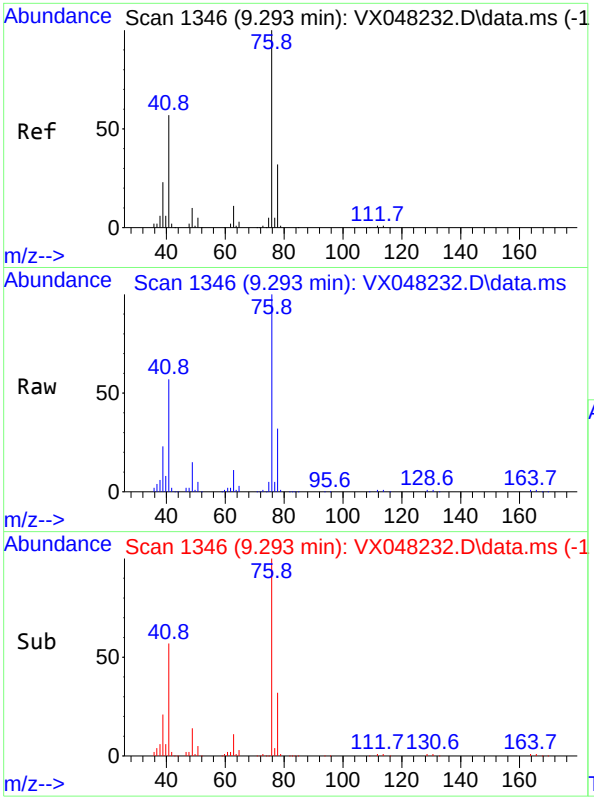




#56
Ethyl methacrylate
Concen: 50.292 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 69 Resp: 98851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.4 | 56.0 | 84.0 |
| 39 | 35.9 | 31.6 | 47.4 |



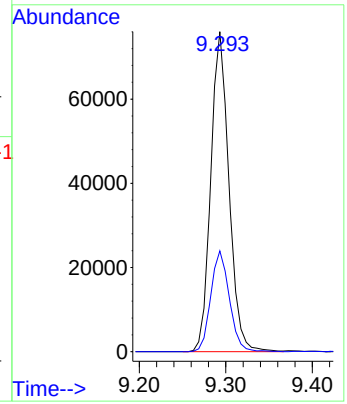


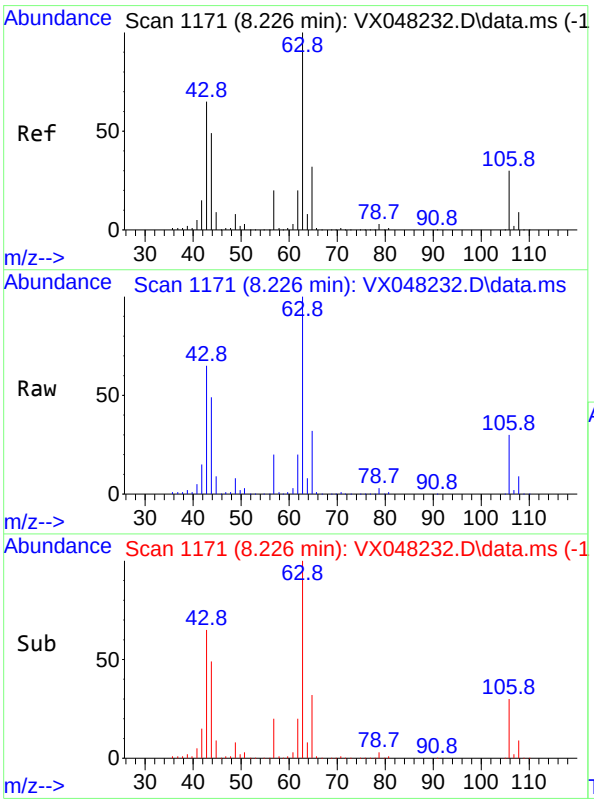

#57
1,3-Dichloropropane
Concen: 48.231 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 110709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 25.4 | 38.0 |

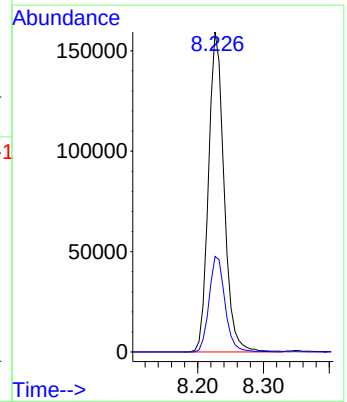


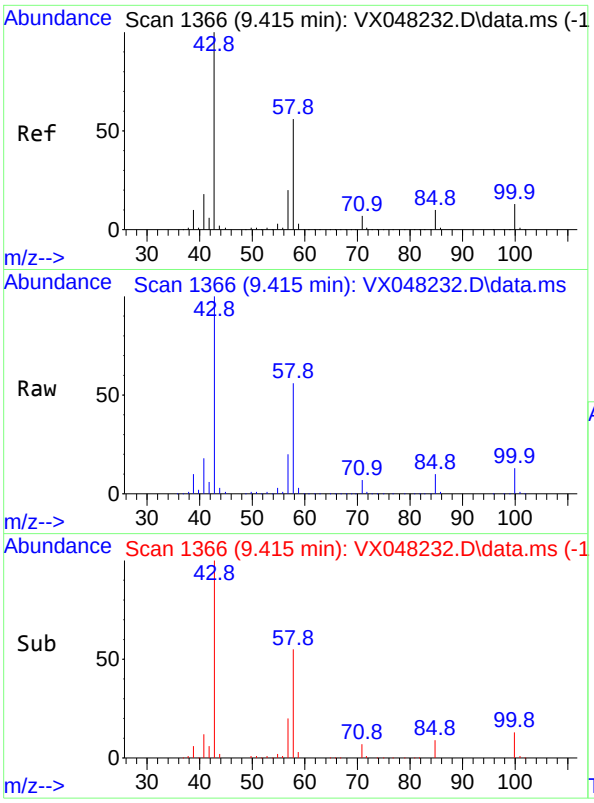




#58
2-Chloroethyl Vinyl ether
Concen: 248.279 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 63 Resp: 262387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.6 | 22.2 | 33.2 |



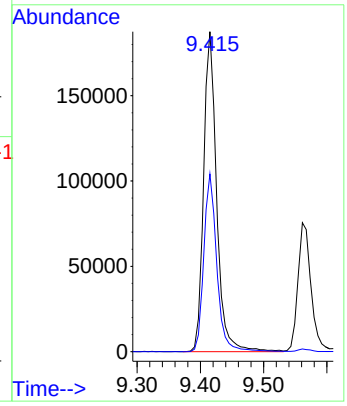


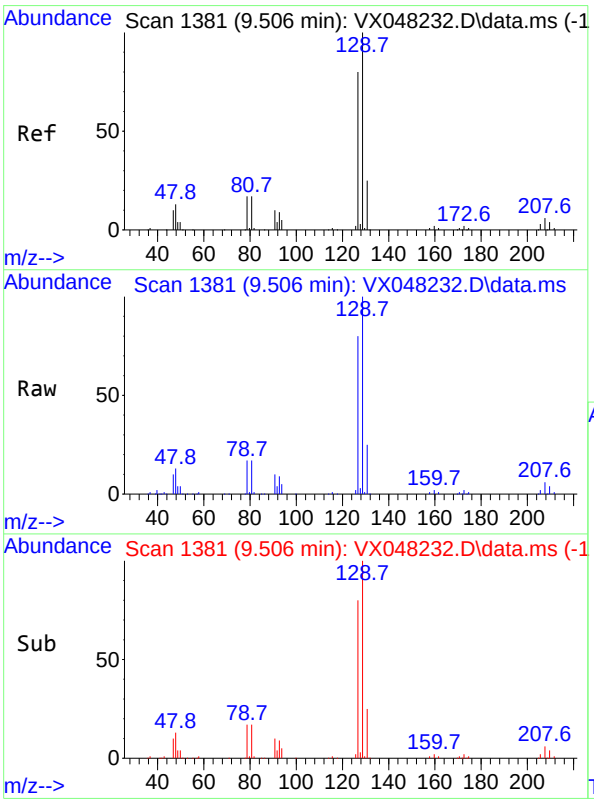

#59
2-Hexanone
Concen: 250.974 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 269143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.6 | 26.3 | 78.8 |

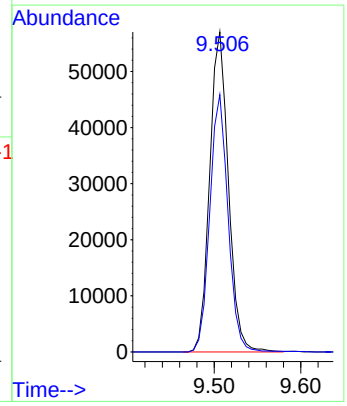


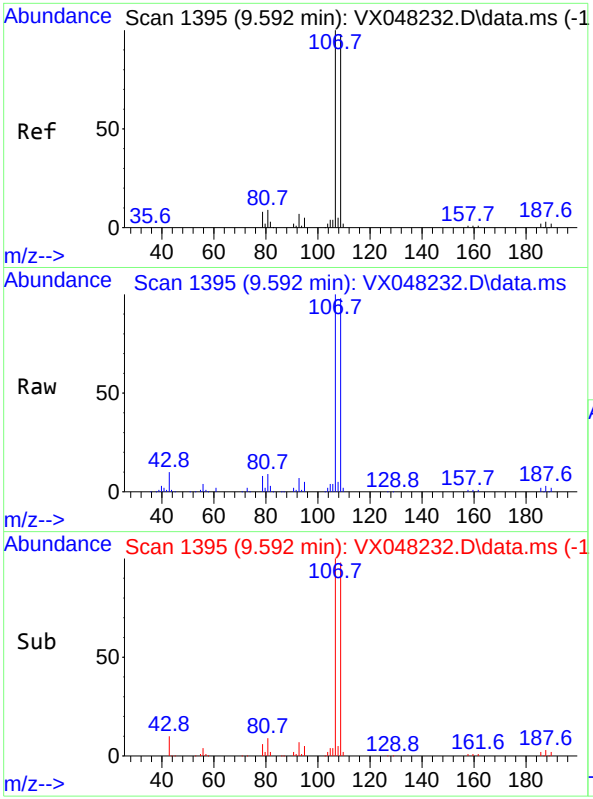




#60
Dibromochloromethane
Concen: 47.482 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:129 Resp: 85760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.4 | 38.6 | 115.7 |



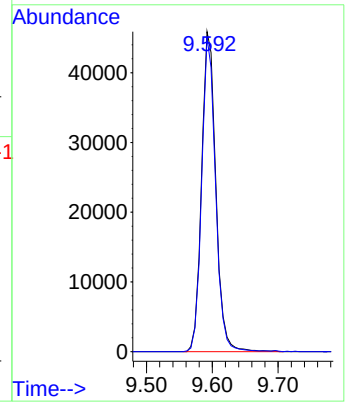


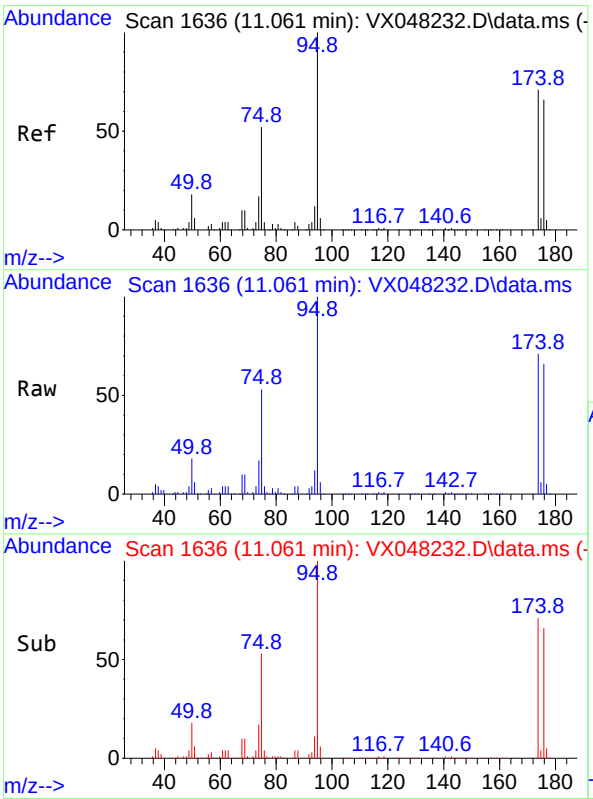

#61
1,2-Dibromoethane
Concen: 48.180 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:107 Resp: 69022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.5 | 77.0 | 115.4 |

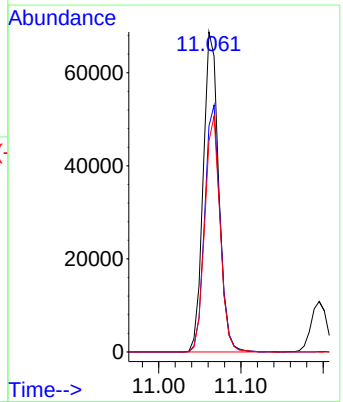


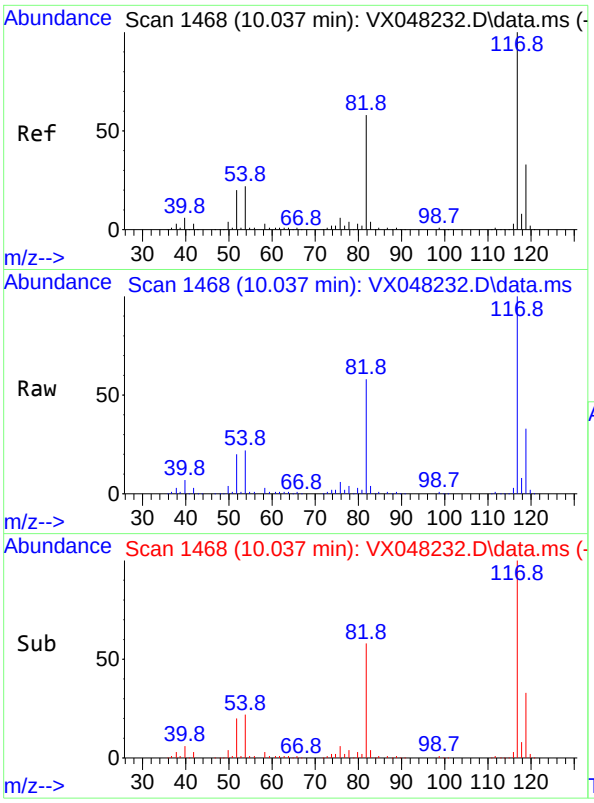




#62
4-Bromofluorobenzene
Concen: 48.737 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 95 Resp: 89579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.3 | 0.0 | 147.8 |
| 176 | 73.3 | 0.0 | 142.8 |



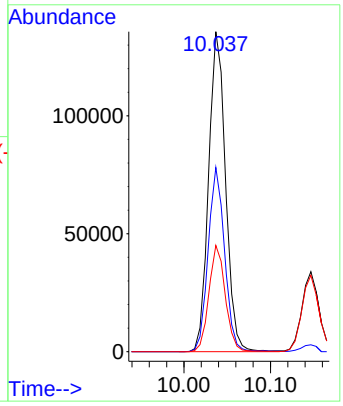


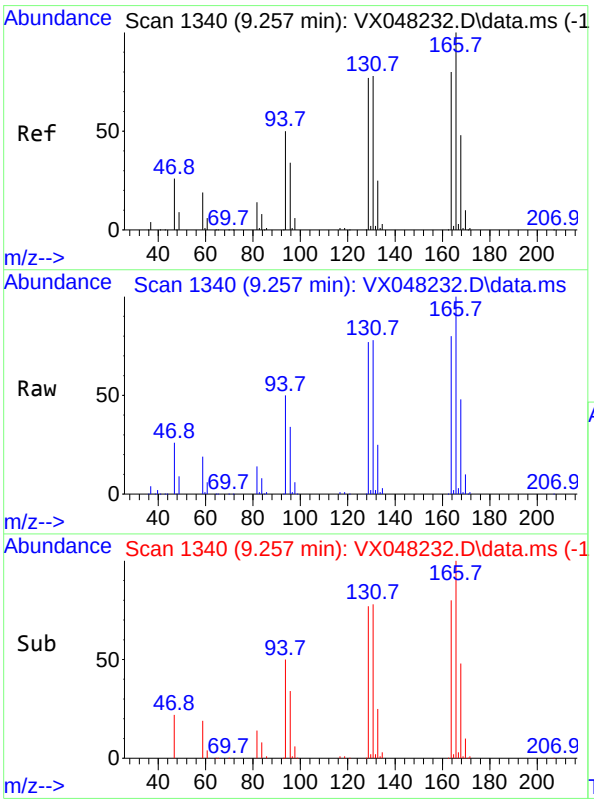

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:117 Resp: 184494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.6 | 46.5 | 69.7 |
| 119 | 33.2 | 25.9 | 38.9 |

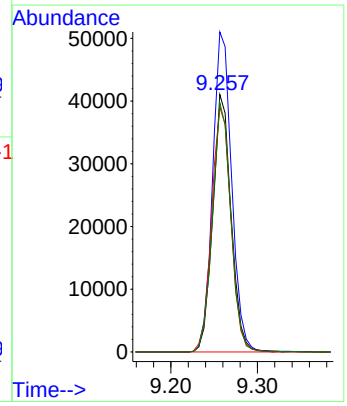


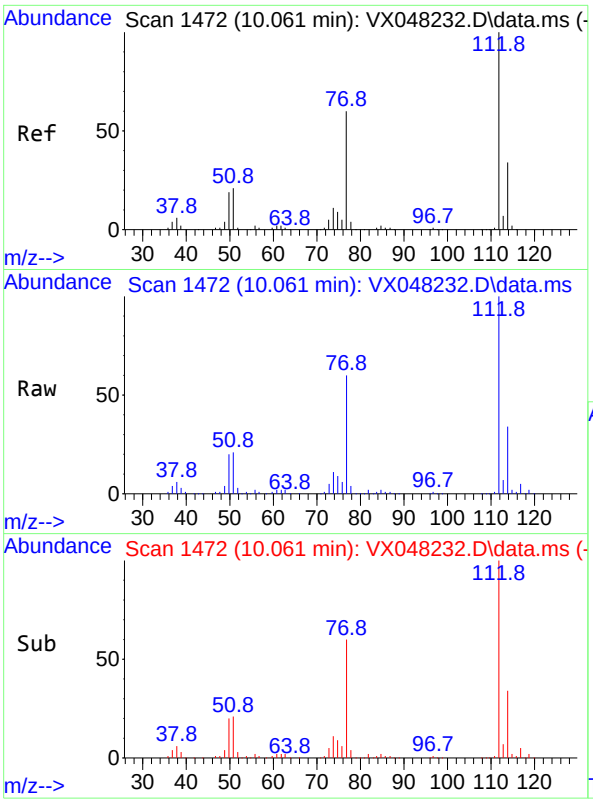




#64
Tetrachloroethene
Concen: 43.934 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:164 Resp: 60510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.3 | 104.5 | 156.7 |
| 129 | 95.1 | 81.8 | 122.6 |
| 131 | 96.8 | 77.0 | 115.6 |



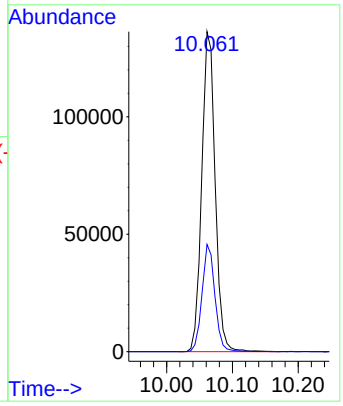


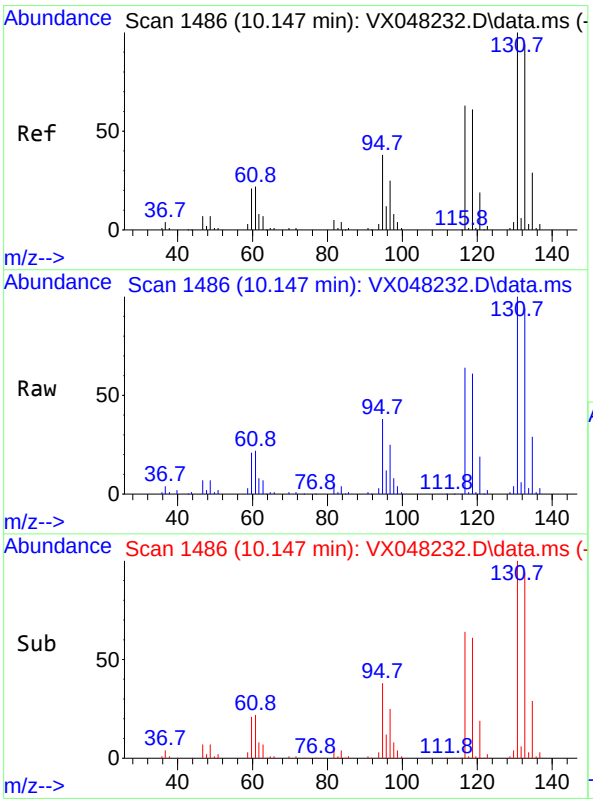

#65
Chlorobenzene
Concen: 46.465 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:112 Resp: 192841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.5 | 26.2 | 39.2 |

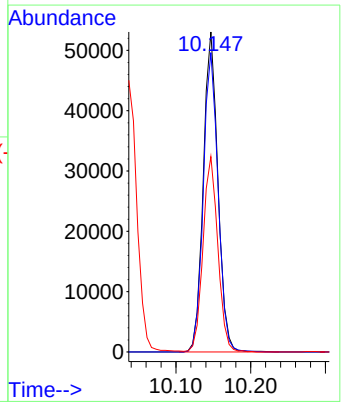


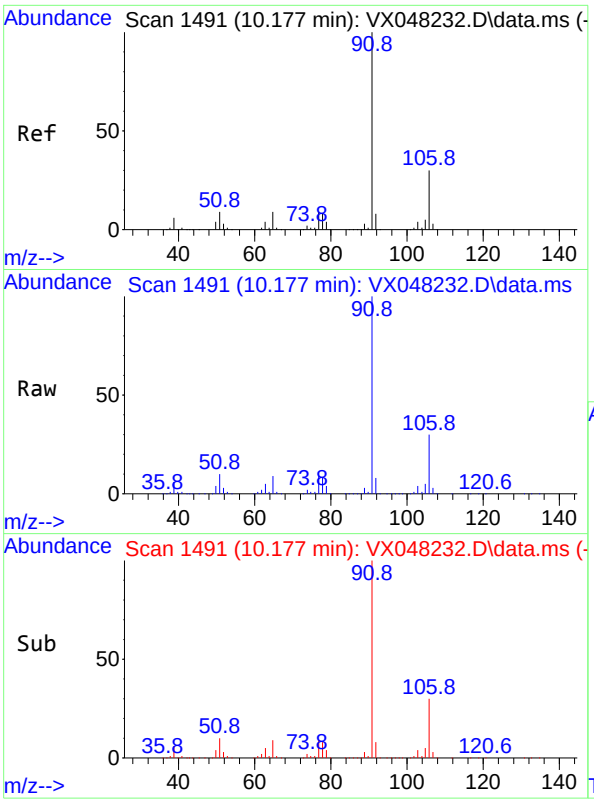




#66
1,1,1,2-Tetrachloroethane
Concen: 47.187 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:131 Resp: 71930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.7 | 47.6 | 142.8 |
| 119 | 62.0 | 32.5 | 97.5 |



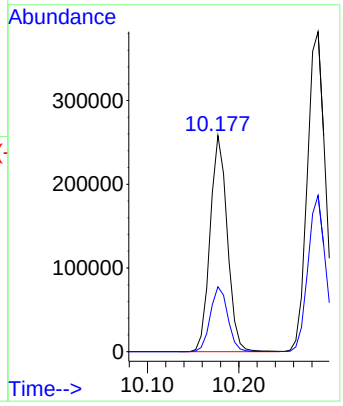


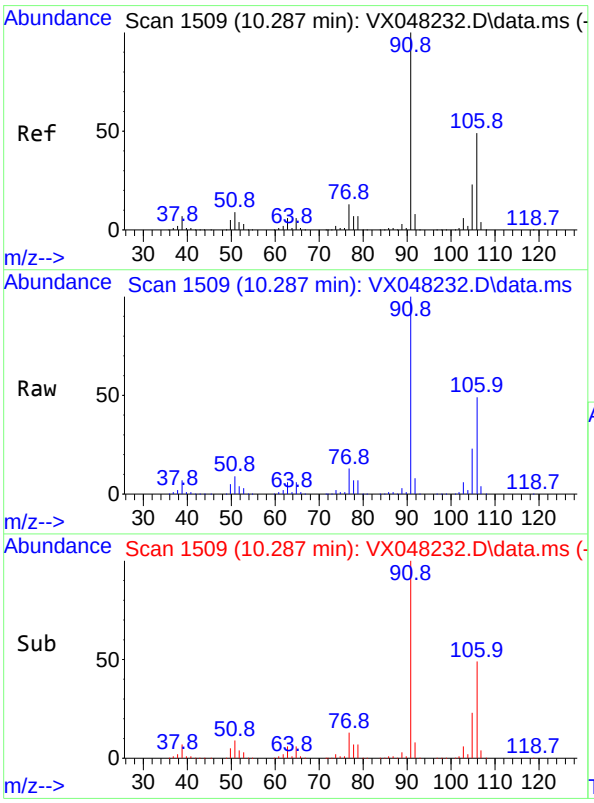

#67
Ethyl Benzene
Concen: 47.645 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 336660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.1 | 23.8 | 35.6 |

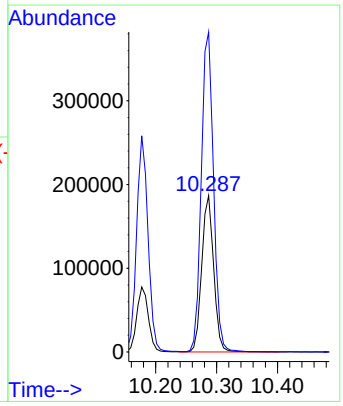


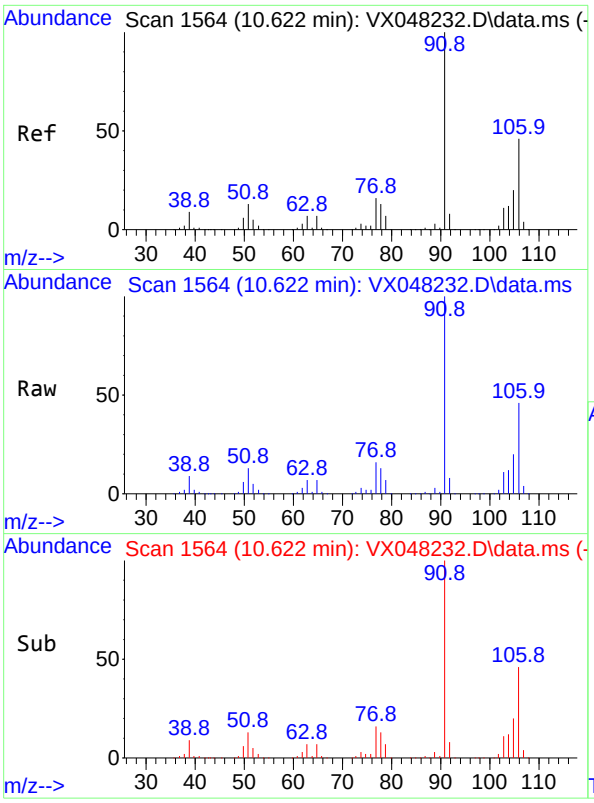




#68
m/p-Xylenes
Concen: 96.619 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:106 Resp: 253662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.1 | 167.9 | 251.9 |



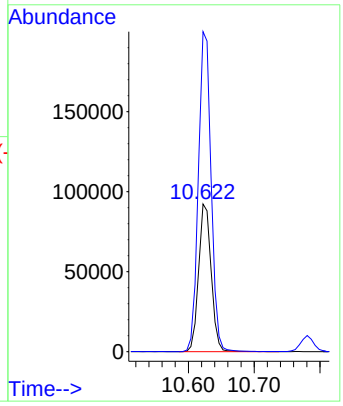


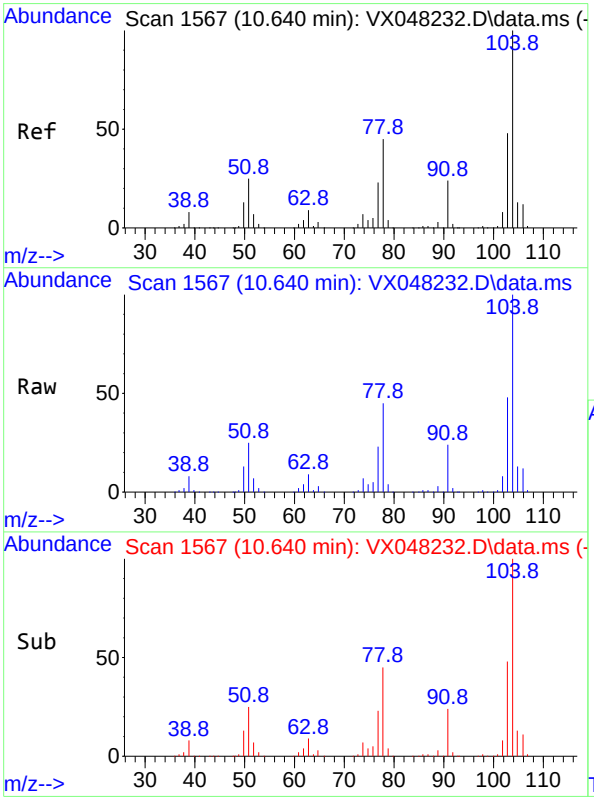

#69
o-Xylene
Concen: 48.363 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:106 Resp: 122582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.2 | 111.3 | 333.9 |

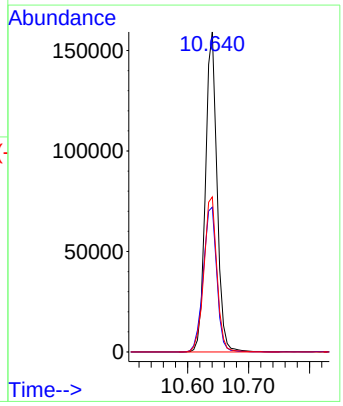


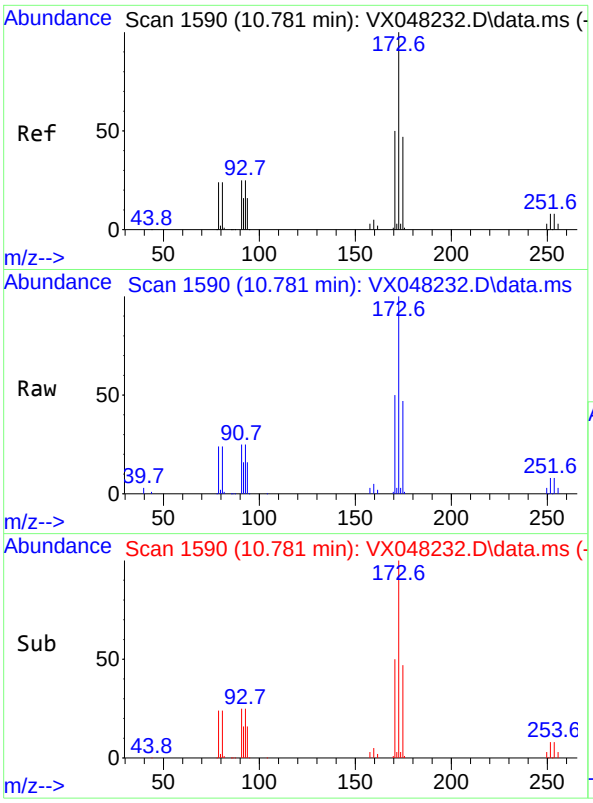




#70
Styrene
Concen: 48.857 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:104 Resp: 210861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.8 | 42.2 | 63.4 |
| 103 | 54.4 | 43.0 | 64.4 |



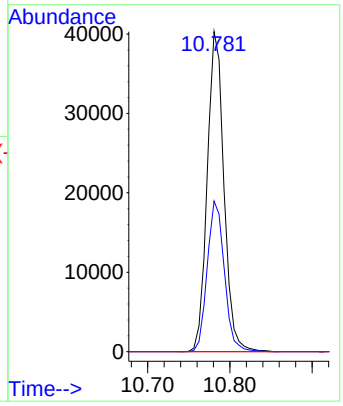


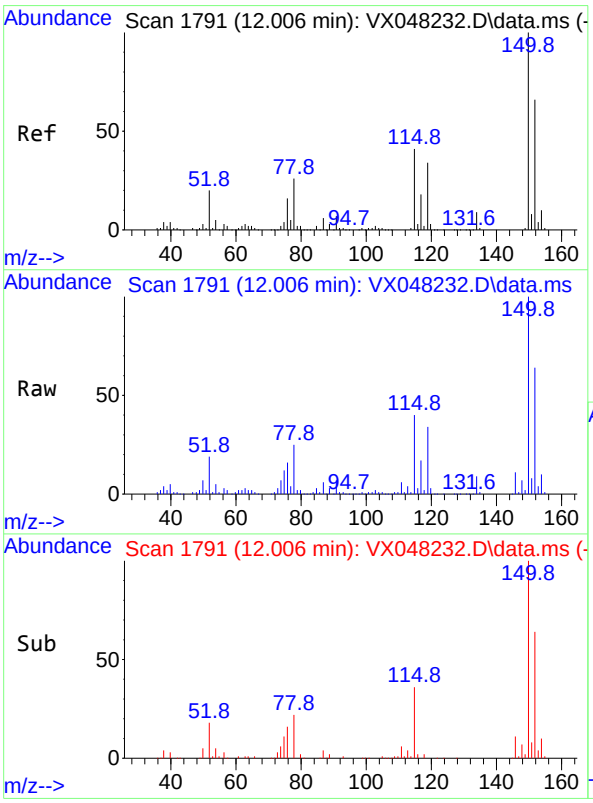

#71
Bromoform
Concen: 46.682 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:173 Resp: 56874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.2 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |

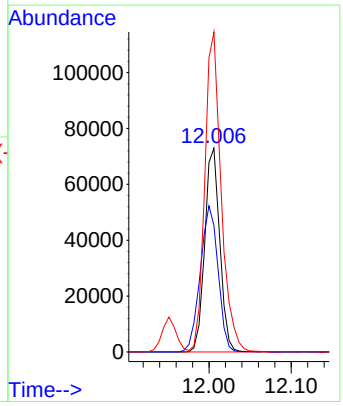


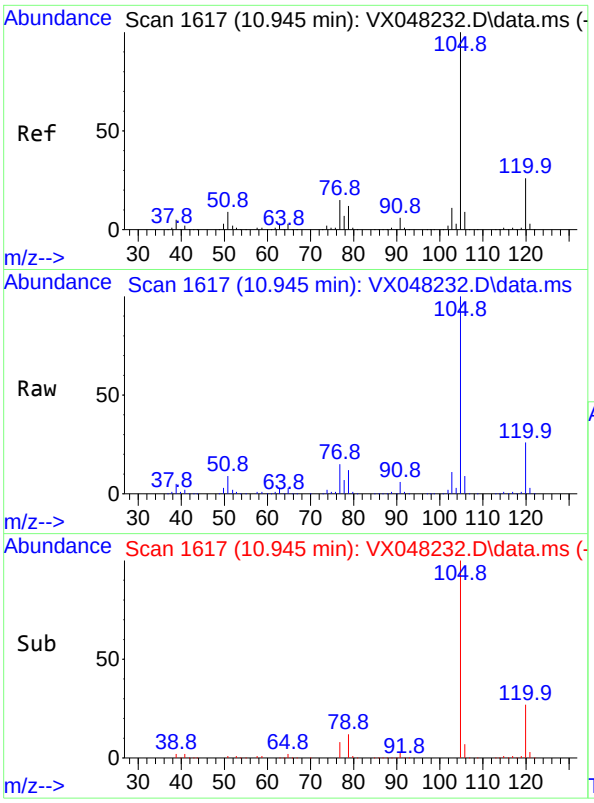




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:152 Resp: 92693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.9 | 43.1 | 129.4 |
| 150 | 171.1 | 0.0 | 353.0 |



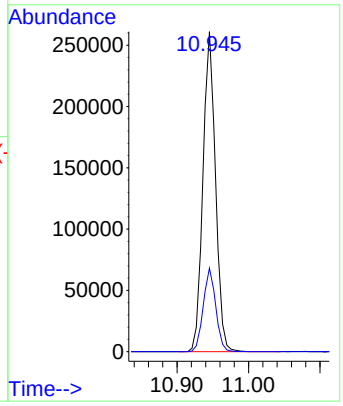


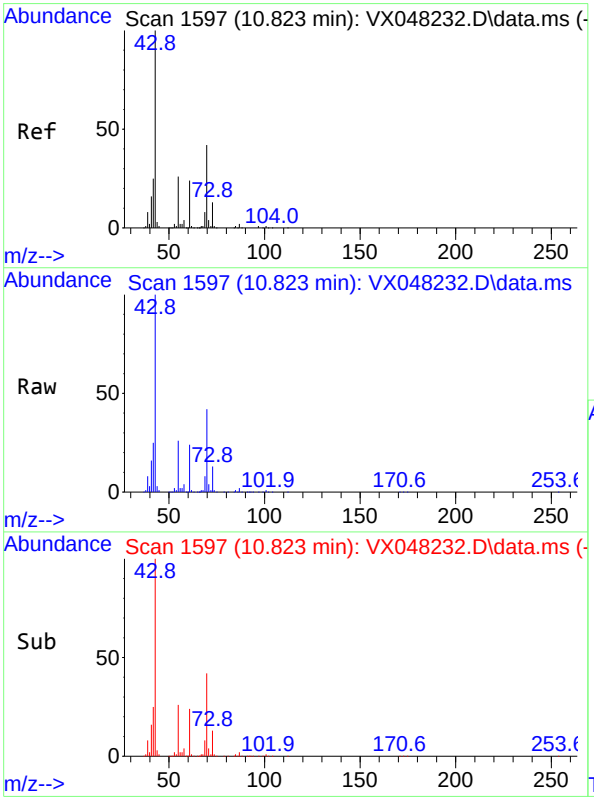

#73
Isopropylbenzene
Concen: 46.966 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 317974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 38.9 |

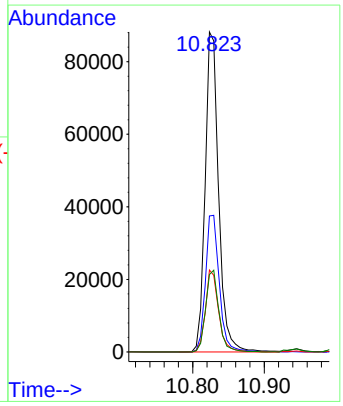


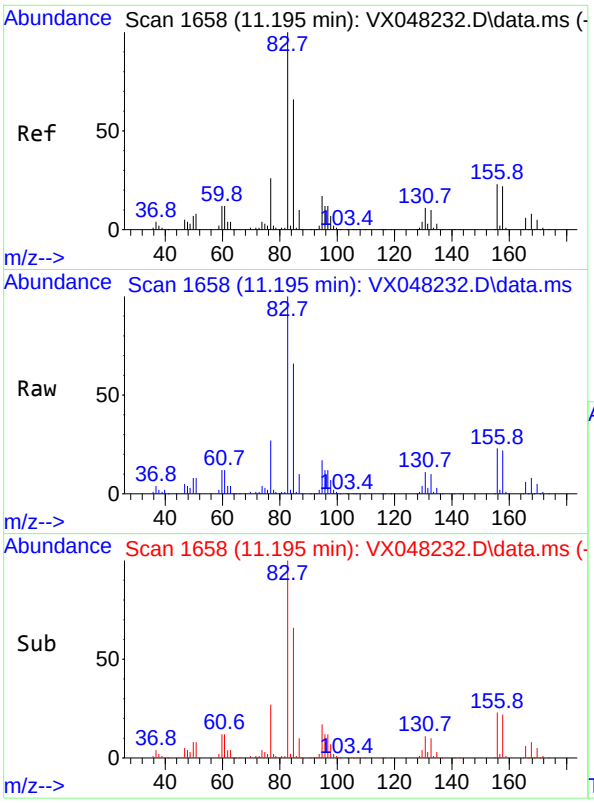




#74
N-amyl acetate
Concen: 48.171 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 115683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 43.8 | 32.2 | 48.2 |
| 55 | 25.1 | 19.1 | 28.7 |
| 61 | 25.1 | 18.6 | 28.0 |



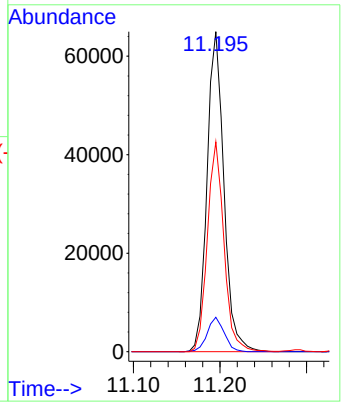


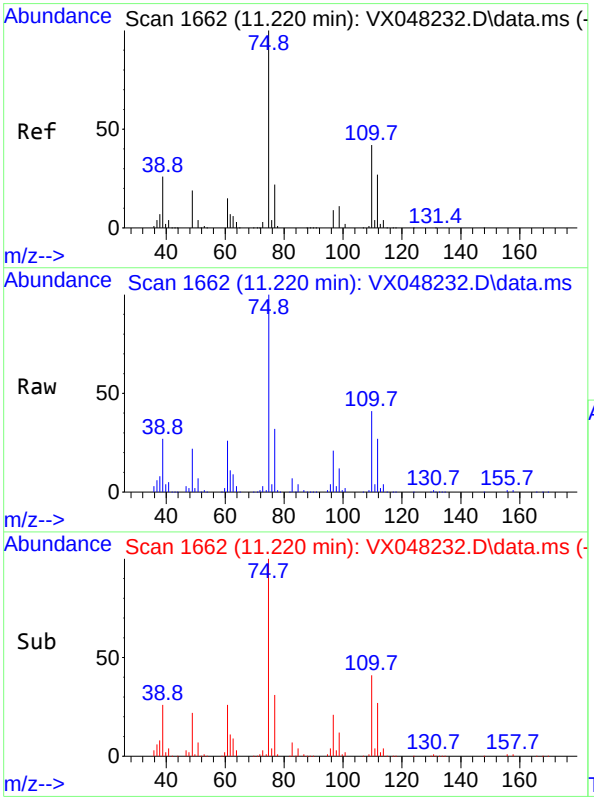

#75
1,1,2,2-Tetrachloroethane
Concen: 47.437 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 87705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 4.8 | 14.4 |
| 85 | 64.5 | 31.9 | 95.7 |

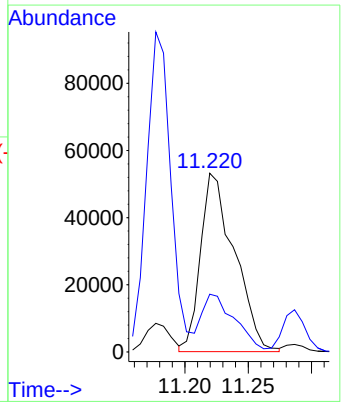


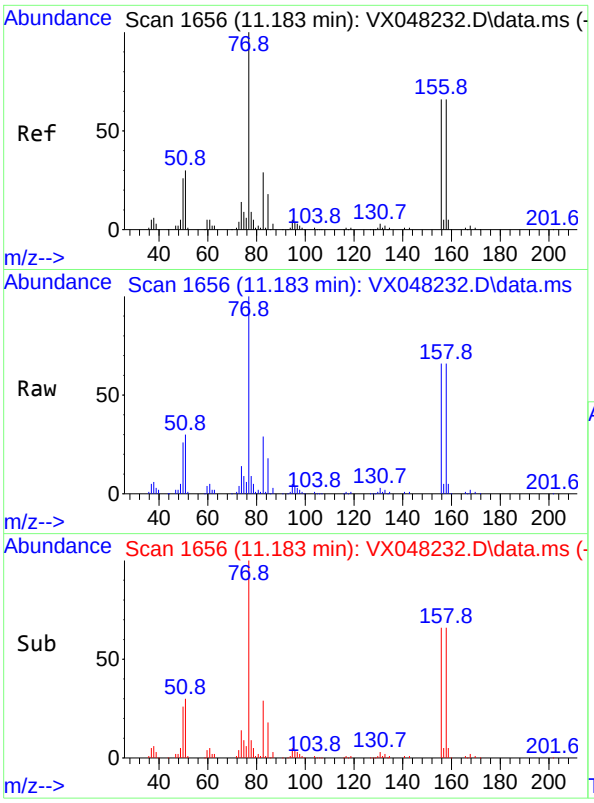




#76
1,2,3-Trichloropropane
Concen: 66.118 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 99387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 22.4 | 67.2 |



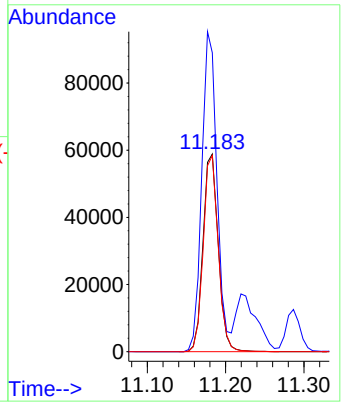


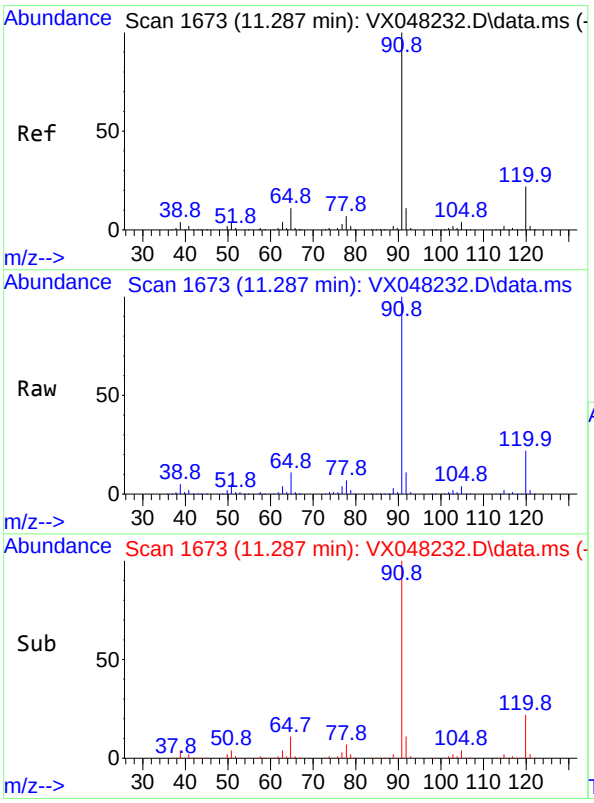

#77
Bromobenzene
Concen: 46.856 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:156 Resp: 79543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 161.6 | 87.0 | 261.0 |
| 158 | 97.3 | 47.8 | 143.4 |

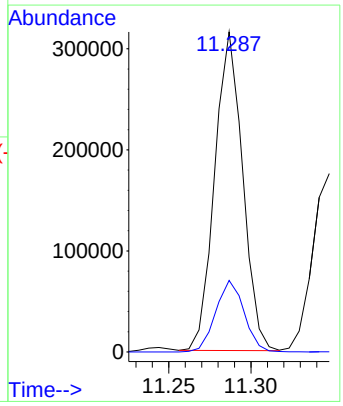


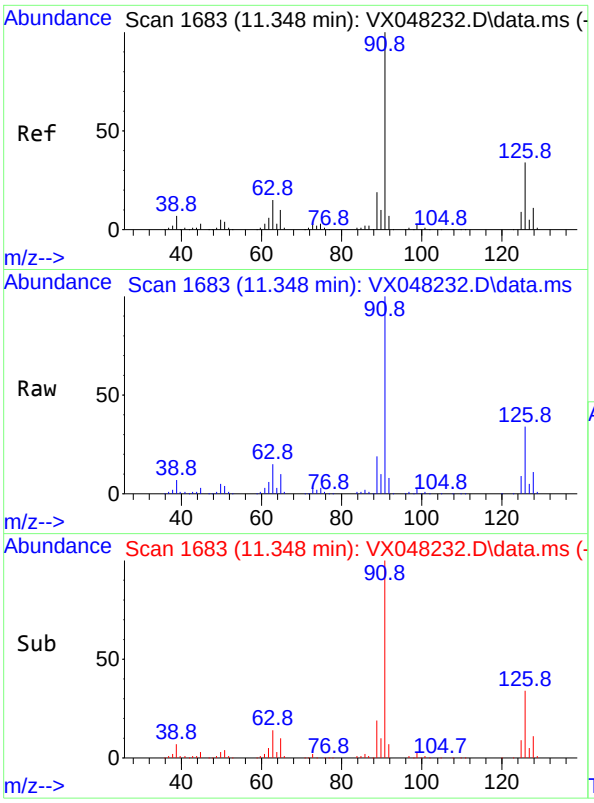




#78
n-propylbenzene
Concen: 47.496 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 91 Resp: 372312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.1 | 33.1 |



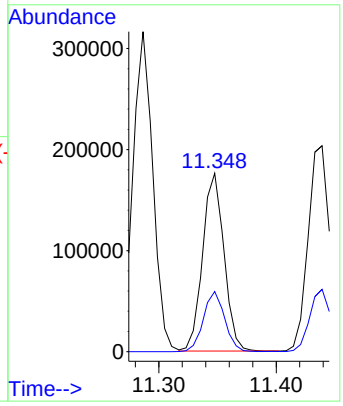


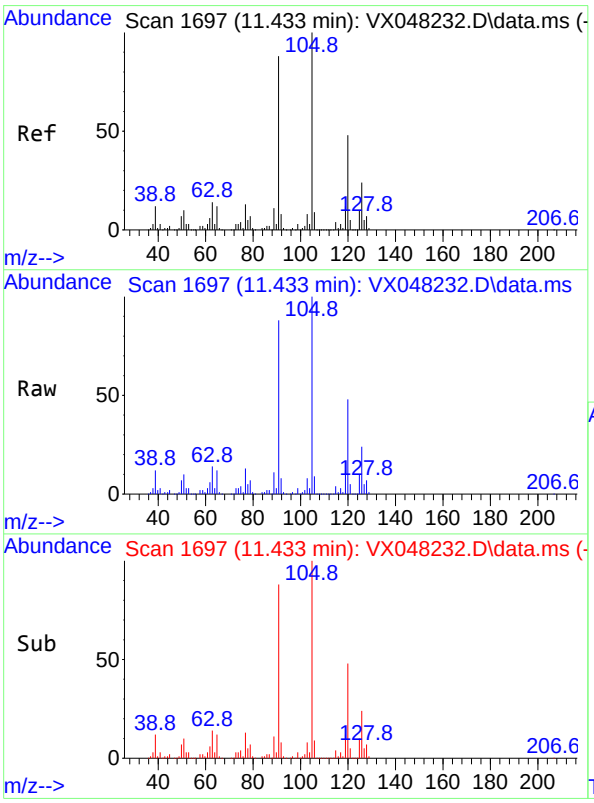

#79
2-Chlorotoluene
Concen: 46.757 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 222217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 16.4 | 49.4 |

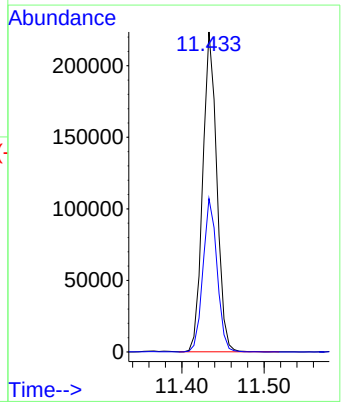


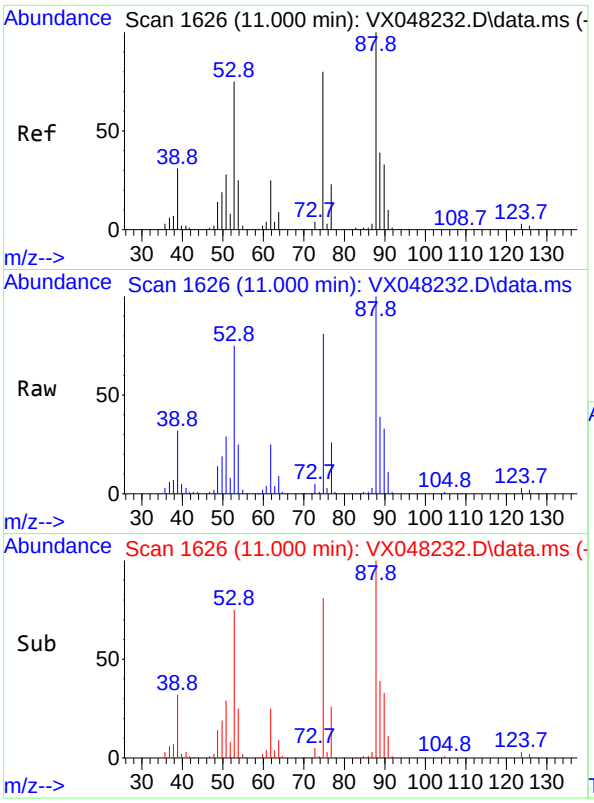




#80
1,3,5-Trimethylbenzene
Concen: 47.329 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:105 Resp: 265174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.1 | 24.0 | 72.0 |



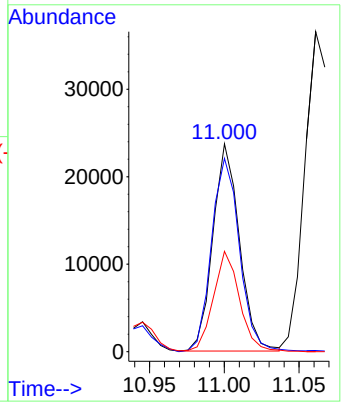


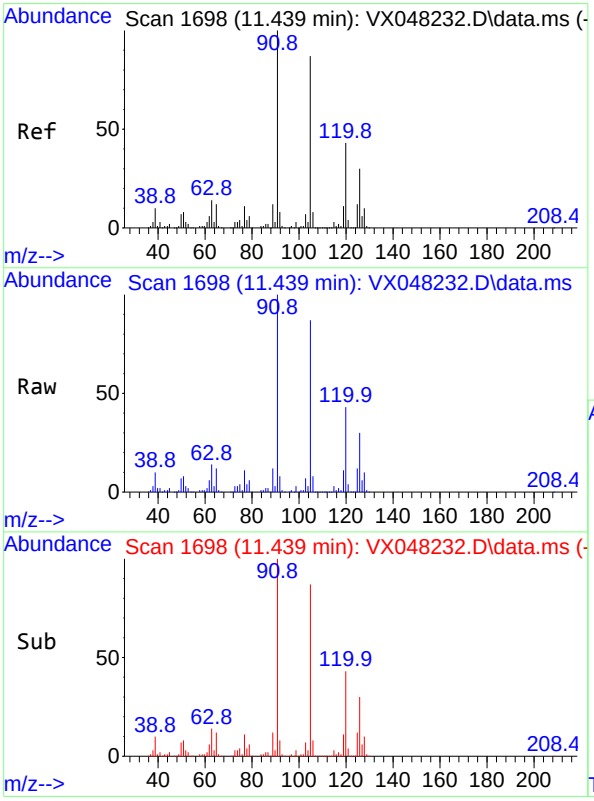

#81
trans-1,4-Dichloro-2-butene
Concen: 47.415 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 29295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 98.5 | 79.5 | 119.3 |
| 89 | 48.0 | 36.8 | 55.2 |

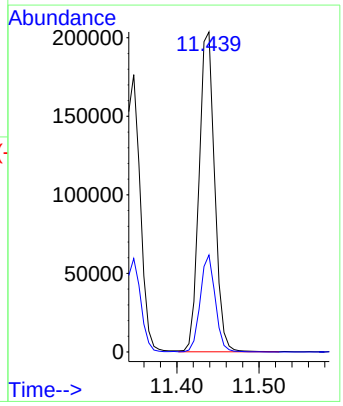


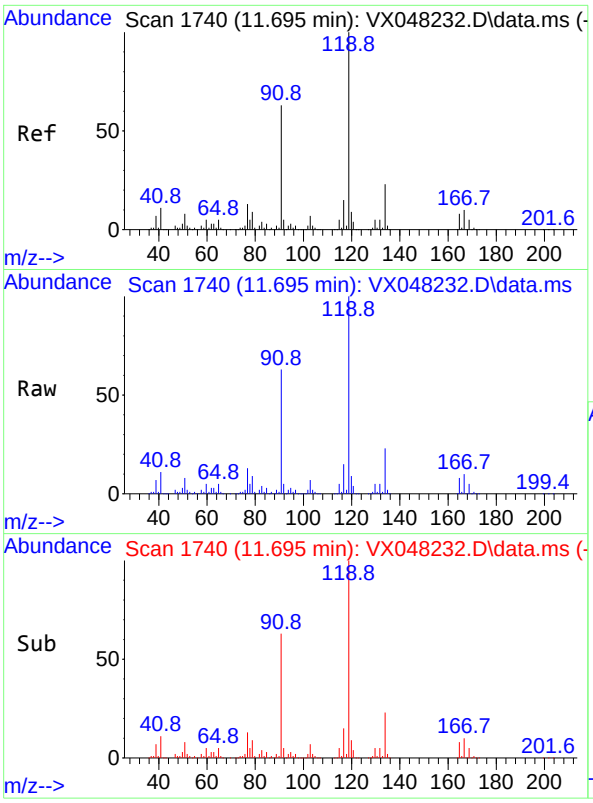




#82
4-Chlorotoluene
Concen: 47.367 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 91 Resp: 267236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.1 | 42.4 |



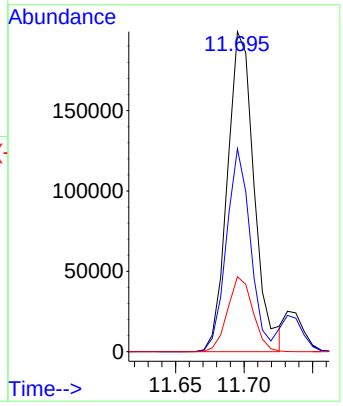


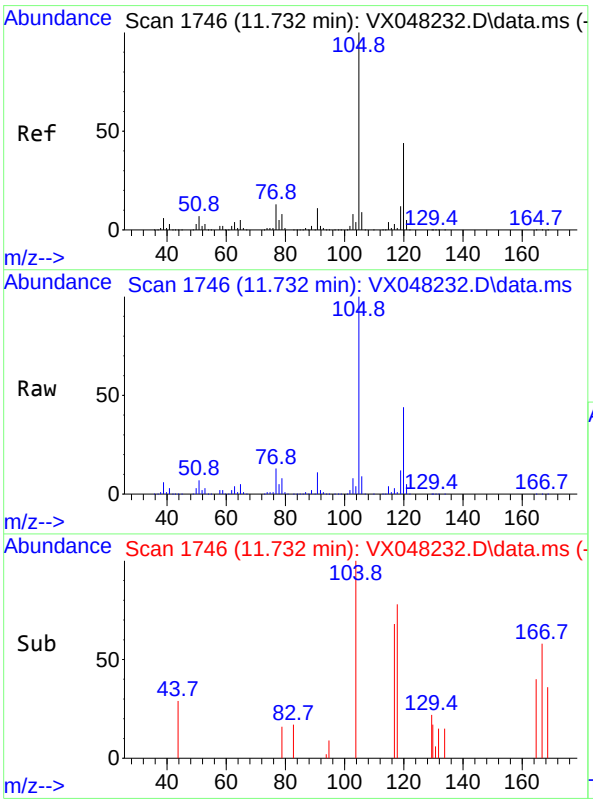

#83
tert-Butylbenzene
Concen: 46.938 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:119 Resp: 270202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 57.2 | 30.3 | 91.0 |
| 134 | 22.2 | 11.4 | 34.2 |

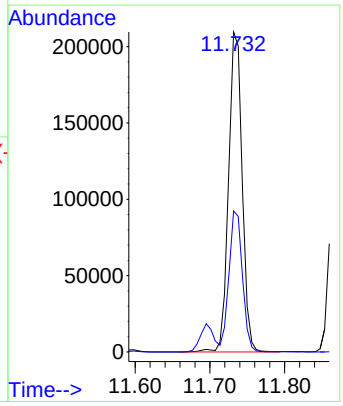


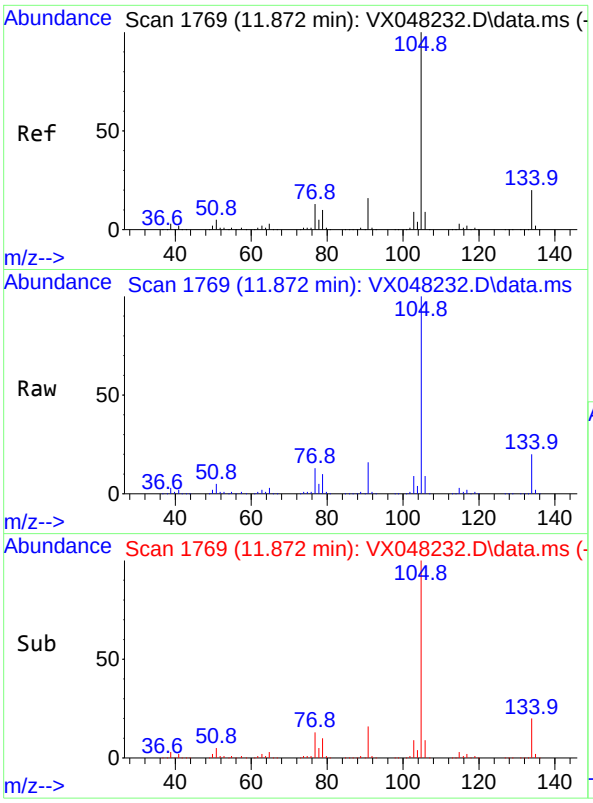




#84
1,2,4-Trimethylbenzene
Concen: 47.480 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:105 Resp: 265485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 22.1 | 66.5 |



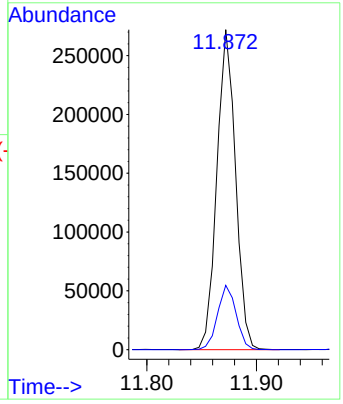


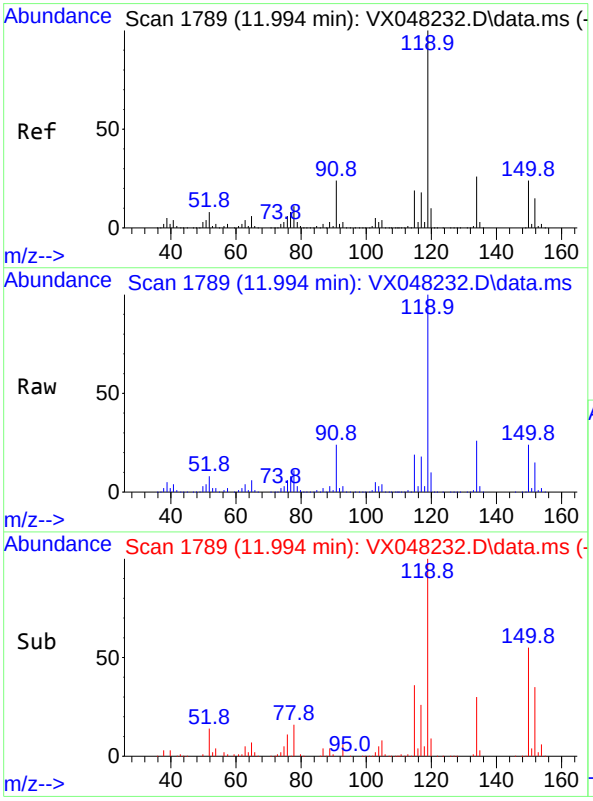

#85
sec-Butylbenzene
Concen: 46.524 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 322219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 10.1 | 30.1 |

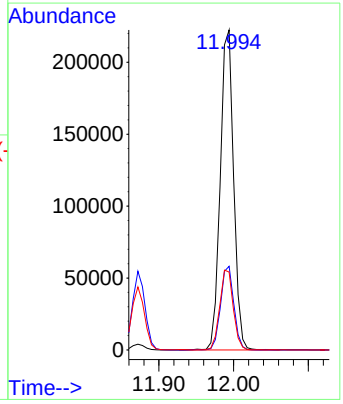


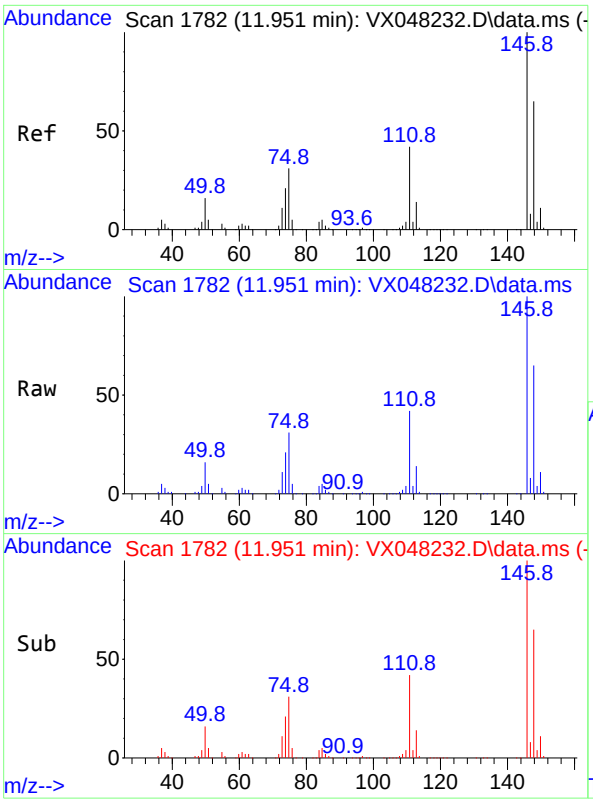




#86
p-Isopropyltoluene
Concen: 46.242 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:119 Resp: 276821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 13.0 | 39.0 |
| 91 | 25.3 | 12.1 | 36.3 |



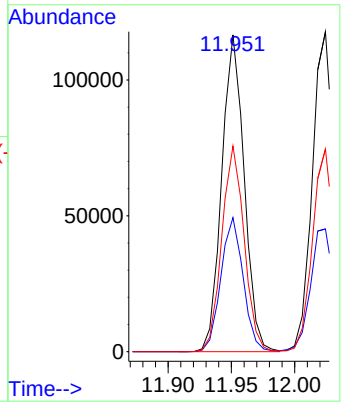


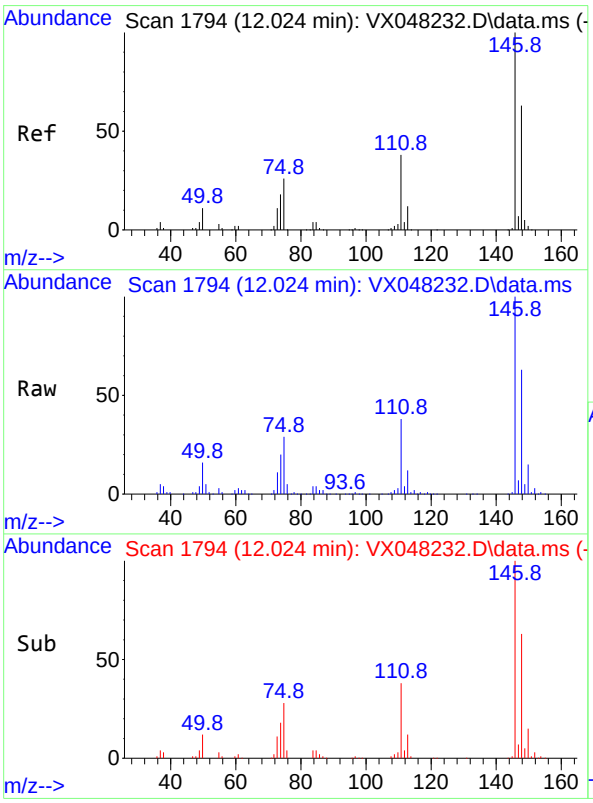

#87
1,3-Dichlorobenzene
Concen: 44.902 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 143699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 20.4 | 61.2 |
| 148 | 64.6 | 31.9 | 95.9 |

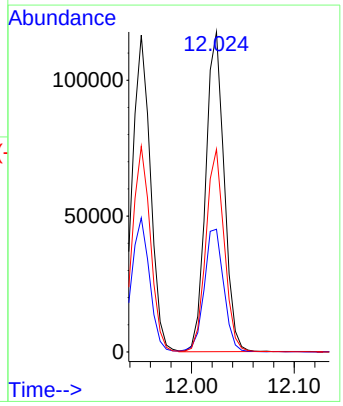


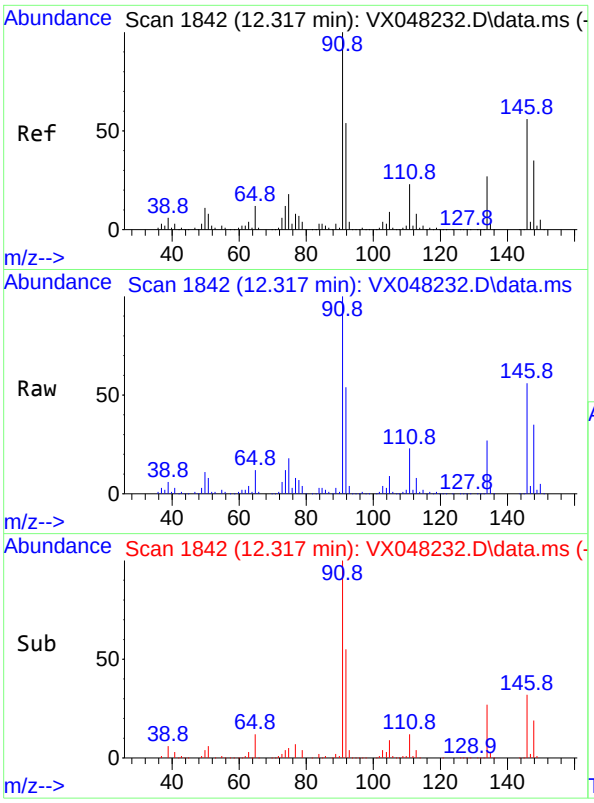




#88
1,4-Dichlorobenzene
Concen: 44.097 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:146 Resp: 146196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 20.1 | 60.2 |
| 148 | 63.3 | 31.8 | 95.3 |



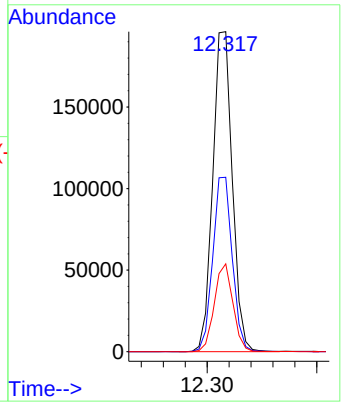


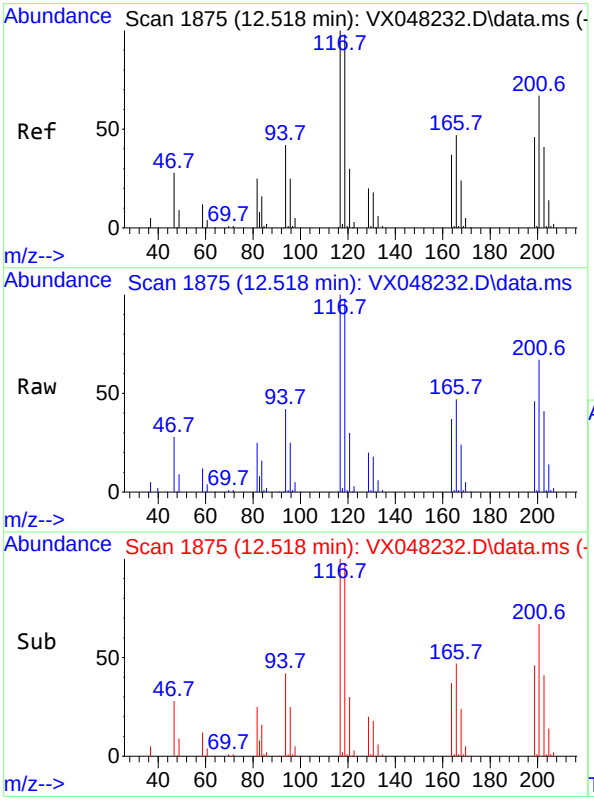

#89
n-Butylbenzene
Concen: 44.609 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 243063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.5 | 26.9 | 80.6 |
| 134 | 26.2 | 12.7 | 38.1 |

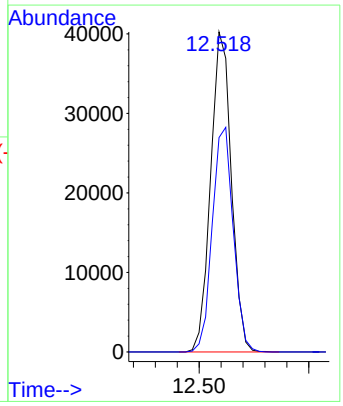


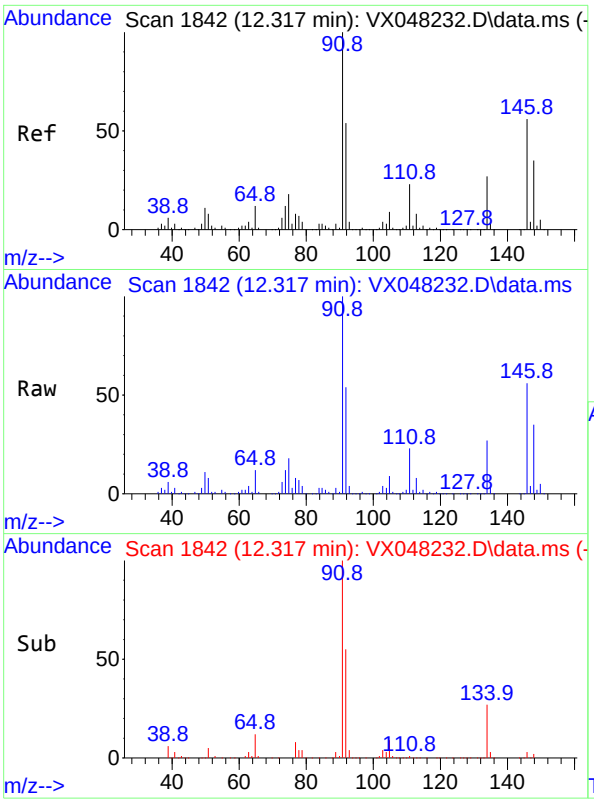




#90
Hexachloroethane
Concen: 44.609 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:117 Resp: 52735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.2 | 34.1 | 102.2 |



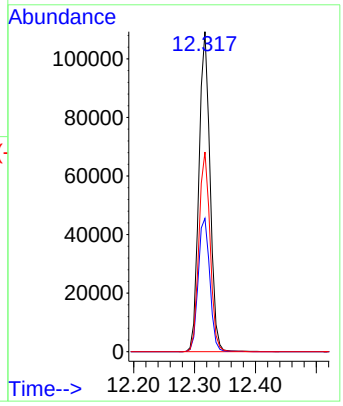


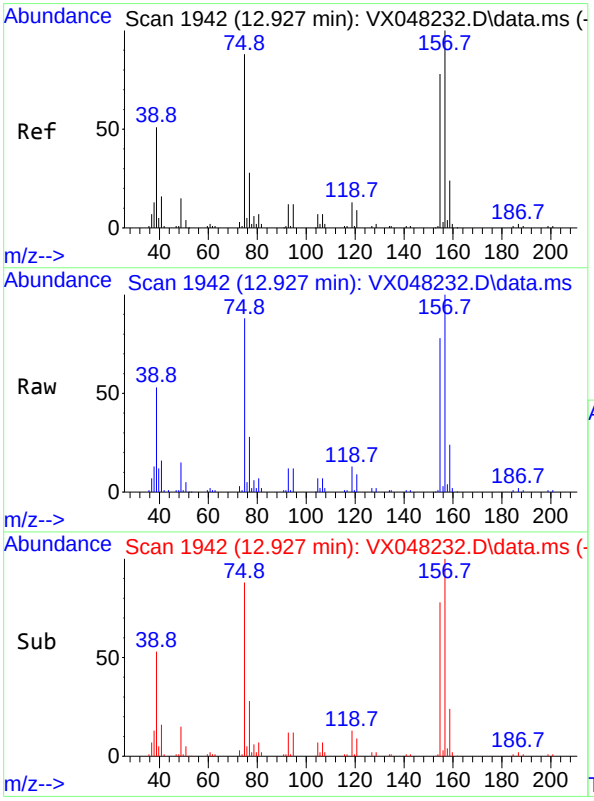

#91
1,2-Dichlorobenzene
Concen: 46.091 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 138489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.9 | 65.5 |
| 148 | 62.9 | 31.9 | 95.5 |

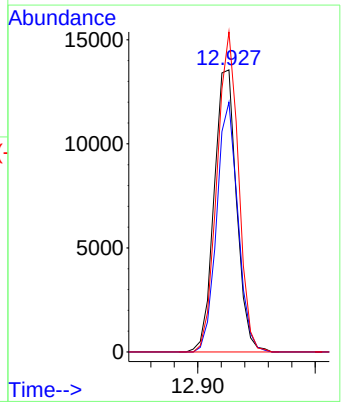


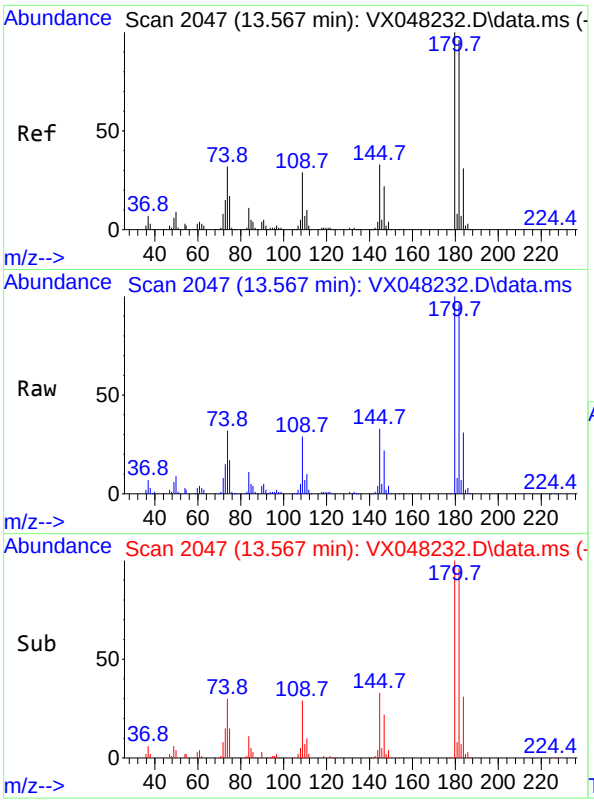




#92
1,2-Dibromo-3-Chloropropane
Concen: 48.120 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 18059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.5 | 42.8 | 128.4 |
| 157 | 108.0 | 54.2 | 162.6 |



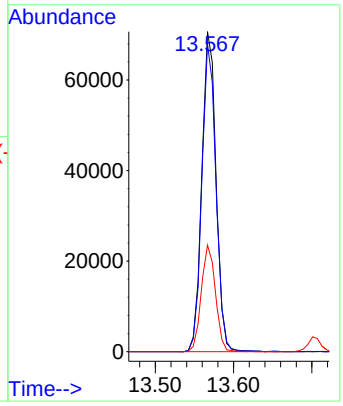


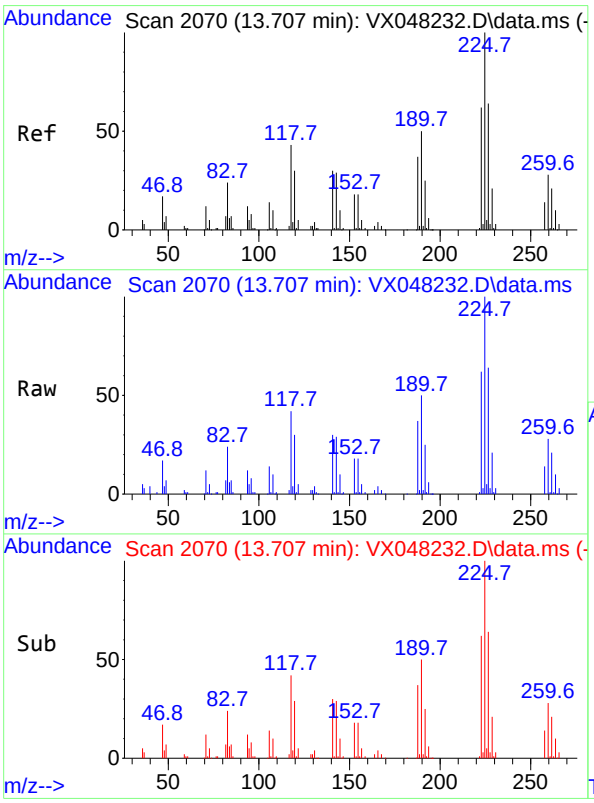

#93
1,2,4-Trichlorobenzene
Concen: 43.761 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:180 Resp: 88920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 47.3 | 142.0 |
| 145 | 33.1 | 16.3 | 48.9 |

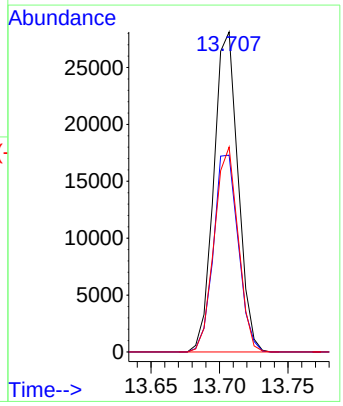


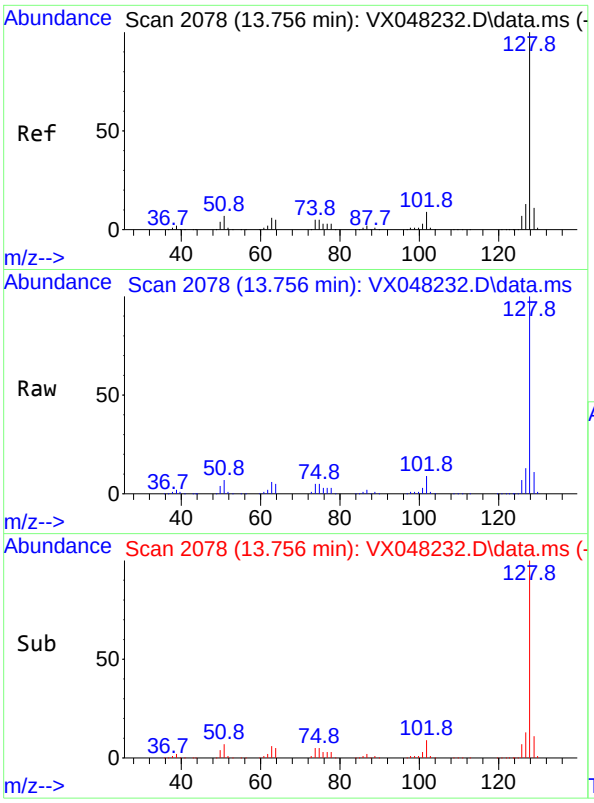




#94
Hexachlorobutadiene
Concen: 45.467 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:225 Resp: 34615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 32.6 | 97.7 |
| 227 | 62.9 | 32.5 | 97.4 |



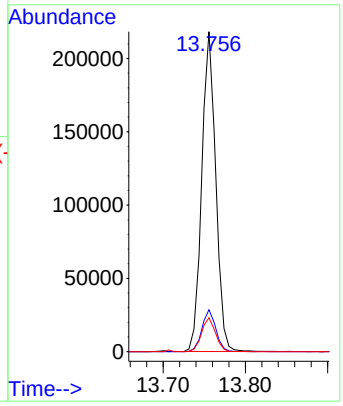


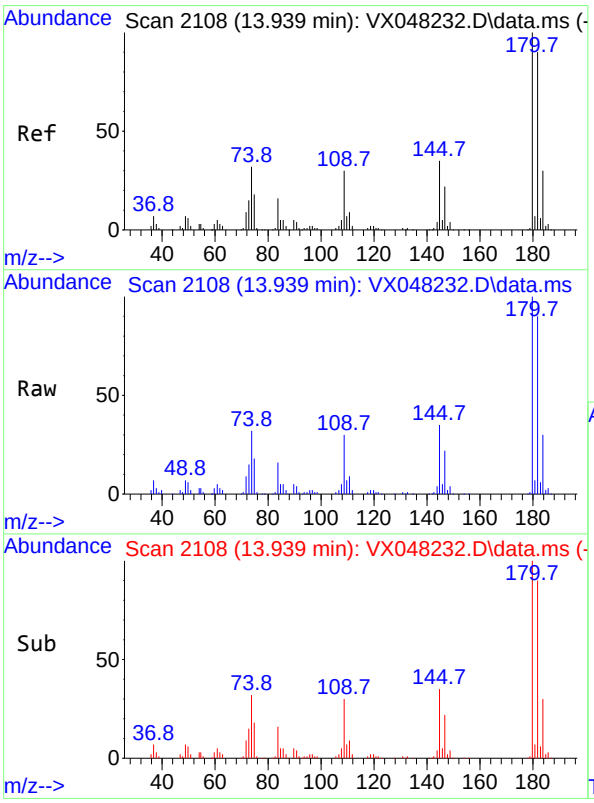

#95
Naphthalene
Concen: 47.792 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:128 Resp: 257281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.2 | 15.4 |
| 129 | 10.6 | 8.6 | 12.8 |

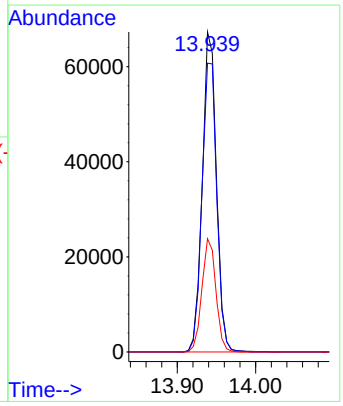



#96
1,2,3-Trichlorobenzene
Concen: 45.200 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:180 Resp: 84279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 46.6 | 139.7 |
| 145 | 35.0 | 16.9 | 50.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048233.D
Acq On : 20 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Oct 25 03:35:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 117551 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.750 | 114 | 187766 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.036 | 117 | 163588 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 80621 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 162188 | 98.406 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 196.820%# | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 129919 | 101.351 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 202.700%# | | | |
| 50) Toluene-d8 | 8.634 | 98 | 448948 | 99.920 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 199.840%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 167565 | 98.032 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 196.060%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 127029 | 105.118 | ug/l | 97 |
| 3) Chloromethane | 1.300 | 50 | 111895 | 99.201 | ug/l | 100 |
| 4) Vinyl Chloride | 1.379 | 62 | 108564 | 103.938 | ug/l | 100 |
| 5) Bromomethane | 1.605 | 94 | 65752 | 92.758 | ug/l | 99 |
| 6) Chloroethane | 1.690 | 64 | 66332 | 108.072 | ug/l | 92 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 213301 | 106.479 | ug/l | 98 |
| 8) Diethyl Ether | 2.135 | 74 | 58302 | 103.435 | ug/l | 88 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 136951 | 107.961 | ug/l | 96 |
| 10) Methyl Iodide | 2.452 | 142 | 183697 | 115.192 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.952 | 59 | 78284 | 478.391 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.324 | 96 | 131152 | 106.271 | ug/l | 93 |
| 13) Acrolein | 2.239 | 56 | 87244 | 522.748 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 214290 | 104.584 | ug/l | 98 |
| 15) Acrylonitrile | 3.056 | 53 | 298022 | 505.062 | ug/l | 100 |
| 16) Acetone | 2.373 | 43 | 260058 | 459.946 | ug/l | 99 |
| 17) Carbon Disulfide | 2.513 | 76 | 380127 | 97.731 | ug/l | 99 |
| 18) Methyl Acetate | 2.702 | 43 | 120920 | 102.405 | ug/l | 93 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 427254 | 101.480 | ug/l | 97 |
| 20) Methylene Chloride | 2.788 | 84 | 140317 | 101.850 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 139080 | 102.594 | ug/l | 96 |
| 22) Diisopropyl ether | 3.751 | 45 | 420126 | 102.802 | ug/l | 89 |
| 23) Vinyl Acetate | 3.714 | 43 | 1723170 | 527.850 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 248141 | 100.417 | ug/l | 99 |
| 25) 2-Butanone | 4.543 | 43 | 353741 | 494.285 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.470 | 77 | 228643 | 102.510 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 163444 | 103.308 | ug/l | 98 |
| 28) Bromochloromethane | 4.885 | 49 | 108536 | 105.928 | ug/l | 86 |
| 29) Tetrahydrofuran | 4.989 | 42 | 216543 | 505.219 | ug/l | 93 |
| 30) Chloroform | 5.080 | 83 | 264966 | 100.362 | ug/l | 98 |
| 31) Cyclohexane | 5.464 | 56 | 217717 | 106.419 | ug/l | 91 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 248018 | 101.932 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 183932 | 100.953 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 153844 | 101.872 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 226976 | 100.976 | ug/l | 99 |
| 39) Methylcyclohexane | 7.366 | 83 | 235208 | 109.312 | ug/l | 95 |
| 40) Benzene | 6.025 | 78 | 535407 | 101.216 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048233.D
Acq On : 20 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Oct 25 03:35:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.909 | 41 | 83790 | 105.653 ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 198348 | 101.616 ug/l | | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 256067 | 103.227 ug/l | | 95 |
| 44) Trichloroethene | 7.110 | 130 | 142779 | 102.221 ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 130188 | 103.516 ug/l | | 96 |
| 46) Dibromomethane | 7.567 | 93 | 98105 | 100.126 ug/l | | 94 |
| 47) Bromodichloromethane | 7.805 | 83 | 215302 | 101.770 ug/l | | 99 |
| 48) Methyl methacrylate | 7.677 | 41 | 131454 | 105.017 ug/l | | 95 |
| 49) 1,4-Dioxane | 7.647 | 88 | 35972 | 2175.223 ug/l | | 89 |
| 51) 4-Methyl-2-Pentanone | 8.561 | 43 | 720980 | 504.097 ug/l | | 94 |
| 52) Toluene | 8.701 | 92 | 341597 | 101.651 ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.963 | 75 | 215736 | 105.820 ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 231037 | 105.038 ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 124910 | 99.952 ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 196699 | 107.610 ug/l | | 94 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 214853 | 100.650 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 505448 | 512.470 ug/l | | 96 |
| 59) 2-Hexanone | 9.415 | 43 | 509398 | 510.781 ug/l | | 95 |
| 60) Dibromochloromethane | 9.506 | 129 | 166167 | 98.928 ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.591 | 107 | 134662 | 101.077 ug/l | | 97 |
| 64) Tetrachloroethene | 9.256 | 164 | 121163 | 99.215 ug/l | | 97 |
| 65) Chlorobenzene | 10.061 | 112 | 375532 | 102.048 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 140599 | 104.022 ug/l | | 97 |
| 67) Ethyl Benzene | 10.177 | 91 | 656925 | 104.850 ug/l | | 98 |
| 68) m/p-Xylenes | 10.286 | 106 | 490879 | 210.869 ug/l | | 100 |
| 69) o-Xylene | 10.622 | 106 | 236648 | 105.297 ug/l | | 100 |
| 70) Styrene | 10.640 | 104 | 407916 | 106.594 ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 109613 | 101.467 ug/l | # | 98 |
| 73) Isopropylbenzene | 10.945 | 105 | 624767 | 106.098 ug/l | | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 228080 | 109.195 ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 164207 | 102.114 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 192703 | 147.394 ug/l | | 78 |
| 77) Bromobenzene | 11.183 | 156 | 153619 | 104.042 ug/l | | 93 |
| 78) n-propylbenzene | 11.286 | 91 | 732684 | 107.464 ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 434217 | 105.044 ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.432 | 105 | 519549 | 106.616 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 59059 | 109.902 ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 506861 | 103.293 ug/l | | 98 |
| 83) tert-Butylbenzene | 11.695 | 119 | 529264 | 105.707 ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 523474 | 107.638 ug/l | | 99 |
| 85) sec-Butylbenzene | 11.871 | 105 | 639904 | 106.228 ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.987 | 119 | 548119 | 105.271 ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 281617 | 101.174 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 277908 | 96.377 ug/l | | 98 |
| 89) n-Butylbenzene | 12.316 | 91 | 495486 | 104.552 ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 107057 | 104.121 ug/l | | 93 |
| 91) 1,2-Dichlorobenzene | 12.316 | 146 | 261022 | 99.880 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 36087 | 110.555 ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.566 | 180 | 179562 | 101.602 ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.706 | 225 | 68645 | 103.582 ug/l | | 98 |
| 95) Naphthalene | 13.755 | 128 | 511355 | 109.211 ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.944 | 180 | 169248 | 104.362 ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048233.D
Acq On : 20 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Oct 25 03:35:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

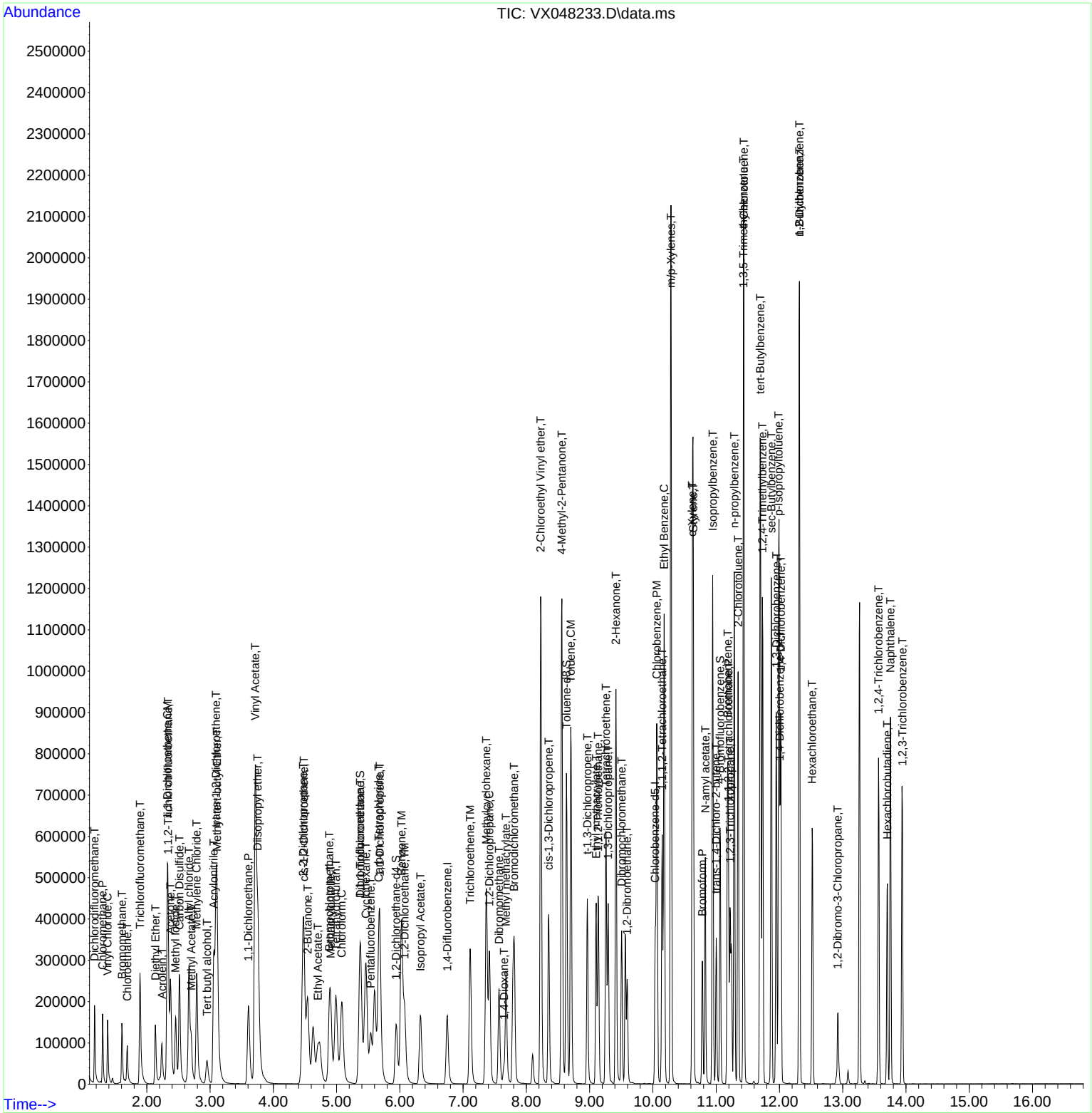
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

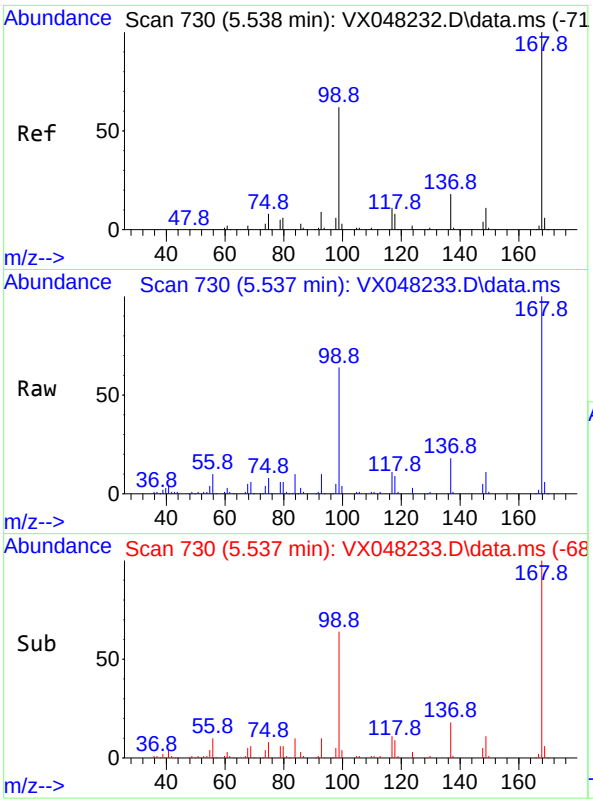
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048233.D
Acq On : 20 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Oct 25 03:35:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



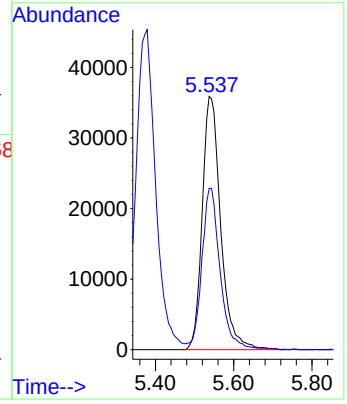


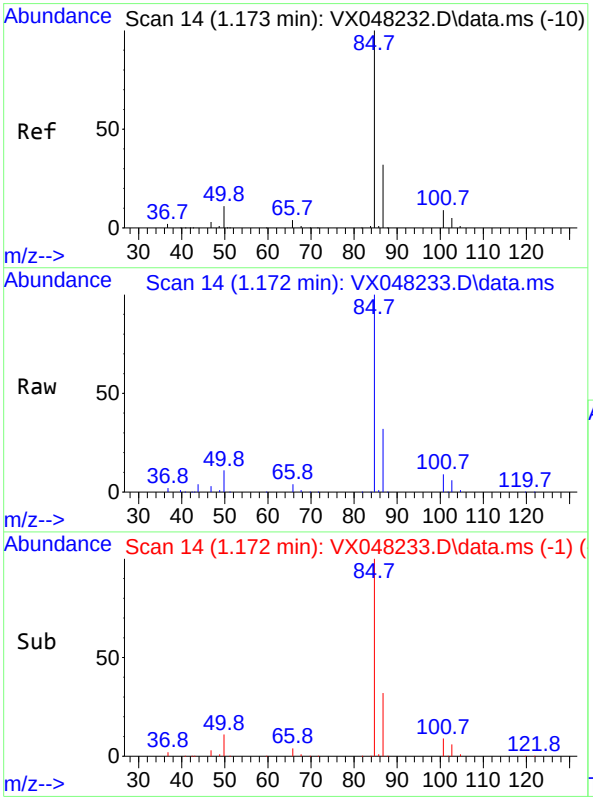

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:168 Resp: 117551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.4 | 46.4 | 69.6 |

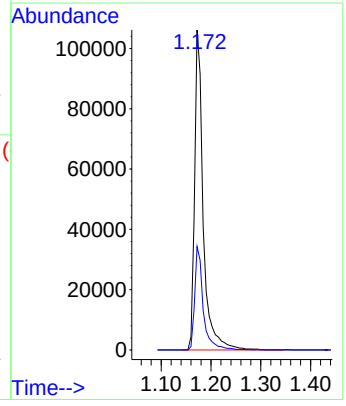


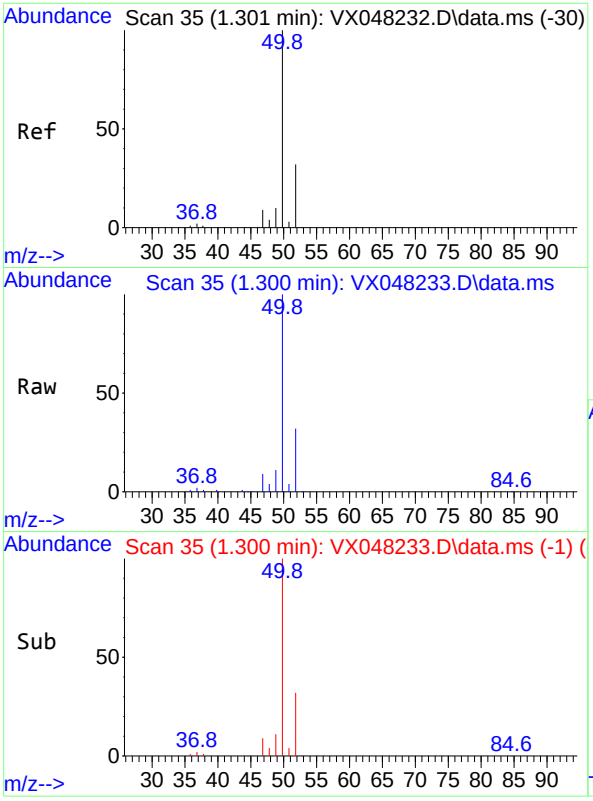




#2
Dichlorodifluoromethane
Concen: 105.118 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 85 Resp: 127029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 15.3 | 45.9 |



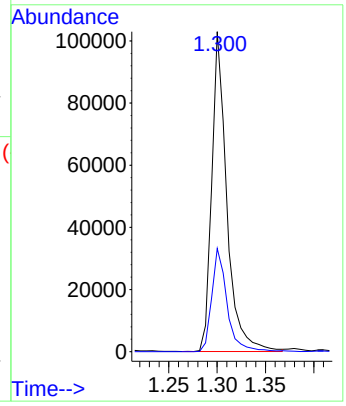


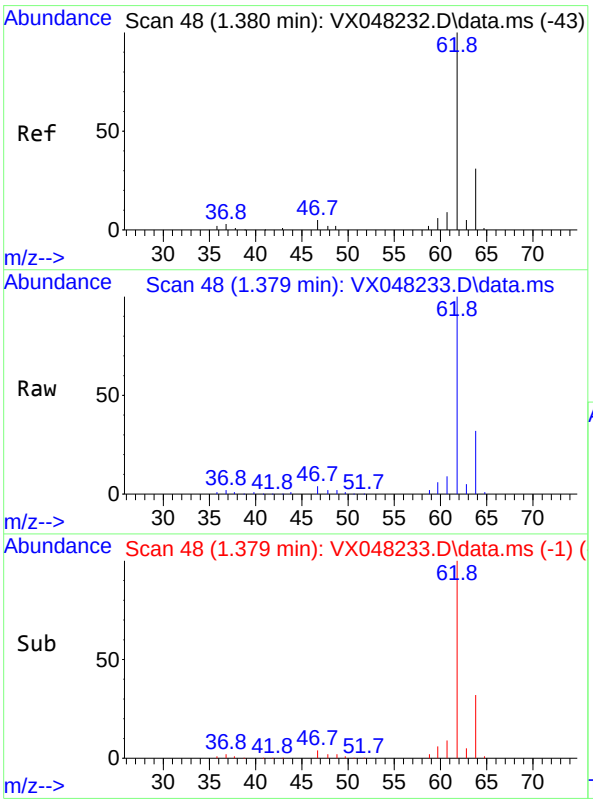

#3
Chloromethane
Concen: 99.201 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 50 Resp: 111895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 25.9 | 38.9 |

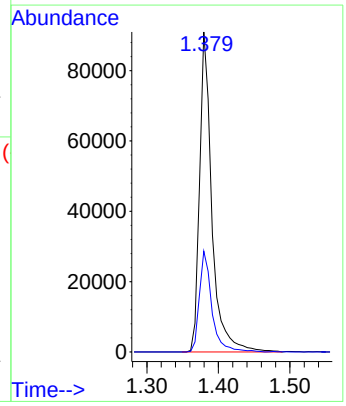


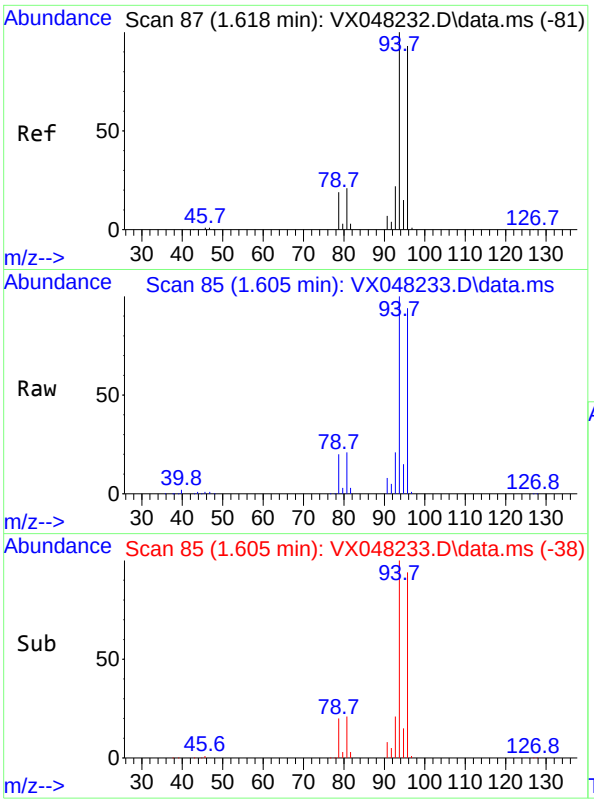




#4
Vinyl Chloride
Concen: 103.938 ug/l
RT: 1.379 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 62 Resp: 108564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 25.1 | 37.7 |



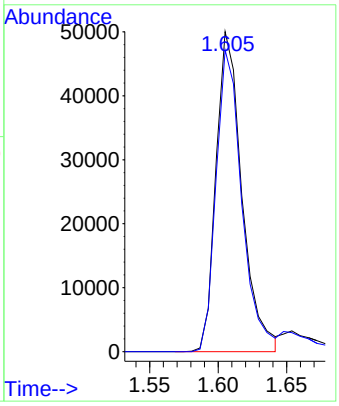


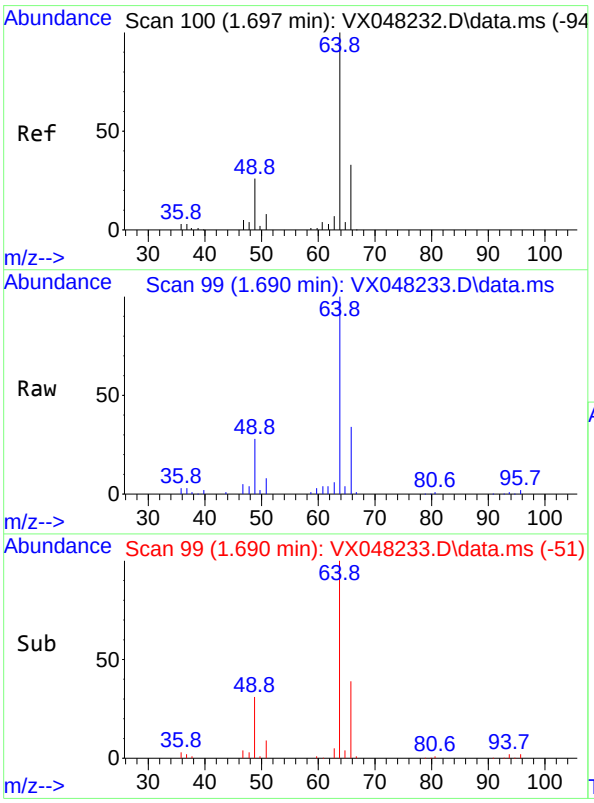

#5
Bromomethane
Concen: 92.758 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.013 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 94 Resp: 65752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.3 | 76.0 | 114.0 |

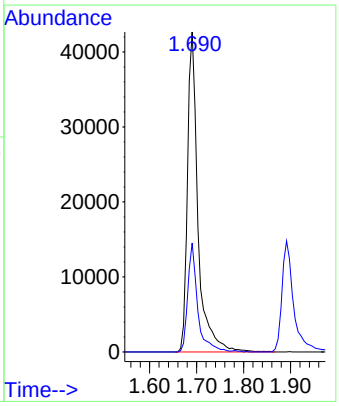


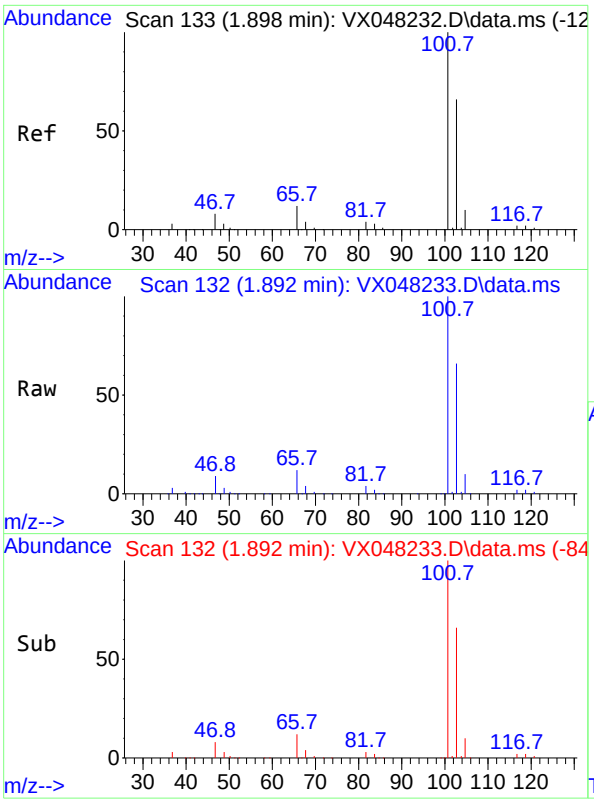




#6
Chloroethane
Concen: 108.072 ug/l
RT: 1.690 min Scan# 99
Delta R.T. -0.007 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 64 Resp: 66332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.0 | 23.9 | 35.9 |



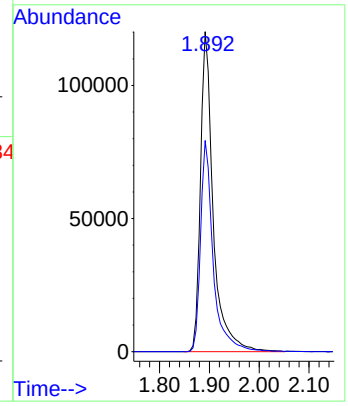


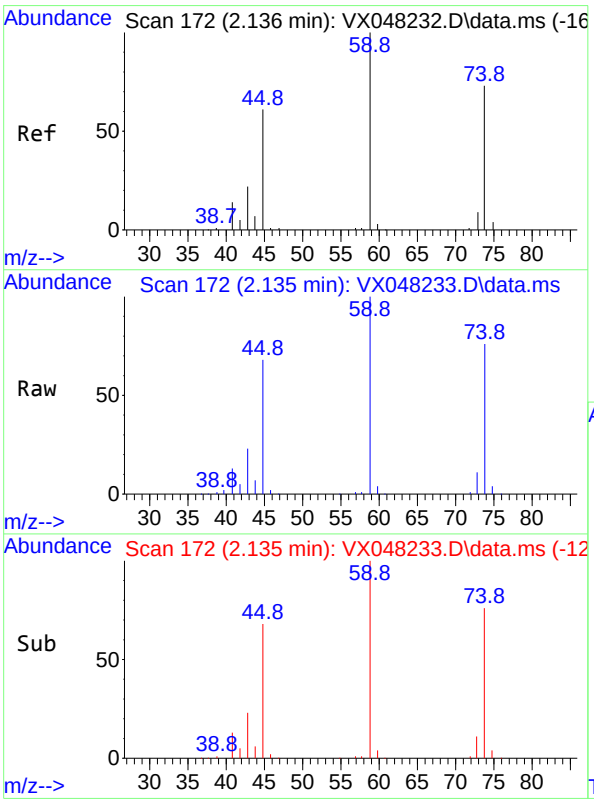

#7
Trichlorofluoromethane
Concen: 106.479 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 213301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.0 | 51.6 | 77.4 |

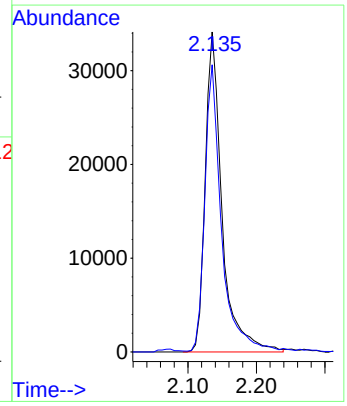


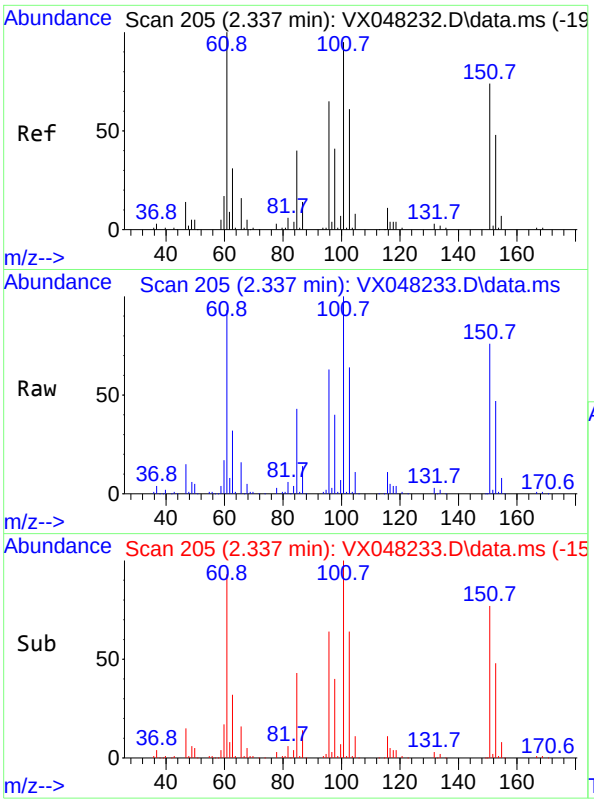




#8
Diethyl Ether
Concen: 103.435 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 74 Resp: 58302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 88.0 | 50.0 | 149.8 |



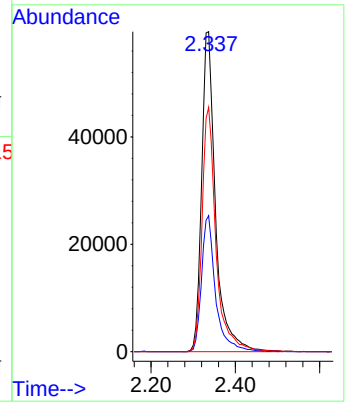


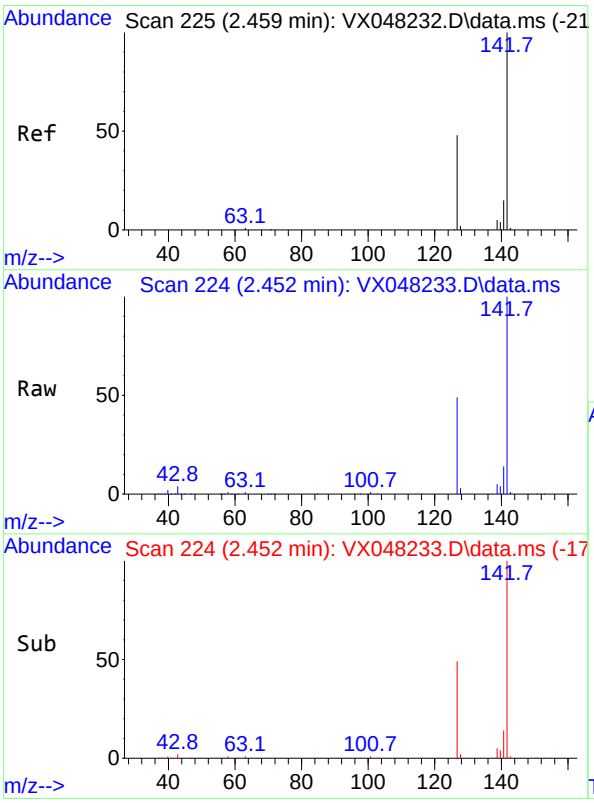

#9
1,1,2-Trichlorotrifluoroethane
Concen: 107.961 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 136951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.9 | 35.6 | 53.4 |
| 151 | 76.5 | 58.0 | 87.0 |

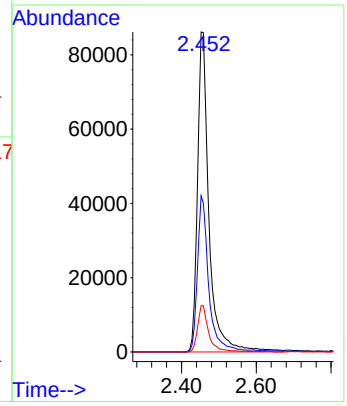


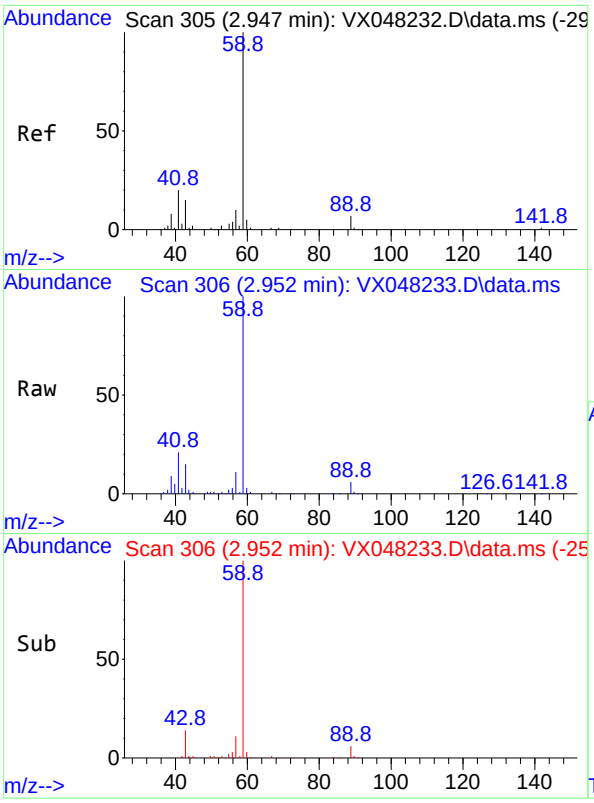




#10
Methyl Iodide
Concen: 115.192 ug/l
RT: 2.452 min Scan# 224
Delta R.T. -0.007 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:142 Resp: 183697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.6 | 38.5 | 57.7 |
| 141 | 14.1 | 11.6 | 17.4 |



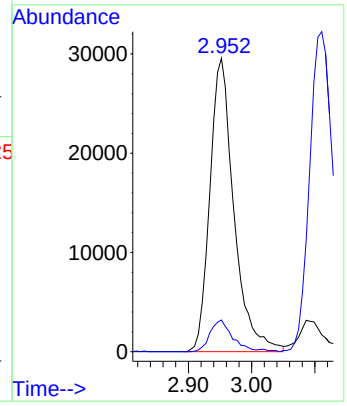


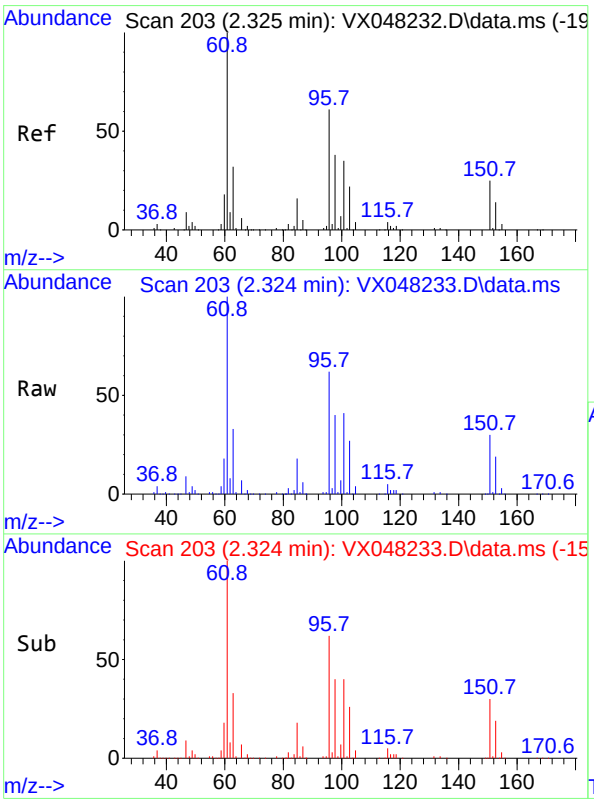

#11
Tert butyl alcohol
Concen: 478.391 ug/l
RT: 2.952 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 59 Resp: 78284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.9 | 8.2 | 12.4 |

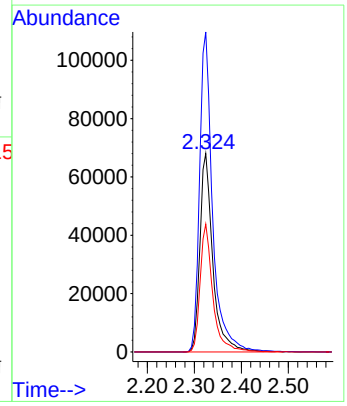


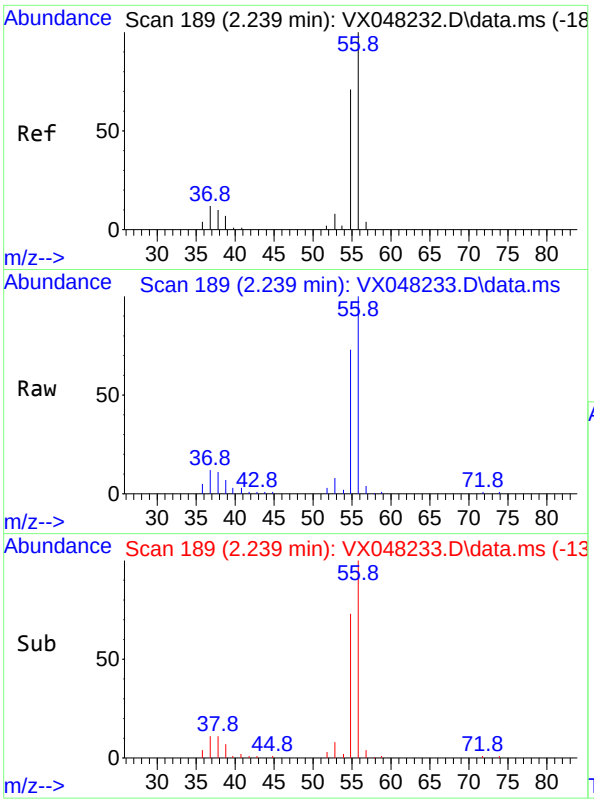




#12
1,1-Dichloroethene
Concen: 106.271 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 96 Resp: 131152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.2 | 139.0 | 208.6 |
| 98 | 64.4 | 52.4 | 78.6 |



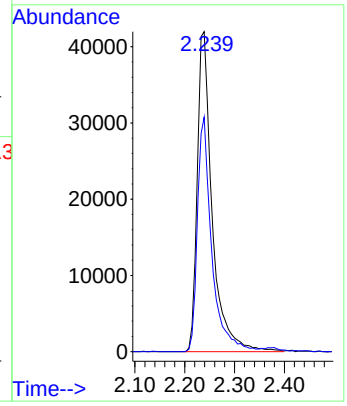


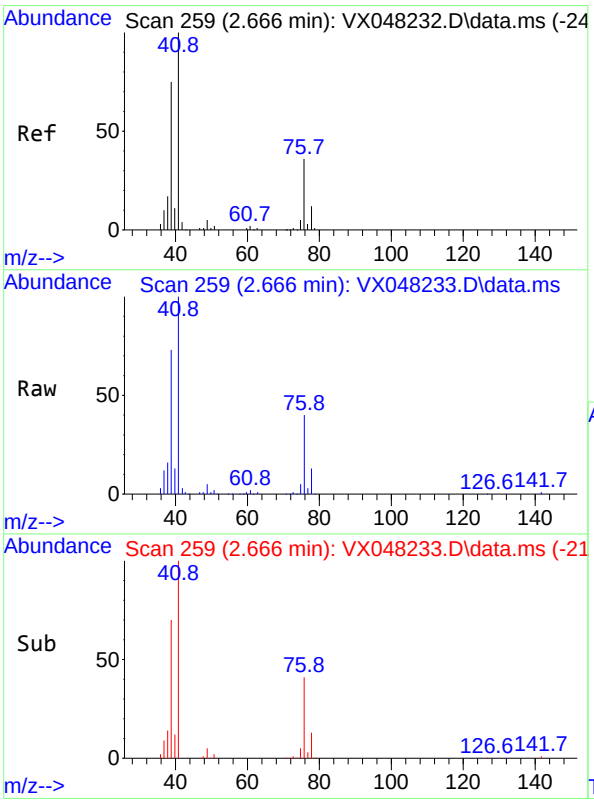

#13
Acrolein
Concen: 522.748 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 87244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.2 | 56.1 | 84.1 |

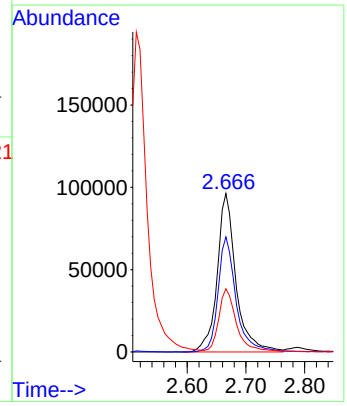


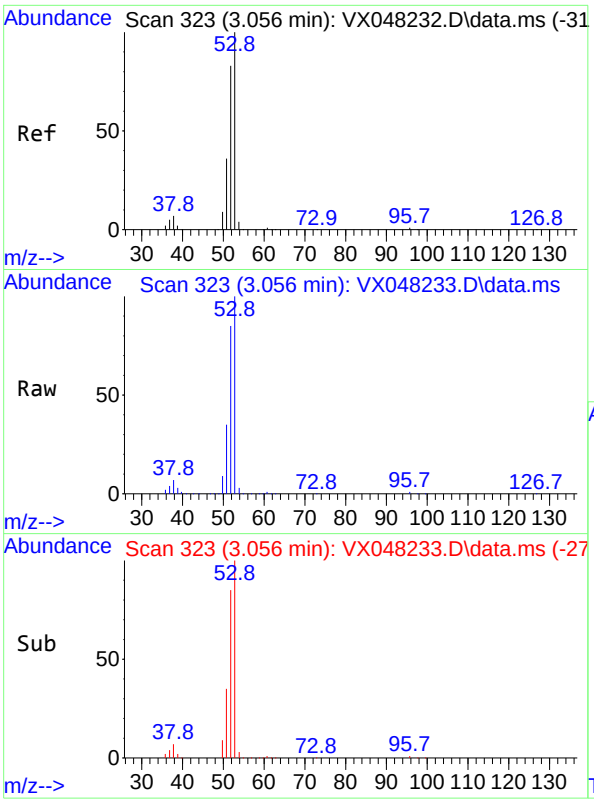




#14
Allyl chloride
Concen: 104.584 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 41 Resp: 214290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 69.5 | 56.0 | 84.0 |
| 76 | 37.6 | 27.5 | 41.3 |



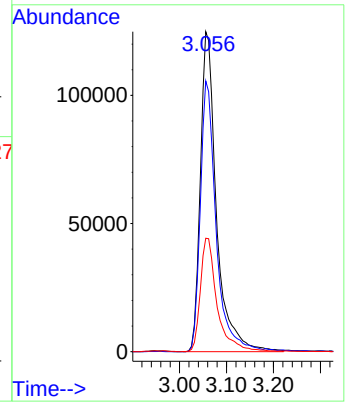


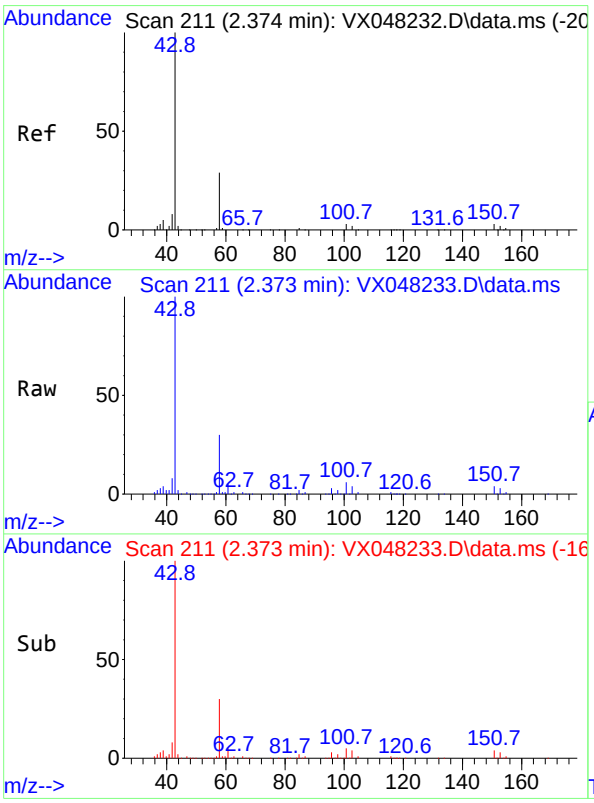

#15
Acrylonitrile
Concen: 505.062 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 53 Resp: 298022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.7 | 66.1 | 99.1 |
| 51 | 37.0 | 29.0 | 43.4 |

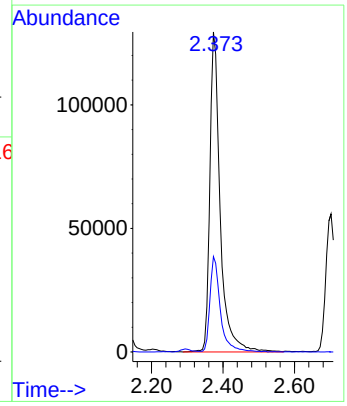


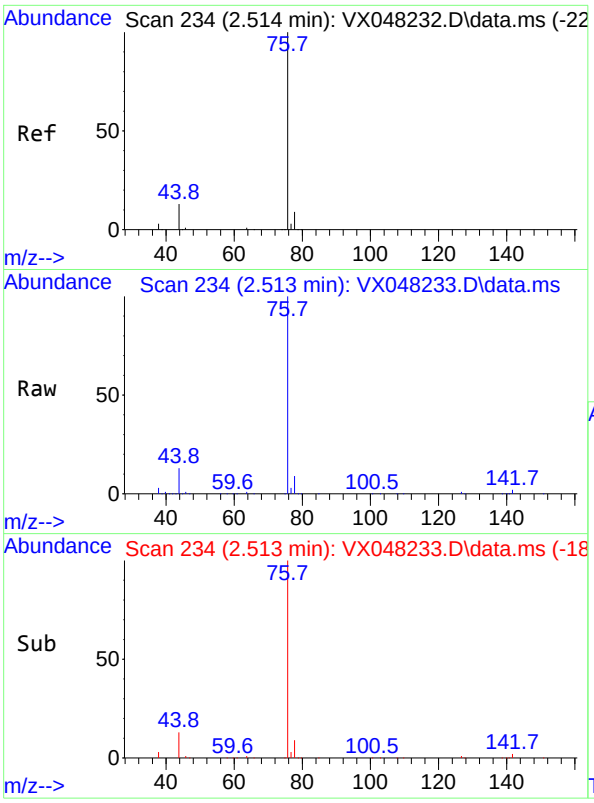




#16
Acetone
Concen: 459.946 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 260058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.8 | 23.4 | 35.2 |



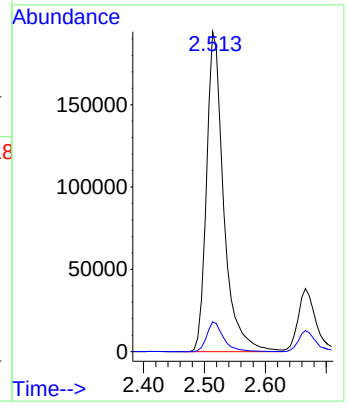


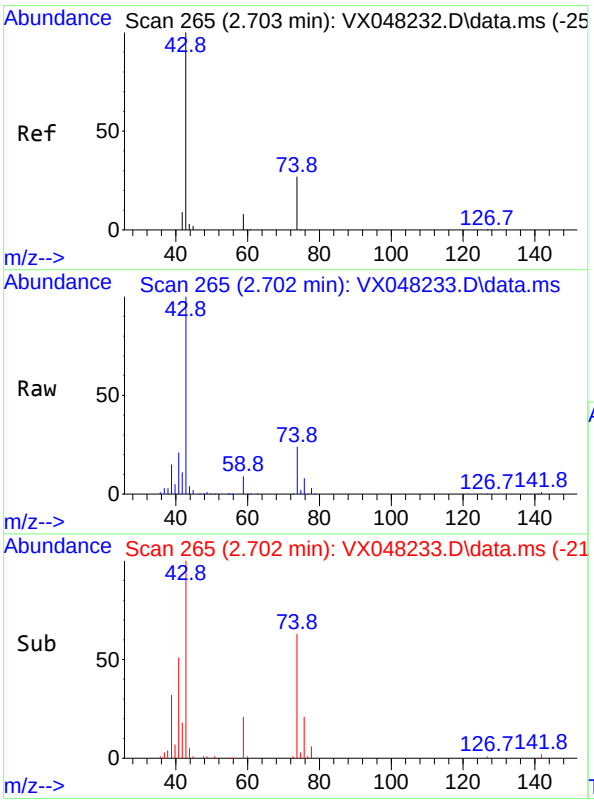

#17
Carbon Disulfide
Concen: 97.731 ug/l
RT: 2.513 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 380127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.1 | 10.7 |

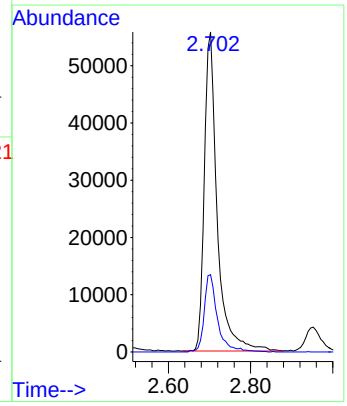


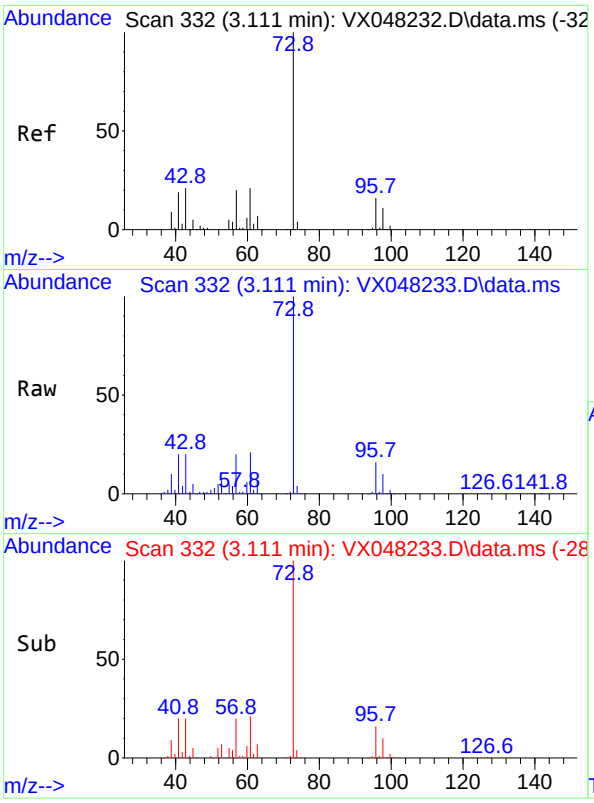




#18
Methyl Acetate
Concen: 102.405 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 120920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.0 | 17.5 | 26.3 |



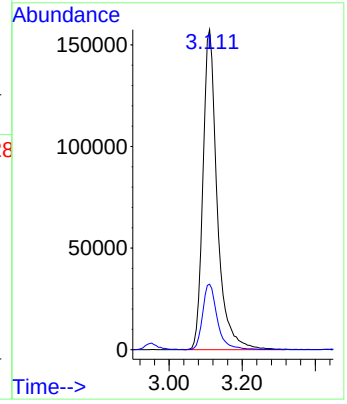


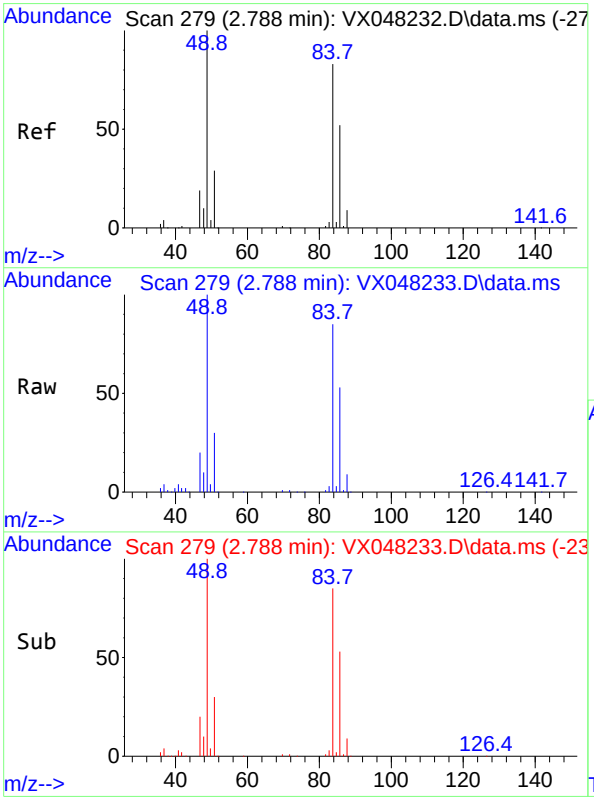

#19
Methyl tert-butyl Ether
Concen: 101.480 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 73 Resp: 427254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.5 | 17.7 | 26.5 |

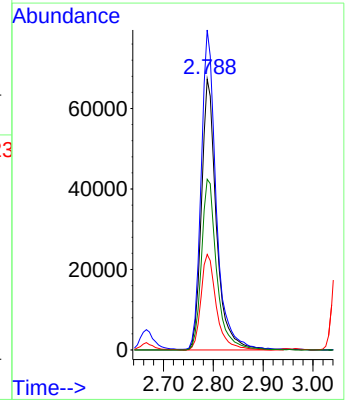


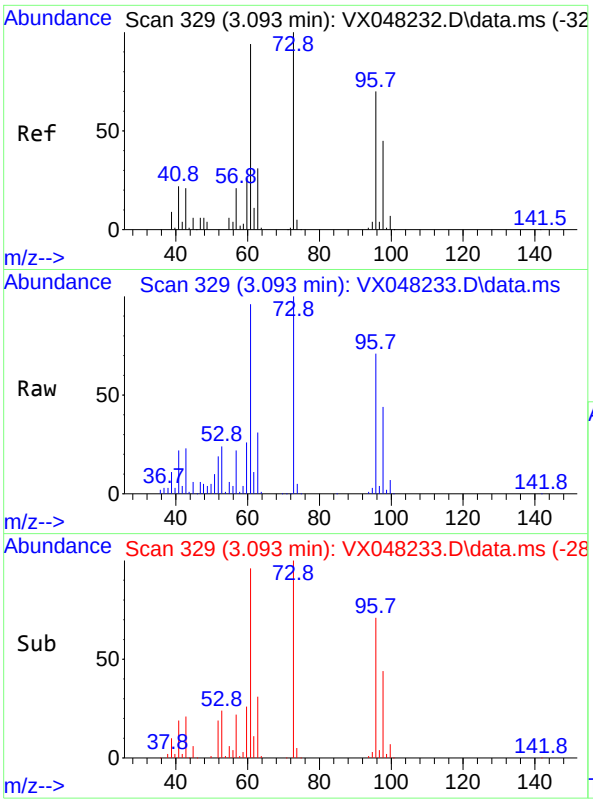




#20
Methylene Chloride
Concen: 101.850 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 84 Resp: 140317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.9 | 104.1 | 156.1 |
| 51 | 35.3 | 31.3 | 46.9 |
| 86 | 63.0 | 51.3 | 76.9 |



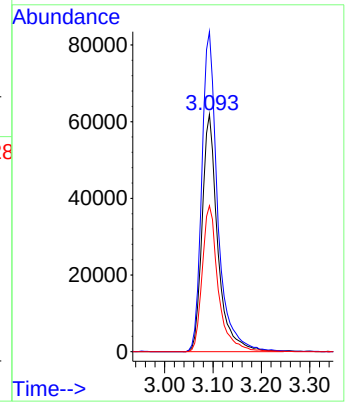


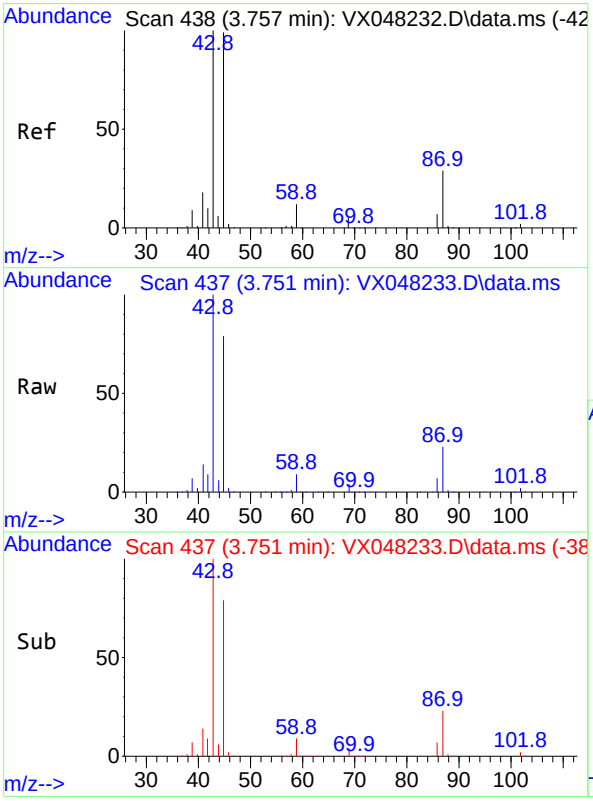

#21
trans-1,2-Dichloroethene
Concen: 102.594 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 139080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.9 | 111.9 | 167.9 |
| 98 | 61.5 | 51.2 | 76.8 |

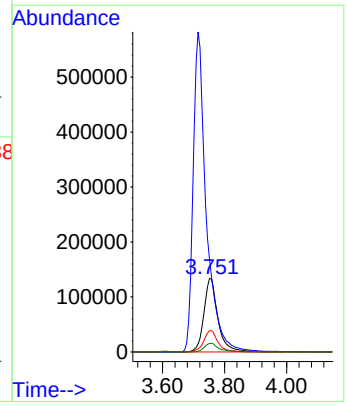


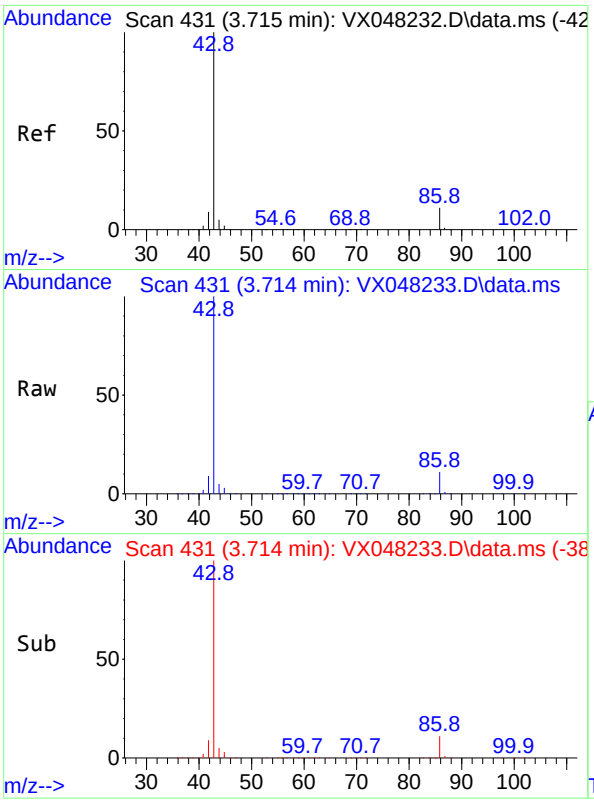




#22
Diisopropyl ether
Concen: 102.802 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 45 Resp: 420126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 126.6 | 89.8 | 134.8 |
| 87 | 29.0 | 20.6 | 31.0 |
| 59 | 11.6 | 9.1 | 13.7 |



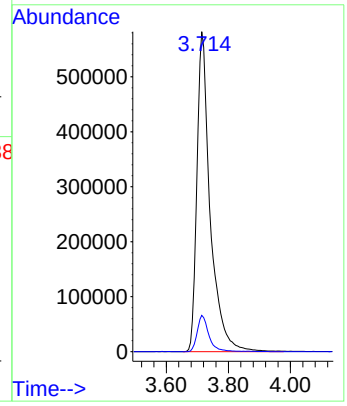


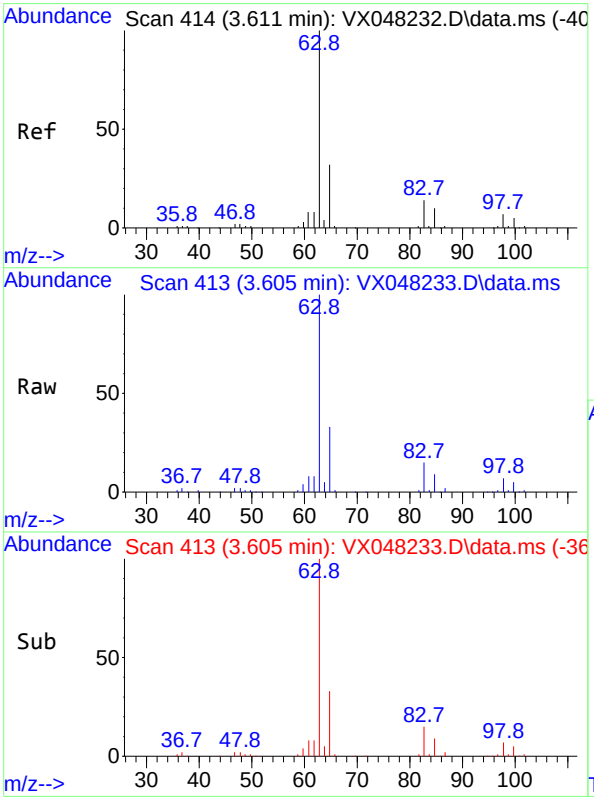

#23
Vinyl Acetate
Concen: 527.850 ug/l
RT: 3.714 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 1723170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.3 | 7.9 | 11.9 |

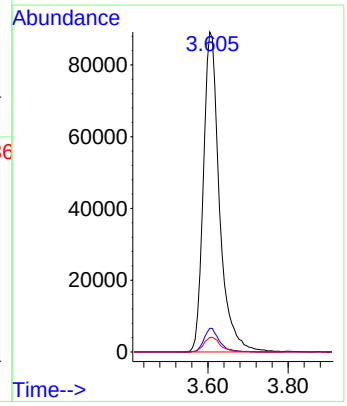


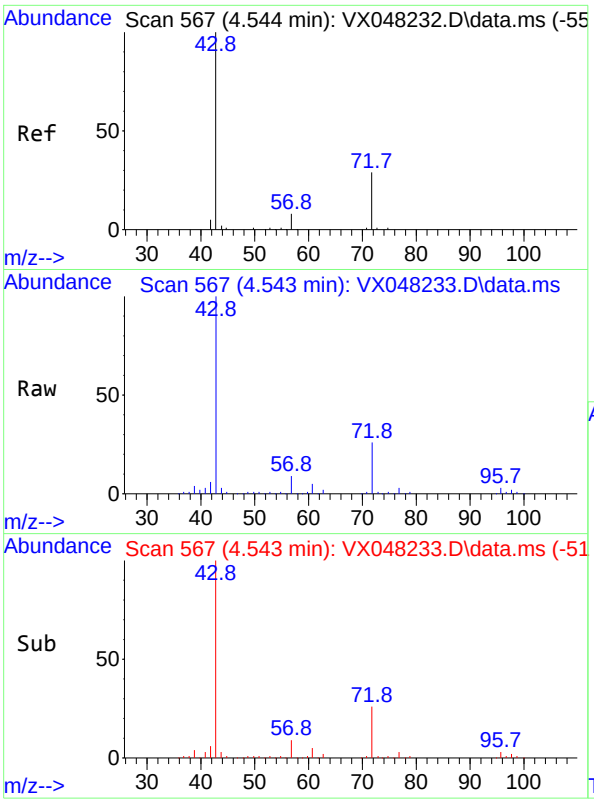




#24
1,1-Dichloroethane
Concen: 100.417 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 63 Resp: 248141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.5 | 10.6 |
| 100 | 4.6 | 2.1 | 6.3 |



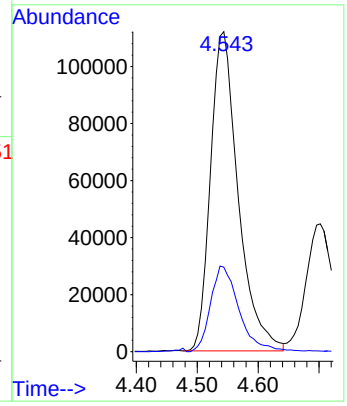


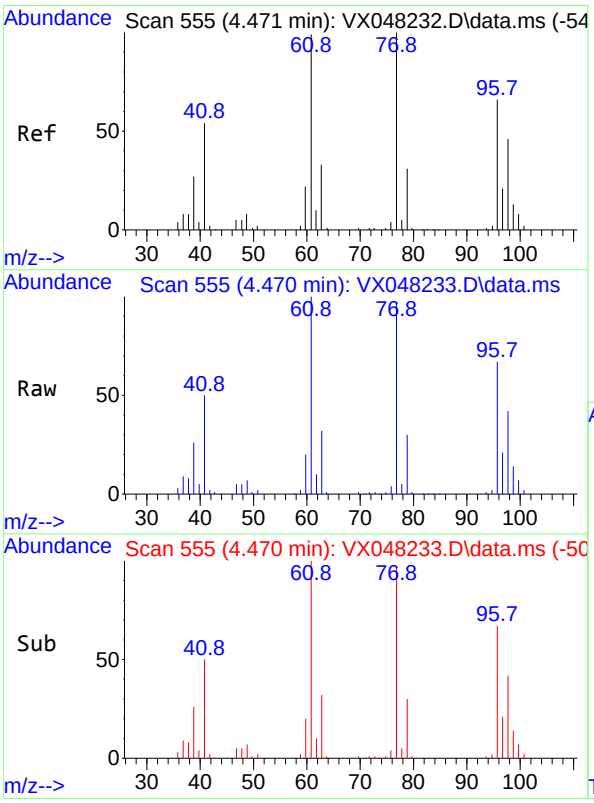

#25
2-Butanone
Concen: 494.285 ug/l
RT: 4.543 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 353741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.8 | 19.9 | 29.9 |

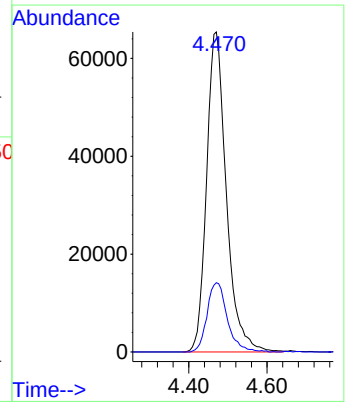


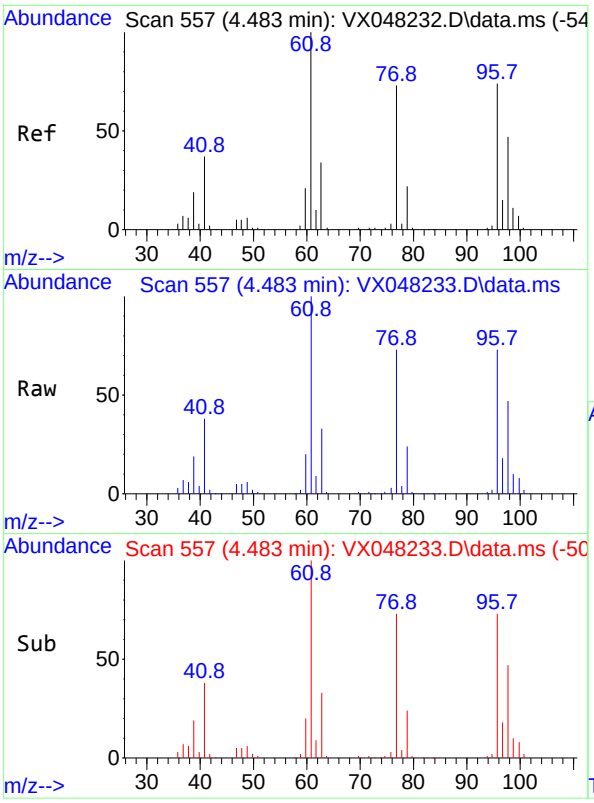




#26
2,2-Dichloropropane
Concen: 102.510 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 77 Resp: 228643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 11.1 | 33.3 |



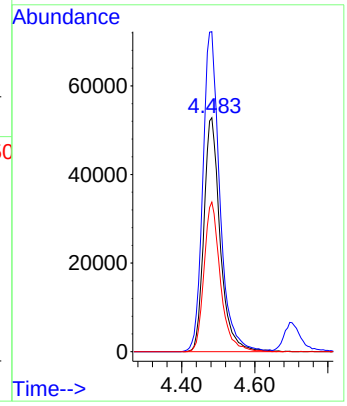


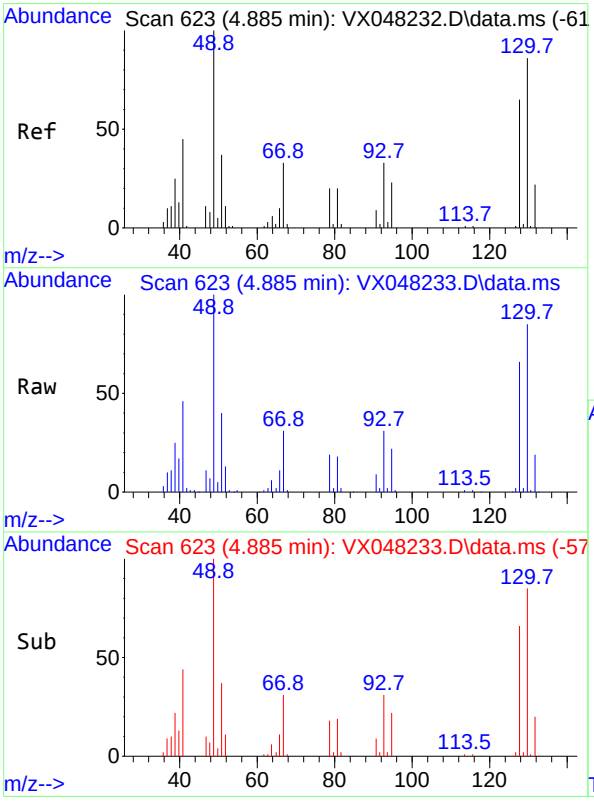

#27
cis-1,2-Dichloroethene
Concen: 103.308 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 163444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.1 | 0.0 | 294.2 |
| 98 | 64.3 | 0.0 | 128.4 |

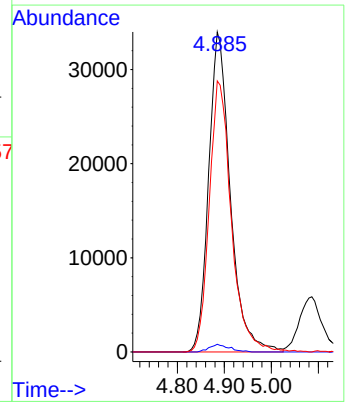


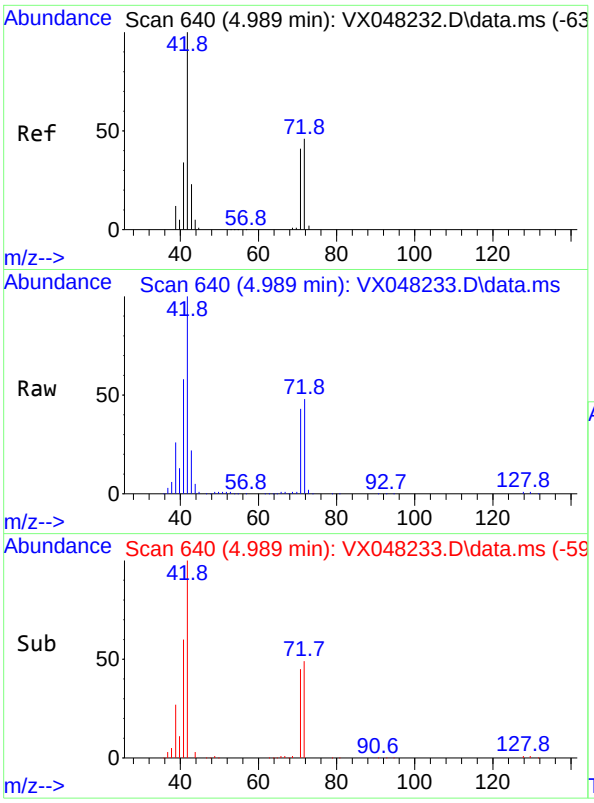




#28
Bromochloromethane
Concen: 105.928 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 49 Resp: 108536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.4 |
| 130 | 86.4 | 59.3 | 88.9 |



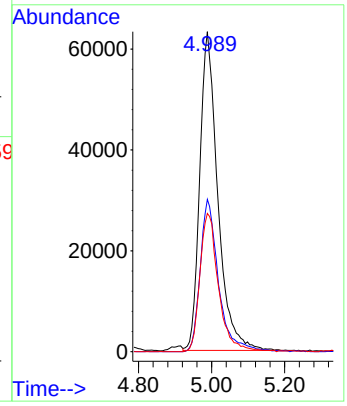


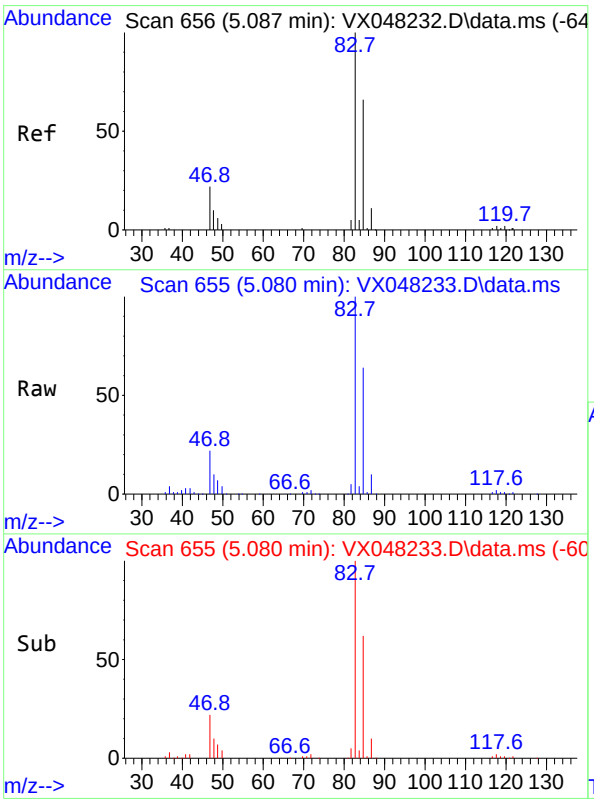

#29
Tetrahydrofuran
Concen: 505.219 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 42 Resp: 216543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.6 | 35.3 | 52.9 |
| 71 | 44.5 | 32.2 | 48.4 |

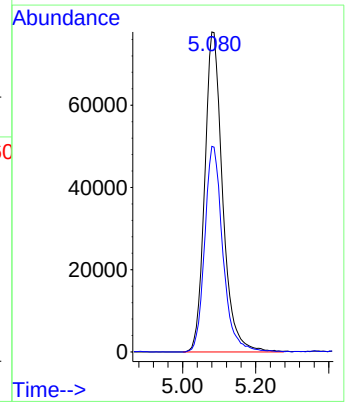


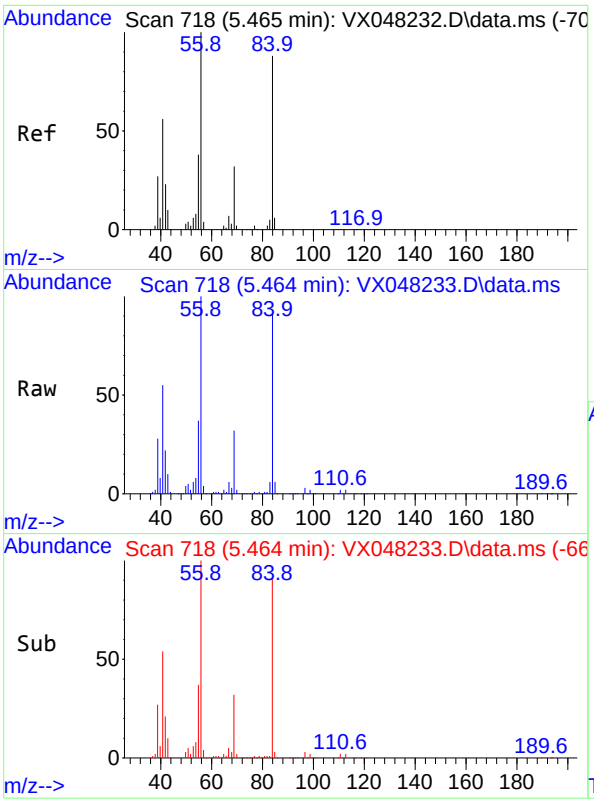




#30
Chloroform
Concen: 100.362 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 83 Resp: 264966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 50.1 | 75.1 |



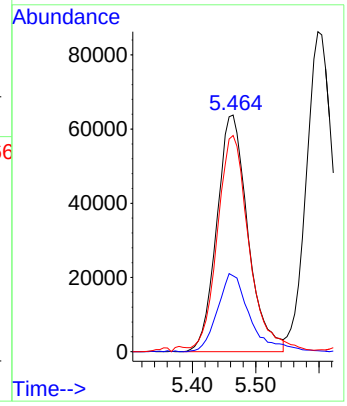


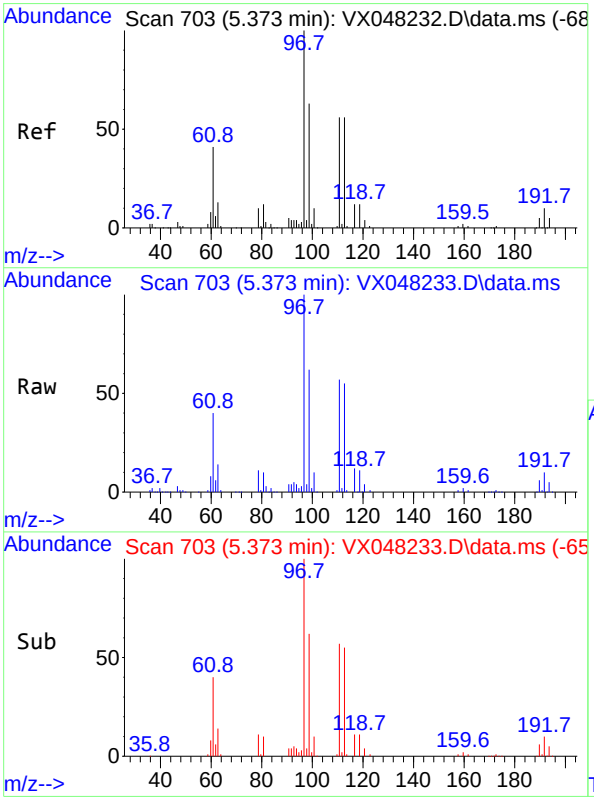

#31
Cyclohexane
Concen: 106.419 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 217717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.1 | 23.0 | 34.6 |
| 84 | 89.2 | 64.6 | 97.0 |

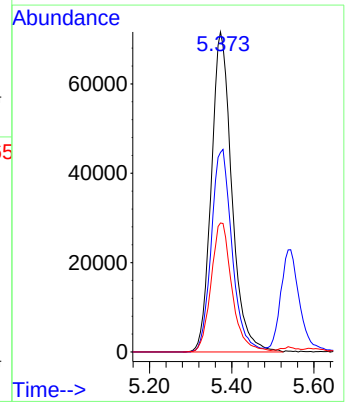


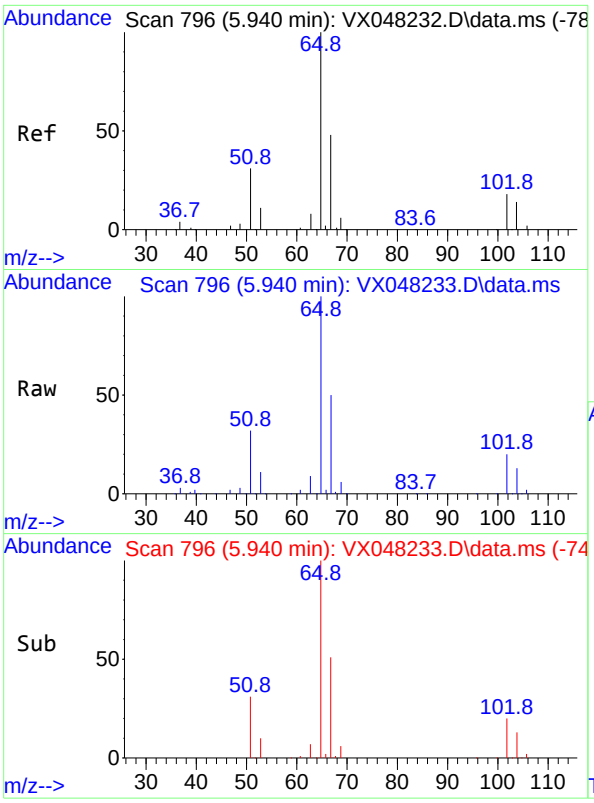




#32
1,1,1-Trichloroethane
Concen: 101.932 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 97 Resp: 248018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 51.7 | 77.5 |
| 61 | 41.2 | 34.8 | 52.2 |



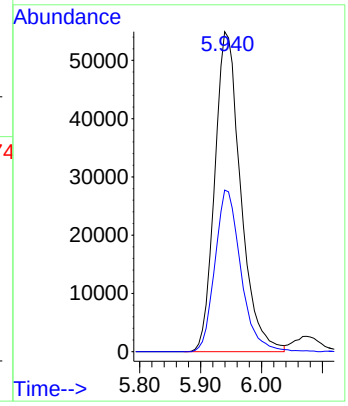


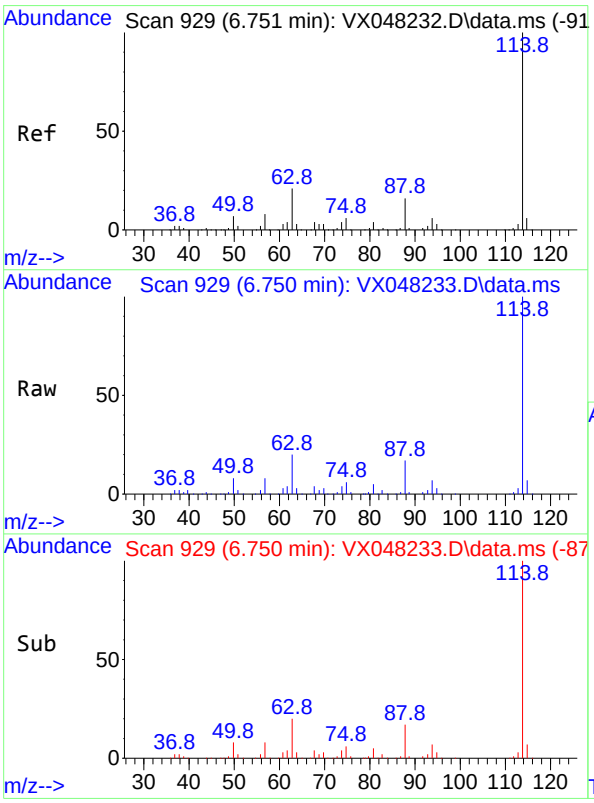

#33
1,2-Dichloroethane-d4
Concen: 98.406 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 65 Resp: 162188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 105.0 |

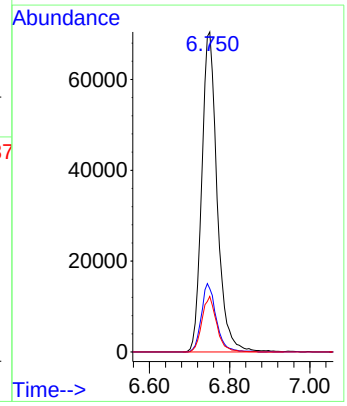


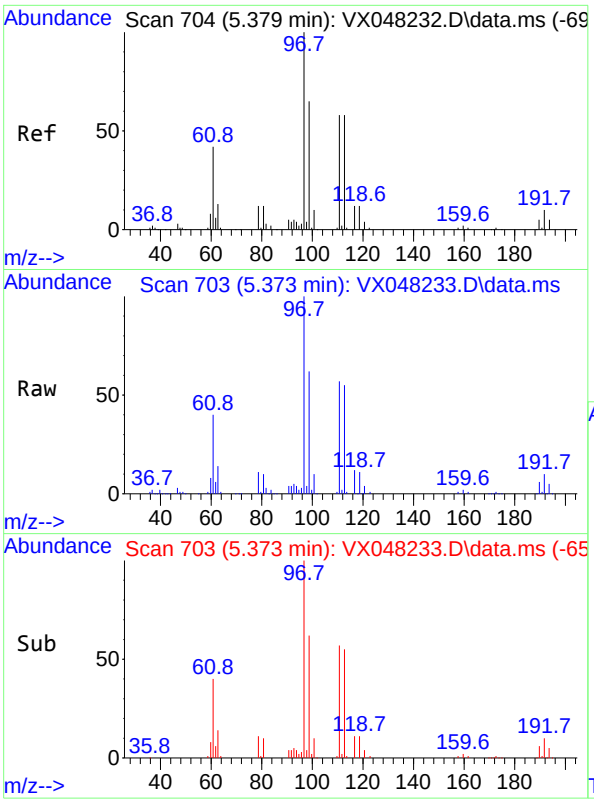




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. 0.005 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:114 Resp: 187766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.8 | 0.0 | 43.2 |
| 88 | 17.3 | 0.0 | 33.6 |



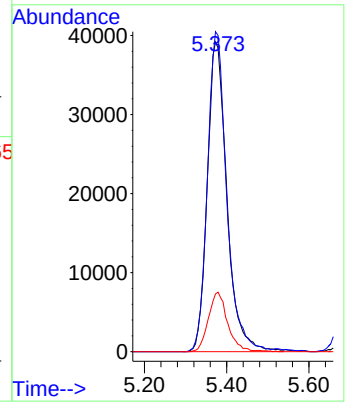


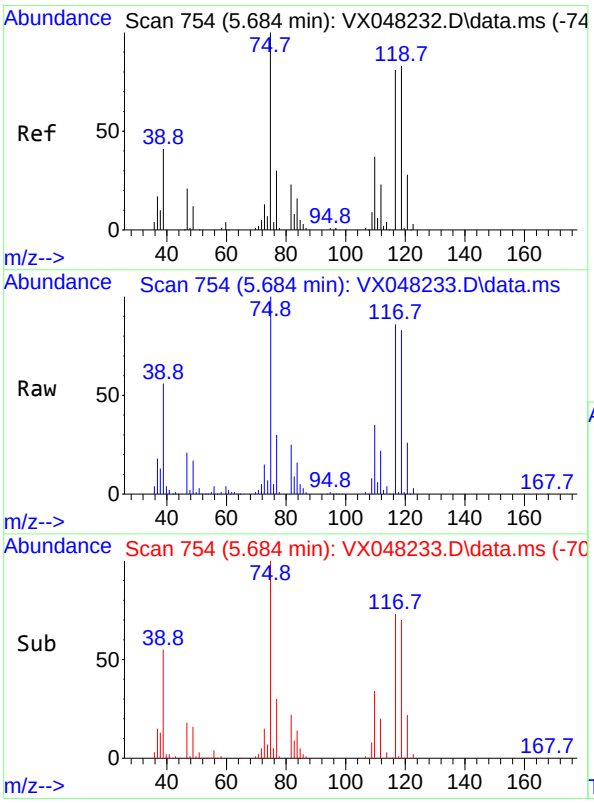

#35
Dibromofluoromethane
Concen: 101.351 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:113 Resp: 129919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.5 | 82.2 | 123.4 |
| 192 | 19.0 | 15.1 | 22.7 |

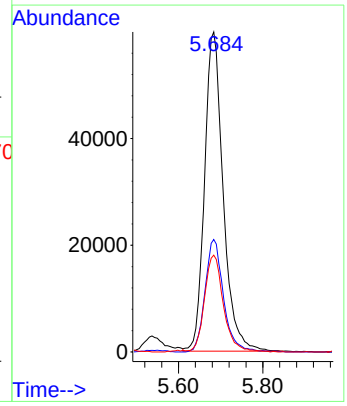


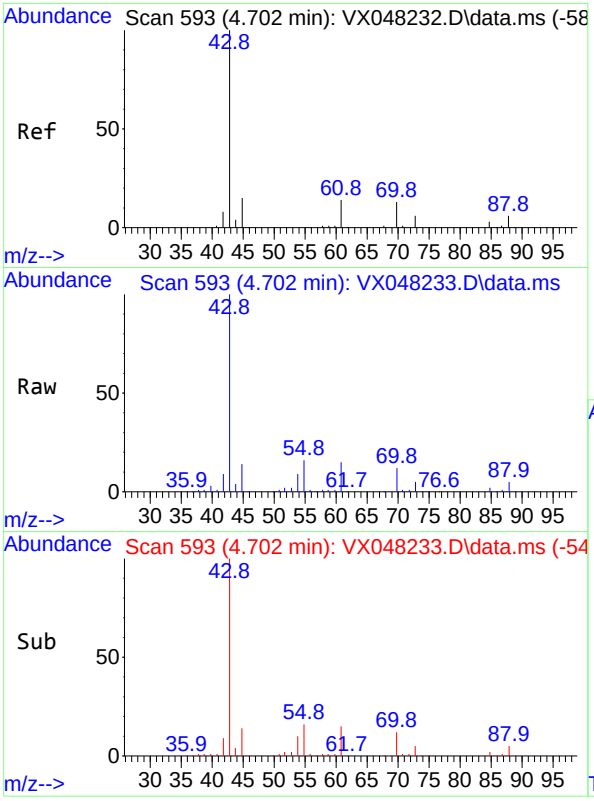




#36
1,1-Dichloropropene
Concen: 100.953 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 183932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.1 | 17.7 | 53.1 |
| 77 | 30.9 | 24.3 | 36.5 |



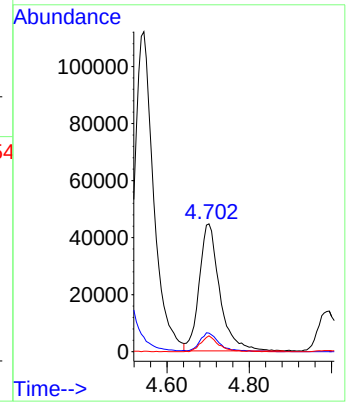


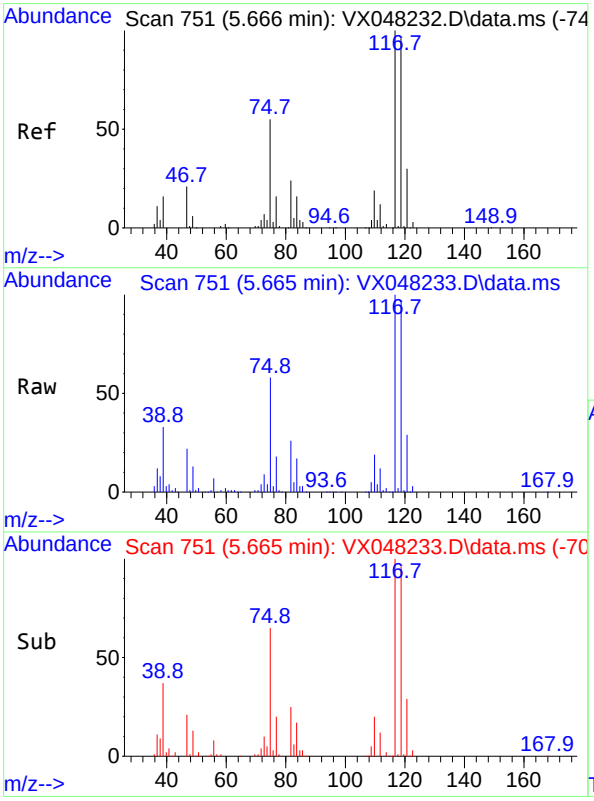

#37
Ethyl Acetate
Concen: 101.872 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 153844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.3 | 10.6 | 15.8 |
| 70 | 10.7 | 7.8 | 11.6 |

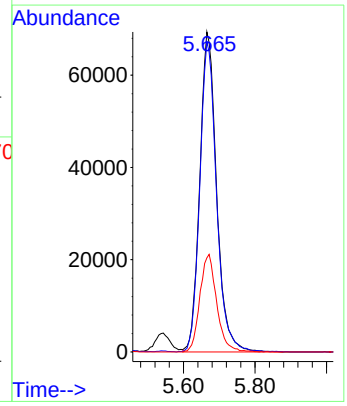


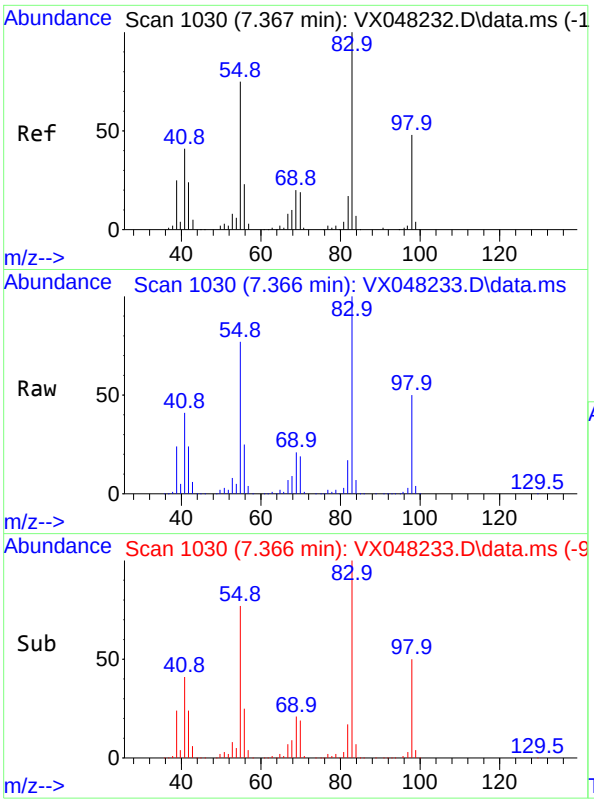




#38
Carbon Tetrachloride
Concen: 100.976 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:117 Resp: 226976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.9 | 77.2 | 115.8 |
| 121 | 29.4 | 24.8 | 37.2 |



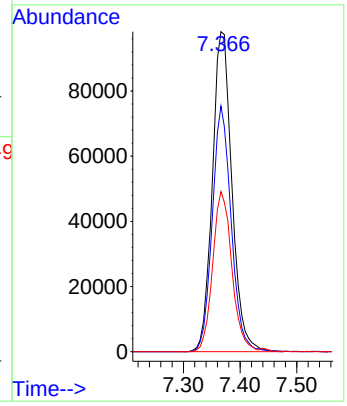


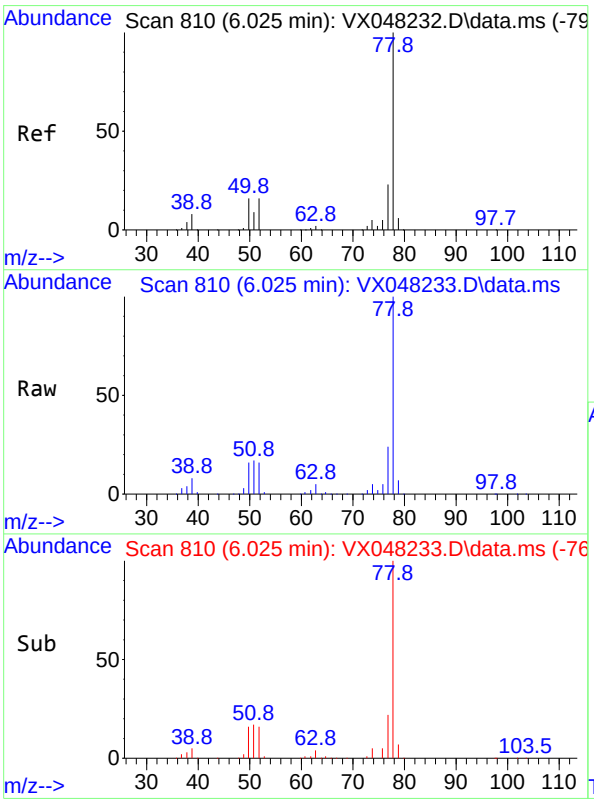

#39
Methylcyclohexane
Concen: 109.312 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 235208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.8 | 66.2 | 99.2 |
| 98 | 50.0 | 38.9 | 58.3 |

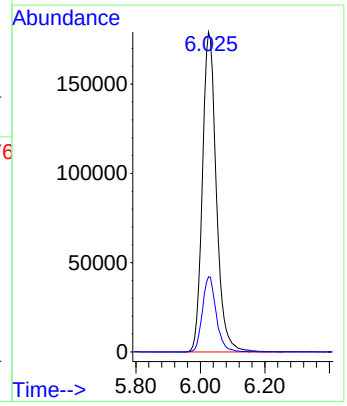


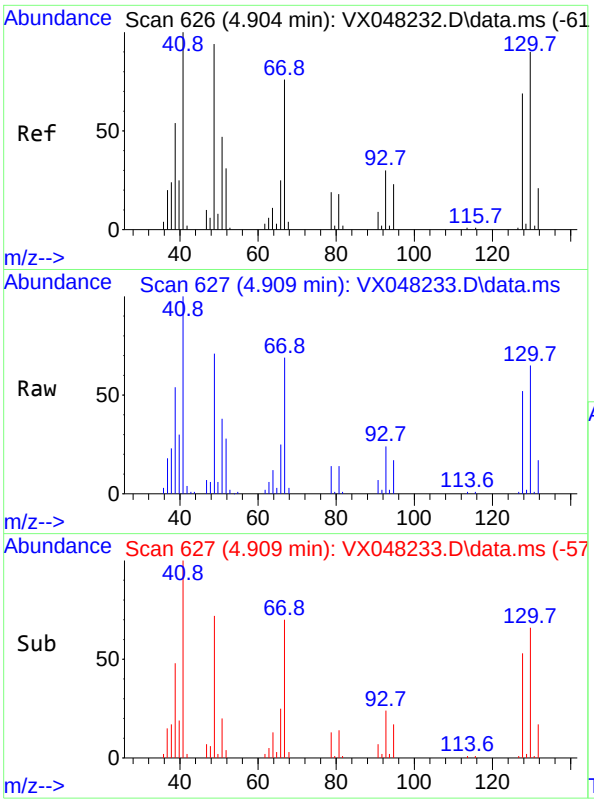




#40
Benzene
Concen: 101.216 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 78 Resp: 535407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 19.3 | 28.9 |



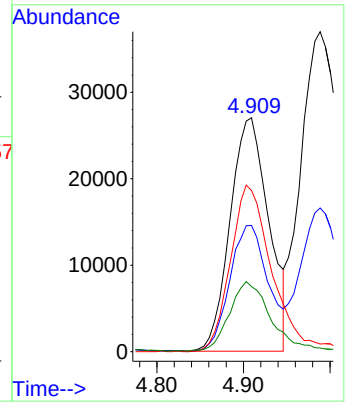


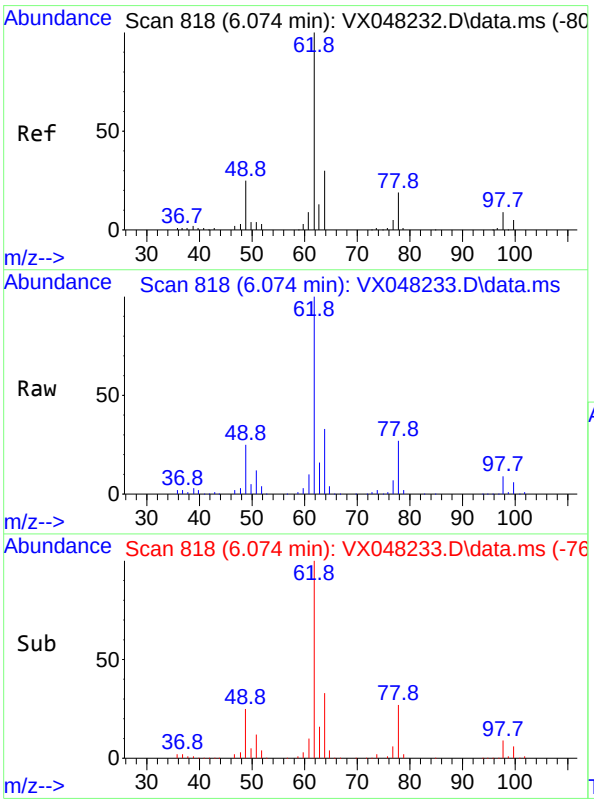

#41
Methacrylonitrile
Concen: 105.653 ug/l
RT: 4.909 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 41 Resp: 83790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.4 | 44.0 | 66.0 |
| 67 | 77.7 | 58.7 | 88.1 |
| 52 | 32.3 | 25.9 | 38.9 |

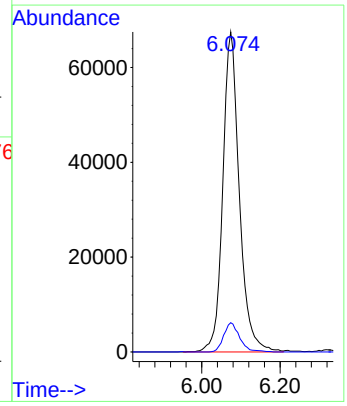


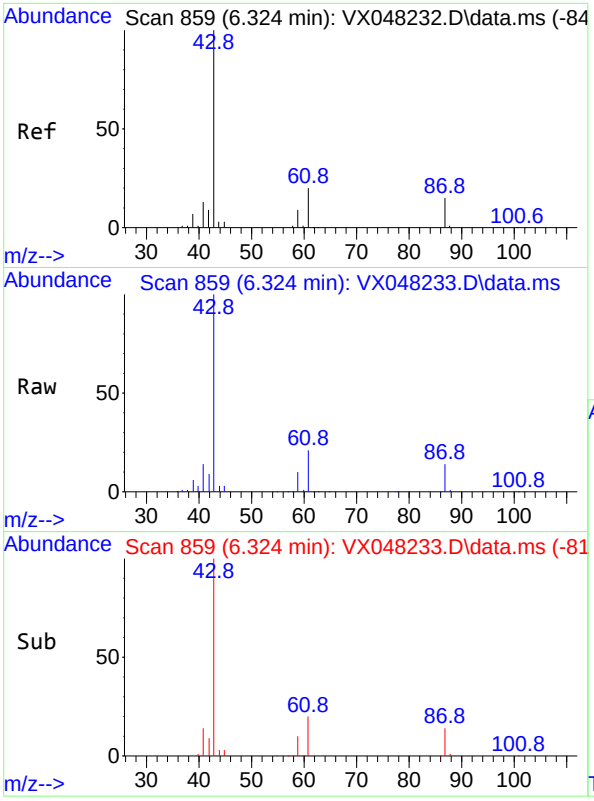




#42
1,2-Dichloroethane
Concen: 101.616 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 62 Resp: 198348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.8 | 0.0 | 17.2 |



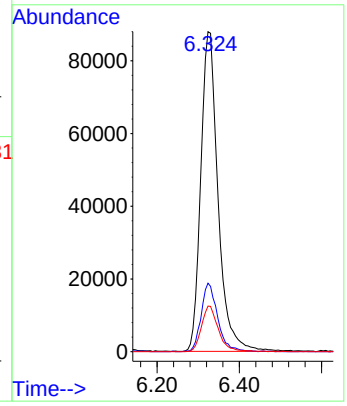


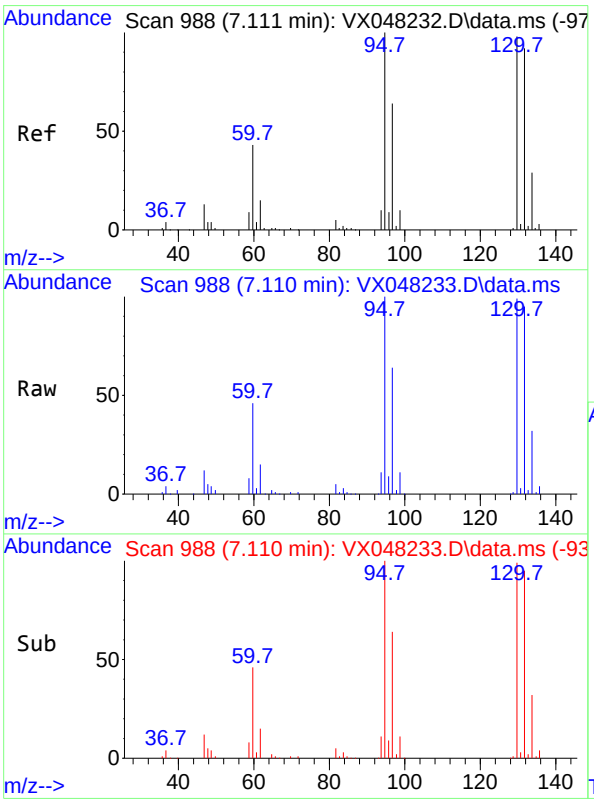

#43
Isopropyl Acetate
Concen: 103.227 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 256067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.5 | 14.9 | 22.3 |
| 87 | 14.0 | 9.4 | 14.2 |

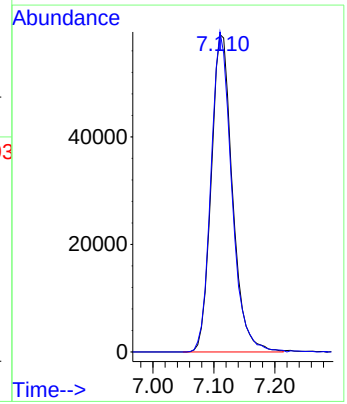


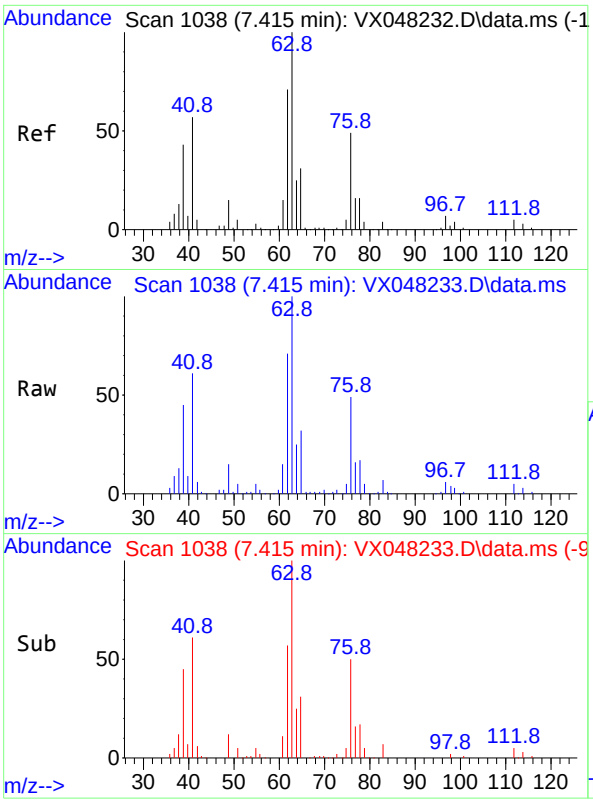




#44
Trichloroethene
Concen: 102.221 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:130 Resp: 142779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.8 | 0.0 | 200.6 |



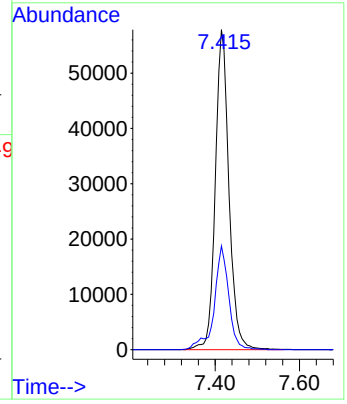


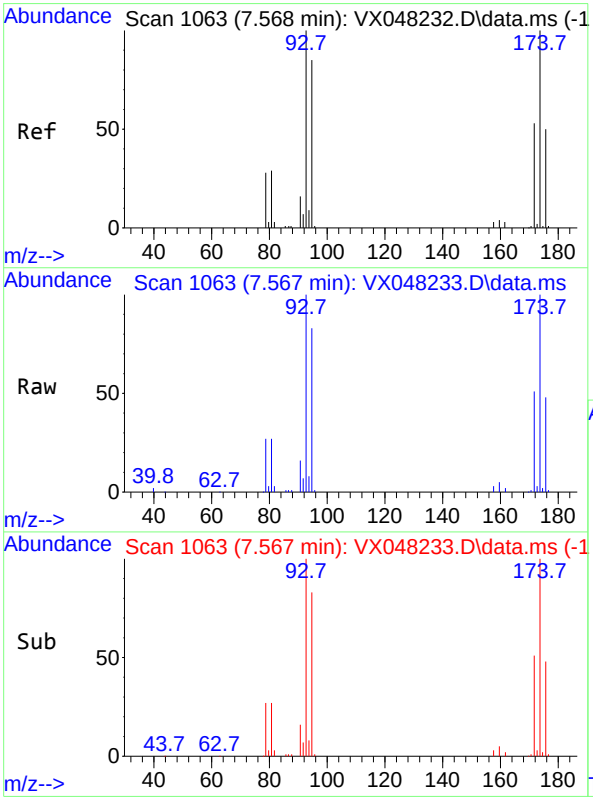

#45
1,2-Dichloropropane
Concen: 103.516 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 63 Resp: 130188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.4 | 24.1 | 36.1 |

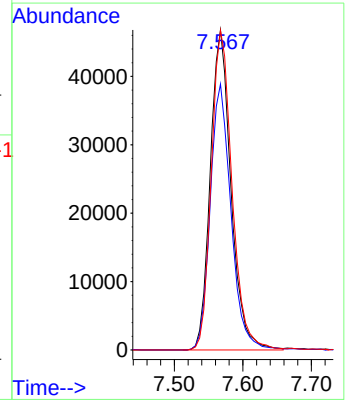


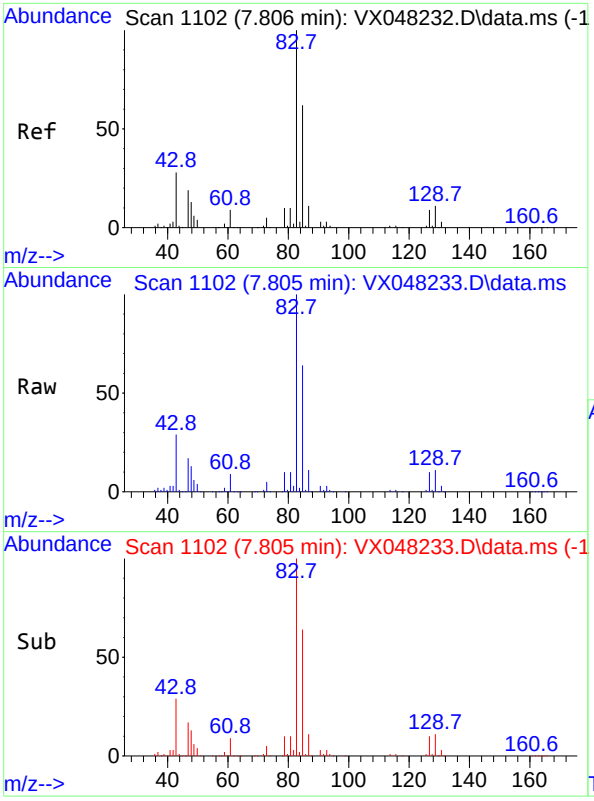




#46
Dibromomethane
Concen: 100.126 ug/l
RT: 7.567 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 93 Resp: 98105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.4 | 65.9 | 98.9 |
| 174 | 100.3 | 71.7 | 107.5 |



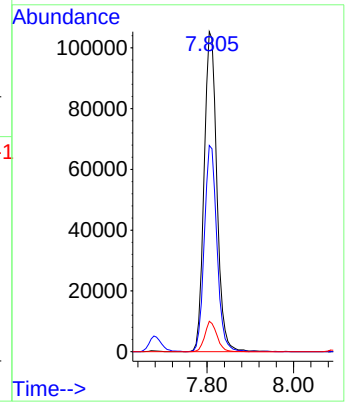


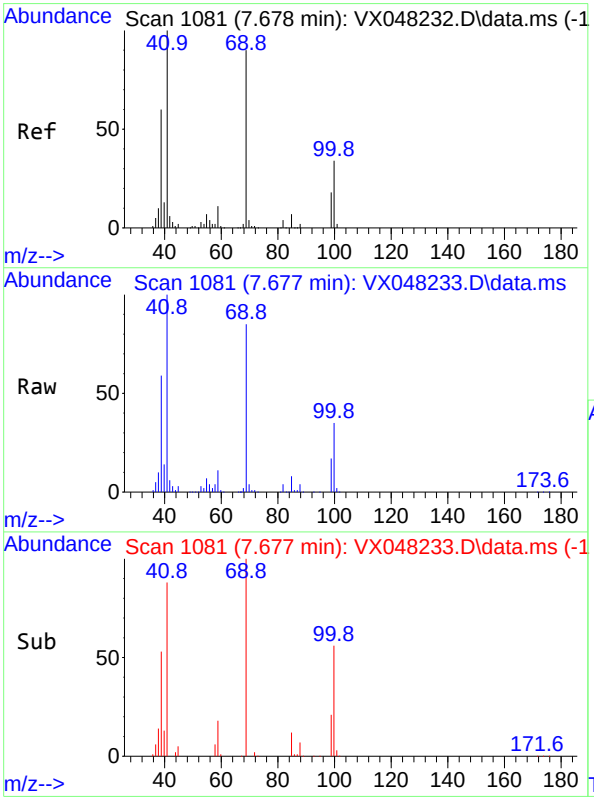

#47
Bromodichloromethane
Concen: 101.770 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 215302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.4 | 52.2 | 78.4 |
| 127 | 9.5 | 7.3 | 10.9 |

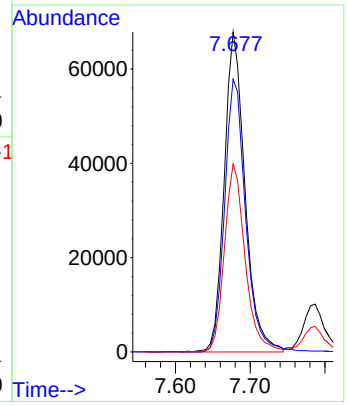


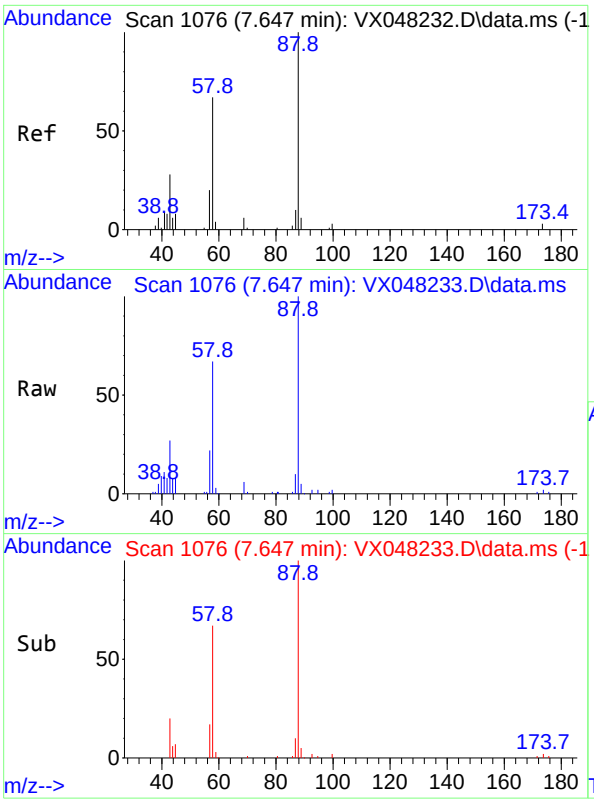




#48
Methyl methacrylate
Concen: 105.017 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 41 Resp: 131454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.8 | 63.4 | 95.0 |
| 39 | 58.7 | 47.1 | 70.7 |



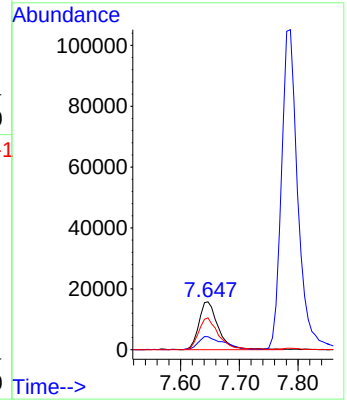


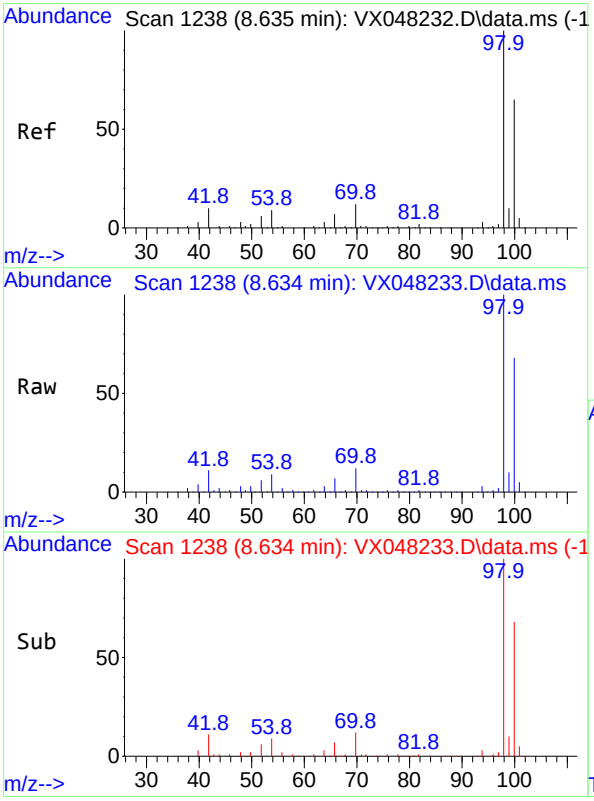

#49
1,4-Dioxane
Concen: 2175.223 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 88 Resp: 35972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.6 | 35.0 | 52.4 |
| 58 | 68.4 | 61.9 | 92.9 |

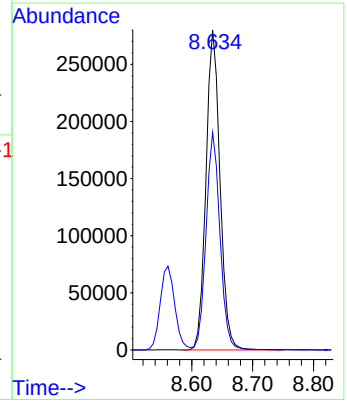


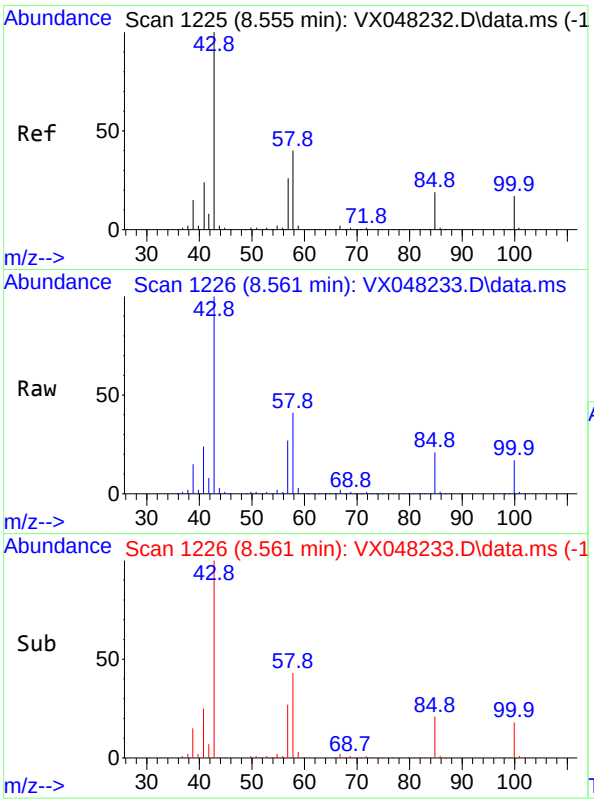




#50
Toluene-d8
Concen: 99.920 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 98 Resp: 448948

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



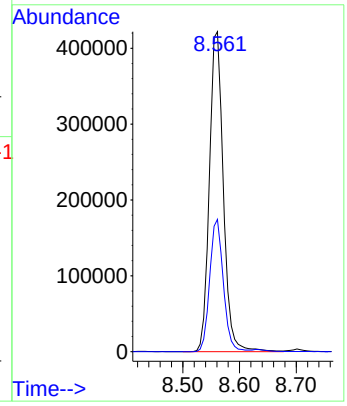


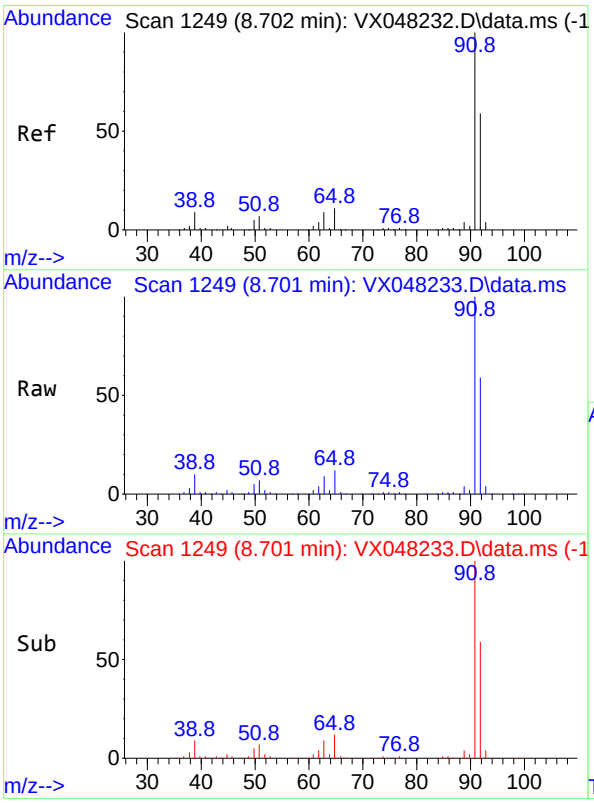

#51
4-Methyl-2-Pentanone
Concen: 504.097 ug/l
RT: 8.561 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 720980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.4 | 29.5 | 44.3 |

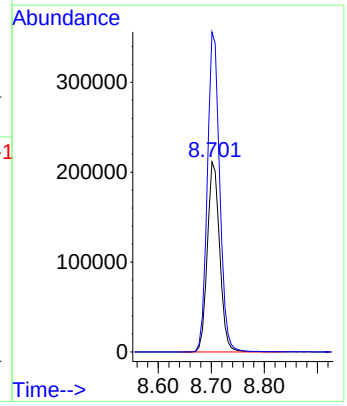


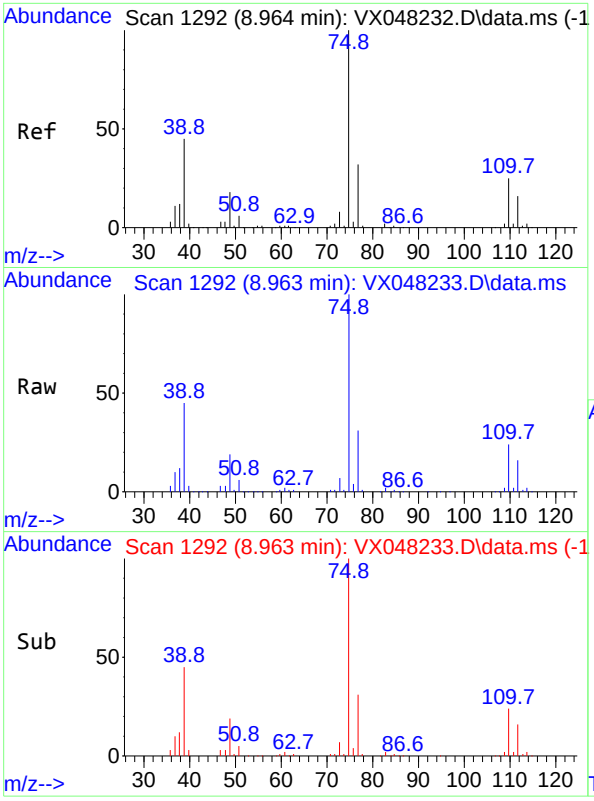




#52
Toluene
Concen: 101.651 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 92 Resp: 341597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.2 | 136.1 | 204.1 |



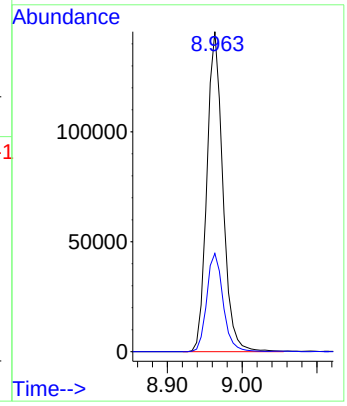


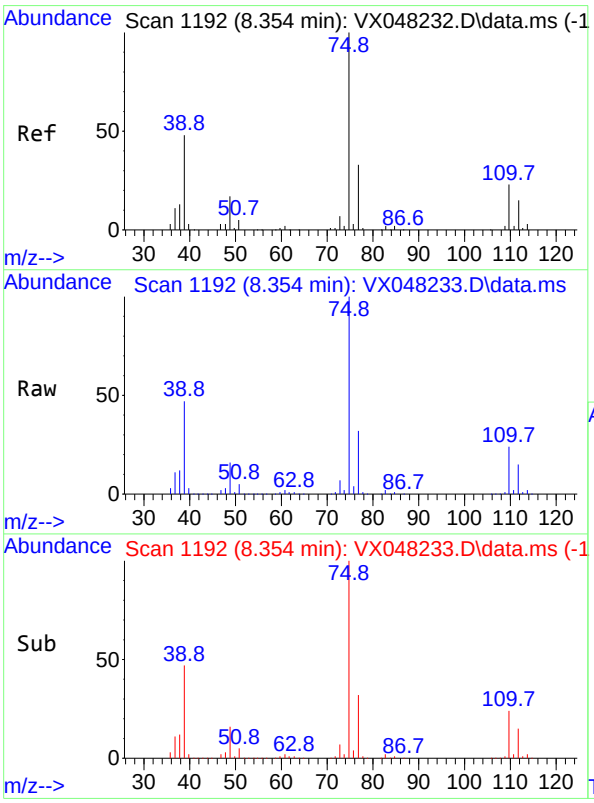

#53
t-1,3-Dichloropropene
Concen: 105.820 ug/l
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 215736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 25.0 | 37.6 |

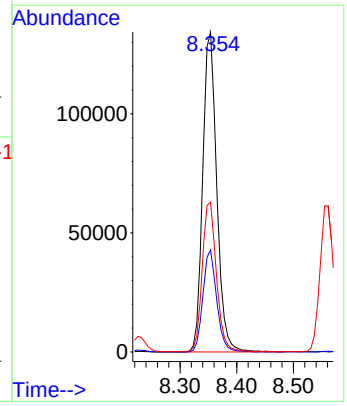


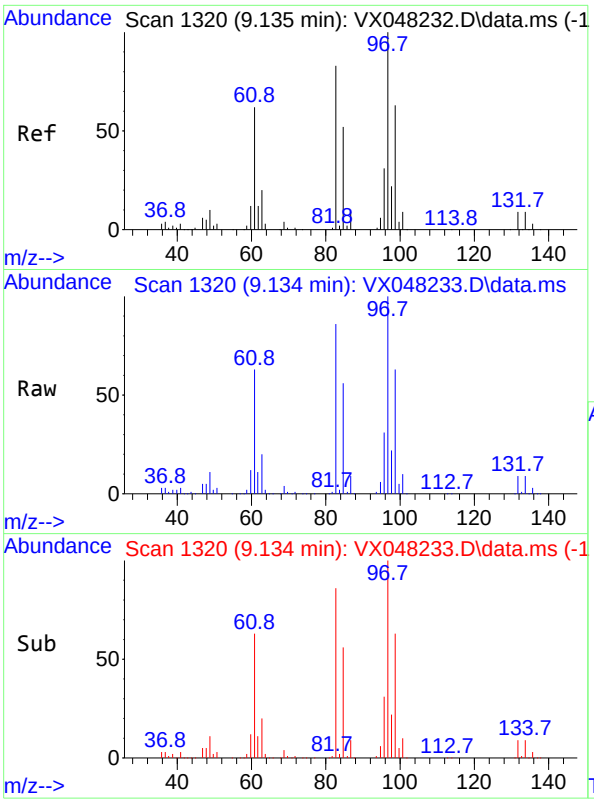




#54
cis-1,3-Dichloropropene
Concen: 105.038 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 231037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 24.9 | 37.3 |
| 39 | 46.7 | 42.6 | 64.0 |



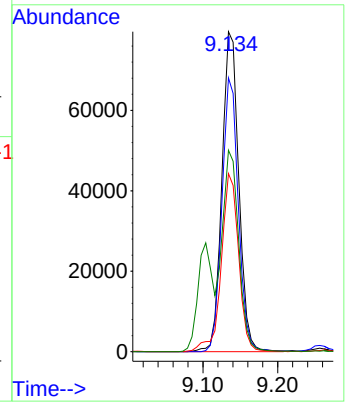


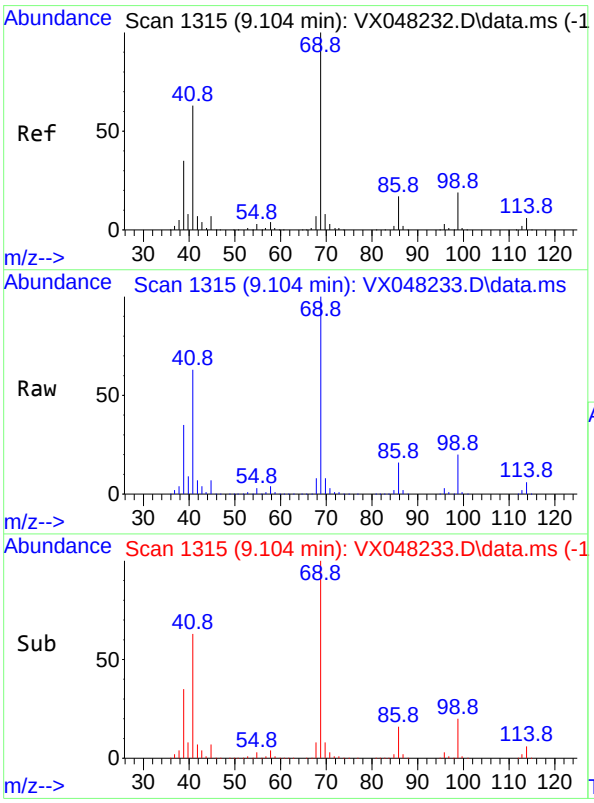

#55
1,1,2-Trichloroethane
Concen: 99.952 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 97 Resp: 124910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.5 | 70.6 | 105.8 |
| 85 | 55.7 | 45.0 | 67.6 |
| 99 | 62.8 | 50.9 | 76.3 |

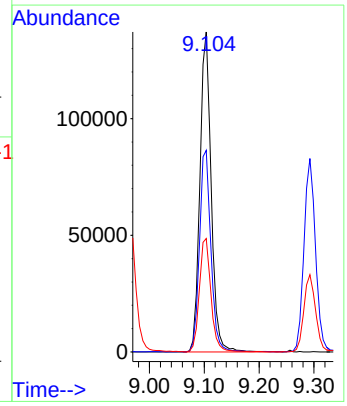


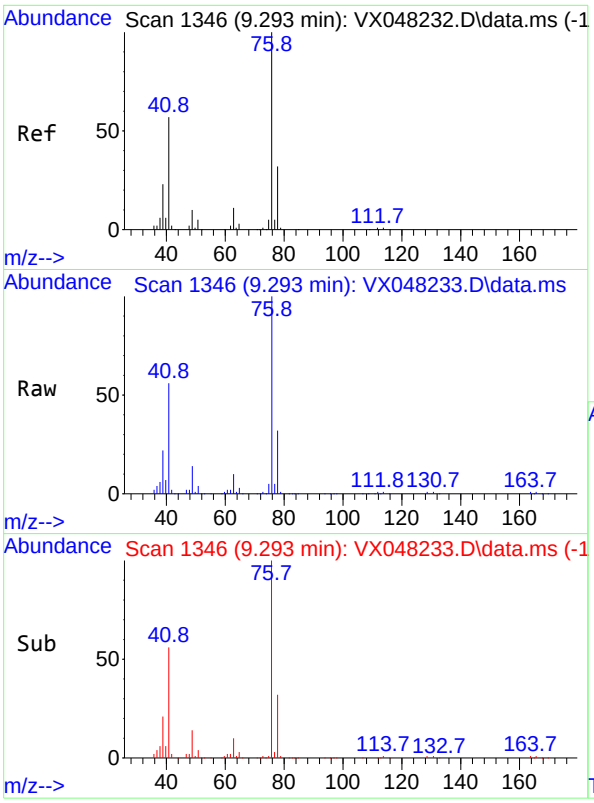




#56
Ethyl methacrylate
Concen: 107.610 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 69 Resp: 196699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.0 | 56.0 | 84.0 |
| 39 | 36.7 | 31.6 | 47.4 |



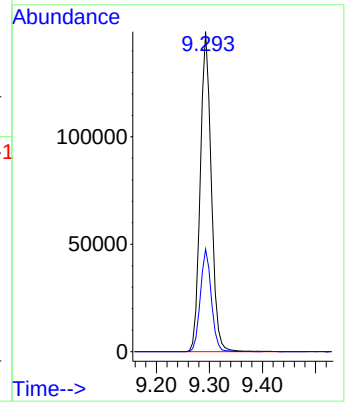


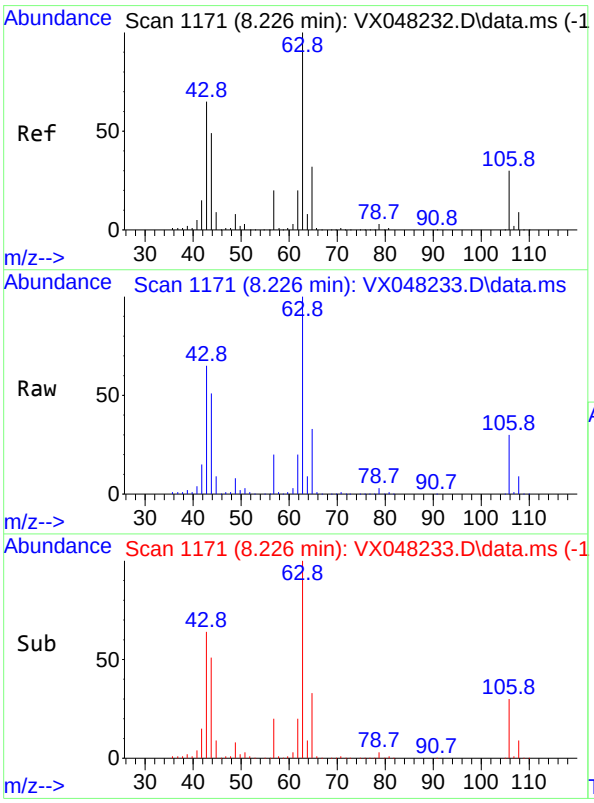

#57
1,3-Dichloropropane
Concen: 100.650 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 214853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.9 | 25.4 | 38.0 |

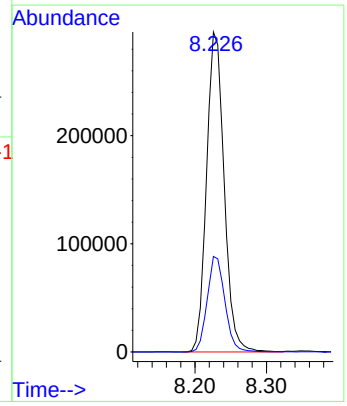


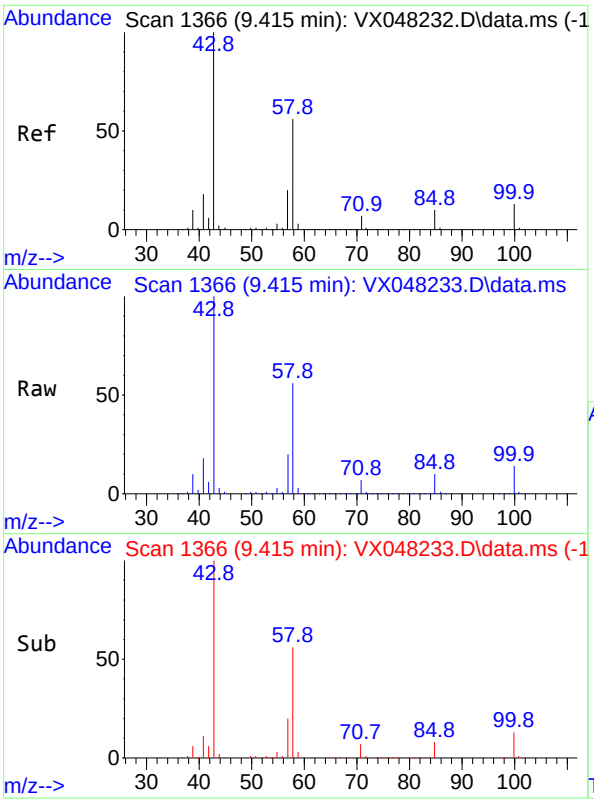




#58
2-Chloroethyl Vinyl ether
Concen: 512.470 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 63 Resp: 505448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.0 | 22.2 | 33.2 |



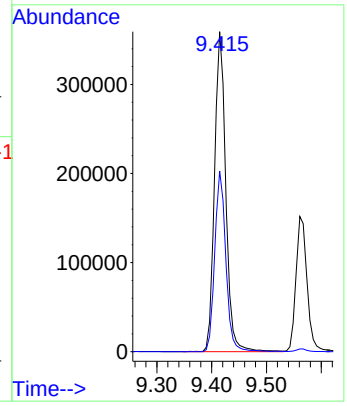


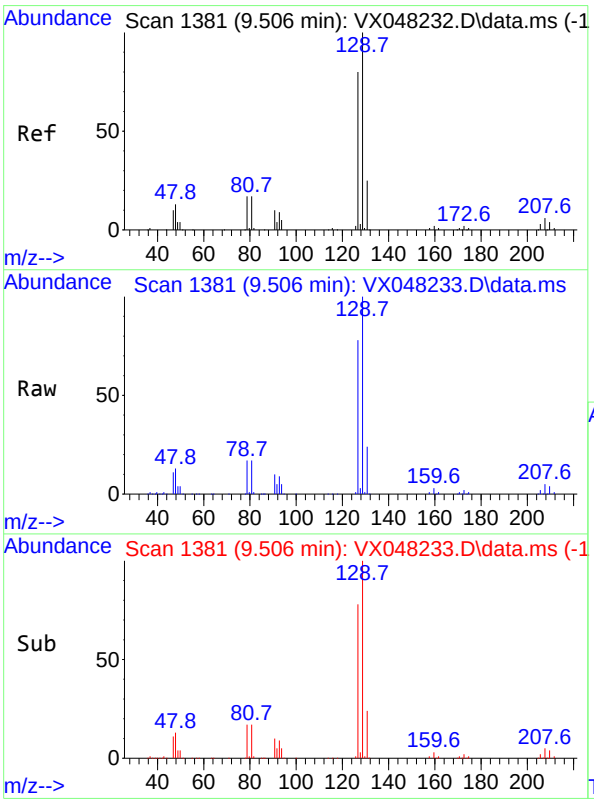

#59
2-Hexanone
Concen: 510.781 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 509398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.8 | 26.3 | 78.8 |

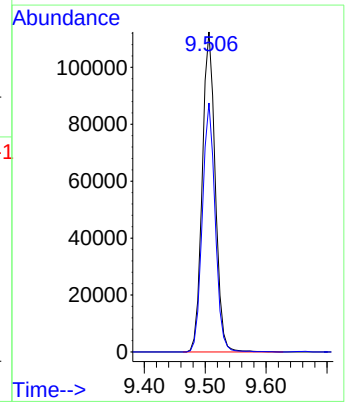


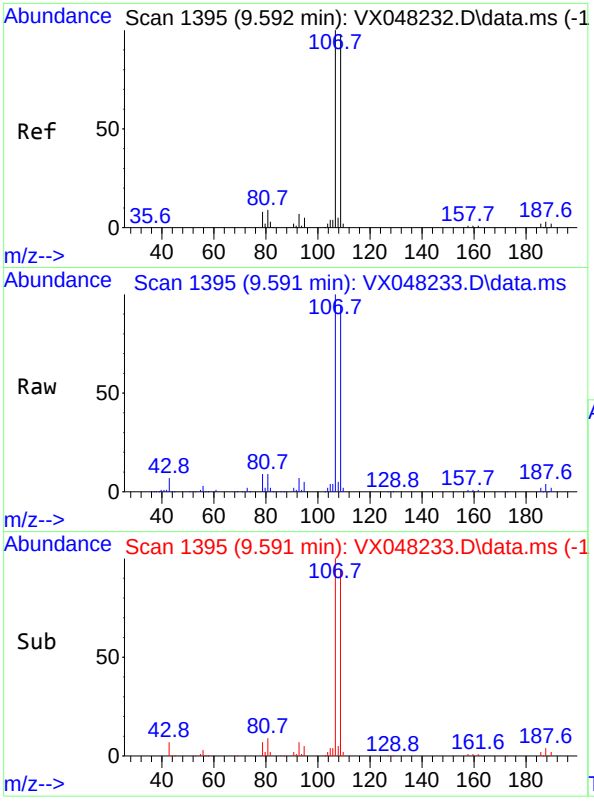




#60
Dibromochloromethane
Concen: 98.928 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:129 Resp: 166167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.9 | 38.6 | 115.7 |



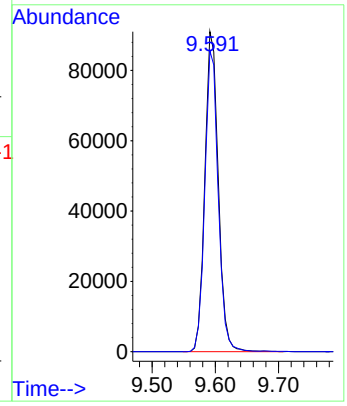


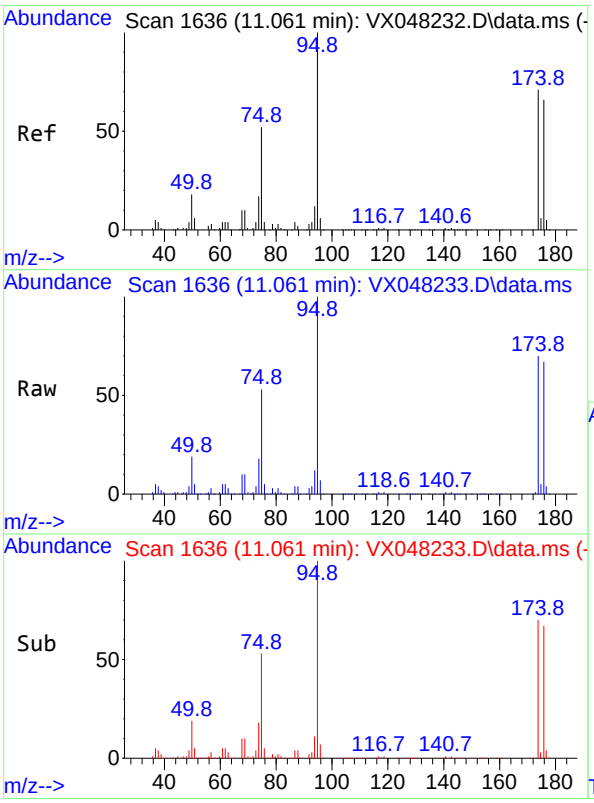

#61
1,2-Dibromoethane
Concen: 101.077 ug/l
RT: 9.591 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:107 Resp: 134662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 77.0 | 115.4 |

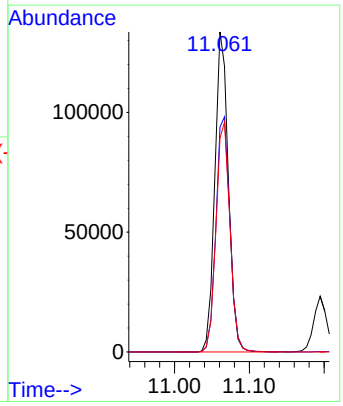


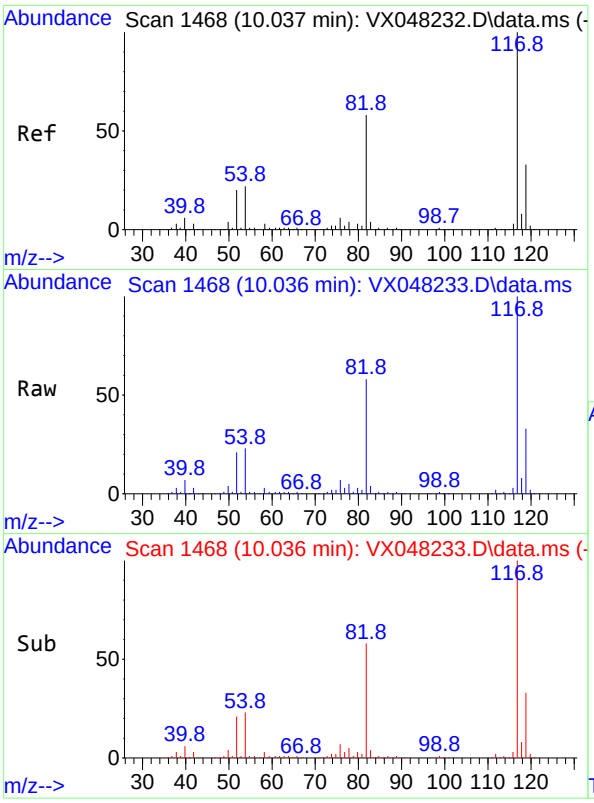




#62
4-Bromofluorobenzene
Concen: 98.032 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 95 Resp: 167565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.3 | 0.0 | 147.8 |
| 176 | 74.1 | 0.0 | 142.8 |



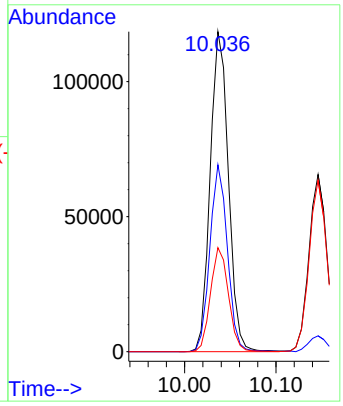


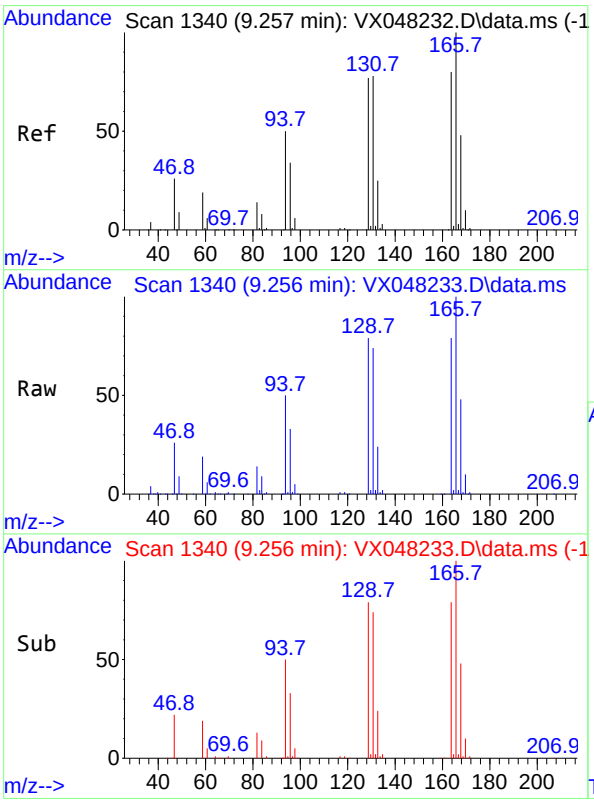

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:117 Resp: 163588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.4 | 46.5 | 69.7 |
| 119 | 32.5 | 25.9 | 38.9 |

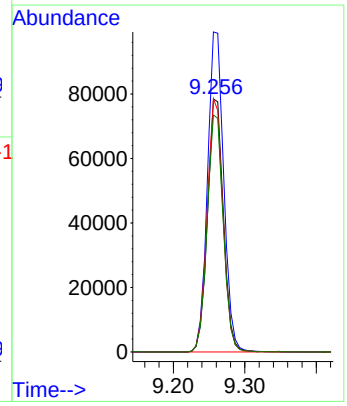


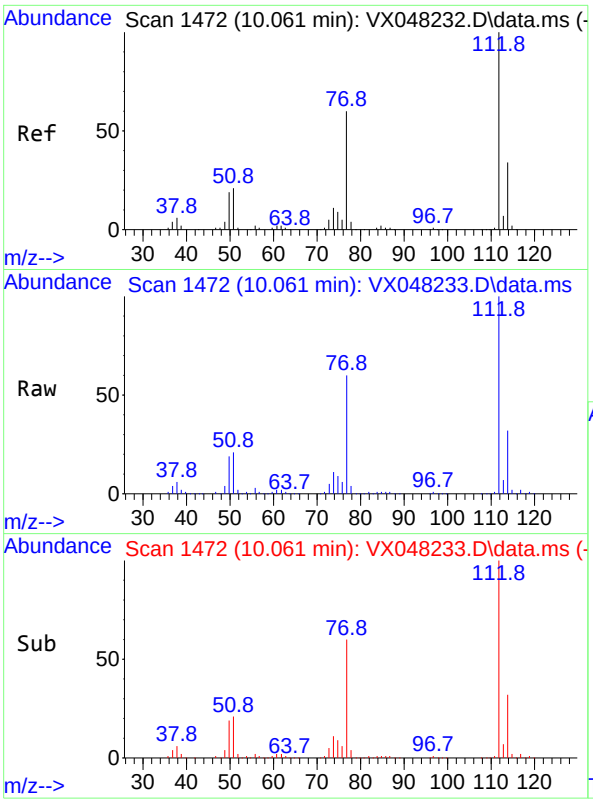




#64
Tetrachloroethene
Concen: 99.215 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:164 Resp: 121163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.5 | 104.5 | 156.7 |
| 129 | 100.1 | 81.8 | 122.6 |
| 131 | 93.6 | 77.0 | 115.6 |



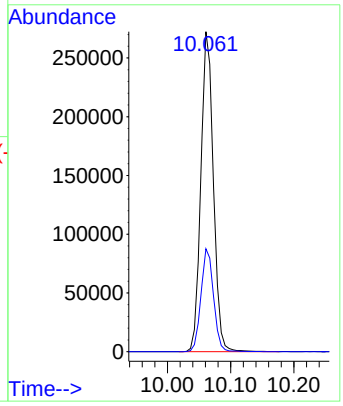


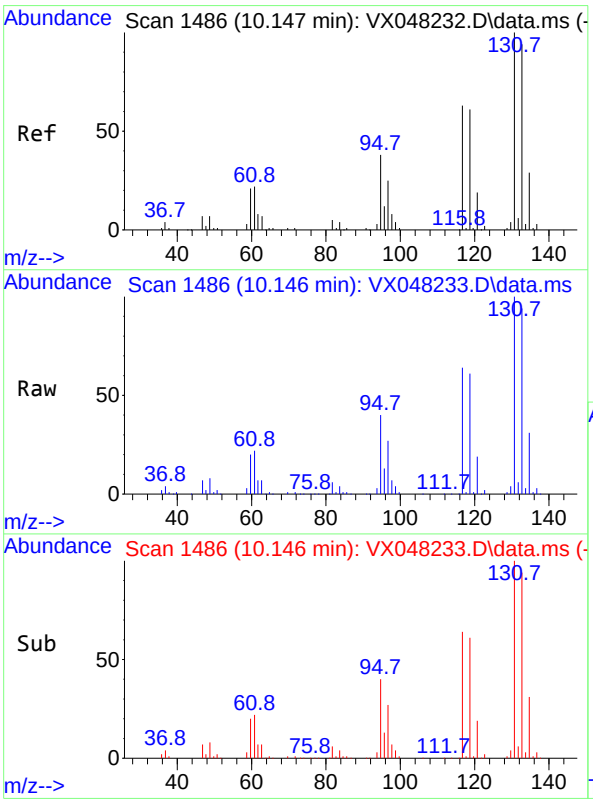

#65
Chlorobenzene
Concen: 102.048 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:112 Resp: 375532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 26.2 | 39.2 |

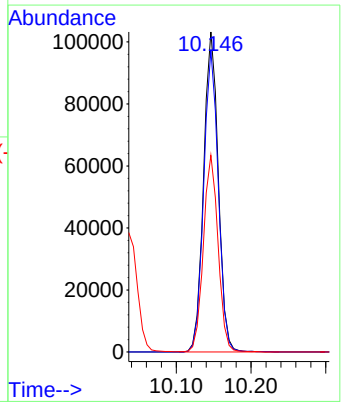


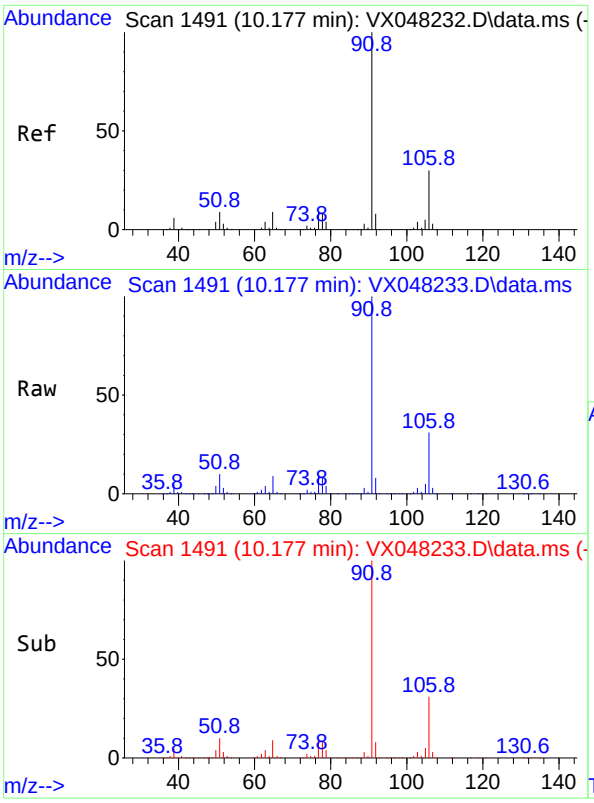




#66
1,1,1,2-Tetrachloroethane
Concen: 104.022 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:131 Resp: 140599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.7 | 47.6 | 142.8 |
| 119 | 61.6 | 32.5 | 97.5 |



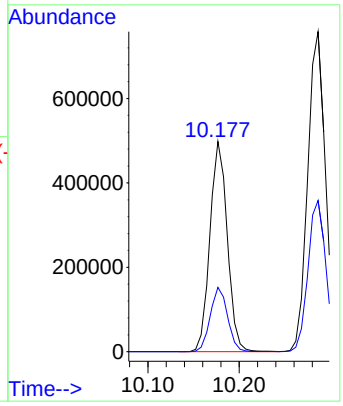


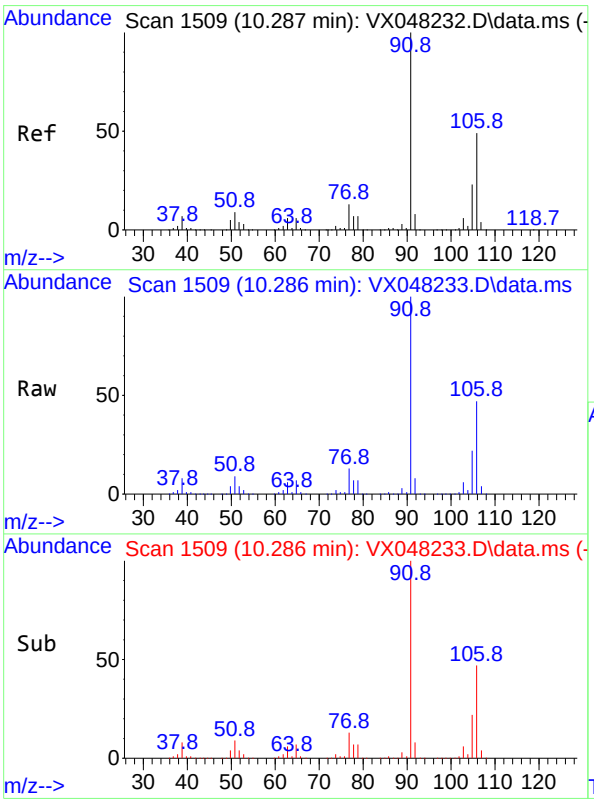

#67
Ethyl Benzene
Concen: 104.850 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 656925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.8 | 35.6 |

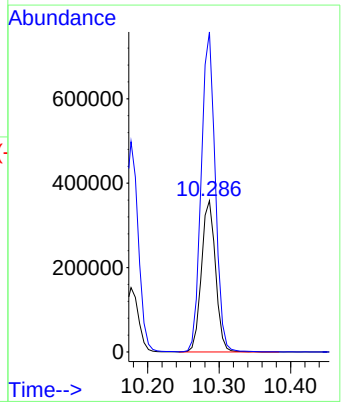


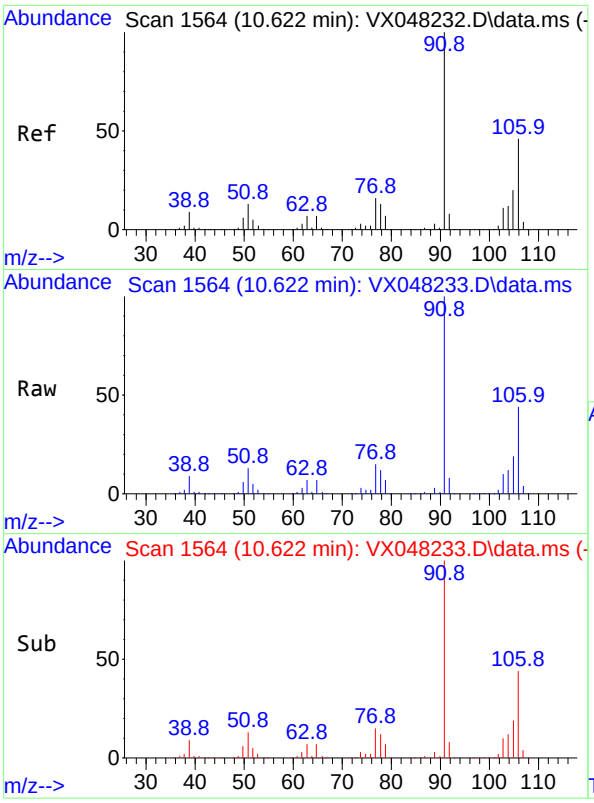




#68
m/p-Xylenes
Concen: 210.869 ug/l
RT: 10.286 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:106 Resp: 490879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.5 | 167.9 | 251.9 |



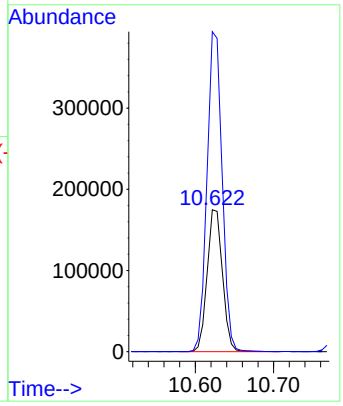


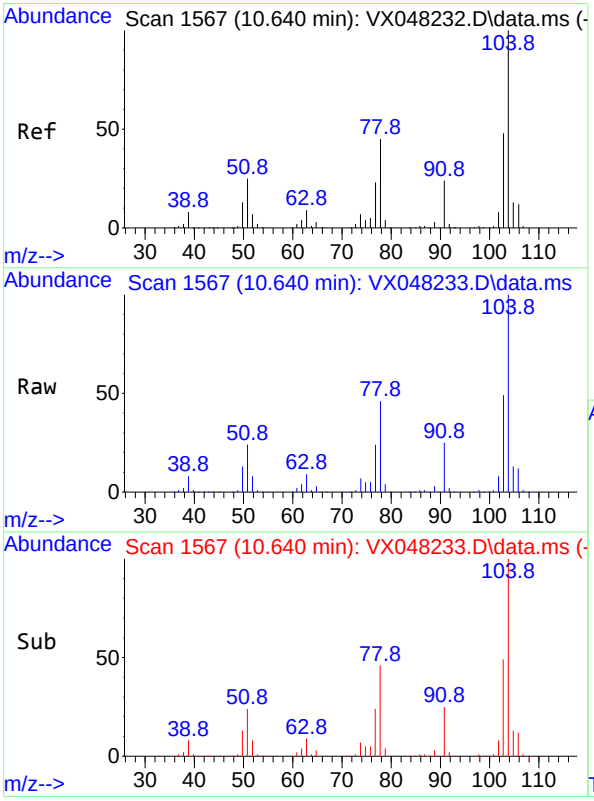

#69
o-Xylene
Concen: 105.297 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:106 Resp: 236648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.9 | 111.3 | 333.9 |

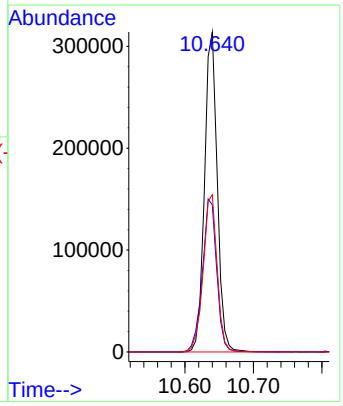


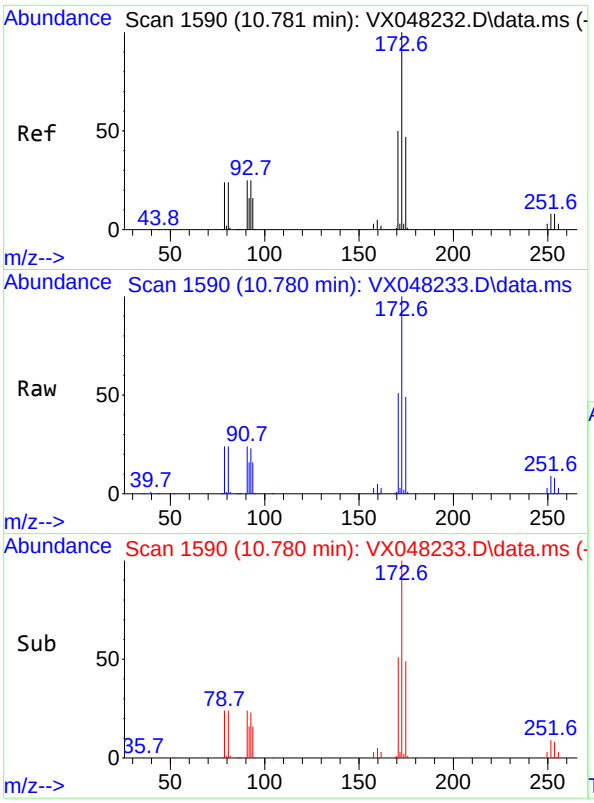




#70
Styrene
Concen: 106.594 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:104 Resp: 407916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.6 | 42.2 | 63.4 |
| 103 | 54.0 | 43.0 | 64.4 |



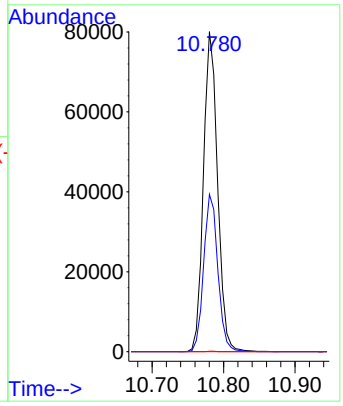


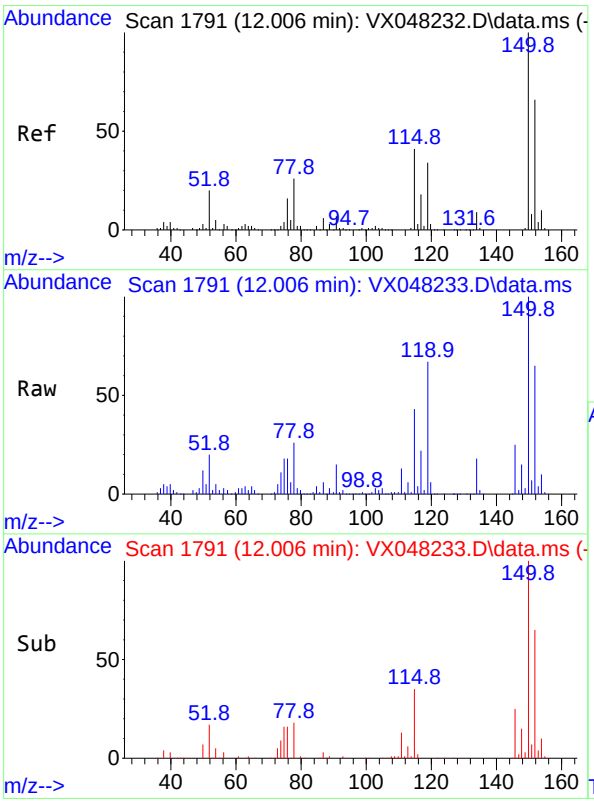

#71
Bromoform
Concen: 101.467 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:173 Resp: 109613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.4 | 24.0 | 72.0 |
| 254 | 0.1 | 0.0 | 0.0# |

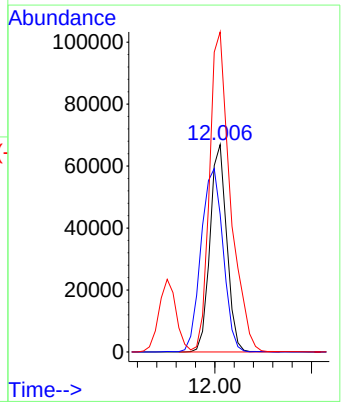


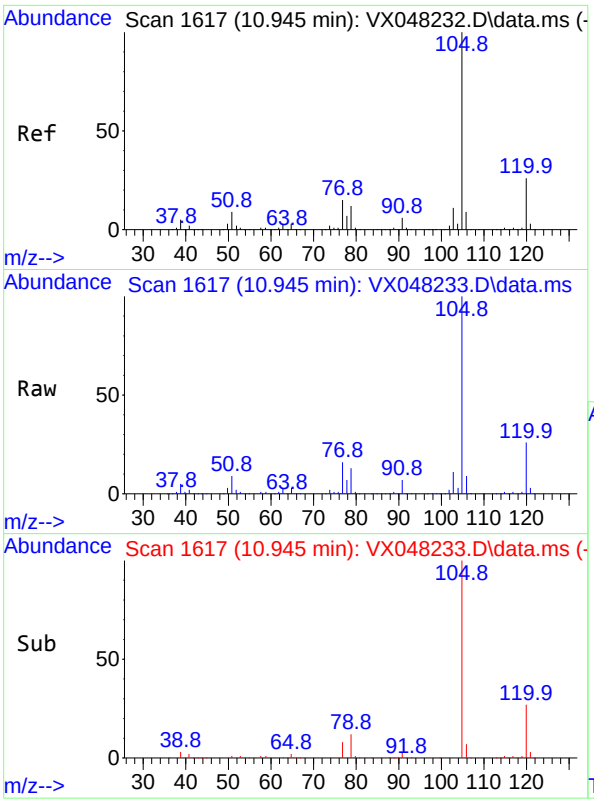




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:152 Resp: 80621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 116.4 | 43.1 | 129.4 |
| 150 | 192.6 | 0.0 | 353.0 |



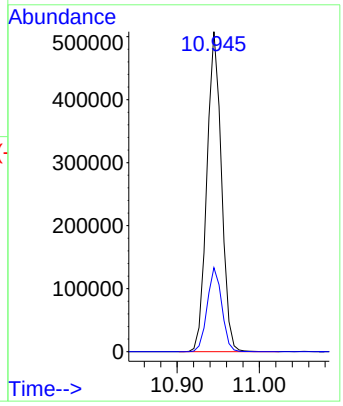


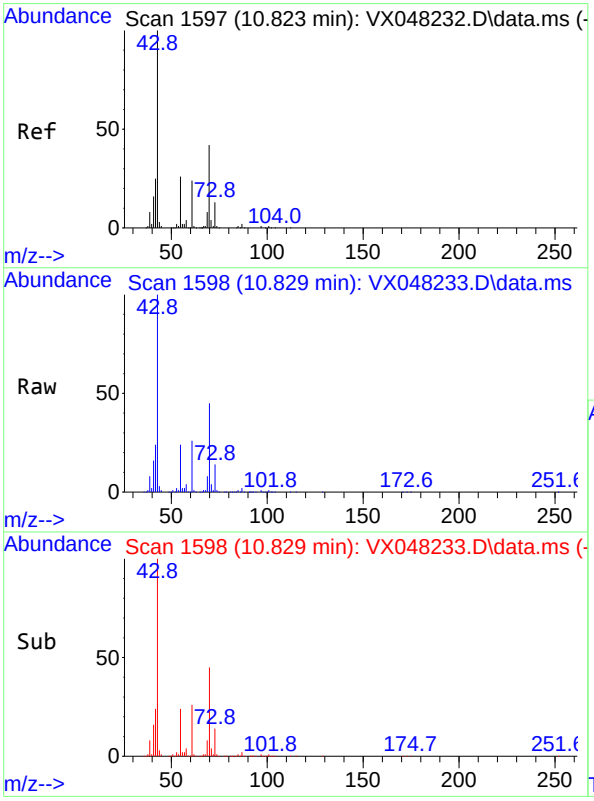

#73
Isopropylbenzene
Concen: 106.098 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 624767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.0 | 38.9 |

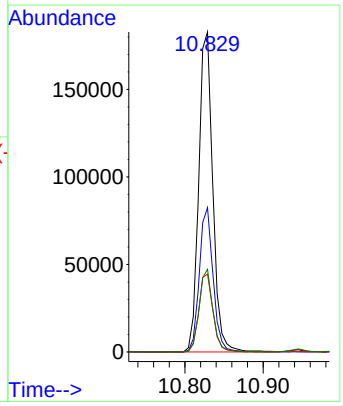


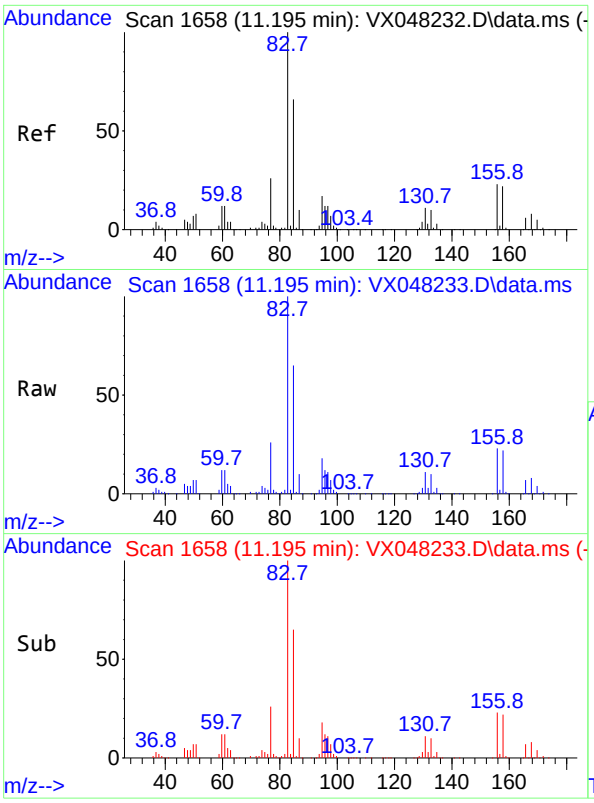




#74
N-amyl acetate
Concen: 109.195 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 228080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.4 | 32.2 | 48.2 |
| 55 | 24.8 | 19.1 | 28.7 |
| 61 | 25.0 | 18.6 | 28.0 |



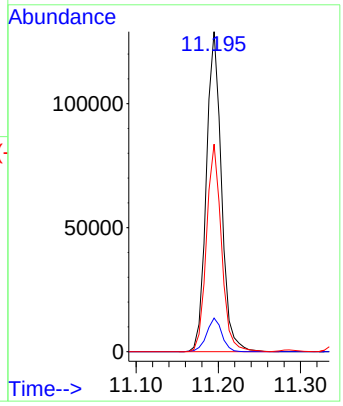


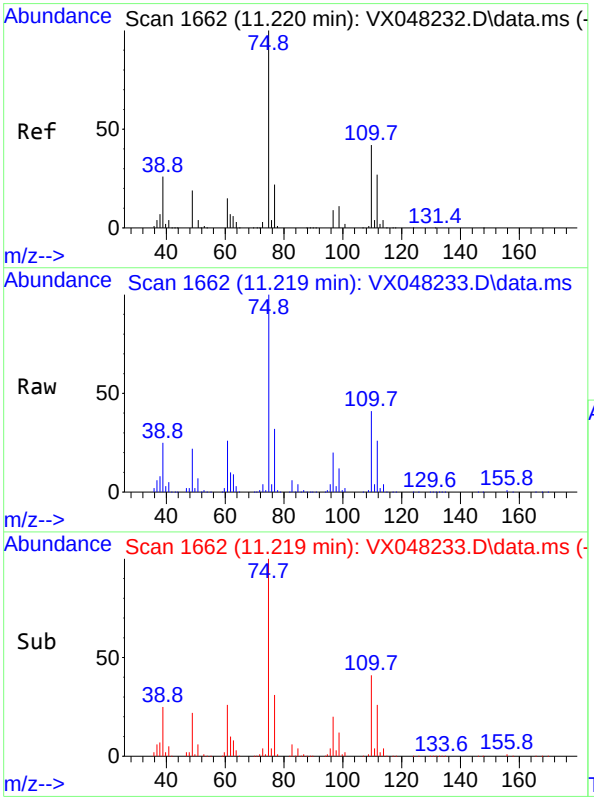

#75
1,1,2,2-Tetrachloroethane
Concen: 102.114 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 164207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.6 | 4.8 | 14.4 |
| 85 | 64.4 | 31.9 | 95.7 |

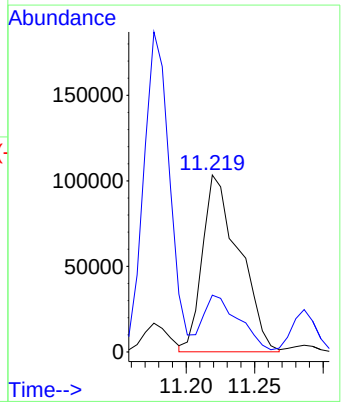


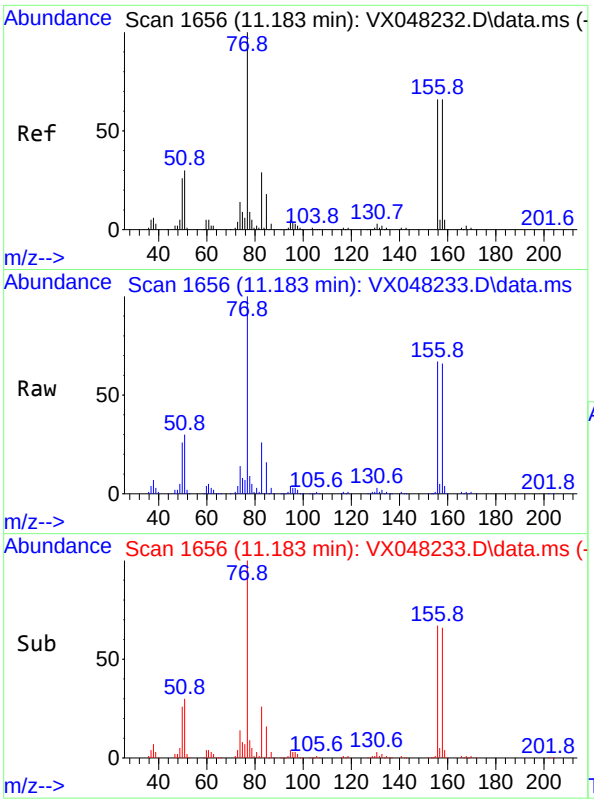




#76
1,2,3-Trichloropropane
Concen: 147.394 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 192703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.5 | 22.4 | 67.2 |



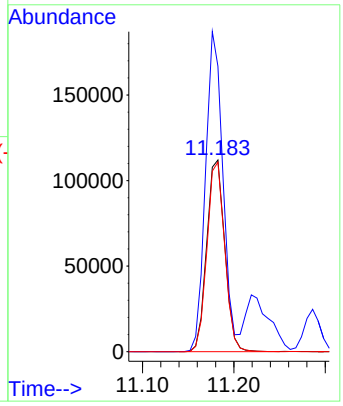


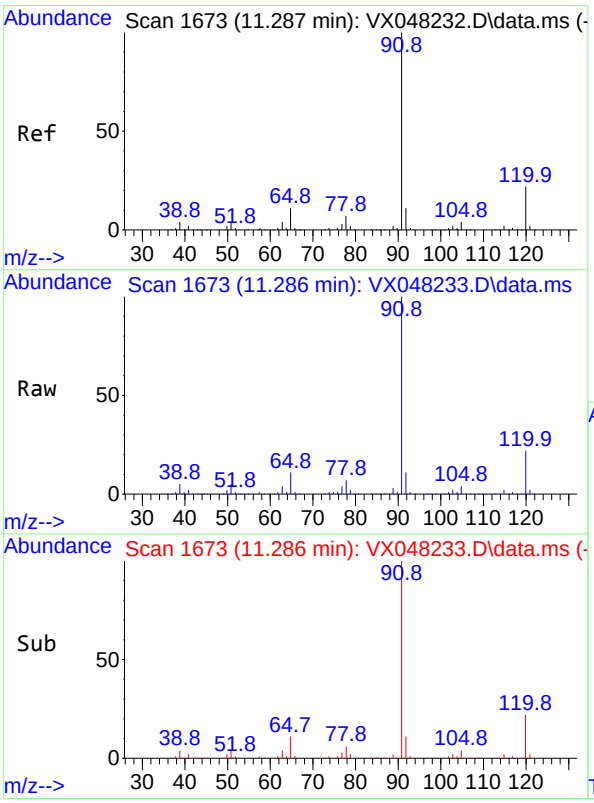

#77
Bromobenzene
Concen: 104.042 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:156 Resp: 153619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 159.4 | 87.0 | 261.0 |
| 158 | 96.9 | 47.8 | 143.4 |

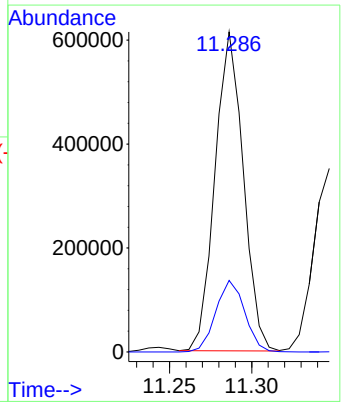


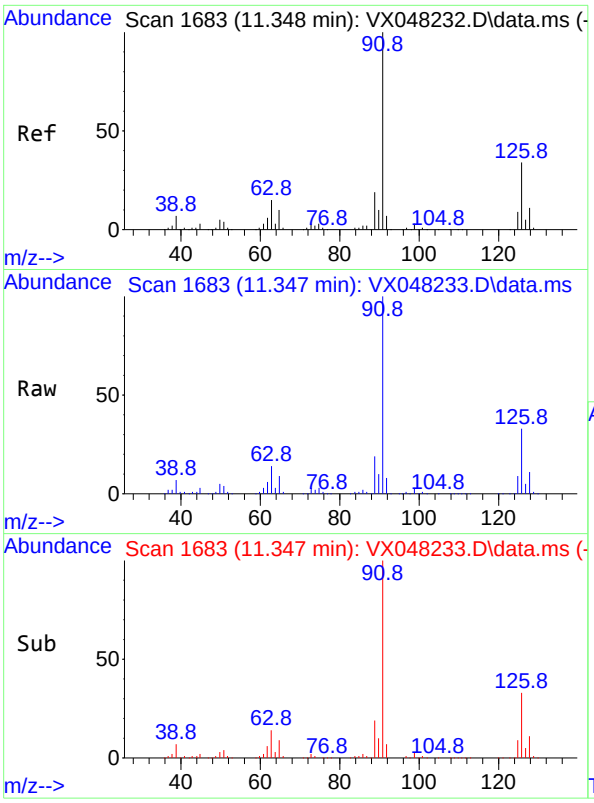




#78
n-propylbenzene
Concen: 107.464 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 91 Resp: 732684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.0 | 11.1 | 33.1 |



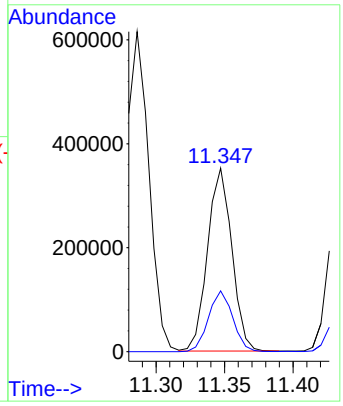


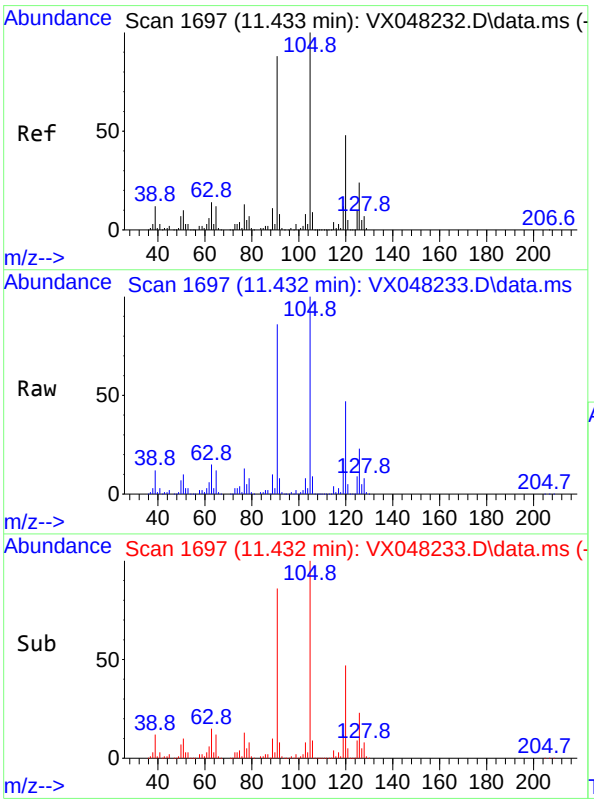

#79
2-Chlorotoluene
Concen: 105.044 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 434217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.4 | 49.4 |

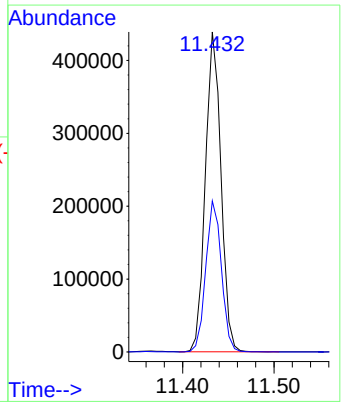


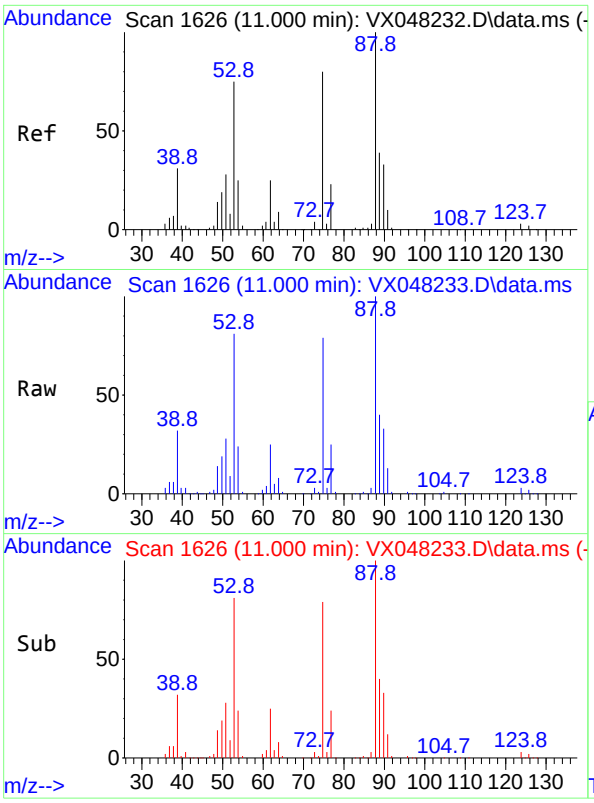




#80
1,3,5-Trimethylbenzene
Concen: 106.616 ug/l
RT: 11.432 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:105 Resp: 519549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 24.0 | 72.0 |



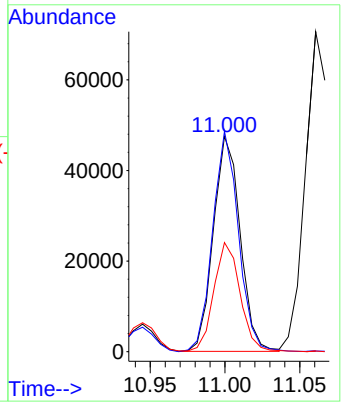


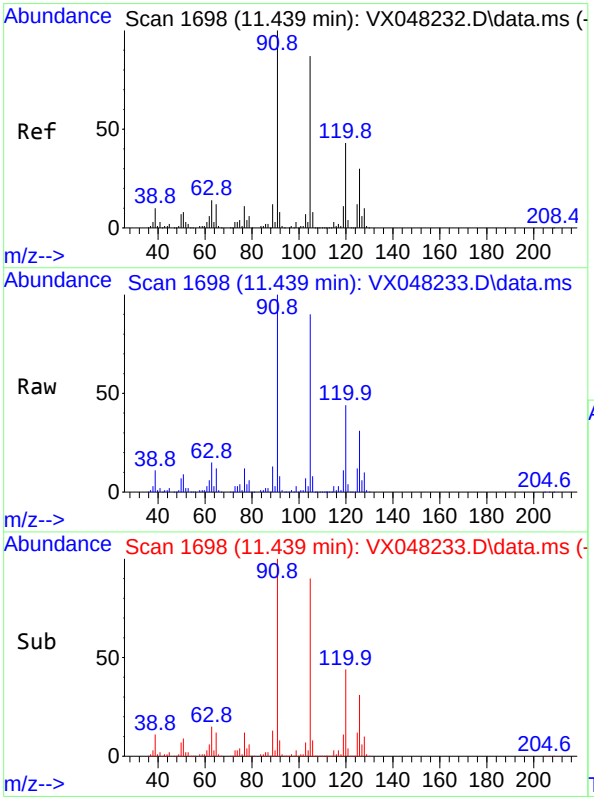

#81
trans-1,4-Dichloro-2-butene
Concen: 109.902 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 59059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 98.7 | 79.5 | 119.3 |
| 89 | 49.9 | 36.8 | 55.2 |

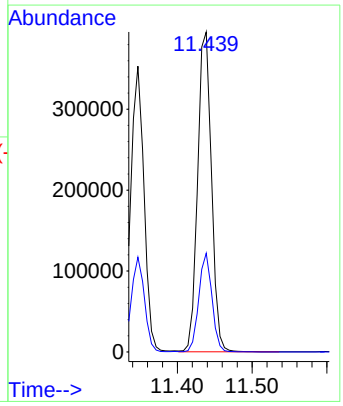


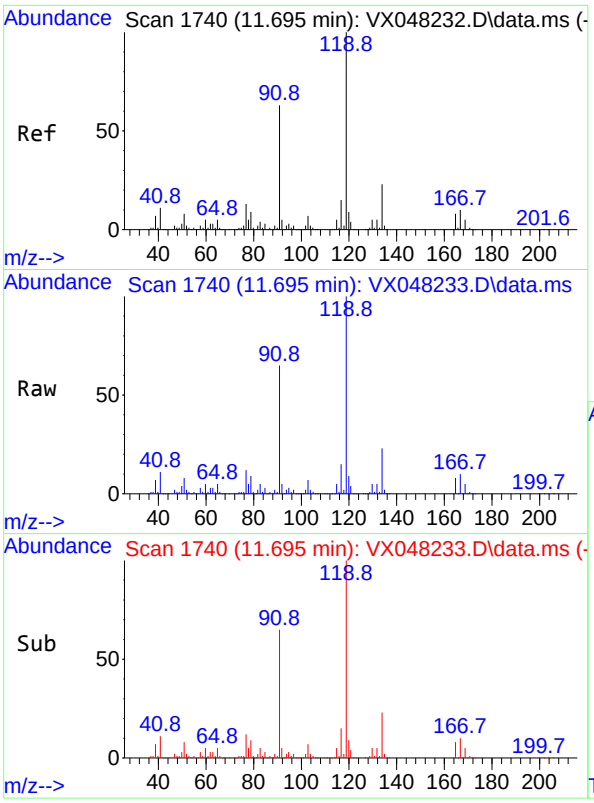




#82
4-Chlorotoluene
Concen: 103.293 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 91 Resp: 506861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.5 | 14.1 | 42.4 |



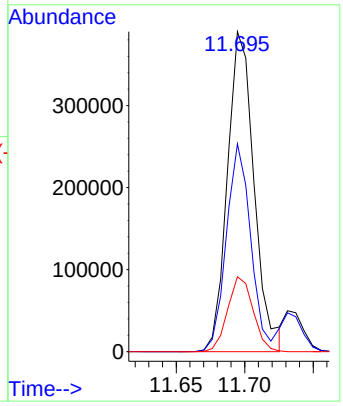


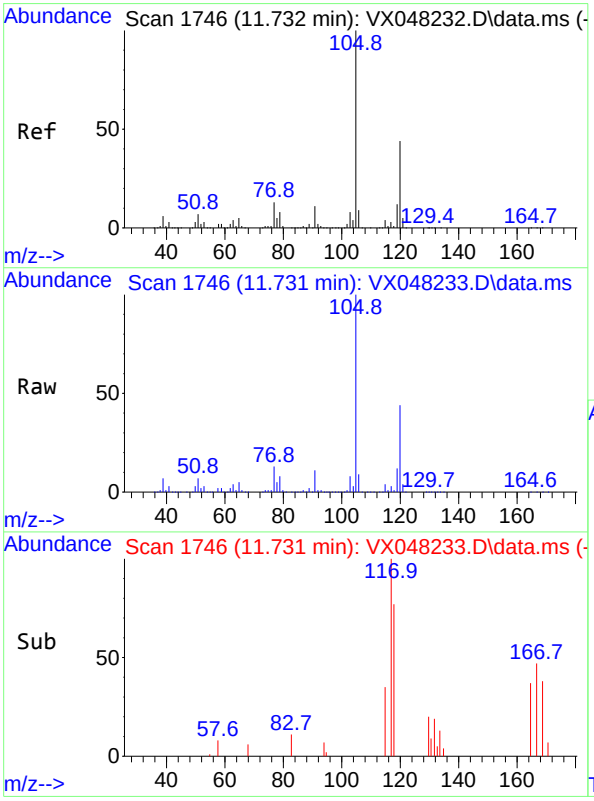

#83
tert-Butylbenzene
Concen: 105.707 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:119 Resp: 529264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.1 | 30.3 | 91.0 |
| 134 | 22.3 | 11.4 | 34.2 |

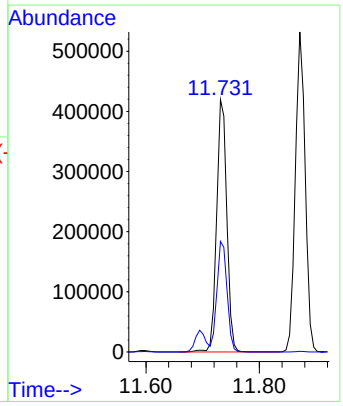


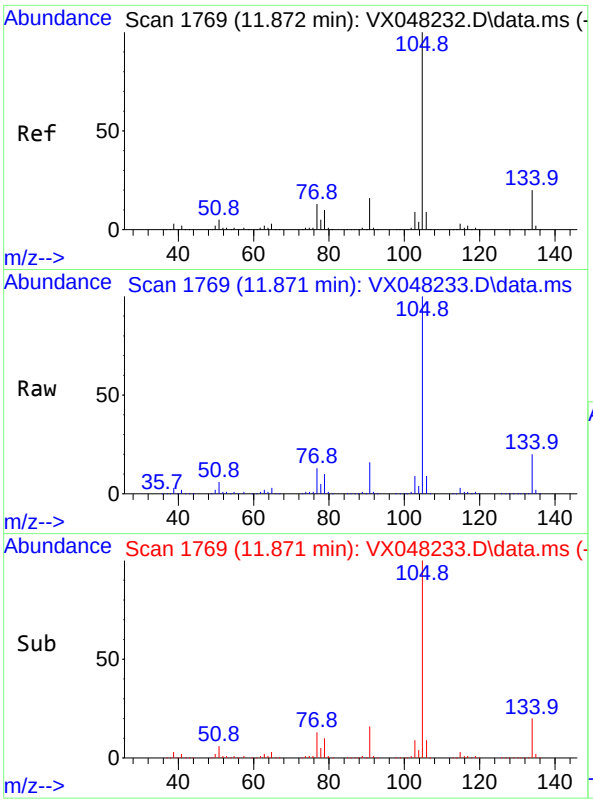




#84
1,2,4-Trimethylbenzene
Concen: 107.638 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:105 Resp: 523474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 22.1 | 66.5 |



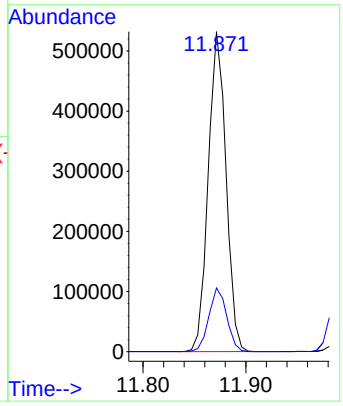


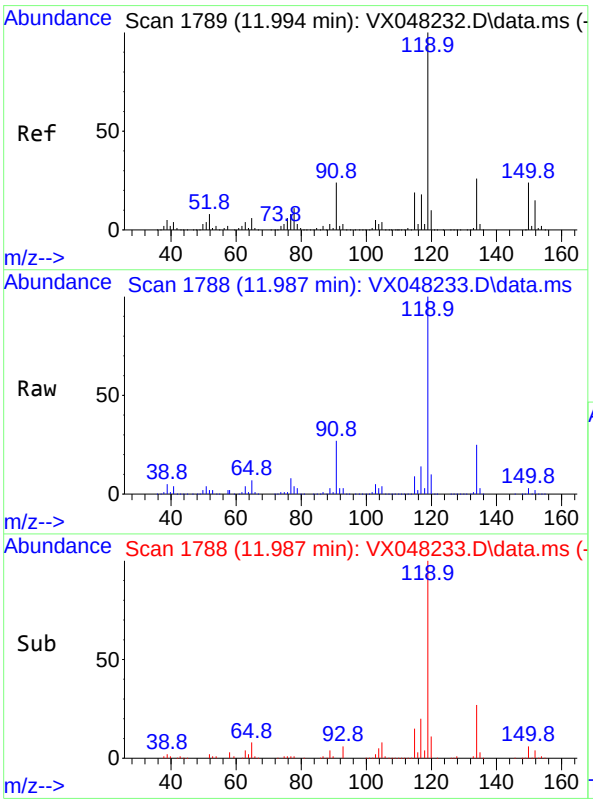

#85
sec-Butylbenzene
Concen: 106.228 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 639904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 10.1 | 30.1 |

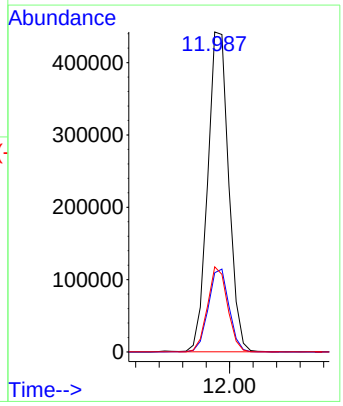


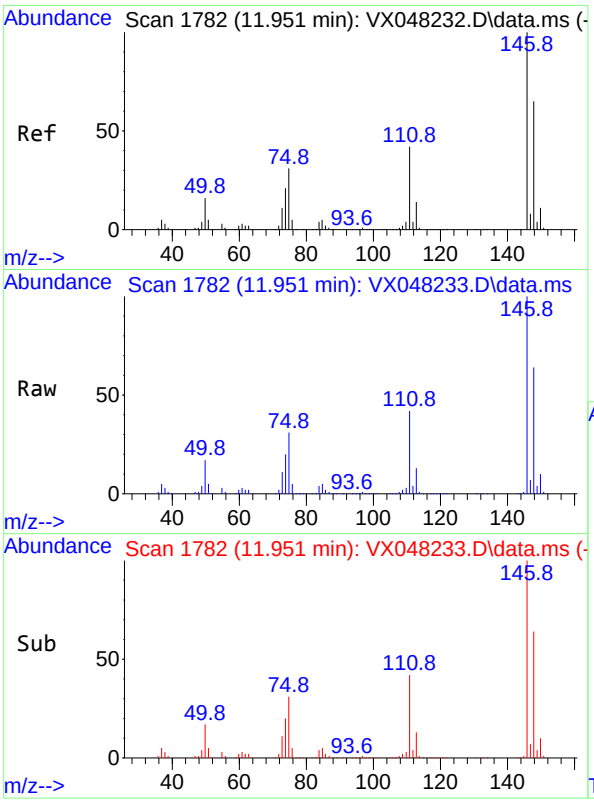




#86
p-Isopropyltoluene
Concen: 105.271 ug/l
RT: 11.987 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:119 Resp: 548119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 13.0 | 39.0 |
| 91 | 25.5 | 12.1 | 36.3 |



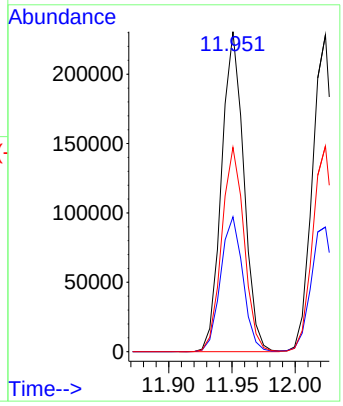


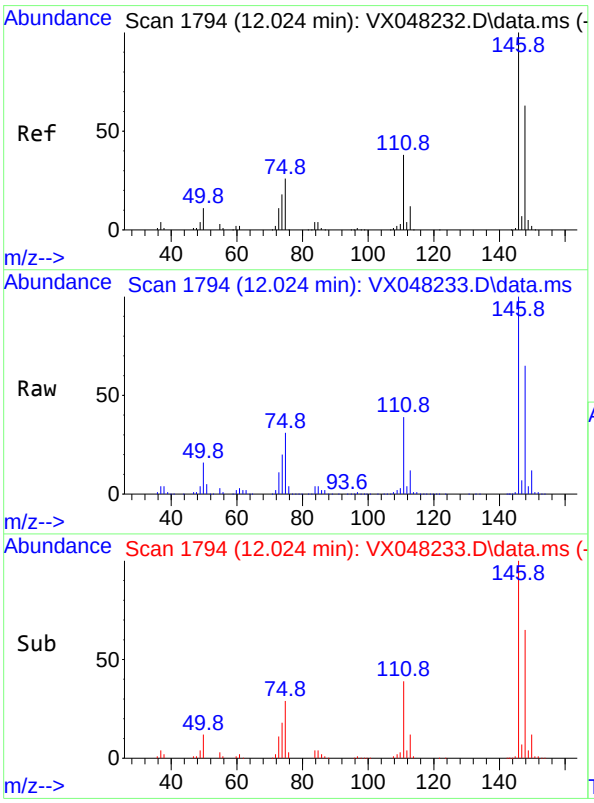

#87
1,3-Dichlorobenzene
Concen: 101.174 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 281617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.4 | 20.4 | 61.2 |
| 148 | 64.2 | 31.9 | 95.9 |

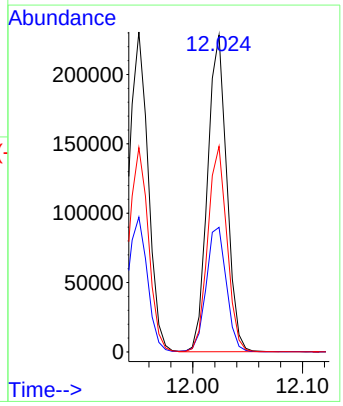


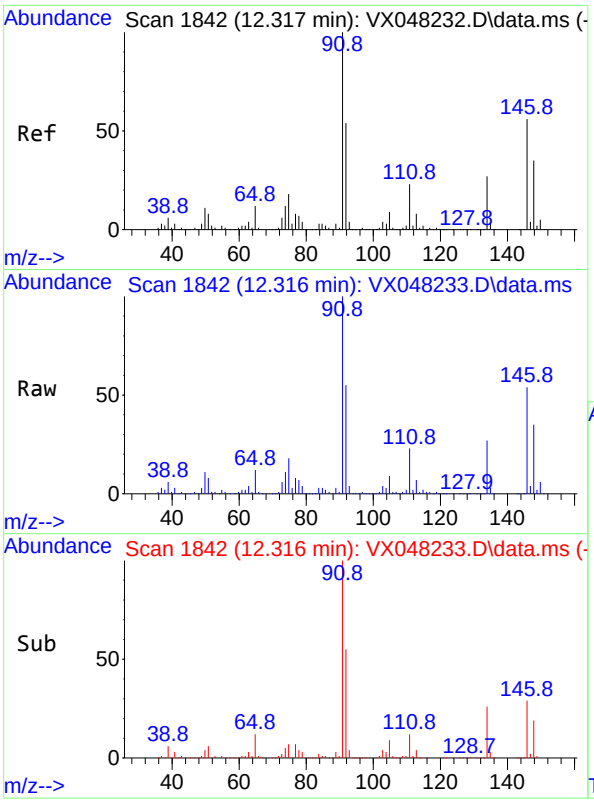




#88
1,4-Dichlorobenzene
Concen: 96.377 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:146 Resp: 277908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.1 | 60.2 |
| 148 | 65.0 | 31.8 | 95.3 |



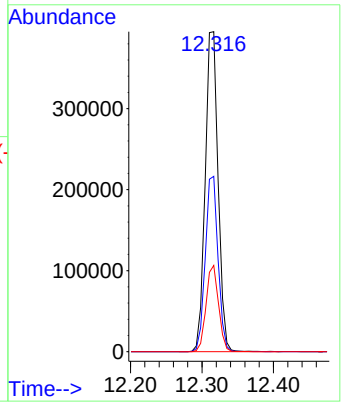


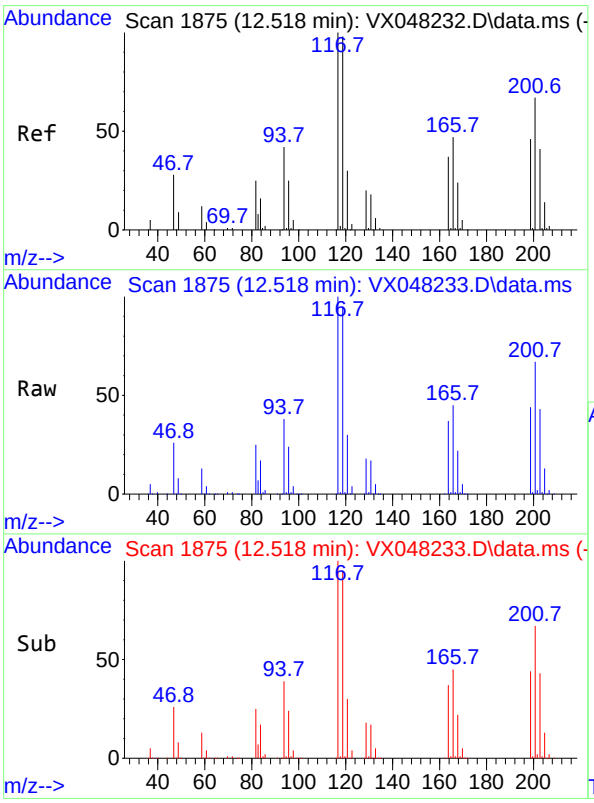

#89
n-Butylbenzene
Concen: 104.552 ug/l
RT: 12.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 495486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.3 | 26.9 | 80.6 |
| 134 | 26.1 | 12.7 | 38.1 |

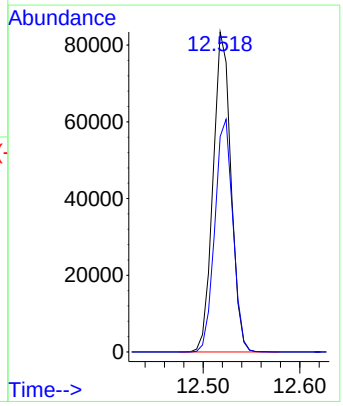


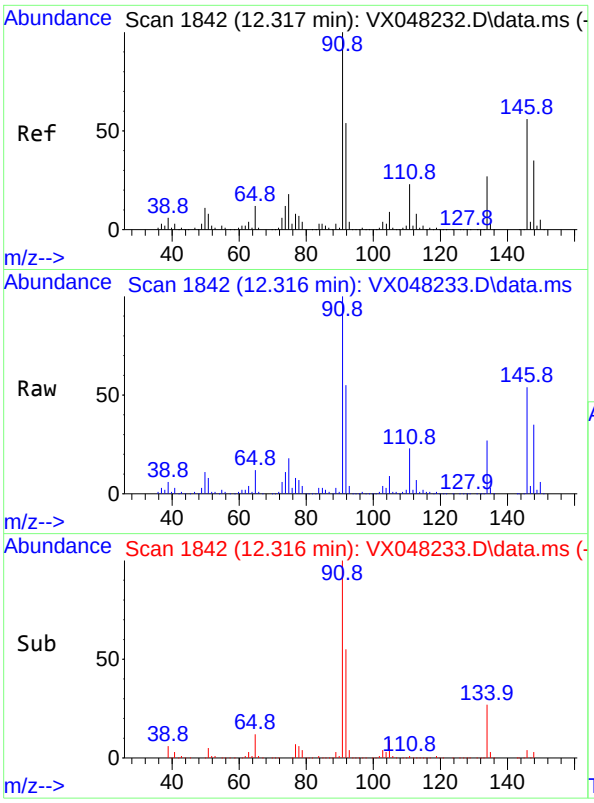




#90
Hexachloroethane
Concen: 104.121 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:117 Resp: 107057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 73.5 | 34.1 | 102.2 |



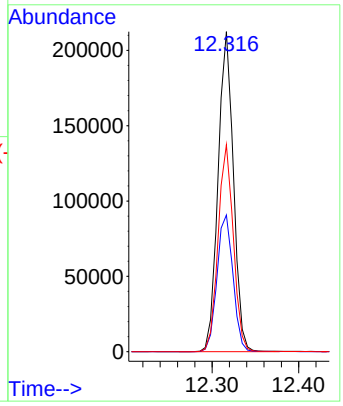


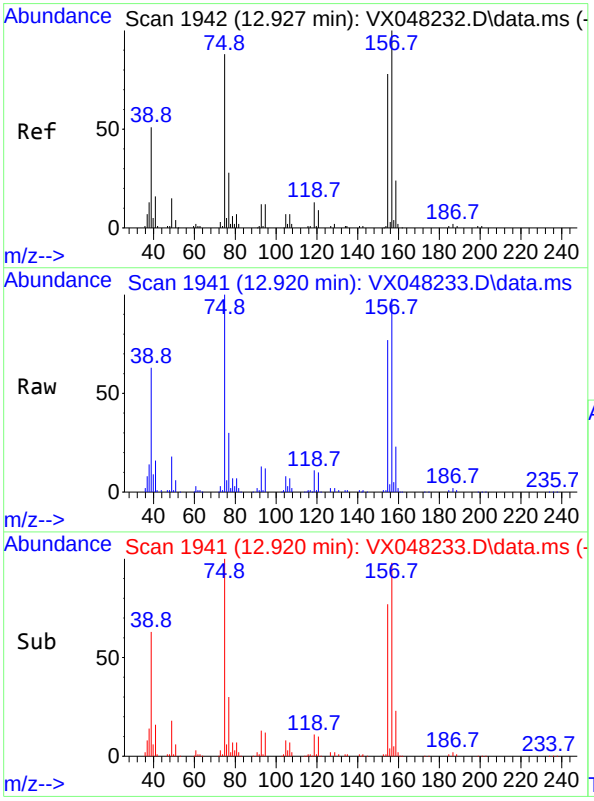

#91
1,2-Dichlorobenzene
Concen: 99.880 ug/l
RT: 12.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 261022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.7 | 21.9 | 65.5 |
| 148 | 64.5 | 31.9 | 95.5 |

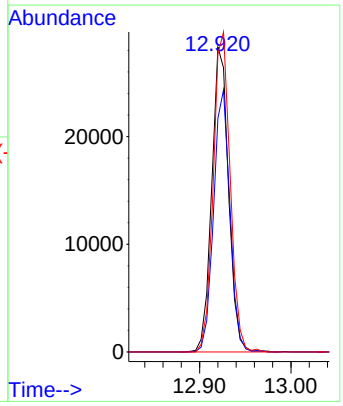


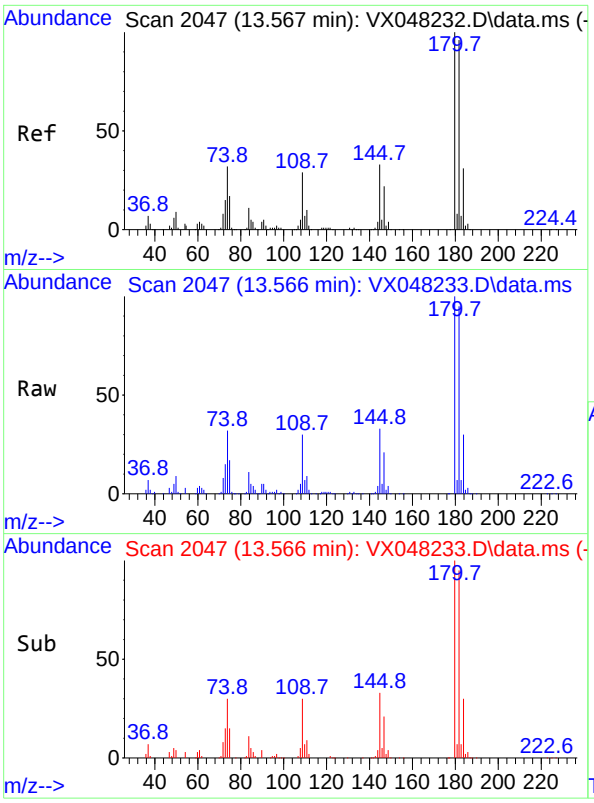




#92
1,2-Dibromo-3-Chloropropane
Concen: 110.555 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 36087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.6 | 42.8 | 128.4 |
| 157 | 105.4 | 54.2 | 162.6 |



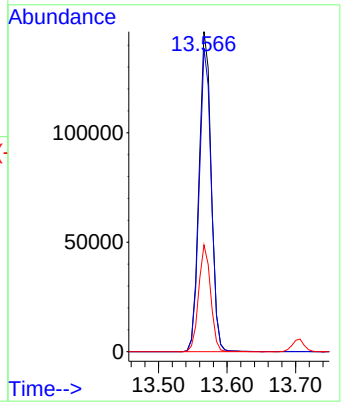


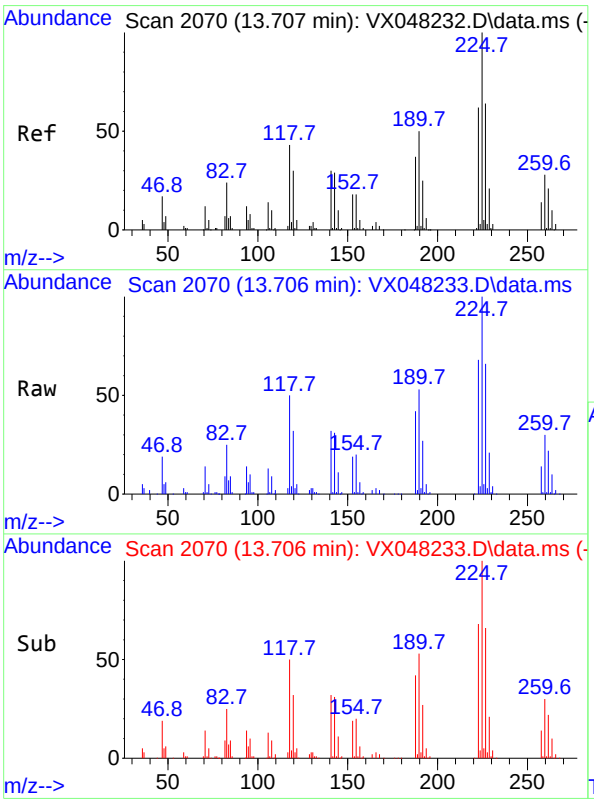

#93
1,2,4-Trichlorobenzene
Concen: 101.602 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:180 Resp: 179562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 47.3 | 142.0 |
| 145 | 33.0 | 16.3 | 48.9 |

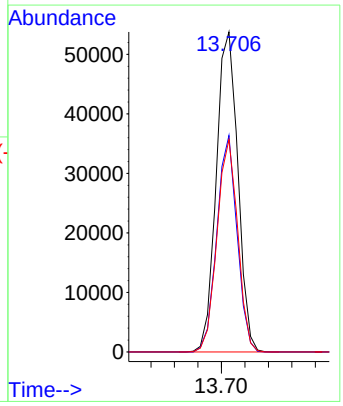


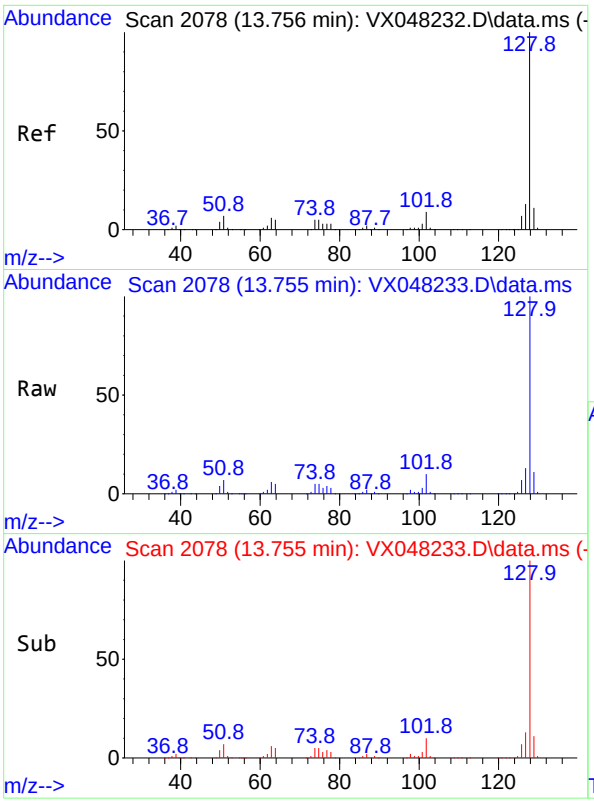




#94
Hexachlorobutadiene
Concen: 103.582 ug/l
RT: 13.706 min Scan# 2070
Delta R.T. 0.005 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:225 Resp: 68645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 32.6 | 97.7 |
| 227 | 63.5 | 32.5 | 97.4 |



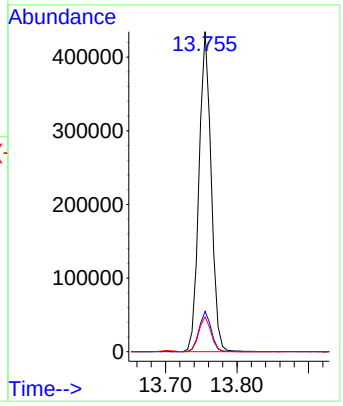


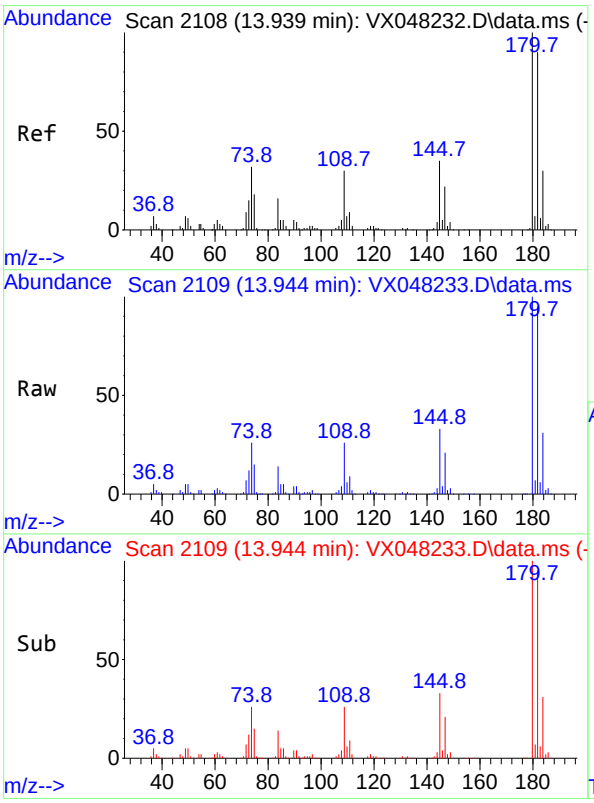

#95
Naphthalene
Concen: 109.211 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:128 Resp: 511355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.4 |
| 129 | 10.9 | 8.6 | 12.8 |

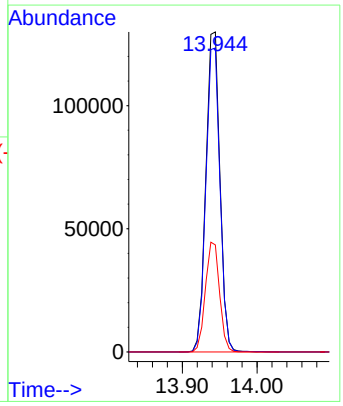



#96
1,2,3-Trichlorobenzene
Concen: 104.362 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:180 Resp: 169248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 46.6 | 139.7 |
| 145 | 34.6 | 16.9 | 50.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048234.D
Acq On : 20 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Oct 25 03:36:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 112063 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 180904 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 155759 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 75397 | 50.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 234807 | 149.444 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 298.880%# | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 188821 | 152.889 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 305.780%# | | | |
| 50) Toluene-d8 | 8.635 | 98 | 648652 | 149.843 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 299.680%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 239298 | 145.308 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 290.620%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 169514 | 147.144 | ug/l | 95 |
| 3) Chloromethane | 1.301 | 50 | 158322 | 147.234 | ug/l | 99 |
| 4) Vinyl Chloride | 1.380 | 62 | 149708 | 150.348 | ug/l | 99 |
| 5) Bromomethane | 1.605 | 94 | 92946 | 137.542 | ug/l | 97 |
| 6) Chloroethane | 1.685 | 64 | 89813 | 153.495 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 292007 | 152.907 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 81474 | 151.624 | ug/l | 88 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 184438 | 152.517 | ug/l | 96 |
| 10) Methyl Iodide | 2.453 | 142 | 249395 | 164.048 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.959 | 59 | 107295 | 687.786 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 178408 | 151.641 | ug/l | 95 |
| 13) Acrolein | 2.239 | 56 | 123365 | 775.377 | ug/l | 99 |
| 14) Allyl chloride | 2.666 | 41 | 293697 | 150.358 | ug/l | 98 |
| 15) Acrylonitrile | 3.062 | 53 | 412892 | 734.001 | ug/l | 100 |
| 16) Acetone | 2.380 | 43 | 347029 | 643.823 | ug/l | 99 |
| 17) Carbon Disulfide | 2.514 | 76 | 515144 | 138.930 | ug/l | 100 |
| 18) Methyl Acetate | 2.697 | 43 | 169402 | 150.489 | ug/l | 93 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 593033 | 147.754 | ug/l | 97 |
| 20) Methylene Chloride | 2.788 | 84 | 190483 | 145.034 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 187495 | 145.082 | ug/l | 98 |
| 22) Diisopropyl ether | 3.757 | 45 | 571951 | 146.807 | ug/l | 93 |
| 23) Vinyl Acetate | 3.715 | 43 | 2367511 | 760.744 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 342500 | 145.389 | ug/l | 99 |
| 25) 2-Butanone | 4.544 | 43 | 487152 | 714.037 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 310572 | 146.061 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 222359 | 147.429 | ug/l | 98 |
| 28) Bromochloromethane | 4.891 | 49 | 151812 | 155.420 | ug/l | 87 |
| 29) Tetrahydrofuran | 4.989 | 42 | 301745 | 738.481 | ug/l | 94 |
| 30) Chloroform | 5.080 | 83 | 358626 | 142.490 | ug/l | 98 |
| 31) Cyclohexane | 5.464 | 56 | 291302 | 149.360 | ug/l | 91 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 338462 | 145.916 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 249688 | 142.243 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 208614 | 143.380 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 307892 | 142.169 | ug/l | 100 |
| 39) Methylcyclohexane | 7.367 | 83 | 315911 | 152.387 | ug/l | 95 |
| 40) Benzene | 6.025 | 78 | 730908 | 143.416 | ug/l | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048234.D
Acq On : 20 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Oct 25 03:36:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.910 | 41 | 115351 | 150.966 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 269245 | 143.169 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 361084 | 151.084 | ug/l | | 96 |
| 44) Trichloroethene | 7.110 | 130 | 197244 | 146.572 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 180619 | 149.063 | ug/l | | 99 |
| 46) Dibromomethane | 7.568 | 93 | 135105 | 143.118 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.805 | 83 | 292063 | 143.290 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.677 | 41 | 184354 | 152.865 | ug/l | | 95 |
| 49) 1,4-Dioxane | 7.647 | 88 | 49895 | 3131.591 | ug/l | | 88 |
| 51) 4-Methyl-2-Pentanone | 8.561 | 43 | 983125 | 713.457 | ug/l | | 94 |
| 52) Toluene | 8.702 | 92 | 460742 | 142.307 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 300251 | 152.861 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 317375 | 149.763 | ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 169894 | 141.104 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 272177 | 154.550 | ug/l | | 94 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 293650 | 142.782 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.232 | 63 | 705780 | 741.966 | ug/l | | 95 |
| 59) 2-Hexanone | 9.415 | 43 | 694736 | 723.047 | ug/l | | 96 |
| 60) Dibromochloromethane | 9.506 | 129 | 226642 | 140.050 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 182208 | 141.953 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.263 | 164 | 168581 | 144.982 | ug/l | | 91 |
| 65) Chlorobenzene | 10.061 | 112 | 514967 | 146.973 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 191186 | 148.558 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 898137 | 150.554 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 661019 | 298.230 | ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 320334 | 149.698 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 548149 | 150.439 | ug/l | | 98 |
| 71) Bromoform | 10.781 | 173 | 152209 | 147.980 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 849183 | 154.201 | ug/l | | 100 |
| 74) N-amyl acetate | 10.829 | 43 | 314879 | 161.195 | ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 224486 | 149.271 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 268288 | 219.425 | ug/l | | 78 |
| 77) Bromobenzene | 11.183 | 156 | 207212 | 150.063 | ug/l | | 94 |
| 78) n-propylbenzene | 11.287 | 91 | 991960 | 155.573 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 585792 | 151.532 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 699885 | 153.574 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 83158 | 165.469 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 691903 | 150.773 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 717642 | 153.261 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 707074 | 155.464 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 861466 | 152.918 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 738496 | 151.662 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 386062 | 148.308 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 386885 | 143.466 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.311 | 91 | 664071 | 149.834 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 145813 | 151.639 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 359278 | 147.003 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 50367 | 164.993 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 247472 | 149.729 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 92458 | 149.152 | ug/l | | 100 |
| 95) Naphthalene | 13.756 | 128 | 719433 | 164.296 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 233671 | 154.069 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048234.D
Acq On : 20 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Oct 25 03:36:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

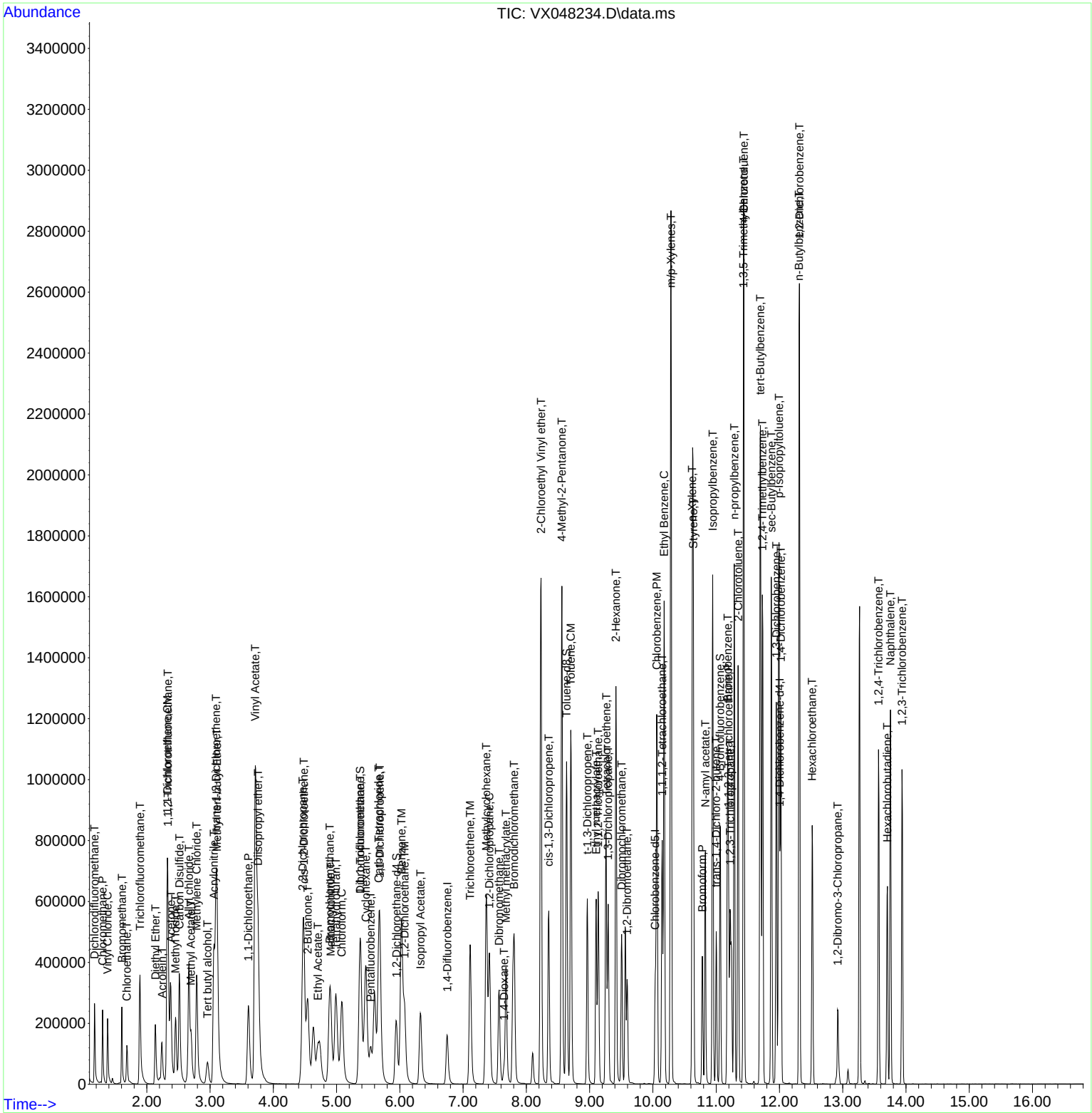
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

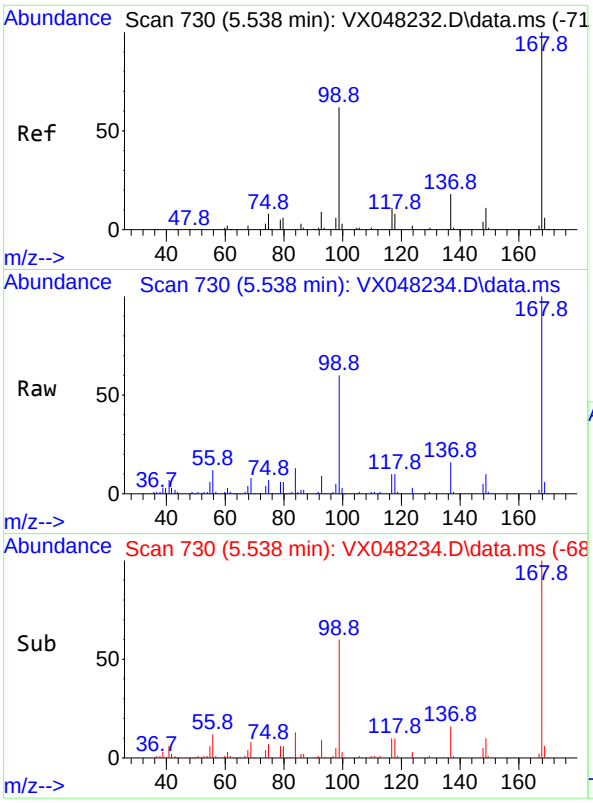
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048234.D
Acq On : 20 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Oct 25 03:36:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



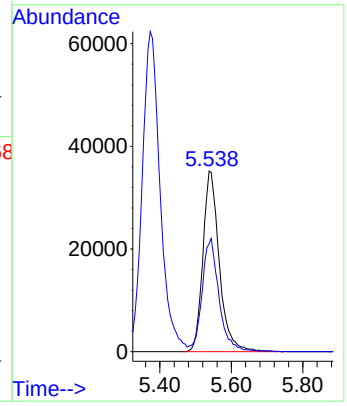


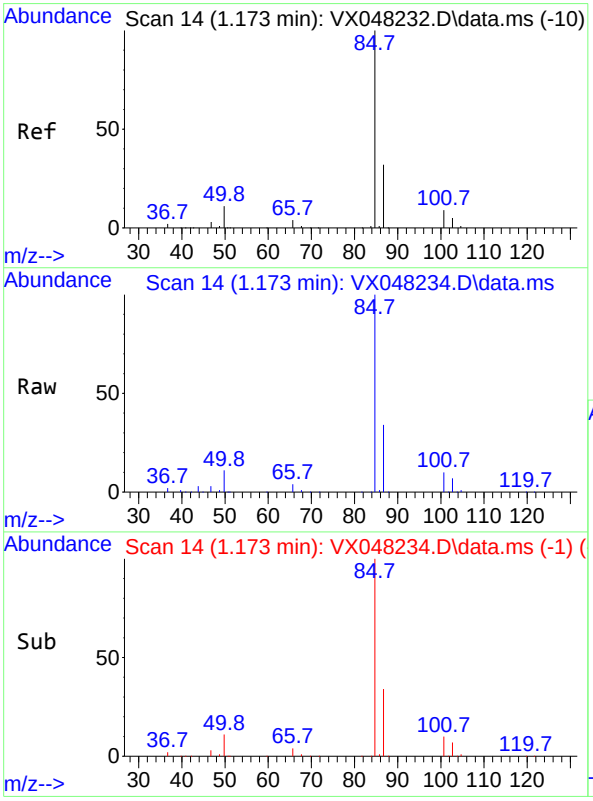

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:168 Resp: 112063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.8 | 46.4 | 69.6 |

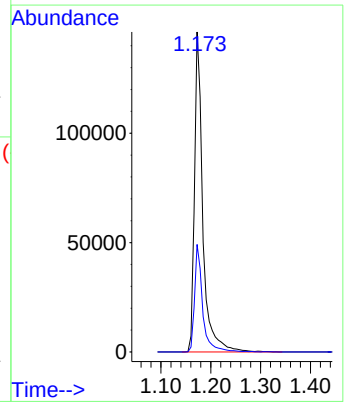


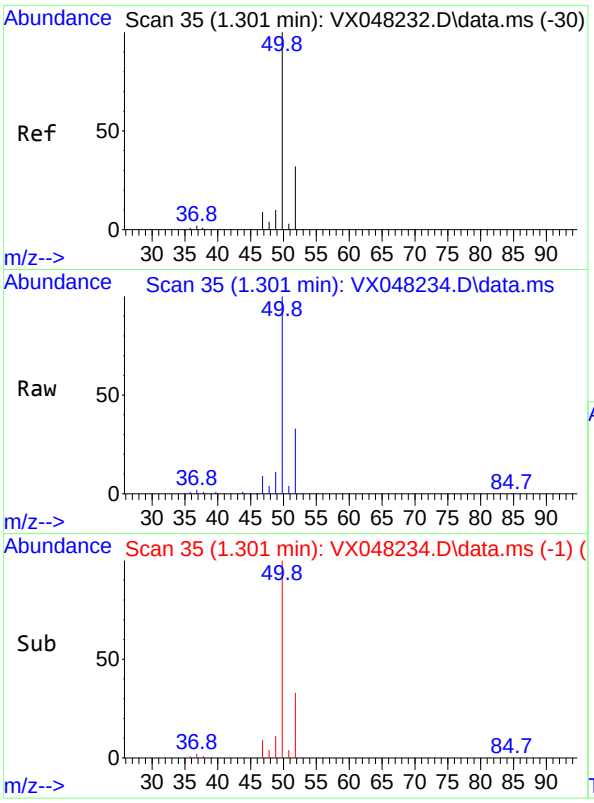




#2
Dichlorodifluoromethane
Concen: 147.144 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 85 Resp: 169514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.6 | 15.3 | 45.9 |



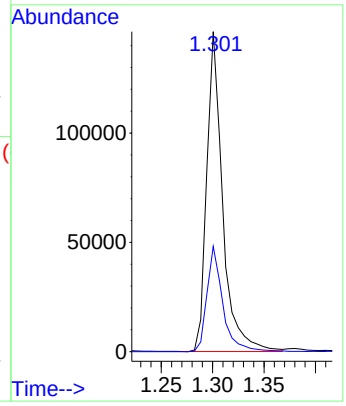


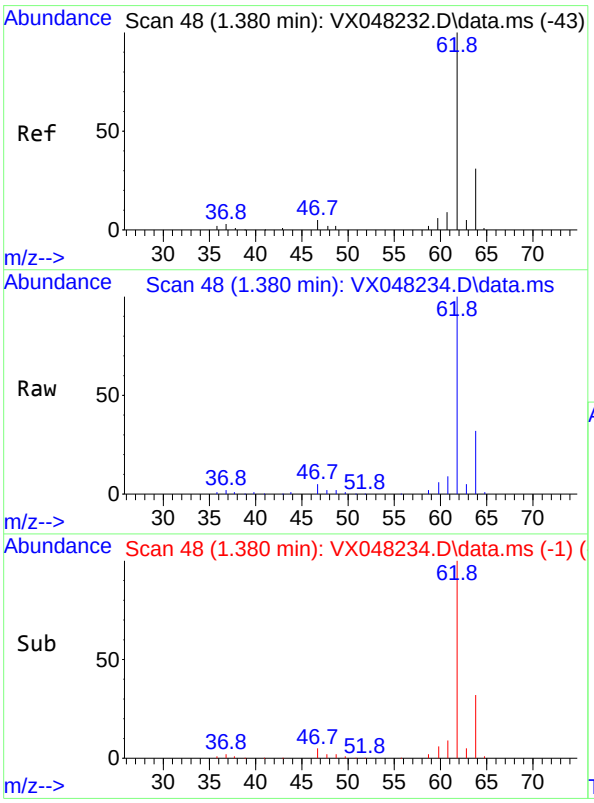

#3
Chloromethane
Concen: 147.234 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 50 Resp: 158322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.9 | 25.9 | 38.9 |

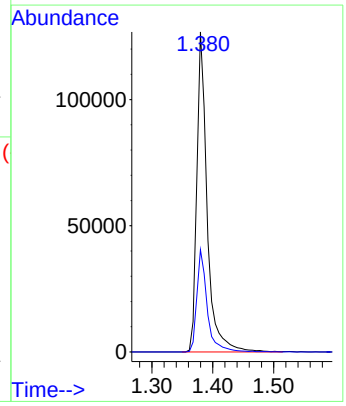


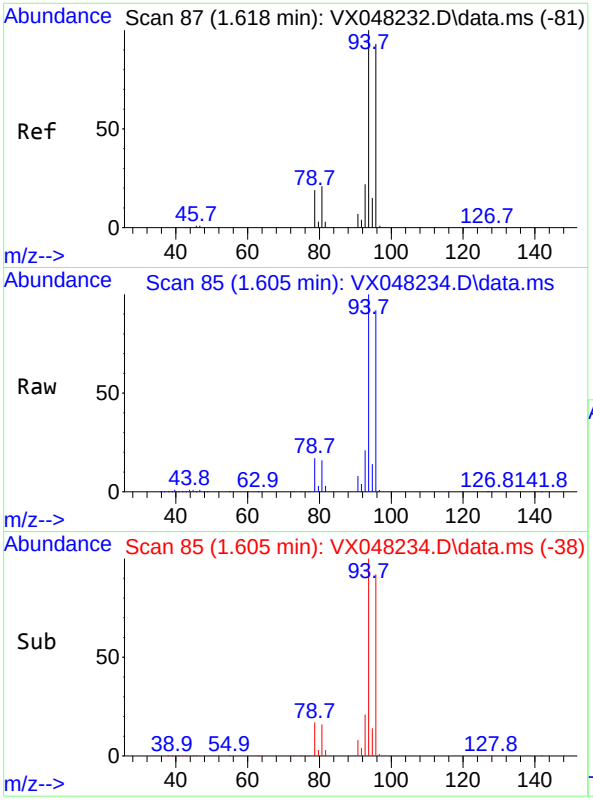




#4
Vinyl Chloride
Concen: 150.348 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 62 Resp: 149708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.0 | 25.1 | 37.7 |



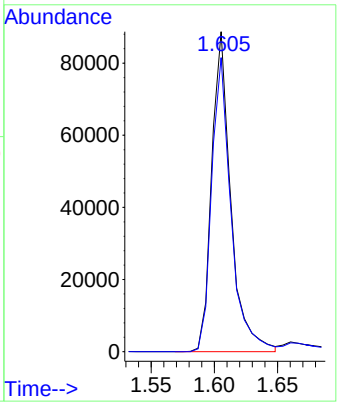


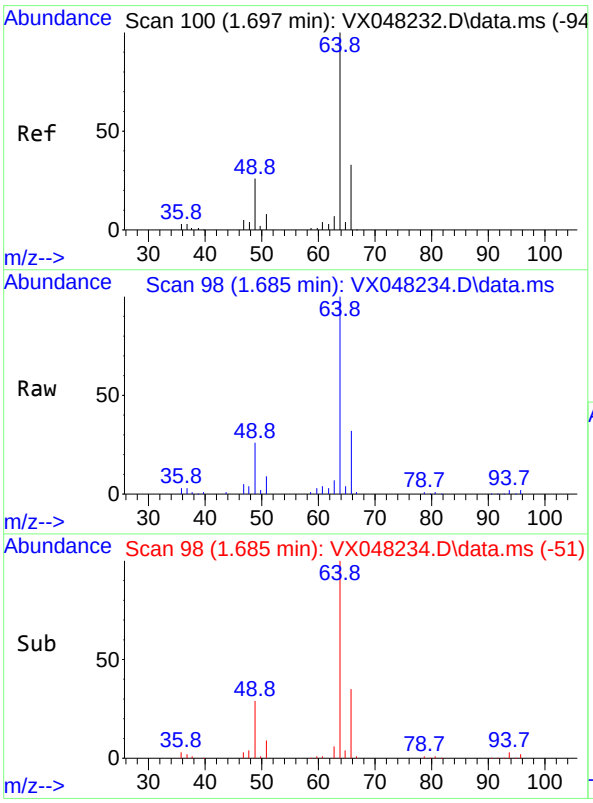

#5
Bromomethane
Concen: 137.542 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 94 Resp: 92946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.9 | 76.0 | 114.0 |

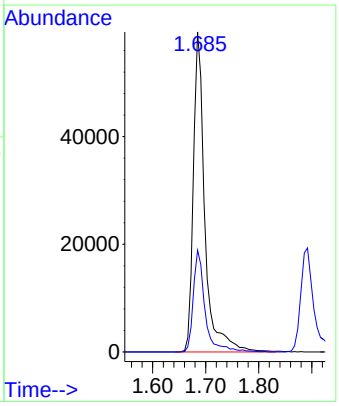


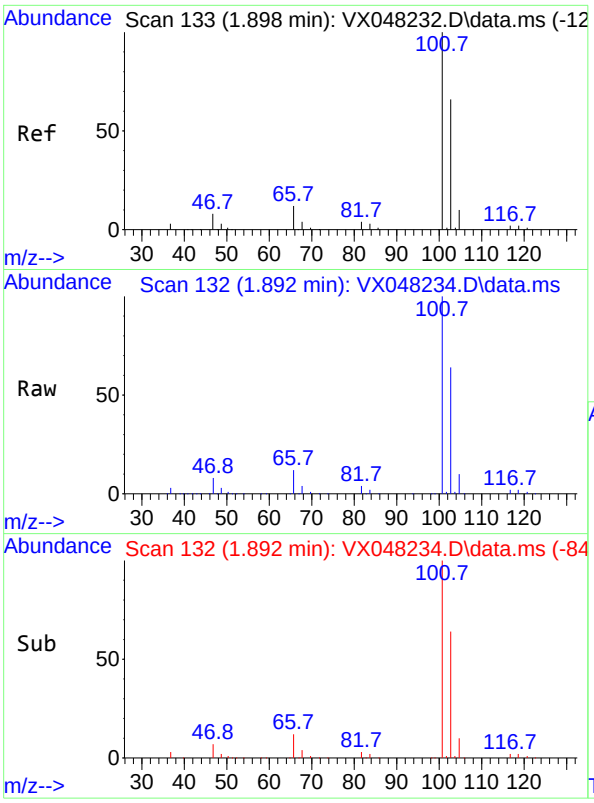




#6
Chloroethane
Concen: 153.495 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.012 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 64 Resp: 89813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 23.9 | 35.9 |



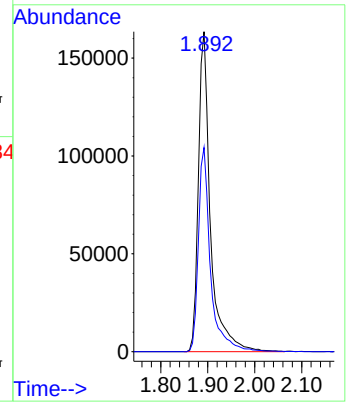


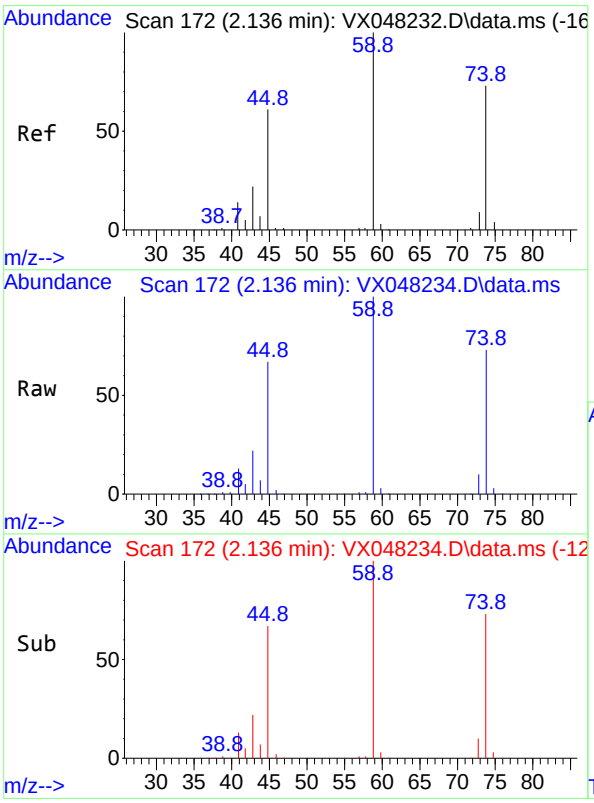

#7
Trichlorofluoromethane
Concen: 152.907 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 292007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 51.6 | 77.4 |

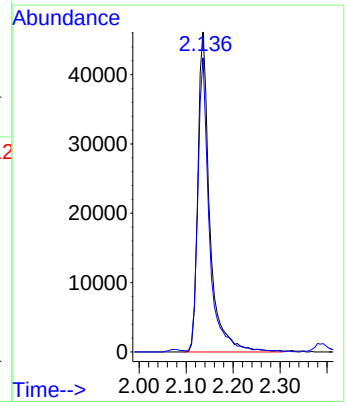


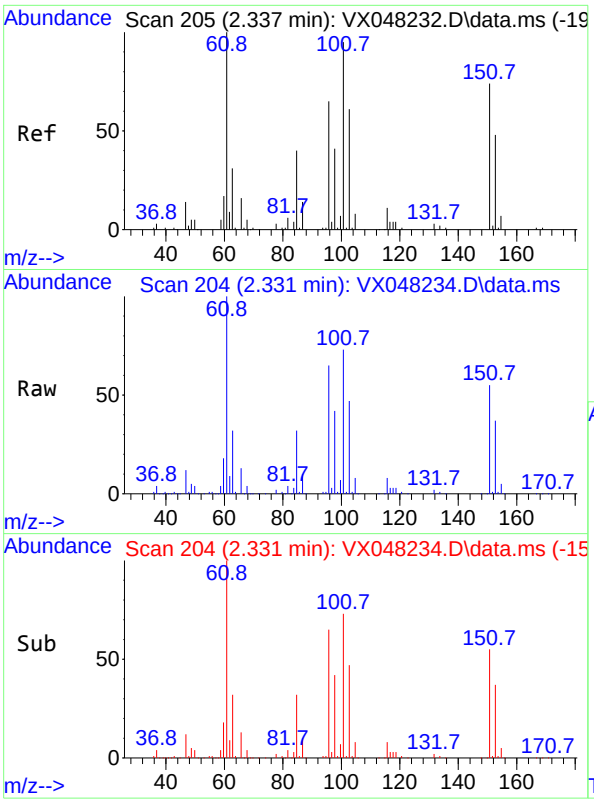




#8
Diethyl Ether
Concen: 151.624 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 74 Resp: 81474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 87.5 | 50.0 | 149.8 |



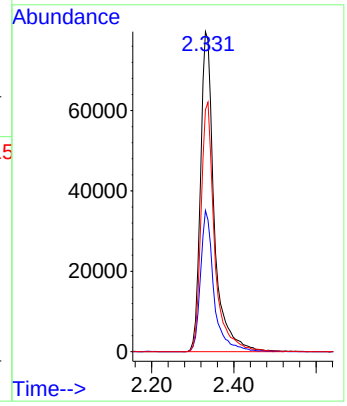


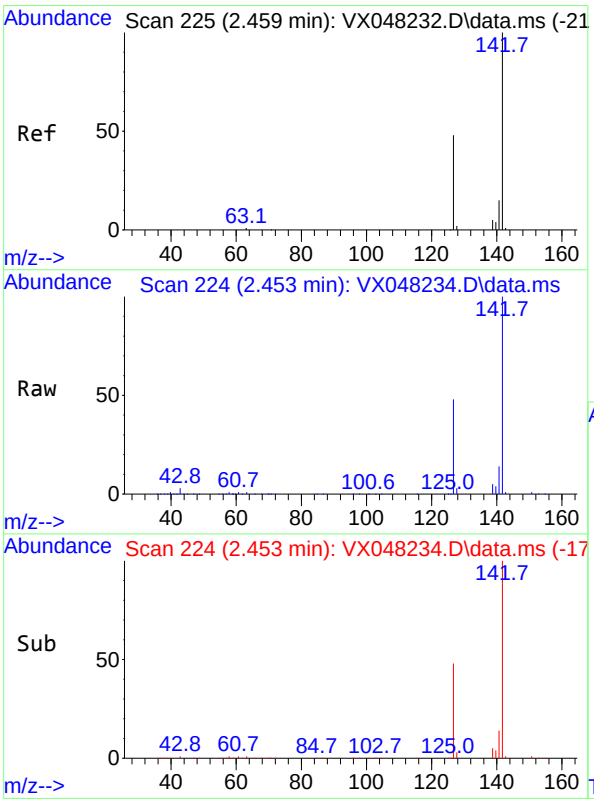

#9
1,1,2-Trichlorotrifluoroethane
Concen: 152.517 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 184438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.3 | 35.6 | 53.4 |
| 151 | 77.4 | 58.0 | 87.0 |

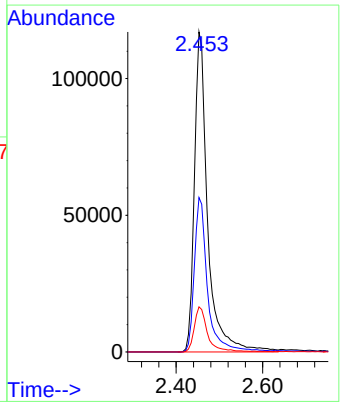


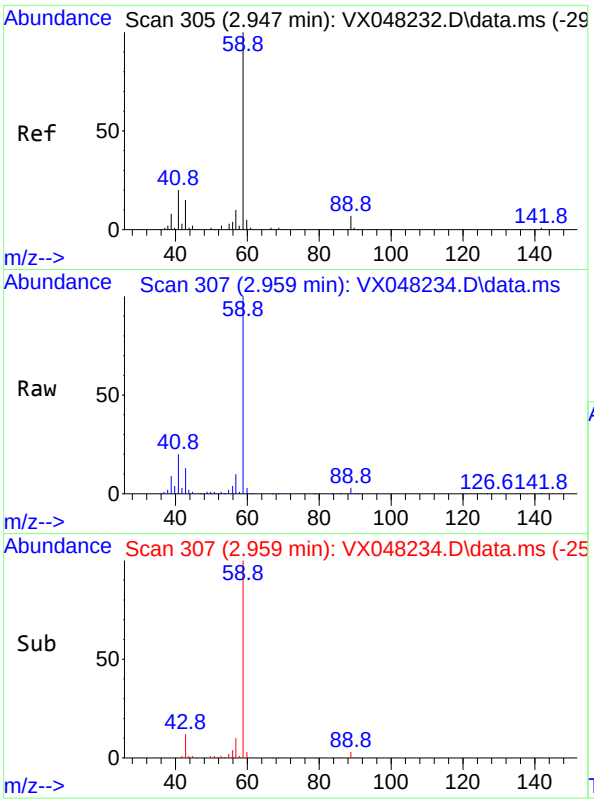




#10
Methyl Iodide
Concen: 164.048 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:142 Resp: 249395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.2 | 38.5 | 57.7 |
| 141 | 14.0 | 11.6 | 17.4 |



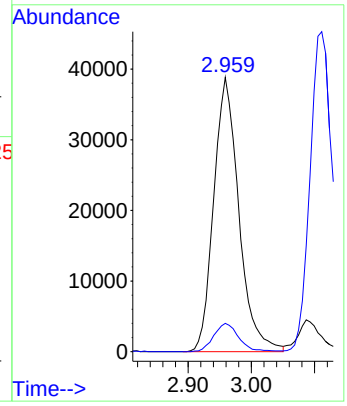


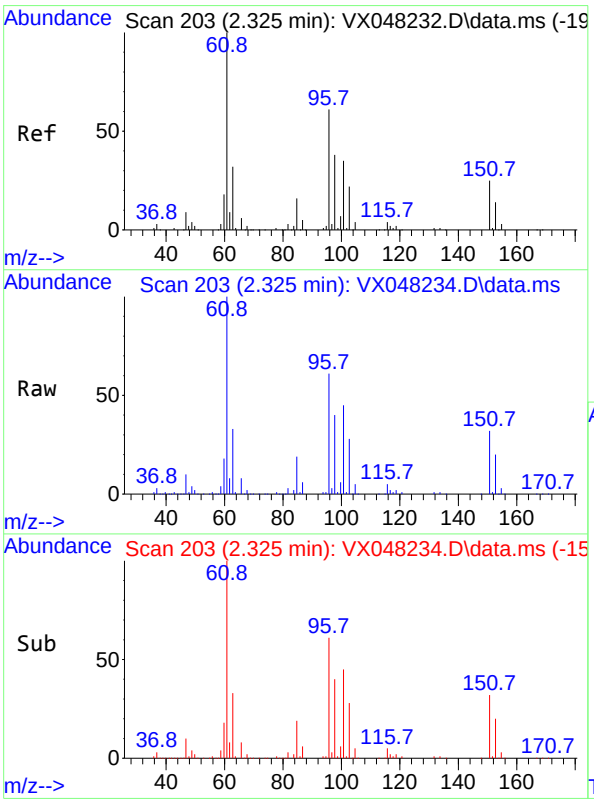

#11
Tert butyl alcohol
Concen: 687.786 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 59 Resp: 107295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 8.2 | 12.4 |

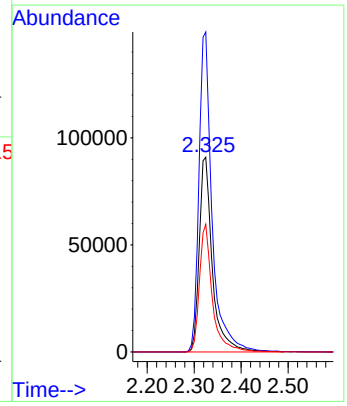


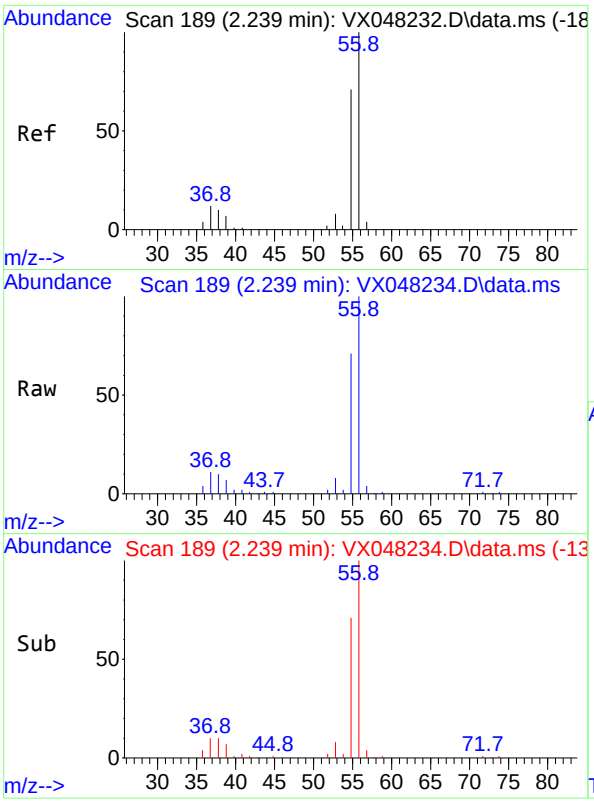




#12
1,1-Dichloroethene
Concen: 151.641 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 96 Resp: 178408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 164.3 | 139.0 | 208.6 |
| 98 | 65.6 | 52.4 | 78.6 |



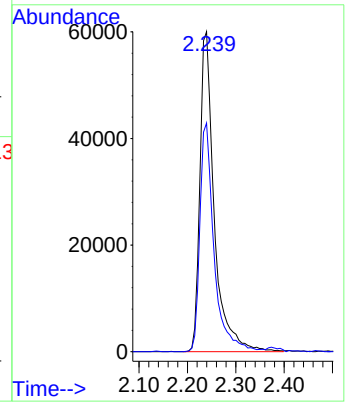


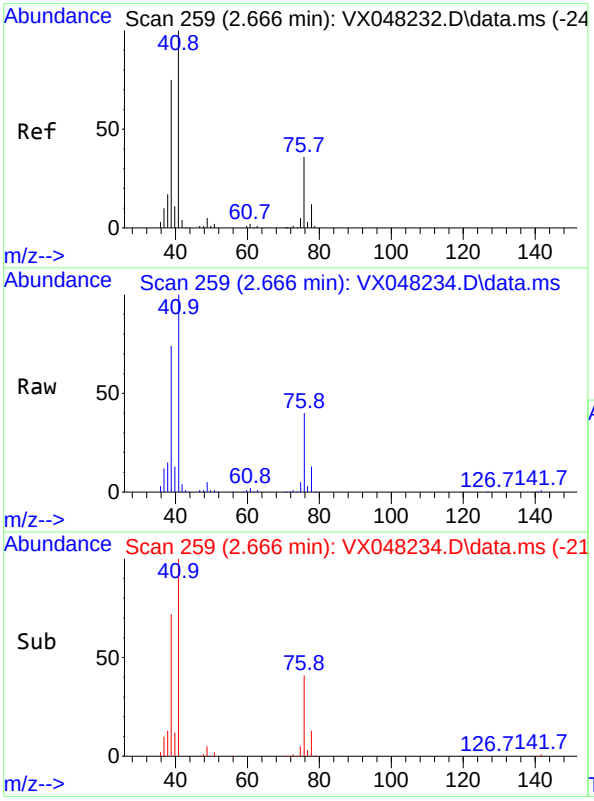

#13
Acrolein
Concen: 775.377 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 123365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.7 | 56.1 | 84.1 |

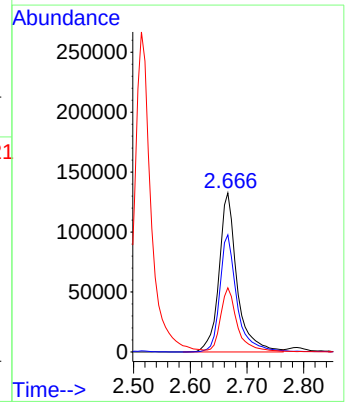


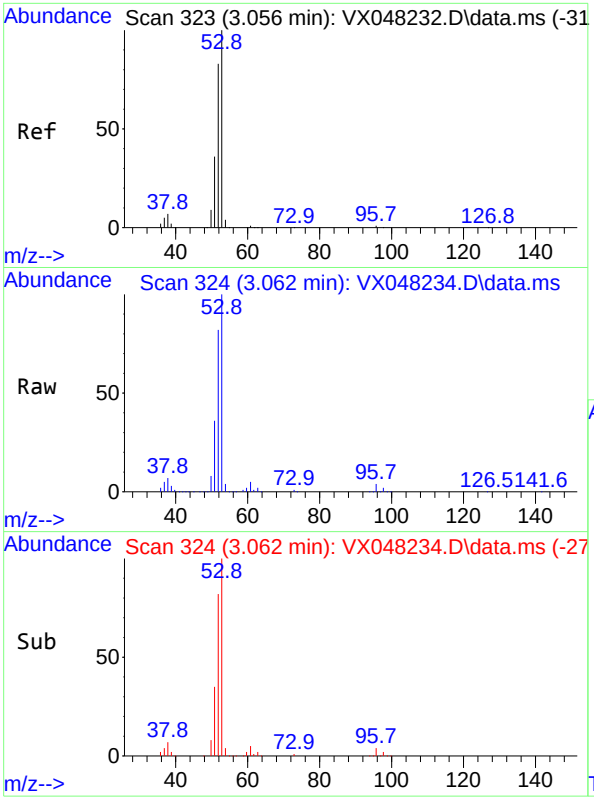




#14
Allyl chloride
Concen: 150.358 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 41 Resp: 293697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 70.5 | 56.0 | 84.0 |
| 76 | 37.7 | 27.5 | 41.3 |



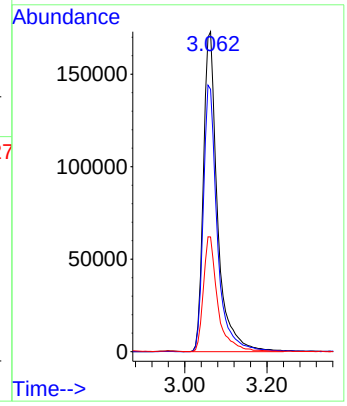


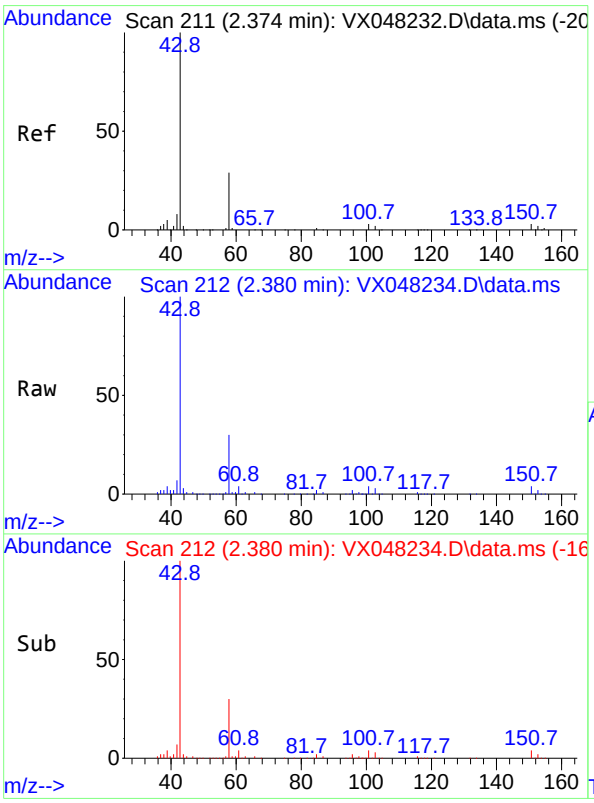

#15
Acrylonitrile
Concen: 734.001 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 53 Resp: 412892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.7 | 66.1 | 99.1 |
| 51 | 36.5 | 29.0 | 43.4 |

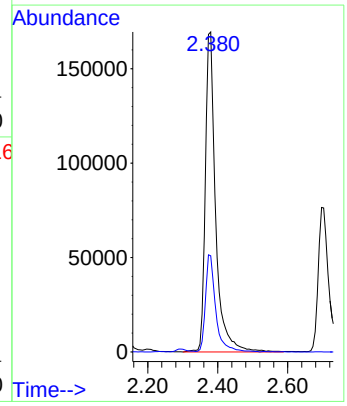


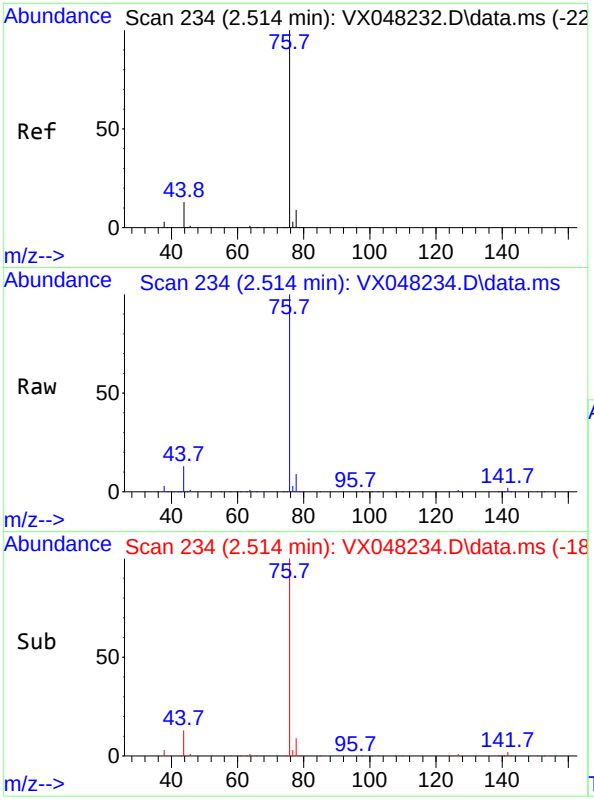




#16
Acetone
Concen: 643.823 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 347029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.0 | 23.4 | 35.2 |



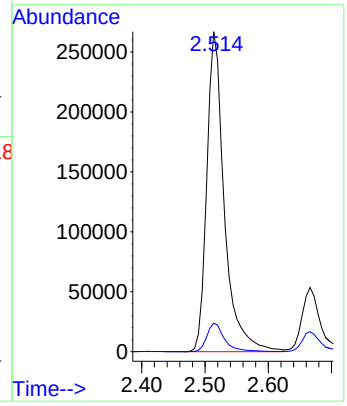


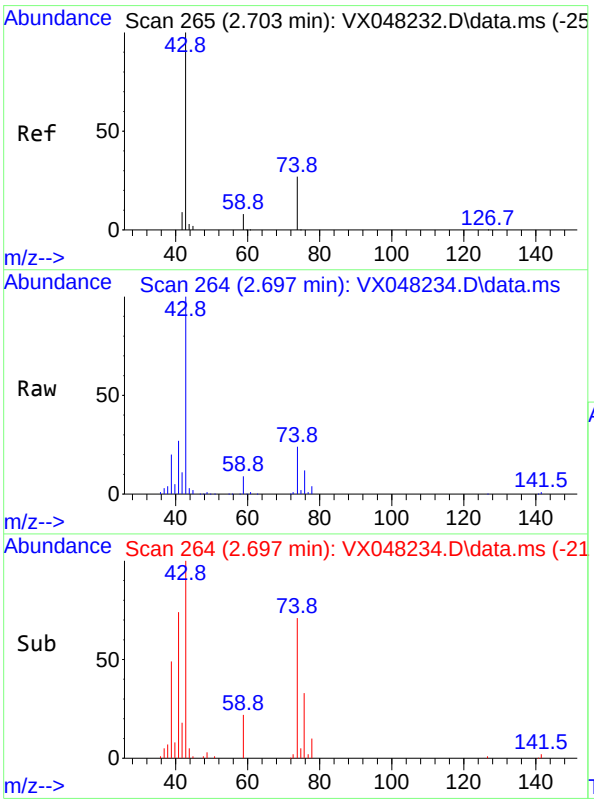

#17
Carbon Disulfide
Concen: 138.930 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 515144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.1 | 10.7 |

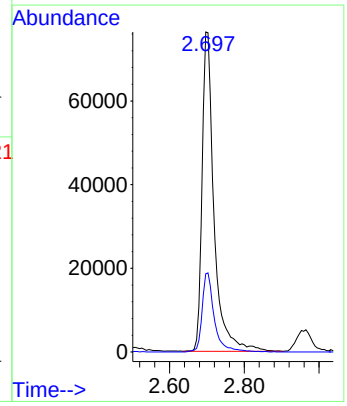


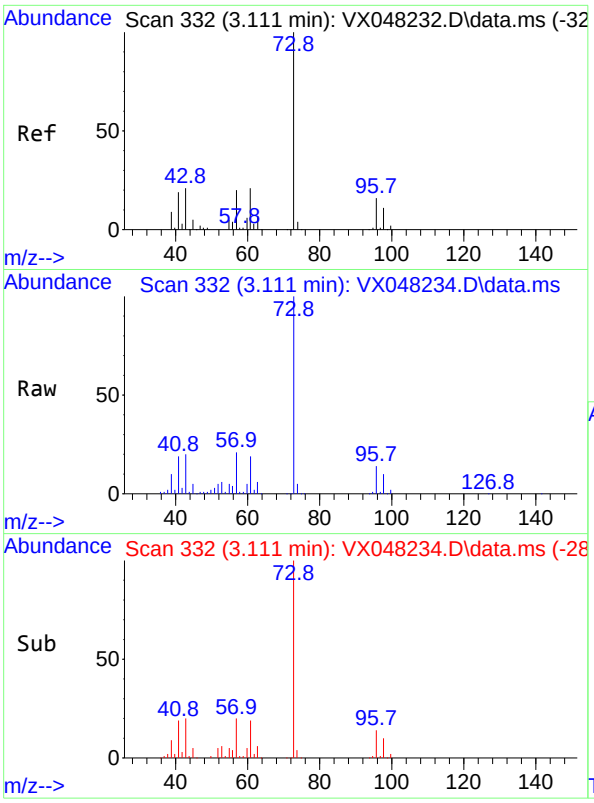




#18
Methyl Acetate
Concen: 150.489 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 169402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.2 | 17.5 | 26.3 |



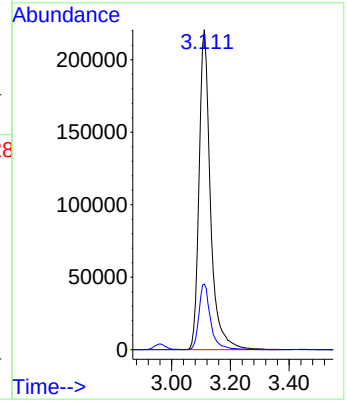


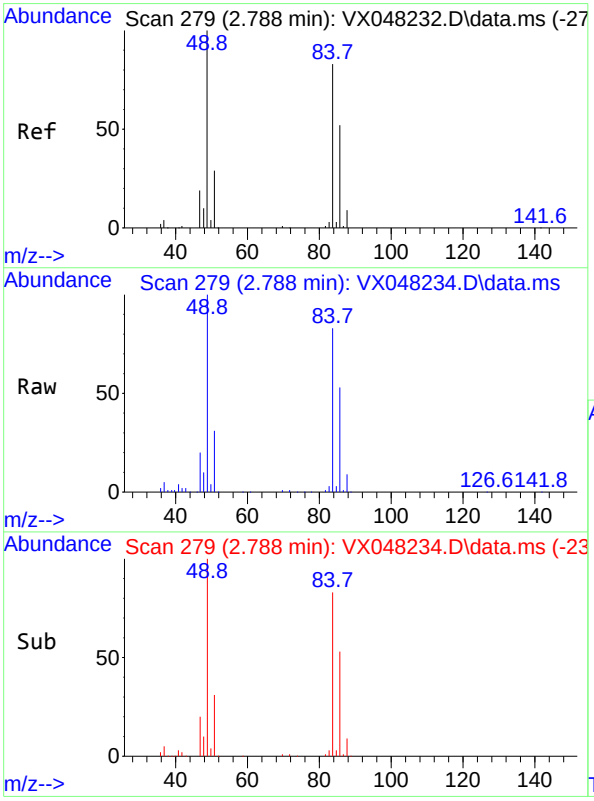

#19
Methyl tert-butyl Ether
Concen: 147.754 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 73 Resp: 593033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.5 | 17.7 | 26.5 |

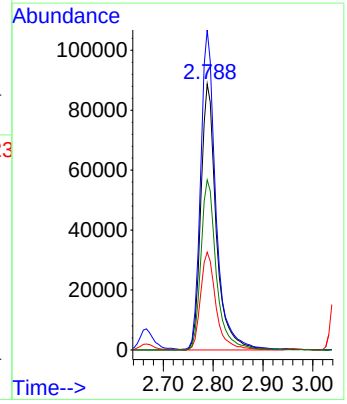


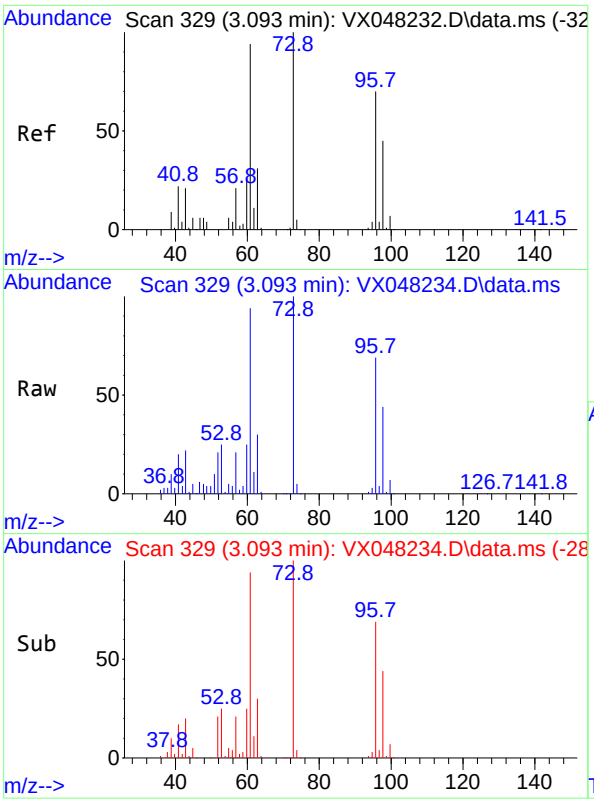




#20
Methylene Chloride
Concen: 145.034 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 84 Resp: 190483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.0 | 104.1 | 156.1 |
| 51 | 36.7 | 31.3 | 46.9 |
| 86 | 63.9 | 51.3 | 76.9 |



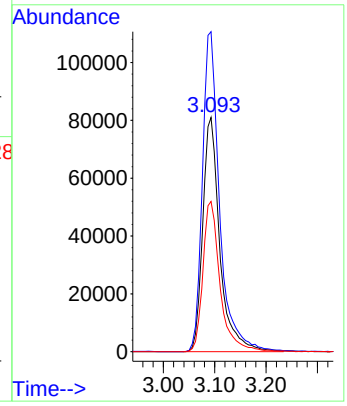


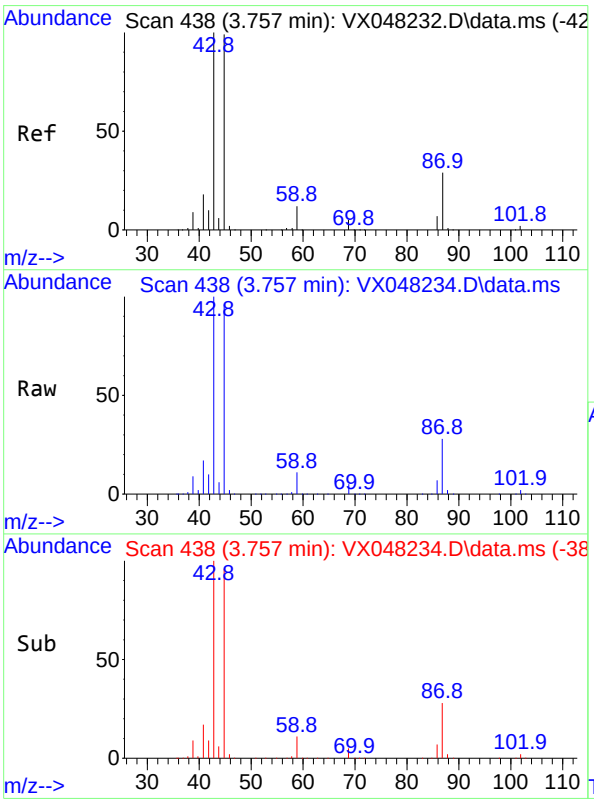

#21
trans-1,2-Dichloroethene
Concen: 145.082 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 187495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.6 | 111.9 | 167.9 |
| 98 | 64.1 | 51.2 | 76.8 |

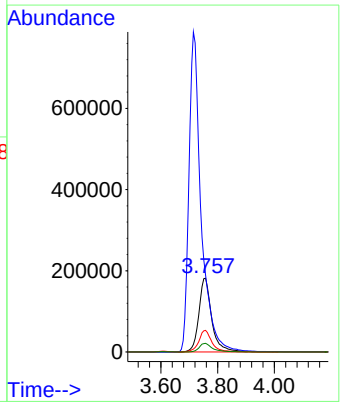


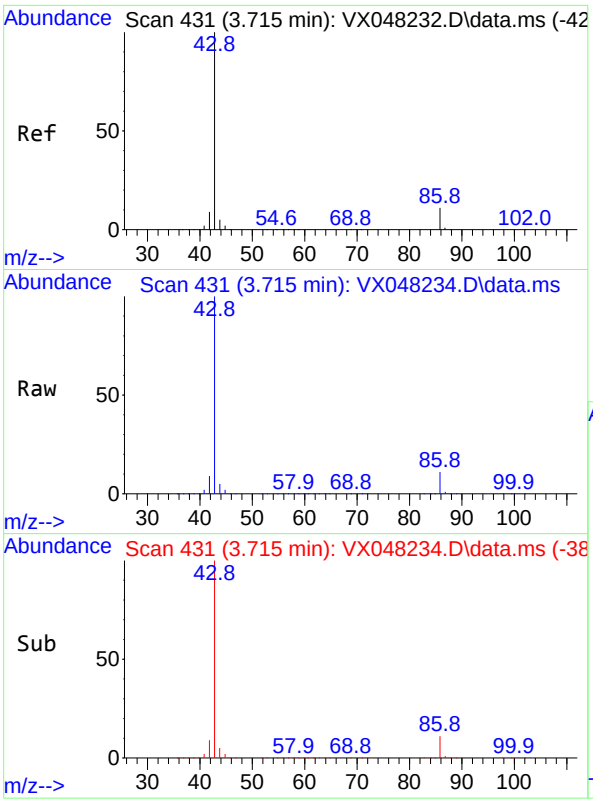




#22
Diisopropyl ether
Concen: 146.807 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 45 Resp: 571951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 104.2 | 89.8 | 134.8 |
| 87 | 29.4 | 20.6 | 31.0 |
| 59 | 11.7 | 9.1 | 13.7 |



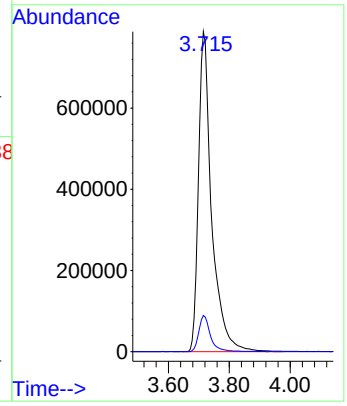


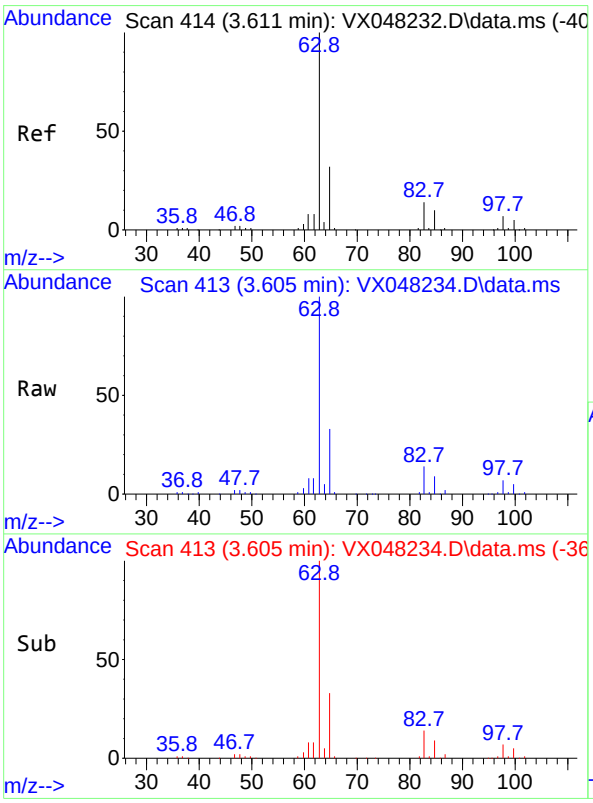

#23
Vinyl Acetate
Concen: 760.744 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 2367511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.3 | 7.9 | 11.9 |

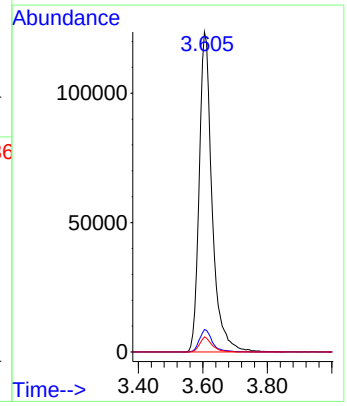


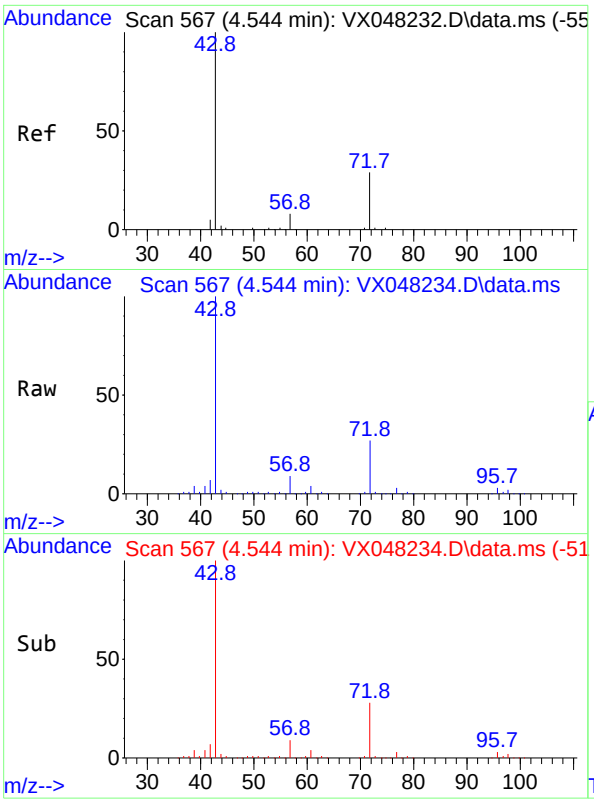




#24
1,1-Dichloroethane
Concen: 145.389 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 63 Resp: 342500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.5 | 10.6 |
| 100 | 4.7 | 2.1 | 6.3 |



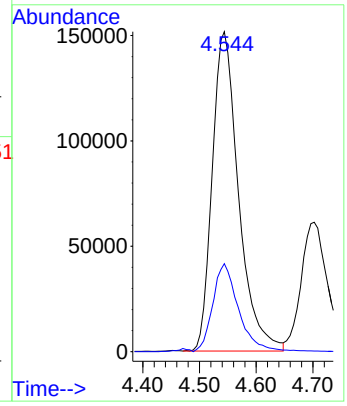


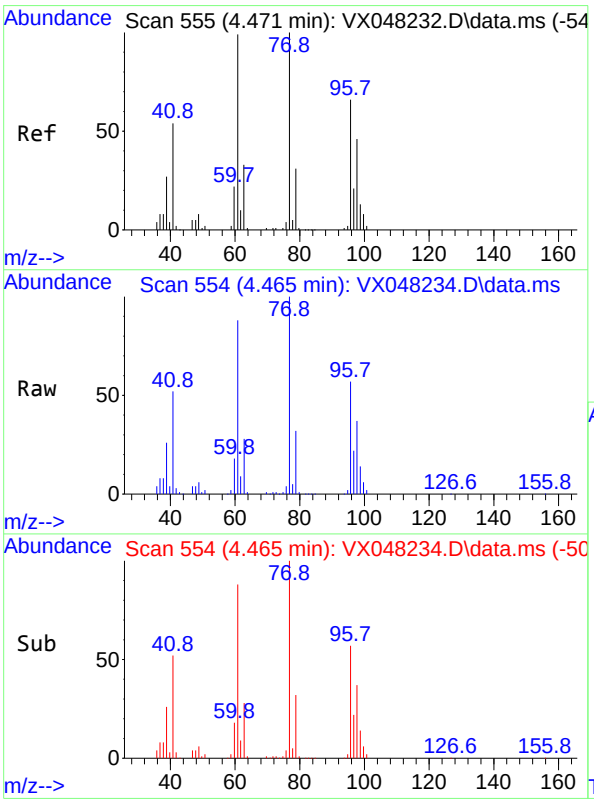

#25
2-Butanone
Concen: 714.037 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 487152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.0 | 19.9 | 29.9 |

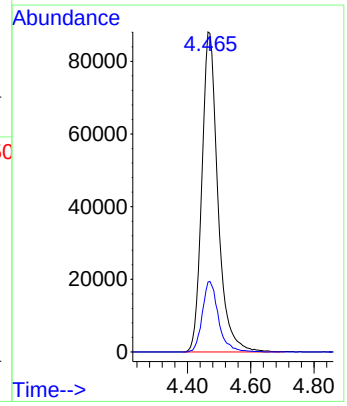


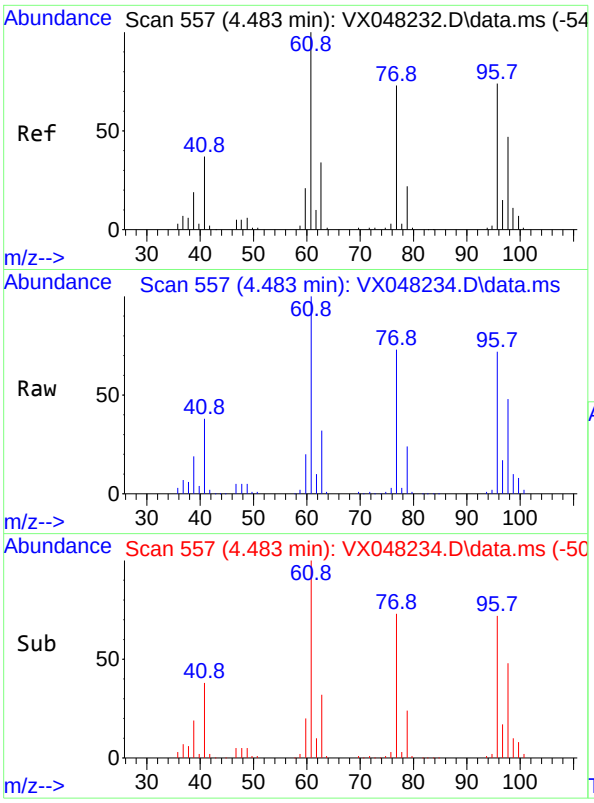




#26
2,2-Dichloropropane
Concen: 146.061 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 77 Resp: 310572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 11.1 | 33.3 |



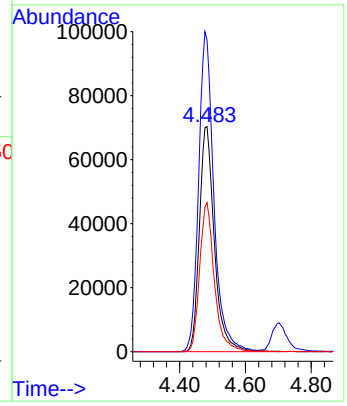


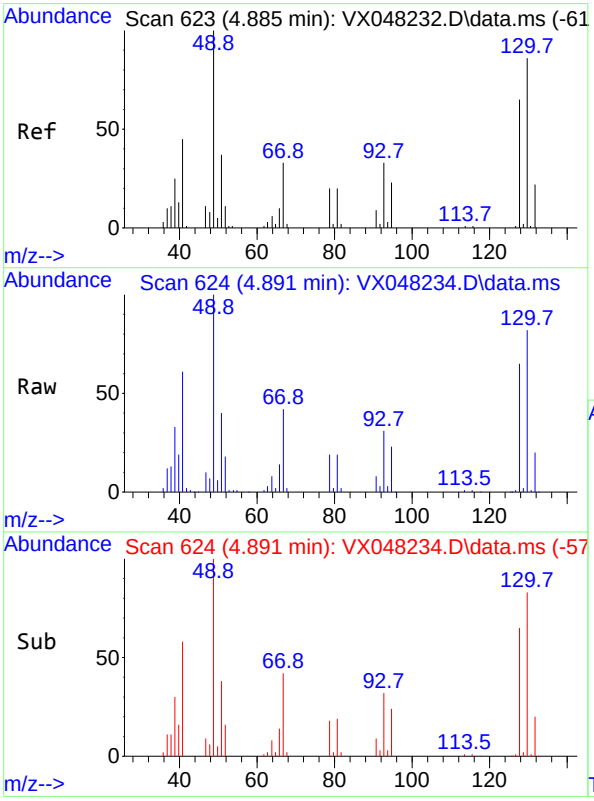

#27
cis-1,2-Dichloroethene
Concen: 147.429 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 222359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.4 | 0.0 | 294.2 |
| 98 | 65.1 | 0.0 | 128.4 |

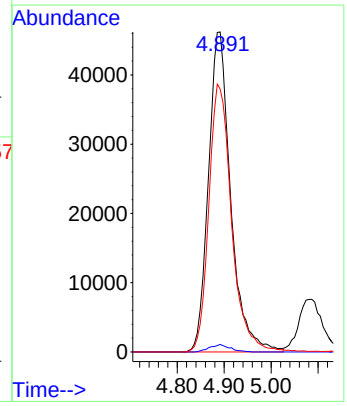


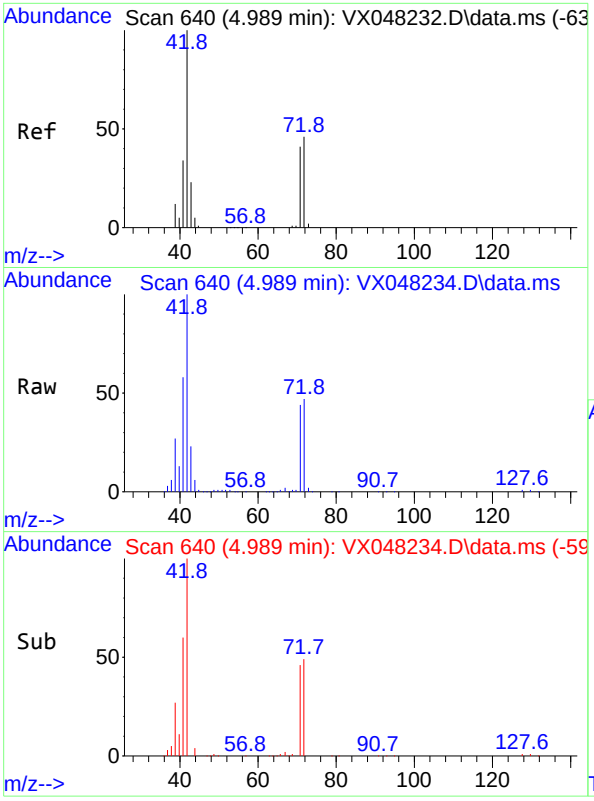




#28
Bromochloromethane
Concen: 155.420 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 49 Resp: 151812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.4 |
| 130 | 85.6 | 59.3 | 88.9 |



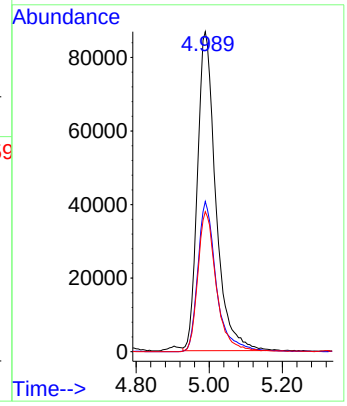


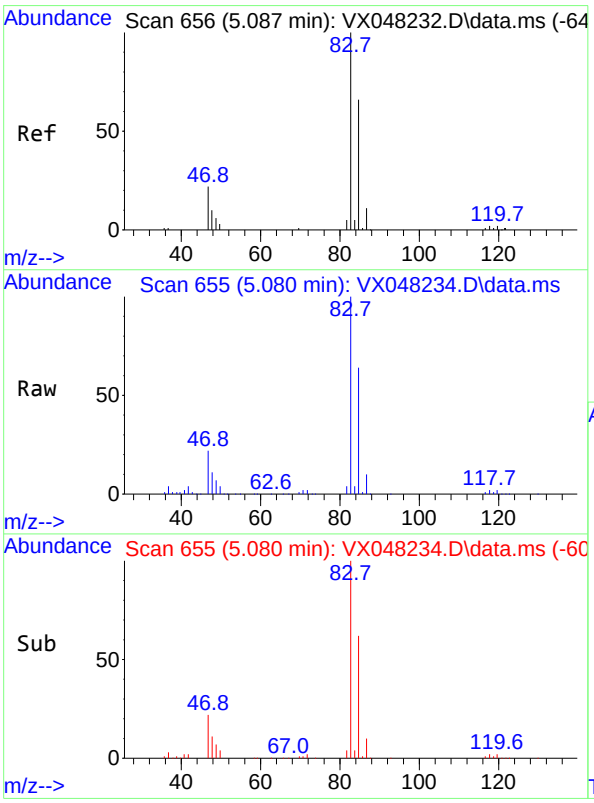

#29
Tetrahydrofuran
Concen: 738.481 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 42 Resp: 301745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 47.8 | 35.3 | 52.9 |
| 71 | 44.1 | 32.2 | 48.4 |

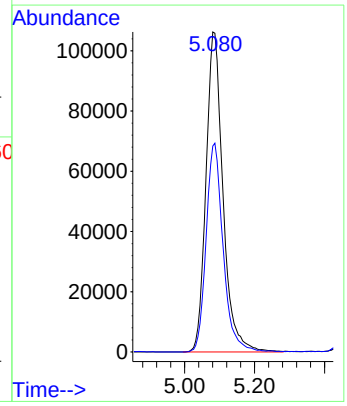


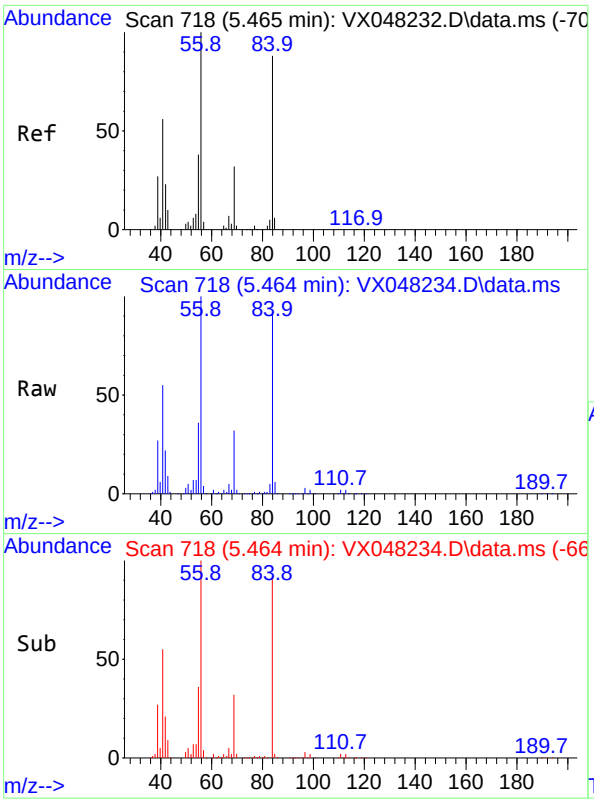




#30
Chloroform
Concen: 142.490 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 83 Resp: 358626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 50.1 | 75.1 |



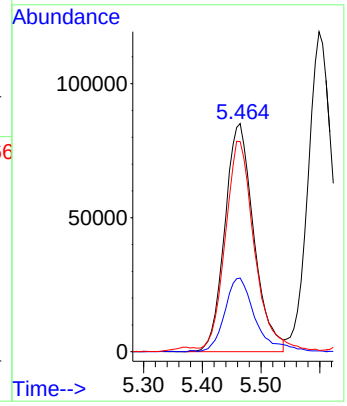


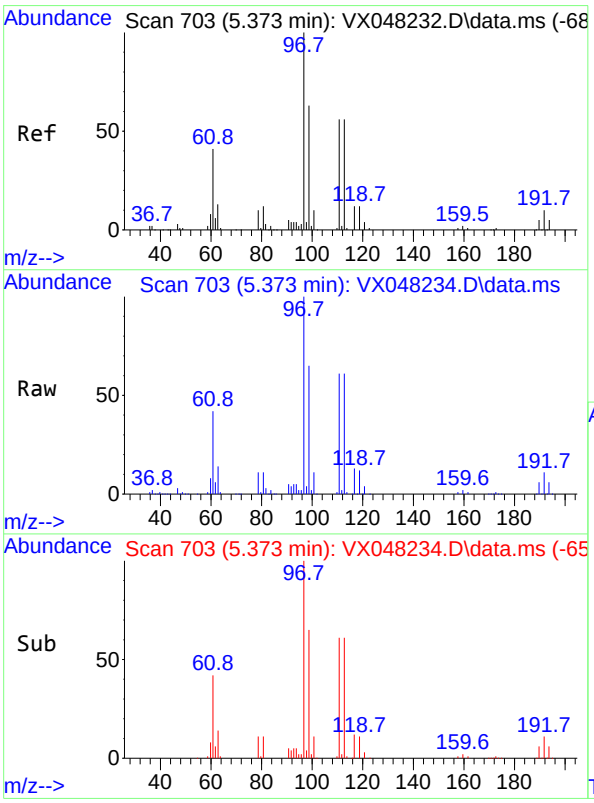

#31
Cyclohexane
Concen: 149.360 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 291302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.3 | 23.0 | 34.6 |
| 84 | 90.1 | 64.6 | 97.0 |

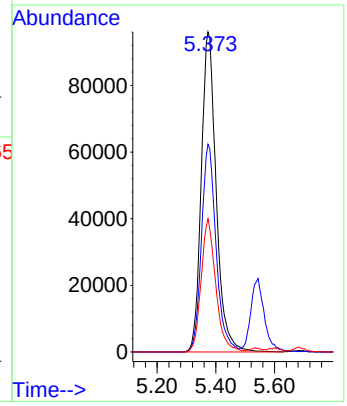


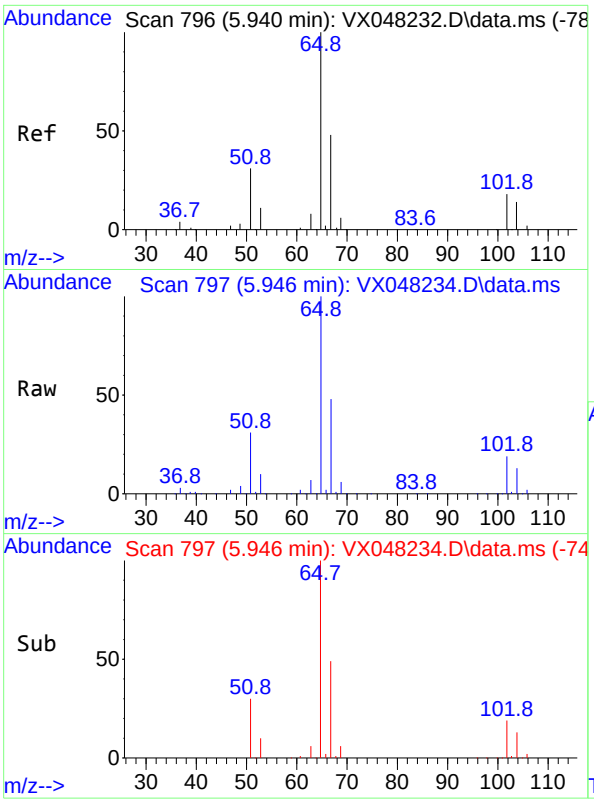




#32
1,1,1-Trichloroethane
Concen: 145.916 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 97 Resp: 338462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 51.7 | 77.5 |
| 61 | 40.8 | 34.8 | 52.2 |



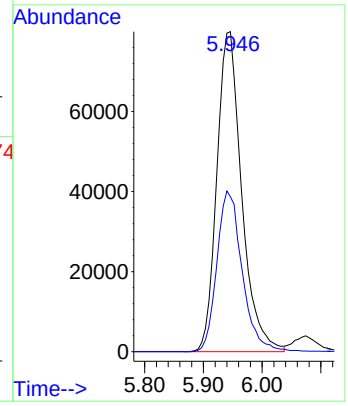


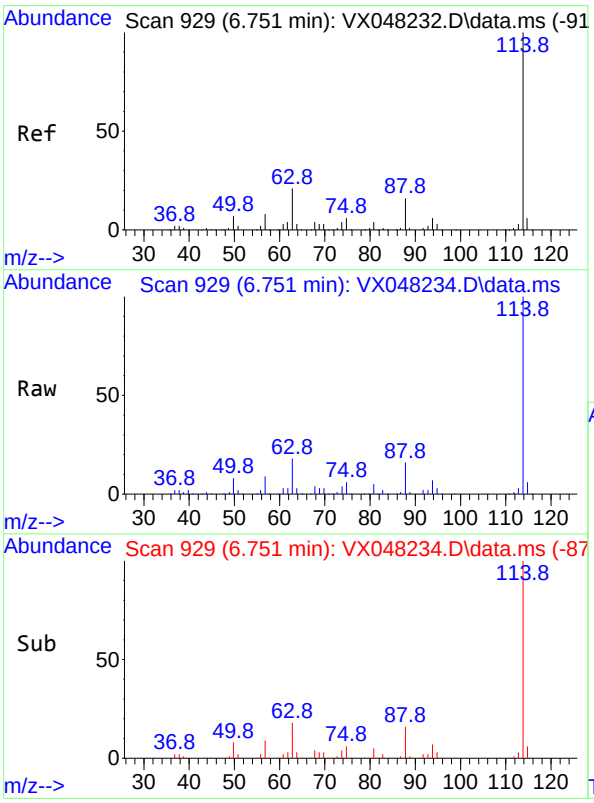

#33
1,2-Dichloroethane-d4
Concen: 149.444 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 65 Resp: 234807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.2 | 0.0 | 105.0 |

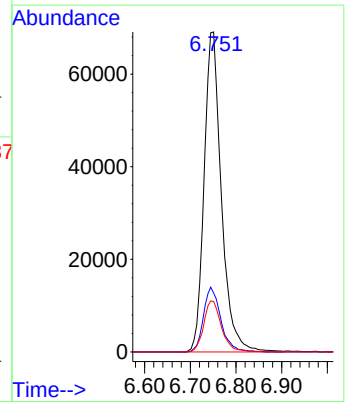


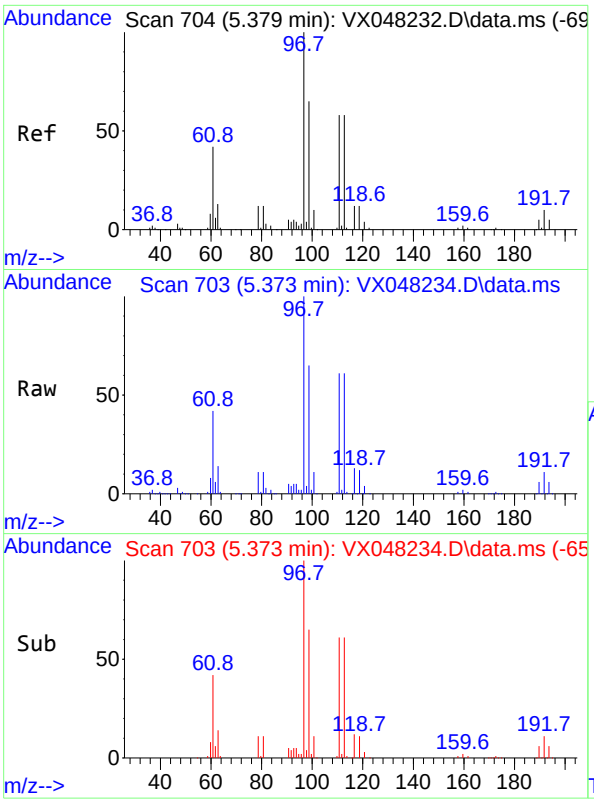




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:114 Resp: 180904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.4 | 0.0 | 43.2 |
| 88 | 15.8 | 0.0 | 33.6 |



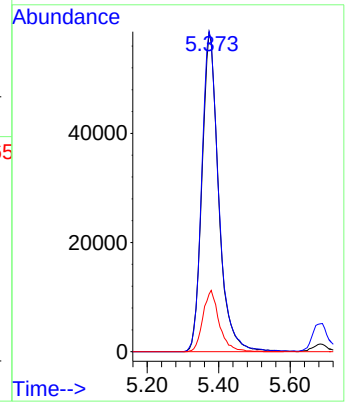


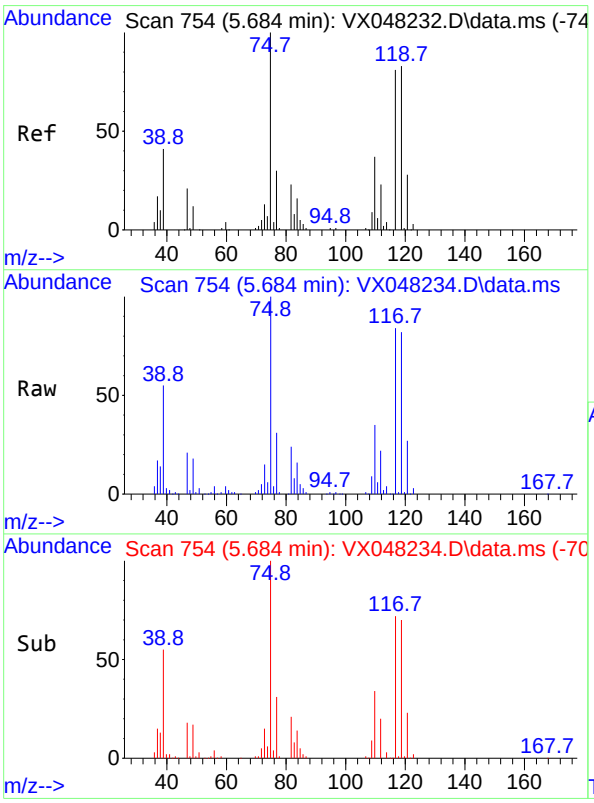

#35
Dibromofluoromethane
Concen: 152.889 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:113 Resp: 188821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.5 | 82.2 | 123.4 |
| 192 | 18.8 | 15.1 | 22.7 |

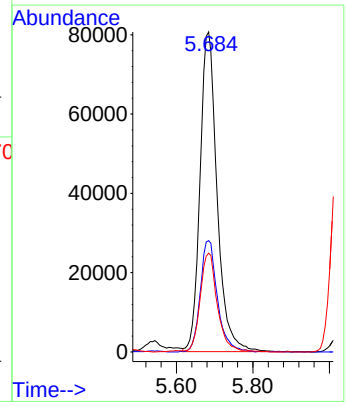


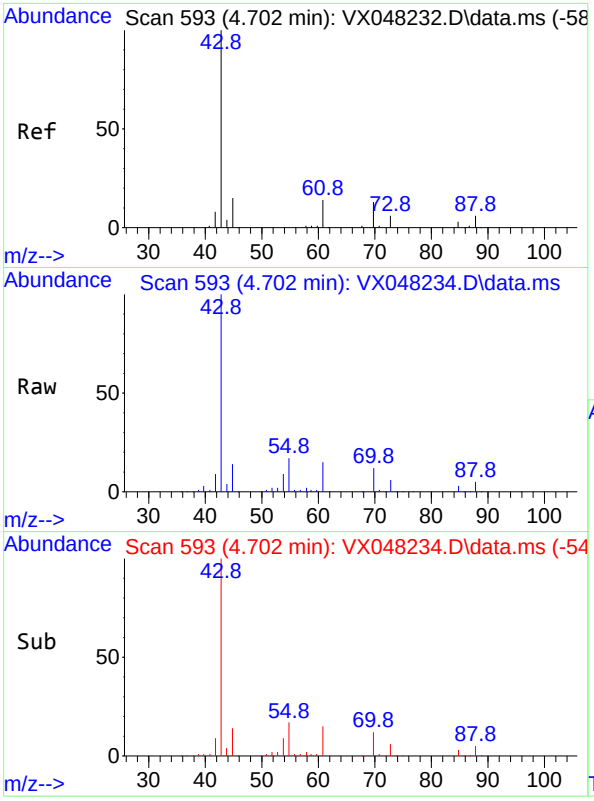




#36
1,1-Dichloropropene
Concen: 142.243 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 249688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.0 | 17.7 | 53.1 |
| 77 | 31.2 | 24.3 | 36.5 |



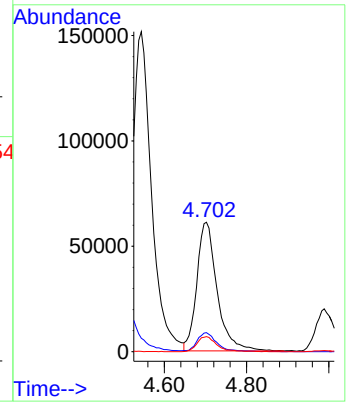


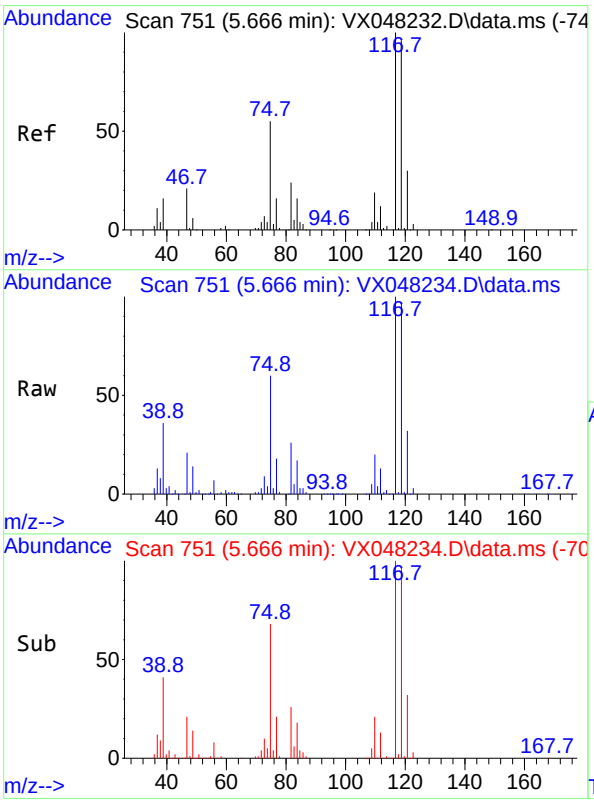

#37
Ethyl Acetate
Concen: 143.380 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 208614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.1 | 10.6 | 15.8 |
| 70 | 11.2 | 7.8 | 11.6 |

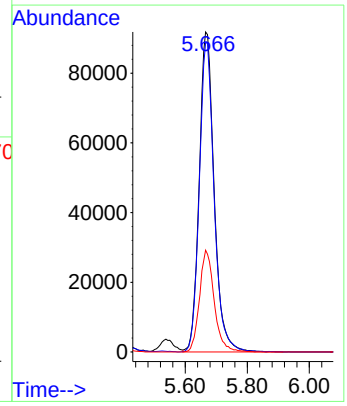


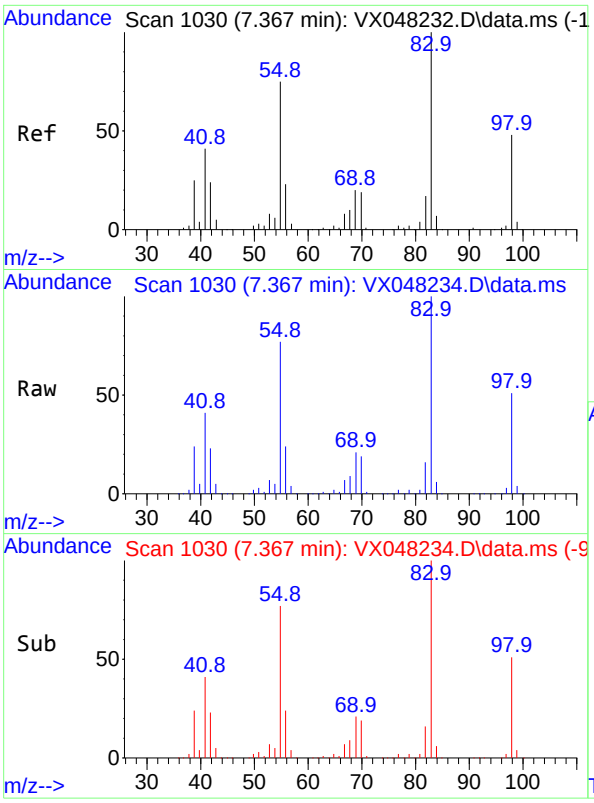




#38
Carbon Tetrachloride
Concen: 142.169 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:117 Resp: 307892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 77.2 | 115.8 |
| 121 | 31.8 | 24.8 | 37.2 |



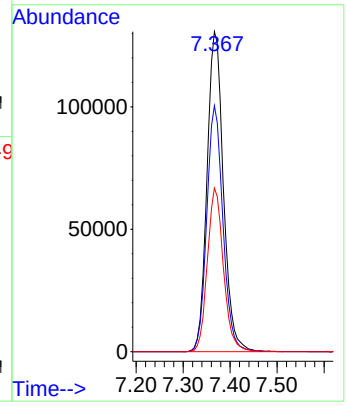


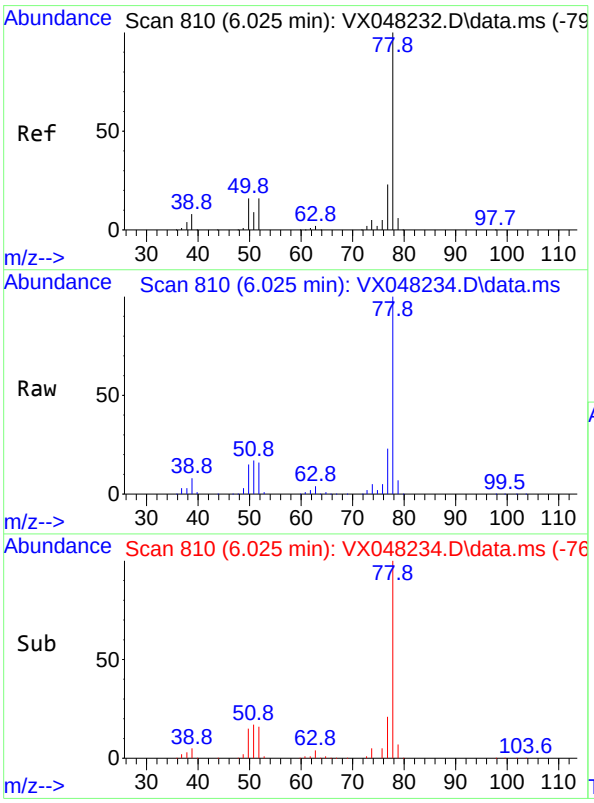

#39
Methylcyclohexane
Concen: 152.387 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 315911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.9 | 66.2 | 99.2 |
| 98 | 51.1 | 38.9 | 58.3 |

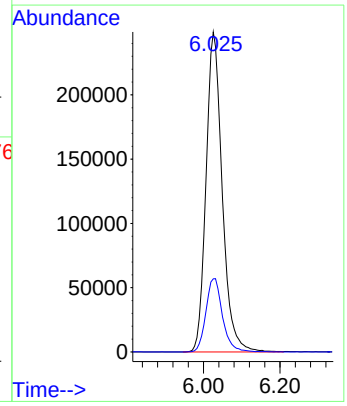


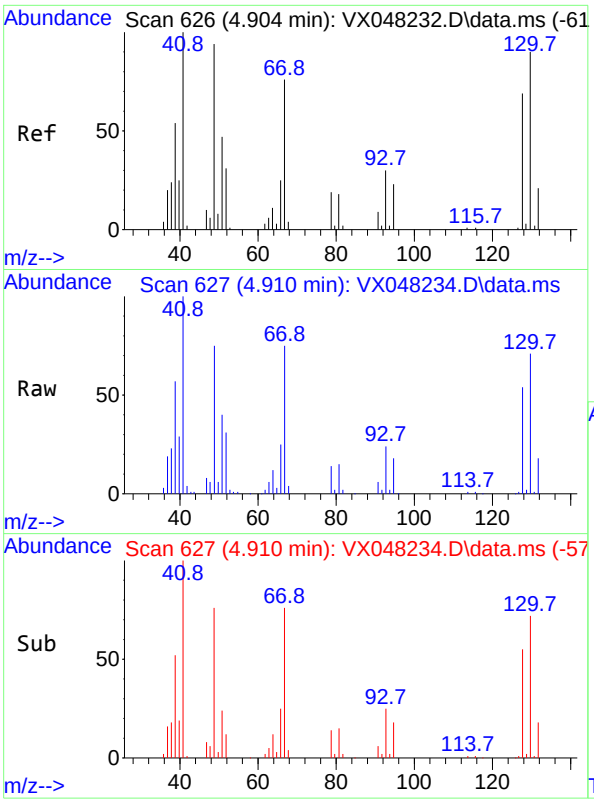




#40
Benzene
Concen: 143.416 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 78 Resp: 730908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.8 | 19.3 | 28.9 |



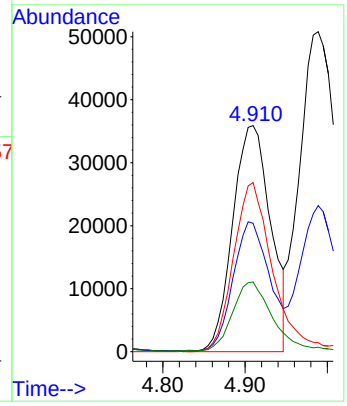


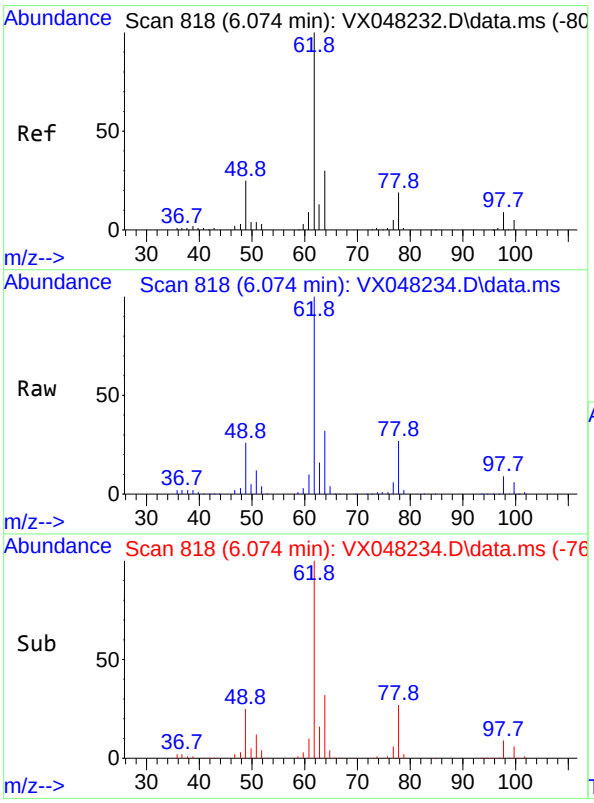

#41
Methacrylonitrile
Concen: 150.966 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 41 Resp: 115351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.0 | 44.0 | 66.0 |
| 67 | 78.1 | 58.7 | 88.1 |
| 52 | 32.5 | 25.9 | 38.9 |

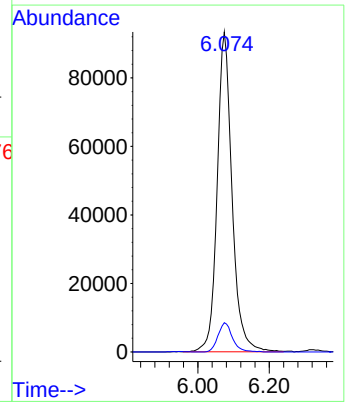


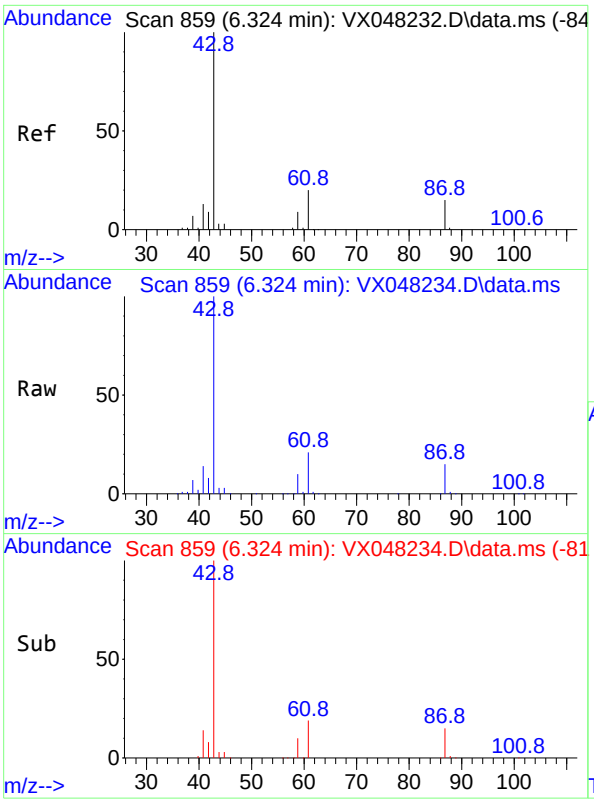




#42
1,2-Dichloroethane
Concen: 143.169 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 62 Resp: 269245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 17.2 |



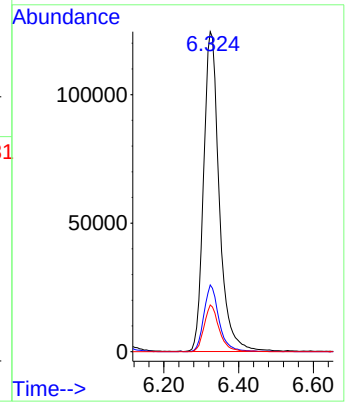


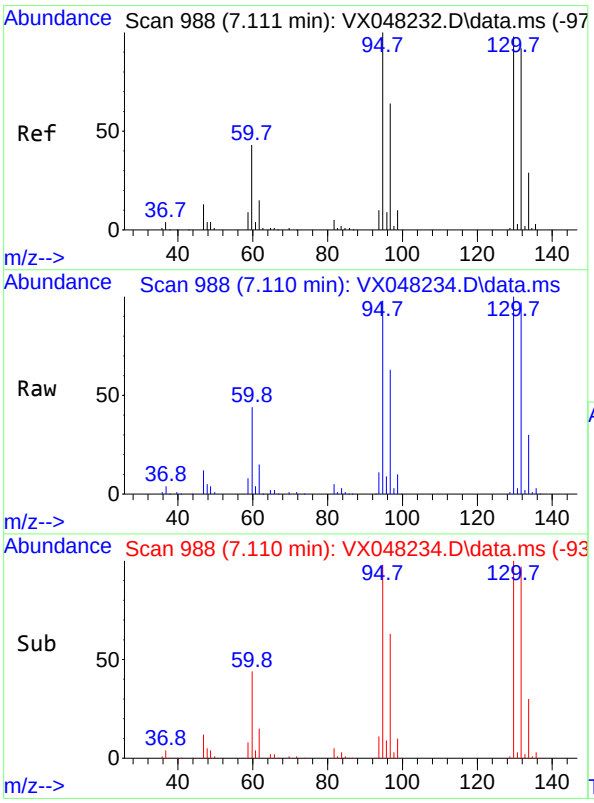

#43
Isopropyl Acetate
Concen: 151.084 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 361084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.2 | 14.9 | 22.3 |
| 87 | 14.0 | 9.4 | 14.2 |

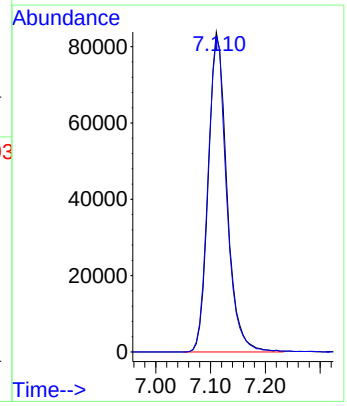


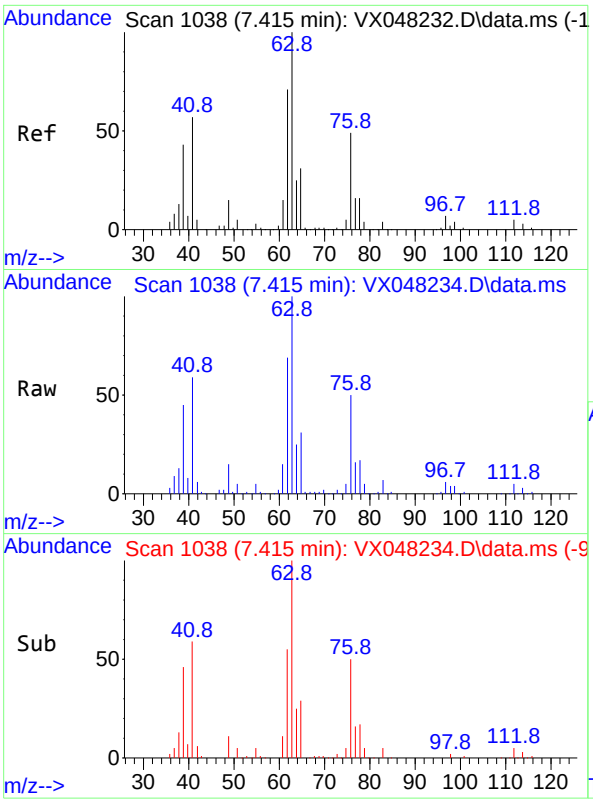




#44
Trichloroethene
Concen: 146.572 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:130 Resp: 197244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.5 | 0.0 | 200.6 |



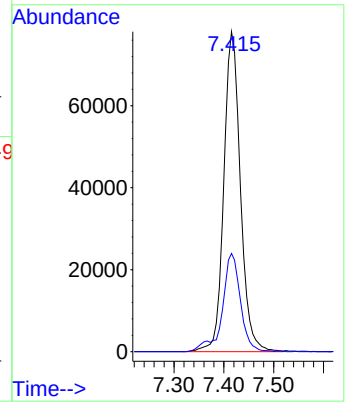


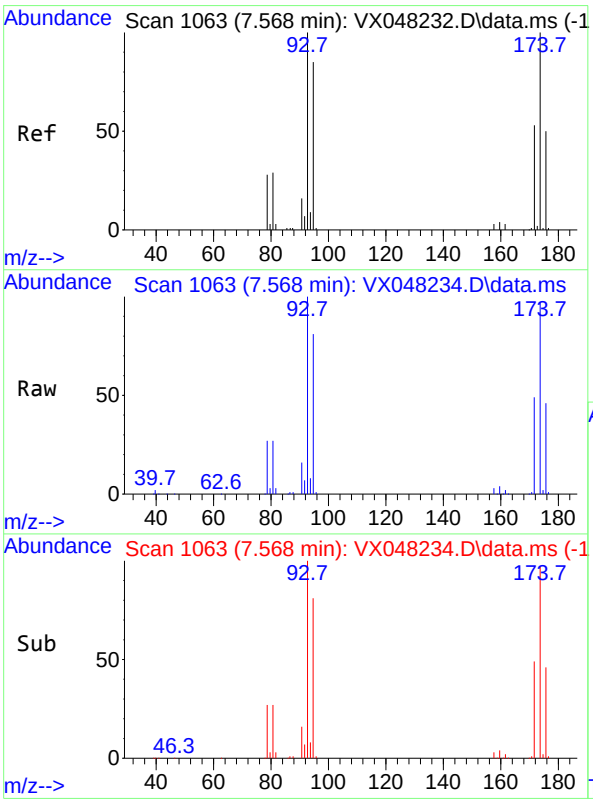

#45
1,2-Dichloropropane
Concen: 149.063 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 63 Resp: 180619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 24.1 | 36.1 |

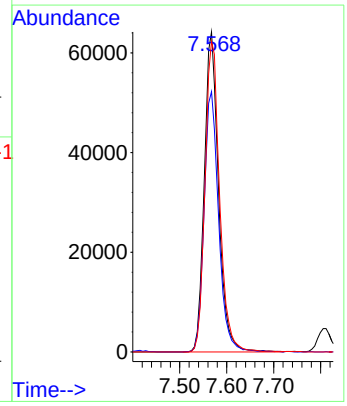


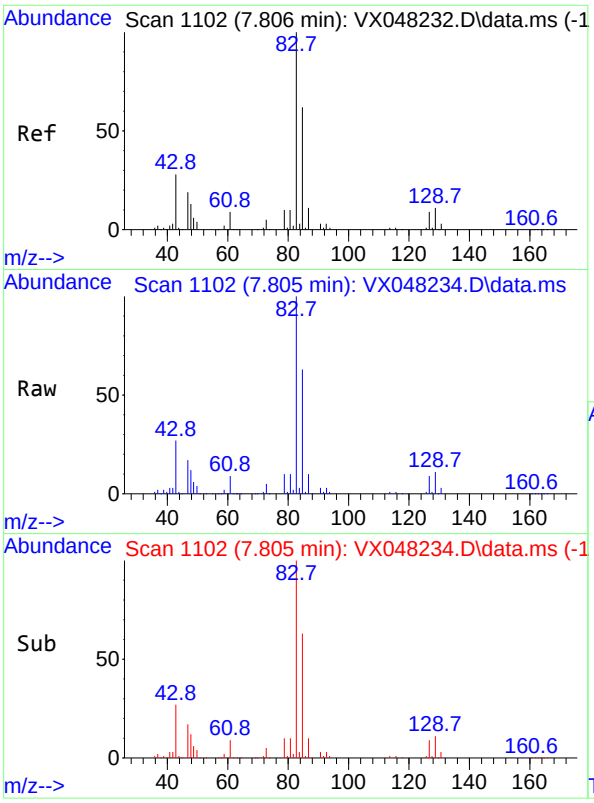




#46
Dibromomethane
Concen: 143.118 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 93 Resp: 135105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.9 | 65.9 | 98.9 |
| 174 | 99.5 | 71.7 | 107.5 |



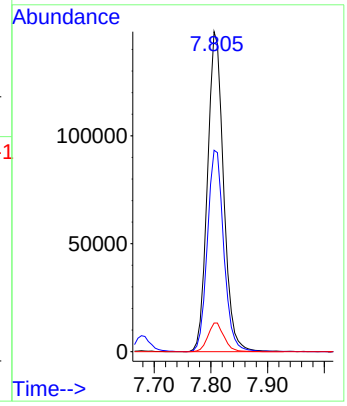


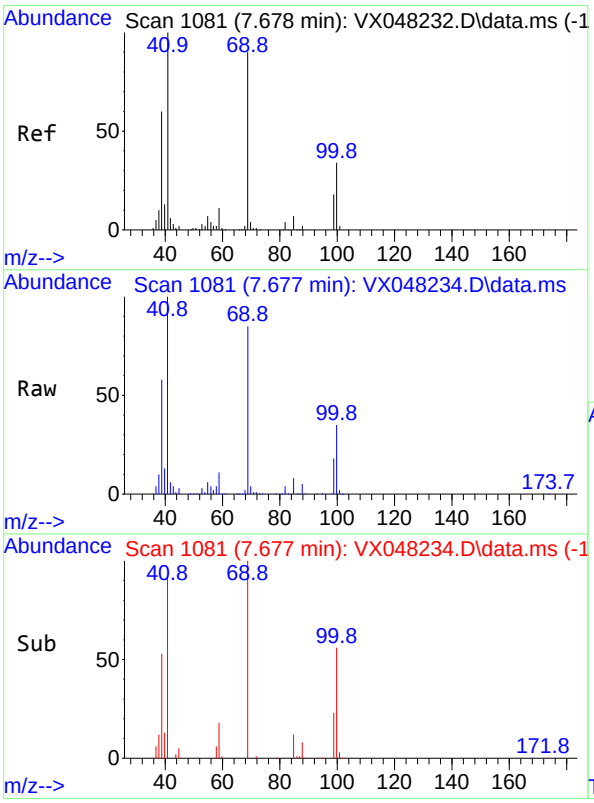

#47
Bromodichloromethane
Concen: 143.290 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 292063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.9 | 52.2 | 78.4 |
| 127 | 8.9 | 7.3 | 10.9 |

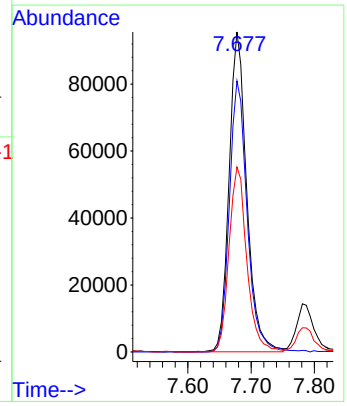


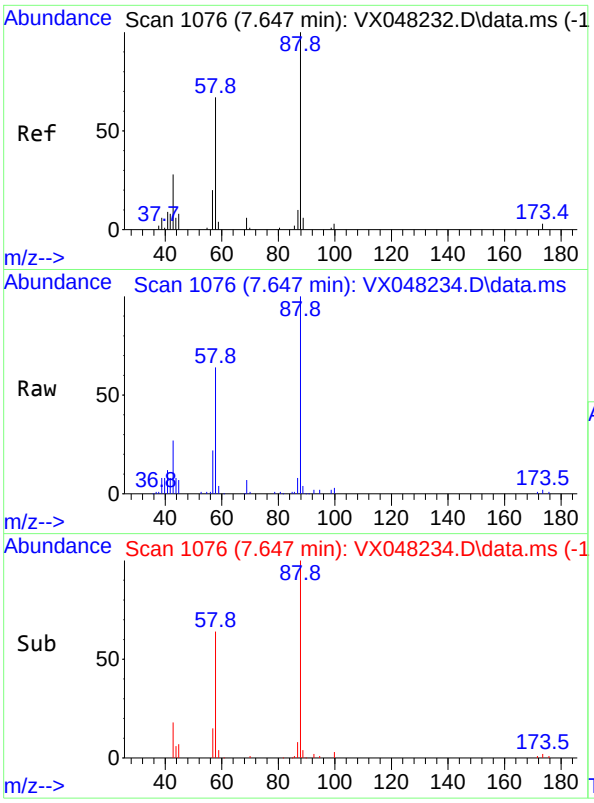




#48
Methyl methacrylate
Concen: 152.865 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 41 Resp: 184354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.0 | 63.4 | 95.0 |
| 39 | 58.5 | 47.1 | 70.7 |



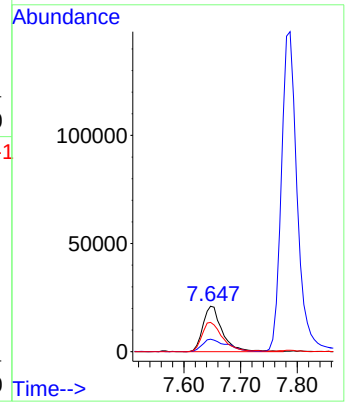


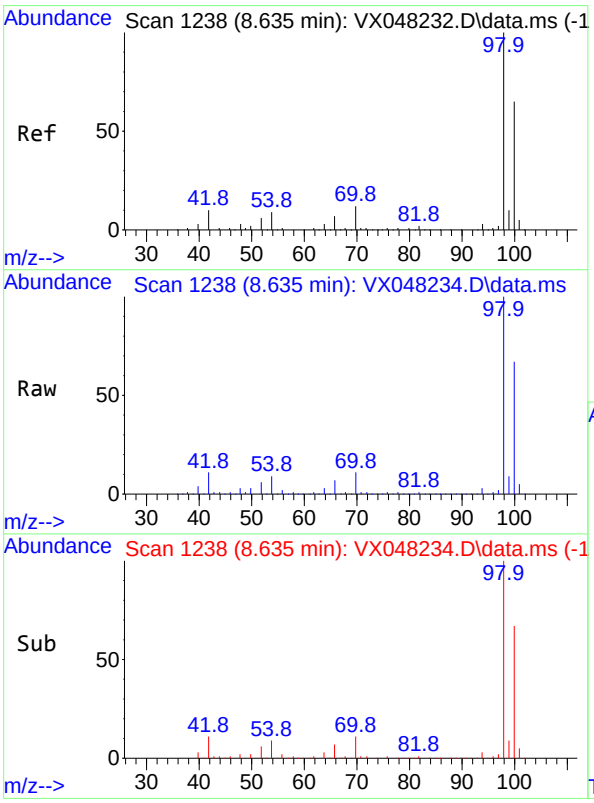

#49
1,4-Dioxane
Concen: 3131.591 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 88 Resp: 49895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.6 | 35.0 | 52.4 |
| 58 | 67.7 | 61.9 | 92.9 |

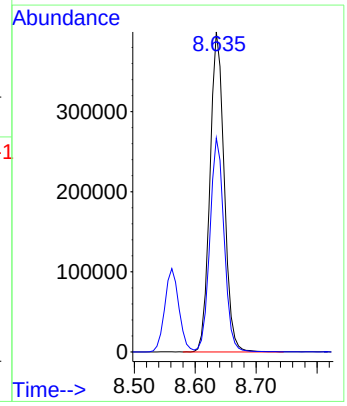


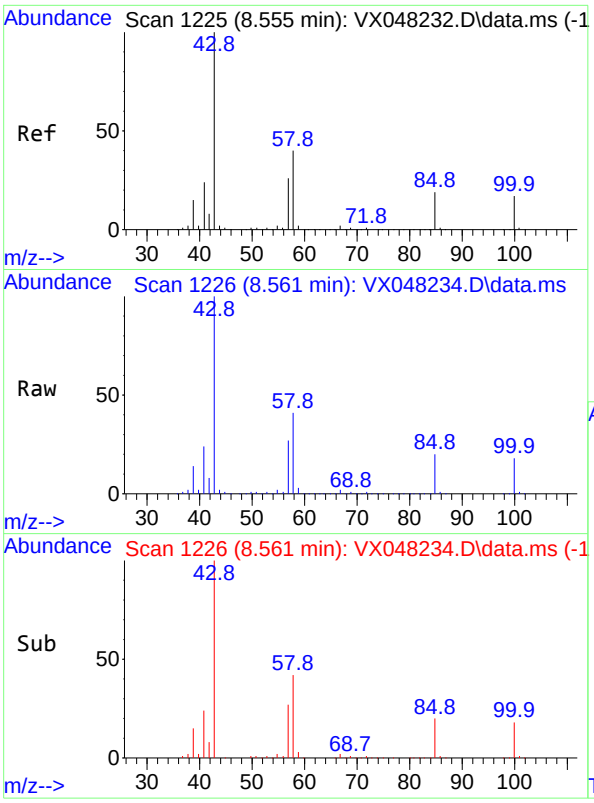




#50
Toluene-d8
Concen: 149.843 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 98 Resp: 648652

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



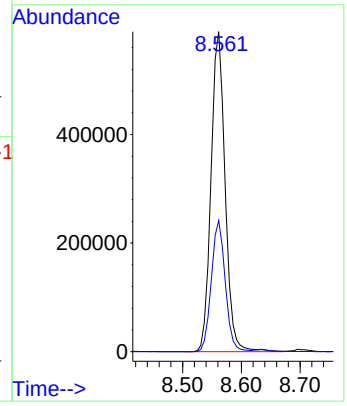


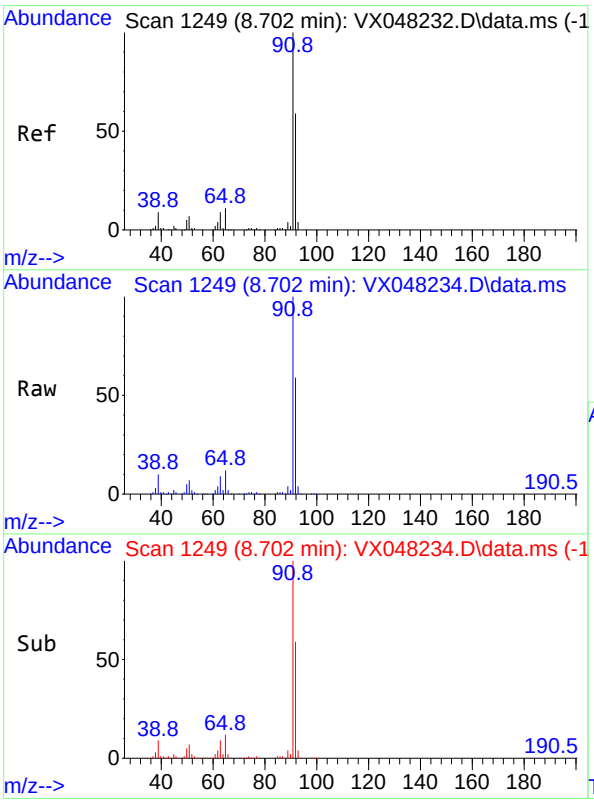

#51
4-Methyl-2-Pentanone
Concen: 713.457 ug/l
RT: 8.561 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 983125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.4 | 29.5 | 44.3 |

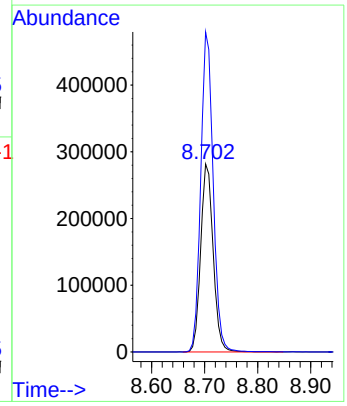


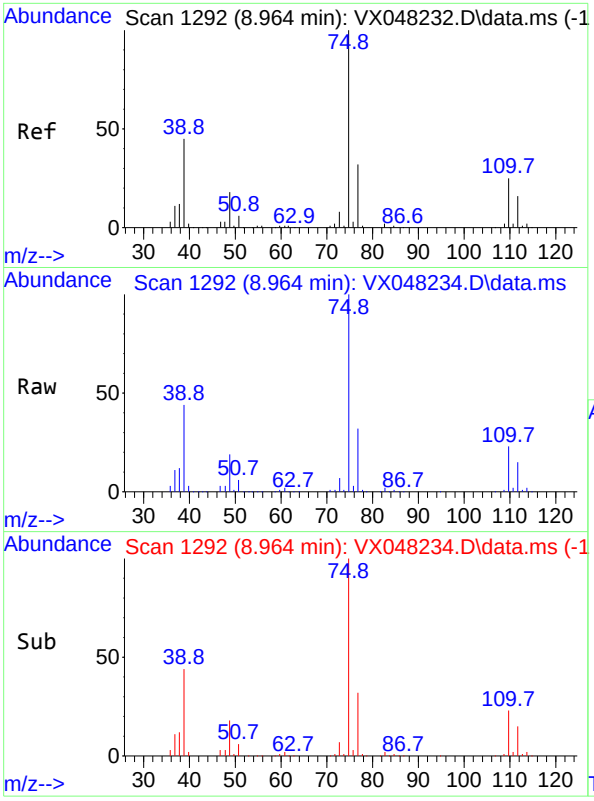




#52
Toluene
Concen: 142.307 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 92 Resp: 460742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.1 | 136.1 | 204.1 |



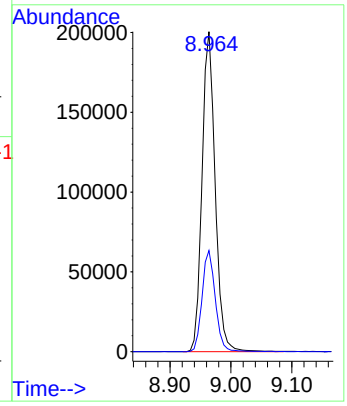


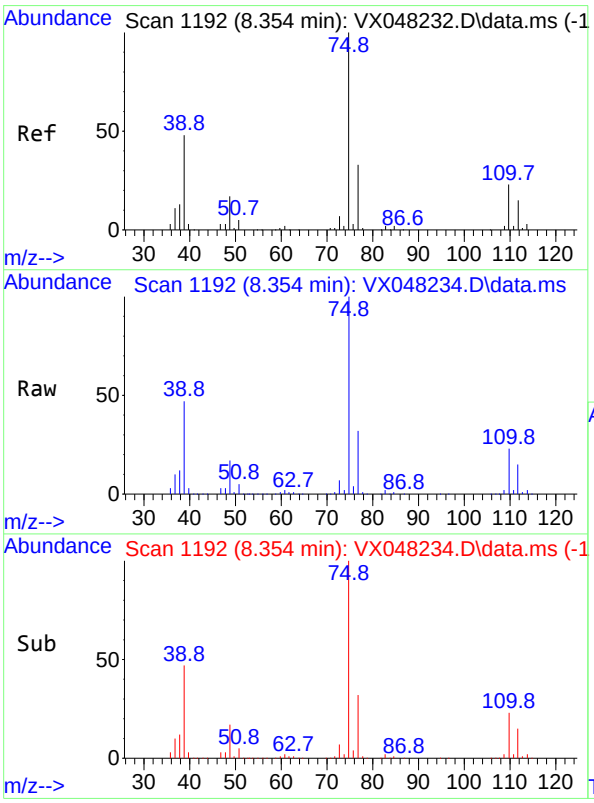

#53
t-1,3-Dichloropropene
Concen: 152.861 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 300251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.0 | 37.6 |

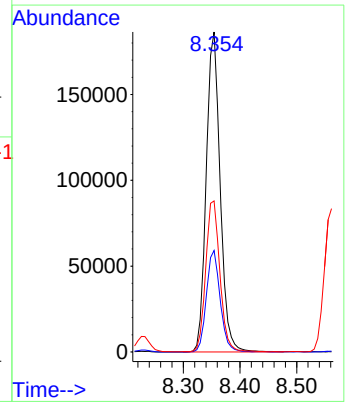


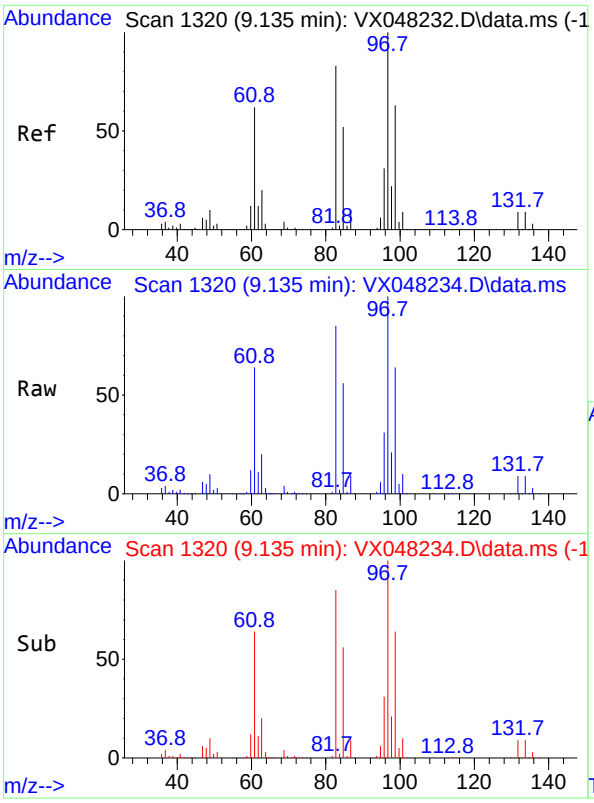




#54
cis-1,3-Dichloropropene
Concen: 149.763 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 317375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 24.9 | 37.3 |
| 39 | 47.1 | 42.6 | 64.0 |



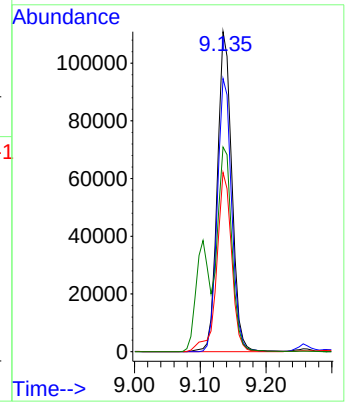


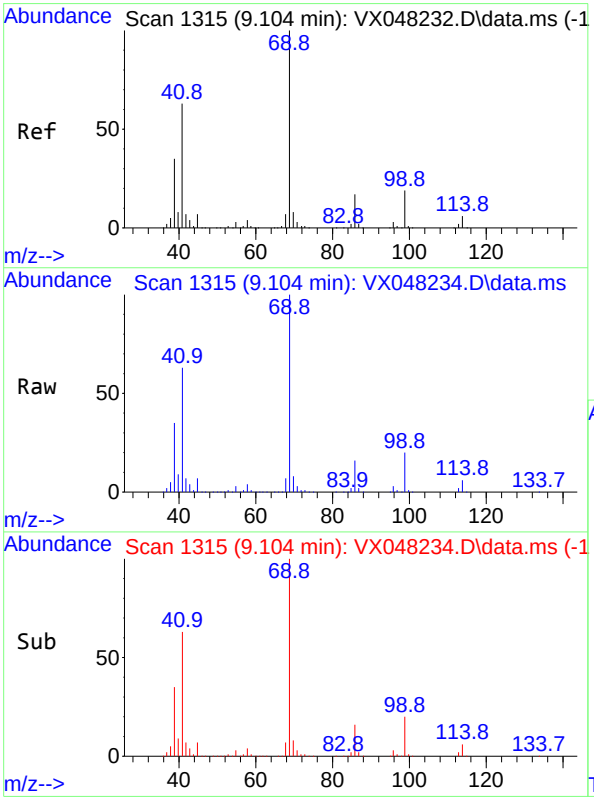

#55
1,1,2-Trichloroethane
Concen: 141.104 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 97 Resp: 169894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.4 | 70.6 | 105.8 |
| 85 | 56.0 | 45.0 | 67.6 |
| 99 | 63.9 | 50.9 | 76.3 |

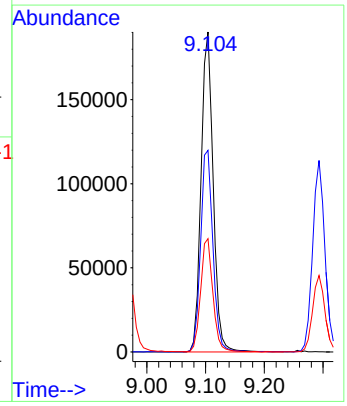


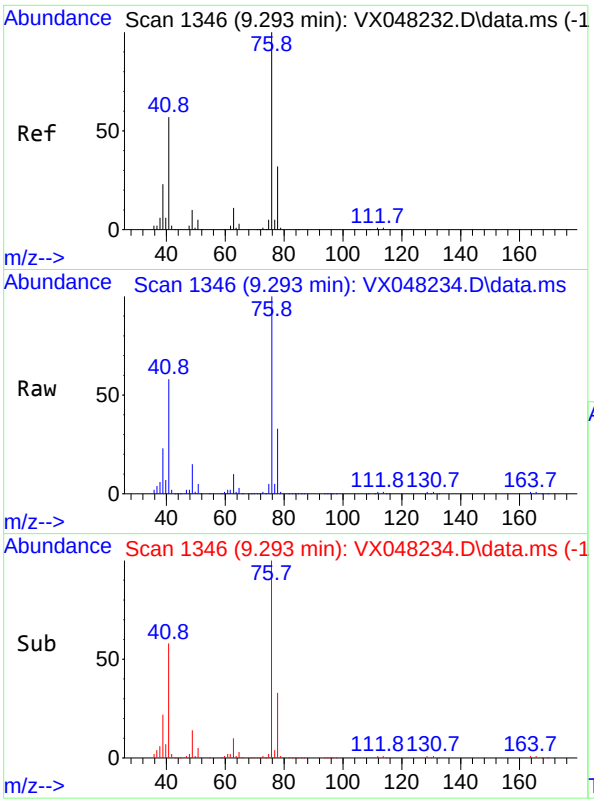




#56
Ethyl methacrylate
Concen: 154.550 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 69 Resp: 272177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.4 | 56.0 | 84.0 |
| 39 | 36.1 | 31.6 | 47.4 |



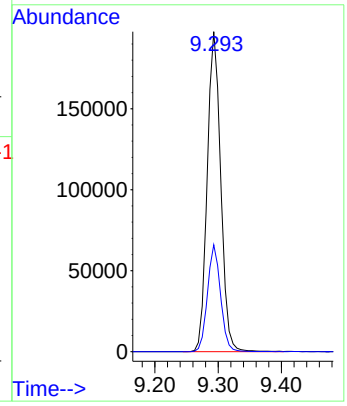


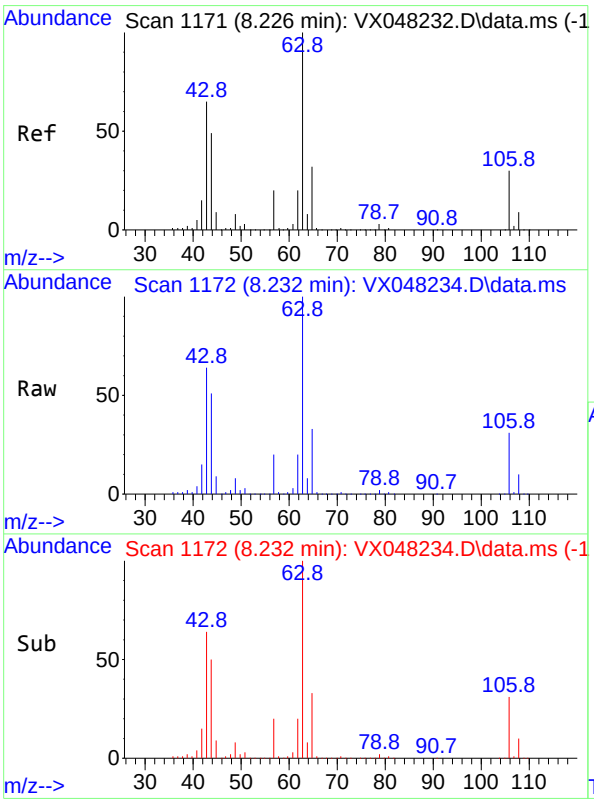

#57
1,3-Dichloropropane
Concen: 142.782 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 293650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 25.4 | 38.0 |

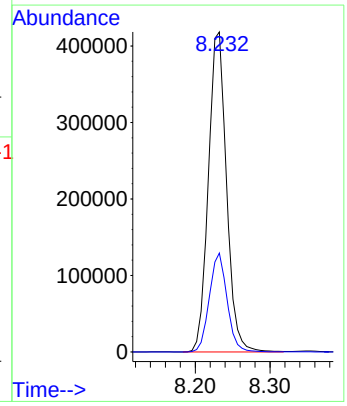


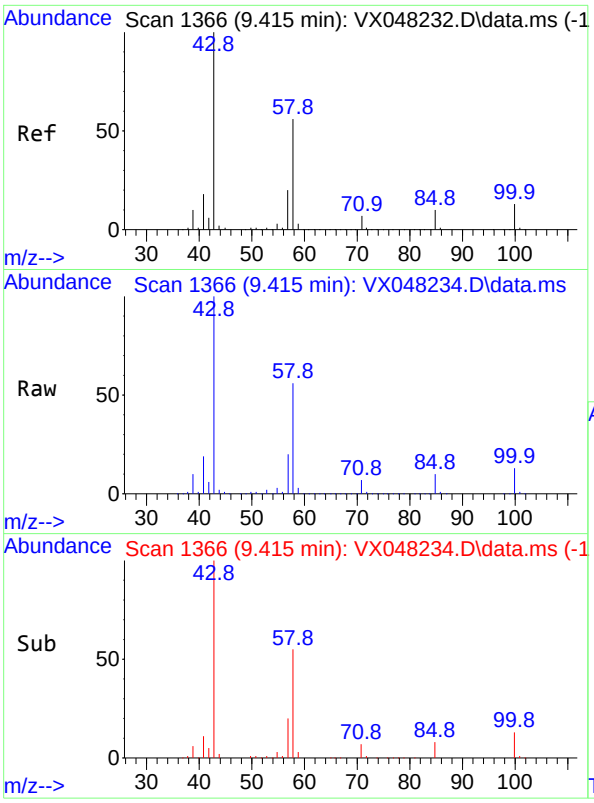




#58
2-Chloroethyl Vinyl ether
Concen: 741.966 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 63 Resp: 705780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.2 | 22.2 | 33.2 |



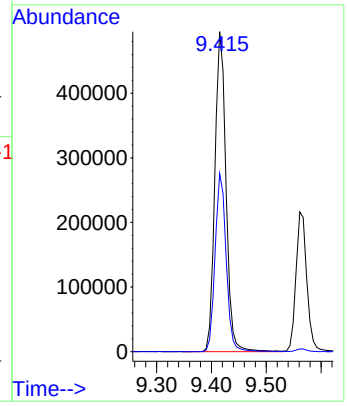


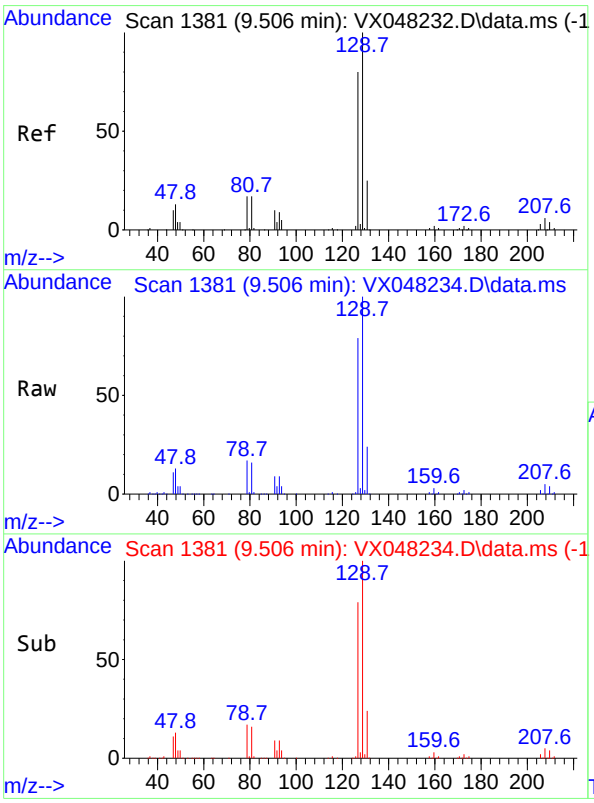

#59
2-Hexanone
Concen: 723.047 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 694736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.6 | 26.3 | 78.8 |

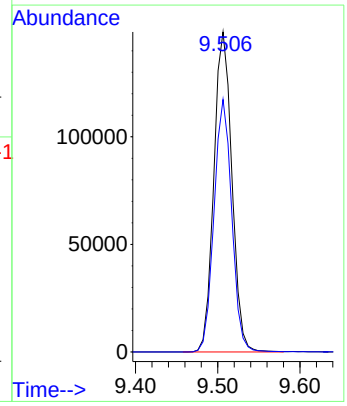


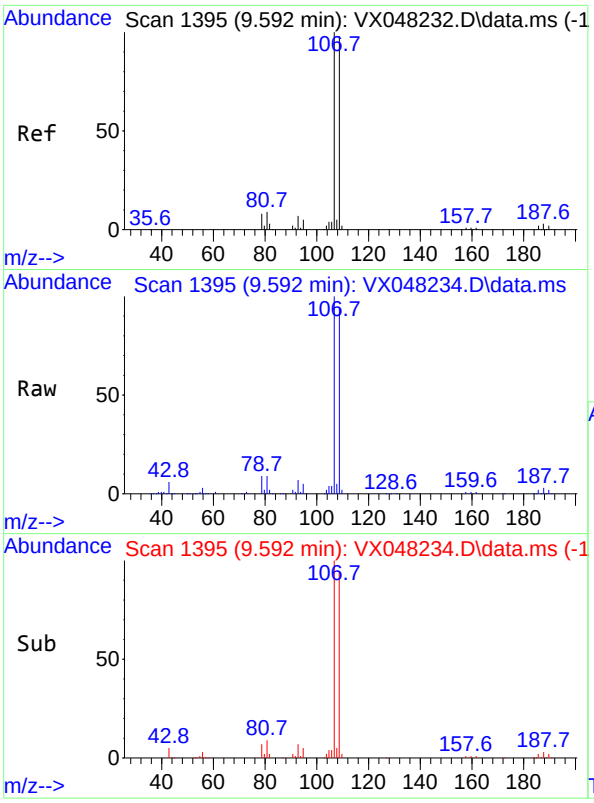




#60
Dibromochloromethane
Concen: 140.050 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:129 Resp: 226642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.8 | 38.6 | 115.7 |



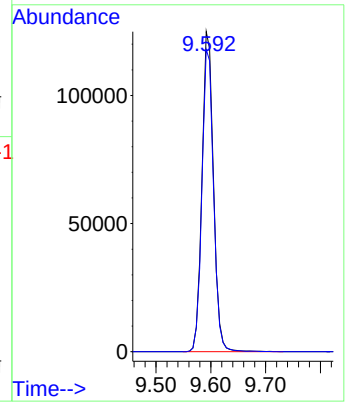


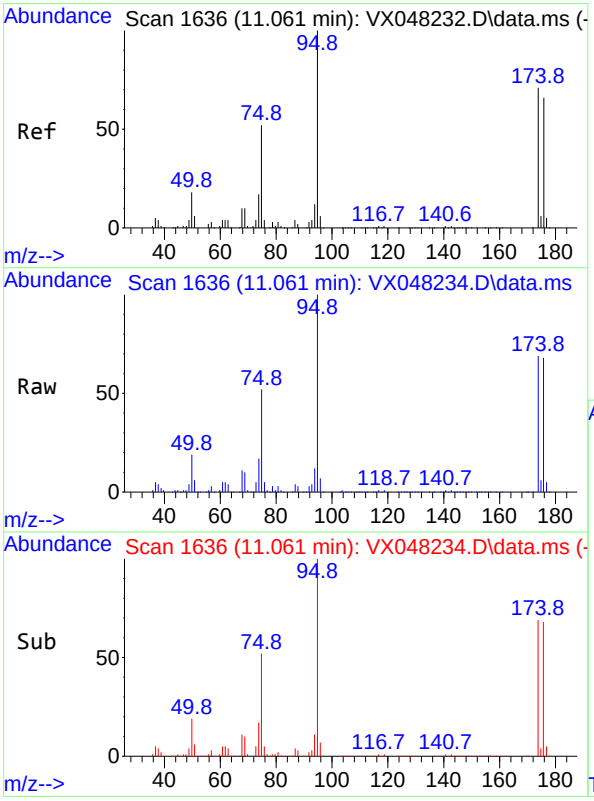

#61
1,2-Dibromoethane
Concen: 141.953 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:107 Resp: 182208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.6 | 77.0 | 115.4 |

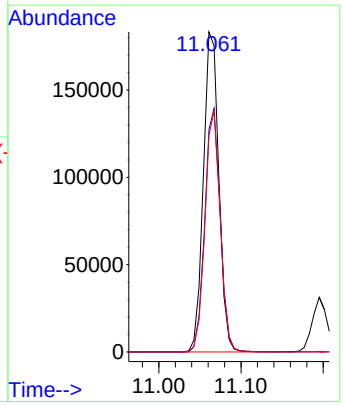


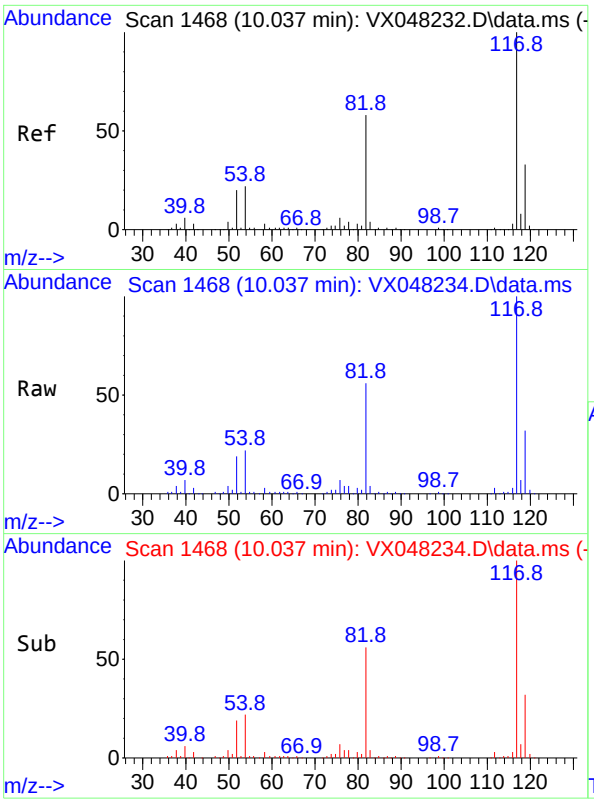




#62
4-Bromofluorobenzene
Concen: 145.308 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 95 Resp: 239298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.0 | 0.0 | 147.8 |
| 176 | 74.2 | 0.0 | 142.8 |



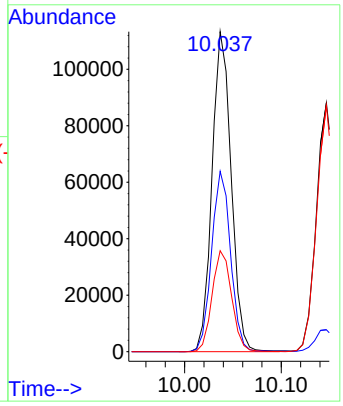


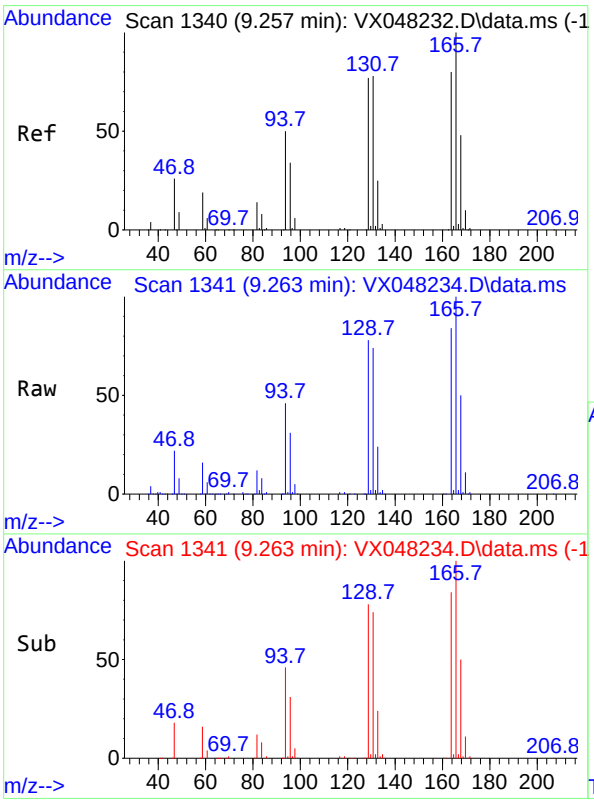

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:117 Resp: 155759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 46.5 | 69.7 |
| 119 | 31.5 | 25.9 | 38.9 |

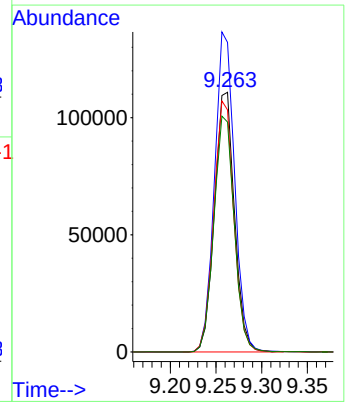


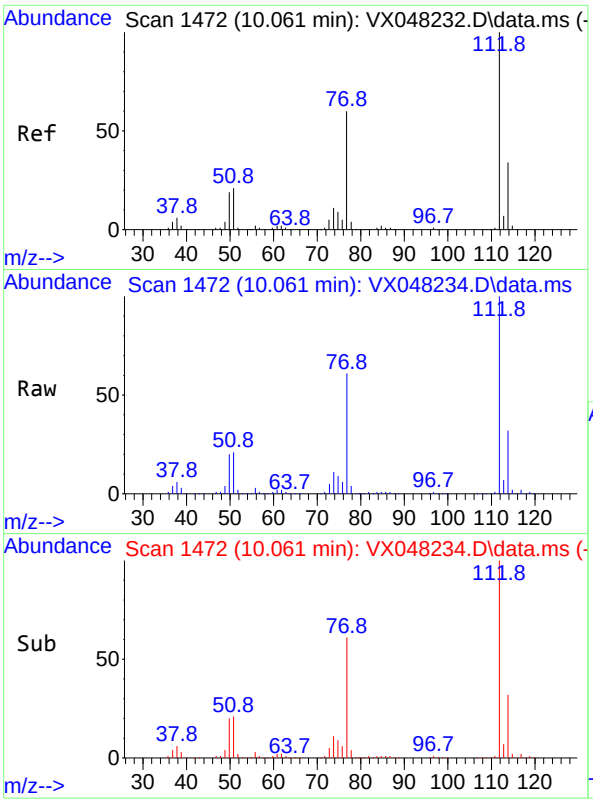




#64
Tetrachloroethene
Concen: 144.982 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:164 Resp: 168581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 119.3 | 104.5 | 156.7 |
| 129 | 93.2 | 81.8 | 122.6 |
| 131 | 88.6 | 77.0 | 115.6 |



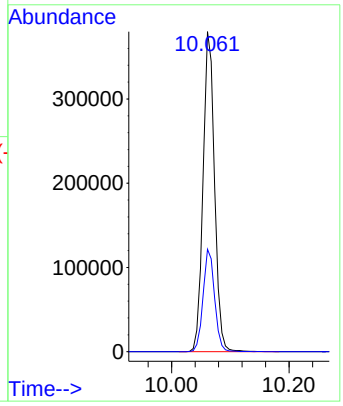


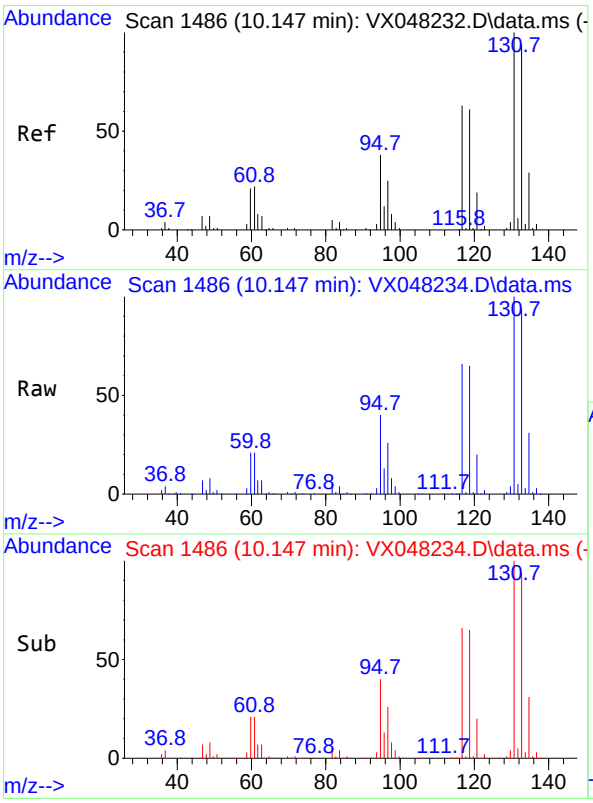

#65
Chlorobenzene
Concen: 146.973 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:112 Resp: 514967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 26.2 | 39.2 |

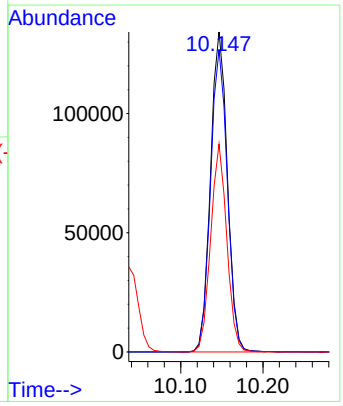


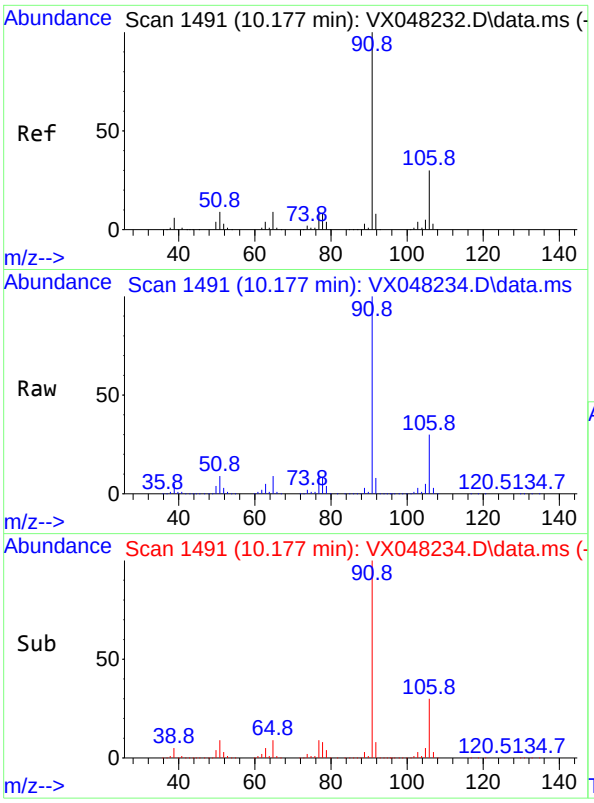




#66
1,1,1,2-Tetrachloroethane
Concen: 148.558 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:131 Resp: 191186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.4 | 47.6 | 142.8 |
| 119 | 62.3 | 32.5 | 97.5 |



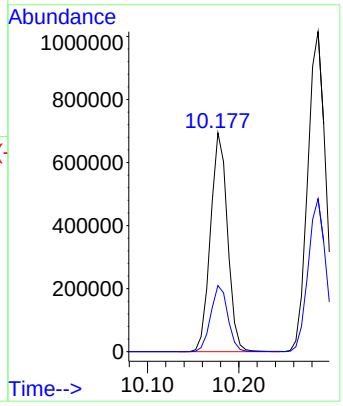


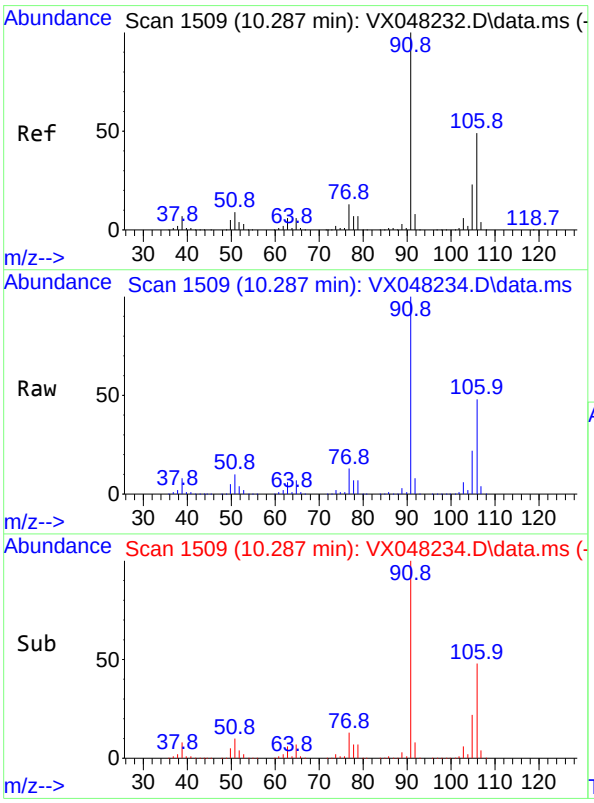

#67
Ethyl Benzene
Concen: 150.554 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 898137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.2 | 23.8 | 35.6 |

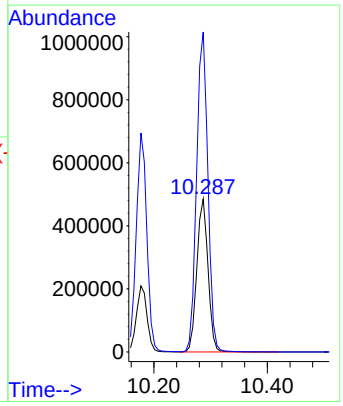


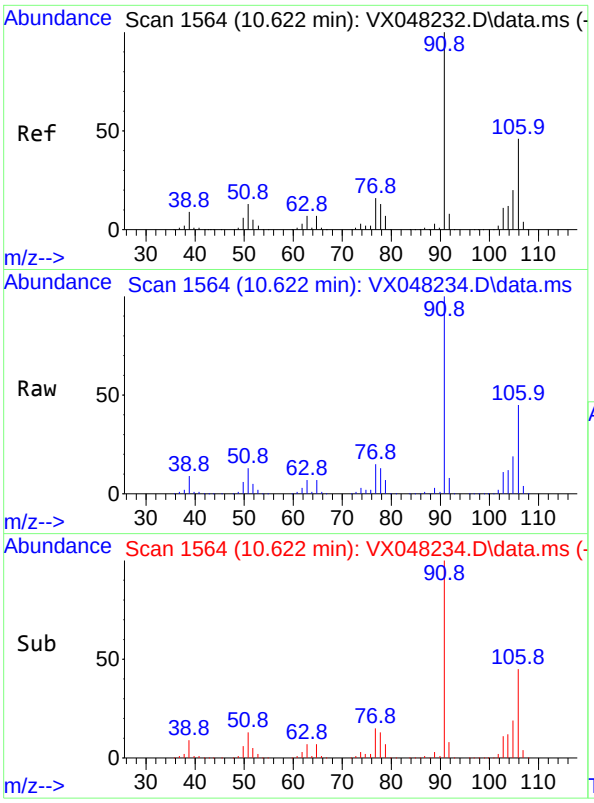




#68
m/p-Xylenes
Concen: 298.230 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:106 Resp: 661019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.4 | 167.9 | 251.9 |



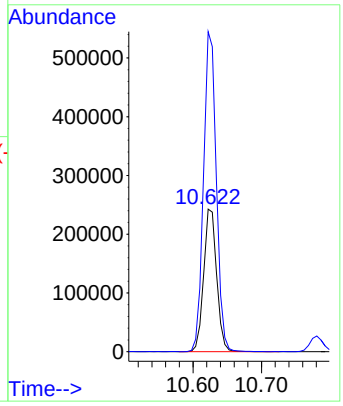


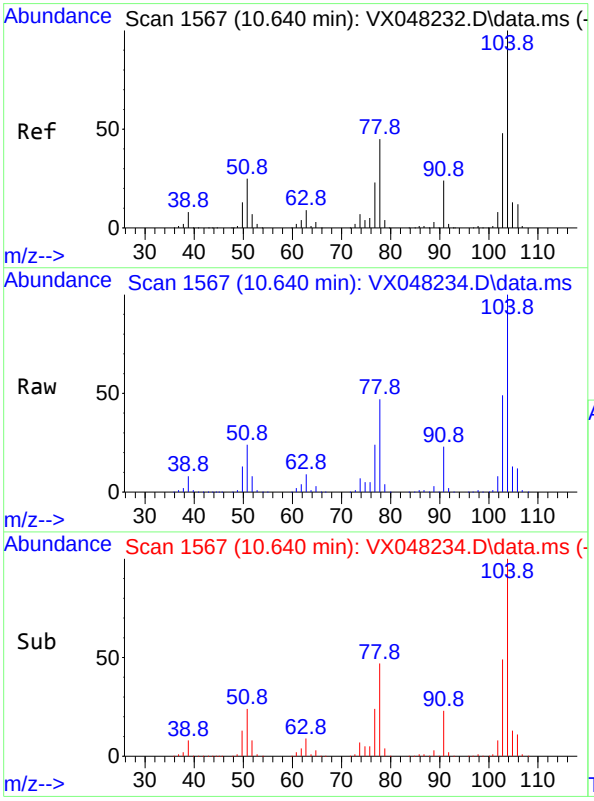

#69
o-Xylene
Concen: 149.698 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:106 Resp: 320334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.5 | 111.3 | 333.9 |

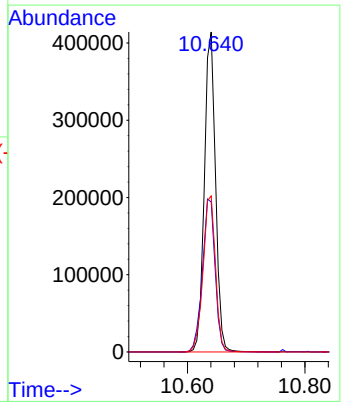


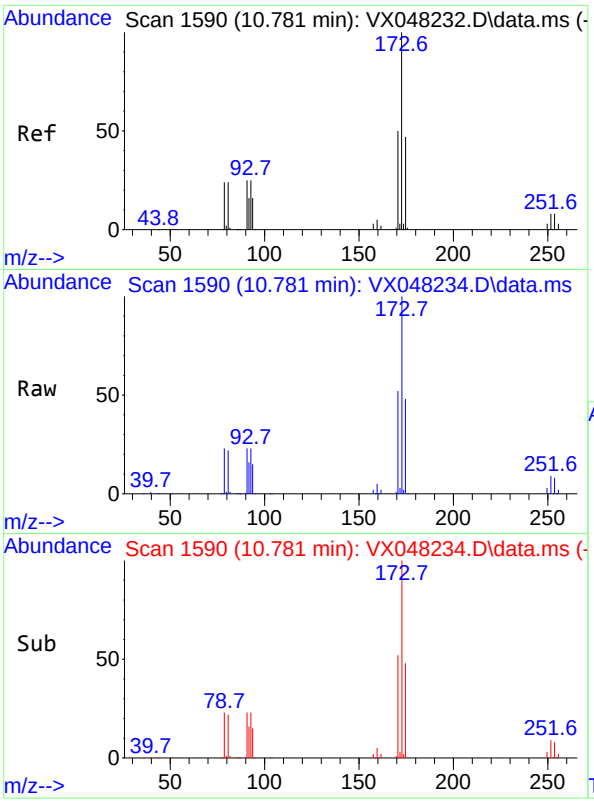




#70
Styrene
Concen: 150.439 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:104 Resp: 548149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.3 | 42.2 | 63.4 |
| 103 | 54.4 | 43.0 | 64.4 |



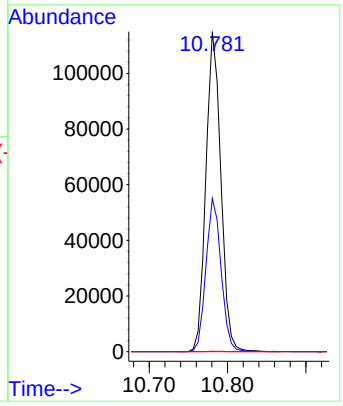


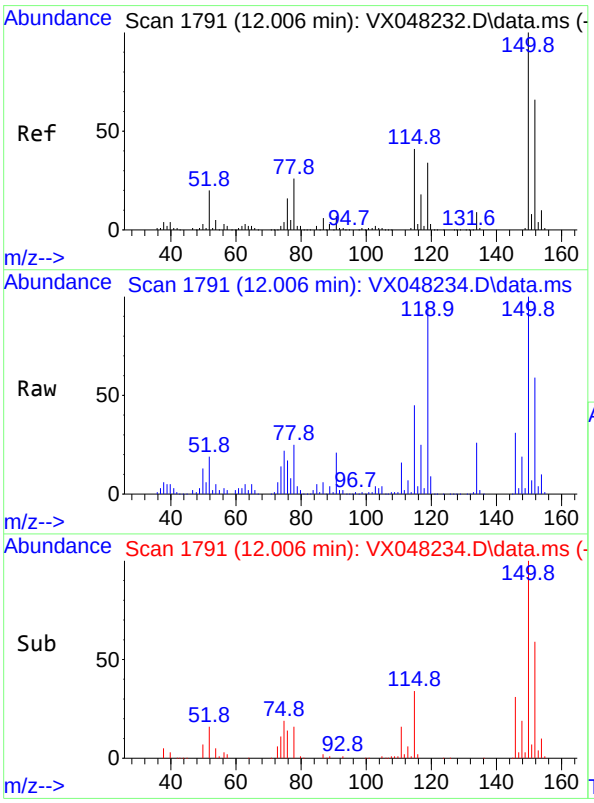

#71
Bromoform
Concen: 147.980 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:173 Resp: 152209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.4 | 24.0 | 72.0 |
| 254 | 0.1 | 0.0 | 0.0# |

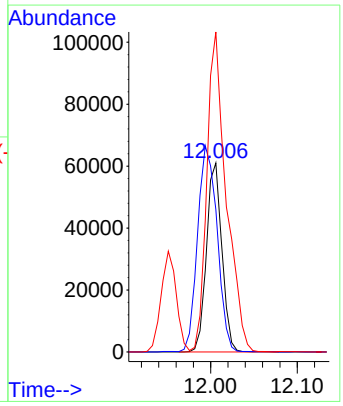


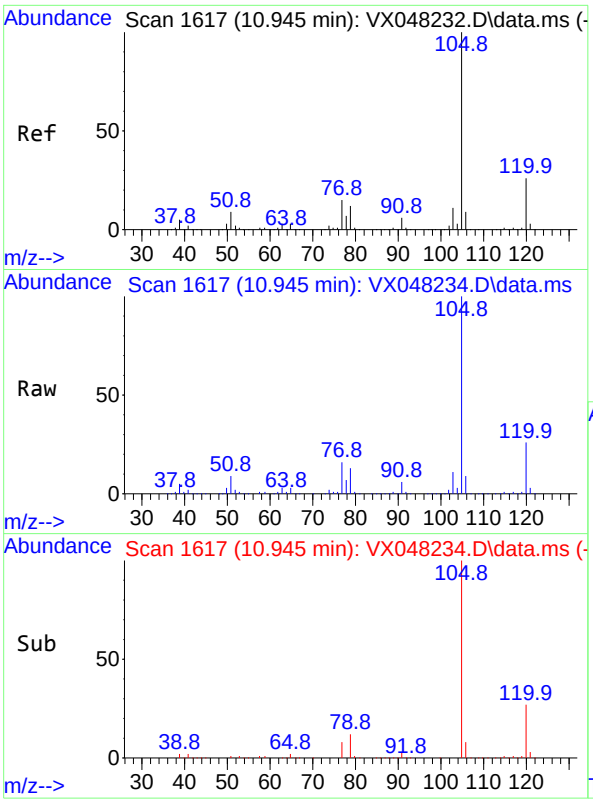




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:152 Resp: 75397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 138.9 | 43.1 | 129.4# |
| 150 | 212.6 | 0.0 | 353.0 |



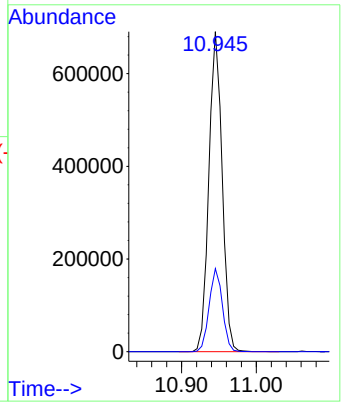


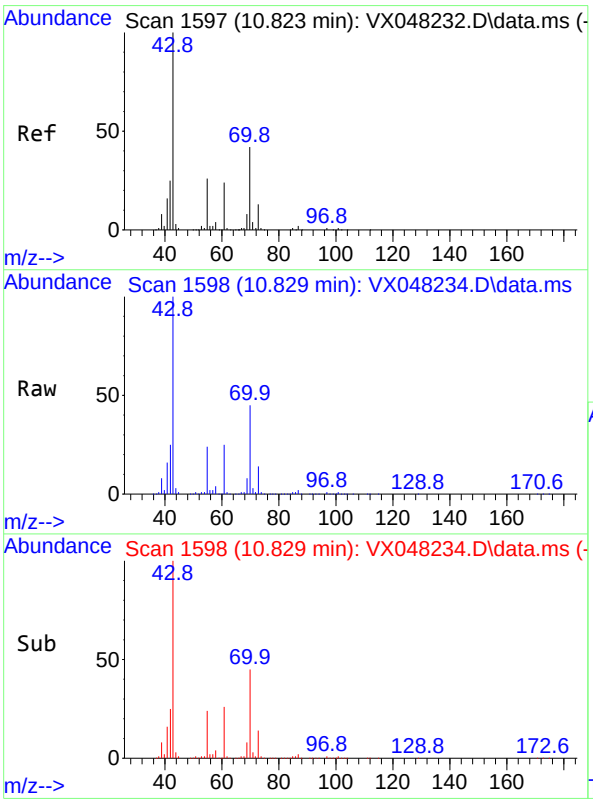

#73
Isopropylbenzene
Concen: 154.201 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 849183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.0 | 38.9 |

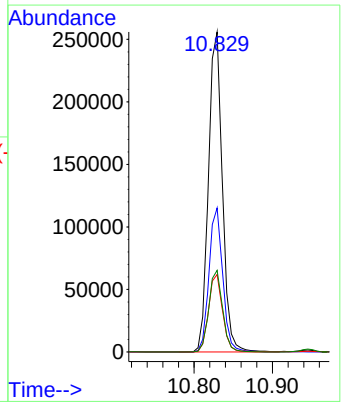


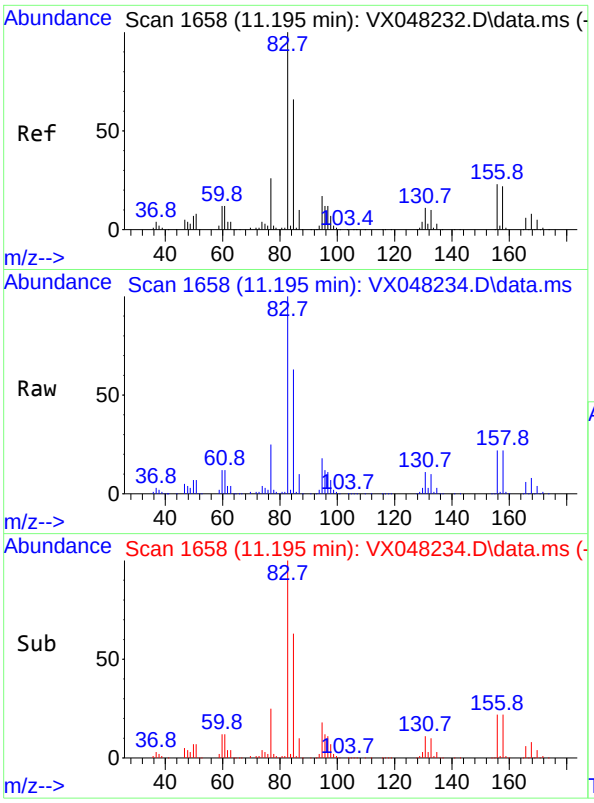




#74
N-amyl acetate
Concen: 161.195 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 314879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.5 | 32.2 | 48.2 |
| 55 | 24.4 | 19.1 | 28.7 |
| 61 | 25.2 | 18.6 | 28.0 |



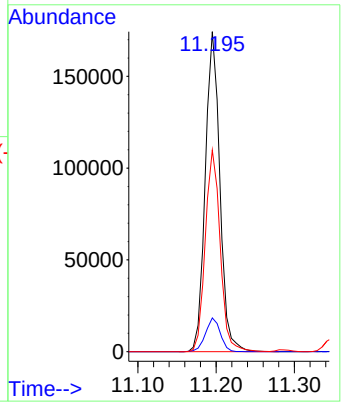


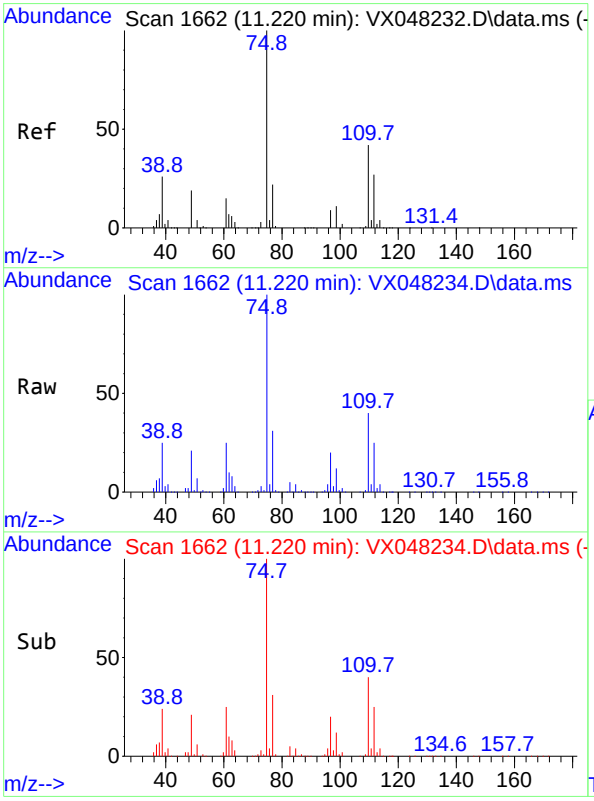

#75
1,1,2,2-Tetrachloroethane
Concen: 149.271 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 224486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.7 | 4.8 | 14.4 |
| 85 | 64.6 | 31.9 | 95.7 |

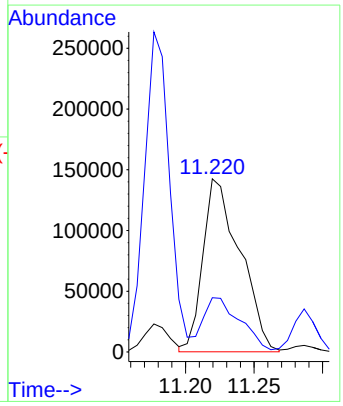


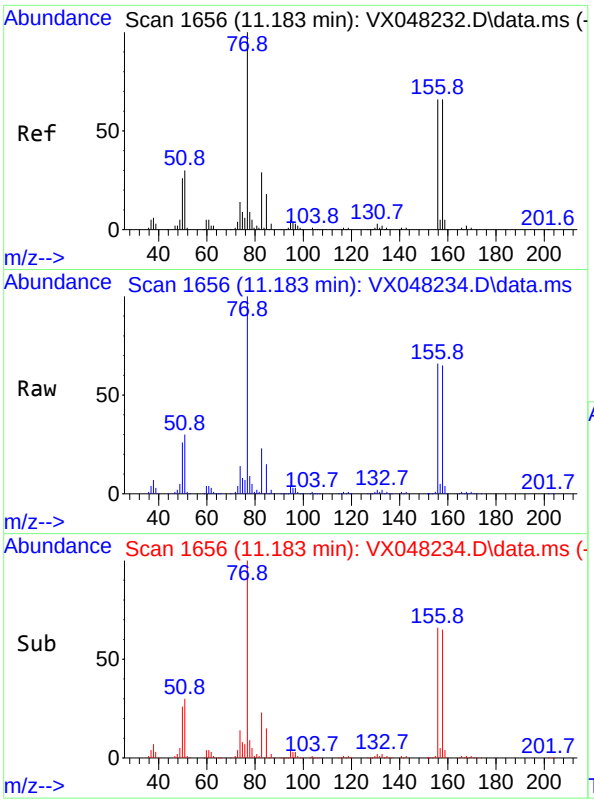




#76
1,2,3-Trichloropropane
Concen: 219.425 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 268288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.3 | 22.4 | 67.2 |



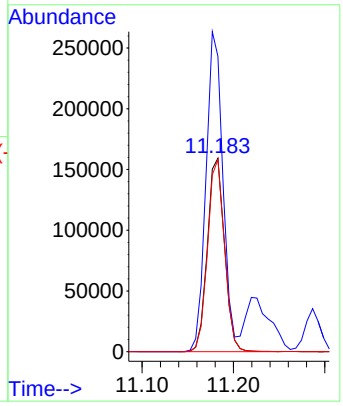


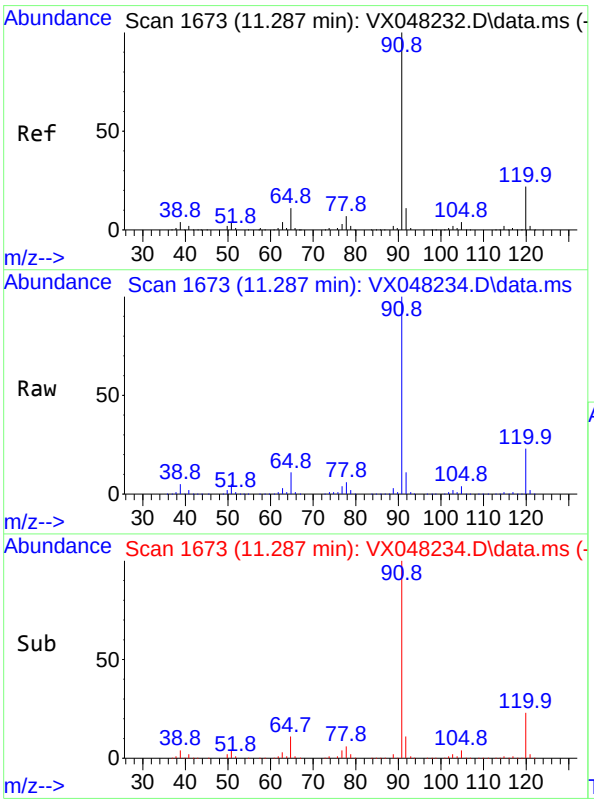

#77
Bromobenzene
Concen: 150.063 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:156 Resp: 207212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 161.9 | 87.0 | 261.0 |
| 158 | 97.9 | 47.8 | 143.4 |

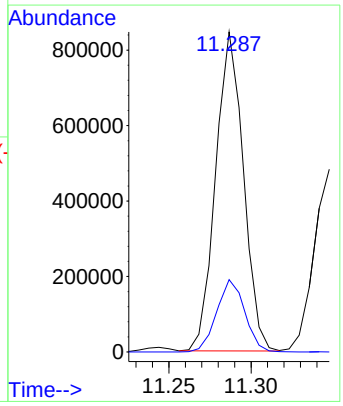


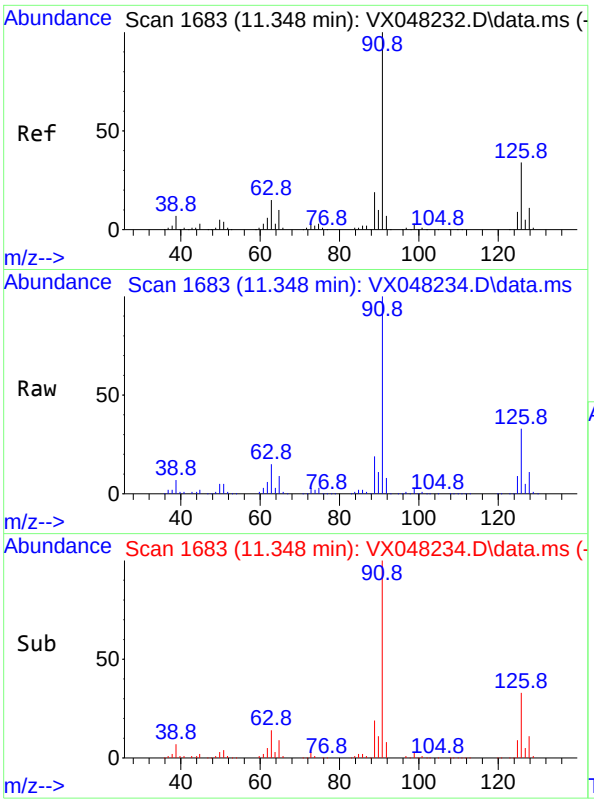




#78
n-propylbenzene
Concen: 155.573 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 91 Resp: 991960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.1 | 33.1 |



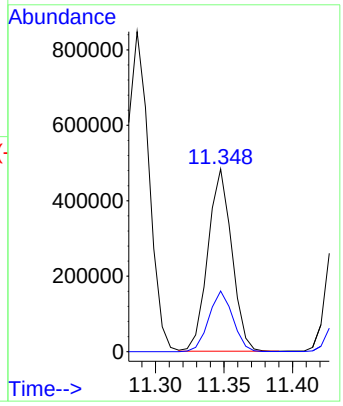


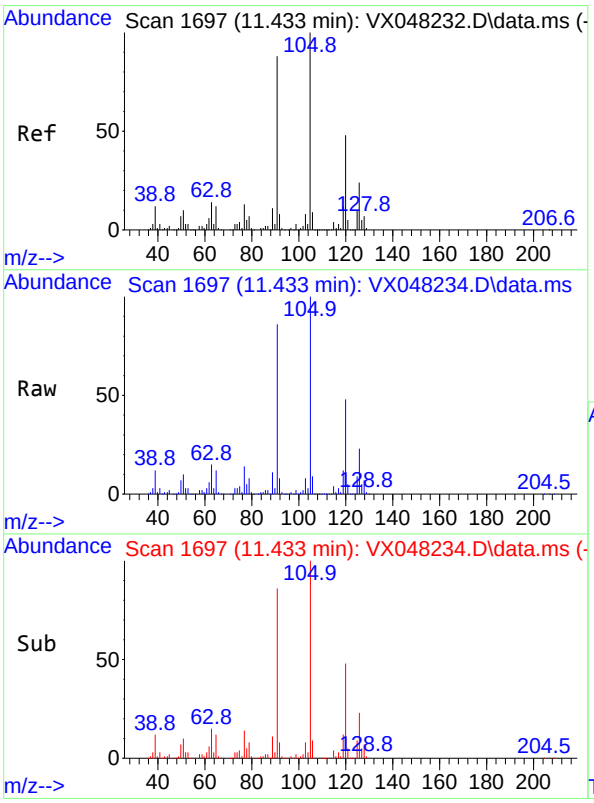

#79
2-Chlorotoluene
Concen: 151.532 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 585792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.5 | 16.4 | 49.4 |

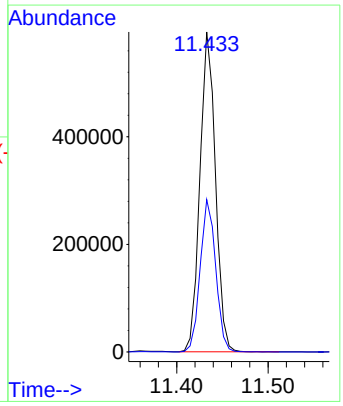


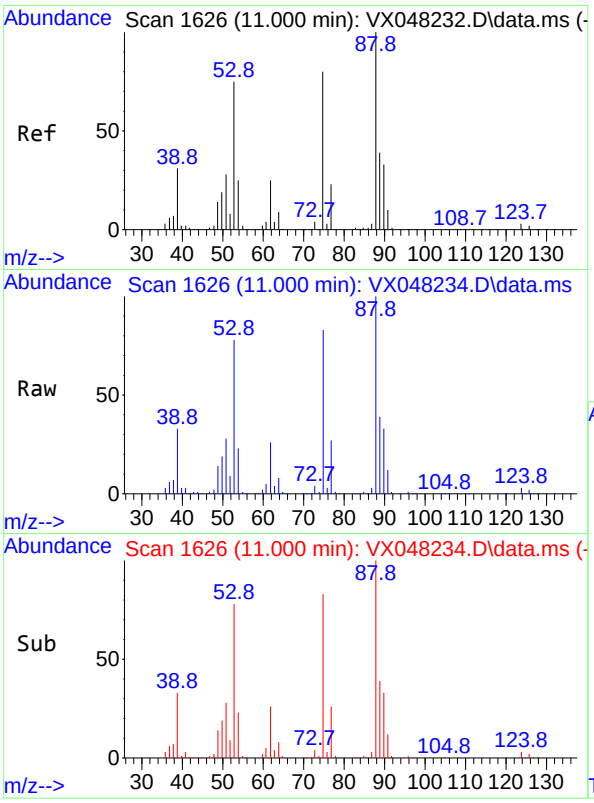




#80
1,3,5-Trimethylbenzene
Concen: 153.574 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:105 Resp: 699885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.7 | 24.0 | 72.0 |



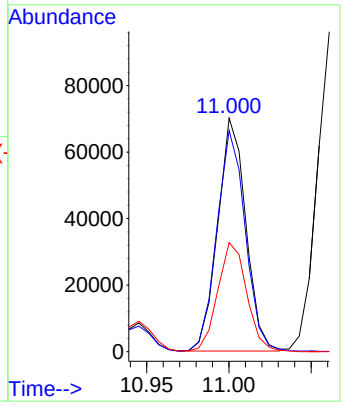


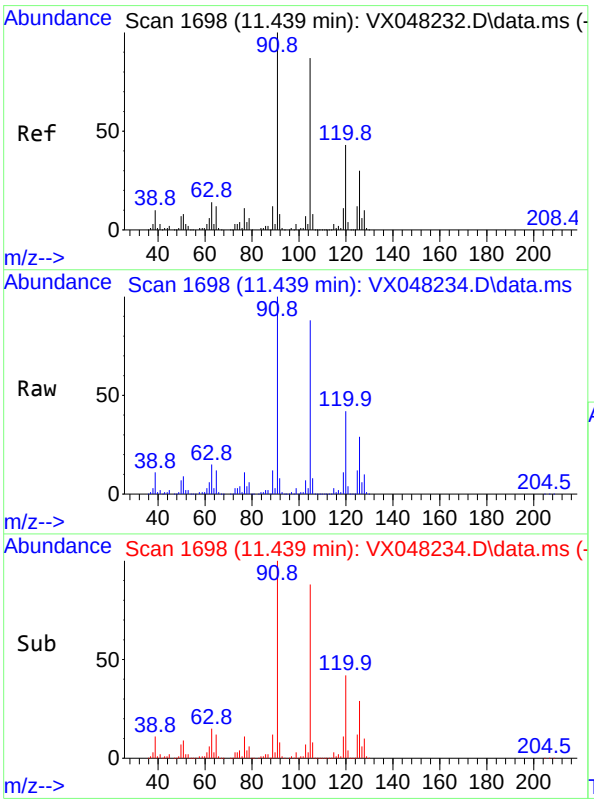

#81
trans-1,4-Dichloro-2-butene
Concen: 165.469 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 83158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 96.5 | 79.5 | 119.3 |
| 89 | 48.6 | 36.8 | 55.2 |

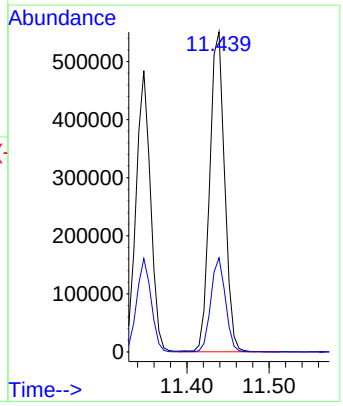


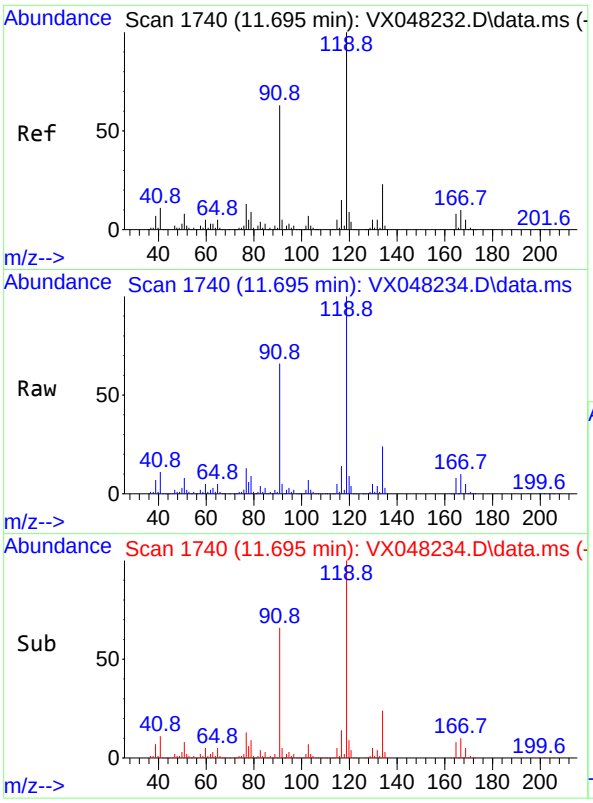




#82
4-Chlorotoluene
Concen: 150.773 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 91 Resp: 691903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.0 | 14.1 | 42.4 |



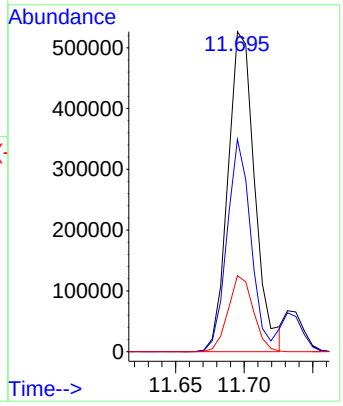


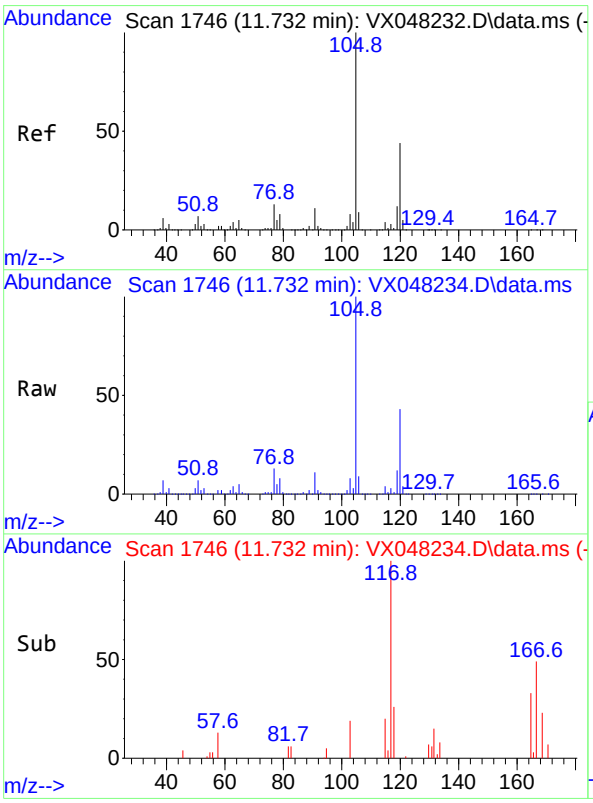

#83
tert-Butylbenzene
Concen: 153.261 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:119 Resp: 717642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.9 | 30.3 | 91.0 |
| 134 | 22.3 | 11.4 | 34.2 |

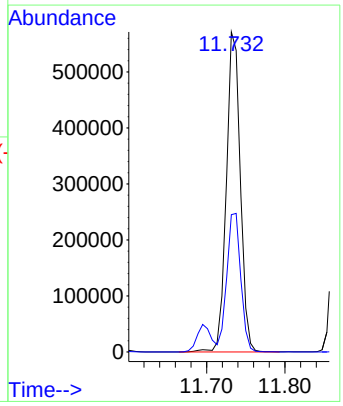


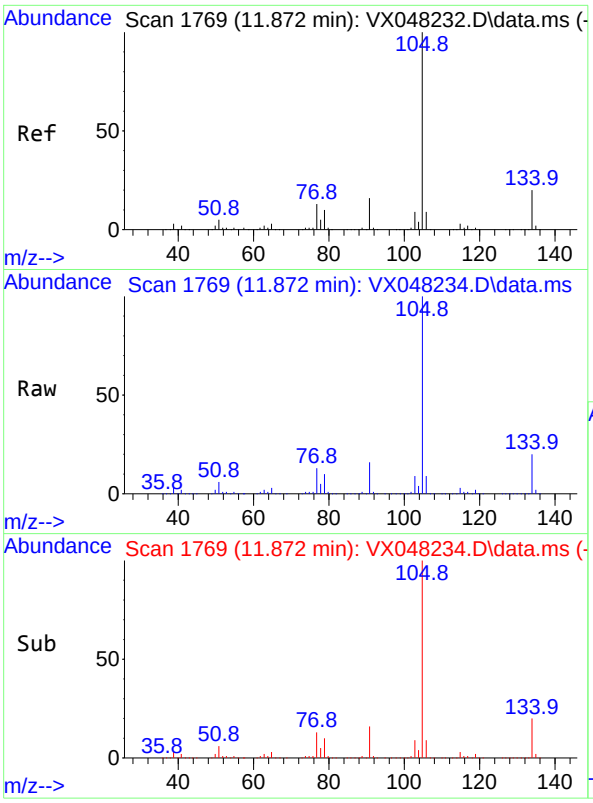




#84
1,2,4-Trimethylbenzene
Concen: 155.464 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:105 Resp: 707074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 22.1 | 66.5 |



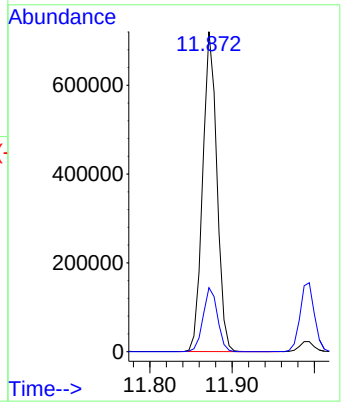


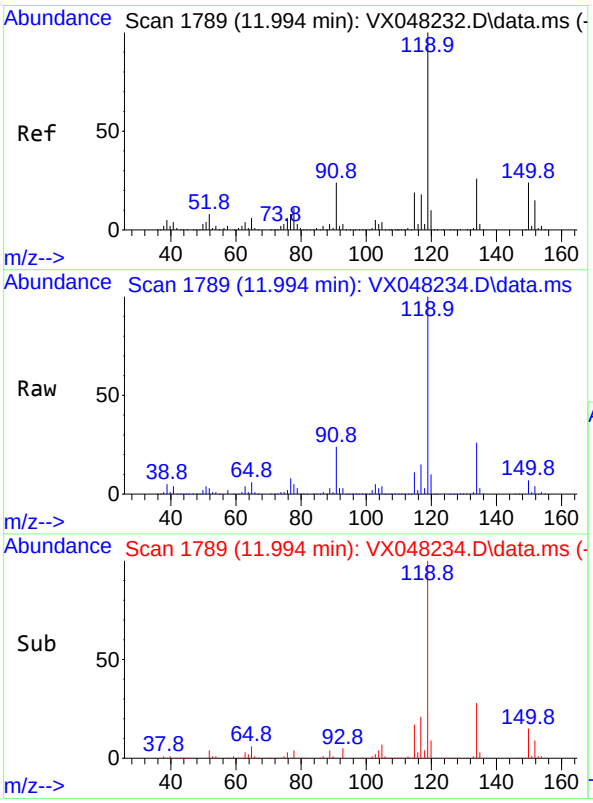

#85
sec-Butylbenzene
Concen: 152.918 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 861466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.3 | 10.1 | 30.1 |

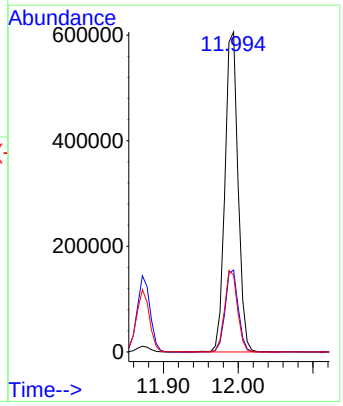


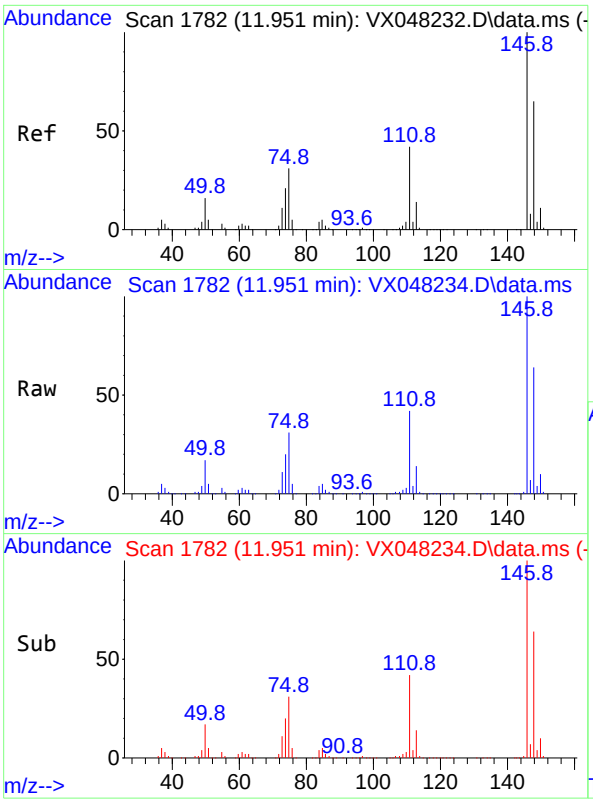




#86
p-Isopropyltoluene
Concen: 151.662 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:119 Resp: 738496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 13.0 | 39.0 |
| 91 | 25.1 | 12.1 | 36.3 |



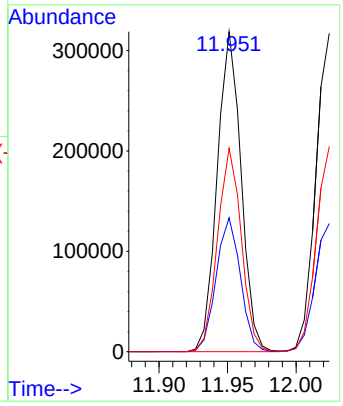


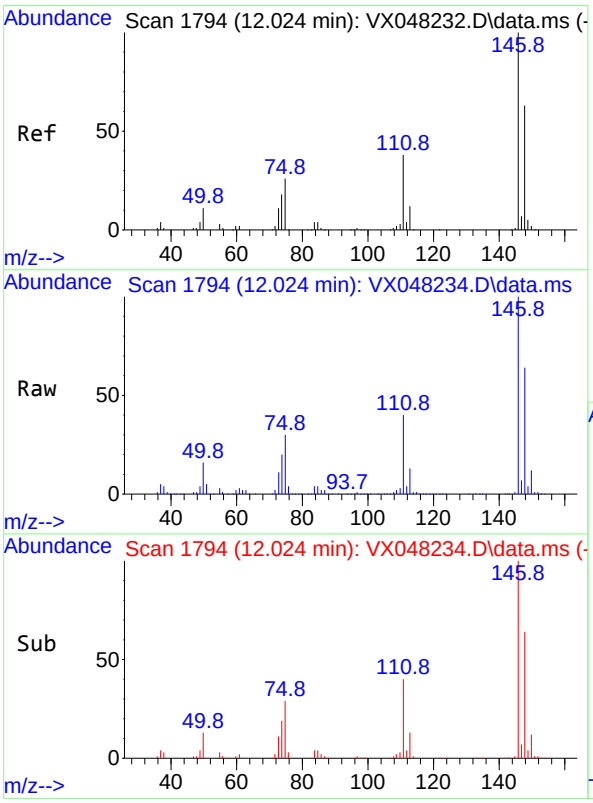

#87
1,3-Dichlorobenzene
Concen: 148.308 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 386062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 20.4 | 61.2 |
| 148 | 63.5 | 31.9 | 95.9 |

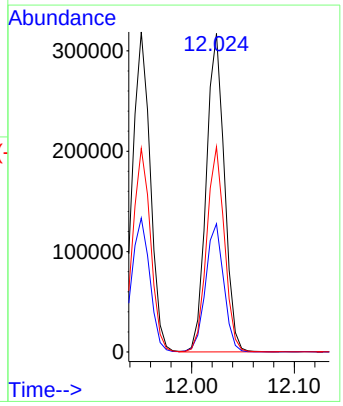


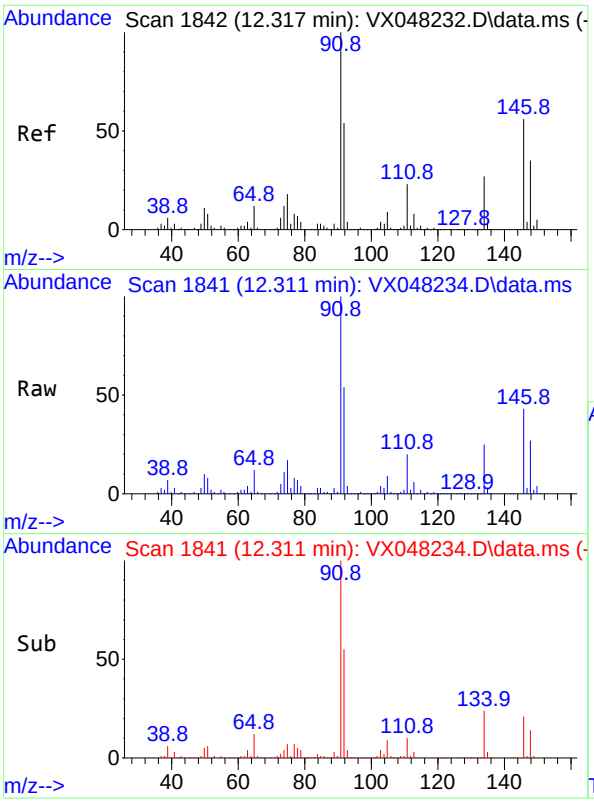




#88
1,4-Dichlorobenzene
Concen: 143.466 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:146 Resp: 386885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 20.1 | 60.2 |
| 148 | 63.4 | 31.8 | 95.3 |



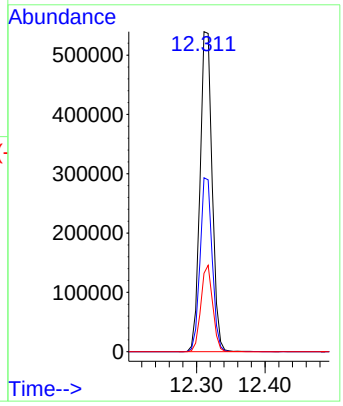


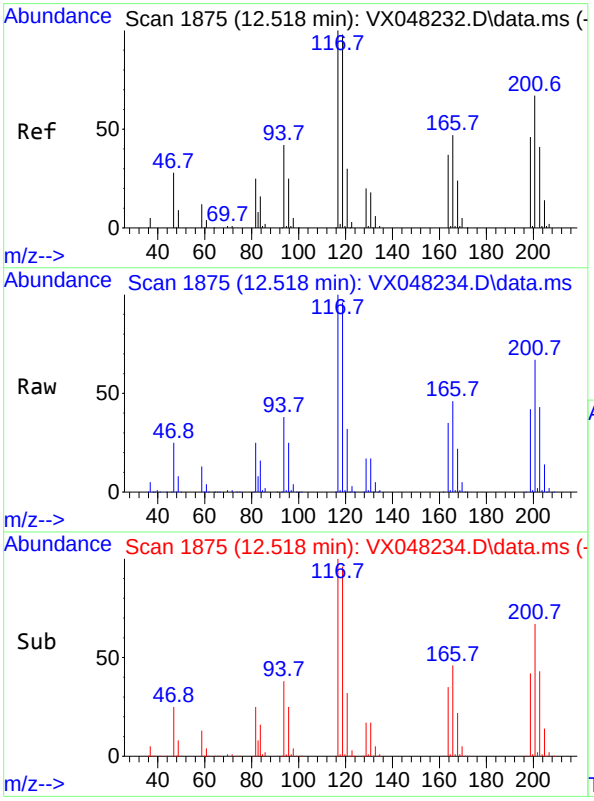

#89
n-Butylbenzene
Concen: 149.834 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 664071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.4 | 26.9 | 80.6 |
| 134 | 26.3 | 12.7 | 38.1 |

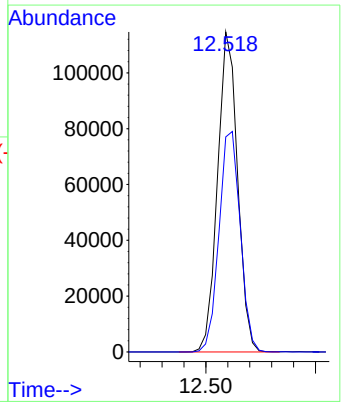


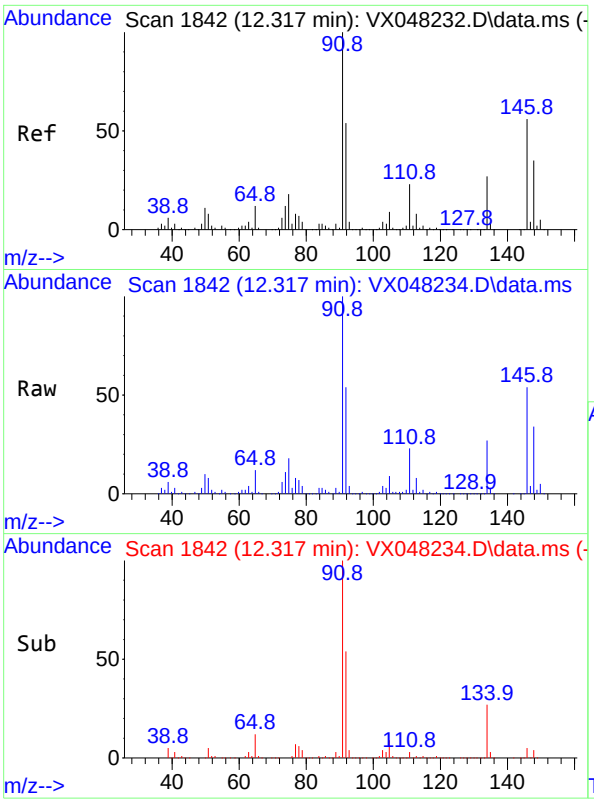




#90
Hexachloroethane
Concen: 151.639 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:117 Resp: 145813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 73.0 | 34.1 | 102.2 |



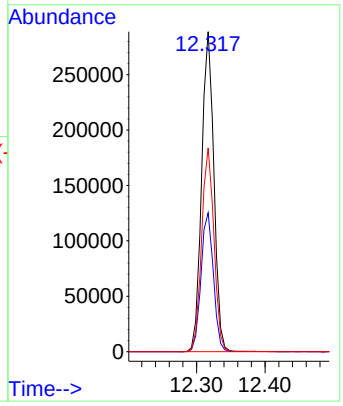


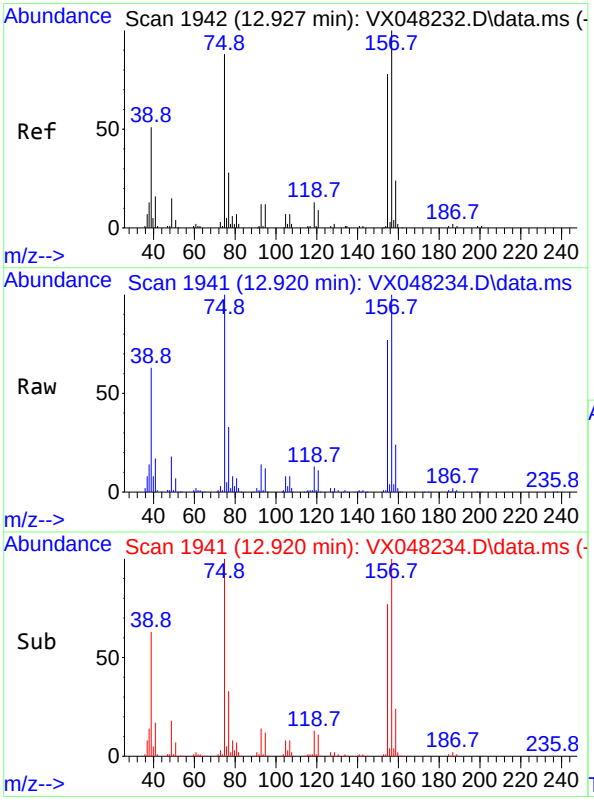

#91
1,2-Dichlorobenzene
Concen: 147.003 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 359278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 21.9 | 65.5 |
| 148 | 64.4 | 31.9 | 95.5 |

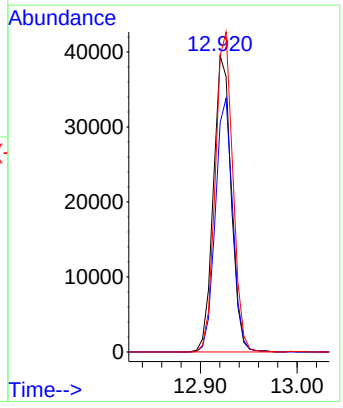


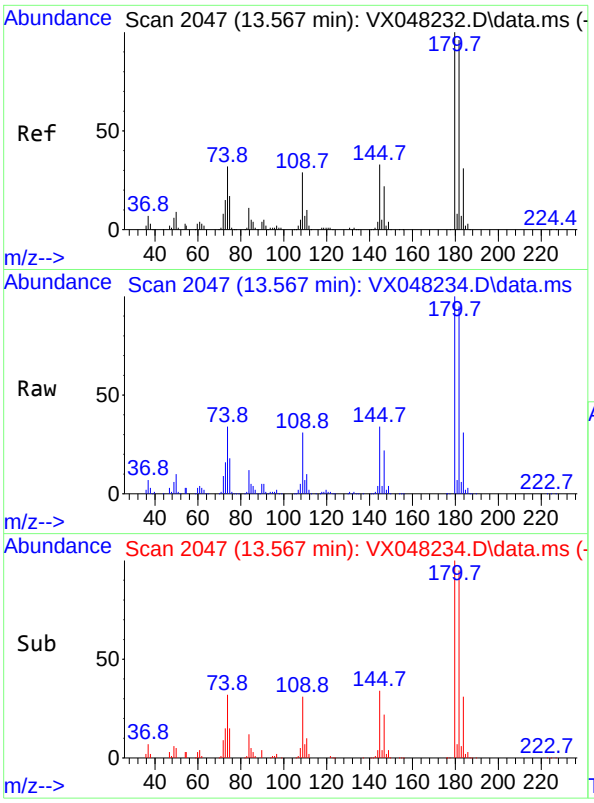




#92
1,2-Dibromo-3-Chloropropane
Concen: 164.993 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 50367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.7 | 42.8 | 128.4 |
| 157 | 106.9 | 54.2 | 162.6 |



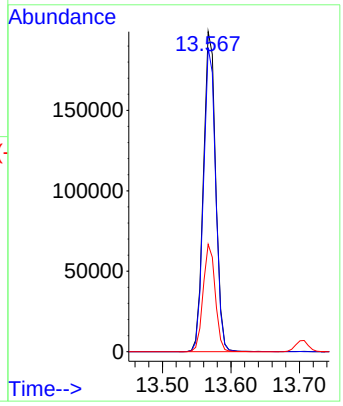


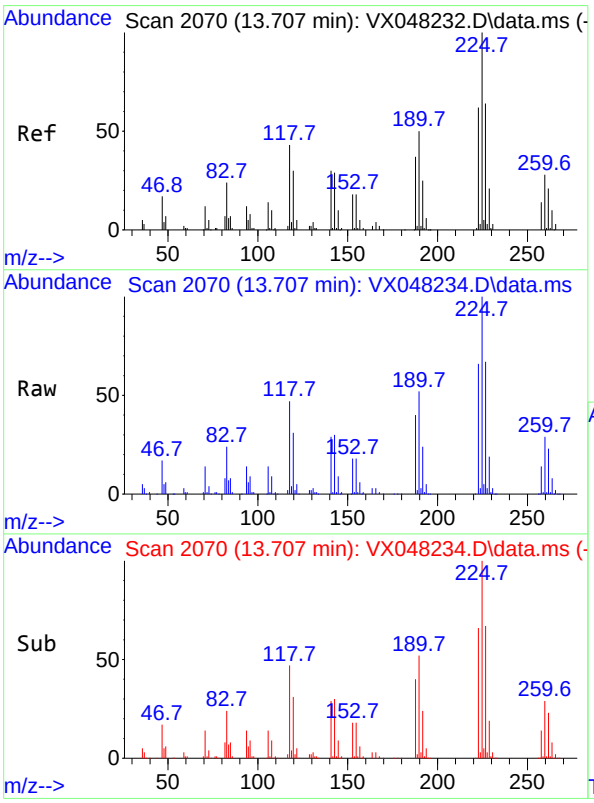

#93
1,2,4-Trichlorobenzene
Concen: 149.729 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:180 Resp: 247472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 47.3 | 142.0 |
| 145 | 33.2 | 16.3 | 48.9 |

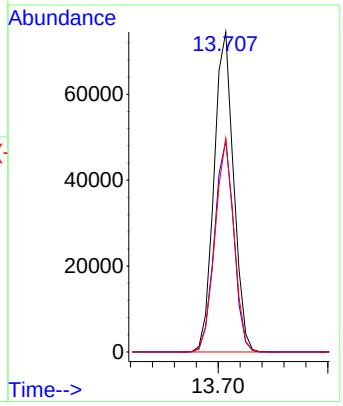


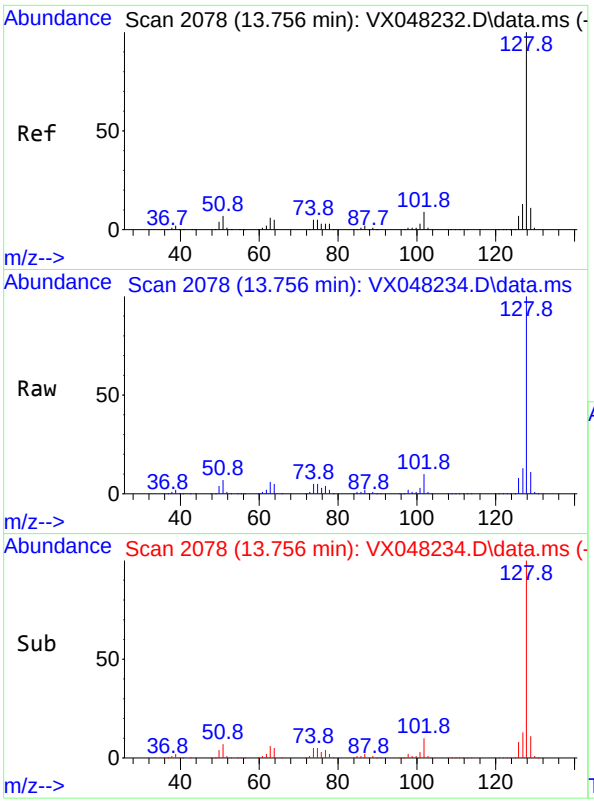




#94
Hexachlorobutadiene
Concen: 149.152 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:225 Resp: 92458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.2 | 32.6 | 97.7 |
| 227 | 64.3 | 32.5 | 97.4 |



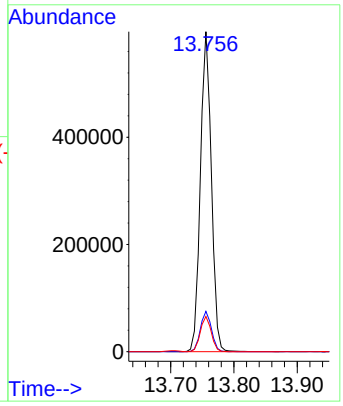


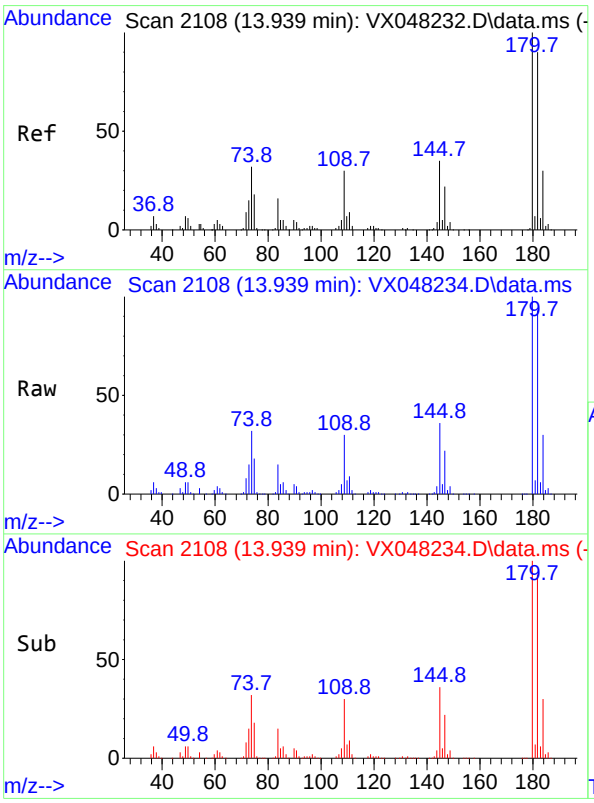

#95
Naphthalene
Concen: 164.296 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:128 Resp: 719433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.4 |
| 129 | 11.0 | 8.6 | 12.8 |

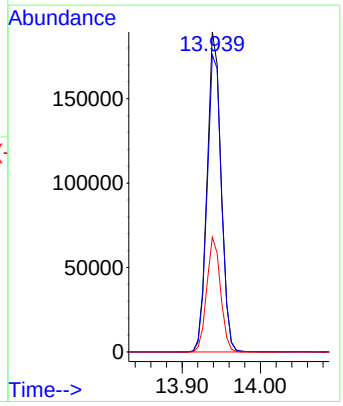



#96
1,2,3-Trichlorobenzene
Concen: 154.069 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:180 Resp: 233671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 46.6 | 139.7 |
| 145 | 35.4 | 16.9 | 50.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048236.D
Acq On : 20 Oct 2025 13:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 25 03:37:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 138374 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 228619 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 208481 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 105998 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 10036 | 5.173 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = | 10.340%# | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 7733 | 4.955 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 9.900%# | | | |
| 50) Toluene-d8 | 8.634 | 98 | 27914 | 5.102 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = | 10.200%# | | | |
| 62) 4-Bromofluorobenzene | 11.067 | 95 | 11429 | 5.492 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = | 10.980%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 7219 | 5.075 | ug/l | | 93 |
| 3) Chloromethane | 1.300 | 50 | 7032 | 5.296 | ug/l | | 95 |
| 4) Vinyl Chloride | 1.380 | 62 | 6338 | 5.155 | ug/l | | 98 |
| 5) Bromomethane | 1.611 | 94 | 4789 | 5.739 | ug/l | | 99 |
| 6) Chloroethane | 1.691 | 64 | 3610 | 4.997 | ug/l | | 99 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 12170 | 5.161 | ug/l | | 96 |
| 8) Diethyl Ether | 2.136 | 74 | 3283 | 4.948 | ug/l | | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 7656 | 5.127 | ug/l | | 92 |
| 10) Methyl Iodide | 2.453 | 142 | 7871 | 4.193 | ug/l | | 98 |
| 11) Tert butyl alcohol | 2.940 | 59 | 5994 | 31.117 | ug/l | # | 80 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 7107 | 4.892 | ug/l | | 91 |
| 13) Acrolein | 2.233 | 56 | 5456 | 27.772 | ug/l | | 96 |
| 14) Allyl chloride | 2.666 | 41 | 11531 | 4.781 | ug/l | | 96 |
| 15) Acrylonitrile | 3.062 | 53 | 16982 | 24.449 | ug/l | | 97 |
| 16) Acetone | 2.373 | 43 | 18141 | 27.256 | ug/l | | 100 |
| 17) Carbon Disulfide | 2.520 | 76 | 23369 | 5.104 | ug/l | | 96 |
| 18) Methyl Acetate | 2.703 | 43 | 6418 | 4.617 | ug/l | | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 22931 | 4.627 | ug/l | | 97 |
| 20) Methylene Chloride | 2.788 | 84 | 8228 | 5.074 | ug/l | # | 81 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 8343 | 5.228 | ug/l | | 94 |
| 22) Diisopropyl ether | 3.757 | 45 | 23533 | 4.892 | ug/l | # | 97 |
| 23) Vinyl Acetate | 3.721 | 43 | 91771 | 23.881 | ug/l | # | 90 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 14582 | 5.013 | ug/l | # | 97 |
| 25) 2-Butanone | 4.550 | 43 | 21808 | 25.887 | ug/l | # | 89 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 13077 | 4.981 | ug/l | | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 9312 | 5.000 | ug/l | | 96 |
| 28) Bromochloromethane | 4.885 | 49 | 6488 | 5.379 | ug/l | # | 89 |
| 29) Tetrahydrofuran | 4.995 | 42 | 12637 | 25.047 | ug/l | | 98 |
| 30) Chloroform | 5.086 | 83 | 15814 | 5.089 | ug/l | | 96 |
| 31) Cyclohexane | 5.458 | 56 | 11661 | 4.842 | ug/l | | 98 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 14399 | 5.027 | ug/l | | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 10855 | 4.893 | ug/l | | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 7759 | 4.220 | ug/l | # | 75 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 14225 | 5.198 | ug/l | # | 81 |
| 39) Methylcyclohexane | 7.366 | 83 | 13491 | 5.149 | ug/l | | 97 |
| 40) Benzene | 6.031 | 78 | 32115 | 4.986 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048236.D
Acq On : 20 Oct 2025 13:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 25 03:37:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.910 | 41 | 2340 | 2.423 ug/l # | 38 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 11412 | 4.802 ug/l | 100 |
| 43) Isopropyl Acetate | 6.330 | 43 | 13996 | 4.634 ug/l # | 93 |
| 44) Trichloroethene | 7.110 | 130 | 8373 | 4.923 ug/l | 93 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 7709 | 5.034 ug/l | 99 |
| 46) Dibromomethane | 7.568 | 93 | 6041 | 5.064 ug/l | 91 |
| 47) Bromodichloromethane | 7.811 | 83 | 12974 | 5.037 ug/l | 97 |
| 48) Methyl methacrylate | 7.683 | 41 | 6863 | 4.503 ug/l | 94 |
| 49) 1,4-Dioxane | 7.659 | 88 | 2020 | 100.322 ug/l | 97 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 42725 | 24.534 ug/l | 97 |
| 52) Toluene | 8.708 | 92 | 21137 | 5.166 ug/l | 97 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 12015 | 4.840 ug/l | 98 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 12702 | 4.743 ug/l | 90 |
| 55) 1,1,2-Trichloroethane | 9.140 | 97 | 8113 | 5.332 ug/l | 91 |
| 56) Ethyl methacrylate | 9.104 | 69 | 10320 | 4.637 ug/l | 94 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 13087 | 5.035 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.232 | 63 | 20764 | 18.931 ug/l | 98 |
| 59) 2-Hexanone | 9.415 | 43 | 30949 | 25.488 ug/l | 96 |
| 60) Dibromochloromethane | 9.506 | 129 | 10082 | 4.930 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 8079 | 4.980 ug/l | 100 |
| 64) Tetrachloroethene | 9.256 | 164 | 8020 | 5.153 ug/l | 92 |
| 65) Chlorobenzene | 10.061 | 112 | 23873 | 5.090 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 8450 | 4.905 ug/l | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 39121 | 4.899 ug/l | 96 |
| 68) m/p-Xylenes | 10.287 | 106 | 30310 | 10.217 ug/l | 97 |
| 69) o-Xylene | 10.628 | 106 | 14262 | 4.979 ug/l | 98 |
| 70) Styrene | 10.640 | 104 | 24289 | 4.980 ug/l | 98 |
| 71) Bromoform | 10.780 | 173 | 6766 | 4.915 ug/l # | 96 |
| 73) Isopropylbenzene | 10.945 | 105 | 37935 | 4.900 ug/l | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 12188 | 4.438 ug/l | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 10324 | 4.883 ug/l | 98 |
| 76) 1,2,3-Trichloropropane | 11.225 | 75 | 10217 | 5.944 ug/l | 91 |
| 77) Bromobenzene | 11.183 | 156 | 9508 | 4.898 ug/l | 94 |
| 78) n-propylbenzene | 11.286 | 91 | 44189 | 4.930 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 26627 | 4.899 ug/l | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 30618 | 4.779 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 3038 | 4.300 ug/l | 96 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 31357 | 4.860 ug/l | 97 |
| 83) tert-Butylbenzene | 11.695 | 119 | 32297 | 4.906 ug/l | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 31709 | 4.959 ug/l | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 39113 | 4.939 ug/l | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 34155 | 4.989 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 18546 | 5.068 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 18787 | 4.955 ug/l | 91 |
| 89) n-Butylbenzene | 12.317 | 91 | 30409 | 4.880 ug/l | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 6863 | 5.077 ug/l | 98 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 16849 | 4.904 ug/l | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.926 | 75 | 1984 | 4.623 ug/l | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.573 | 180 | 10538 | 4.535 ug/l | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 5113 | 5.931 ug/l | 96 |
| 95) Naphthalene | 13.756 | 128 | 26218 | 4.259 ug/l | 98 |
| 96) 1,2,3-Trichlorobenzene | 13.944 | 180 | 10040 | 4.709 ug/l | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048236.D
Acq On : 20 Oct 2025 13:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 25 03:37:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

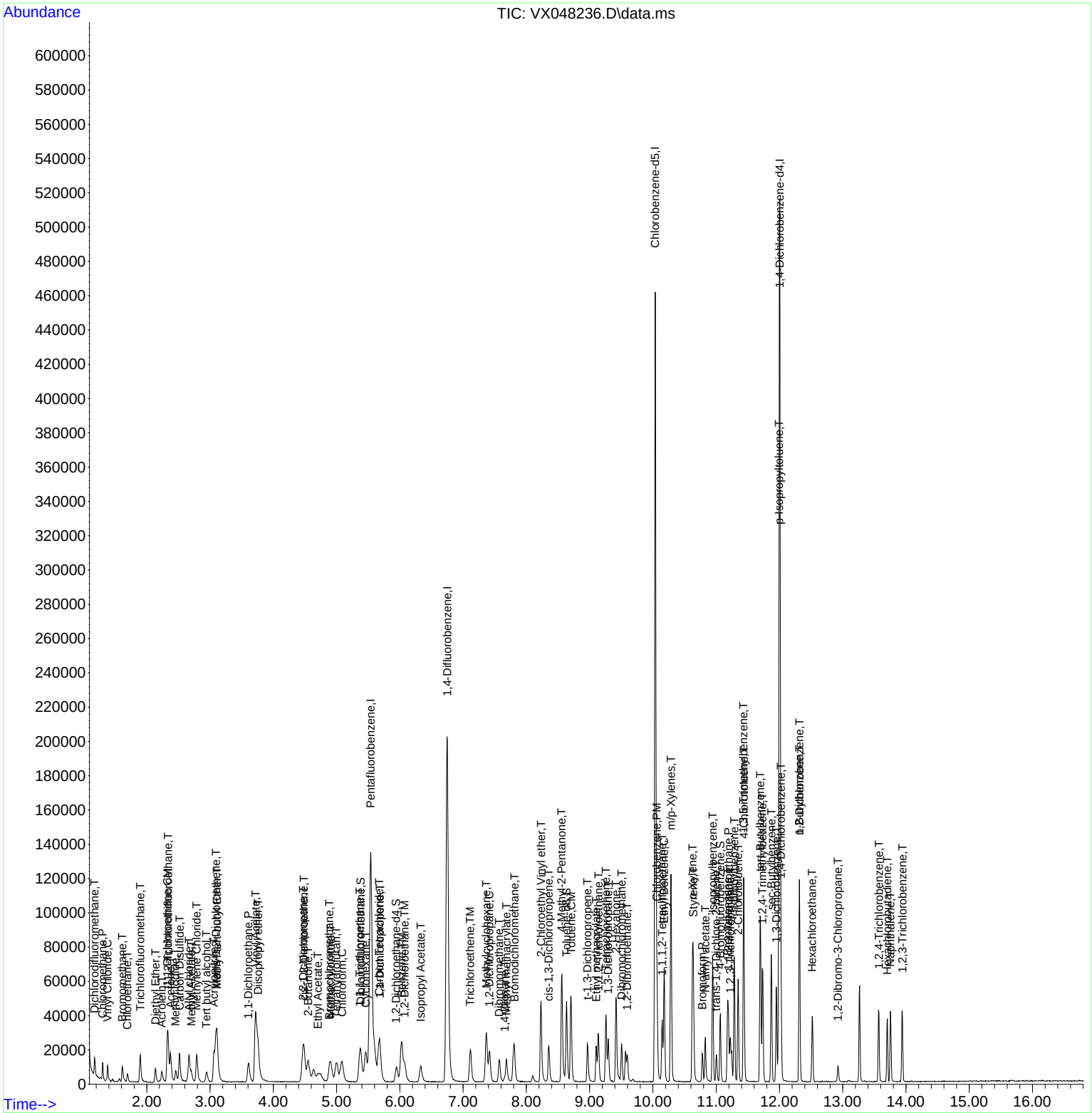
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

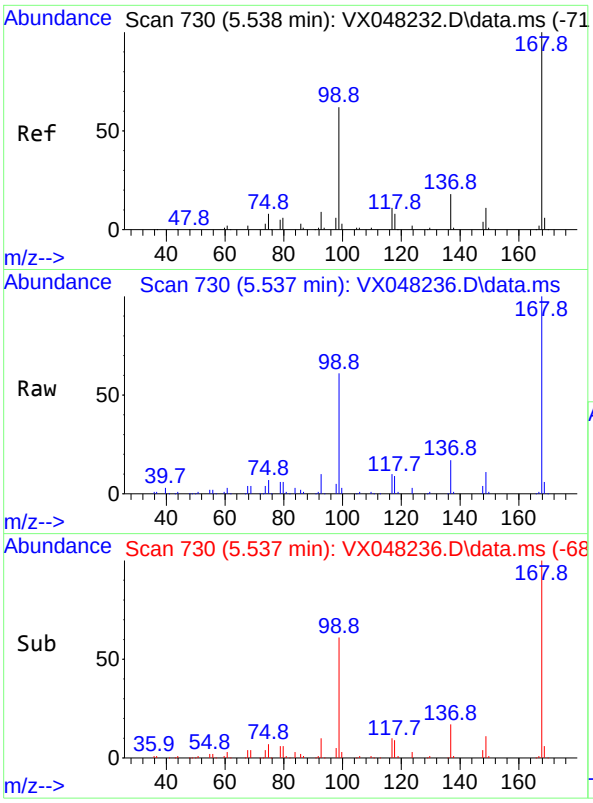
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048236.D
Acq On : 20 Oct 2025 13:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 25 03:37:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



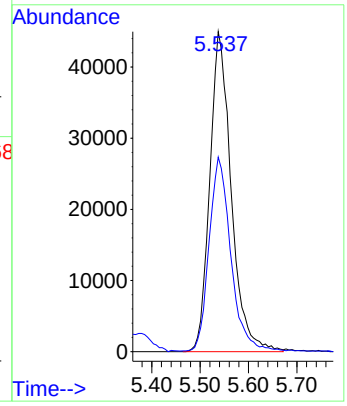


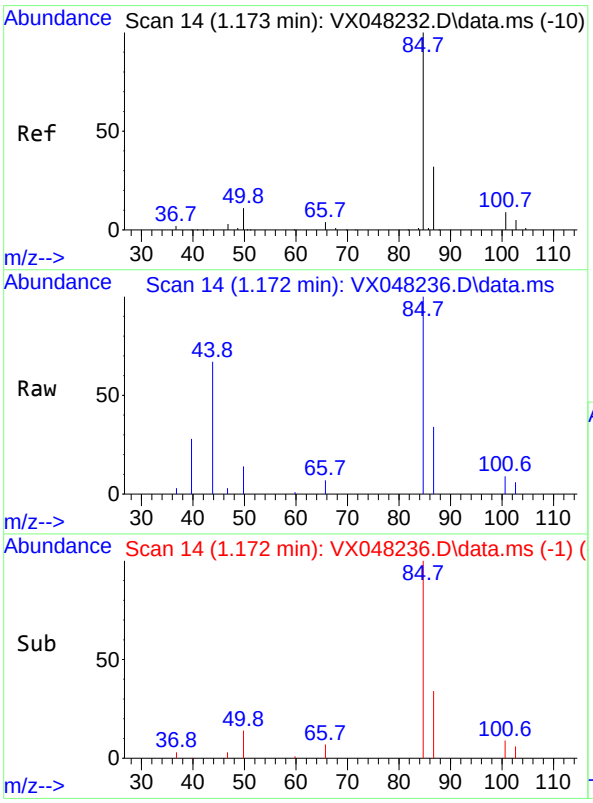

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:168 Resp: 138374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.5 | 46.4 | 69.6 |

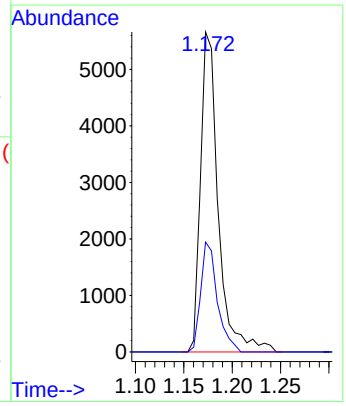


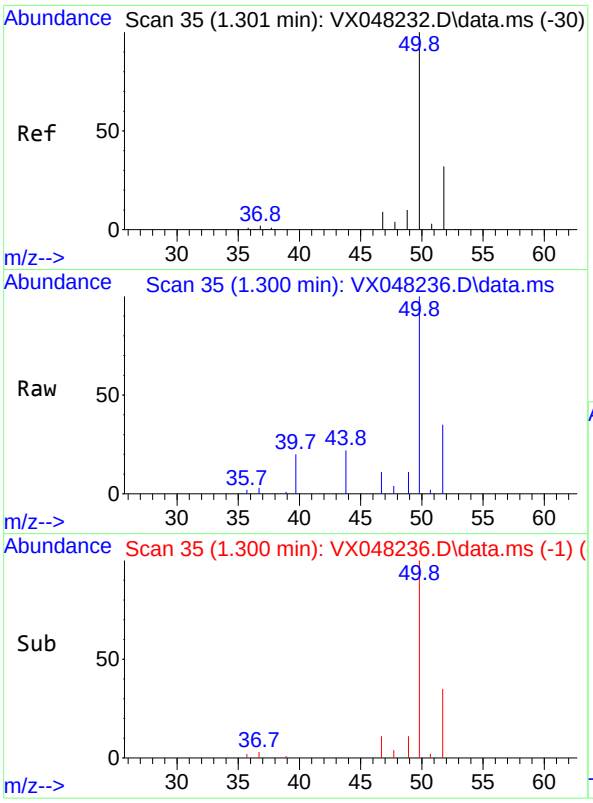




#2
Dichlorodifluoromethane
Concen: 5.075 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 85 Resp: 7219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 34.3 | 15.3 | 45.9 |



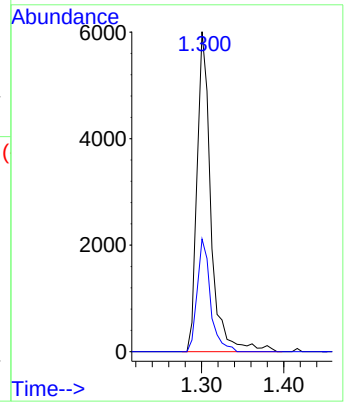


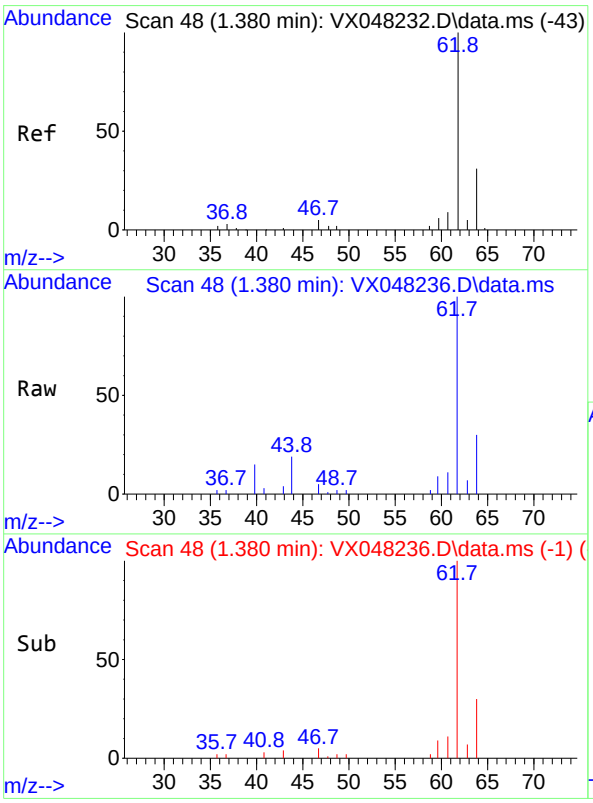

#3
Chloromethane
Concen: 5.296 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 50 Resp: 7032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 35.2 | 25.9 | 38.9 |

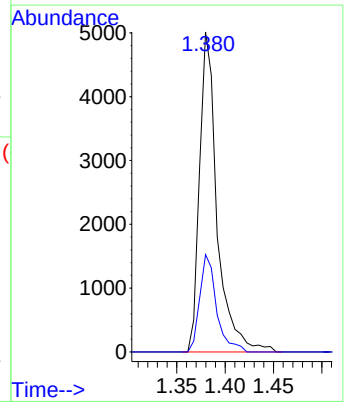


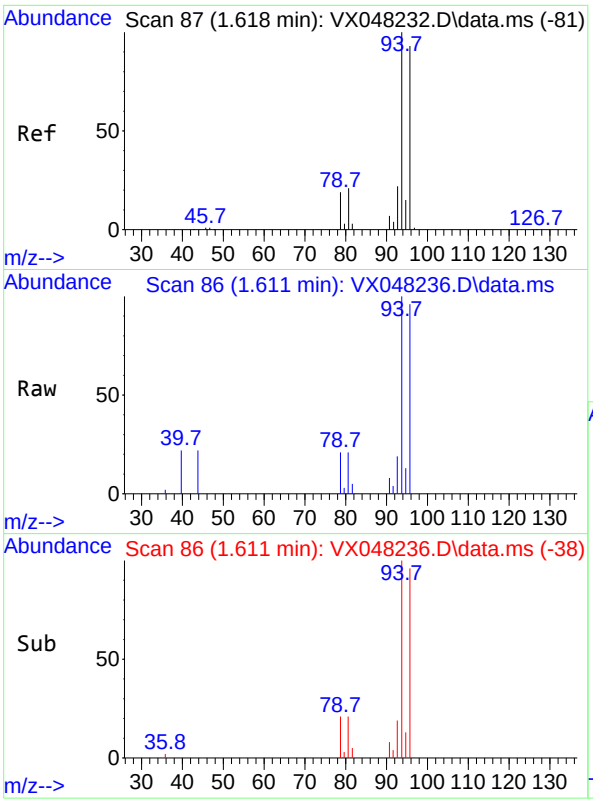




#4
Vinyl Chloride
Concen: 5.155 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 62 Resp: 6338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.5 | 25.1 | 37.7 |



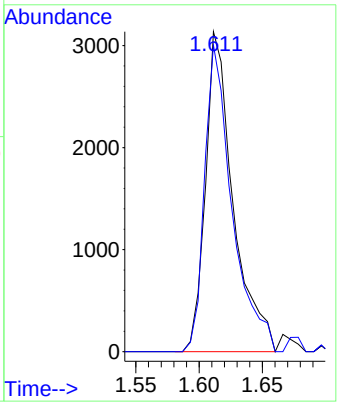


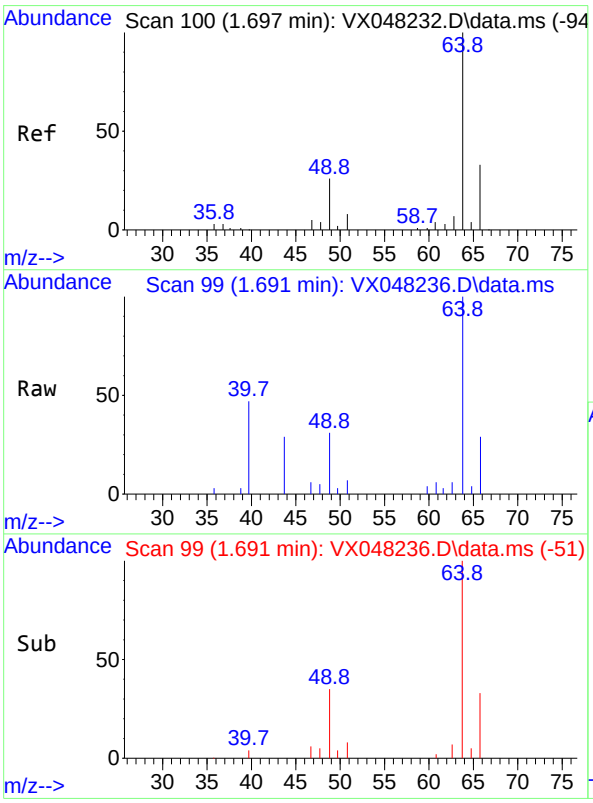

#5
Bromomethane
Concen: 5.739 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 94 Resp: 4789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.8 | 76.0 | 114.0 |

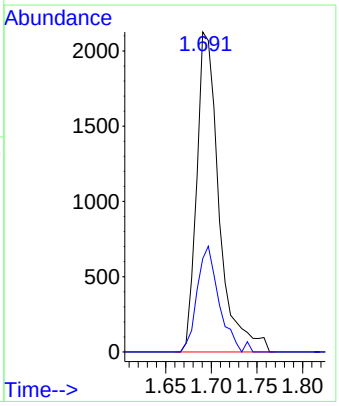


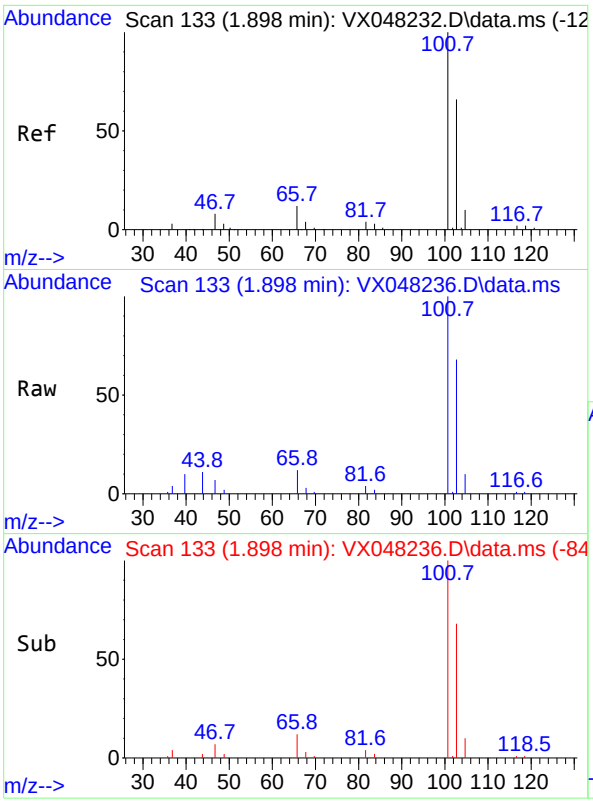




#6
Chloroethane
Concen: 4.997 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 64 Resp: 3610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 29.2 | 23.9 | 35.9 |



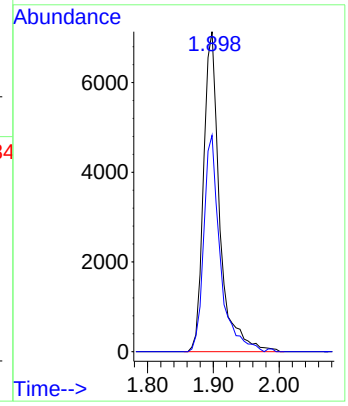


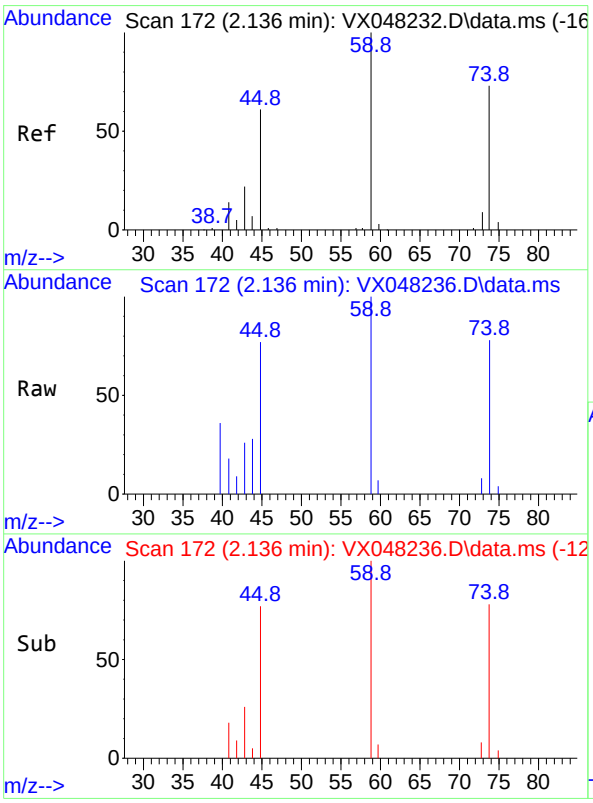

#7
Trichlorofluoromethane
Concen: 5.161 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:101 Resp: 12170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.6 | 51.6 | 77.4 |

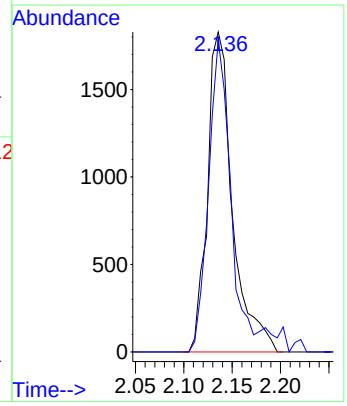


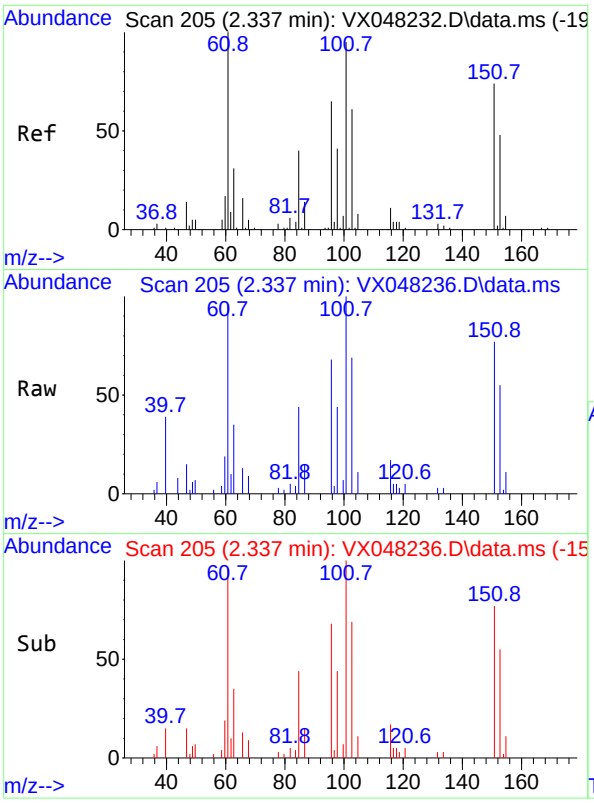




#8
Diethyl Ether
Concen: 4.948 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 74 Resp: 3283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 86.7 | 50.0 | 149.8 |



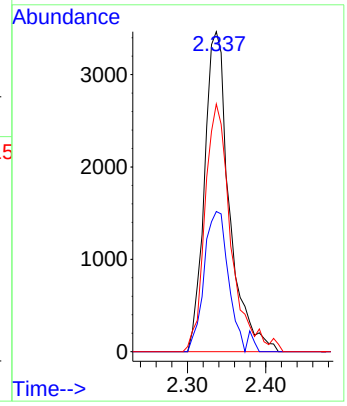


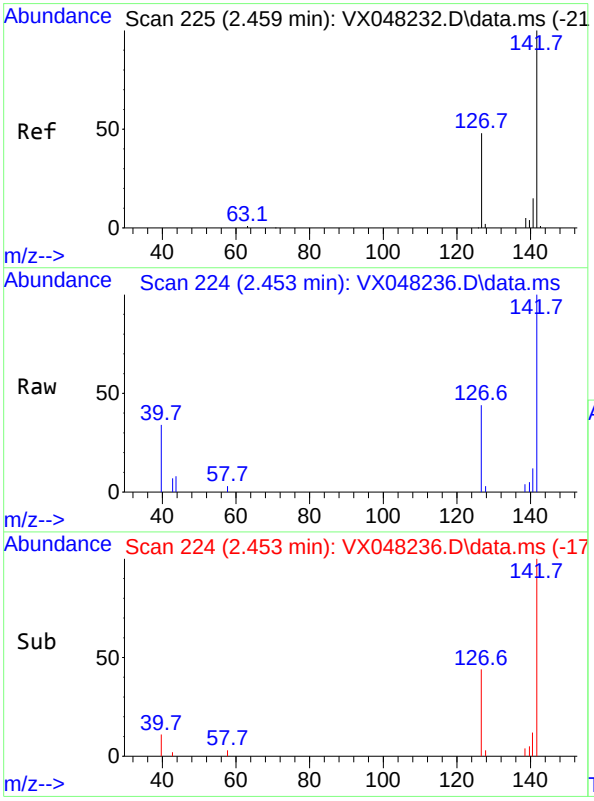

#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.127 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:101 Resp: 7656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.4 | 35.6 | 53.4 |
| 151 | 81.0 | 58.0 | 87.0 |

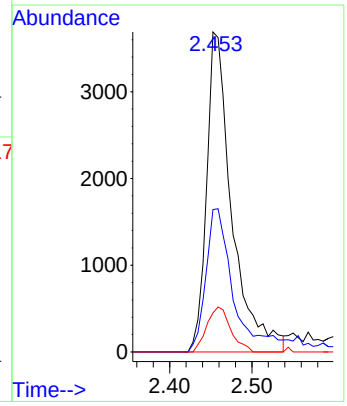


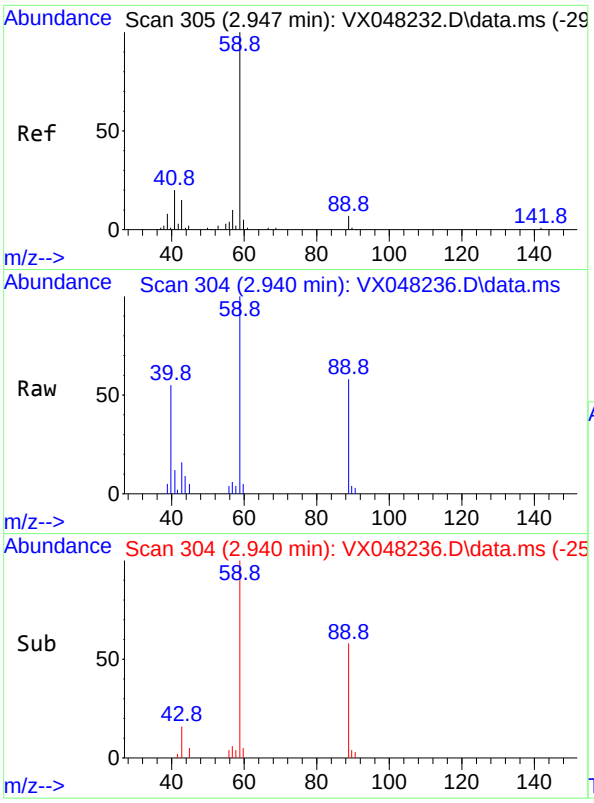




#10
Methyl Iodide
Concen: 4.193 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:142 Resp: 7871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.9 | 38.5 | 57.7 |
| 141 | 13.3 | 11.6 | 17.4 |



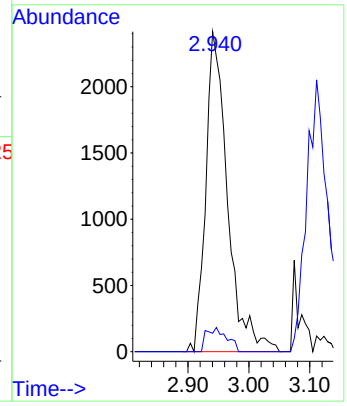


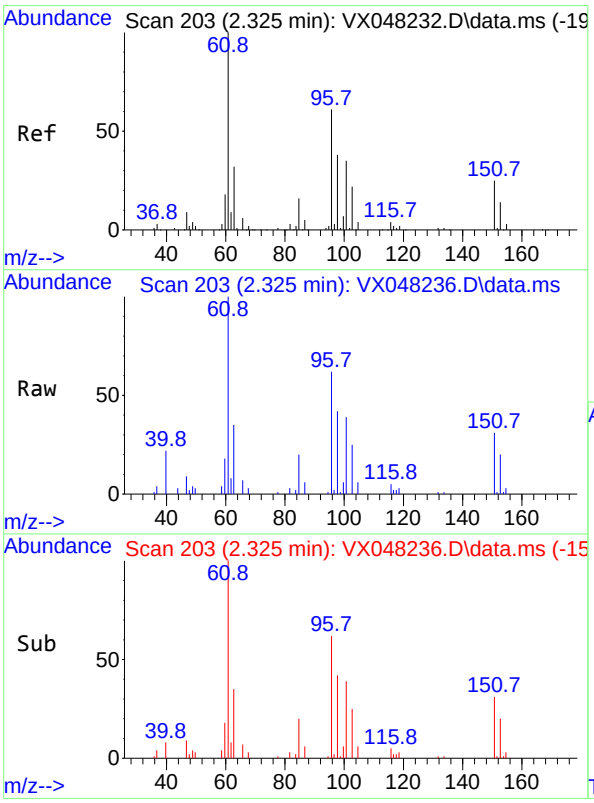

#11
Tert butyl alcohol
Concen: 31.117 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 59 Resp: 5994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 2.8 | 8.2 | 12.4# |

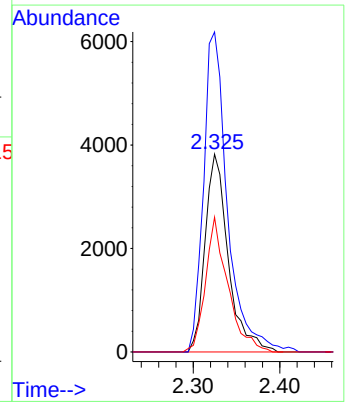


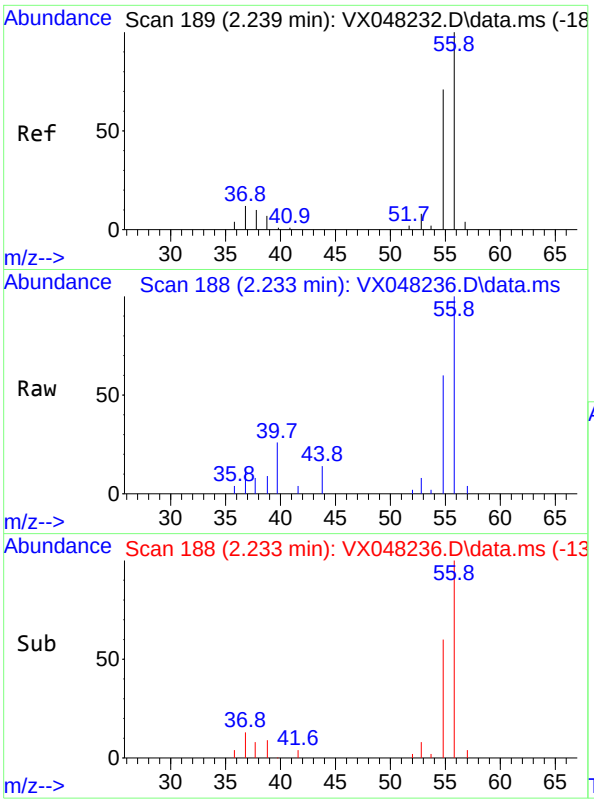




#12
1,1-Dichloroethene
Concen: 4.892 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 96 Resp: 7107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.9 | 139.0 | 208.6 |
| 98 | 66.1 | 52.4 | 78.6 |



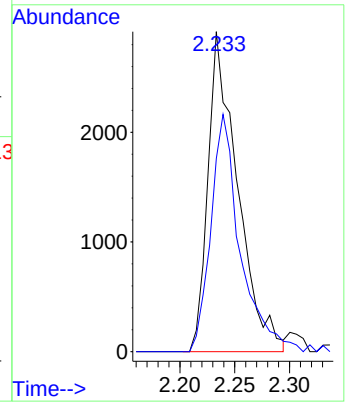


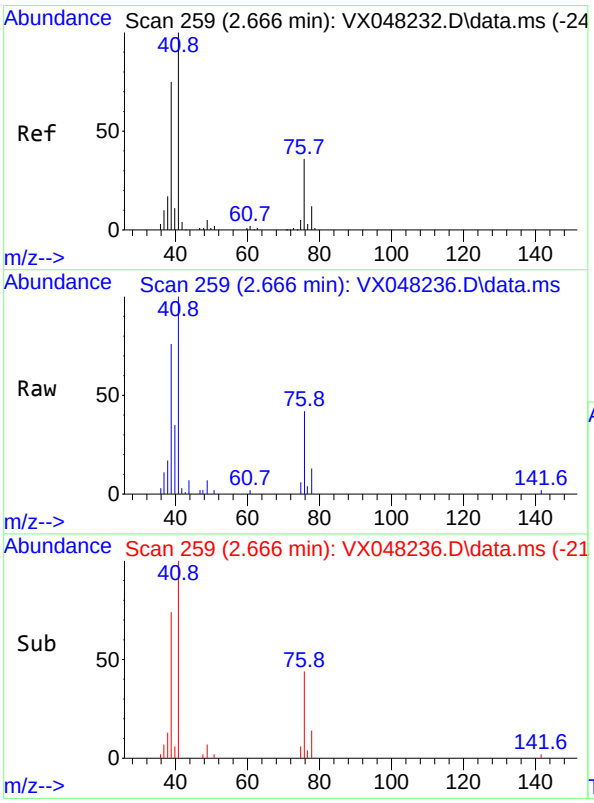

#13
Acrolein
Concen: 27.772 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 56 Resp: 5456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 73.7 | 56.1 | 84.1 |

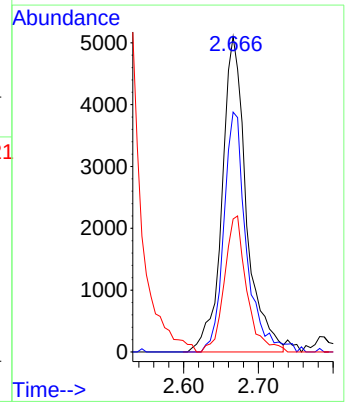


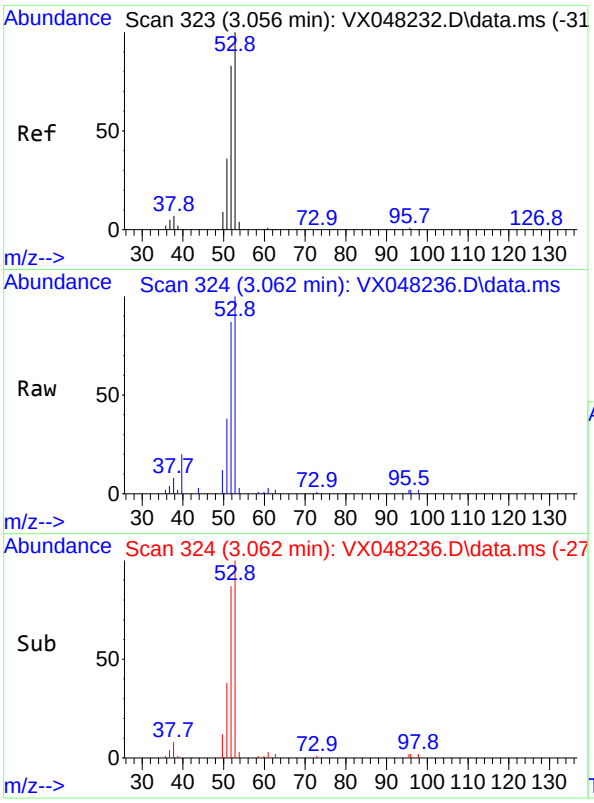




#14
Allyl chloride
Concen: 4.781 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 41 Resp: 11531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.2 | 56.0 | 84.0 |
| 76 | 39.7 | 27.5 | 41.3 |



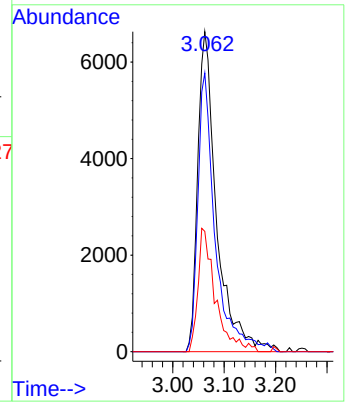


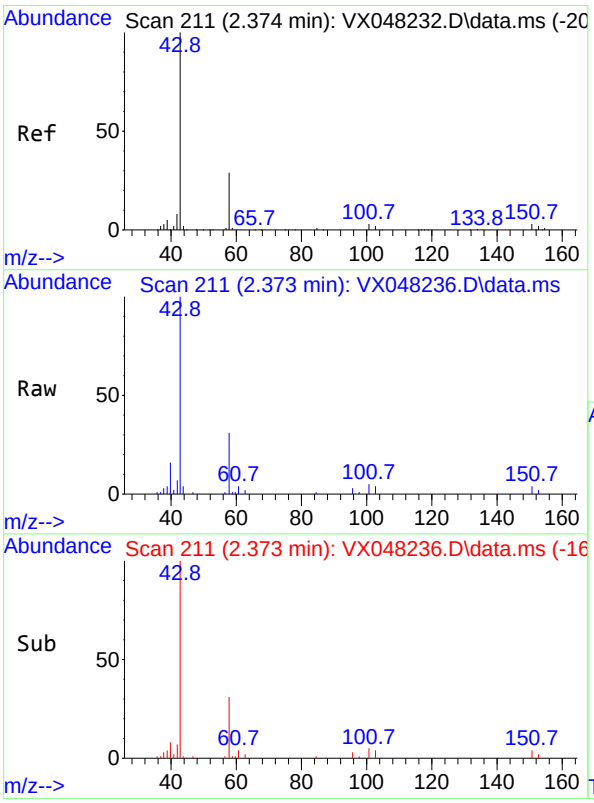

#15
Acrylonitrile
Concen: 24.449 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 53 Resp: 16982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.1 | 66.1 | 99.1 |
| 51 | 34.9 | 29.0 | 43.4 |

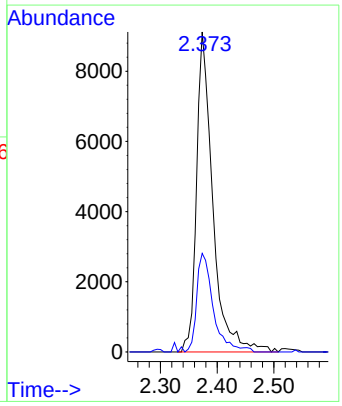


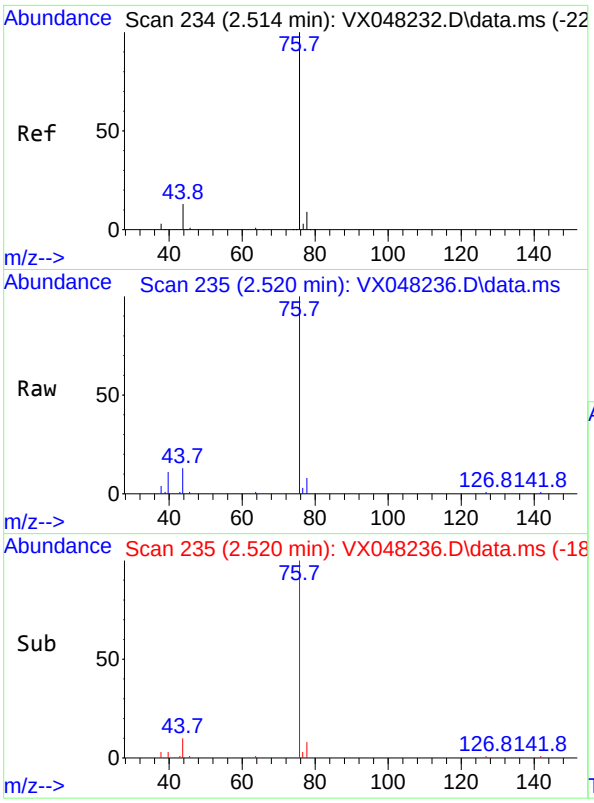




#16
Acetone
Concen: 27.256 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 43 Resp: 18141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.5 | 23.4 | 35.2 |



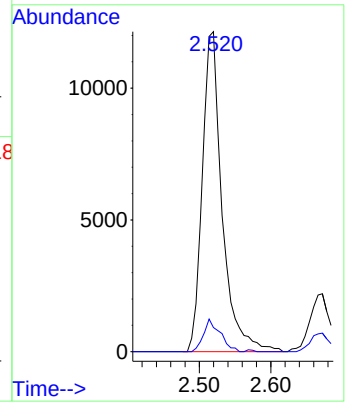


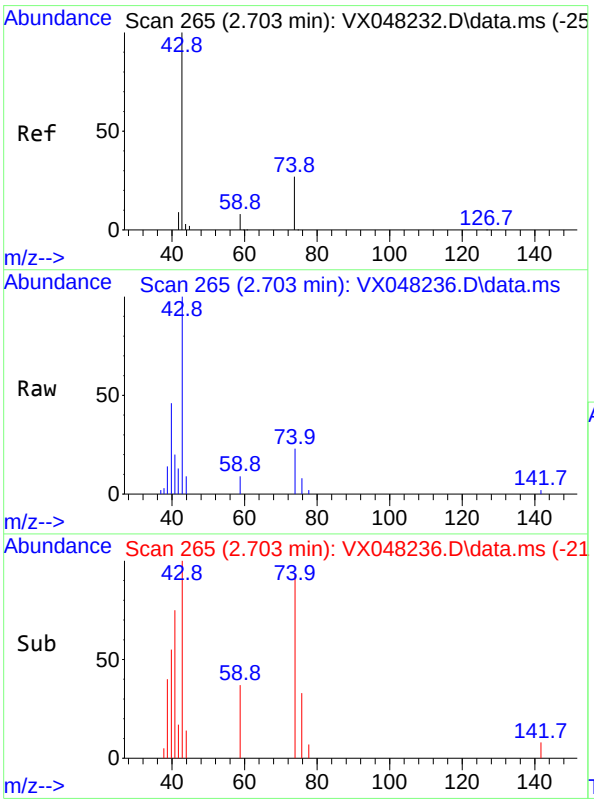

#17
Carbon Disulfide
Concen: 5.104 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 76 Resp: 23369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 7.3 | 7.1 | 10.7 |

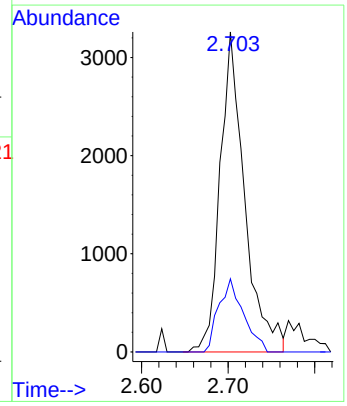


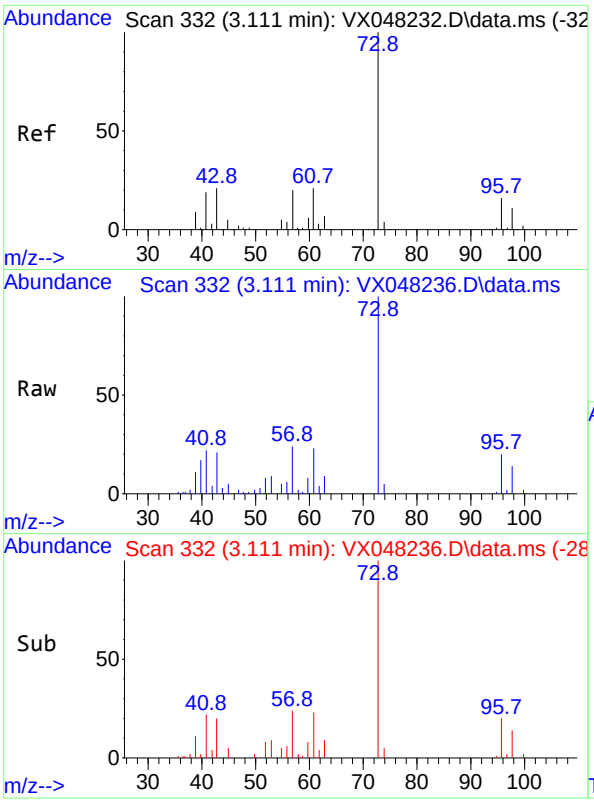




#18
Methyl Acetate
Concen: 4.617 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 43 Resp: 6418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.0 | 17.5 | 26.3 |



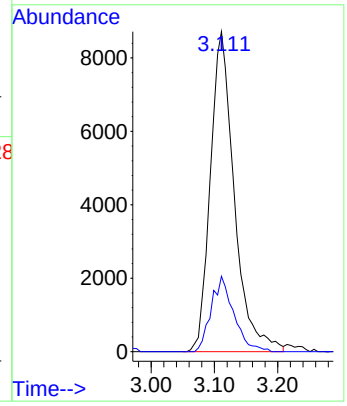


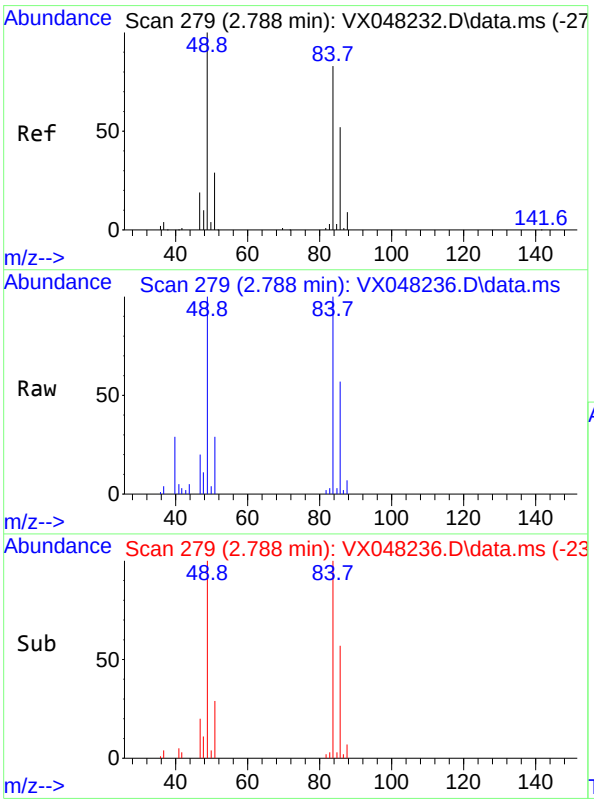

#19
Methyl tert-butyl Ether
Concen: 4.627 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 73 Resp: 22931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.6 | 17.7 | 26.5 |

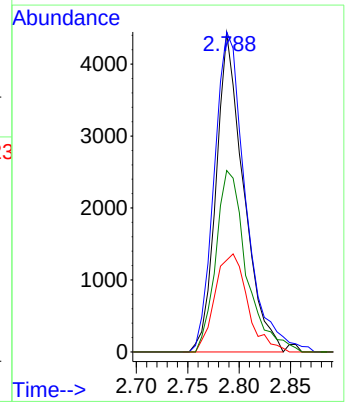


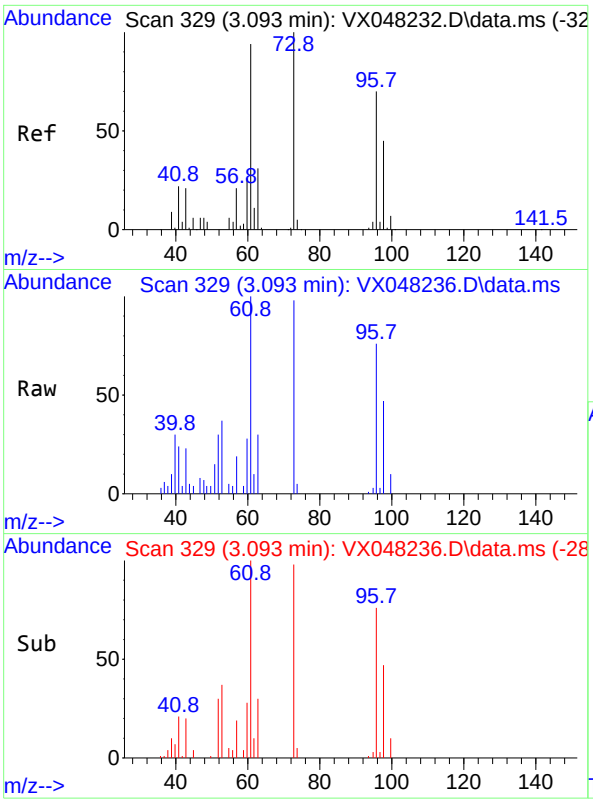




#20
Methylene Chloride
Concen: 5.074 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 84 Resp: 8228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 100.4 | 104.1 | 156.1# |
| 51 | 28.8 | 31.3 | 46.9# |
| 86 | 58.6 | 51.3 | 76.9 |



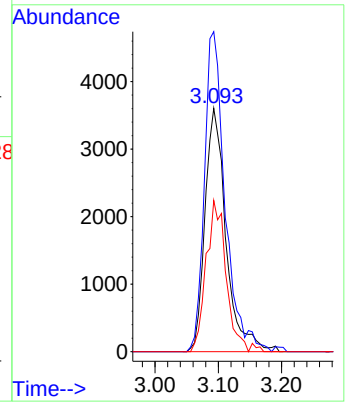


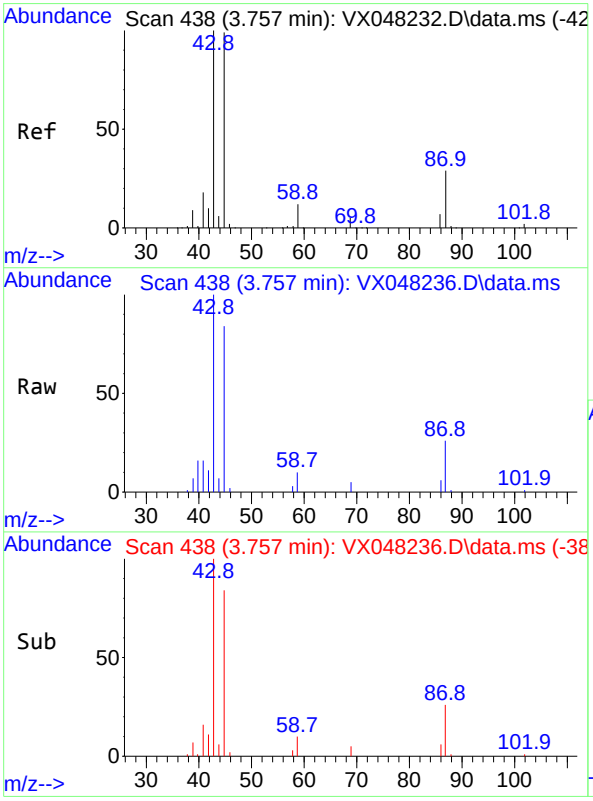

#21
trans-1,2-Dichloroethene
Concen: 5.228 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 96 Resp: 8343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 131.5 | 111.9 | 167.9 |
| 98 | 62.1 | 51.2 | 76.8 |

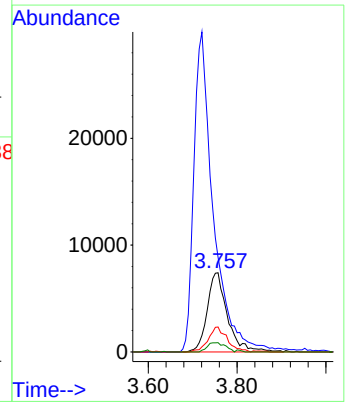


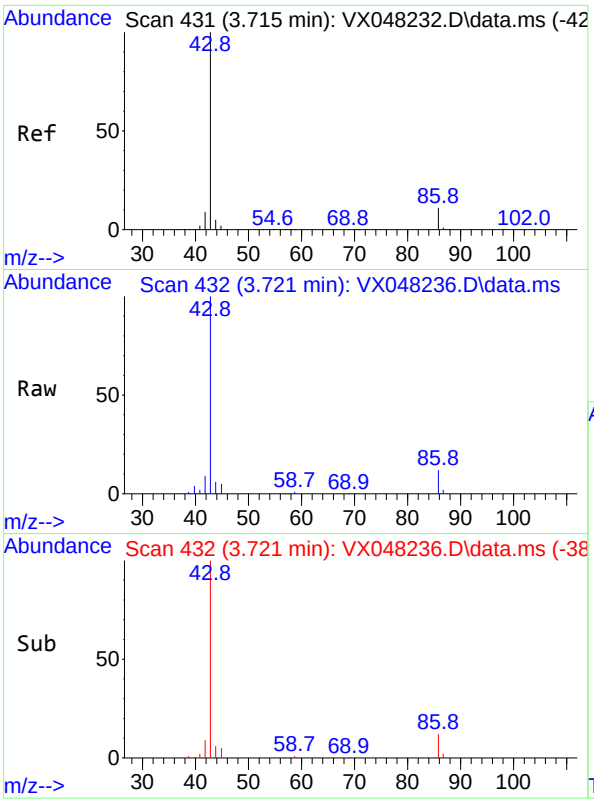




#22
Diisopropyl ether
Concen: 4.892 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 45 Resp: 23533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 113.3 | 89.8 | 134.8 |
| 87 | 31.5 | 20.6 | 31.0# |
| 59 | 11.7 | 9.1 | 13.7 |



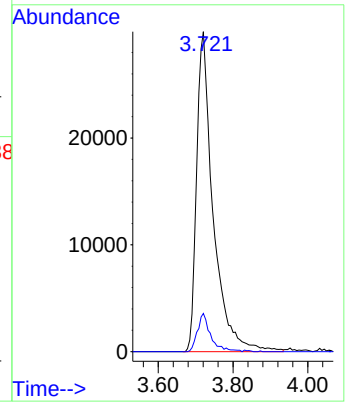


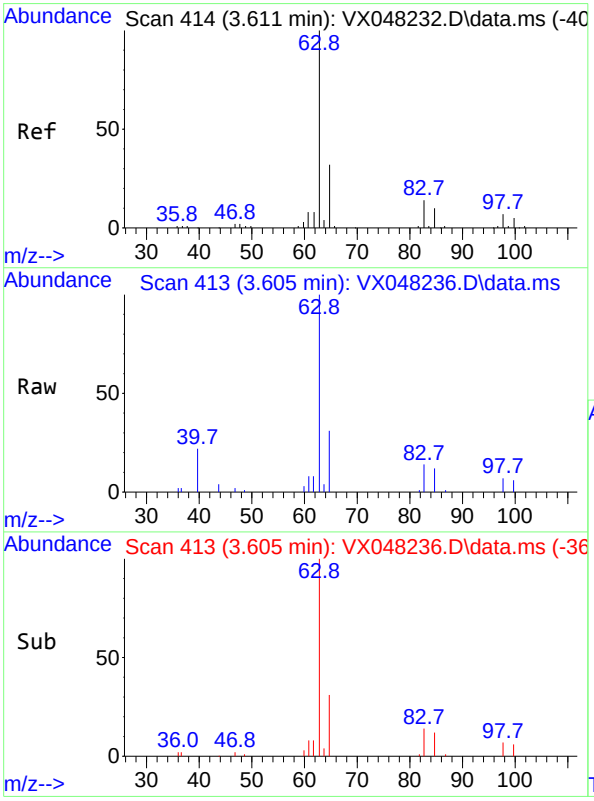

#23
Vinyl Acetate
Concen: 23.881 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 43 Resp: 91771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 13.5 | 7.9 | 11.9# |

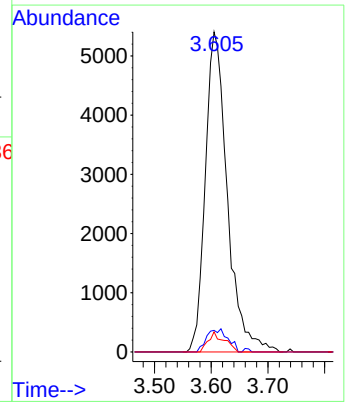


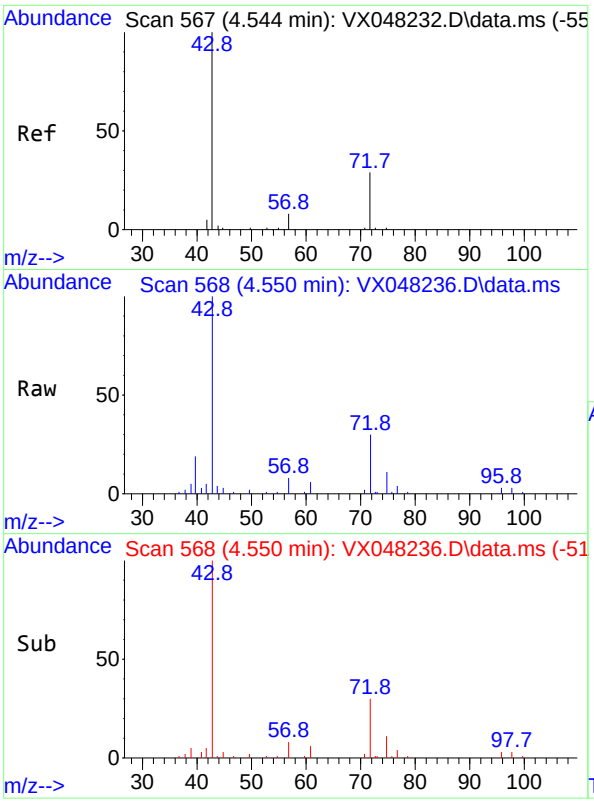




#24
1,1-Dichloroethane
Concen: 5.013 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 63 Resp: 14582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.5 | 10.6 |
| 100 | 6.3 | 2.1 | 6.3# |



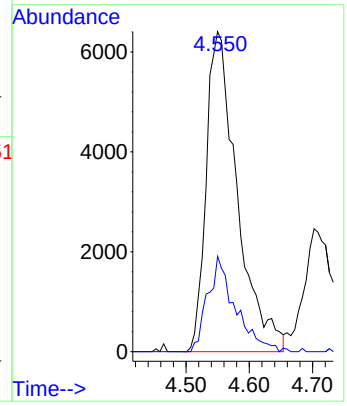


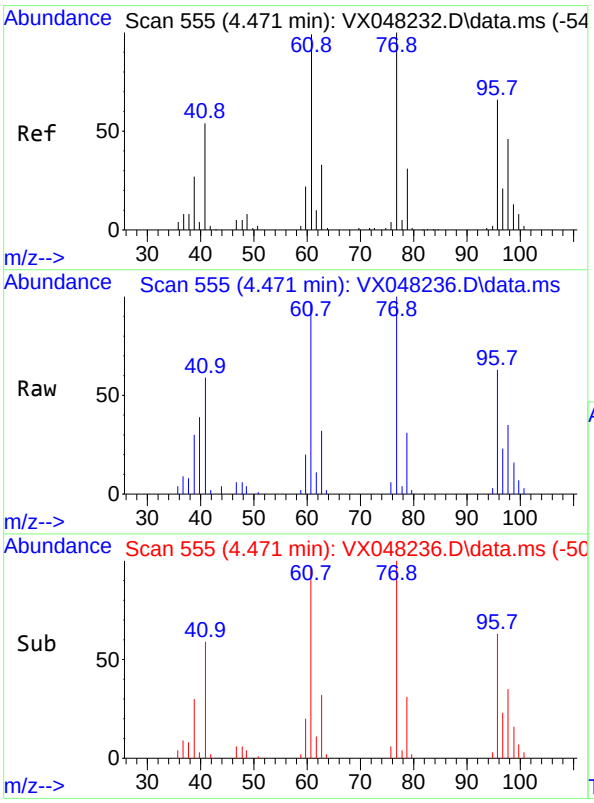

#25
2-Butanone
Concen: 25.887 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 43 Resp: 21808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 30.6 | 19.9 | 29.9# |

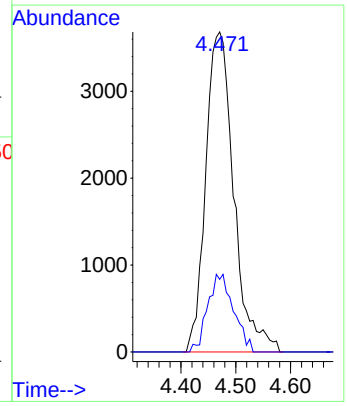


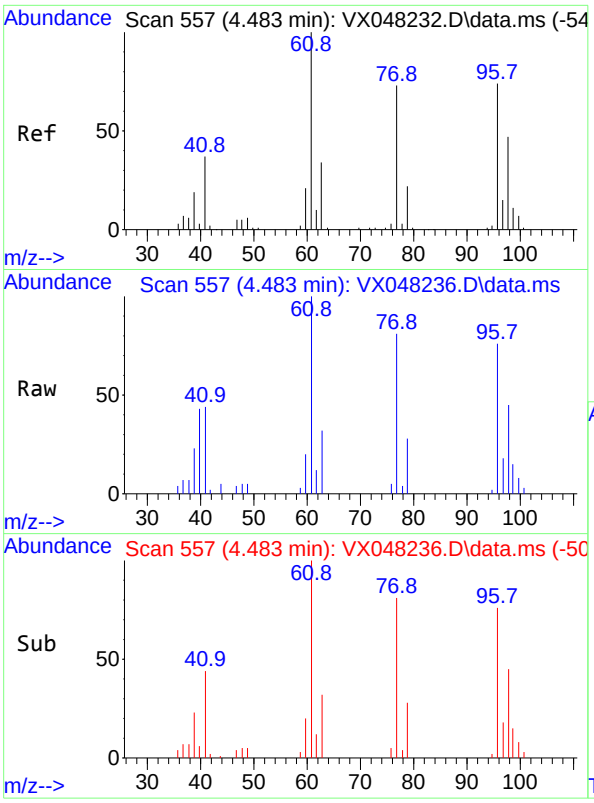




#26
2,2-Dichloropropane
Concen: 4.981 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 77 Resp: 13077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.5 | 11.1 | 33.3 |



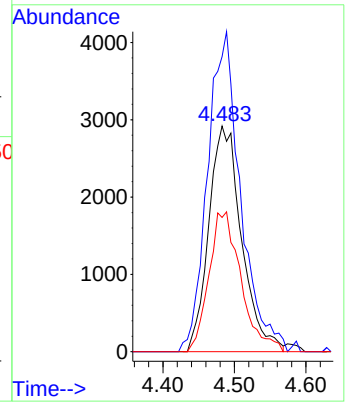


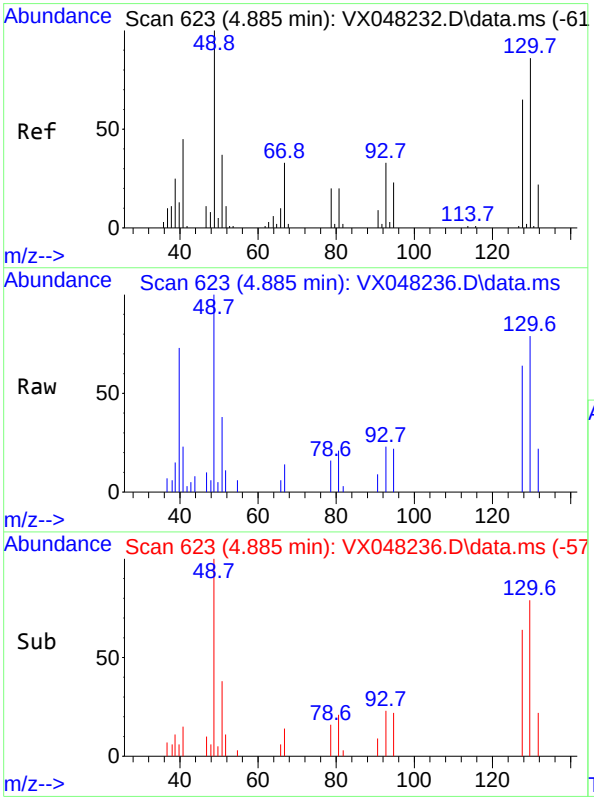

#27
cis-1,2-Dichloroethene
Concen: 5.000 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 96 Resp: 9312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.5 | 0.0 | 294.2 |
| 98 | 60.5 | 0.0 | 128.4 |

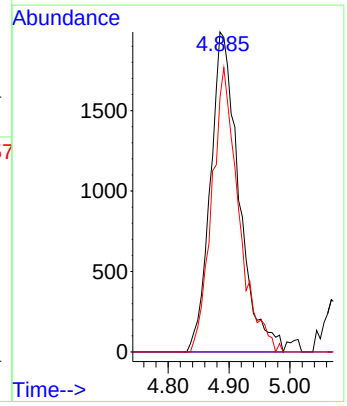


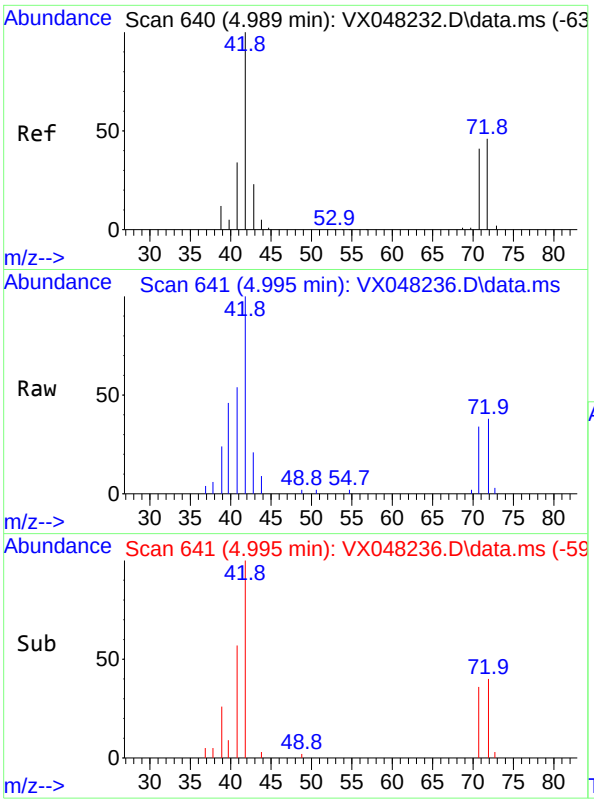




#28
Bromochloromethane
Concen: 5.379 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 49 Resp: 6488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.4 |
| 130 | 83.5 | 59.3 | 88.9 |



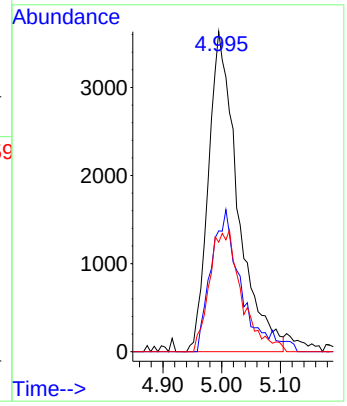


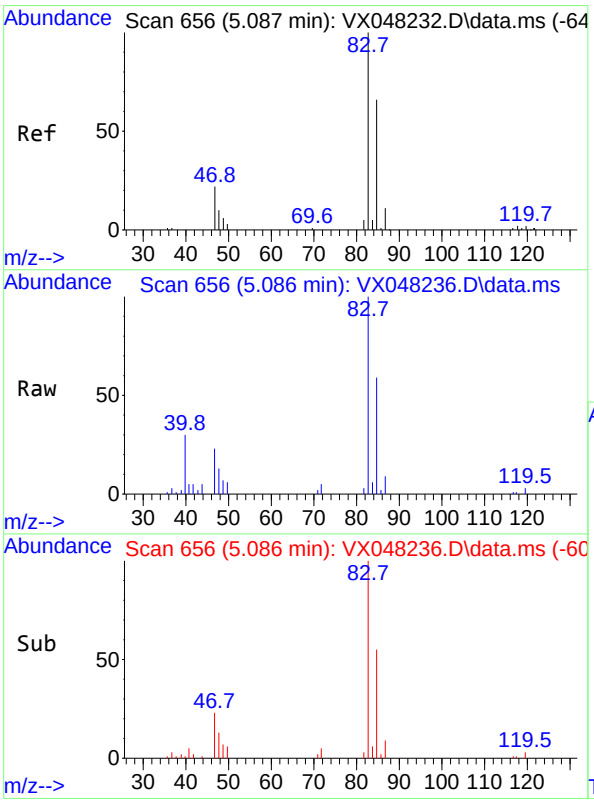

#29
Tetrahydrofuran
Concen: 25.047 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 42 Resp: 12637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.5 | 35.3 | 52.9 |
| 71 | 41.3 | 32.2 | 48.4 |

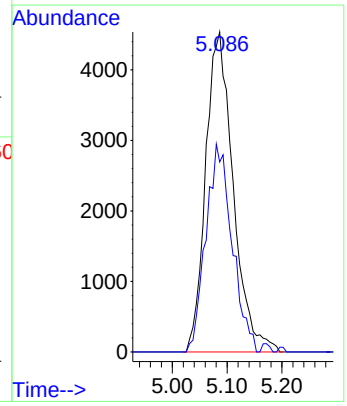


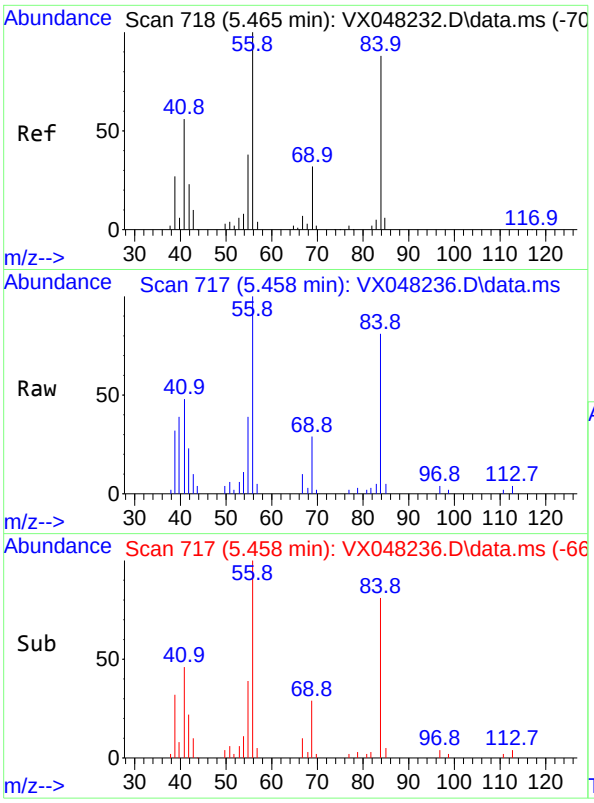




#30
Chloroform
Concen: 5.089 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 83 Resp: 15814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 59.4 | 50.1 | 75.1 |



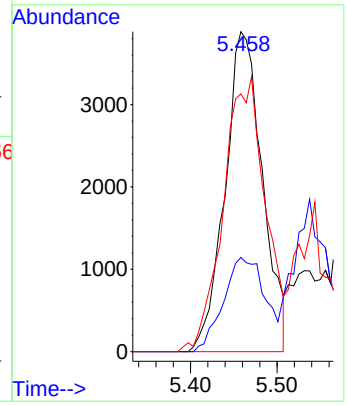


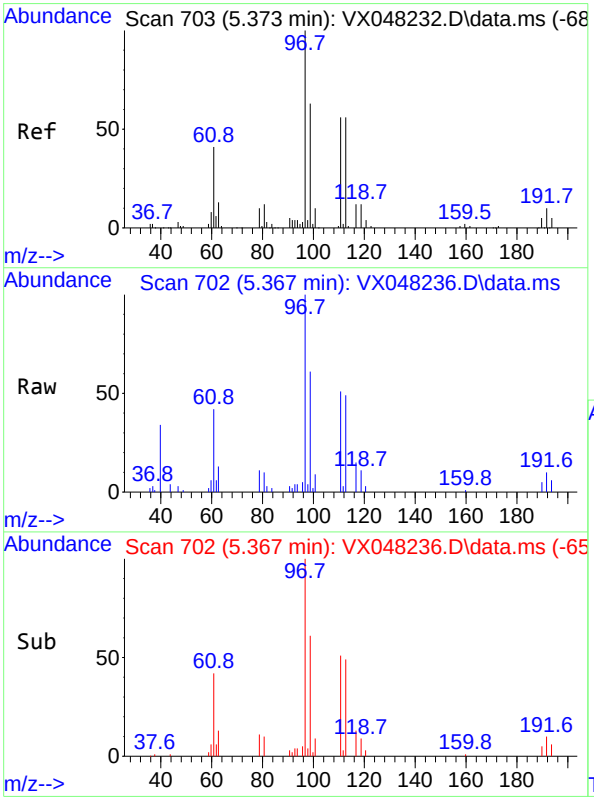

#31
Cyclohexane
Concen: 4.842 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 56 Resp: 11661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.4 | 23.0 | 34.6 |
| 84 | 79.1 | 64.6 | 97.0 |

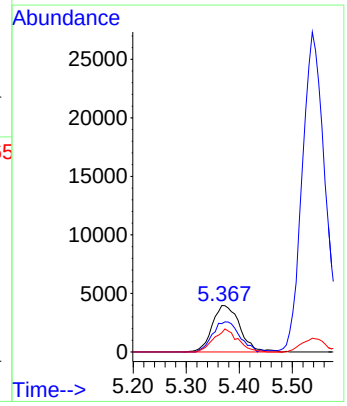


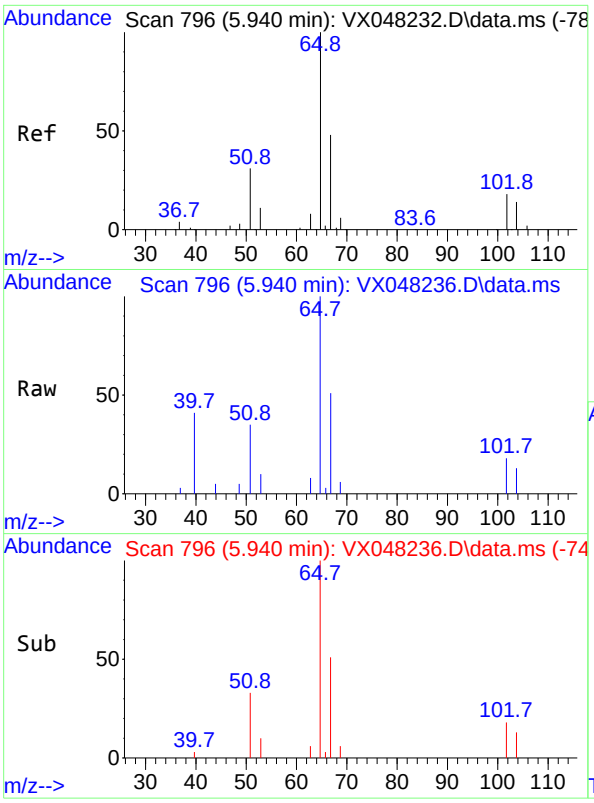




#32
1,1,1-Trichloroethane
Concen: 5.027 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 97 Resp: 14399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.0 | 51.7 | 77.5 |
| 61 | 42.8 | 34.8 | 52.2 |



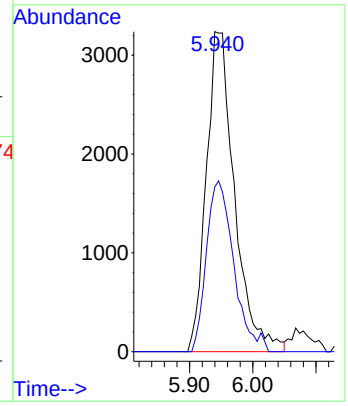


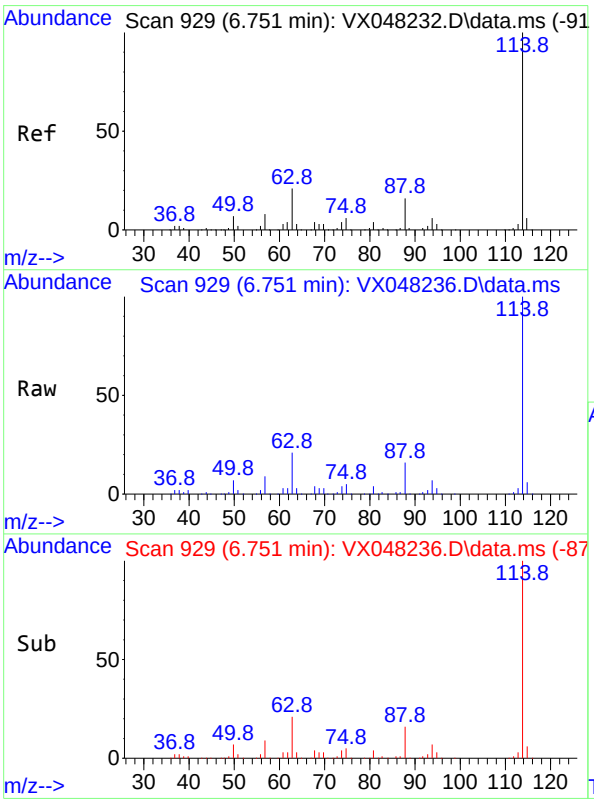

#33
1,2-Dichloroethane-d4
Concen: 5.173 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 65 Resp: 10036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 105.0 |

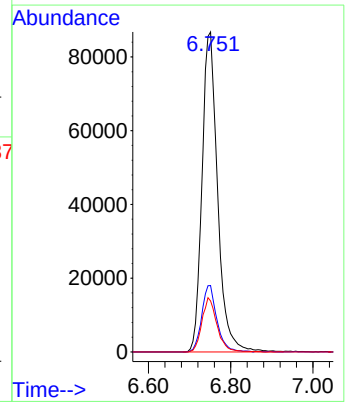


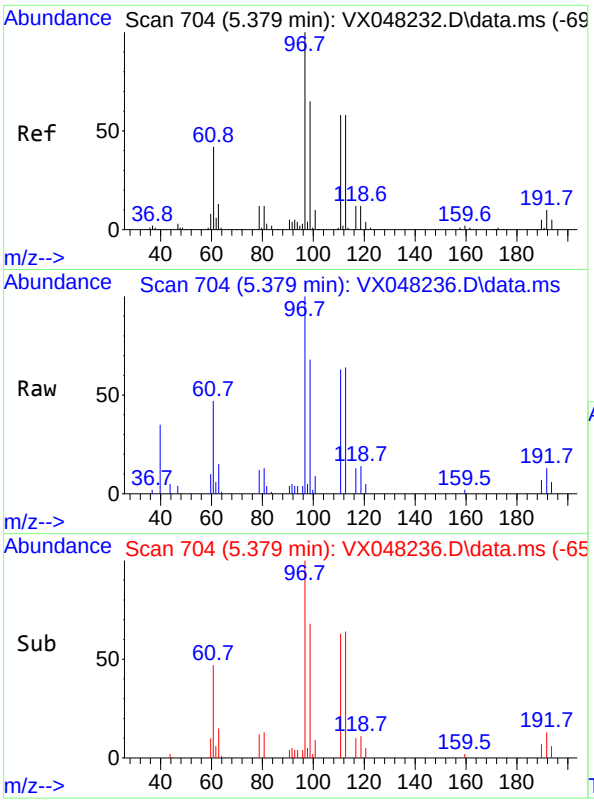




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:114 Resp: 228619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 43.2 |
| 88 | 15.9 | 0.0 | 33.6 |



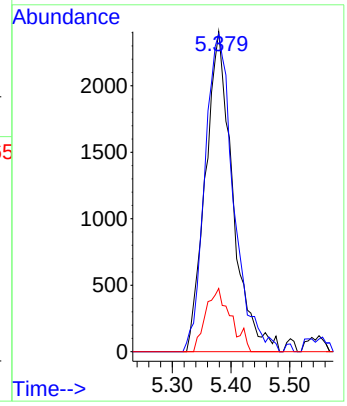


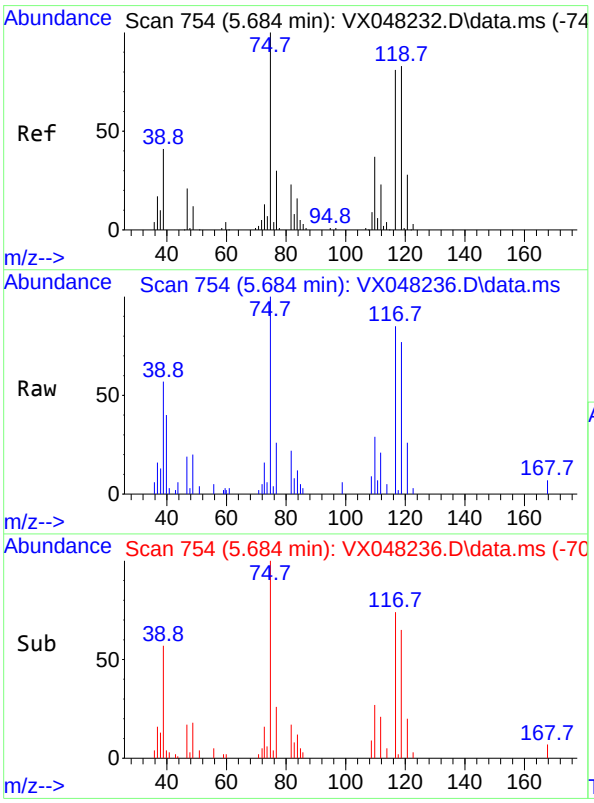

#35
Dibromofluoromethane
Concen: 4.955 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:113 Resp: 7733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.9 | 82.2 | 123.4 |
| 192 | 18.3 | 15.1 | 22.7 |

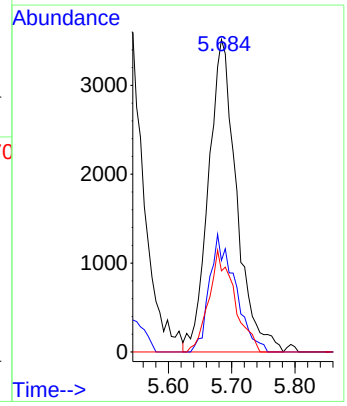


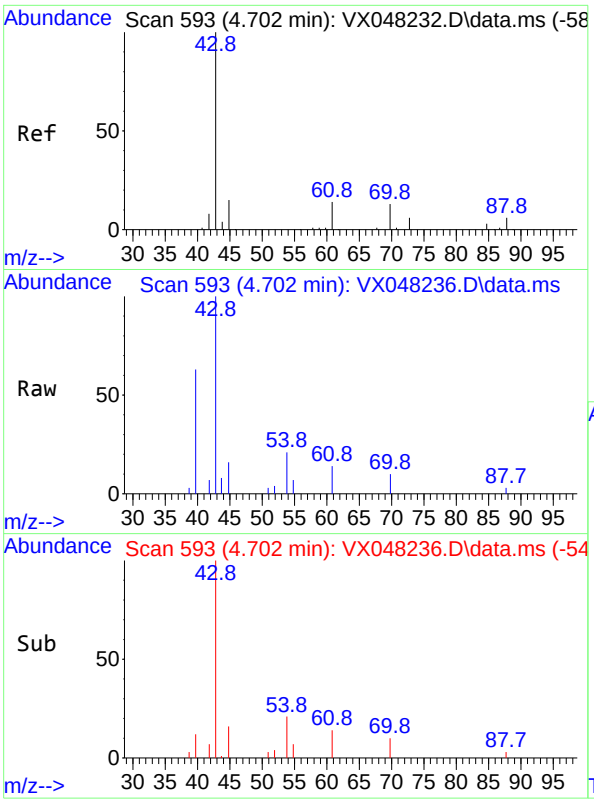




#36
1,1-Dichloropropene
Concen: 4.893 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 10855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 17.7 | 53.1 |
| 77 | 29.5 | 24.3 | 36.5 |



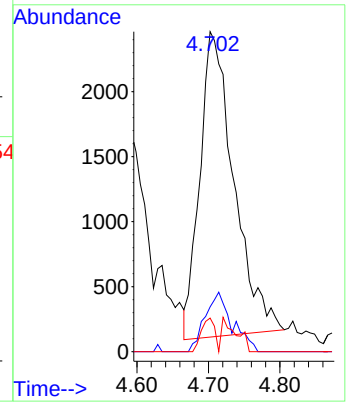


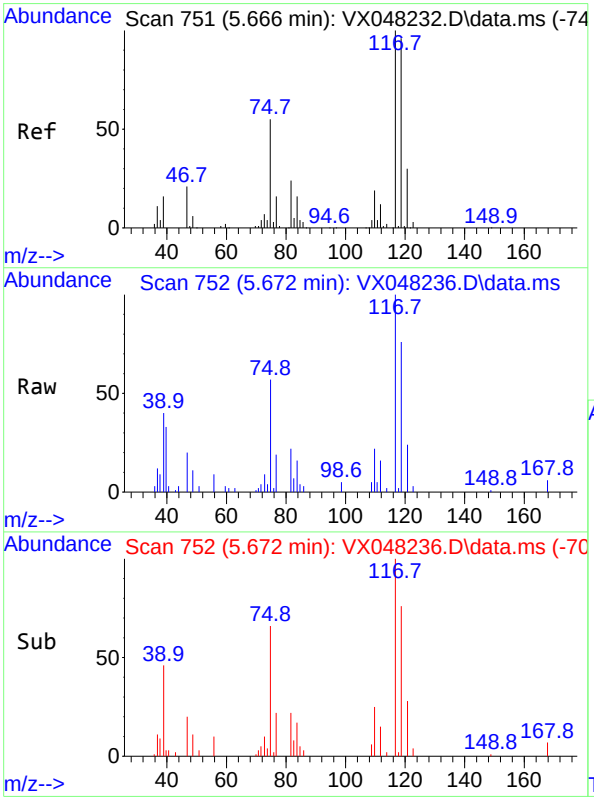

#37
Ethyl Acetate
Concen: 4.220 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 43 Resp: 7759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 10.6 | 15.8# |
| 70 | 4.3 | 7.8 | 11.6# |

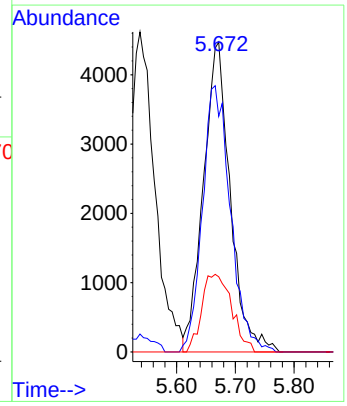


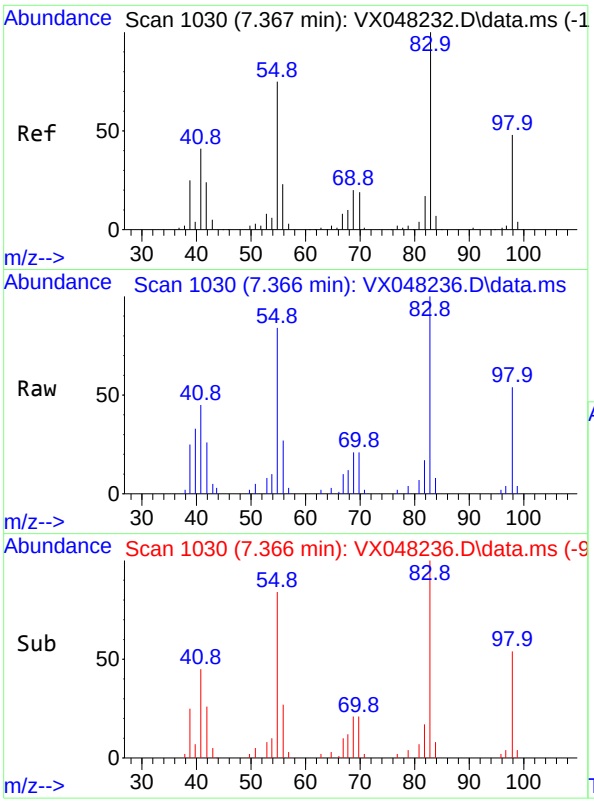




#38
Carbon Tetrachloride
Concen: 5.198 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:117 Resp: 14225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 76.0 | 77.2 | 115.8# |
| 121 | 24.3 | 24.8 | 37.2# |



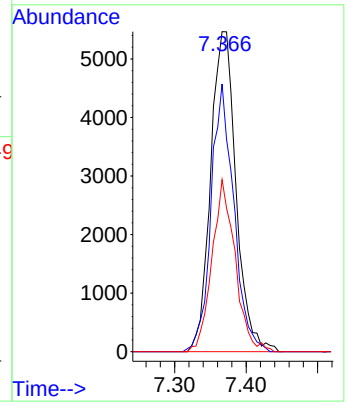


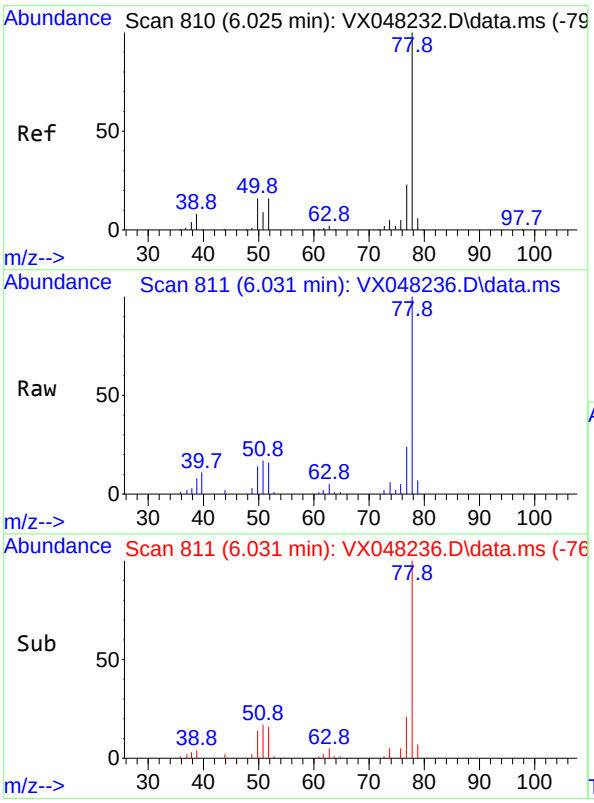

#39
Methylcyclohexane
Concen: 5.149 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 83 Resp: 13491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.6 | 66.2 | 99.2 |
| 98 | 53.8 | 38.9 | 58.3 |

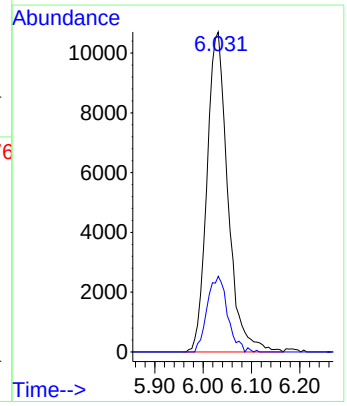


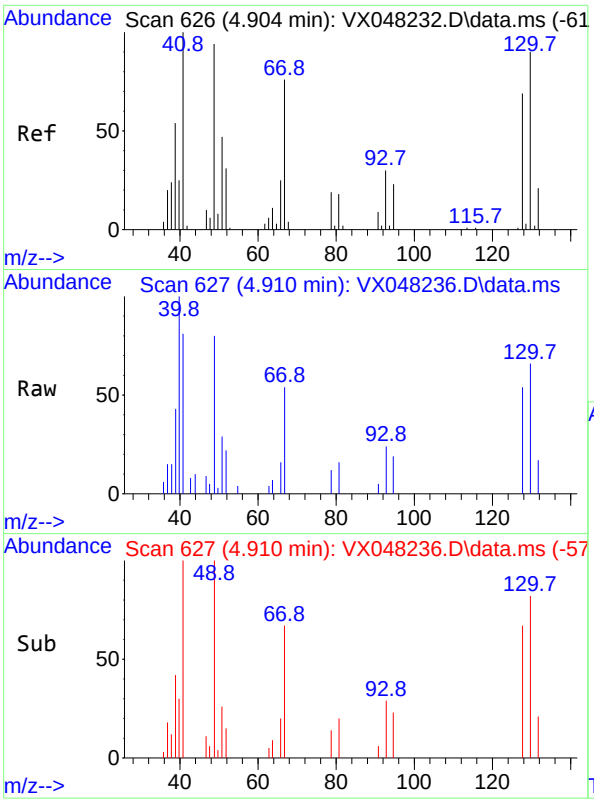




#40
Benzene
Concen: 4.986 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 78 Resp: 32115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.3 | 28.9 |



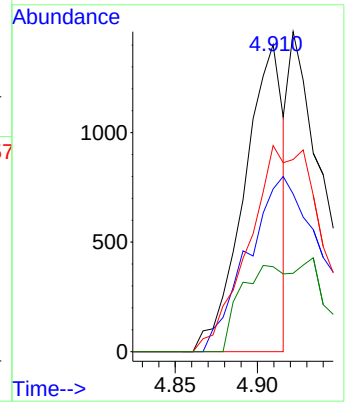


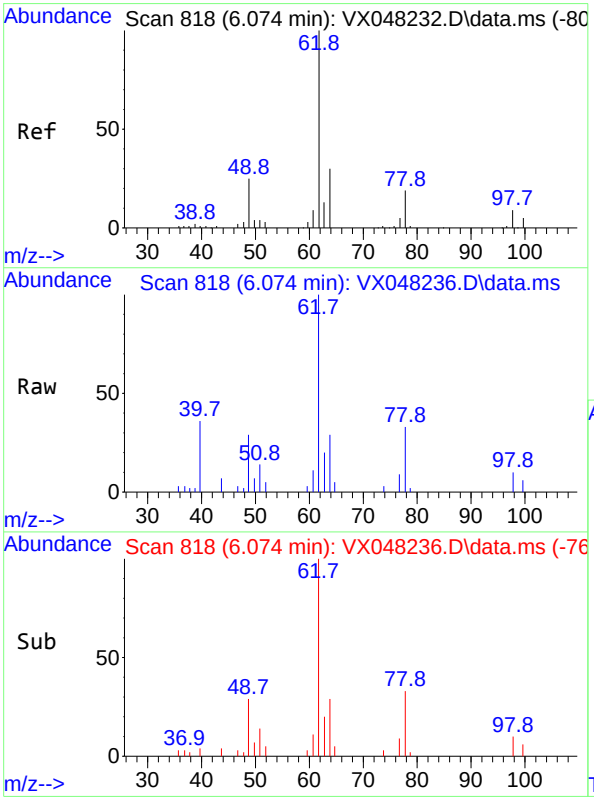

#41
Methacrylonitrile
Concen: 2.423 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 41 Resp: 2340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 107.2 | 44.0 | 66.0# |
| 67 | 141.2 | 58.7 | 88.1# |
| 52 | 31.1 | 25.9 | 38.9 |

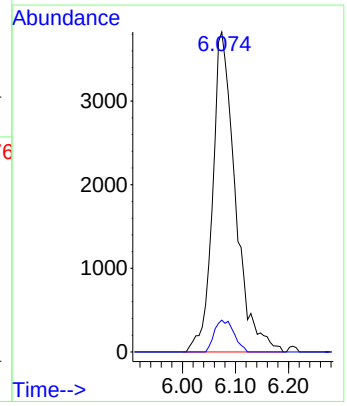


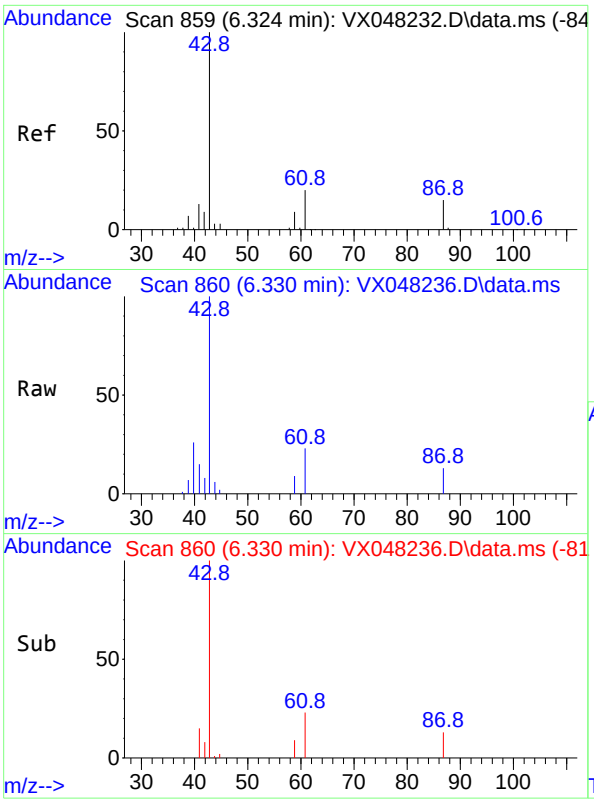




#42
1,2-Dichloroethane
Concen: 4.802 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 62 Resp: 11412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 17.2 |



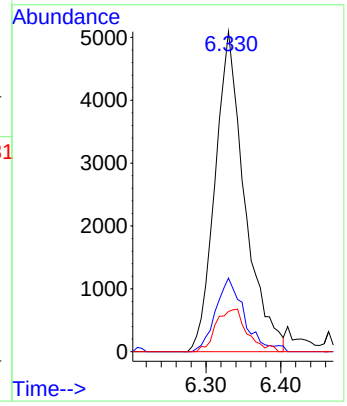


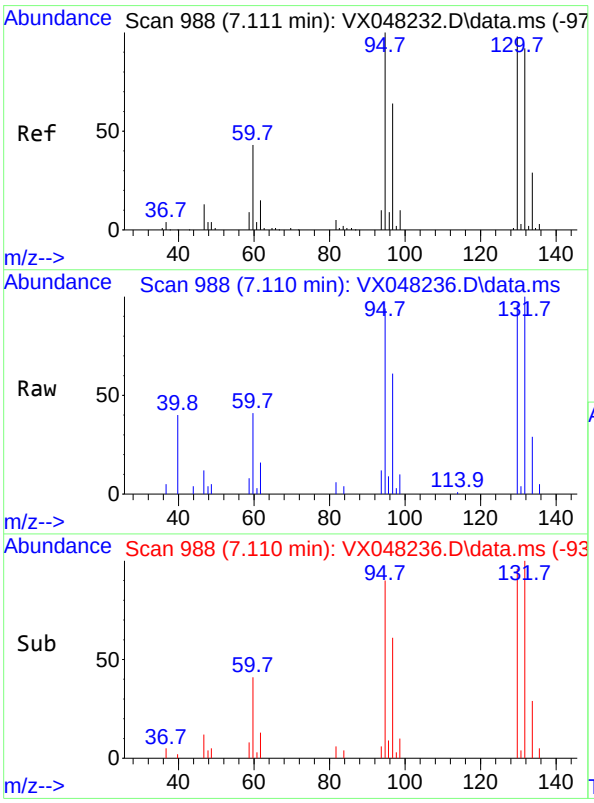

#43
Isopropyl Acetate
Concen: 4.634 ug/l
RT: 6.330 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 43 Resp: 13996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 22.5 | 14.9 | 22.3# |
| 87 | 14.0 | 9.4 | 14.2 |

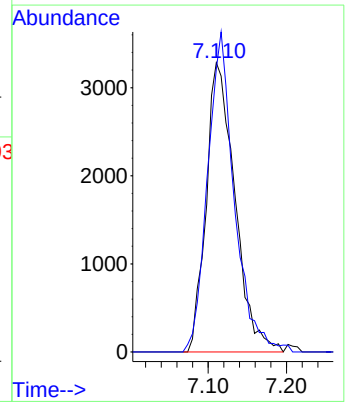


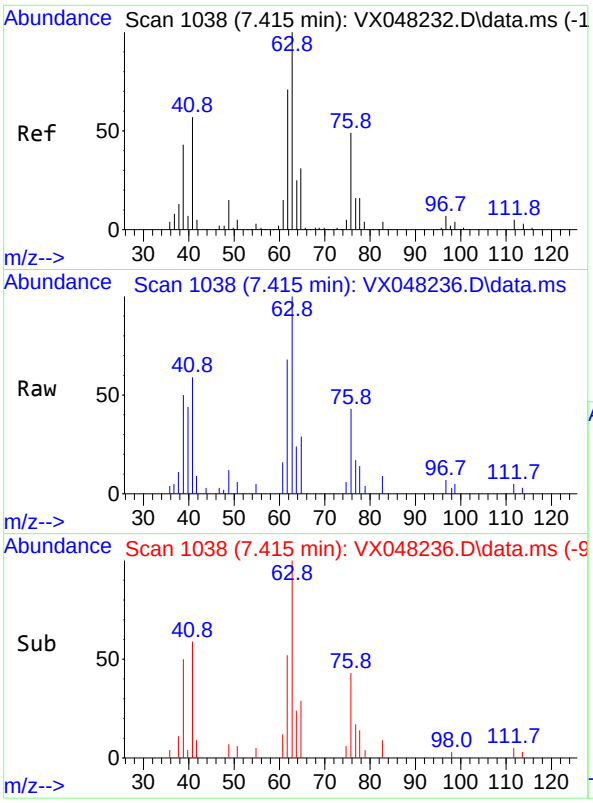




#44
Trichloroethene
Concen: 4.923 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:130 Resp: 8373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 107.6 | 0.0 | 200.6 |



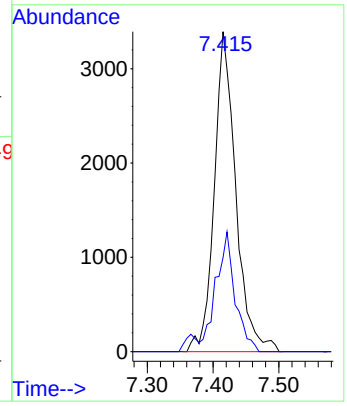


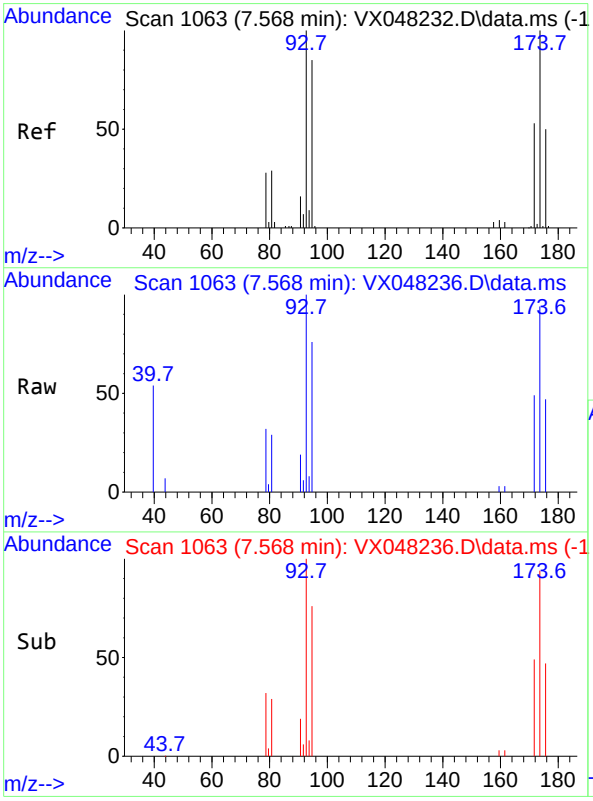

#45
1,2-Dichloropropane
Concen: 5.034 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 63 Resp: 7709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.4 | 24.1 | 36.1 |

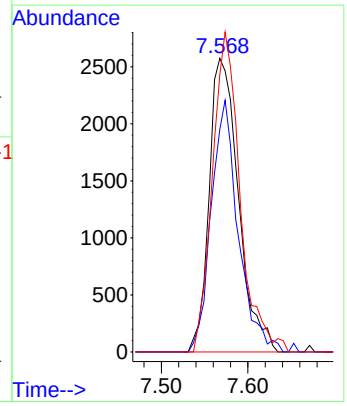


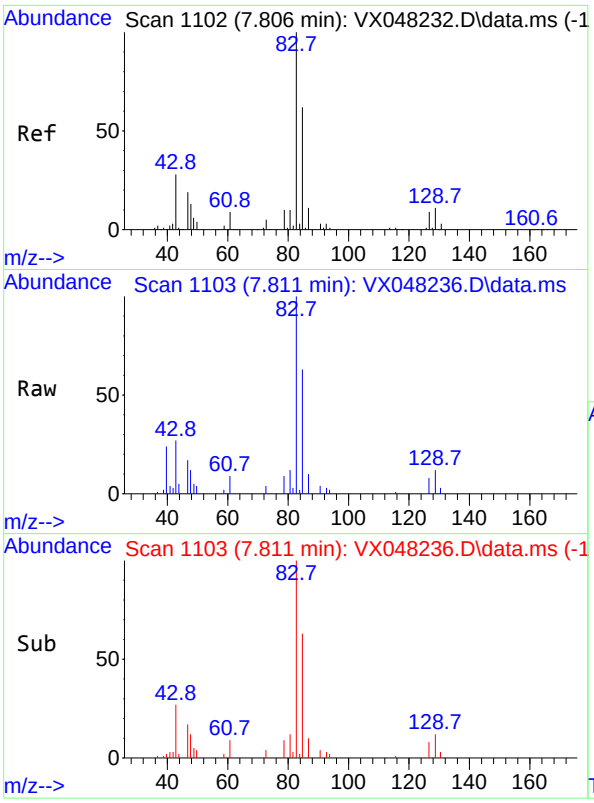




#46
Dibromomethane
Concen: 5.064 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 93 Resp: 6041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 79.0 | 65.9 | 98.9 |
| 174 | 103.1 | 71.7 | 107.5 |



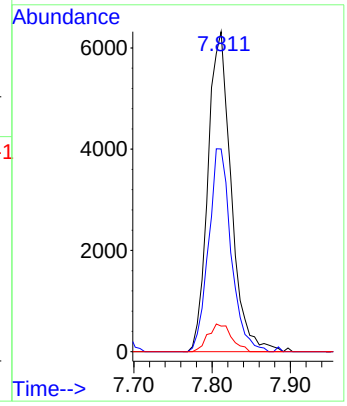


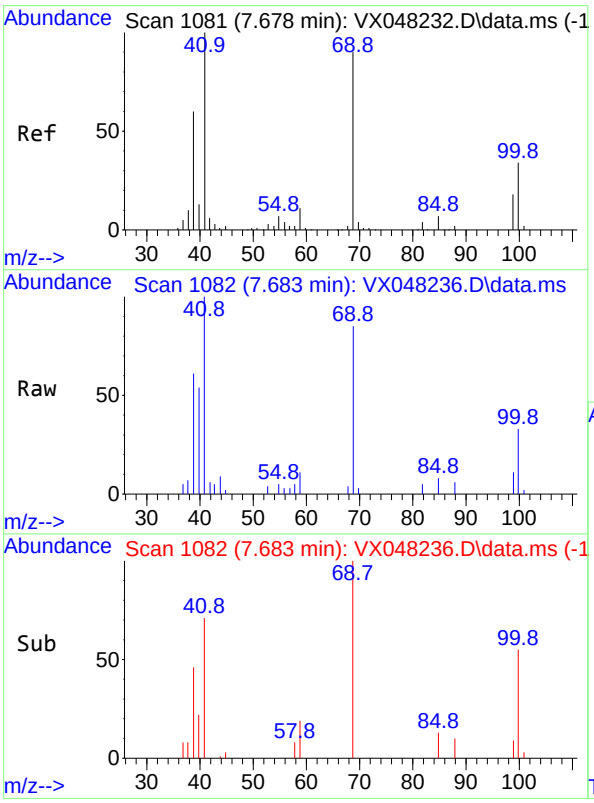

#47
Bromodichloromethane
Concen: 5.037 ug/l
RT: 7.811 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 83 Resp: 12974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 52.2 | 78.4 |
| 127 | 8.0 | 7.3 | 10.9 |

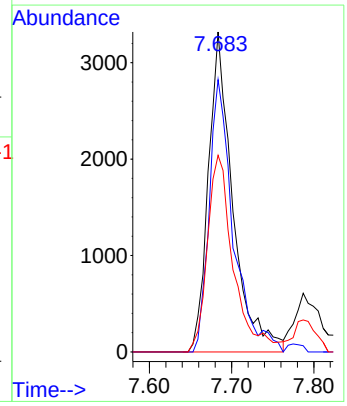


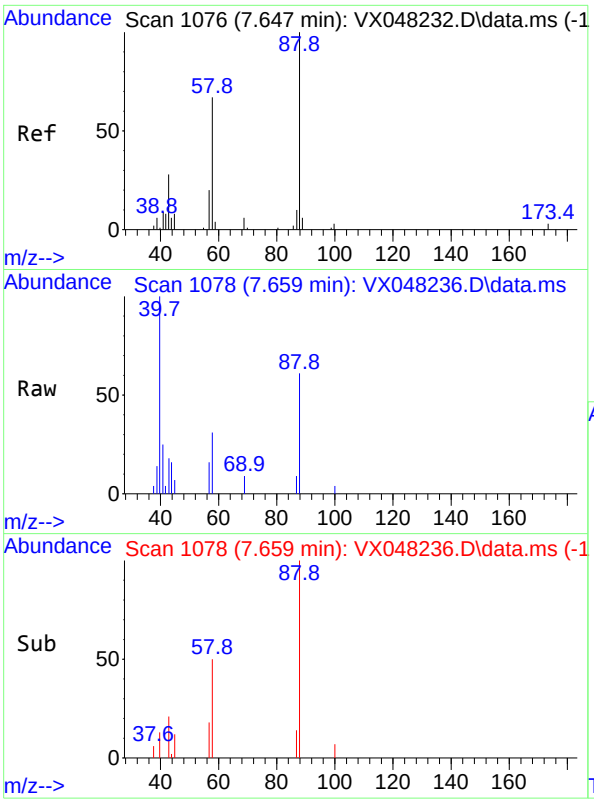




#48
Methyl methacrylate
Concen: 4.503 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 41 Resp: 6863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.7 | 63.4 | 95.0 |
| 39 | 64.8 | 47.1 | 70.7 |



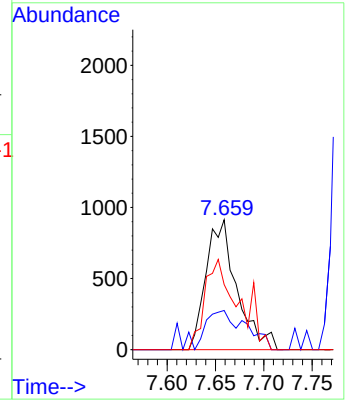


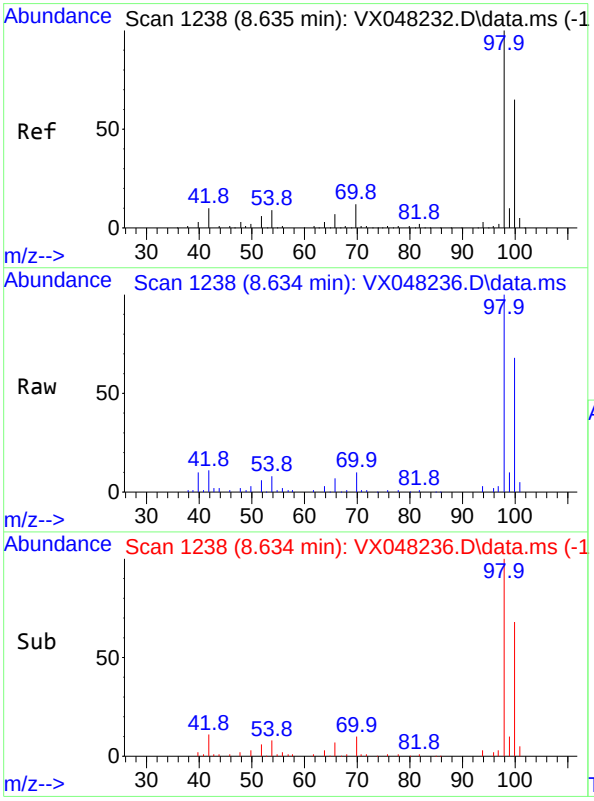

#49
1,4-Dioxane
Concen: 100.322 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 88 Resp: 2020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.4 | 35.0 | 52.4 |
| 58 | 76.8 | 61.9 | 92.9 |

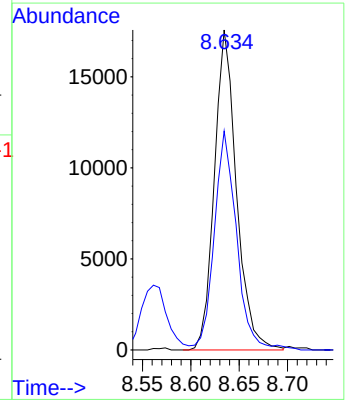


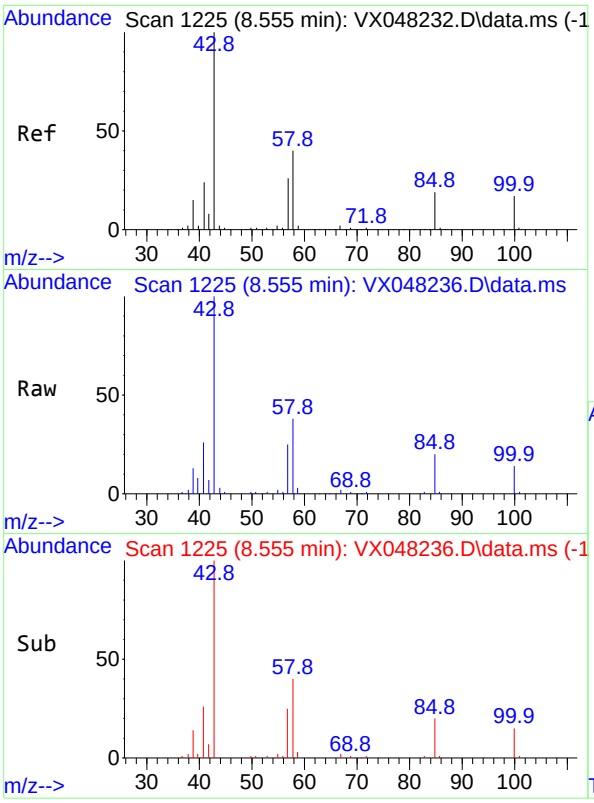




#50
Toluene-d8
Concen: 5.102 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 98 Resp: 27914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 69.2 | 53.0 | 79.4 |



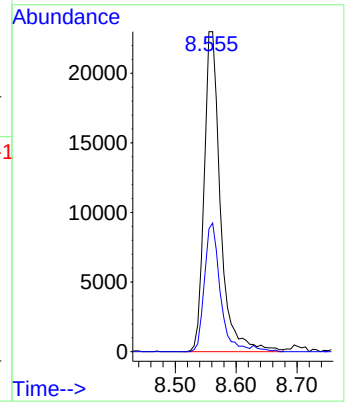


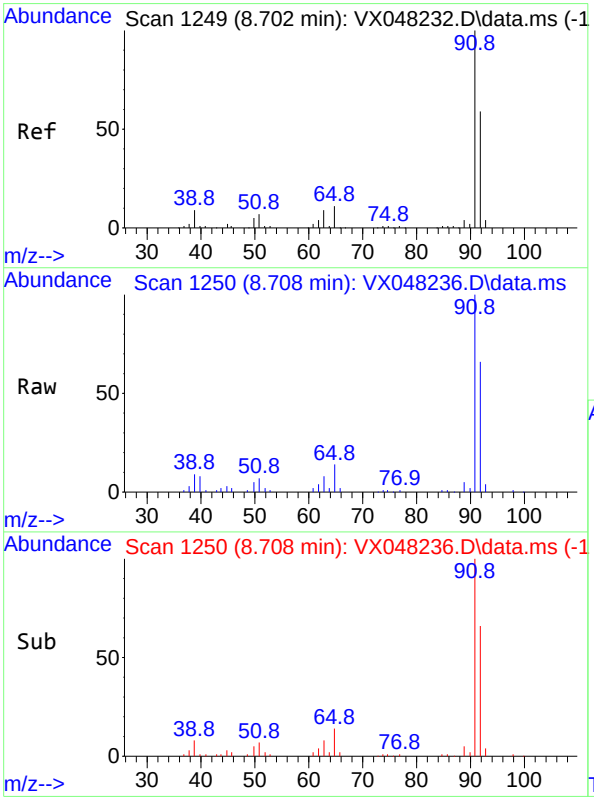

#51
4-Methyl-2-Pentanone
Concen: 24.534 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 43 Resp: 42725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.7 | 29.5 | 44.3 |

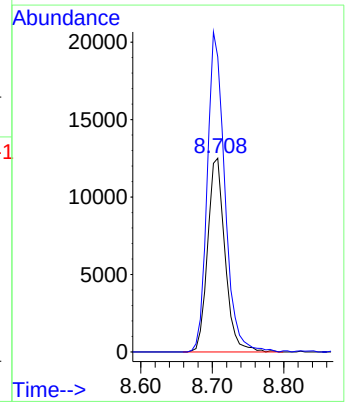


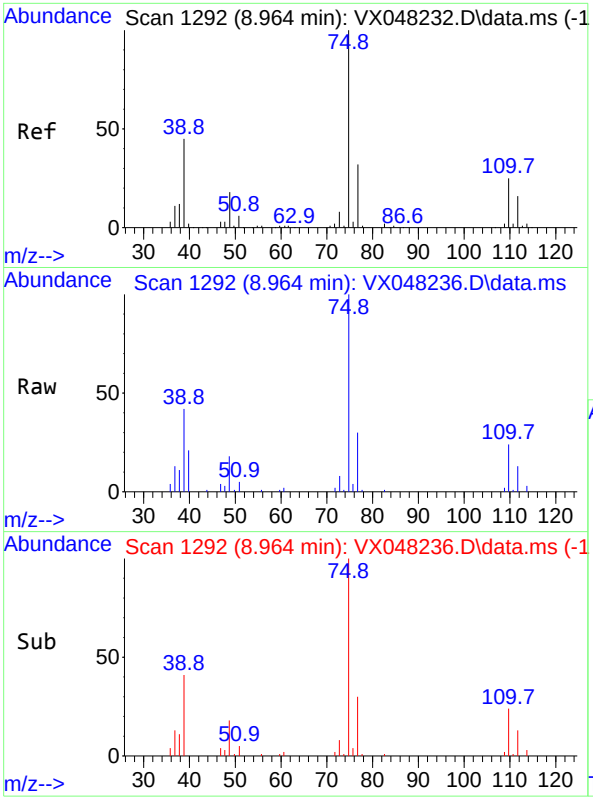




#52
Toluene
Concen: 5.166 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 92 Resp: 21137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 166.2 | 136.1 | 204.1 |



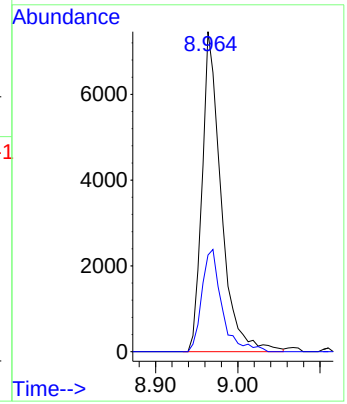


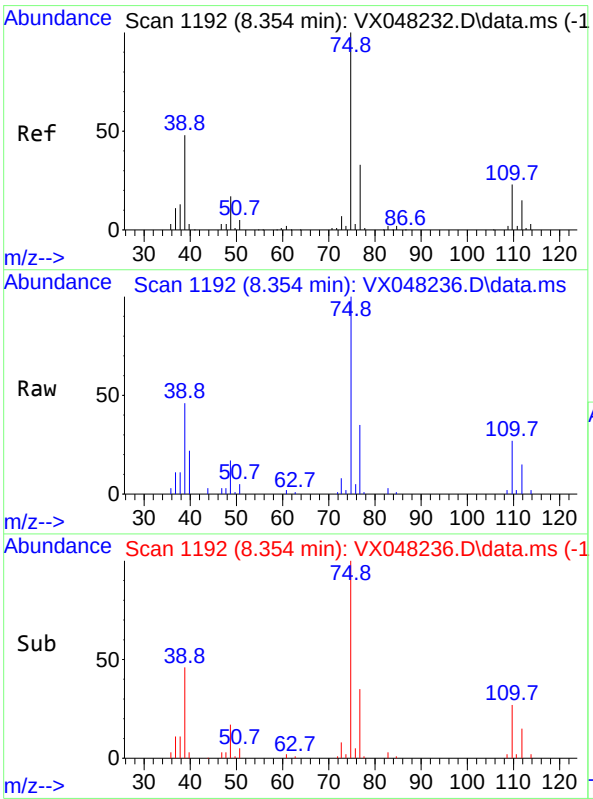

#53
t-1,3-Dichloropropene
Concen: 4.840 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 75 Resp: 12015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.2 | 25.0 | 37.6 |

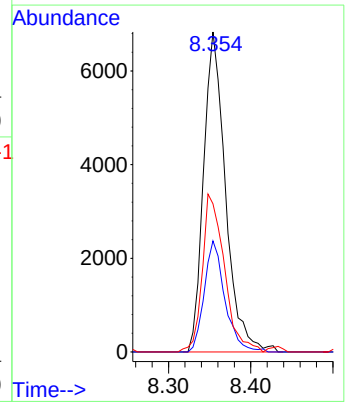


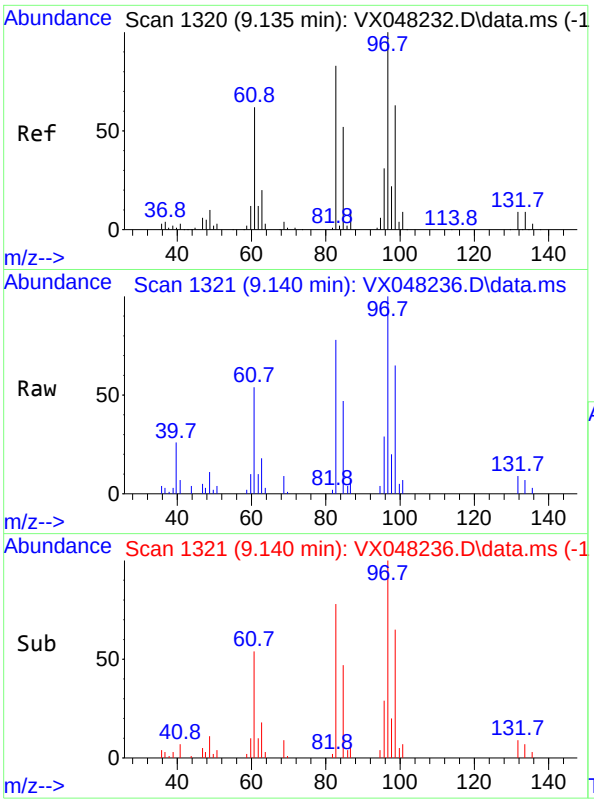




#54
cis-1,3-Dichloropropene
Concen: 4.743 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 12702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.7 | 24.9 | 37.3 |
| 39 | 45.3 | 42.6 | 64.0 |



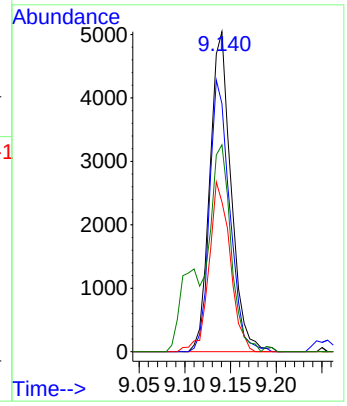


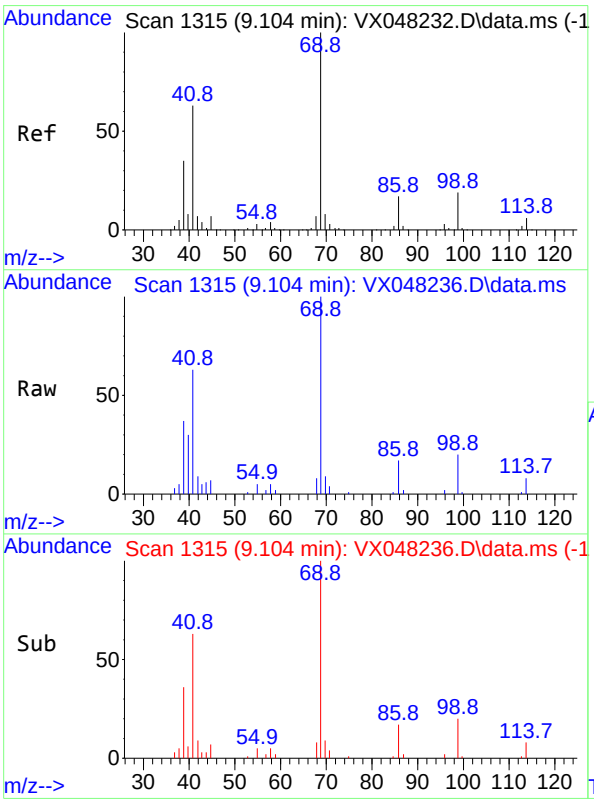

#55
1,1,2-Trichloroethane
Concen: 5.332 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 97 Resp: 8113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 77.5 | 70.6 | 105.8 |
| 85 | 46.8 | 45.0 | 67.6 |
| 99 | 64.7 | 50.9 | 76.3 |

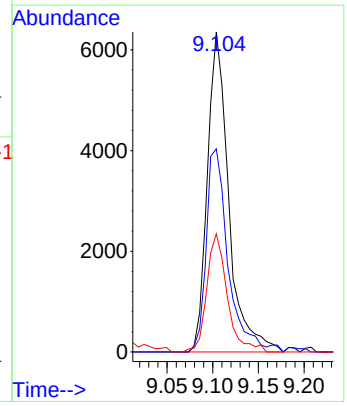


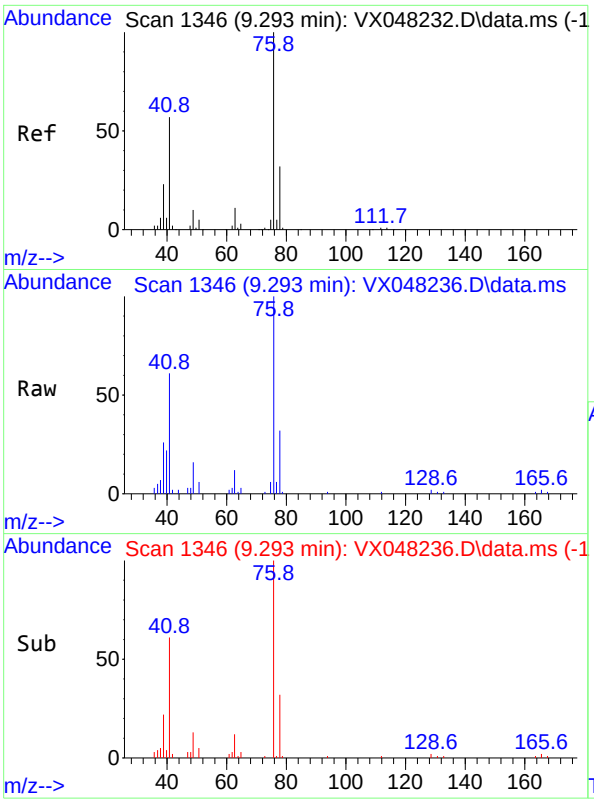




#56
Ethyl methacrylate
Concen: 4.637 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 69 Resp: 10320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 65.3 | 56.0 | 84.0 |
| 39 | 35.3 | 31.6 | 47.4 |



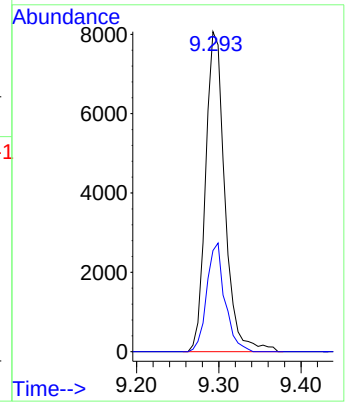


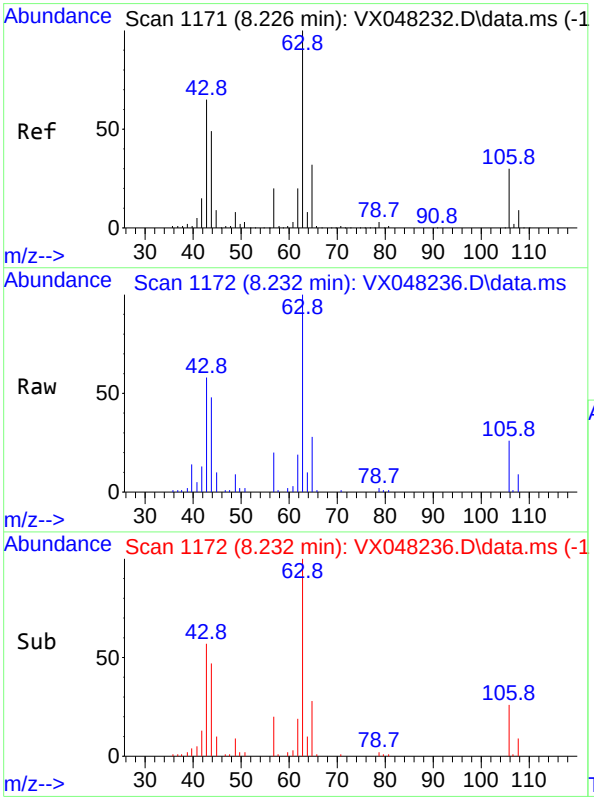

#57
1,3-Dichloropropane
Concen: 5.035 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 76 Resp: 13087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.0 | 25.4 | 38.0 |

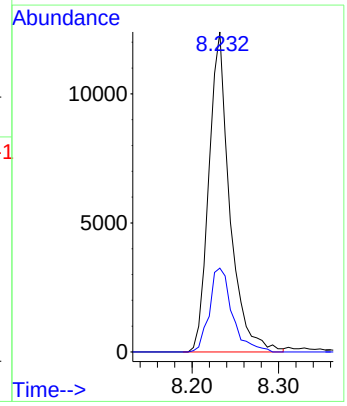


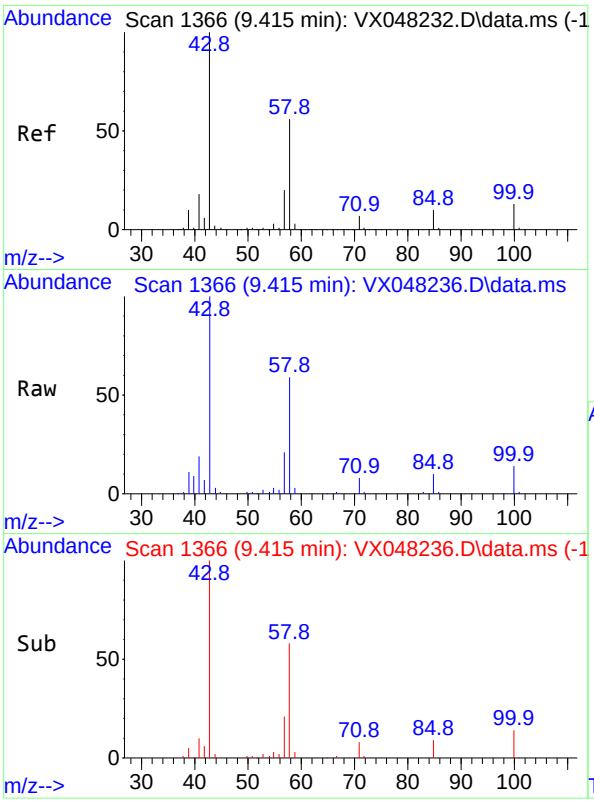




#58
2-Chloroethyl Vinyl ether
Concen: 18.931 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 63 Resp: 20764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.6 | 22.2 | 33.2 |



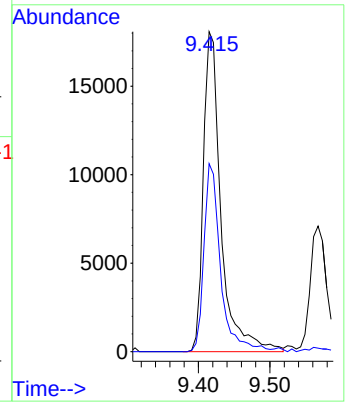


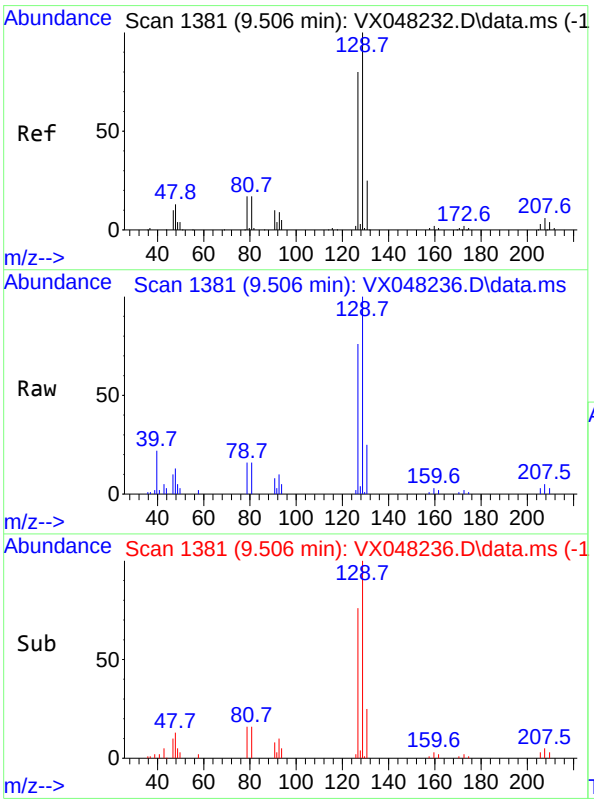

#59
2-Hexanone
Concen: 25.488 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 43 Resp: 30949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.4 | 26.3 | 78.8 |

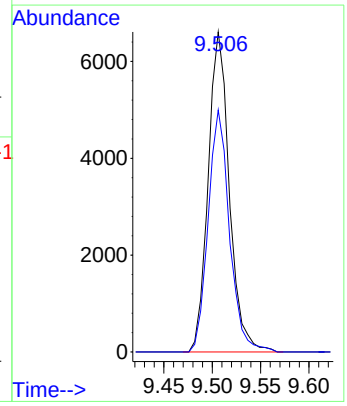


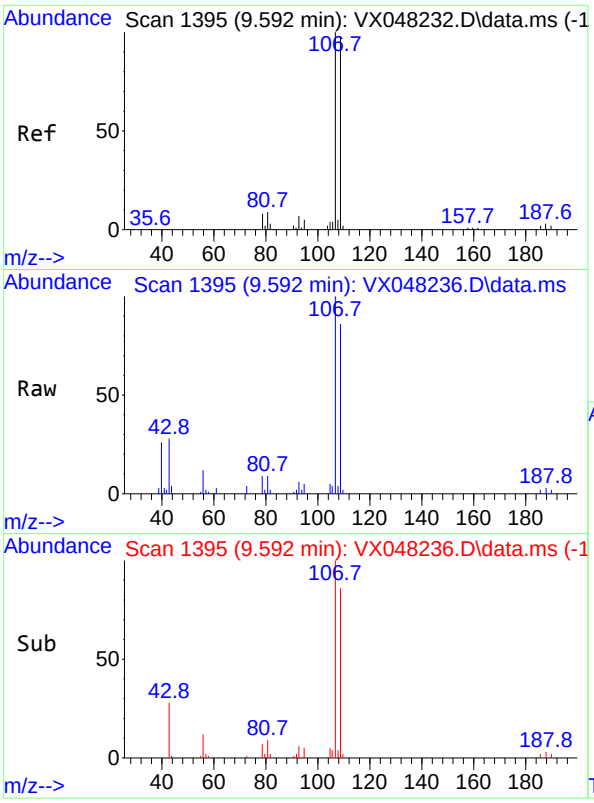




#60
Dibromochloromethane
Concen: 4.930 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:129 Resp: 10082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.3 | 38.6 | 115.7 |



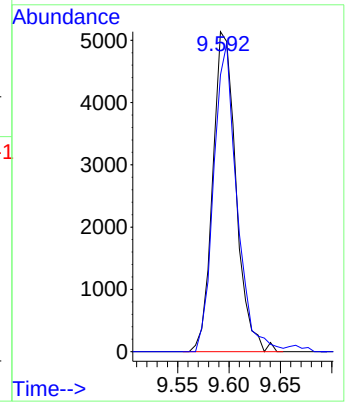


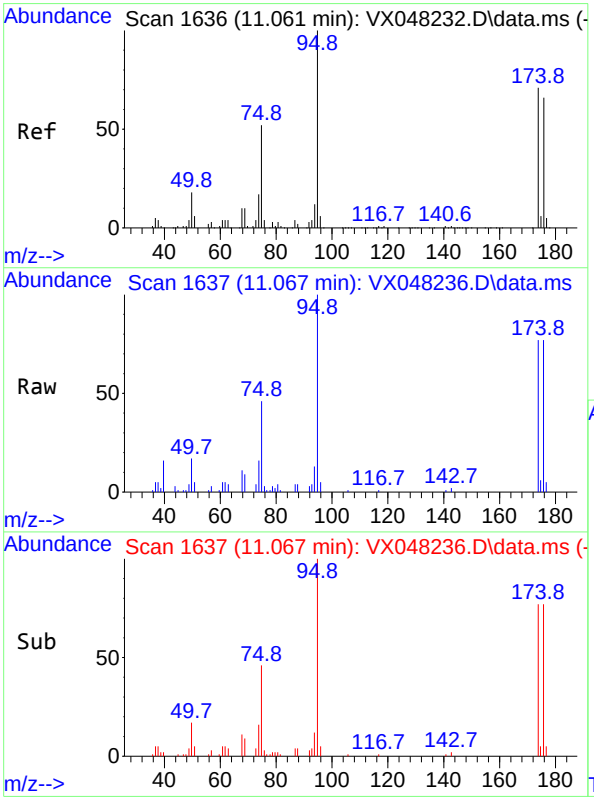

#61
1,2-Dibromoethane
Concen: 4.980 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:107 Resp: 8079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.3 | 77.0 | 115.4 |

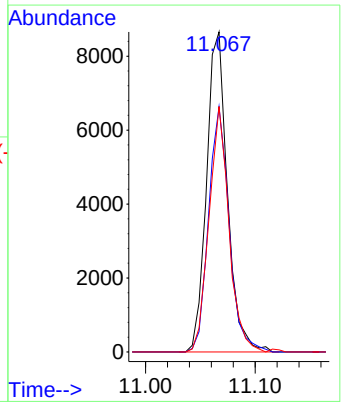


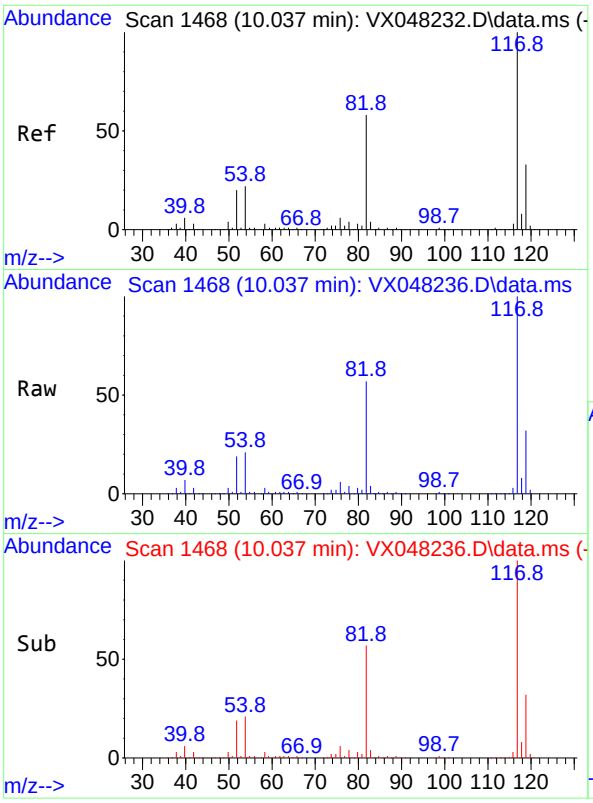




#62
4-Bromofluorobenzene
Concen: 5.492 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 95 Resp: 11429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.7 | 0.0 | 147.8 |
| 176 | 73.4 | 0.0 | 142.8 |



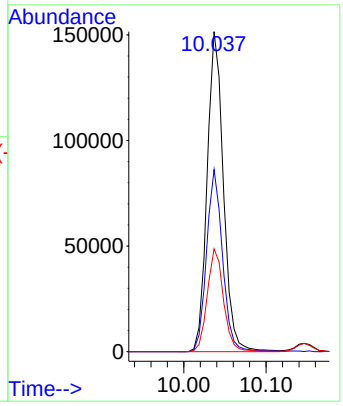


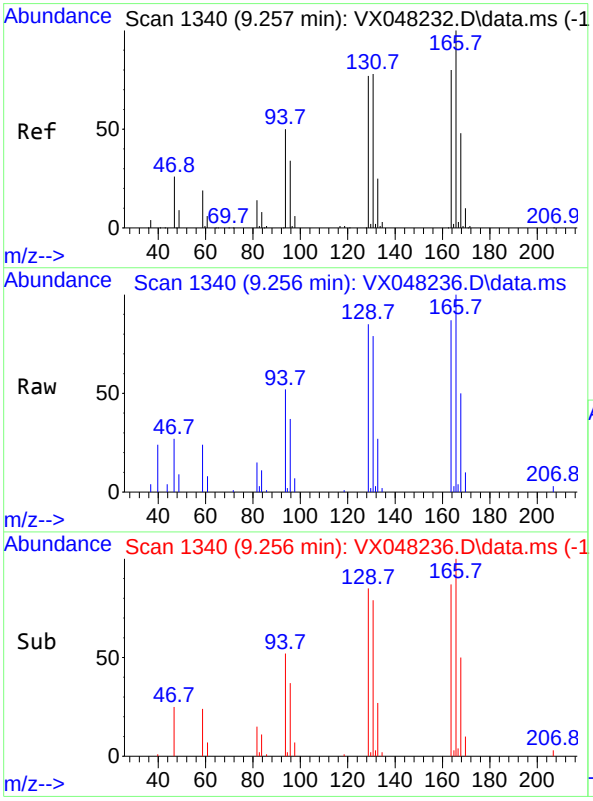

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:117 Resp: 208481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.9 | 46.5 | 69.7 |
| 119 | 32.2 | 25.9 | 38.9 |

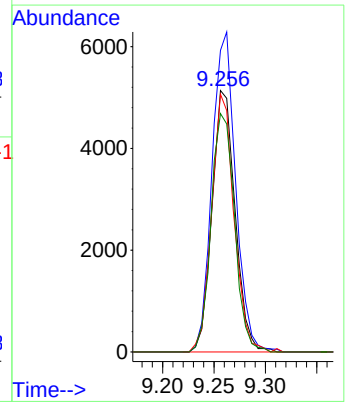


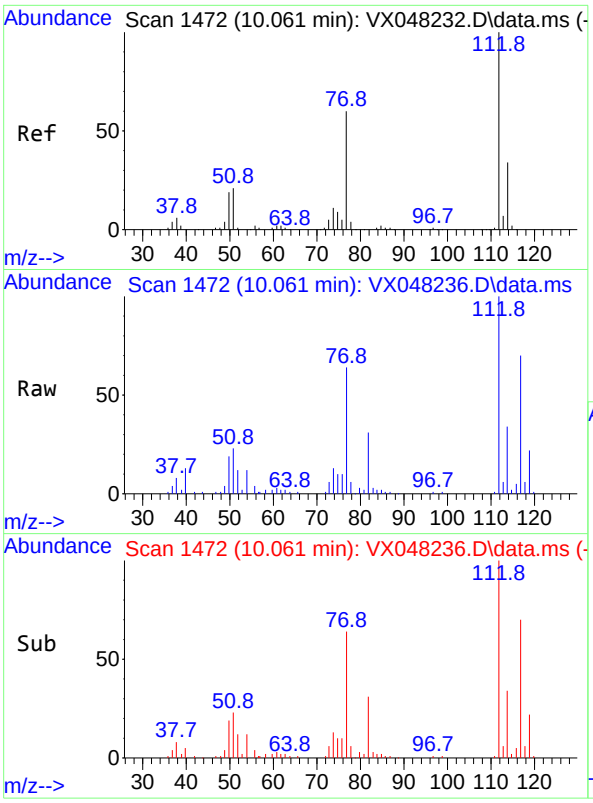




#64
Tetrachloroethene
Concen: 5.153 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:164 Resp: 8020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 115.3 | 104.5 | 156.7 |
| 129 | 98.6 | 81.8 | 122.6 |
| 131 | 91.2 | 77.0 | 115.6 |



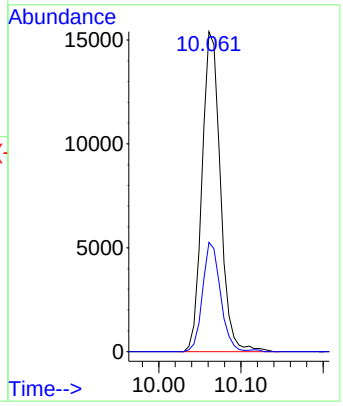


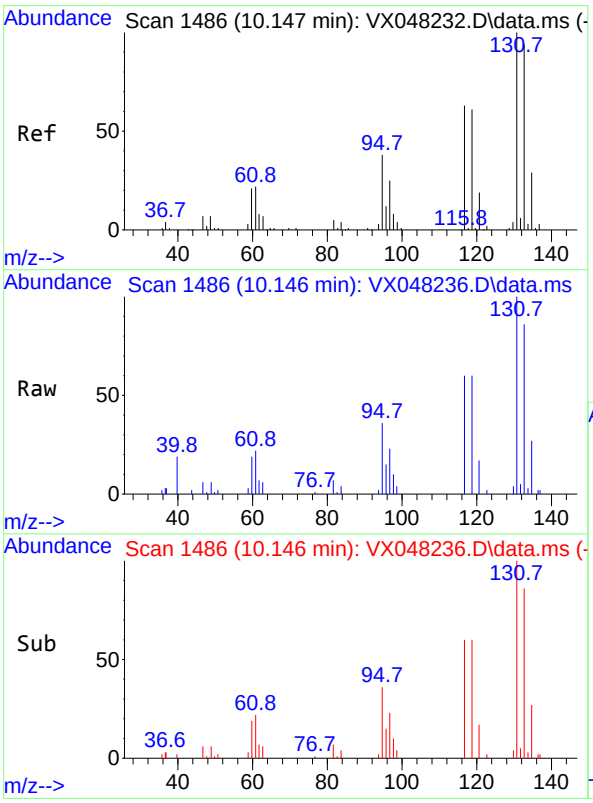

#65
Chlorobenzene
Concen: 5.090 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:112 Resp: 23873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 34.2 | 26.2 | 39.2 |

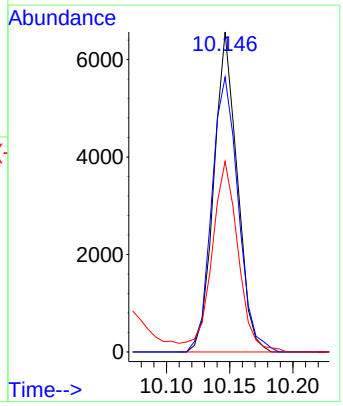


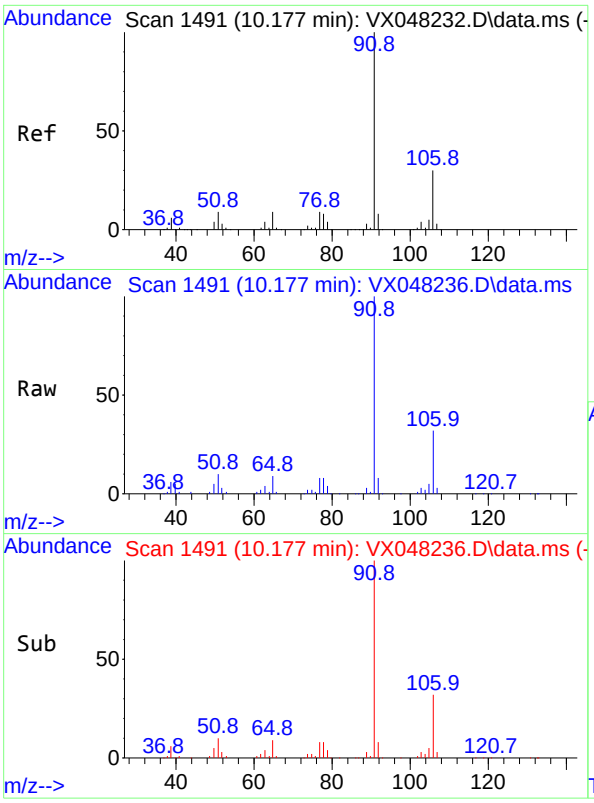




#66
1,1,1,2-Tetrachloroethane
Concen: 4.905 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:131 Resp: 8450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 97.1 | 47.6 | 142.8 |
| 119 | 66.7 | 32.5 | 97.5 |



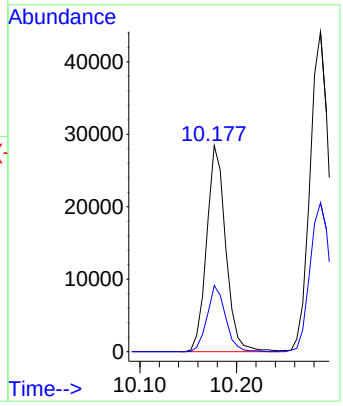


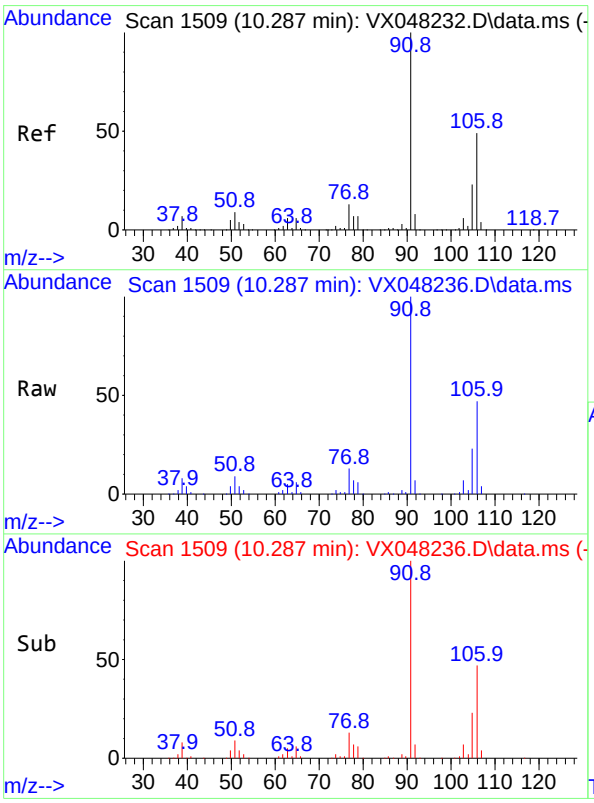

#67
Ethyl Benzene
Concen: 4.899 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 91 Resp: 39121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.1 | 23.8 | 35.6 |

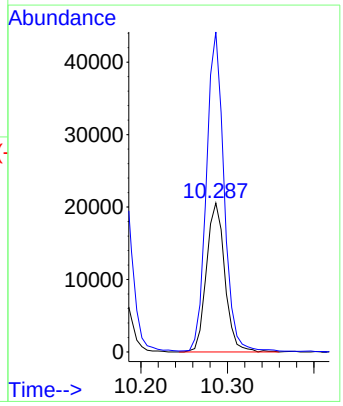


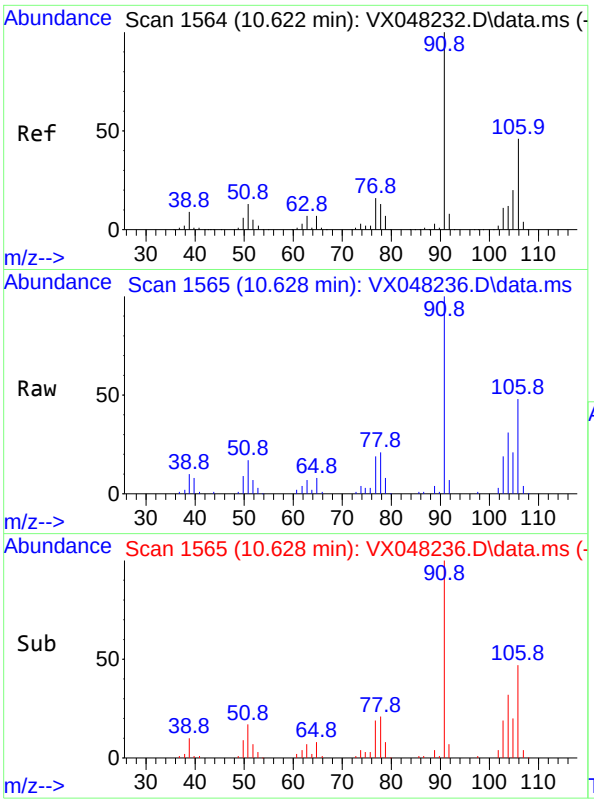




#68
m/p-Xylenes
Concen: 10.217 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:106 Resp: 30310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.7 | 167.9 | 251.9 |



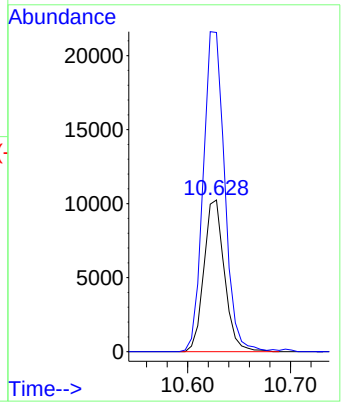


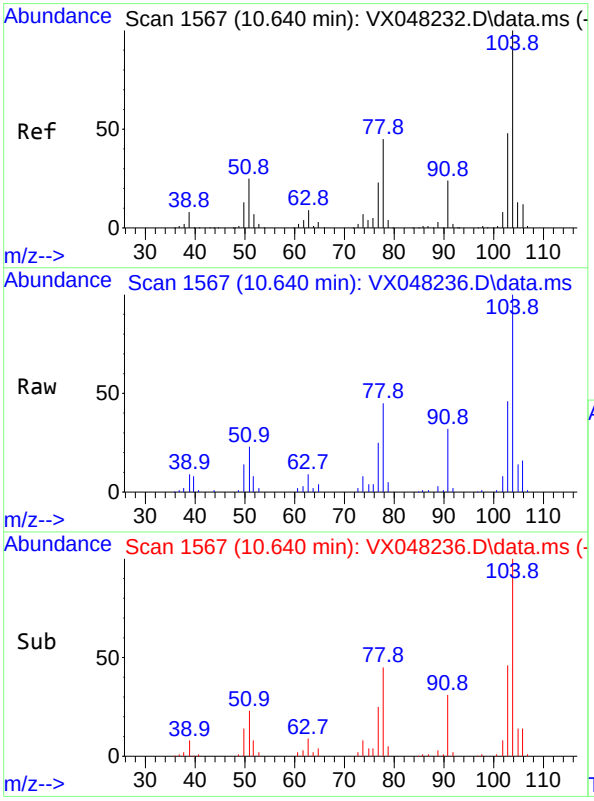

#69
o-Xylene
Concen: 4.979 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:106 Resp: 14262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.6 | 111.3 | 333.9 |

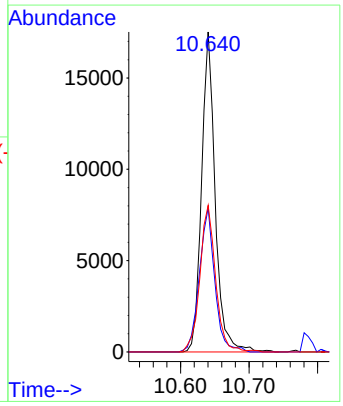


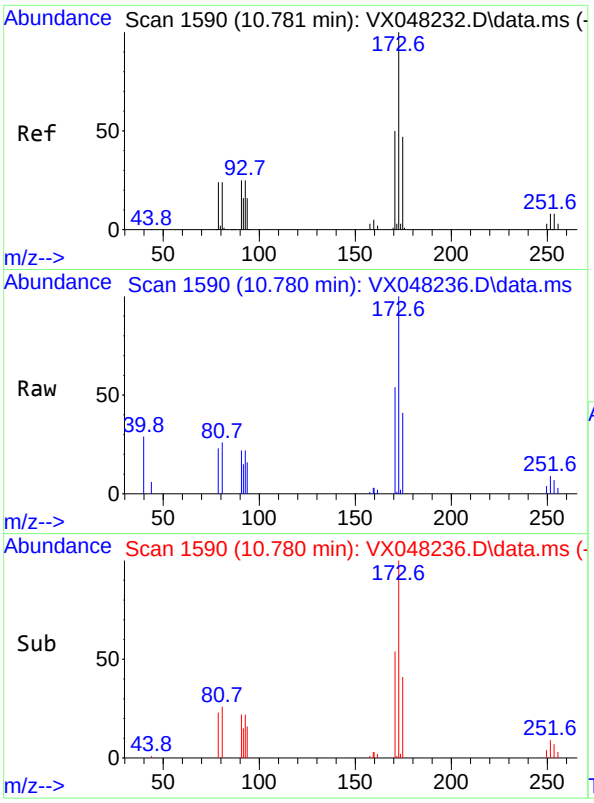




#70
Styrene
Concen: 4.980 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:104 Resp: 24289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.1 | 42.2 | 63.4 |
| 103 | 53.2 | 43.0 | 64.4 |



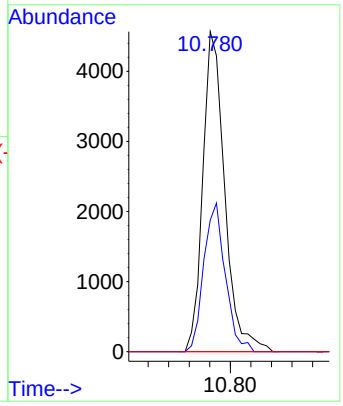


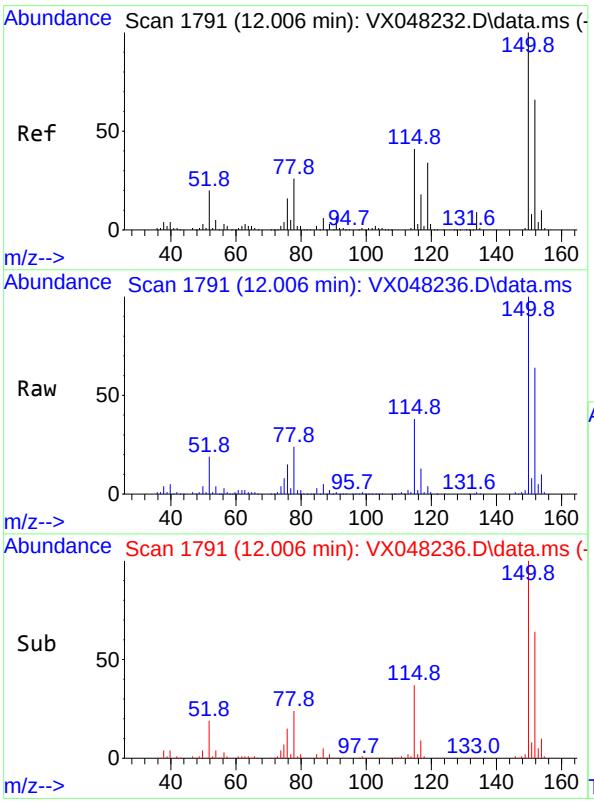

#71
Bromoform
Concen: 4.915 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:173 Resp: 6766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 45.6 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |

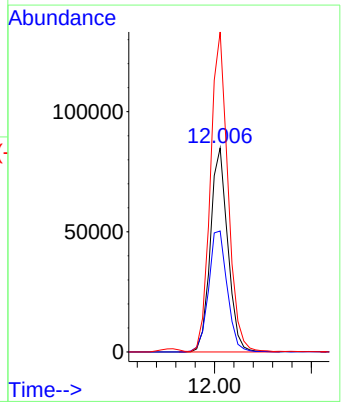


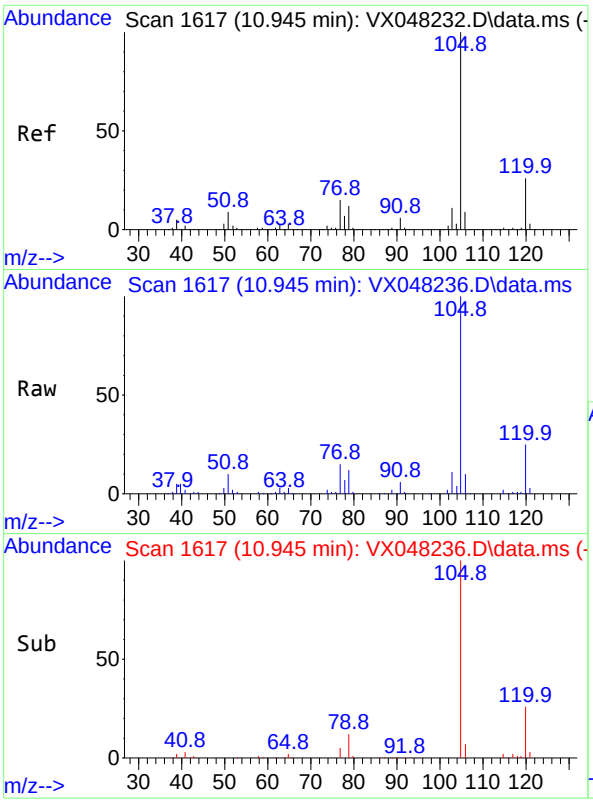




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:152 Resp: 105998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 63.9 | 43.1 | 129.4 |
| 150 | 157.2 | 0.0 | 353.0 |



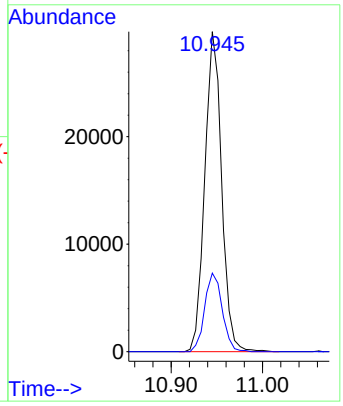


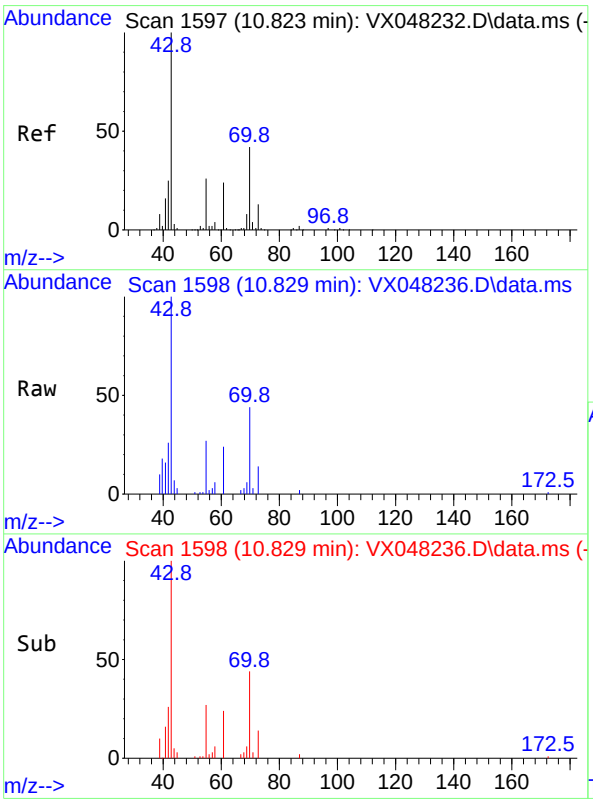

#73
Isopropylbenzene
Concen: 4.900 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:105 Resp: 37935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 13.0 | 38.9 |

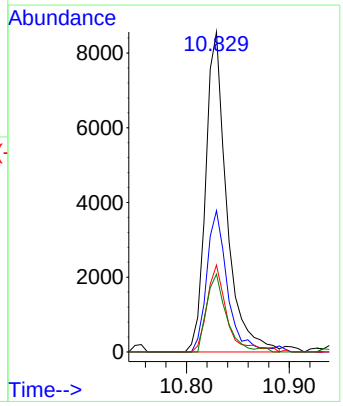


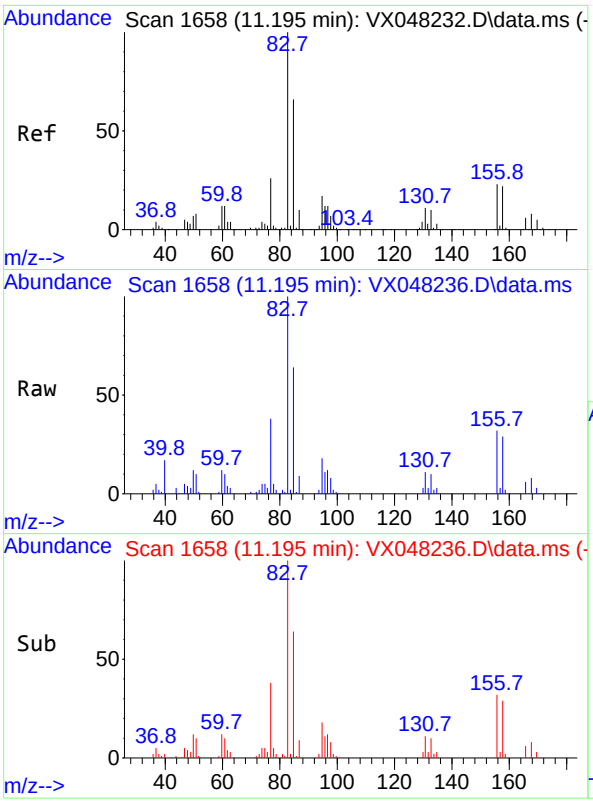




#74
N-amyl acetate
Concen: 4.438 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 43 Resp: 12188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 43.3 | 32.2 | 48.2 |
| 55 | 25.7 | 19.1 | 28.7 |
| 61 | 23.1 | 18.6 | 28.0 |



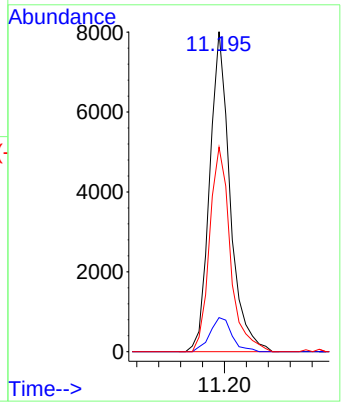


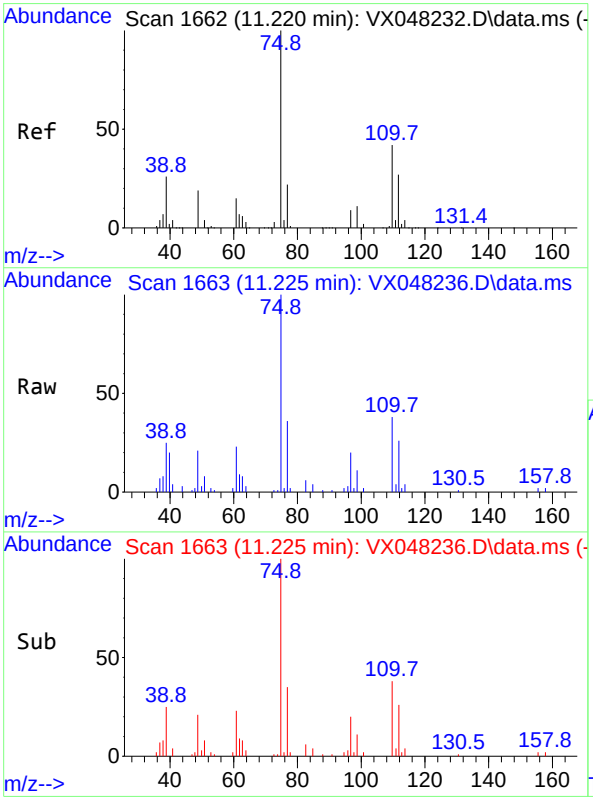

#75
1,1,2,2-Tetrachloroethane
Concen: 4.883 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 83 Resp: 10324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 11.5 | 4.8 | 14.4 |
| 85 | 65.0 | 31.9 | 95.7 |

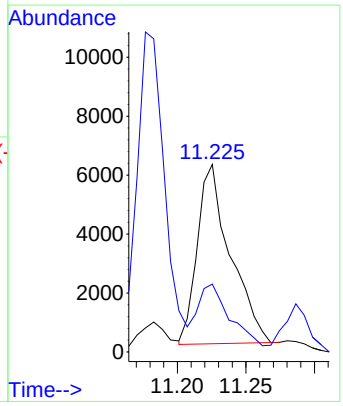


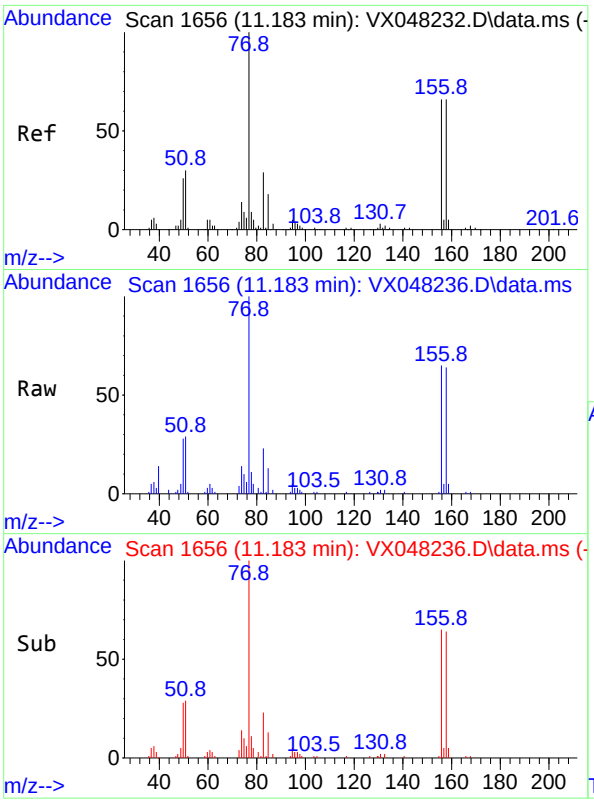




#76
1,2,3-Trichloropropane
Concen: 5.944 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 10217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.2 | 22.4 | 67.2 |



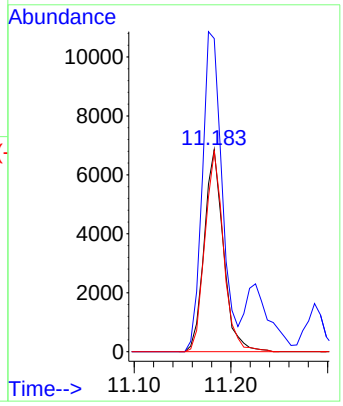


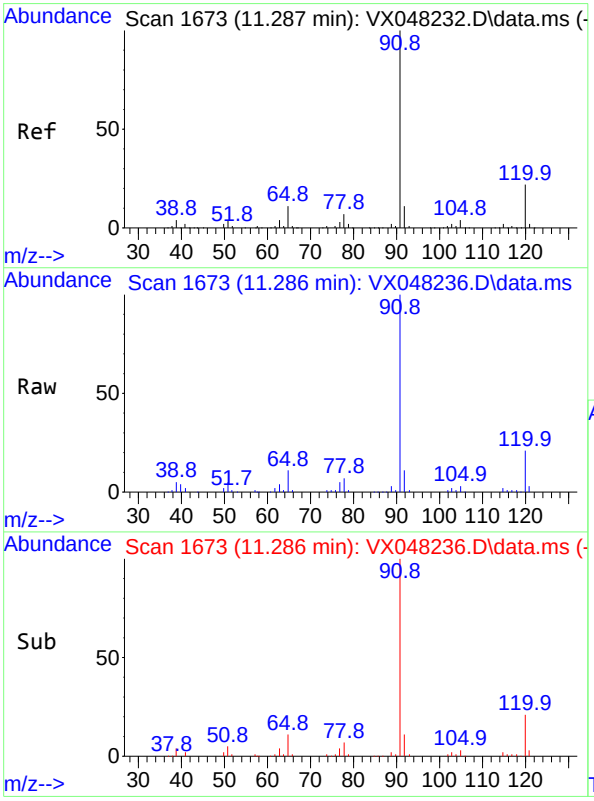

#77
Bromobenzene
Concen: 4.898 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:156 Resp: 9508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 162.1 | 87.0 | 261.0 |
| 158 | 96.5 | 47.8 | 143.4 |

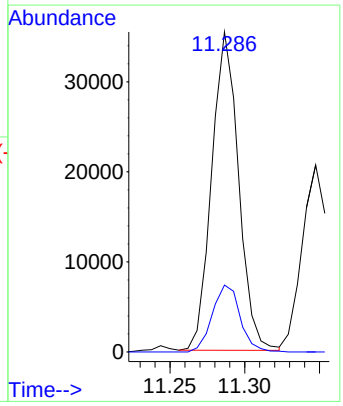


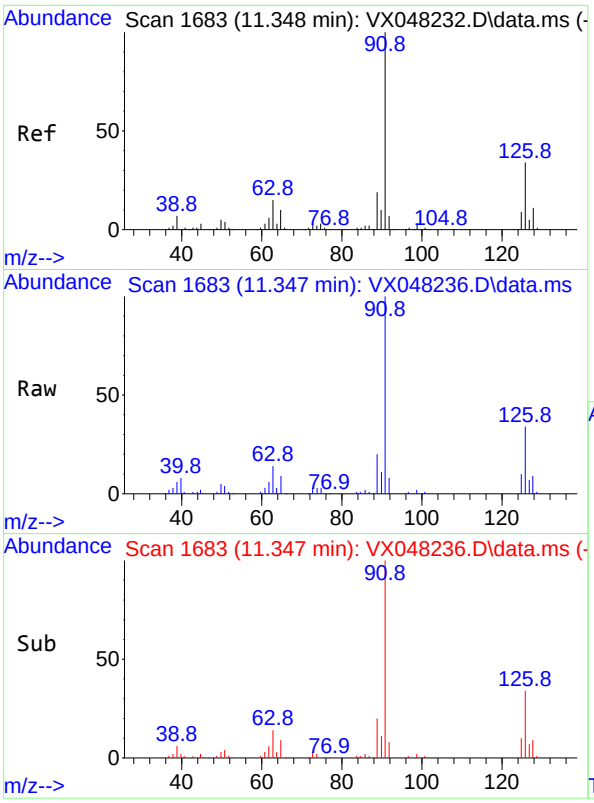




#78
n-propylbenzene
Concen: 4.930 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 91 Resp: 44189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.7 | 11.1 | 33.1 |



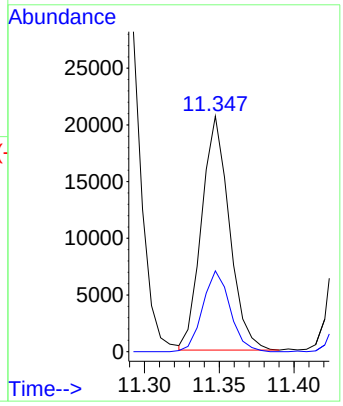


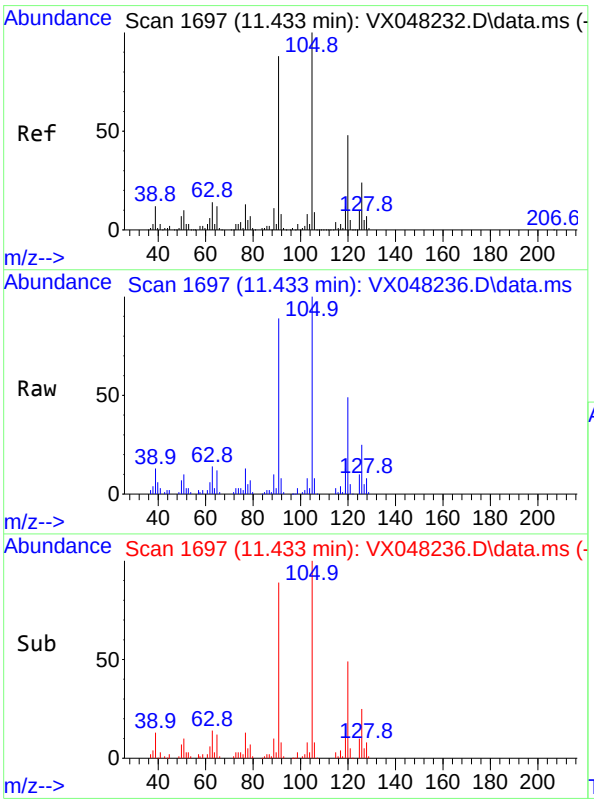

#79
2-Chlorotoluene
Concen: 4.899 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 91 Resp: 26627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.4 | 49.4 |

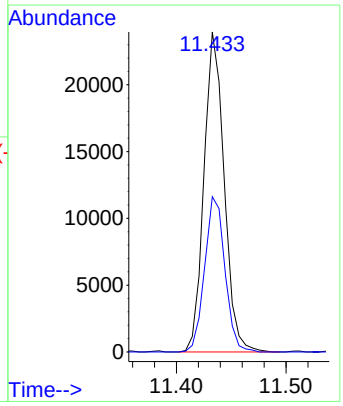


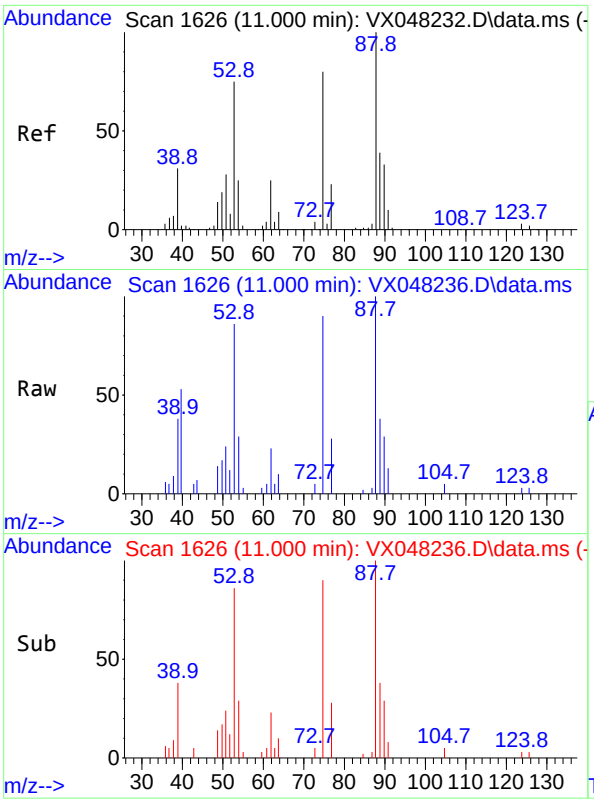




#80
1,3,5-Trimethylbenzene
Concen: 4.779 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:105 Resp: 30618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.8 | 24.0 | 72.0 |



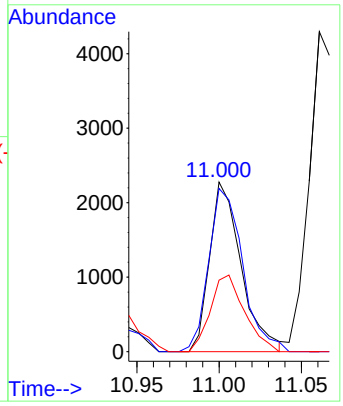


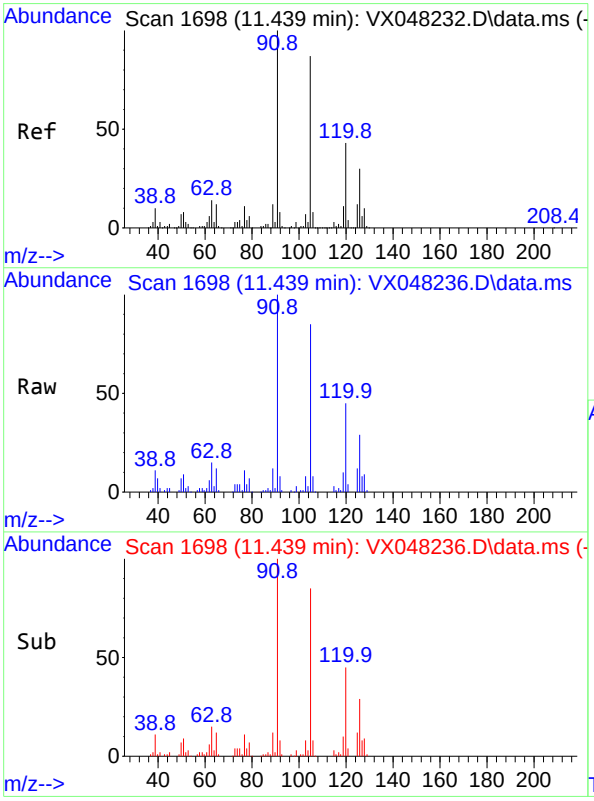

#81
trans-1,4-Dichloro-2-butene
Concen: 4.300 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 75 Resp: 3038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.8 | 79.5 | 119.3 |
| 89 | 49.0 | 36.8 | 55.2 |

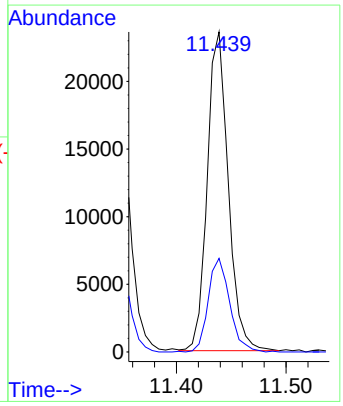


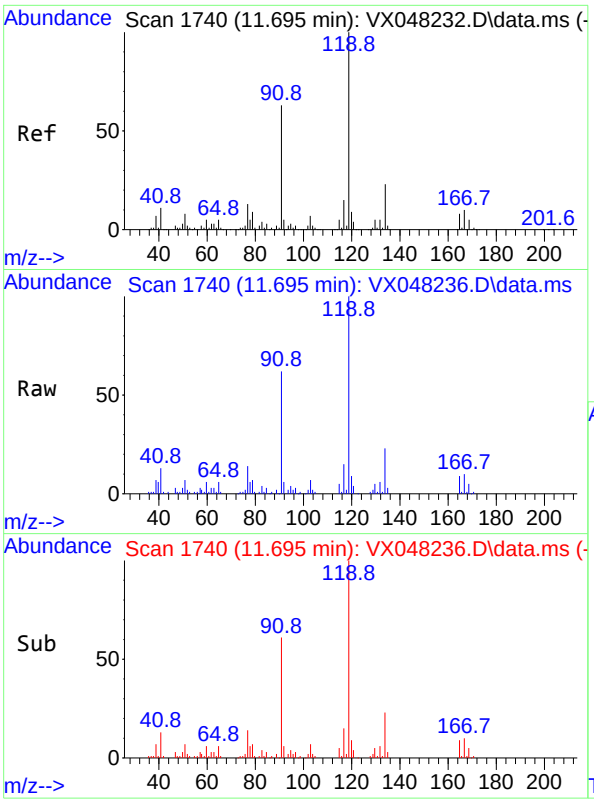




#82
4-Chlorotoluene
Concen: 4.860 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 91 Resp: 31357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.1 | 14.1 | 42.4 |



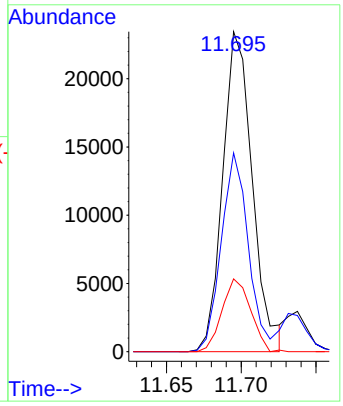


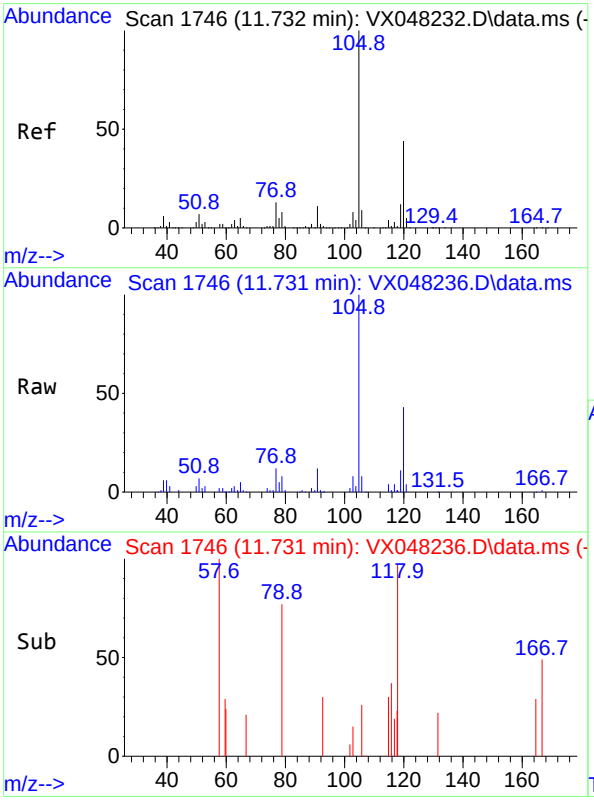

#83
tert-Butylbenzene
Concen: 4.906 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:119 Resp: 32297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 56.8 | 30.3 | 91.0 |
| 134 | 22.0 | 11.4 | 34.2 |

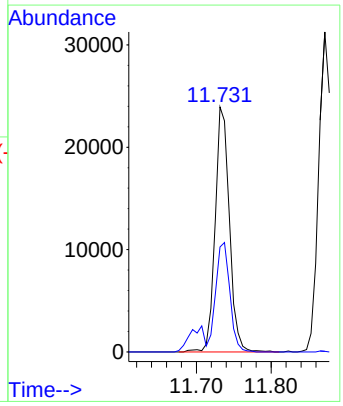


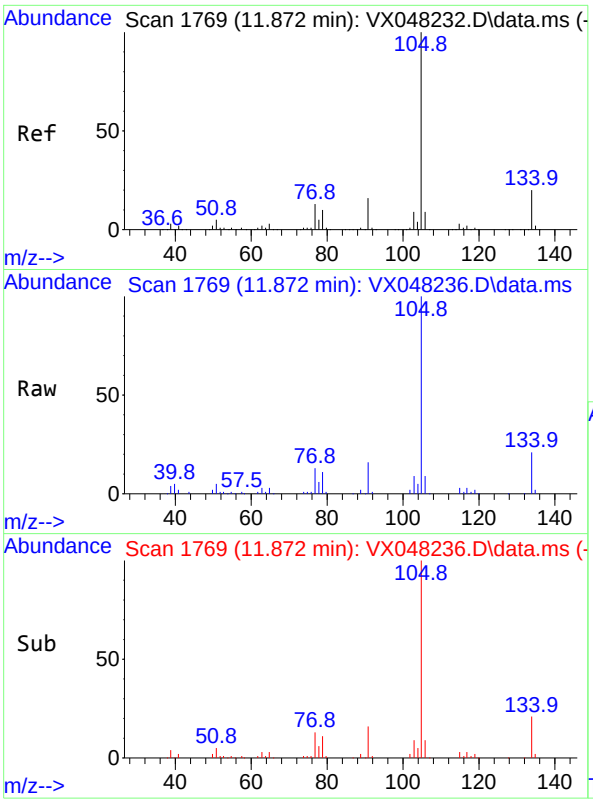




#84
1,2,4-Trimethylbenzene
Concen: 4.959 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:105 Resp: 31709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 22.1 | 66.5 |



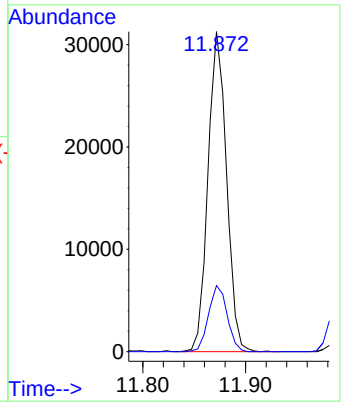


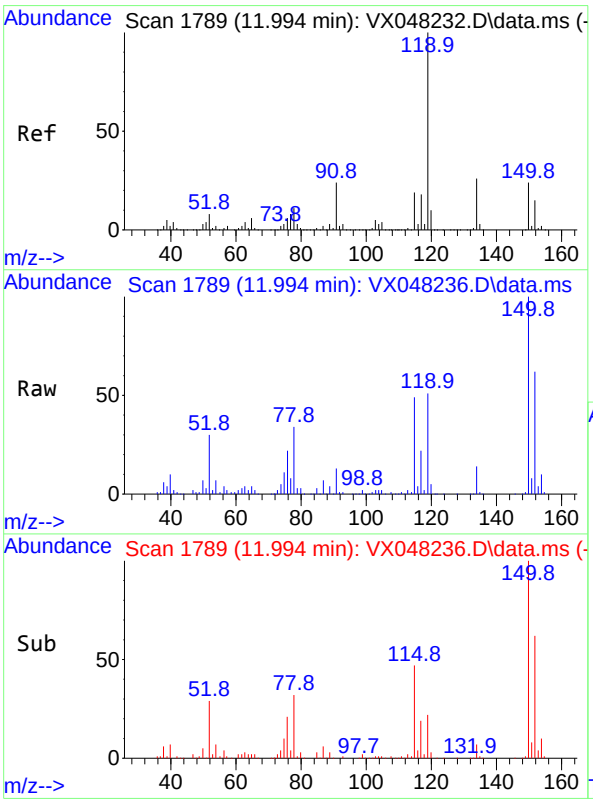

#85
sec-Butylbenzene
Concen: 4.939 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:105 Resp: 39113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.8 | 10.1 | 30.1 |

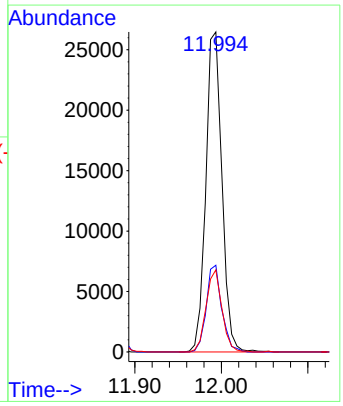


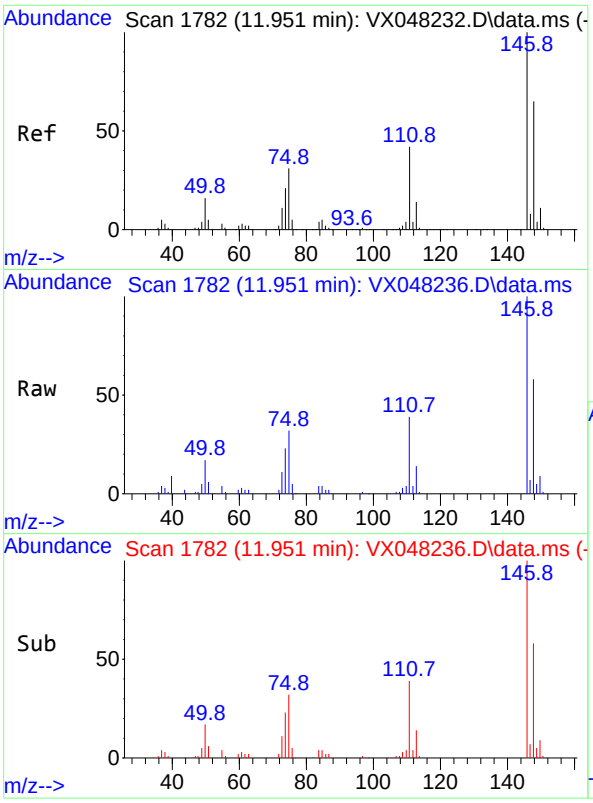




#86
p-Isopropyltoluene
Concen: 4.989 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:119 Resp: 34155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 13.0 | 39.0 |
| 91 | 25.3 | 12.1 | 36.3 |



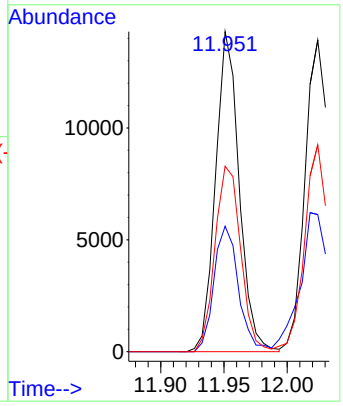


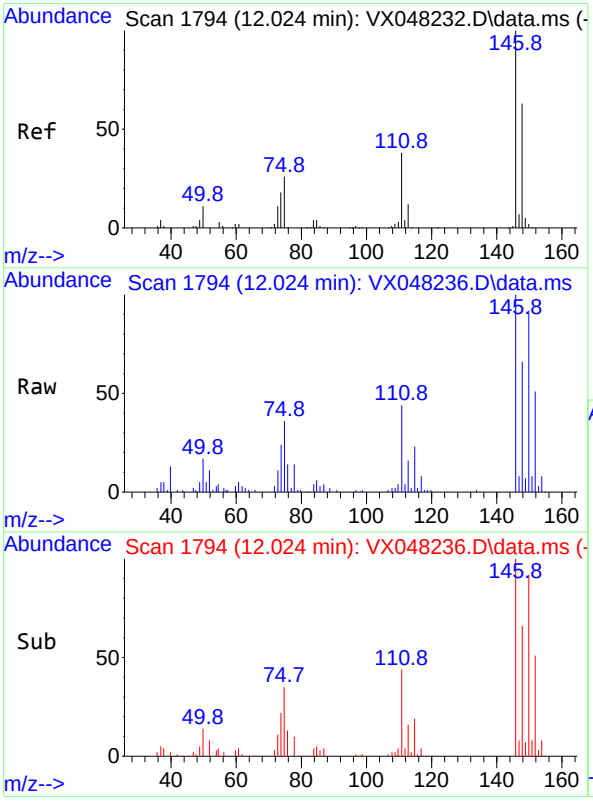

#87
1,3-Dichlorobenzene
Concen: 5.068 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:146 Resp: 18546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 20.4 | 61.2 |
| 148 | 63.1 | 31.9 | 95.9 |

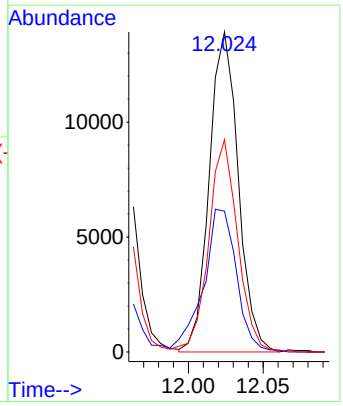


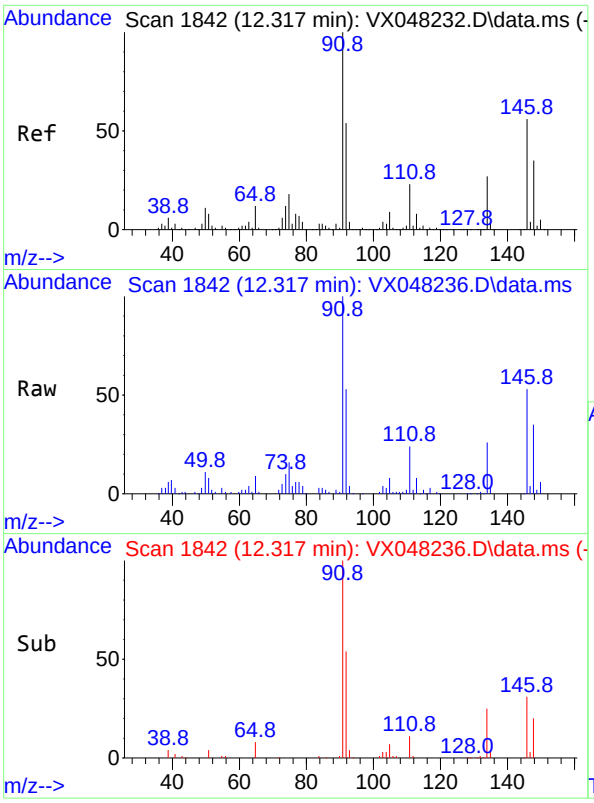




#88
1,4-Dichlorobenzene
Concen: 4.955 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:146 Resp: 18787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 50.9 | 20.1 | 60.2 |
| 148 | 66.5 | 31.8 | 95.3 |



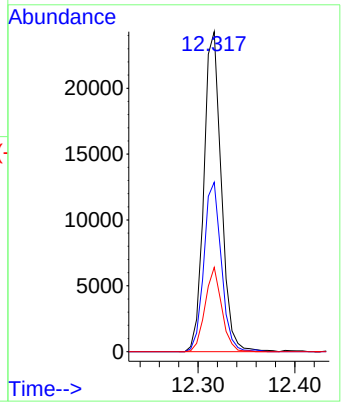


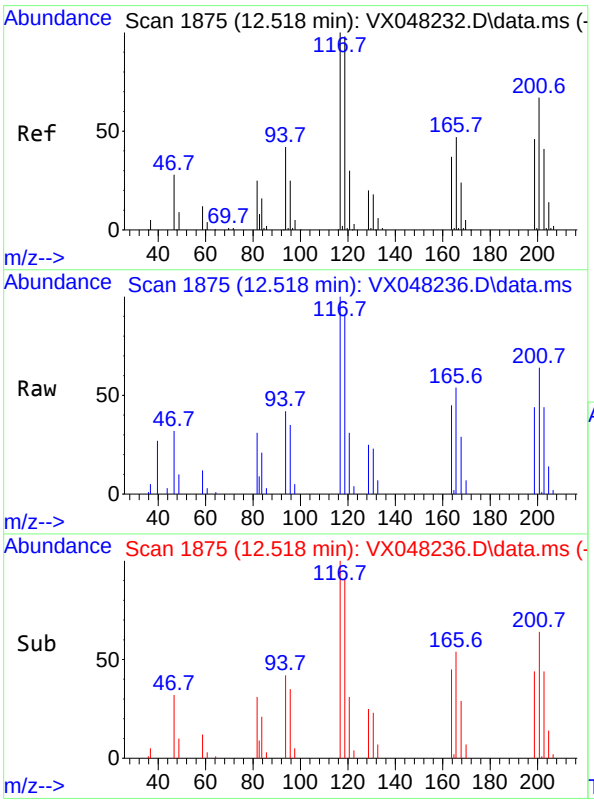

#89
n-Butylbenzene
Concen: 4.880 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion: 91 Resp: 30409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.9 | 80.6 |
| 134 | 25.2 | 12.7 | 38.1 |

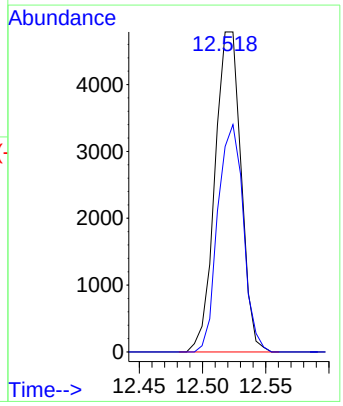


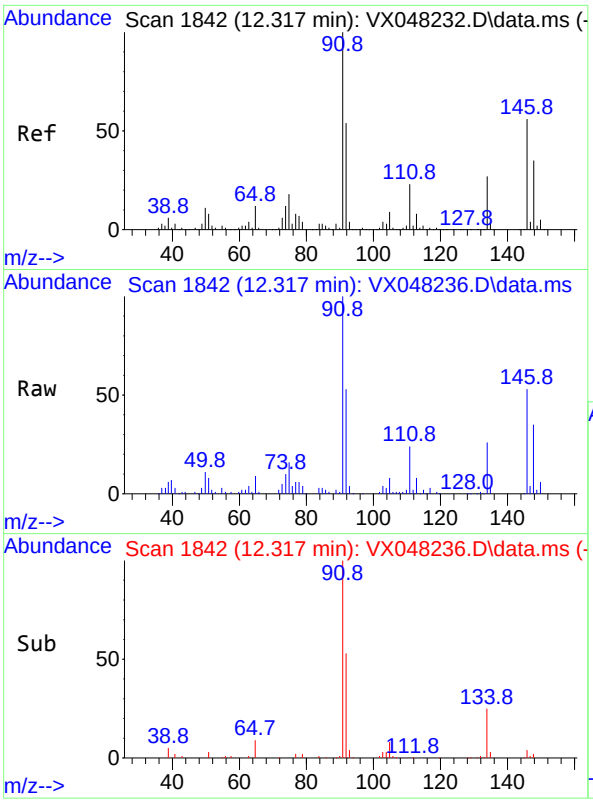




#90
Hexachloroethane
Concen: 5.077 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:117 Resp: 6863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 69.4 | 34.1 | 102.2 |



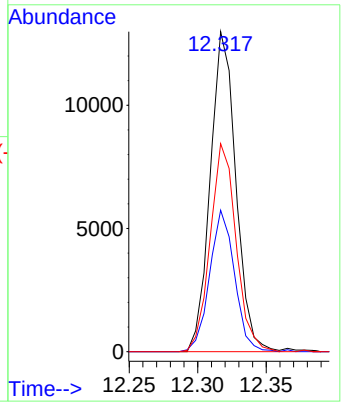


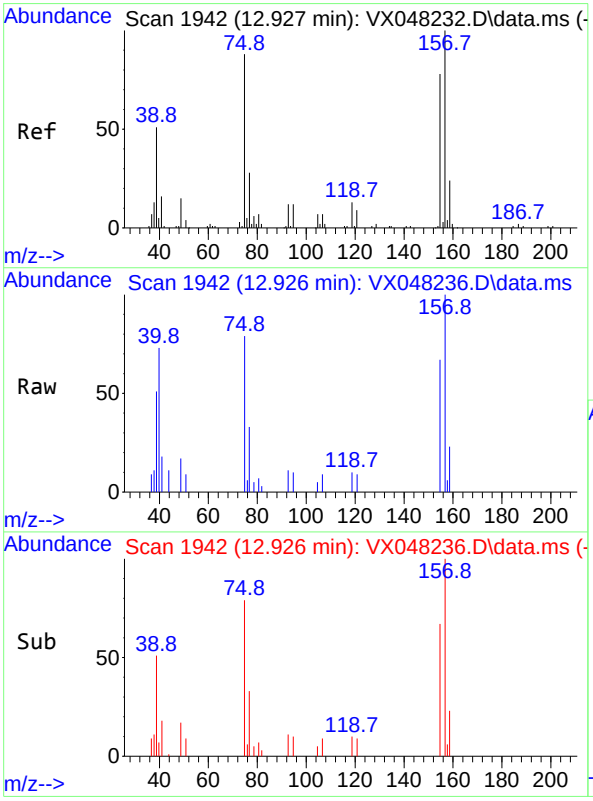

#91
1,2-Dichlorobenzene
Concen: 4.904 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:146 Resp: 16849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.9 | 65.5 |
| 148 | 65.9 | 31.9 | 95.5 |

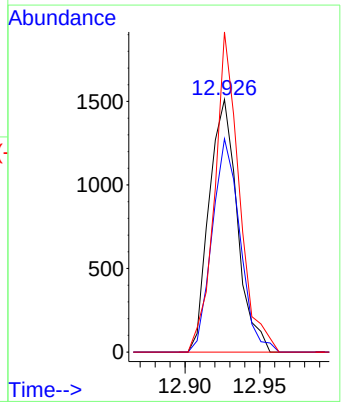


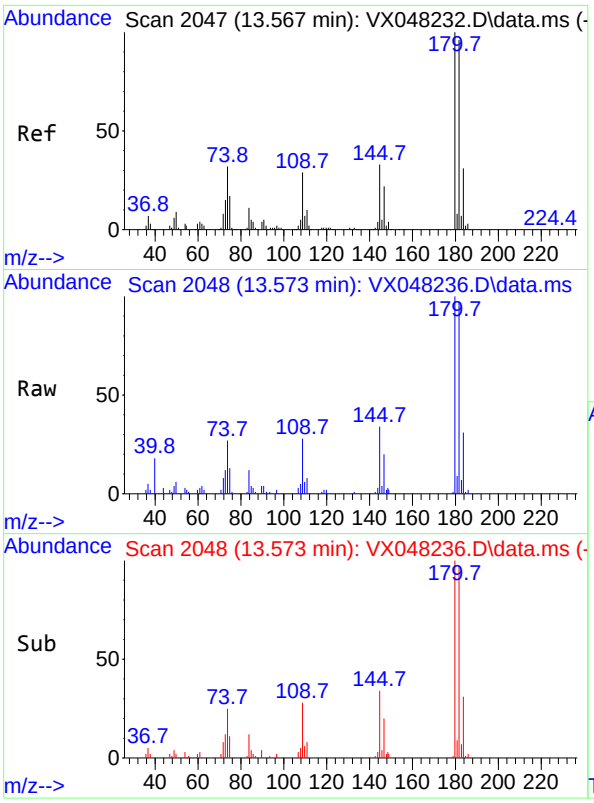




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.623 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 1984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.2 | 42.8 | 128.4 |
| 157 | 110.7 | 54.2 | 162.6 |



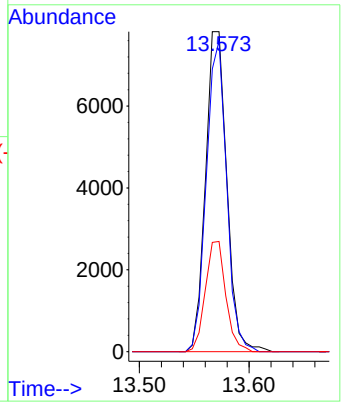


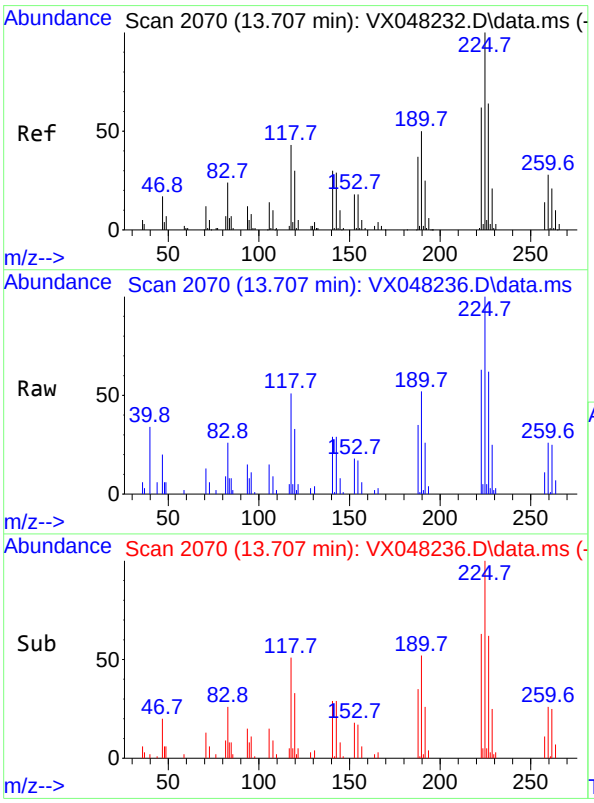

#93
1,2,4-Trichlorobenzene
Concen: 4.535 ug/l
RT: 13.573 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:180 Resp: 10538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.5 | 47.3 | 142.0 |
| 145 | 33.2 | 16.3 | 48.9 |

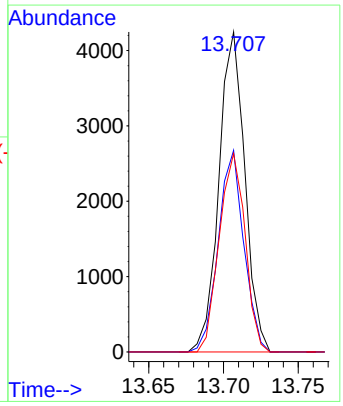


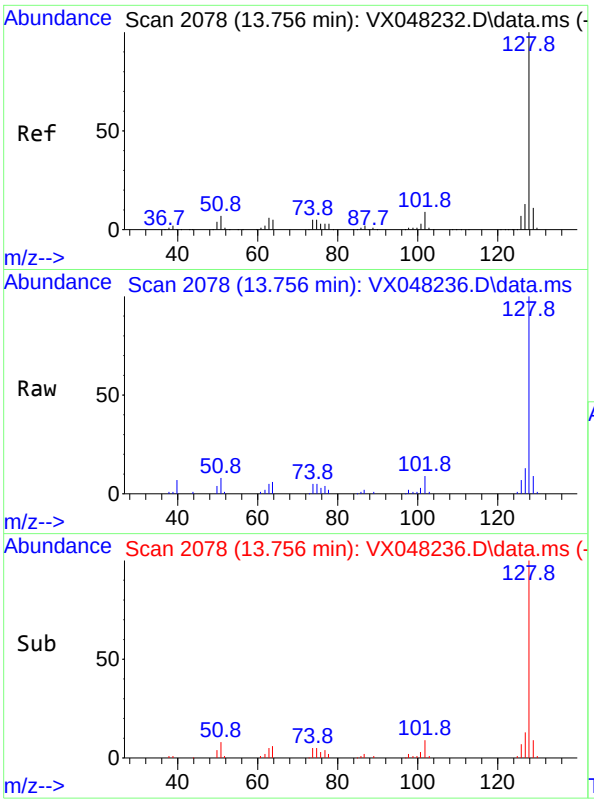




#94
Hexachlorobutadiene
Concen: 5.931 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:225 Resp: 5113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 32.6 | 97.7 |
| 227 | 62.0 | 32.5 | 97.4 |



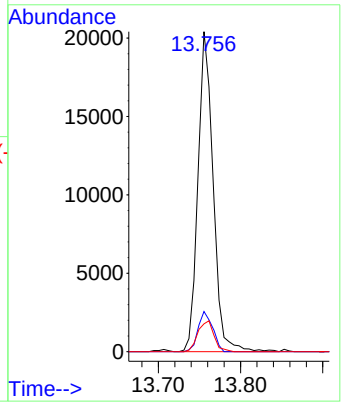


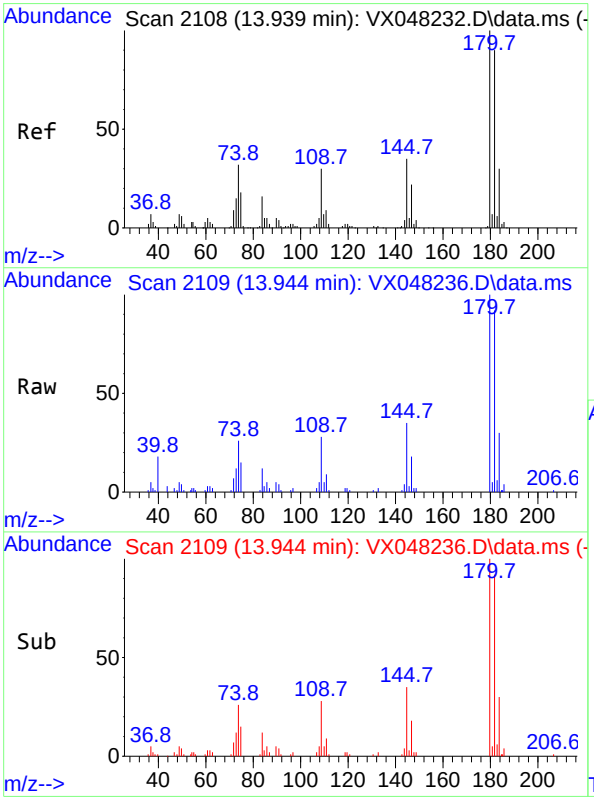

#95
Naphthalene
Concen: 4.259 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

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

Tgt Ion:128 Resp: 26218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.0 | 10.2 | 15.4 |
| 129 | 10.2 | 8.6 | 12.8 |

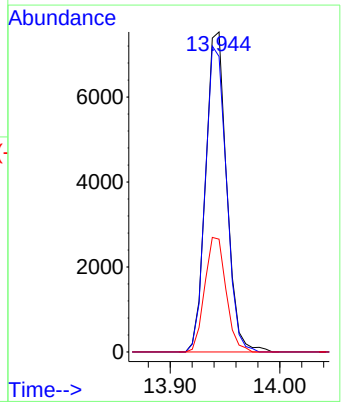



#96
1,2,3-Trichlorobenzene
Concen: 4.709 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:180 Resp: 10040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 46.6 | 139.7 |
| 145 | 36.3 | 16.9 | 50.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Quant Time: Oct 25 03:38:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.531 | 168 | 144715 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.739 | 114 | 229650 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 201397 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.000 | 152 | 99108 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 92700 | 45.687 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 91.380% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 76746 | 48.951 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.900% | | | |
| 50) Toluene-d8 | 8.628 | 98 | 265898 | 48.386 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 96.780% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 97828 | 46.795 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 93.580% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 76365 | 51.331 | ug/l | 99 |
| 3) Chloromethane | 1.301 | 50 | 74279 | 53.491 | ug/l | 99 |
| 4) Vinyl Chloride | 1.380 | 62 | 71290 | 55.441 | ug/l | 99 |
| 5) Bromomethane | 1.611 | 94 | 47863 | 54.847 | ug/l | 96 |
| 6) Chloroethane | 1.691 | 64 | 42556 | 56.320 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 128754 | 52.209 | ug/l | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 37292 | 53.742 | ug/l | 89 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 83688 | 53.589 | ug/l | 96 |
| 10) Methyl Iodide | 2.453 | 142 | 94222 | 47.994 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.934 | 59 | 45064 | 223.693 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.319 | 96 | 79070 | 52.043 | ug/l | 92 |
| 13) Acrolein | 2.233 | 56 | 51257 | 249.473 | ug/l | 98 |
| 14) Allyl chloride | 2.660 | 41 | 128896 | 51.099 | ug/l | 97 |
| 15) Acrylonitrile | 3.050 | 53 | 182260 | 250.900 | ug/l | 100 |
| 16) Acetone | 2.373 | 43 | 152988 | 219.789 | ug/l | 96 |
| 17) Carbon Disulfide | 2.514 | 76 | 233630 | 48.792 | ug/l | 99 |
| 18) Methyl Acetate | 2.697 | 43 | 71506 | 49.190 | ug/l | 94 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 254812 | 49.162 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 86610 | 51.066 | ug/l | 92 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 85000 | 50.932 | ug/l | 96 |
| 22) Diisopropyl ether | 3.745 | 45 | 259934 | 51.665 | ug/l | 99 |
| 23) Vinyl Acetate | 3.709 | 43 | 1045584 | 260.168 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 150557 | 49.490 | ug/l | 99 |
| 25) 2-Butanone | 4.532 | 43 | 209999 | 238.354 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.458 | 77 | 132433 | 48.230 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.471 | 96 | 98066 | 50.350 | ug/l | 96 |
| 28) Bromochloromethane | 4.879 | 49 | 58764 | 46.587 | ug/l | 87 |
| 29) Tetrahydrofuran | 4.977 | 42 | 127995 | 242.572 | ug/l | 95 |
| 30) Chloroform | 5.074 | 83 | 157397 | 48.427 | ug/l | 99 |
| 31) Cyclohexane | 5.458 | 56 | 132594 | 52.646 | ug/l | 92 |
| 32) 1,1,1-Trichloroethane | 5.361 | 97 | 144706 | 48.309 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.672 | 75 | 109957 | 49.344 | ug/l | 100 |
| 37) Ethyl Acetate | 4.690 | 43 | 88074 | 47.684 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.659 | 117 | 132590 | 48.228 | ug/l | 99 |
| 39) Methylcyclohexane | 7.360 | 83 | 138611 | 52.670 | ug/l | 94 |
| 40) Benzene | 6.019 | 78 | 325041 | 50.241 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Quant Time: Oct 25 03:38:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.891 | 41 | 48846 | 50.358 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.068 | 62 | 116893 | 48.963 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.318 | 43 | 151140 | 49.816 | ug/l | | 95 |
| 44) Trichloroethene | 7.104 | 130 | 86410 | 50.582 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 78439 | 50.994 | ug/l | | 98 |
| 46) Dibromomethane | 7.562 | 93 | 58616 | 48.913 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.799 | 83 | 125388 | 48.459 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.671 | 41 | 75812 | 49.519 | ug/l | | 94 |
| 49) 1,4-Dioxane | 7.635 | 88 | 20230 | 1000.197 | ug/l | | 90 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 428393 | 244.897 | ug/l | | 95 |
| 52) Toluene | 8.702 | 92 | 205867 | 50.088 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.958 | 75 | 124683 | 50.004 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 134360 | 49.944 | ug/l | | 93 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 75808 | 49.597 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.098 | 69 | 111702 | 49.964 | ug/l | | 94 |
| 57) 1,3-Dichloropropane | 9.287 | 76 | 128519 | 49.226 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.220 | 63 | 290992 | 242.124 | ug/l | | 96 |
| 59) 2-Hexanone | 9.409 | 43 | 300183 | 246.102 | ug/l | | 96 |
| 60) Dibromochloromethane | 9.500 | 129 | 97643 | 47.530 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 80363 | 49.319 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.256 | 164 | 73198 | 48.686 | ug/l | | 95 |
| 65) Chlorobenzene | 10.061 | 112 | 226953 | 50.095 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.140 | 131 | 81561 | 49.014 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 391830 | 50.798 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.281 | 106 | 293516 | 102.416 | ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 139515 | 50.424 | ug/l | | 99 |
| 70) Styrene | 10.634 | 104 | 243341 | 51.651 | ug/l | | 100 |
| 71) Bromoform | 10.781 | 173 | 64170 | 48.250 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 373948 | 51.658 | ug/l | | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 131979 | 51.399 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 98715 | 49.936 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 111265 | 69.229 | ug/l | | 82 |
| 77) Bromobenzene | 11.177 | 156 | 91000 | 50.135 | ug/l | | 94 |
| 78) n-propylbenzene | 11.287 | 91 | 435662 | 51.980 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.341 | 91 | 257936 | 50.760 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 305027 | 50.918 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 33027 | 49.995 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 304670 | 50.507 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.695 | 119 | 309524 | 50.288 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 308529 | 51.607 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 379368 | 51.230 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.988 | 119 | 324425 | 50.686 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 165027 | 48.229 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 168102 | 47.423 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.311 | 91 | 289706 | 49.728 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 61223 | 48.437 | ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 157812 | 49.123 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 19691 | 49.072 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 101983 | 46.941 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 39299 | 48.274 | ug/l | | 99 |
| 95) Naphthalene | 13.756 | 128 | 289882 | 50.362 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 96139 | 48.223 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Quant Time: Oct 25 03:38:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

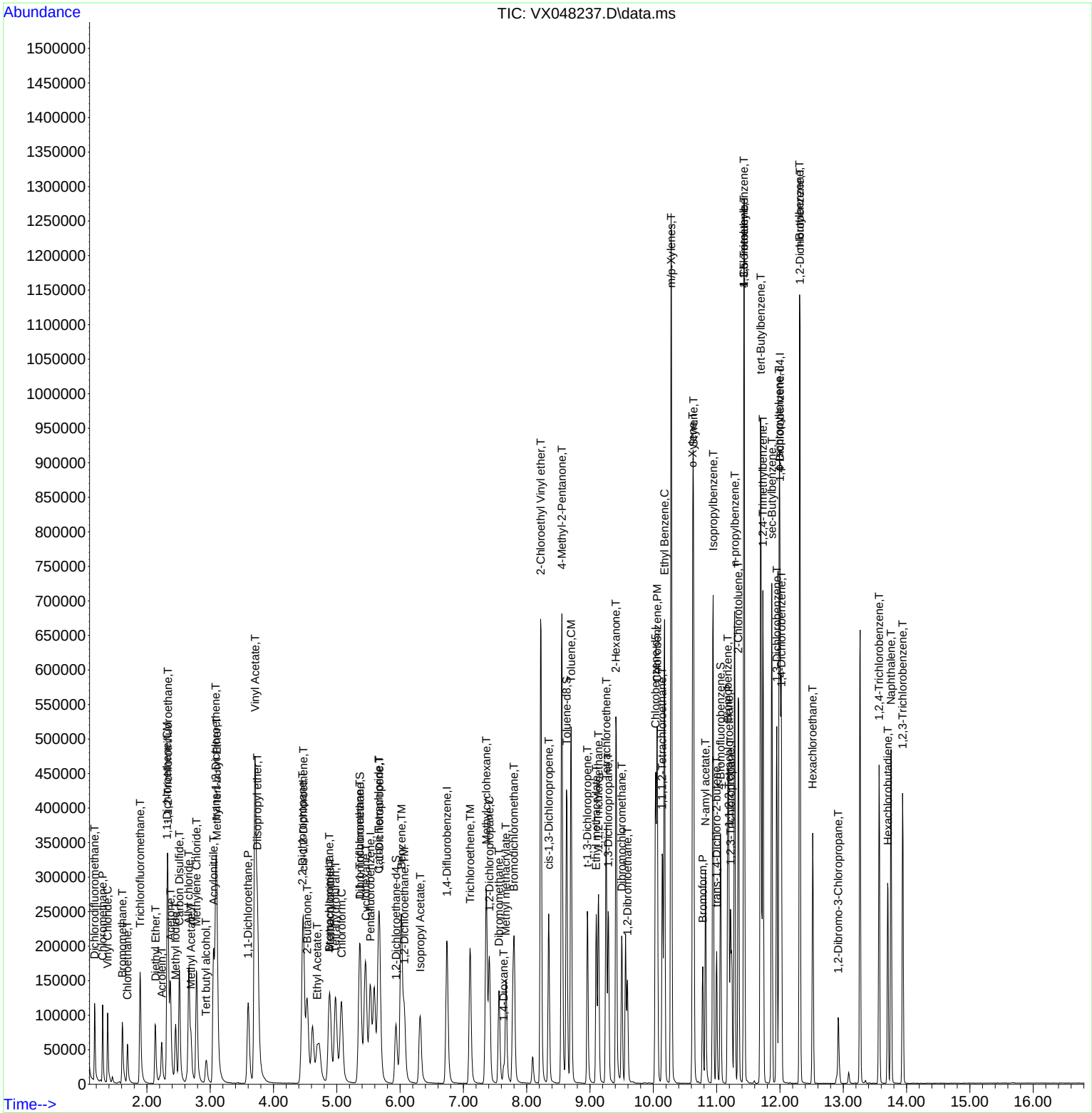
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

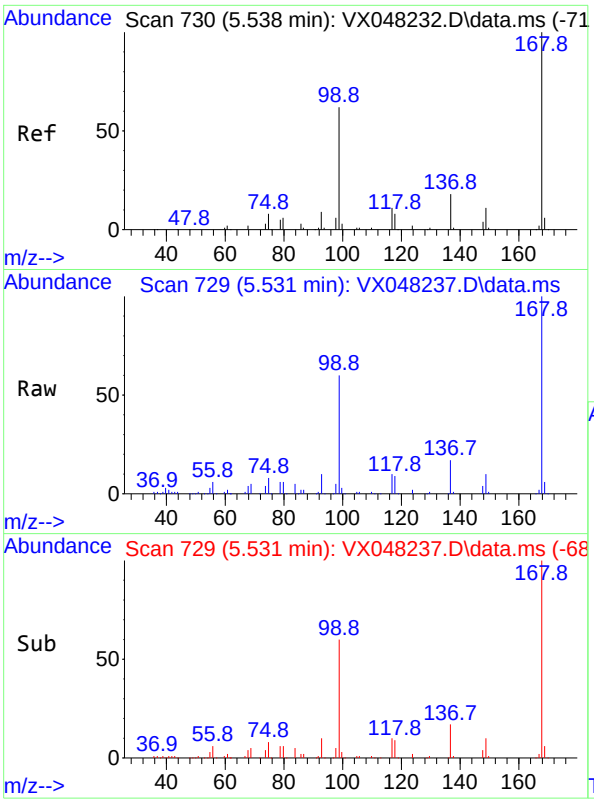
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Quant Time: Oct 25 03:38:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



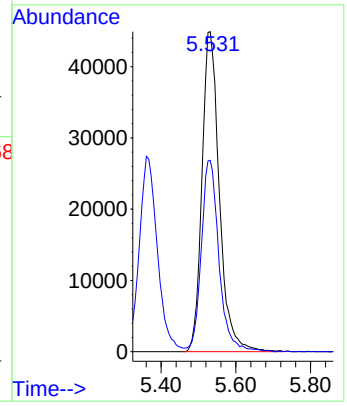


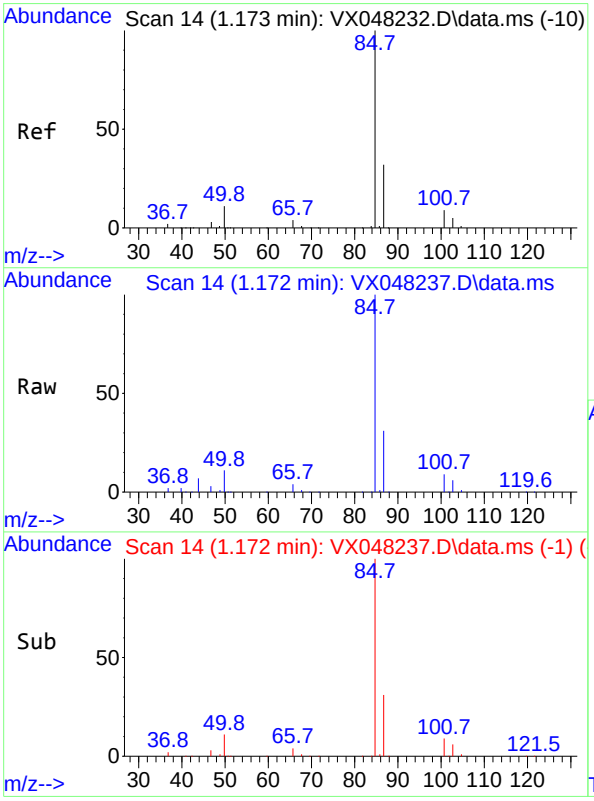

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:168 Resp: 144715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.7 | 46.4 | 69.6 |

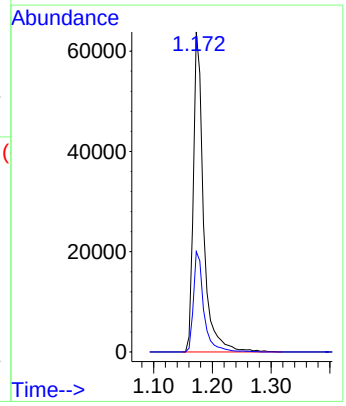


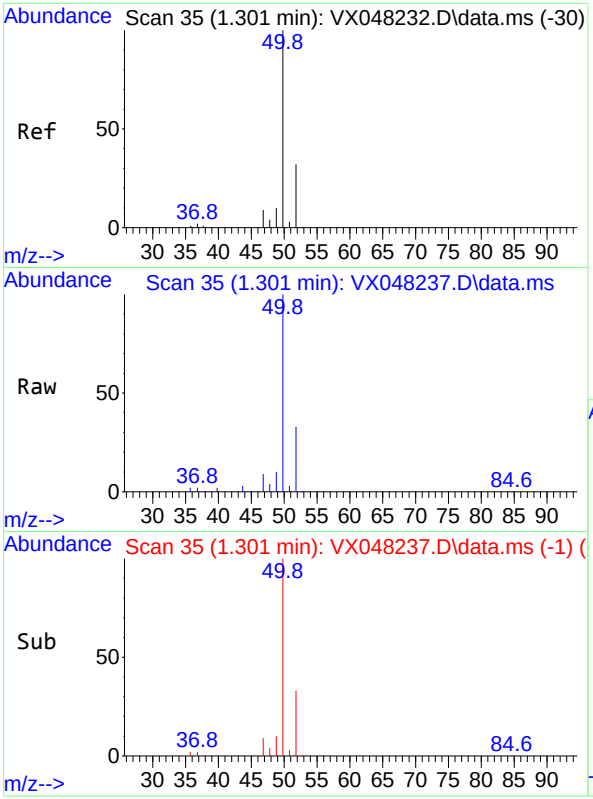




#2
Dichlorodifluoromethane
Concen: 51.331 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 85 Resp: 76365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.4 | 15.3 | 45.9 |



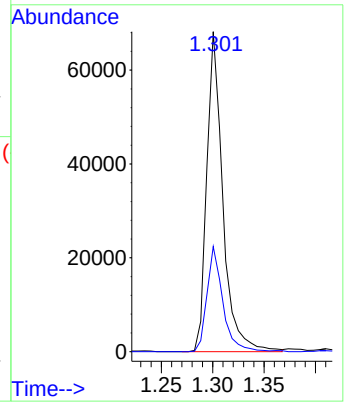


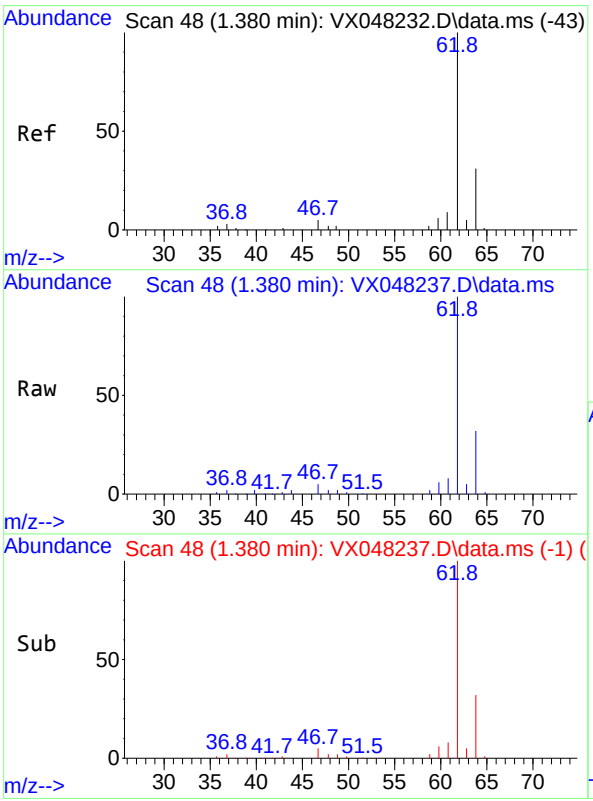

#3
Chloromethane
Concen: 53.491 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 50 Resp: 74279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.9 | 25.9 | 38.9 |

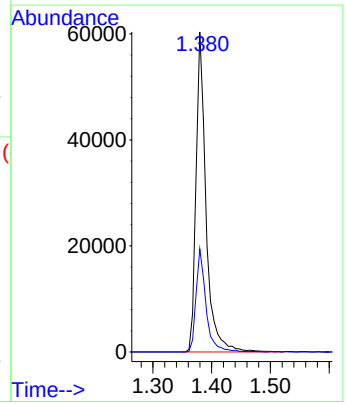


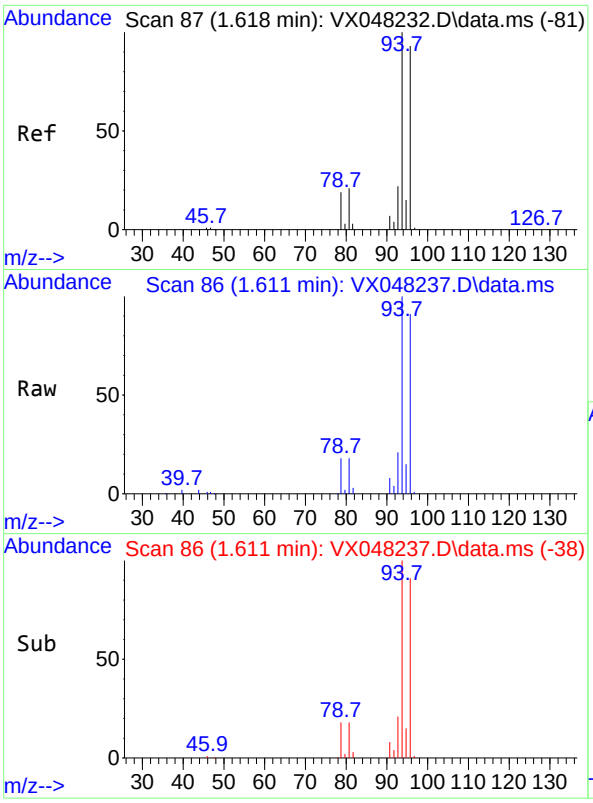




#4
Vinyl Chloride
Concen: 55.441 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 62 Resp: 71290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.2 | 25.1 | 37.7 |



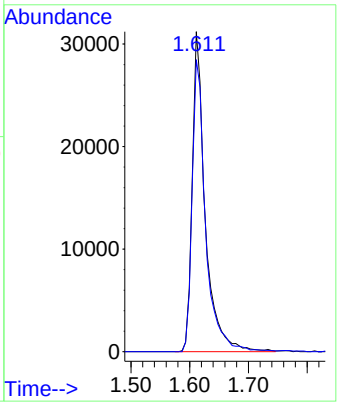


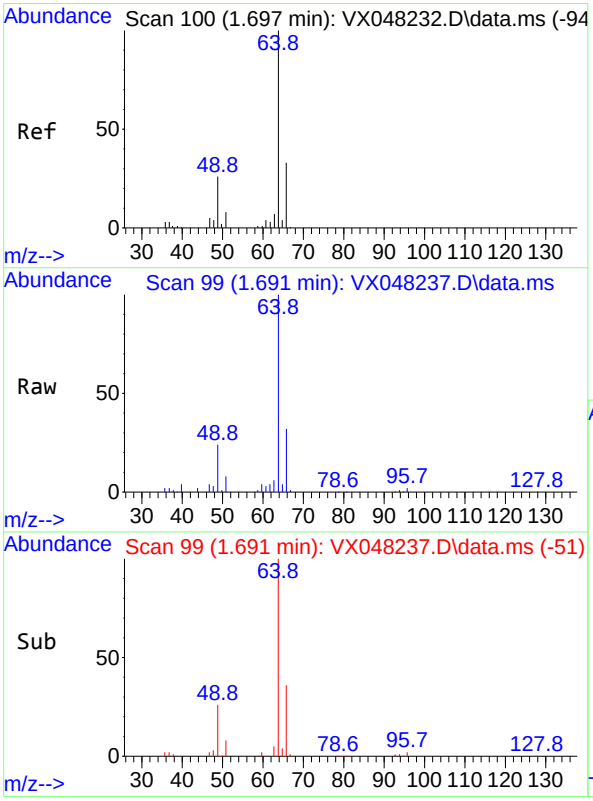

#5
Bromomethane
Concen: 54.847 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 94 Resp: 47863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.2 | 76.0 | 114.0 |

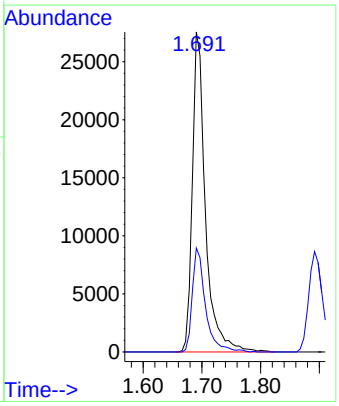


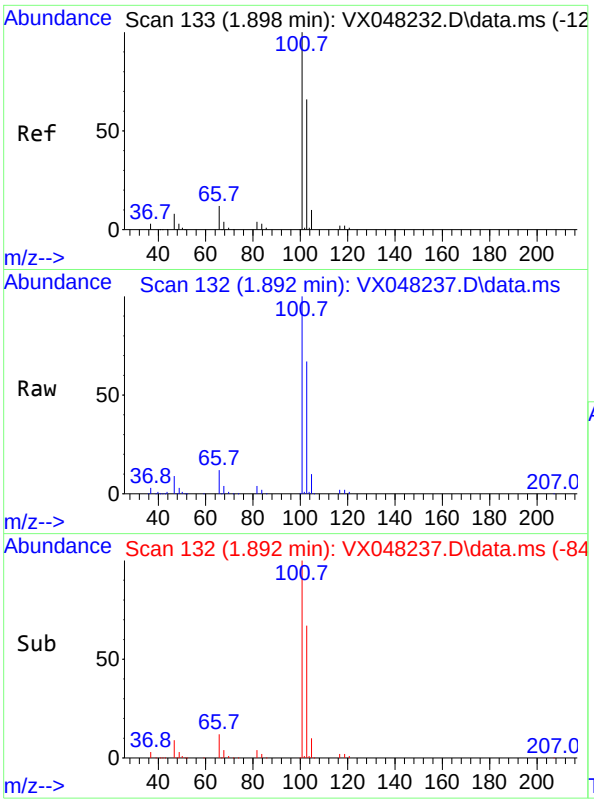




#6
Chloroethane
Concen: 56.320 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 64 Resp: 42556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.5 | 23.9 | 35.9 |



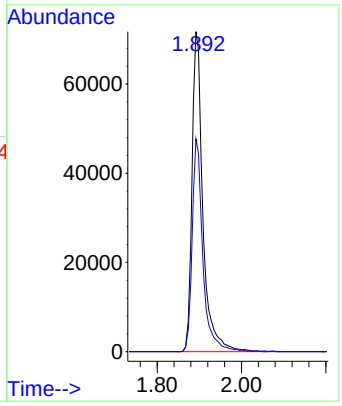


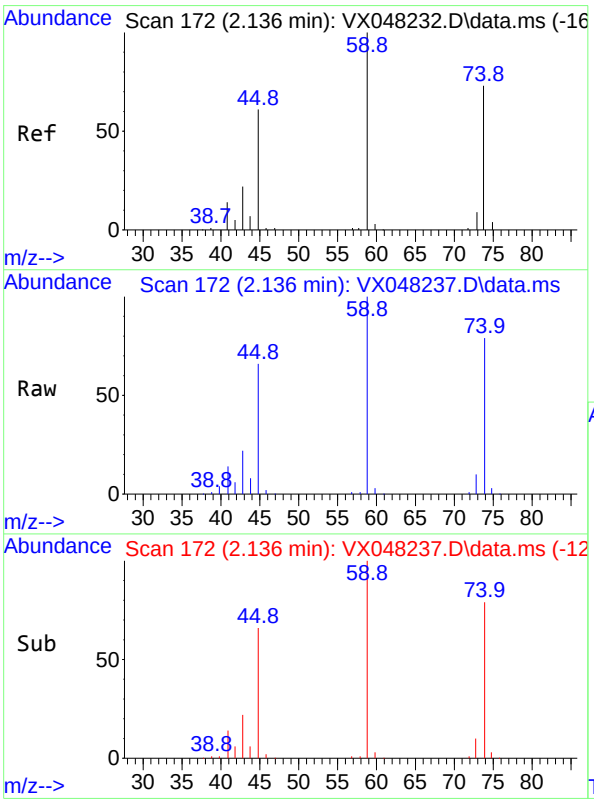

#7
Trichlorofluoromethane
Concen: 52.209 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:101 Resp: 128754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.5 | 51.6 | 77.4 |

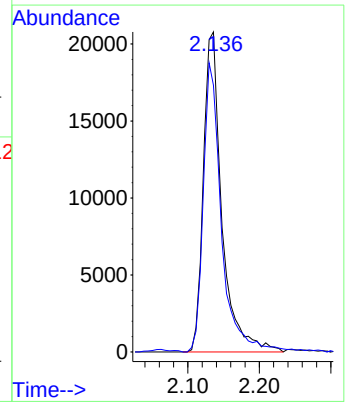


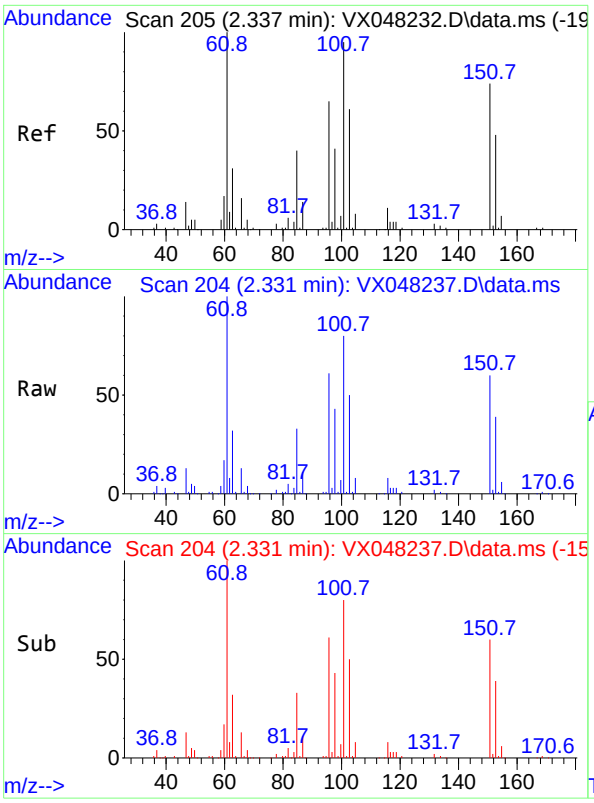




#8
Diethyl Ether
Concen: 53.742 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 74 Resp: 37292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 89.3 | 50.0 | 149.8 |



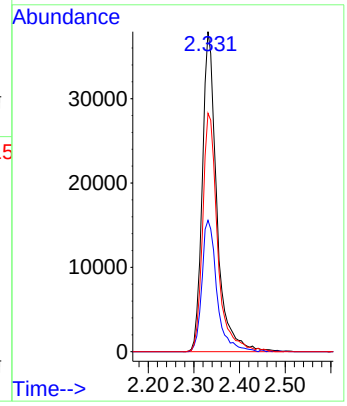


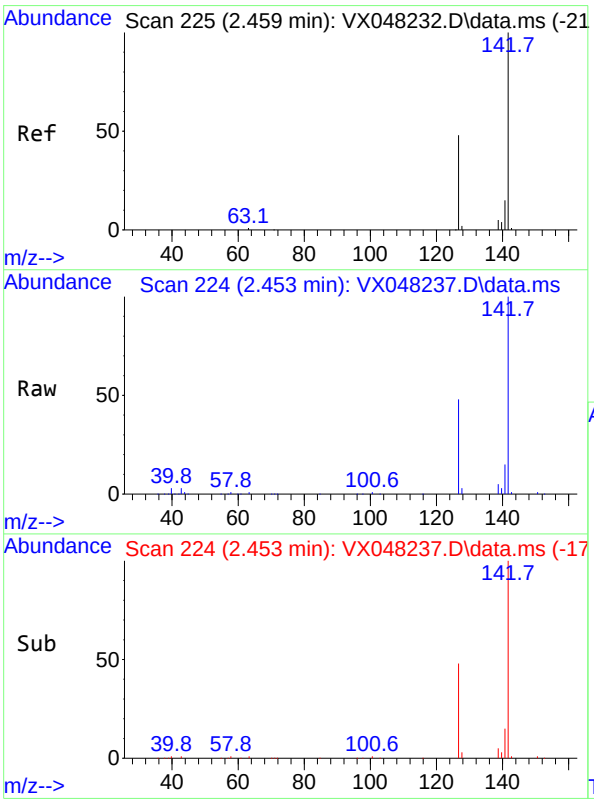

#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.589 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:101 Resp: 83688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.4 | 35.6 | 53.4 |
| 151 | 76.9 | 58.0 | 87.0 |

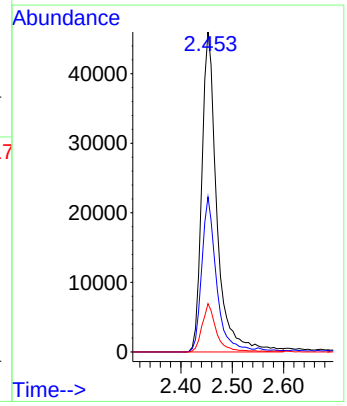


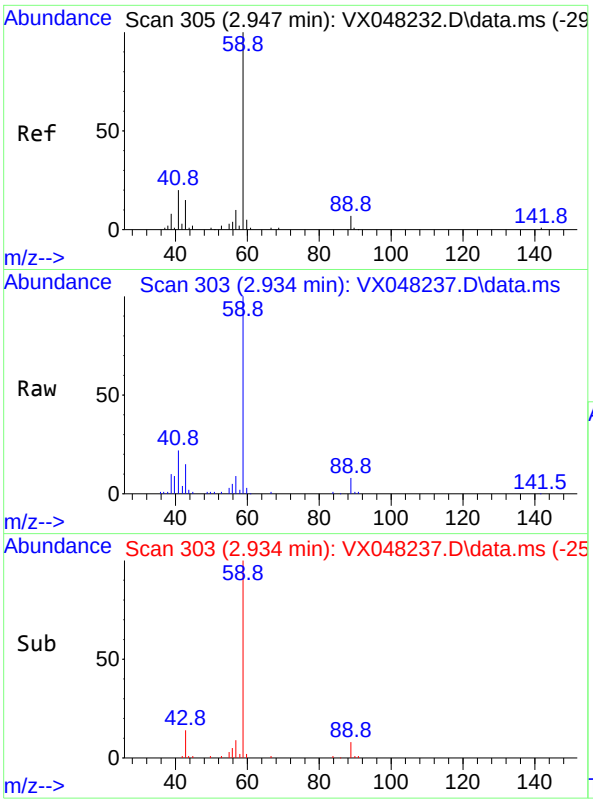




#10
Methyl Iodide
Concen: 47.994 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:142 Resp: 94222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.9 | 38.5 | 57.7 |
| 141 | 14.3 | 11.6 | 17.4 |



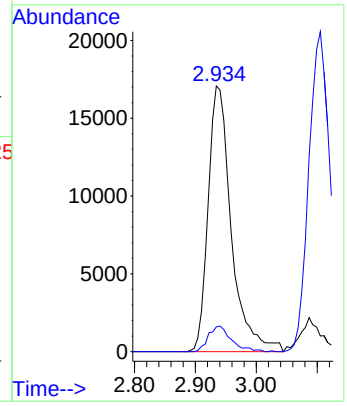


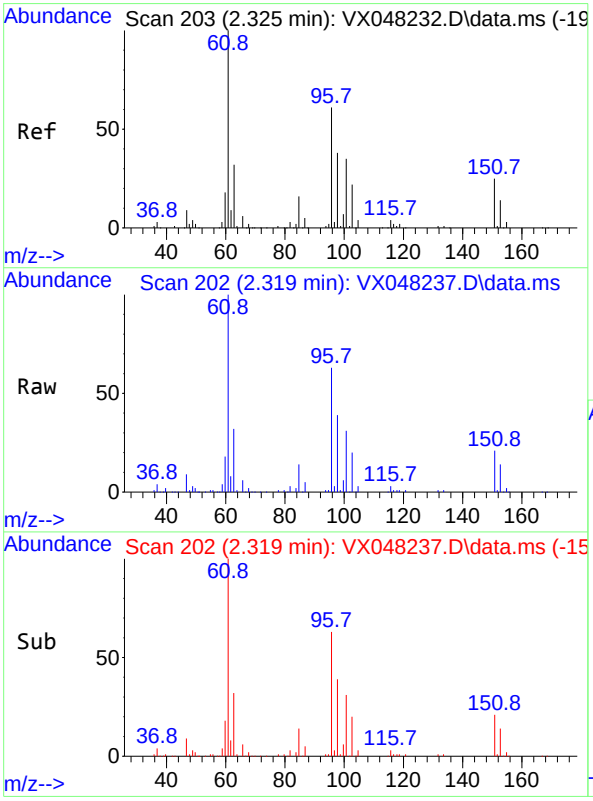

#11
Tert butyl alcohol
Concen: 223.693 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 59 Resp: 45064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.6 | 8.2 | 12.4 |

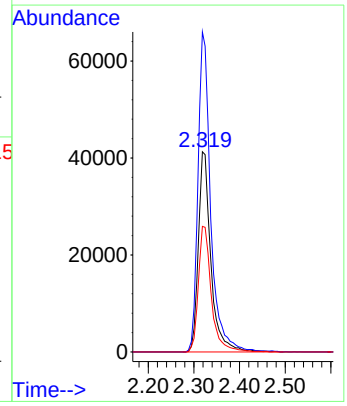


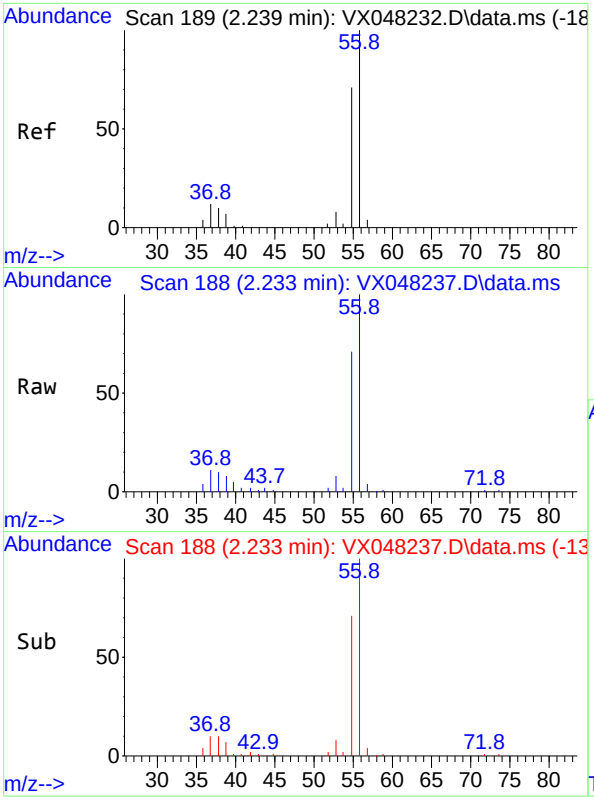




#12
1,1-Dichloroethene
Concen: 52.043 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 96 Resp: 79070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.8 | 139.0 | 208.6 |
| 98 | 62.7 | 52.4 | 78.6 |



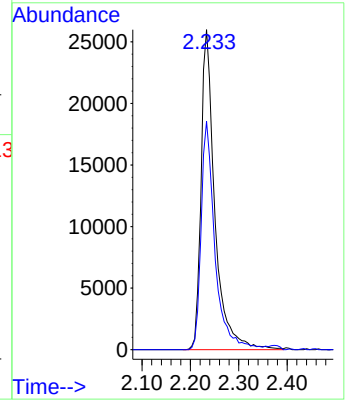


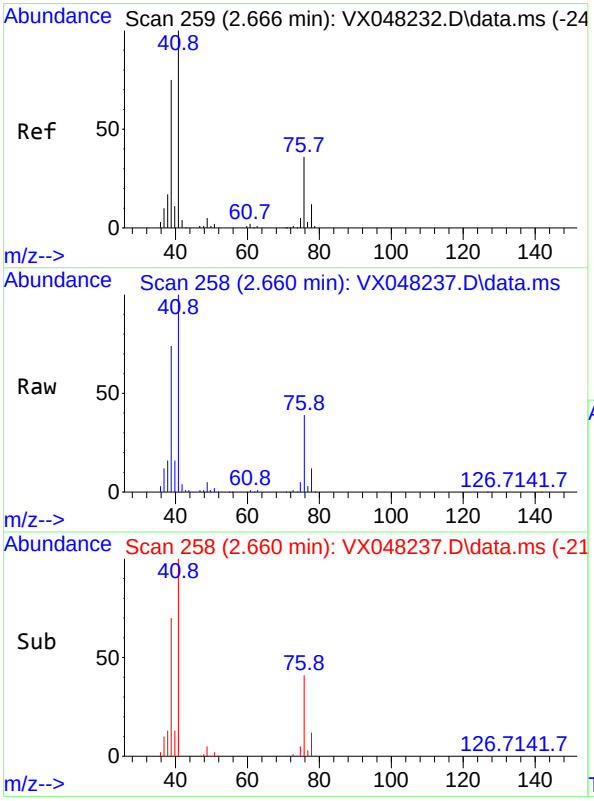

#13
Acrolein
Concen: 249.473 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 56 Resp: 51257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.7 | 56.1 | 84.1 |

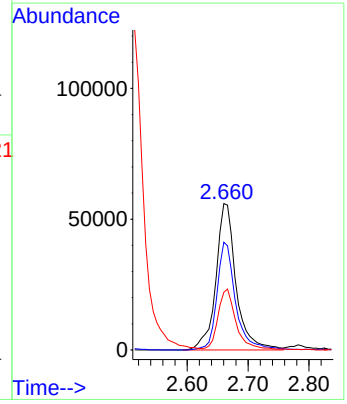


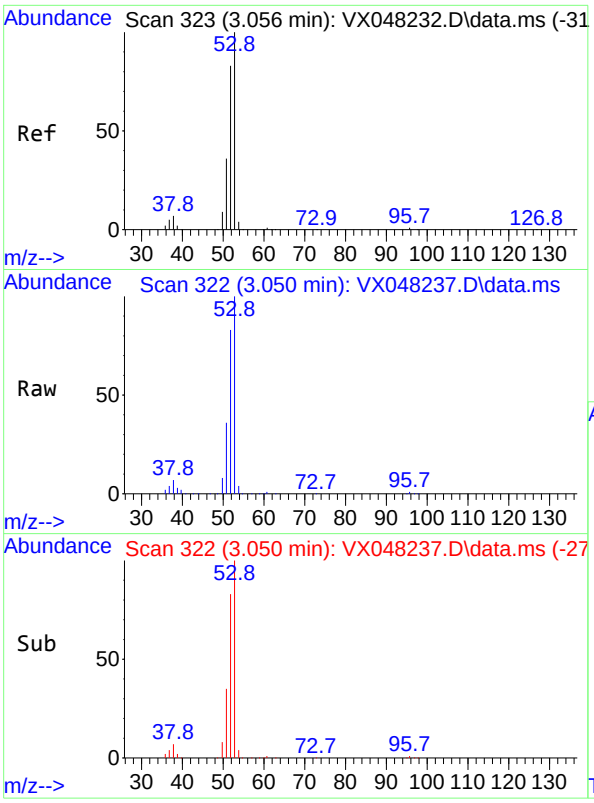




#14
Allyl chloride
Concen: 51.099 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 41 Resp: 128896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 68.0 | 56.0 | 84.0 |
| 76 | 37.0 | 27.5 | 41.3 |



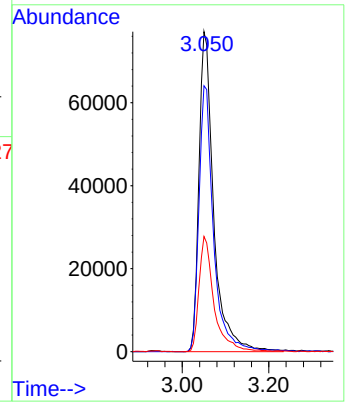


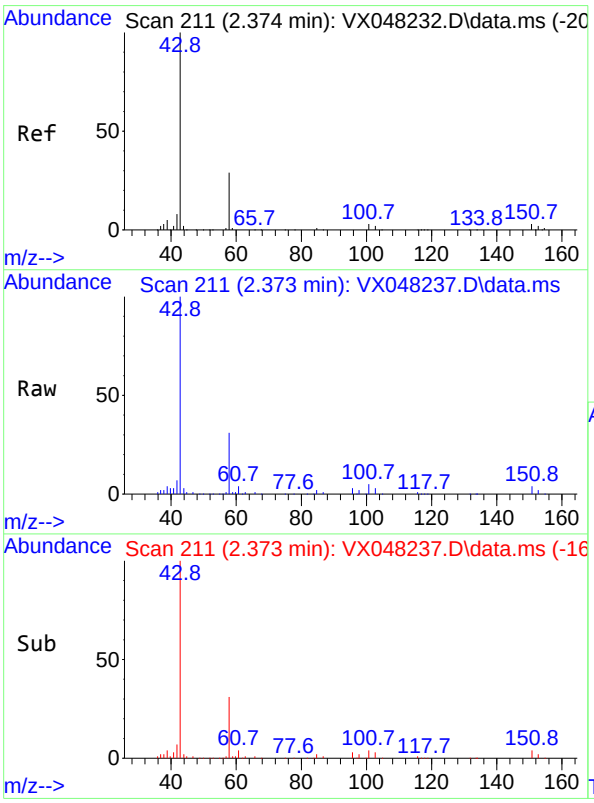

#15
Acrylonitrile
Concen: 250.900 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 53 Resp: 182260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.6 | 66.1 | 99.1 |
| 51 | 36.8 | 29.0 | 43.4 |

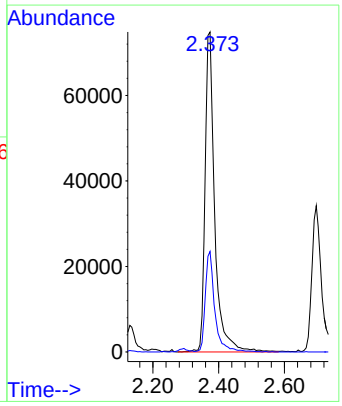


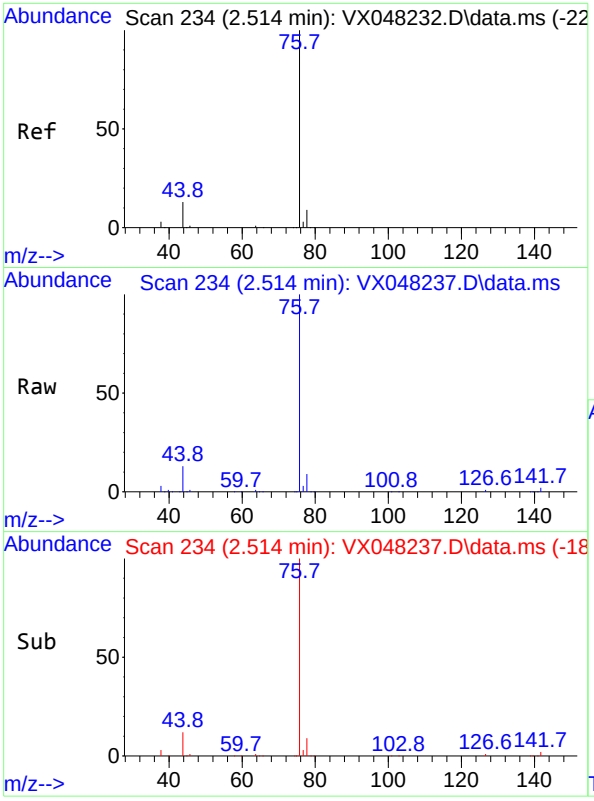




#16
Acetone
Concen: 219.789 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 152988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.4 | 23.4 | 35.2 |



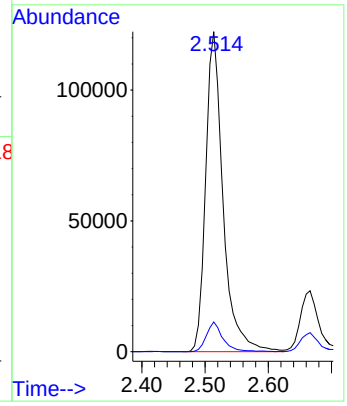


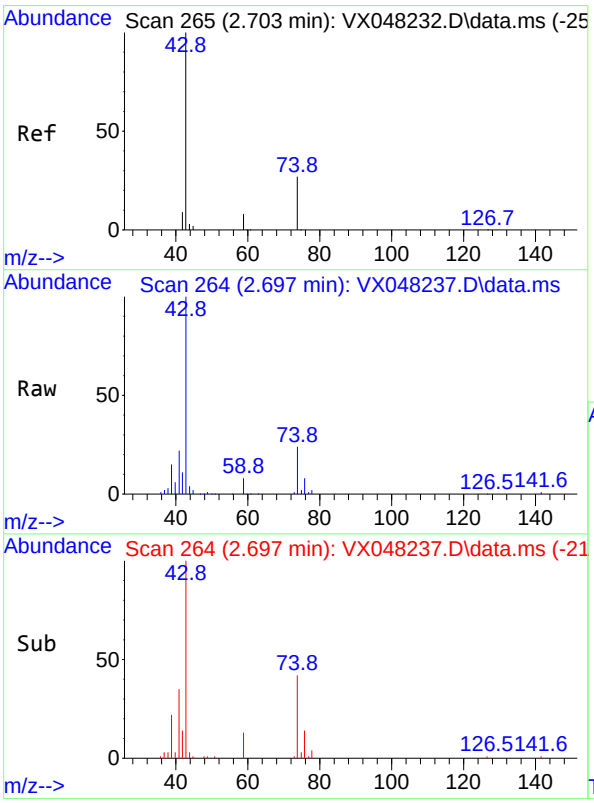

#17
Carbon Disulfide
Concen: 48.792 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 76 Resp: 233630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.1 | 10.7 |

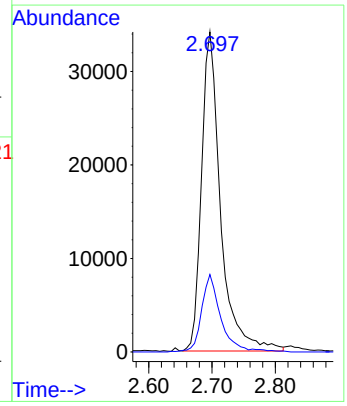


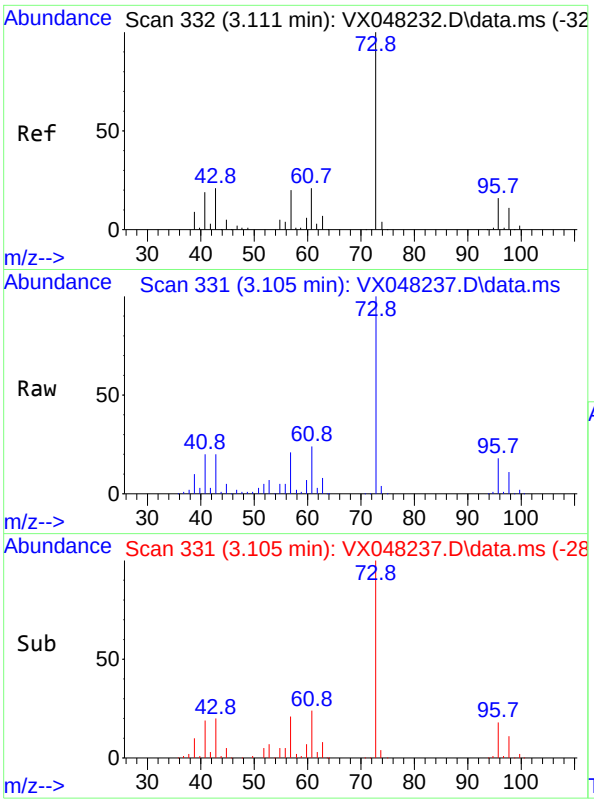




#18
Methyl Acetate
Concen: 49.190 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 71506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.7 | 17.5 | 26.3 |



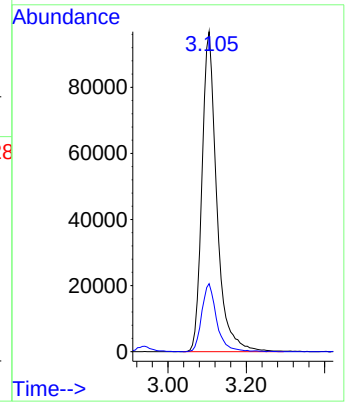


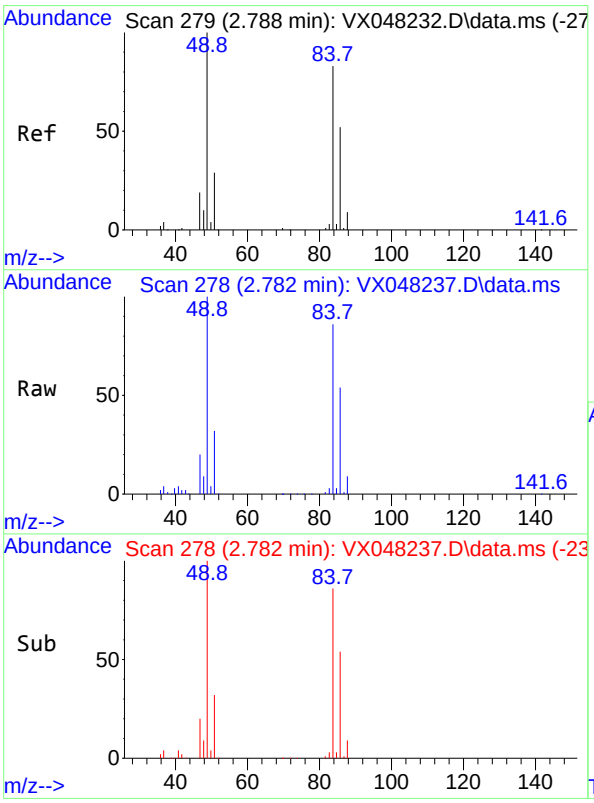

#19
Methyl tert-butyl Ether
Concen: 49.162 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 73 Resp: 254812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.2 | 17.7 | 26.5 |

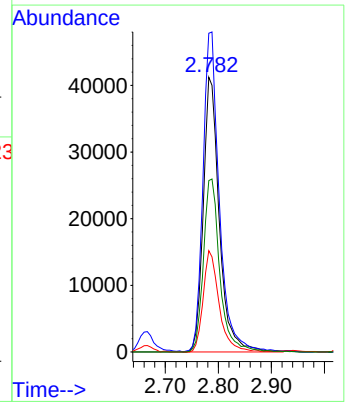


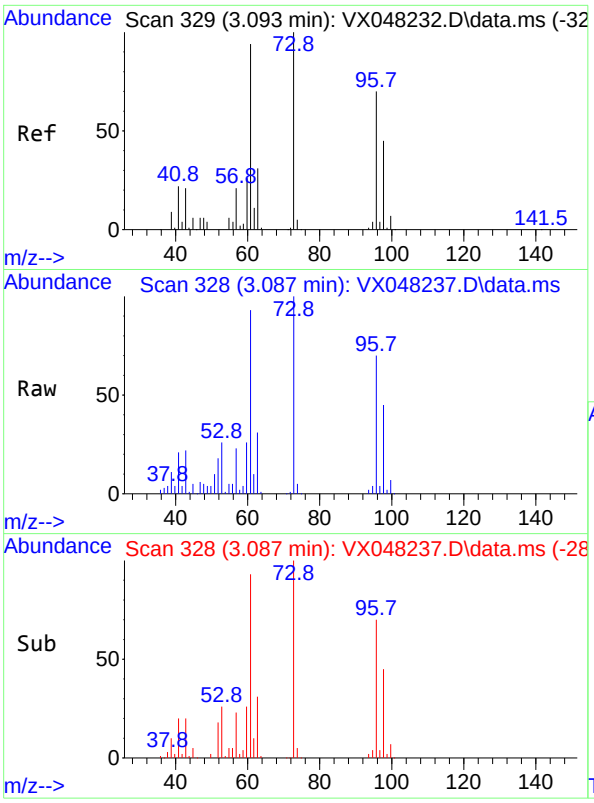




#20
Methylene Chloride
Concen: 51.066 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 84 Resp: 86610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 116.0 | 104.1 | 156.1 |
| 51 | 36.8 | 31.3 | 46.9 |
| 86 | 62.4 | 51.3 | 76.9 |



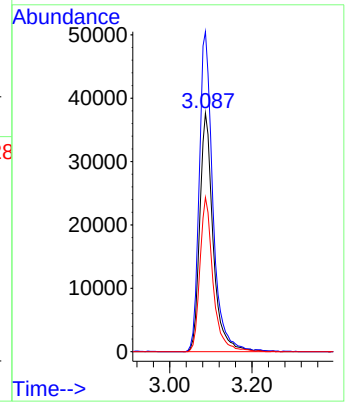


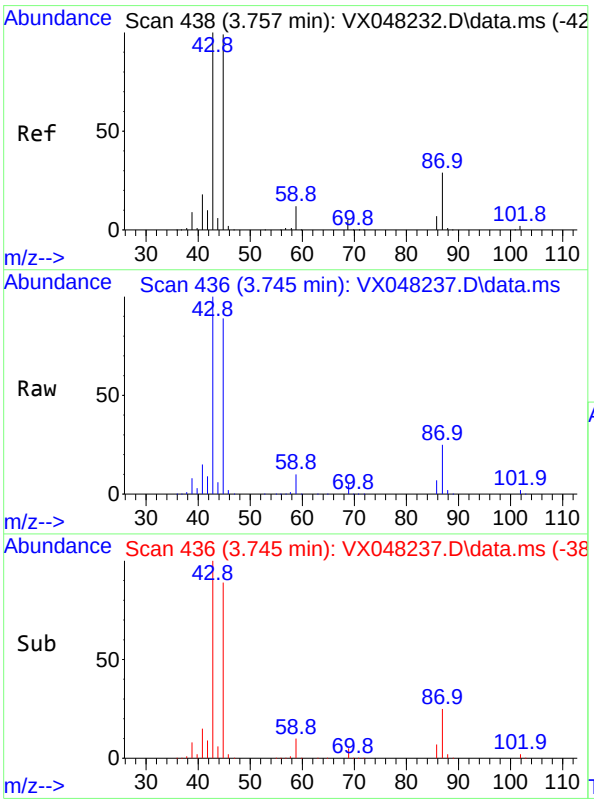

#21
trans-1,2-Dichloroethene
Concen: 50.932 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 96 Resp: 85000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.2 | 111.9 | 167.9 |
| 98 | 64.7 | 51.2 | 76.8 |

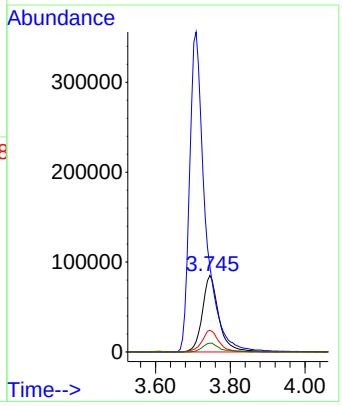


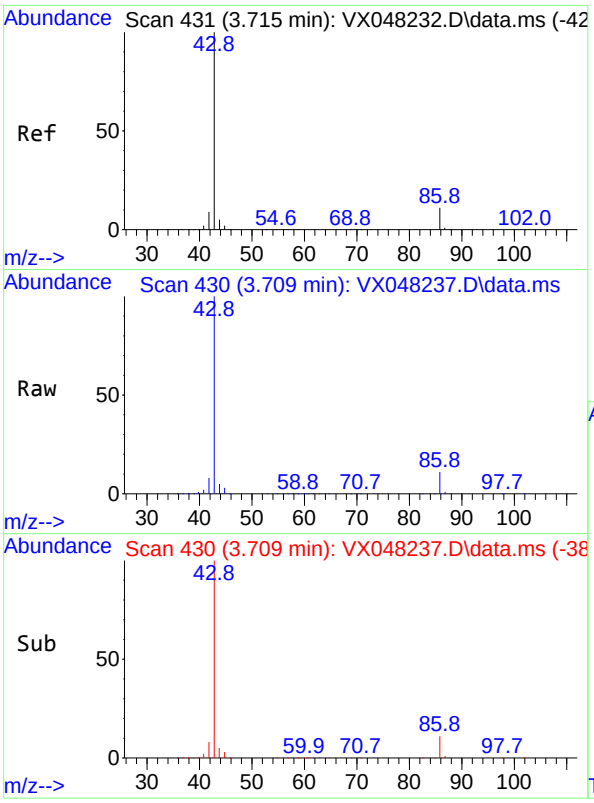




#22
Diisopropyl ether
Concen: 51.665 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 45 Resp: 259934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 111.4 | 89.8 | 134.8 |
| 87 | 28.3 | 20.6 | 31.0 |
| 59 | 11.5 | 9.1 | 13.7 |



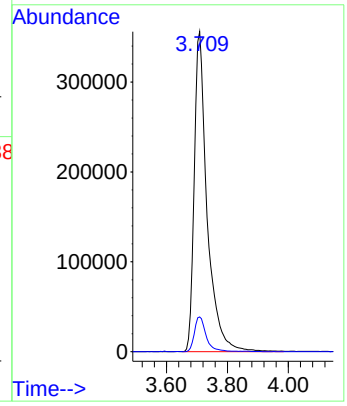


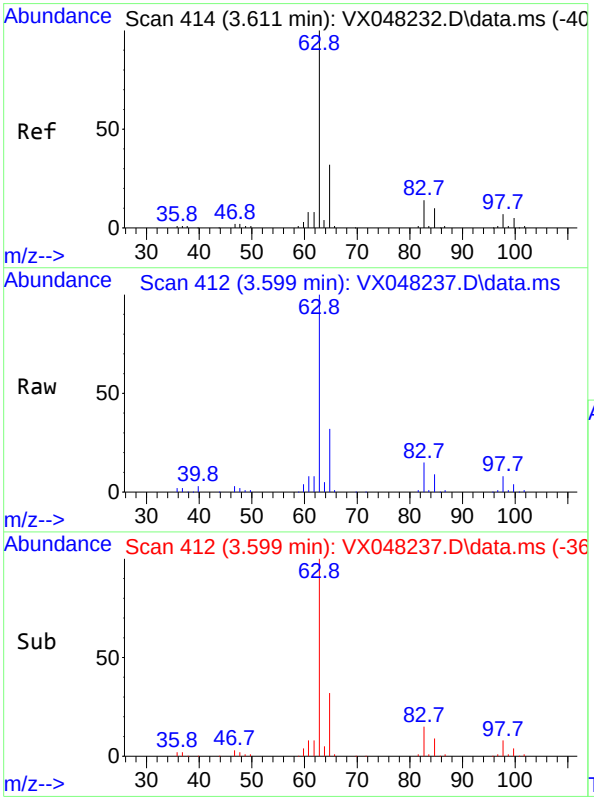

#23
Vinyl Acetate
Concen: 260.168 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 43 Resp: 1045584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.9 | 7.9 | 11.9 |

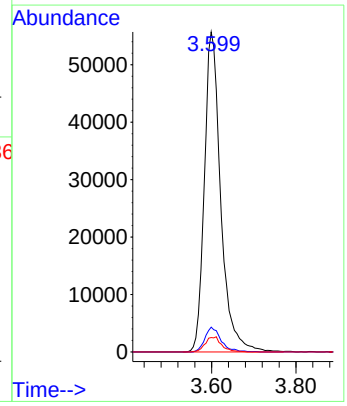


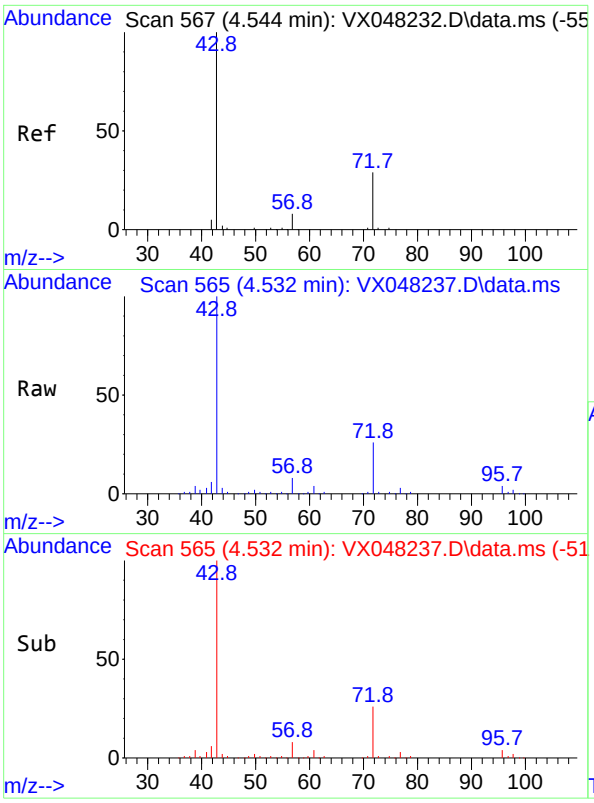




#24
1,1-Dichloroethane
Concen: 49.490 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 63 Resp: 150557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.7 | 3.5 | 10.6 |
| 100 | 4.5 | 2.1 | 6.3 |



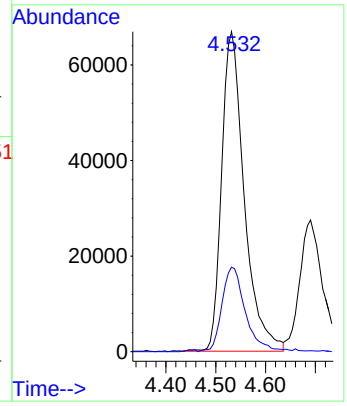


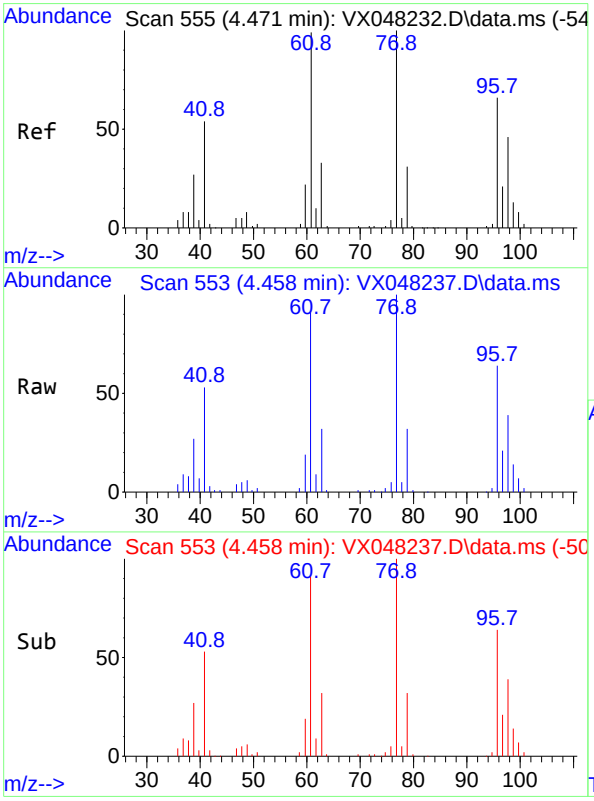

#25
2-Butanone
Concen: 238.354 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 43 Resp: 209999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.3 | 19.9 | 29.9 |

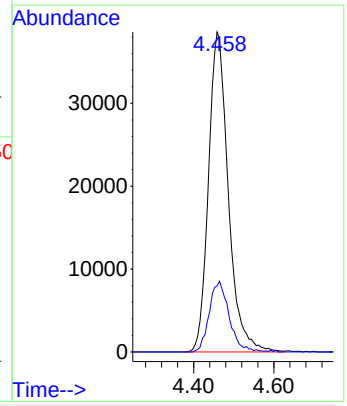


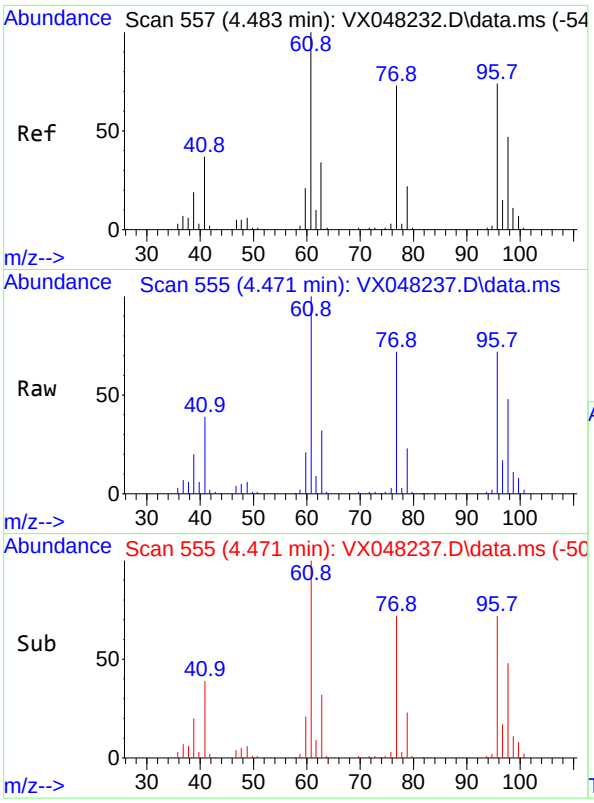




#26
2,2-Dichloropropane
Concen: 48.230 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 77 Resp: 132433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 11.1 | 33.3 |



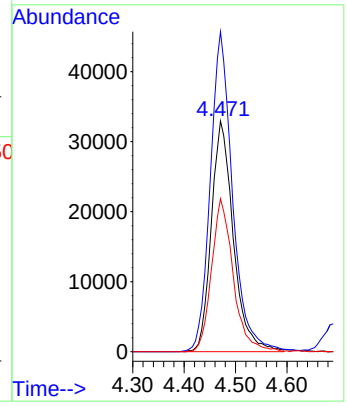


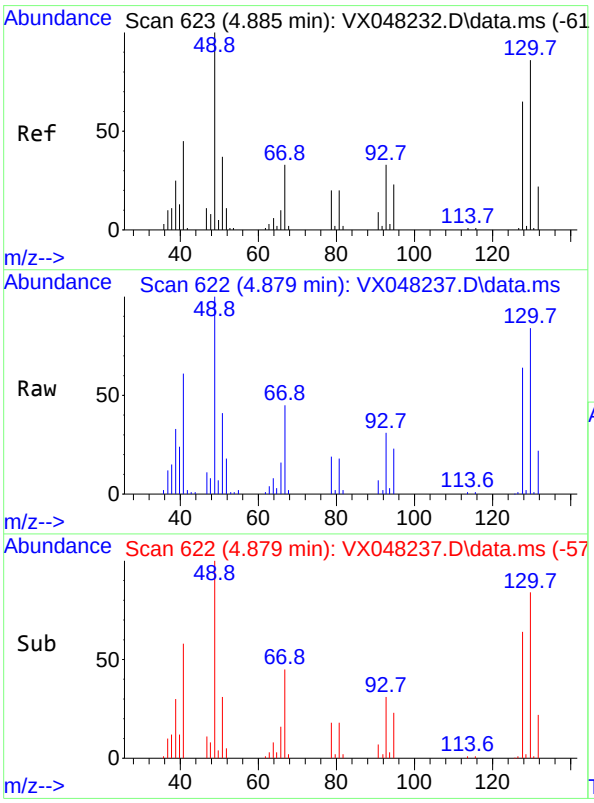

#27
cis-1,2-Dichloroethene
Concen: 50.350 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 96 Resp: 98066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.3 | 0.0 | 294.2 |
| 98 | 65.2 | 0.0 | 128.4 |

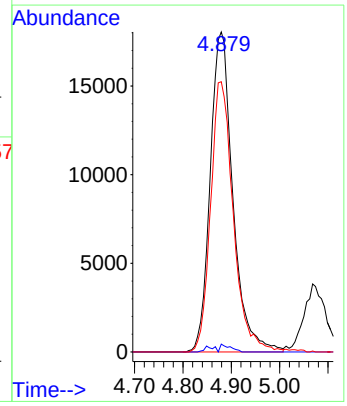


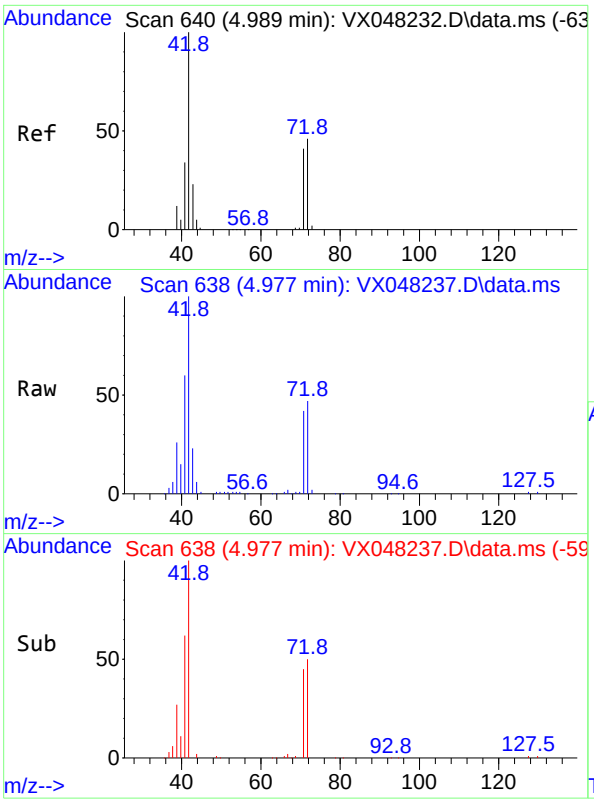




#28
Bromochloromethane
Concen: 46.587 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 49 Resp: 58764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.1 | 0.0 | 4.4 |
| 130 | 85.1 | 59.3 | 88.9 |



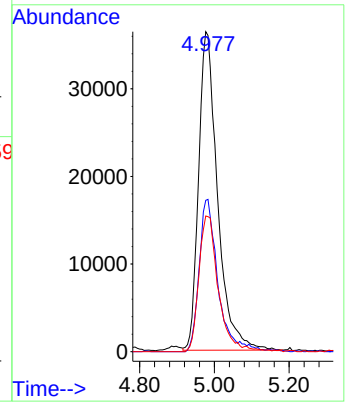


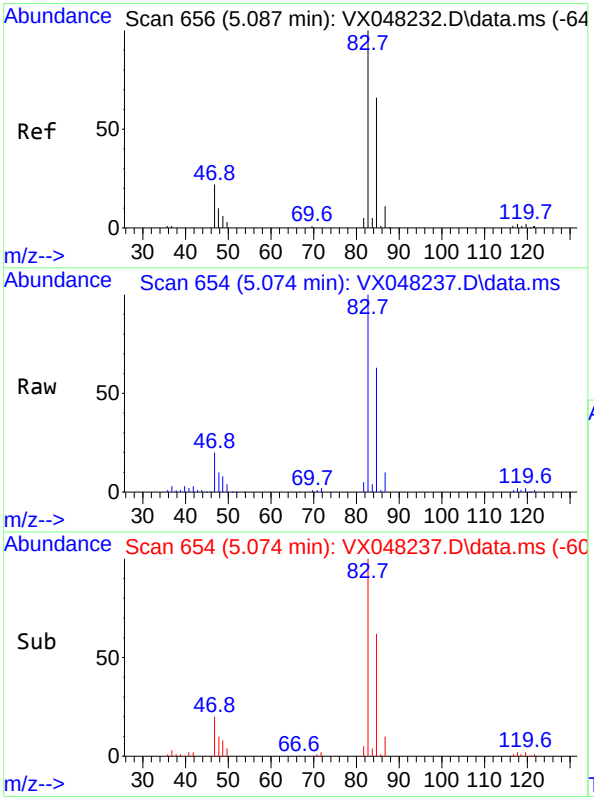

#29
Tetrahydrofuran
Concen: 242.572 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 42 Resp: 127995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 47.4 | 35.3 | 52.9 |
| 71 | 43.8 | 32.2 | 48.4 |

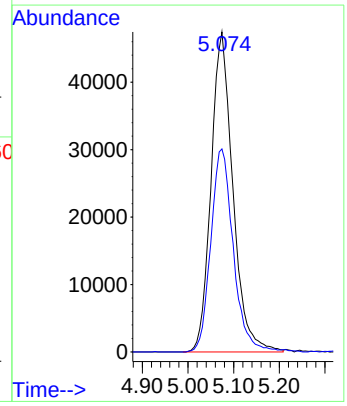


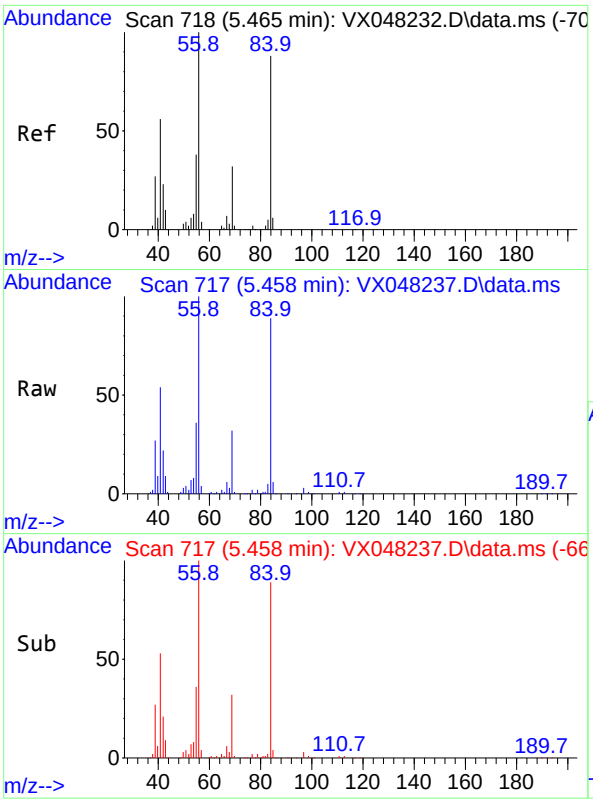




#30
Chloroform
Concen: 48.427 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 83 Resp: 157397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 50.1 | 75.1 |



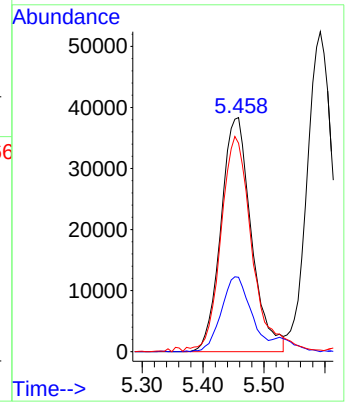


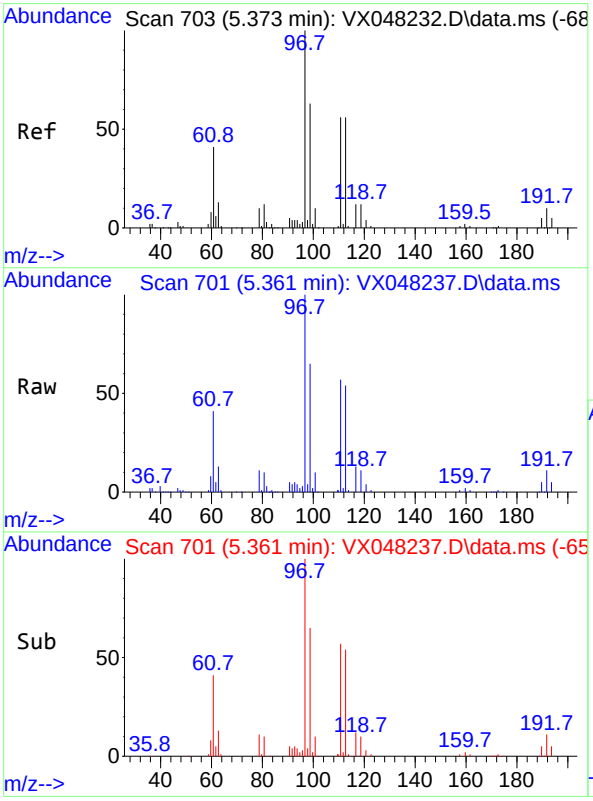

#31
Cyclohexane
Concen: 52.646 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 56 Resp: 132594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.8 | 23.0 | 34.6 |
| 84 | 88.9 | 64.6 | 97.0 |

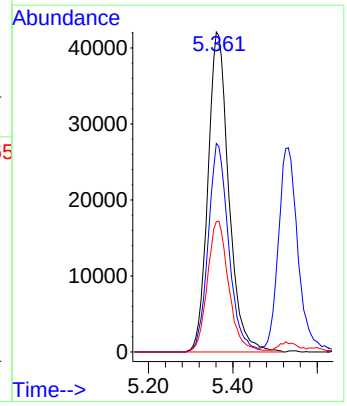


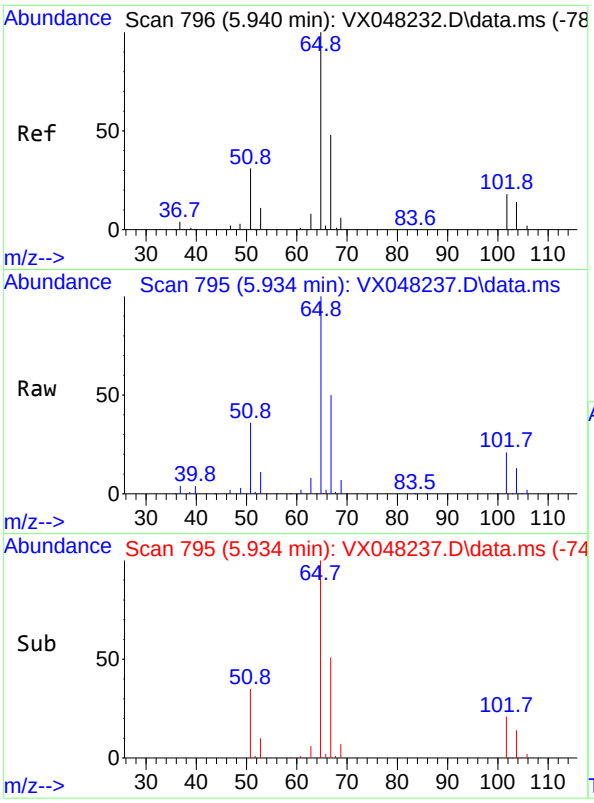




#32
1,1,1-Trichloroethane
Concen: 48.309 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 97 Resp: 144706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 51.7 | 77.5 |
| 61 | 41.8 | 34.8 | 52.2 |



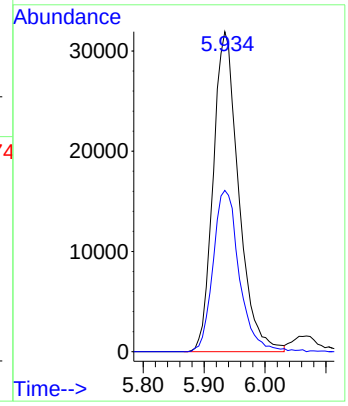


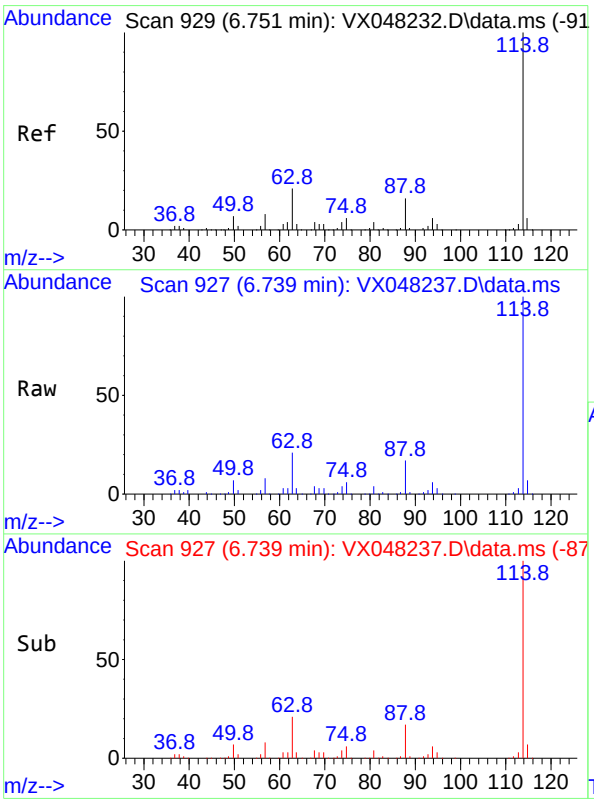

#33
1,2-Dichloroethane-d4
Concen: 45.687 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 65 Resp: 92700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 105.0 |

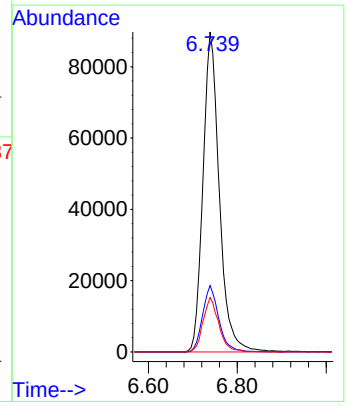


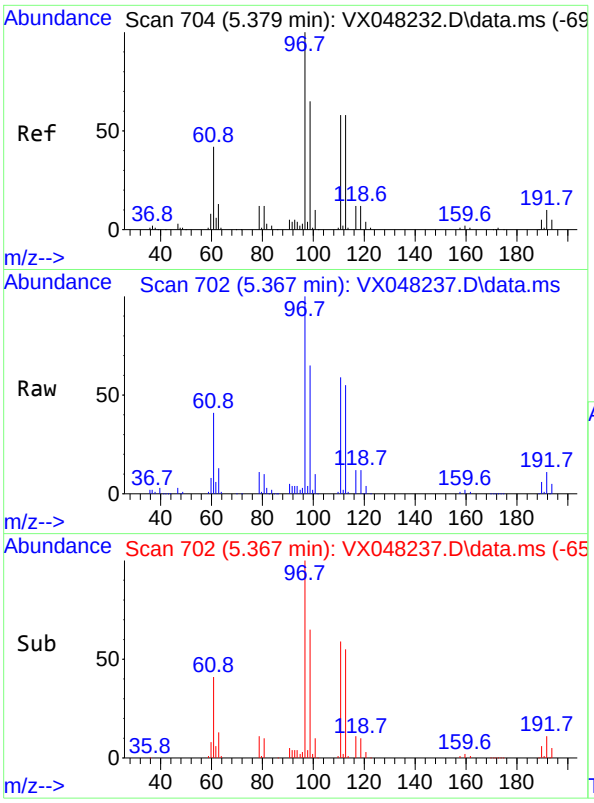




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:114 Resp: 229650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.6 | 0.0 | 43.2 |
| 88 | 17.0 | 0.0 | 33.6 |



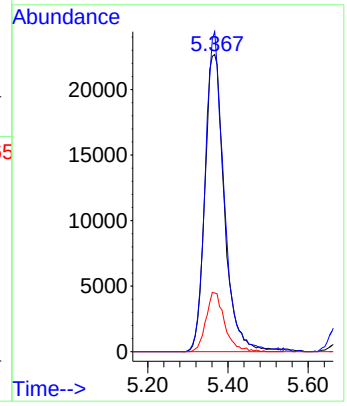


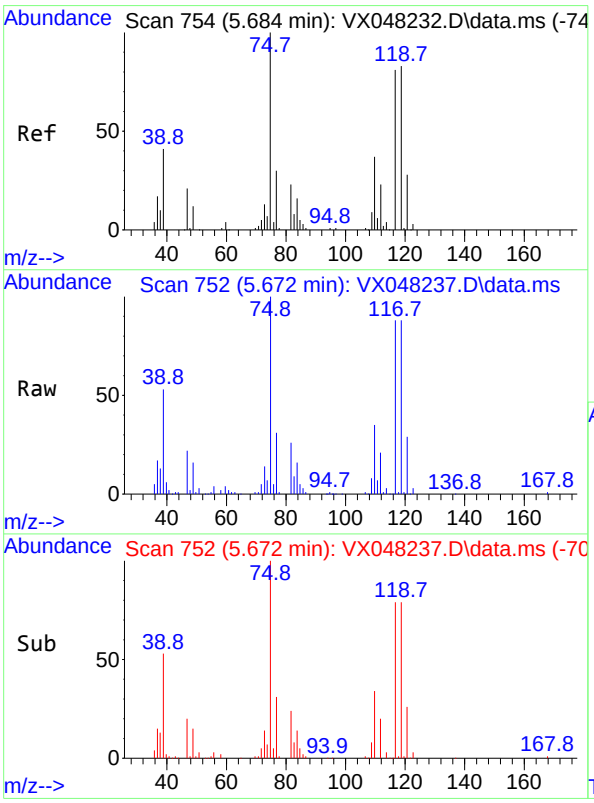

#35
Dibromofluoromethane
Concen: 48.951 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:113 Resp: 76746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.2 | 123.4 |
| 192 | 19.0 | 15.1 | 22.7 |

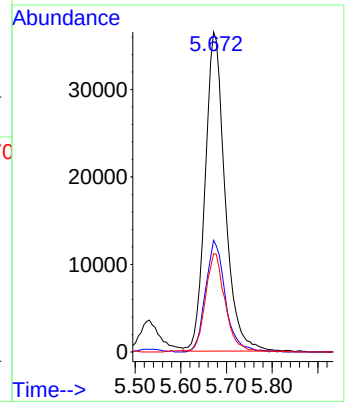


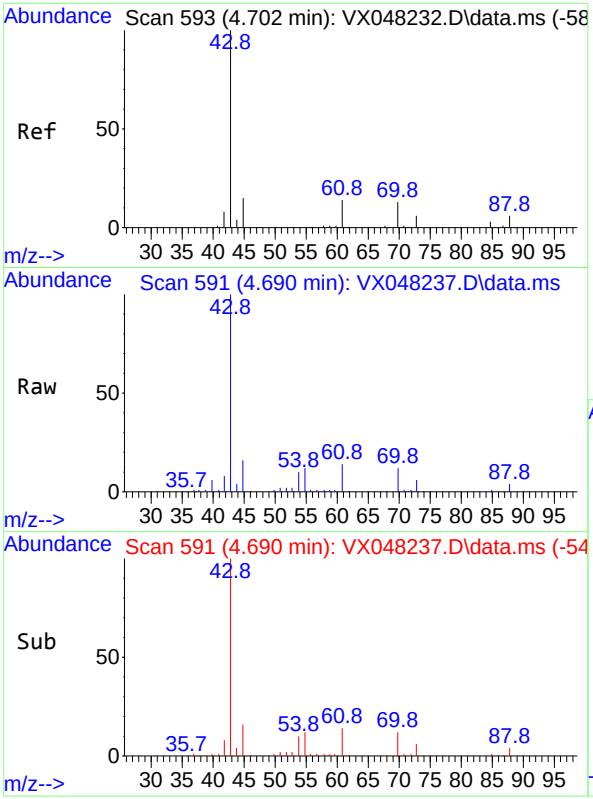




#36
1,1-Dichloropropene
Concen: 49.344 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 109957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.0 | 17.7 | 53.1 |
| 77 | 30.4 | 24.3 | 36.5 |



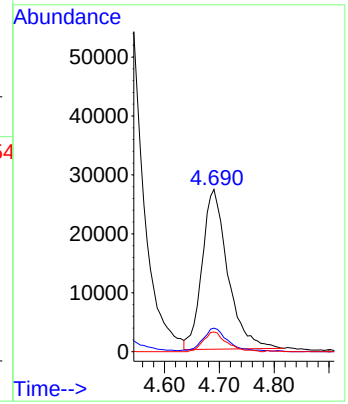


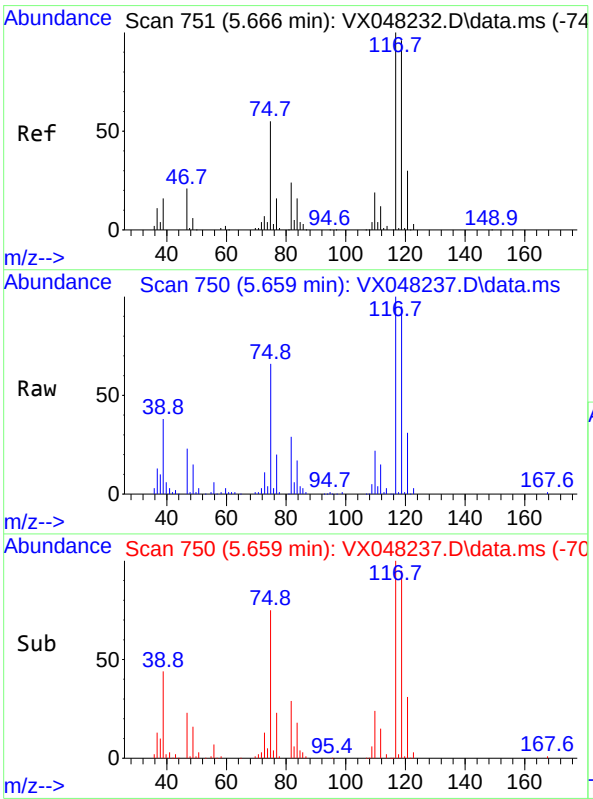

#37
Ethyl Acetate
Concen: 47.684 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 43 Resp: 88074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 10.6 | 15.8 |
| 70 | 11.2 | 7.8 | 11.6 |

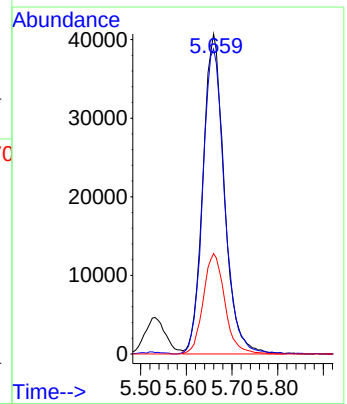


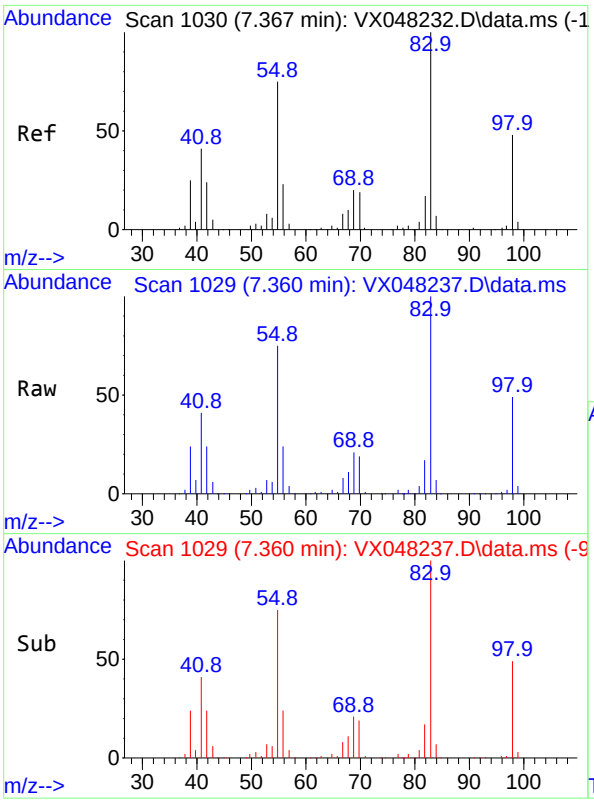




#38
Carbon Tetrachloride
Concen: 48.228 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:117 Resp: 132590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.1 | 77.2 | 115.8 |
| 121 | 31.4 | 24.8 | 37.2 |



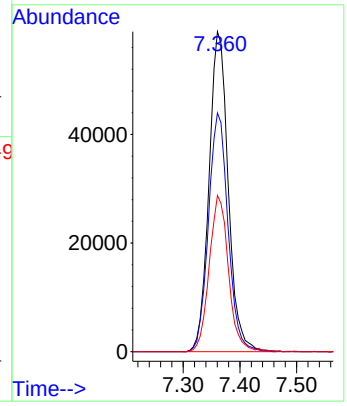


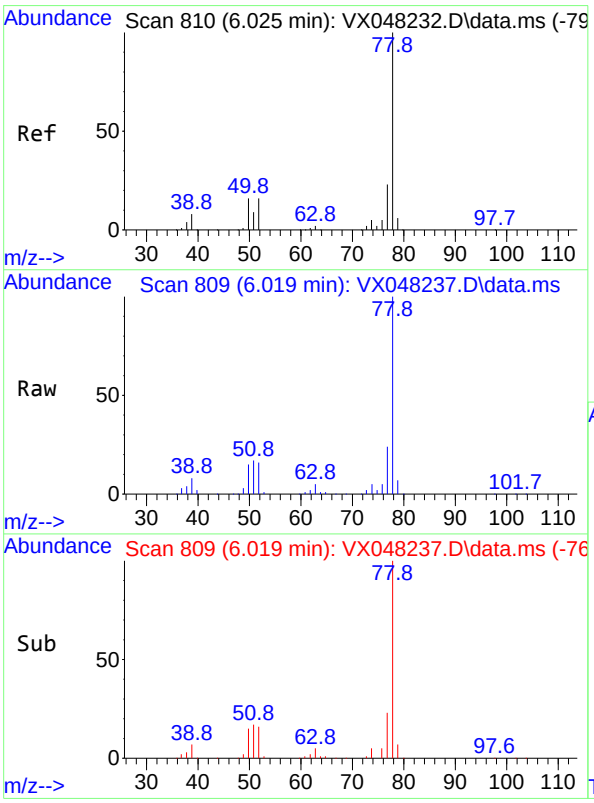

#39
Methylcyclohexane
Concen: 52.670 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 83 Resp: 138611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.6 | 66.2 | 99.2 |
| 98 | 48.8 | 38.9 | 58.3 |

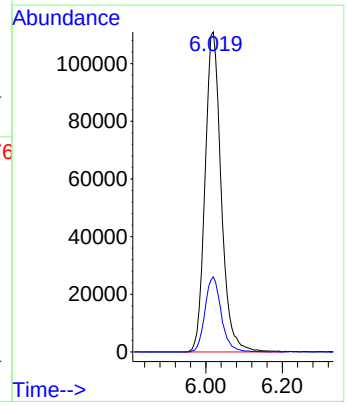


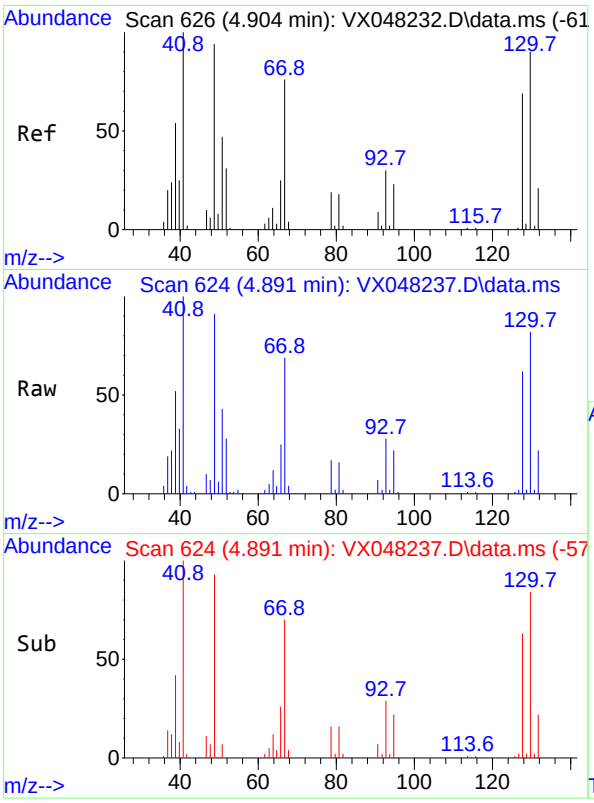




#40
Benzene
Concen: 50.241 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 78 Resp: 325041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 19.3 | 28.9 |



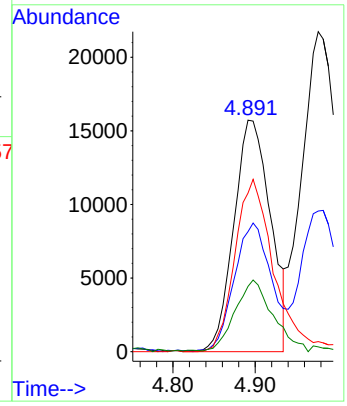


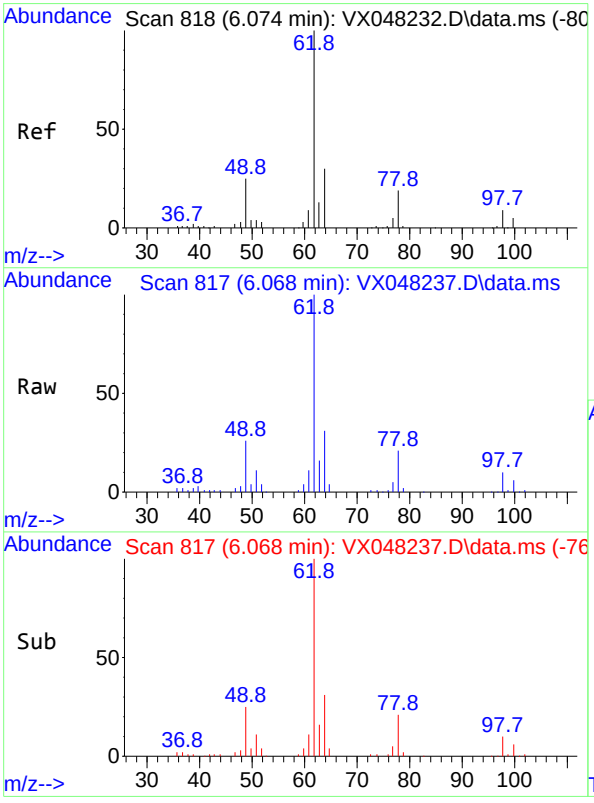

#41
Methacrylonitrile
Concen: 50.358 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 41 Resp: 48846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.6 | 44.0 | 66.0 |
| 67 | 80.7 | 58.7 | 88.1 |
| 52 | 31.8 | 25.9 | 38.9 |

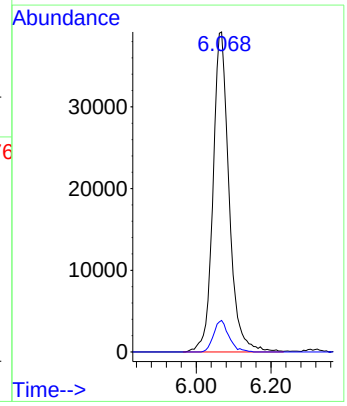


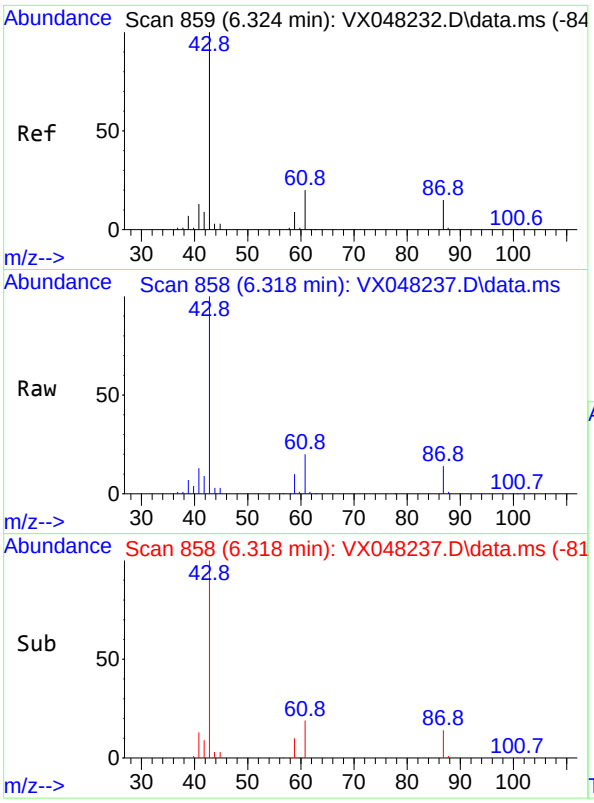




#42
1,2-Dichloroethane
Concen: 48.963 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 62 Resp: 116893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.4 | 0.0 | 17.2 |



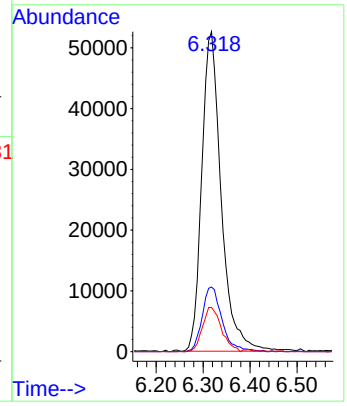


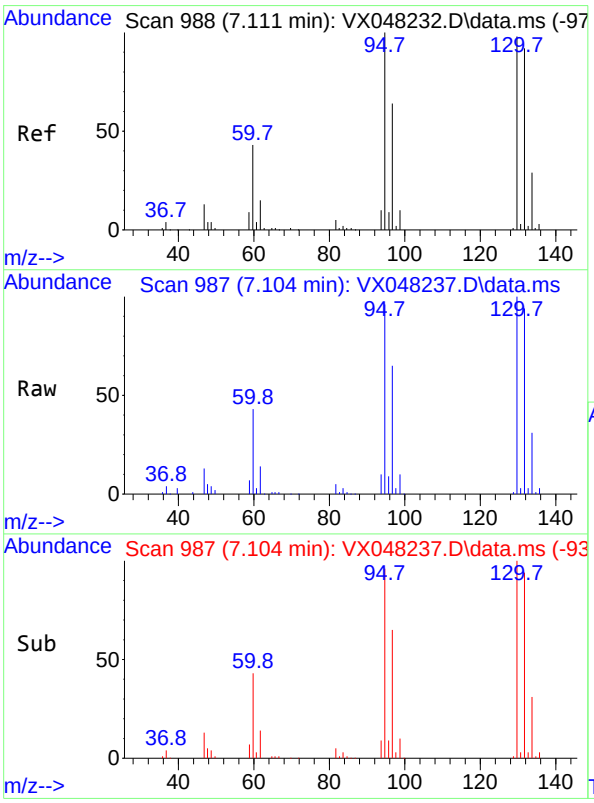

#43
Isopropyl Acetate
Concen: 49.816 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 43 Resp: 151140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.7 | 14.9 | 22.3 |
| 87 | 13.5 | 9.4 | 14.2 |

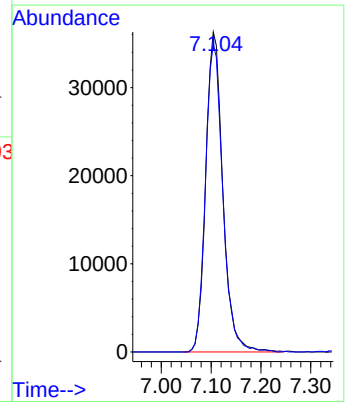


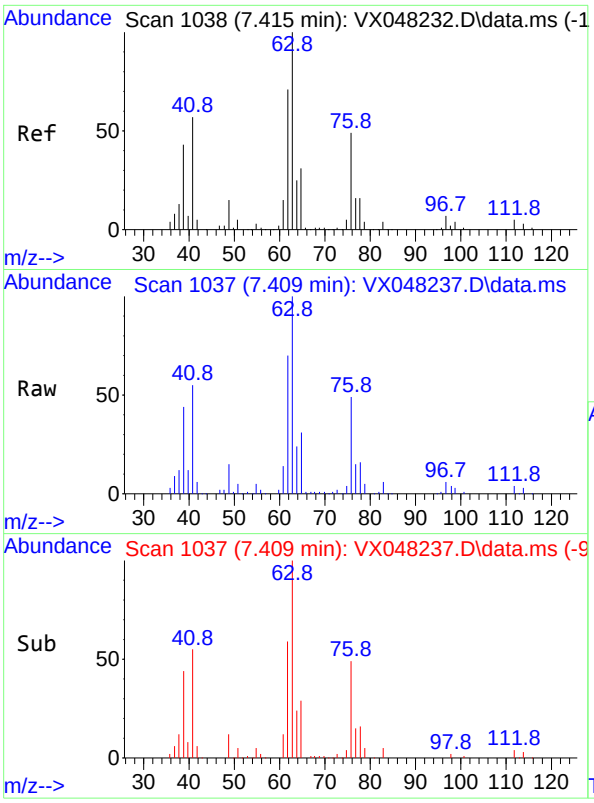




#44
Trichloroethene
Concen: 50.582 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:130 Resp: 86410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.2 | 0.0 | 200.6 |



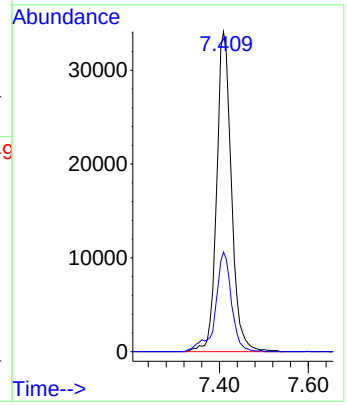


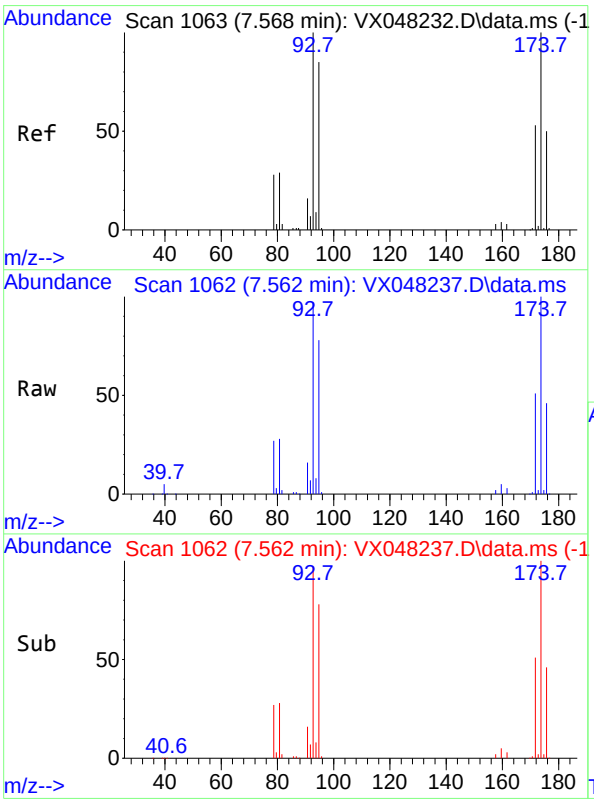

#45
1,2-Dichloropropane
Concen: 50.994 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 63 Resp: 78439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.1 | 24.1 | 36.1 |

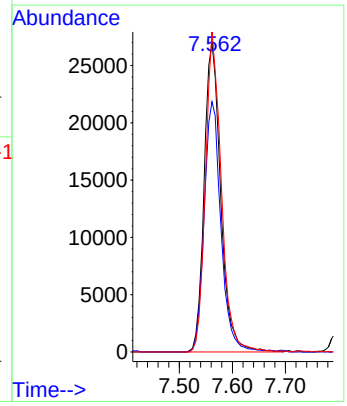


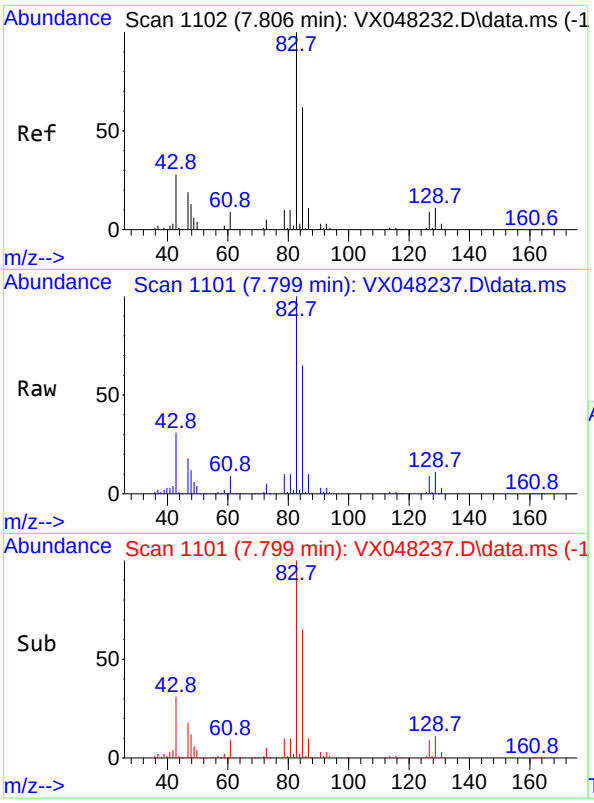




#46
Dibromomethane
Concen: 48.913 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 93 Resp: 58616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.4 | 65.9 | 98.9 |
| 174 | 99.2 | 71.7 | 107.5 |



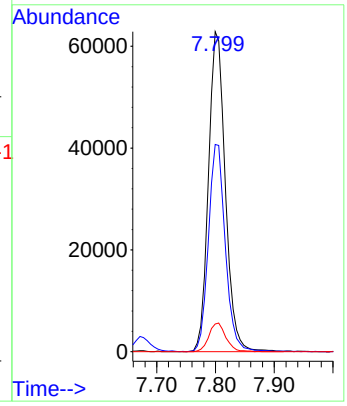


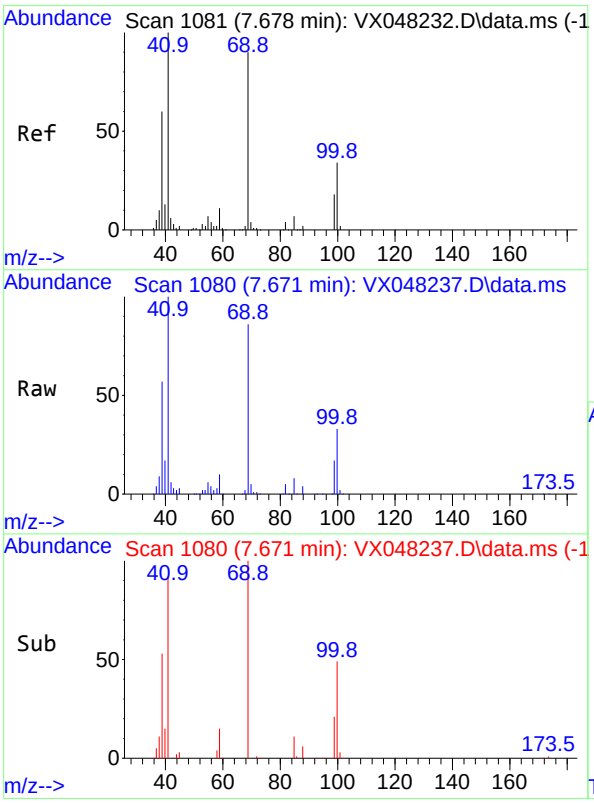

#47
Bromodichloromethane
Concen: 48.459 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 83 Resp: 125388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 52.2 | 78.4 |
| 127 | 8.7 | 7.3 | 10.9 |

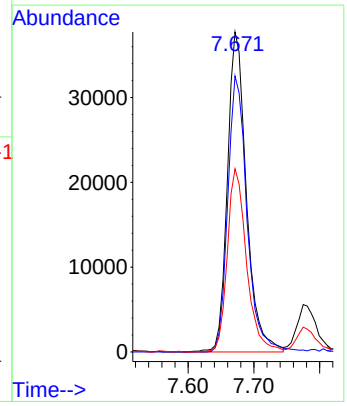


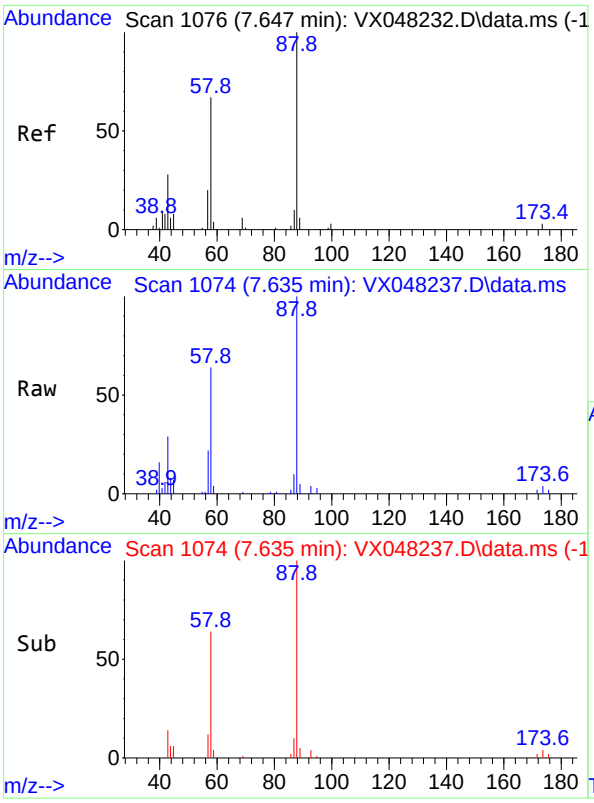




#48
Methyl methacrylate
Concen: 49.519 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 41 Resp: 75812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 87.7 | 63.4 | 95.0 |
| 39 | 58.0 | 47.1 | 70.7 |



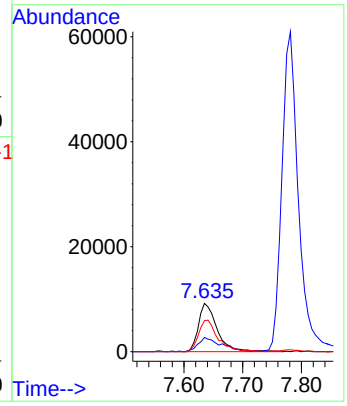


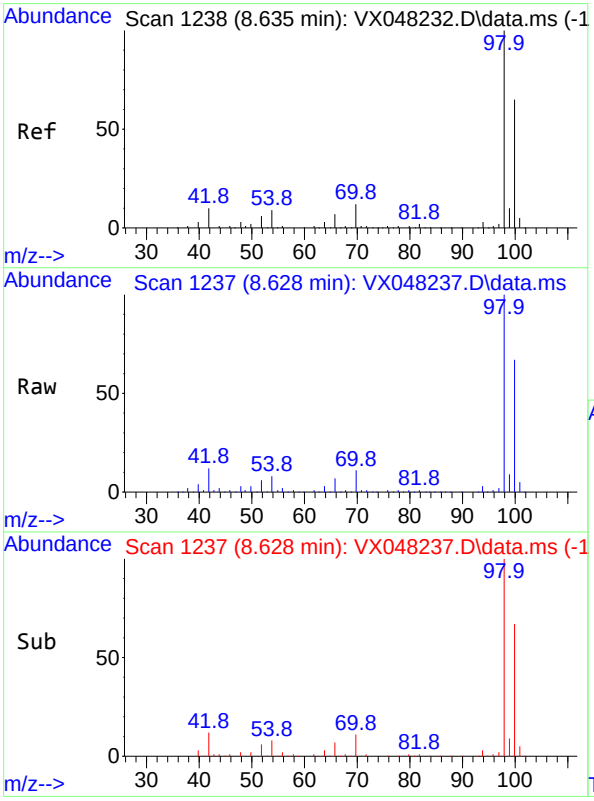

#49
1,4-Dioxane
Concen: 1000.197 ug/l
RT: 7.635 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 88 Resp: 20230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.8 | 35.0 | 52.4 |
| 58 | 67.9 | 61.9 | 92.9 |

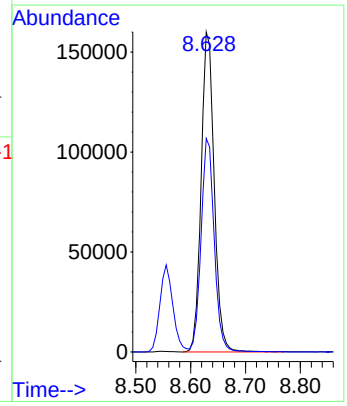


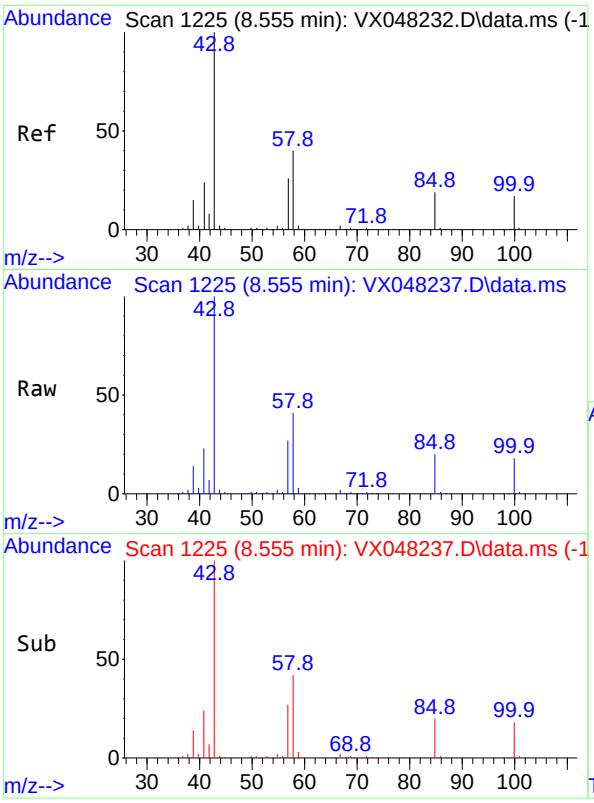




#50
Toluene-d8
Concen: 48.386 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 98 Resp: 265898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.6 | 53.0 | 79.4 |



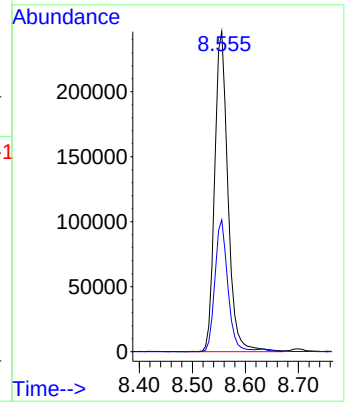


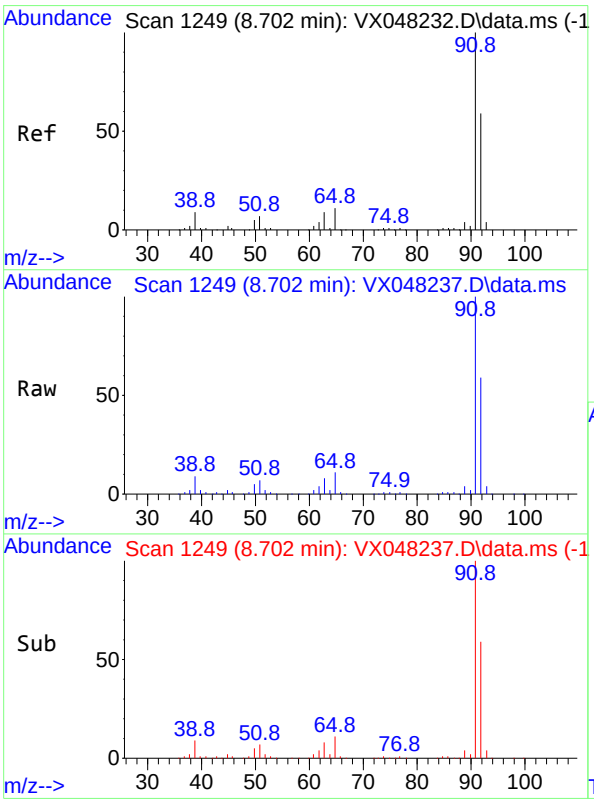

#51
4-Methyl-2-Pentanone
Concen: 244.897 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 43 Resp: 428393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.9 | 29.5 | 44.3 |

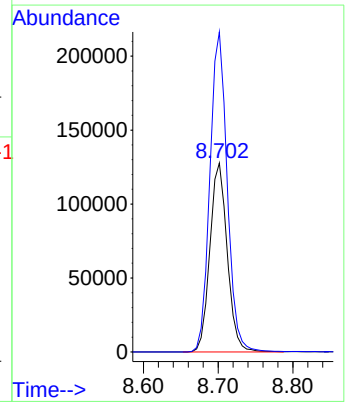


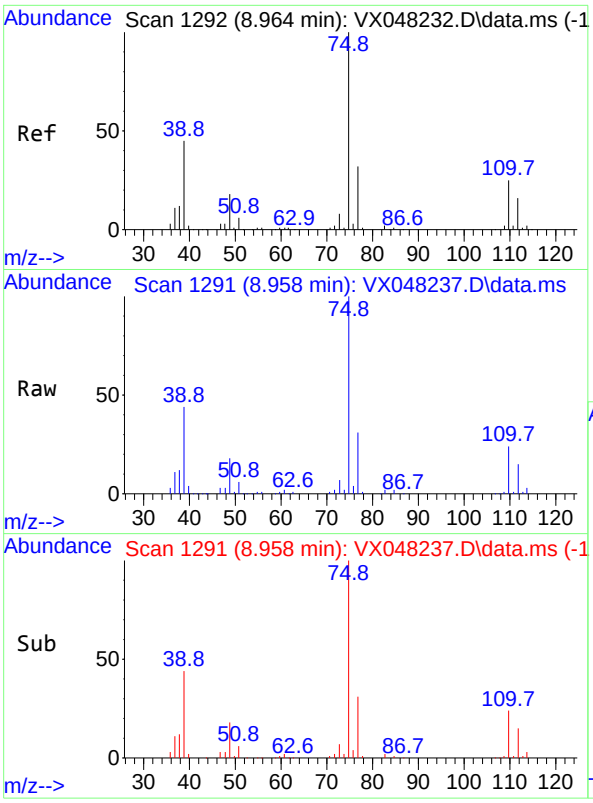




#52
Toluene
Concen: 50.088 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 92 Resp: 205867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.0 | 136.1 | 204.1 |



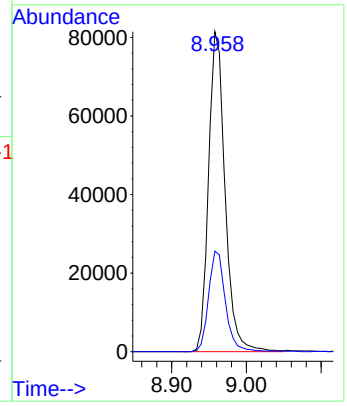


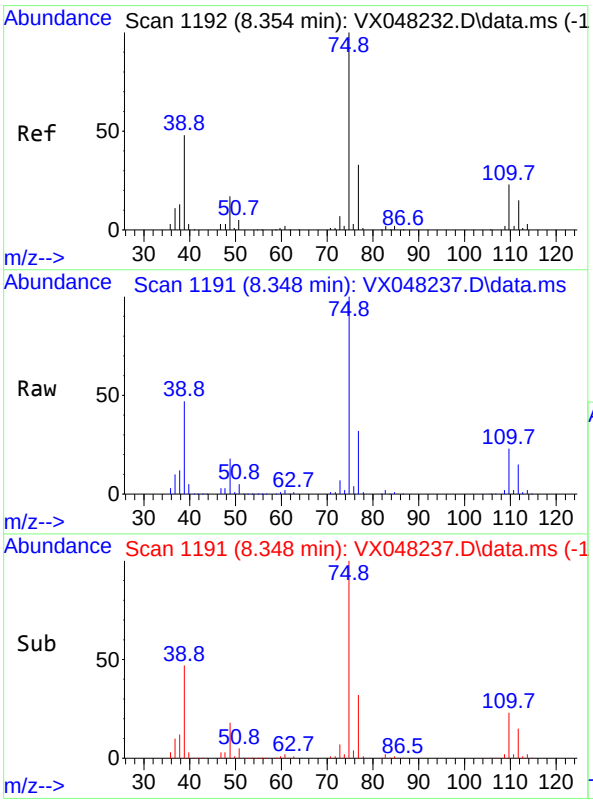

#53
t-1,3-Dichloropropene
Concen: 50.004 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 75 Resp: 124683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.0 | 37.6 |

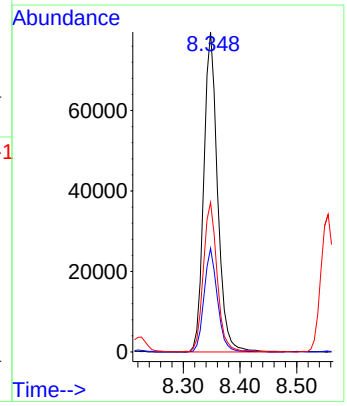


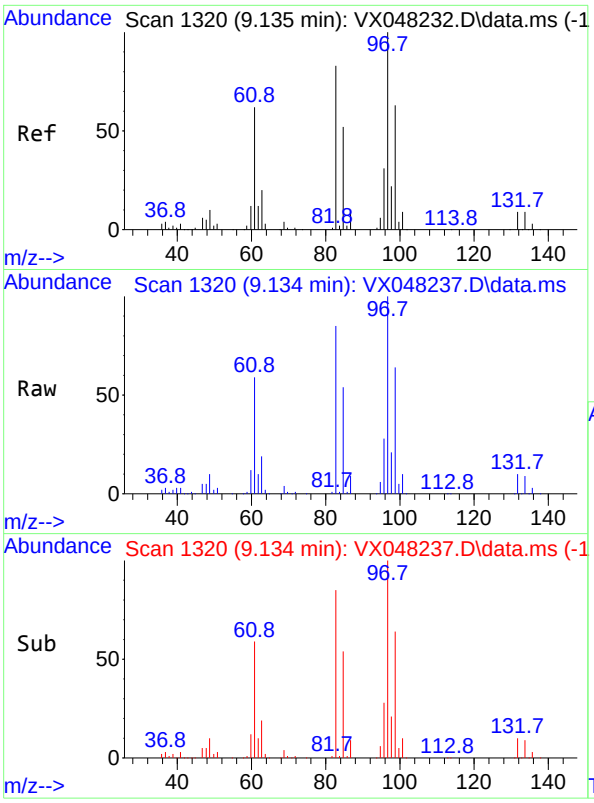




#54
cis-1,3-Dichloropropene
Concen: 49.944 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 134360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 24.9 | 37.3 |
| 39 | 46.7 | 42.6 | 64.0 |



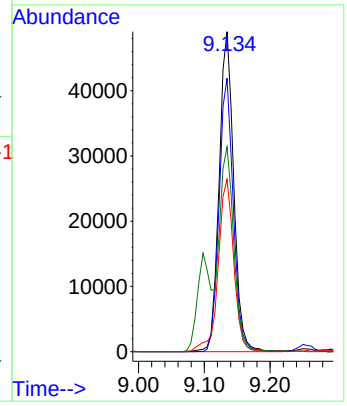


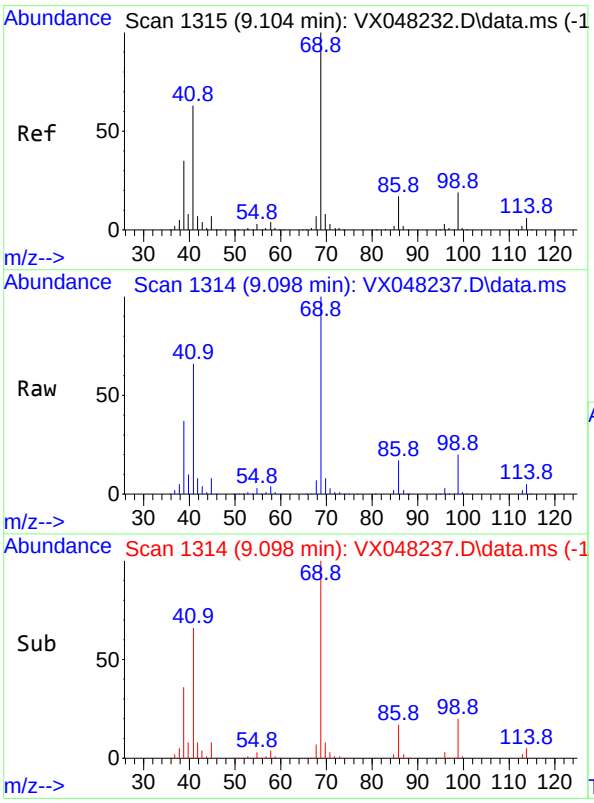

#55
1,1,2-Trichloroethane
Concen: 49.597 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 97 Resp: 75808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.5 | 70.6 | 105.8 |
| 85 | 53.9 | 45.0 | 67.6 |
| 99 | 64.0 | 50.9 | 76.3 |

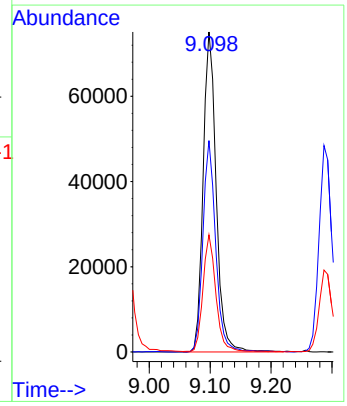


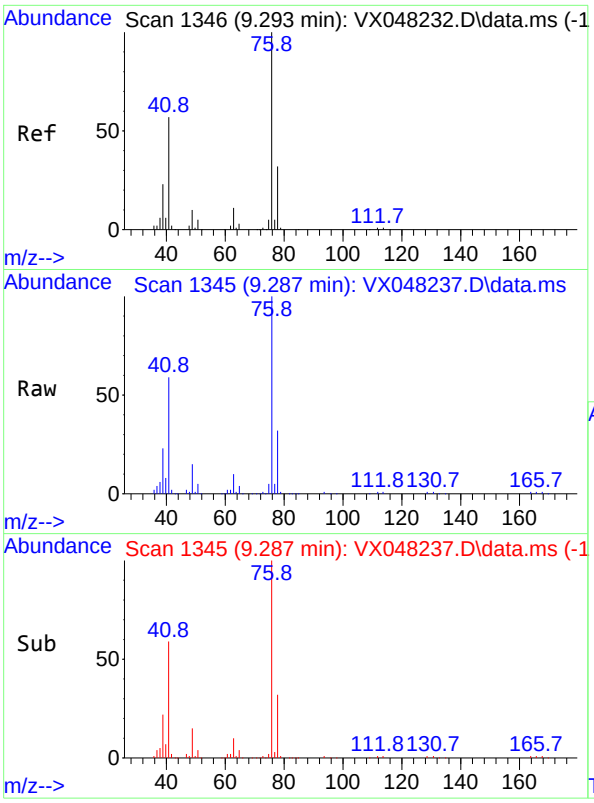




#56
Ethyl methacrylate
Concen: 49.964 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 69 Resp: 111702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 65.1 | 56.0 | 84.0 |
| 39 | 36.0 | 31.6 | 47.4 |



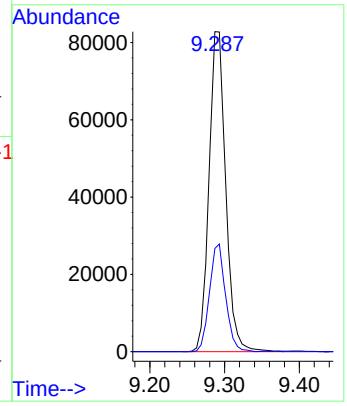


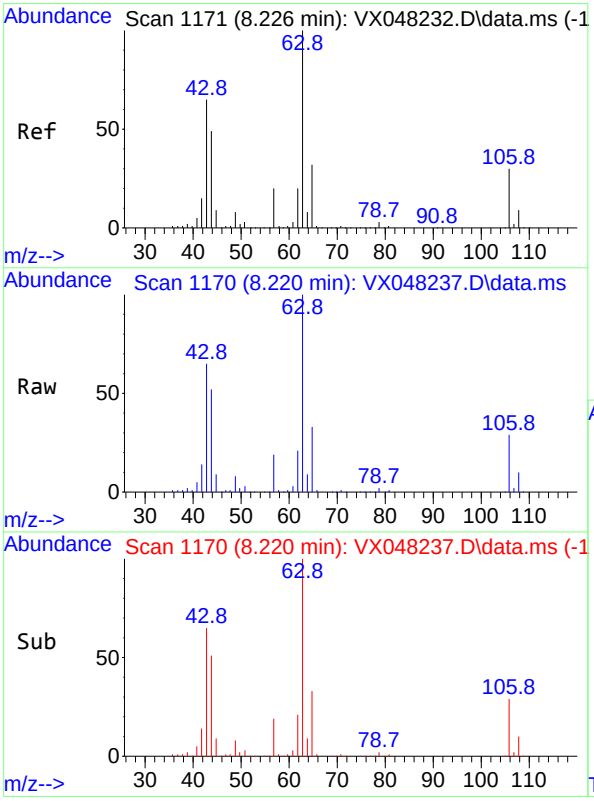

#57
1,3-Dichloropropane
Concen: 49.226 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 76 Resp: 128519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.4 | 38.0 |

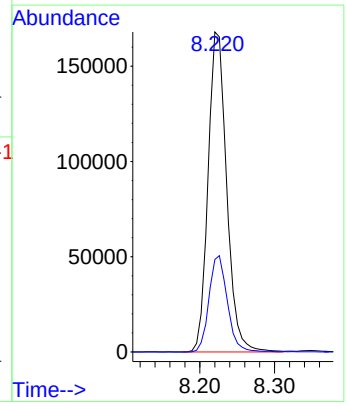


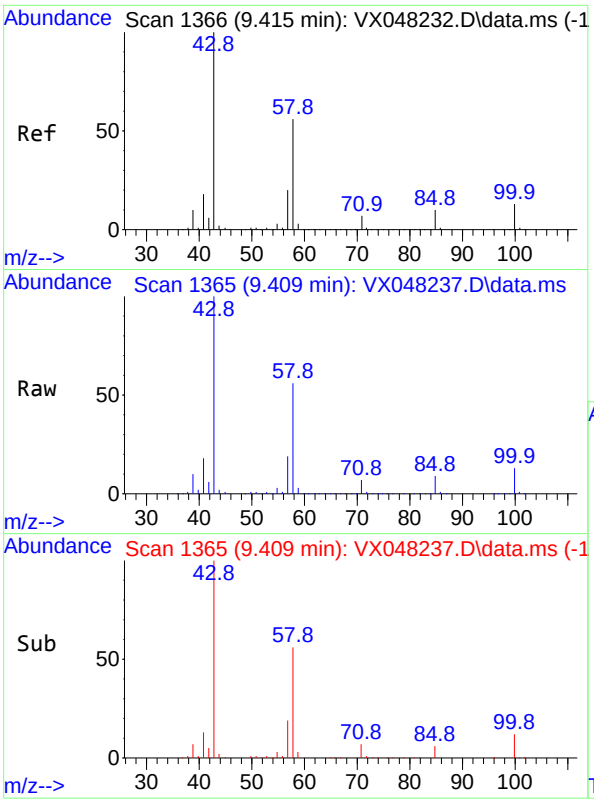




#58
2-Chloroethyl Vinyl ether
Concen: 242.124 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 63 Resp: 290992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.6 | 22.2 | 33.2 |



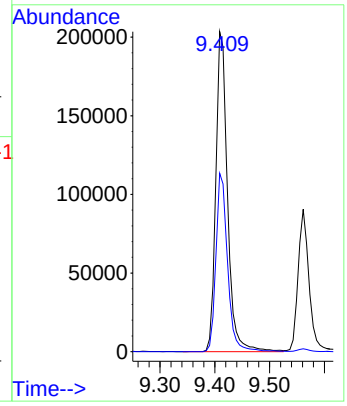


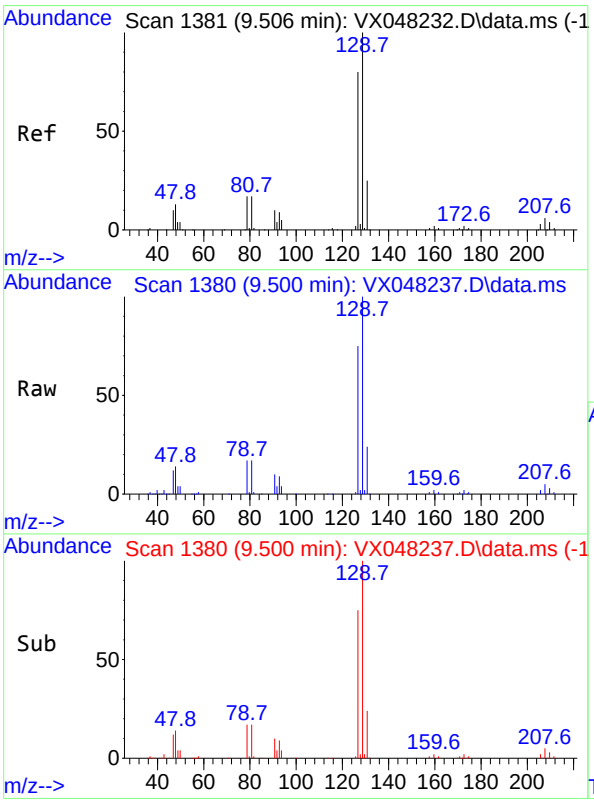

#59
2-Hexanone
Concen: 246.102 ug/l
RT: 9.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 43 Resp: 300183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.6 | 26.3 | 78.8 |

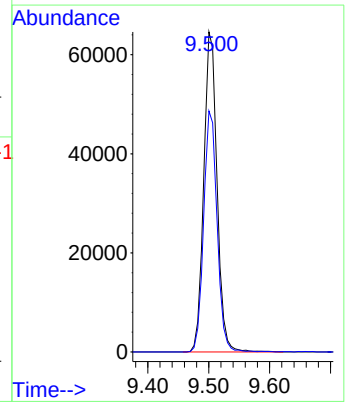


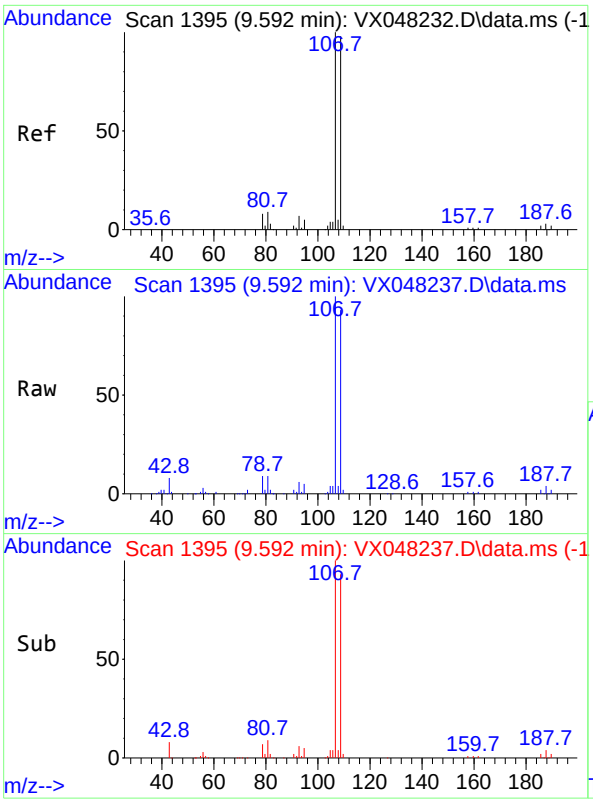




#60
Dibromochloromethane
Concen: 47.530 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:129 Resp: 97643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.2 | 38.6 | 115.7 |



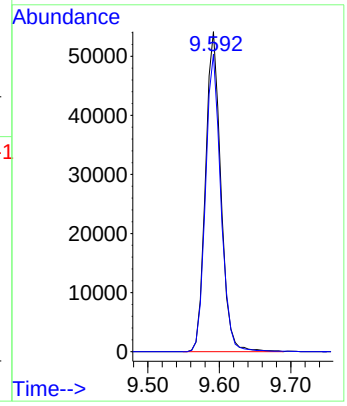


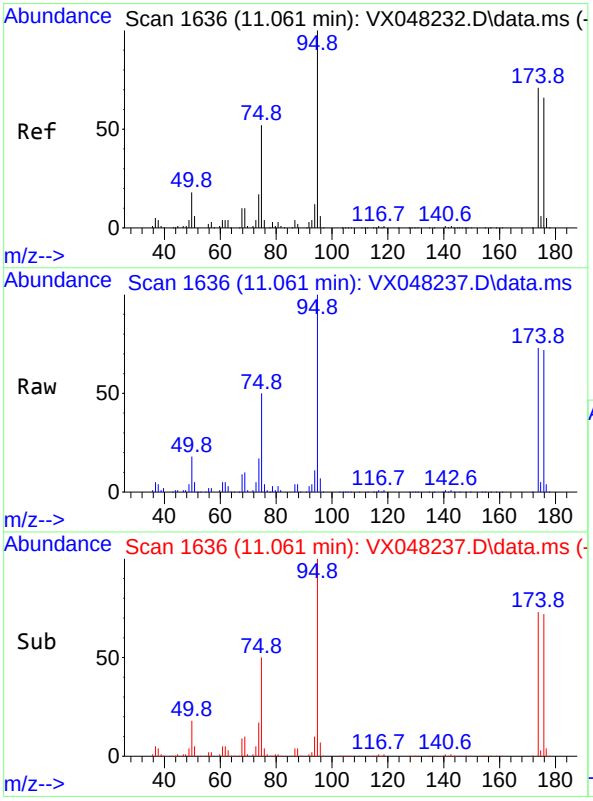

#61
1,2-Dibromoethane
Concen: 49.319 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:107 Resp: 80363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.1 | 77.0 | 115.4 |

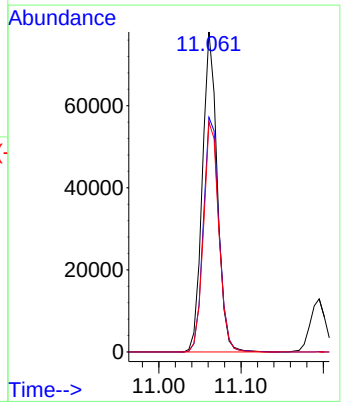


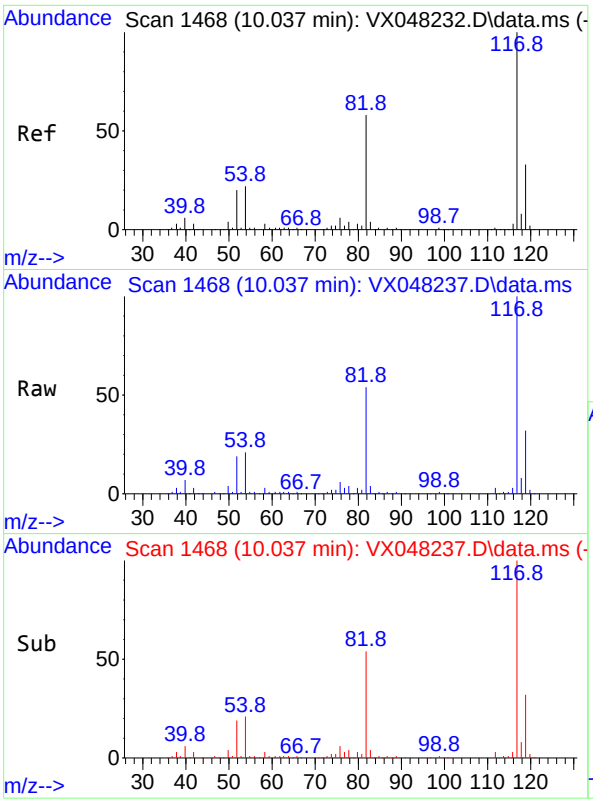




#62
4-Bromofluorobenzene
Concen: 46.795 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 95 Resp: 97828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.0 | 0.0 | 147.8 |
| 176 | 74.2 | 0.0 | 142.8 |



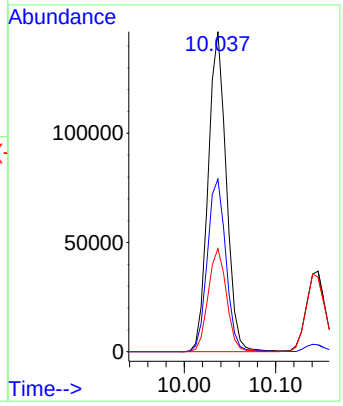


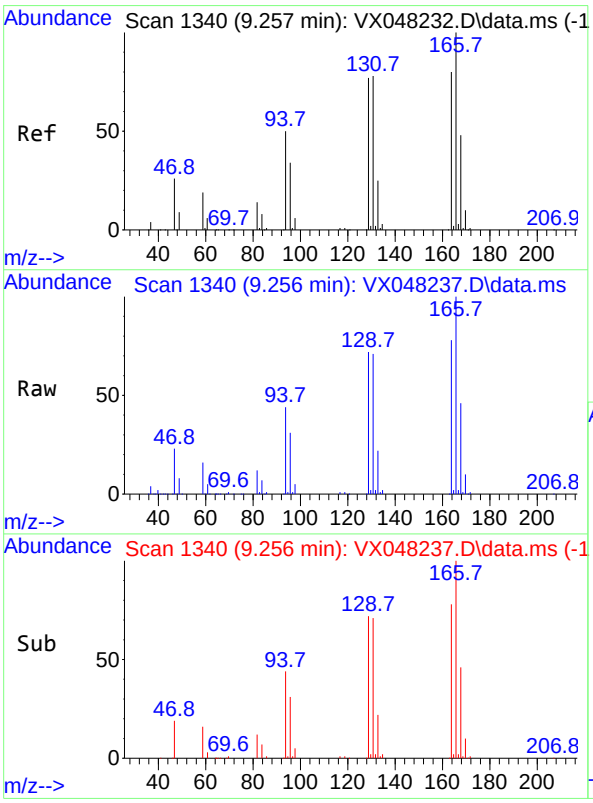

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:117 Resp: 201397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.9 | 46.5 | 69.7 |
| 119 | 32.2 | 25.9 | 38.9 |

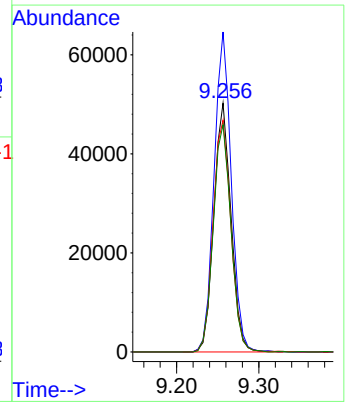


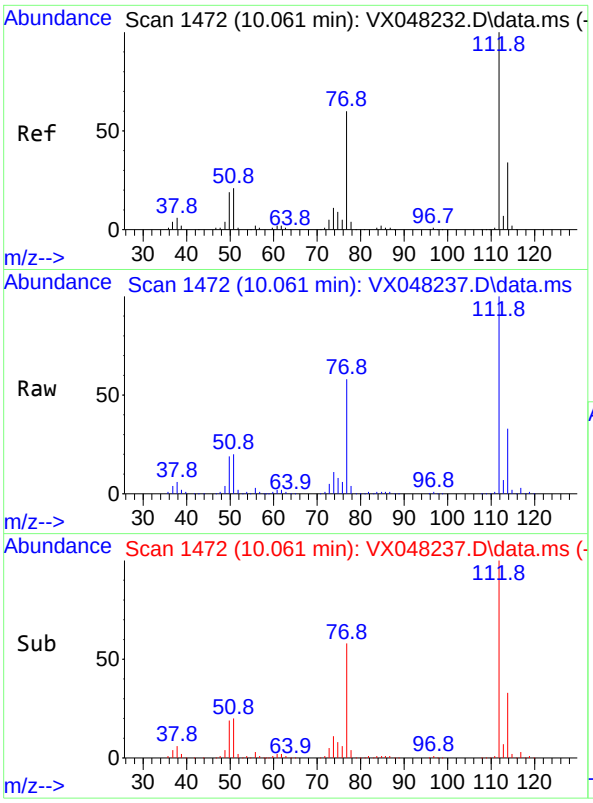




#64
Tetrachloroethene
Concen: 48.686 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:164 Resp: 73198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.6 | 104.5 | 156.7 |
| 129 | 93.1 | 81.8 | 122.6 |
| 131 | 91.3 | 77.0 | 115.6 |



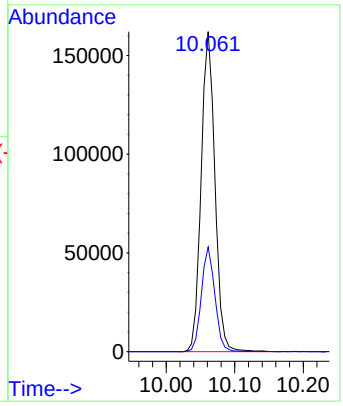


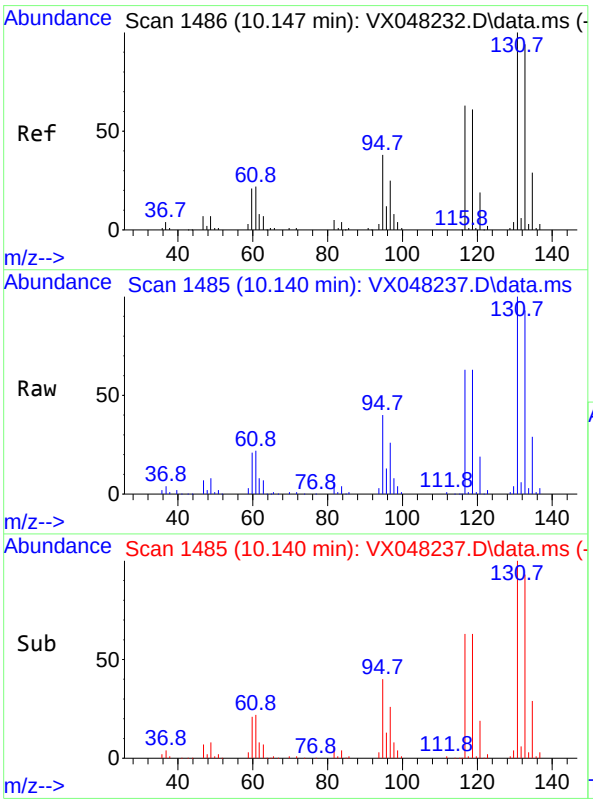

#65
Chlorobenzene
Concen: 50.095 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:112 Resp: 226953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 26.2 | 39.2 |

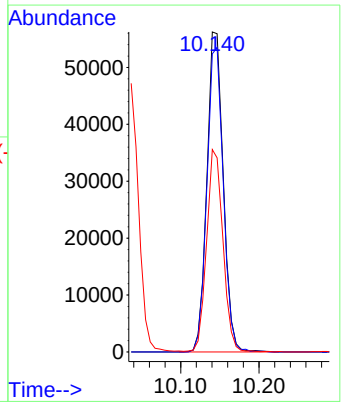


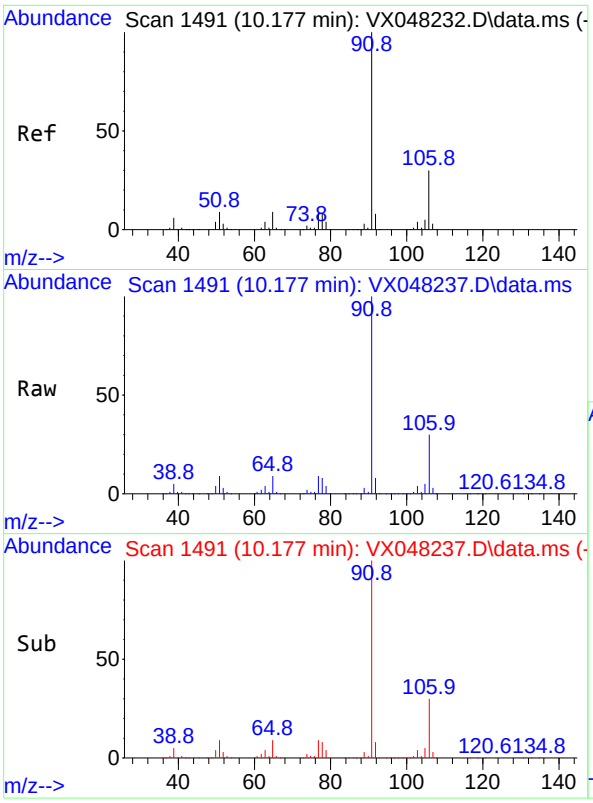




#66
1,1,1,2-Tetrachloroethane
Concen: 49.014 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:131 Resp: 81561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 47.6 | 142.8 |
| 119 | 63.3 | 32.5 | 97.5 |



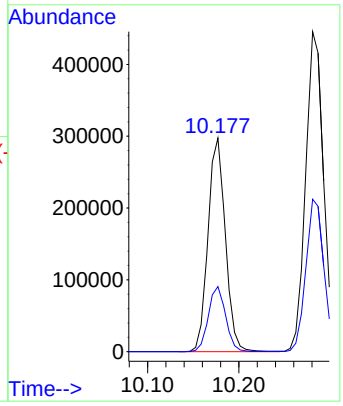


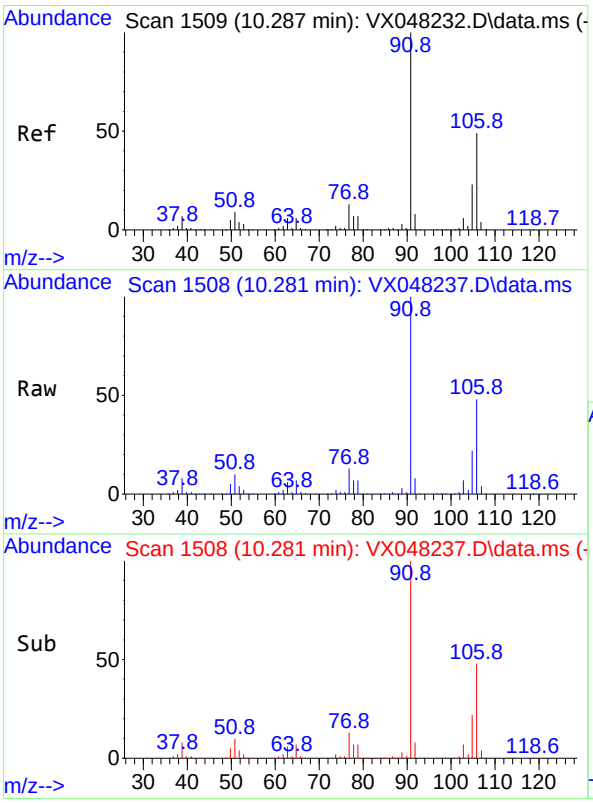

#67
Ethyl Benzene
Concen: 50.798 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 91 Resp: 391830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 23.8 | 35.6 |

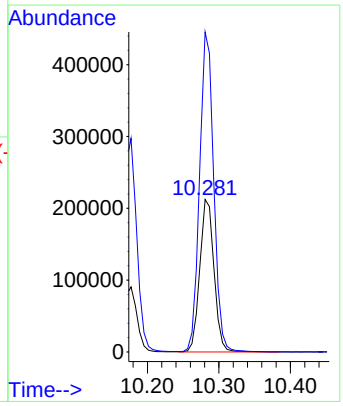


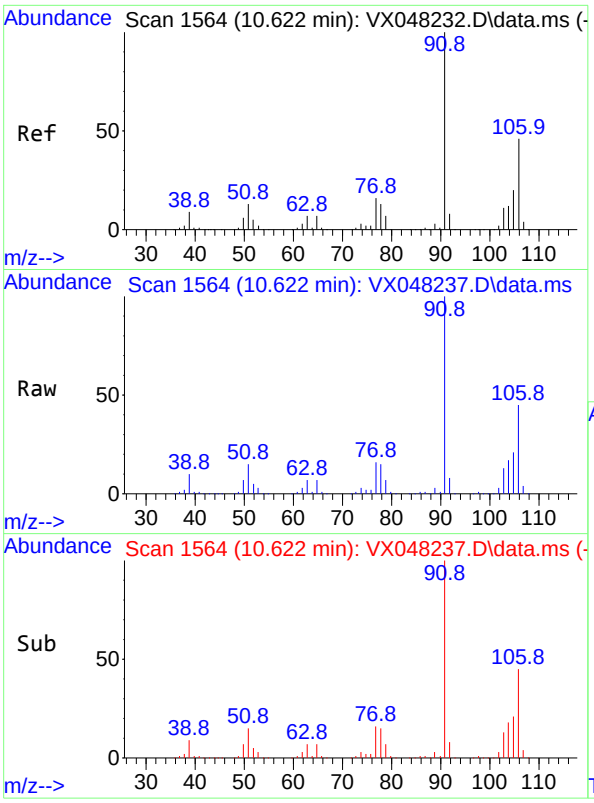




#68
m/p-Xylenes
Concen: 102.416 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:106 Resp: 293516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.2 | 167.9 | 251.9 |



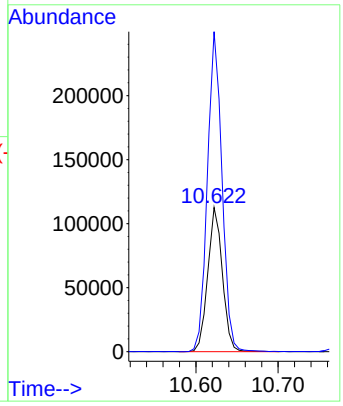


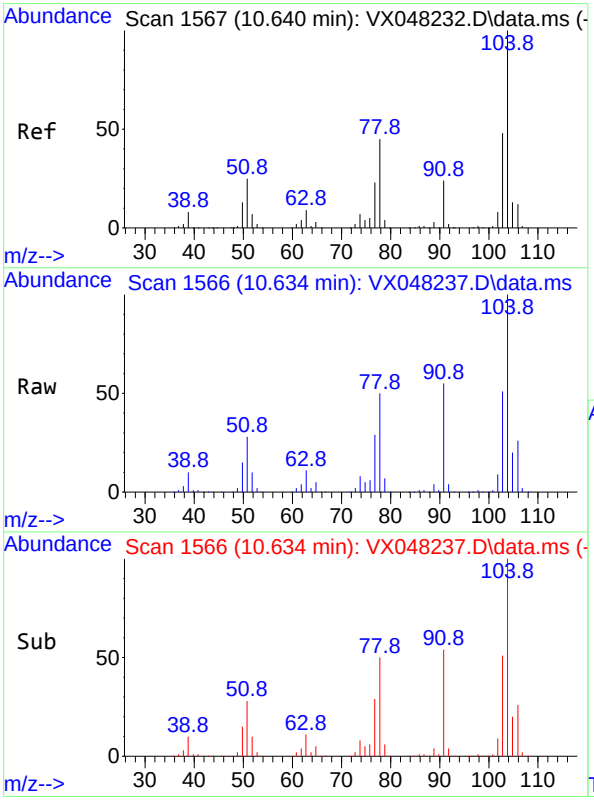

#69
o-Xylene
Concen: 50.424 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:106 Resp: 139515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.1 | 111.3 | 333.9 |

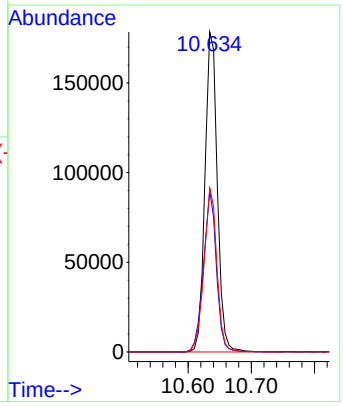


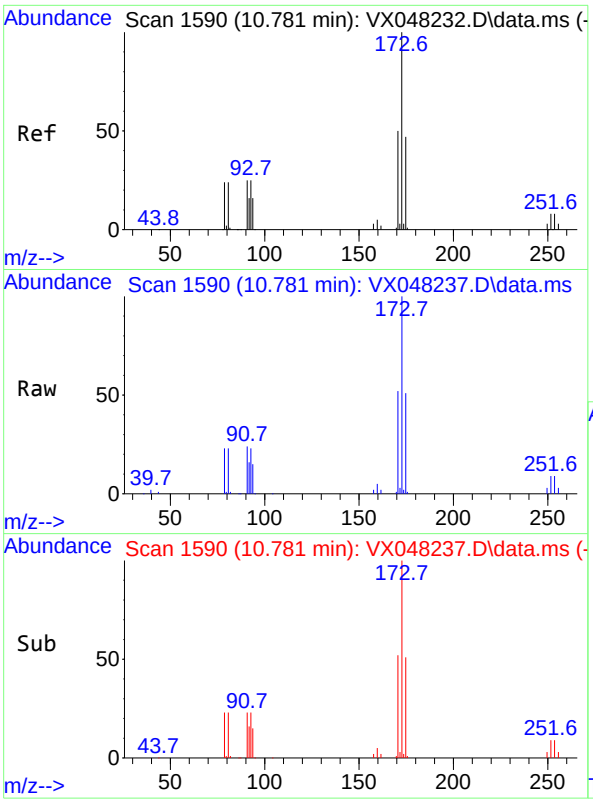




#70
Styrene
Concen: 51.651 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:104 Resp: 243341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.8 | 42.2 | 63.4 |
| 103 | 53.8 | 43.0 | 64.4 |



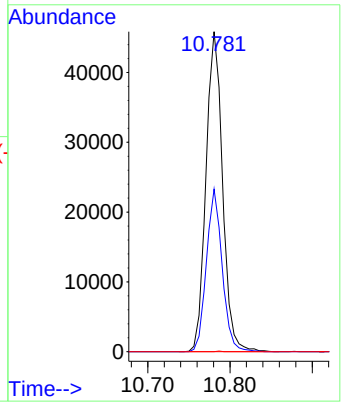


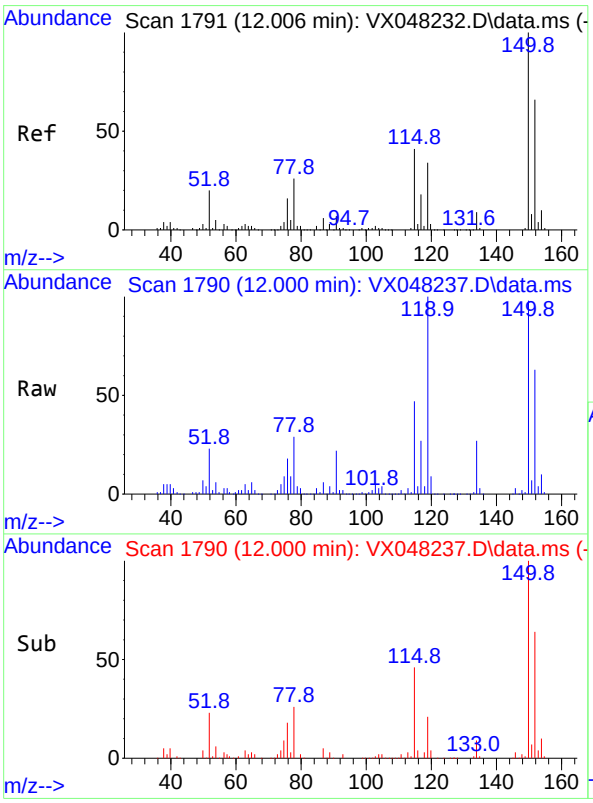

#71
Bromoform
Concen: 48.250 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:173 Resp: 64170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.0 | 72.0 |
| 254 | 0.1 | 0.0 | 0.0# |

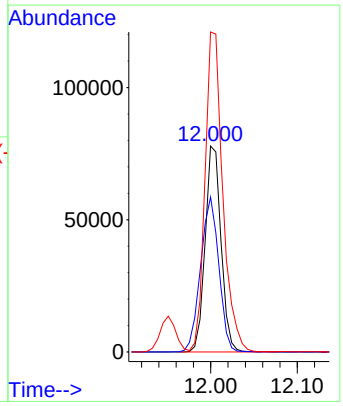


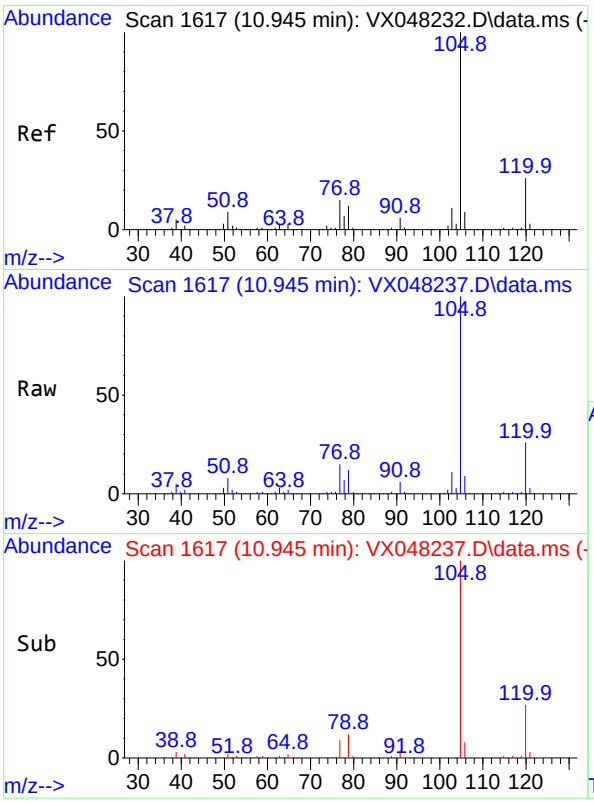




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.000 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:152 Resp: 99108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.2 | 43.1 | 129.4 |
| 150 | 173.4 | 0.0 | 353.0 |



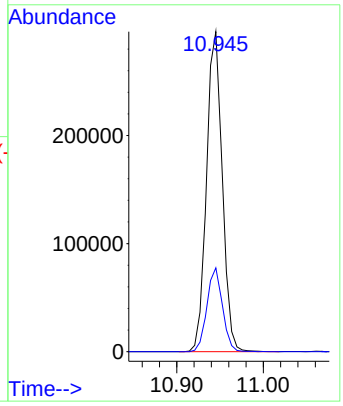


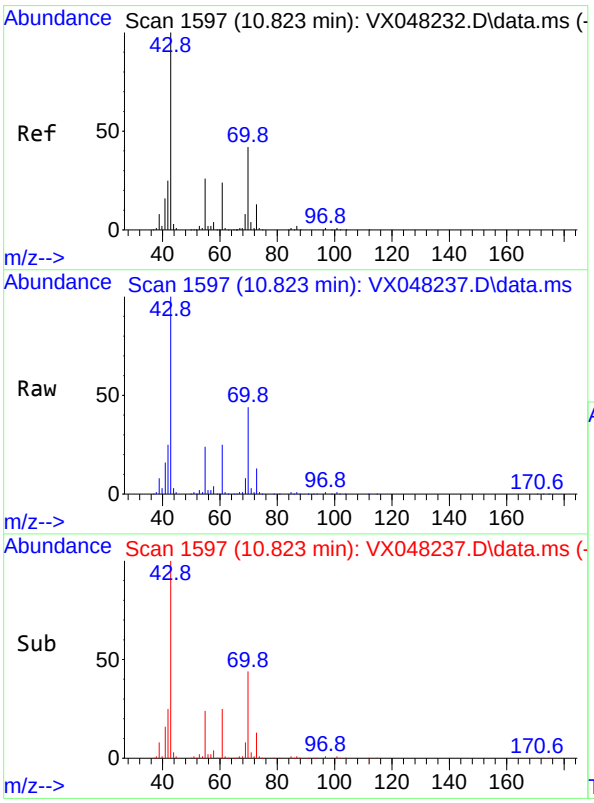

#73
Isopropylbenzene
Concen: 51.658 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:105 Resp: 373948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 13.0 | 38.9 |

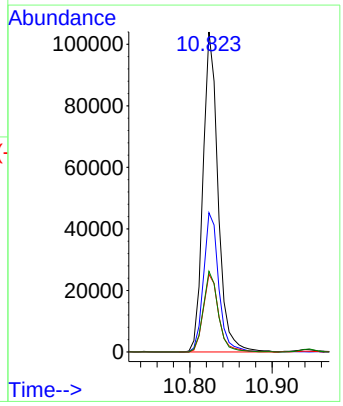


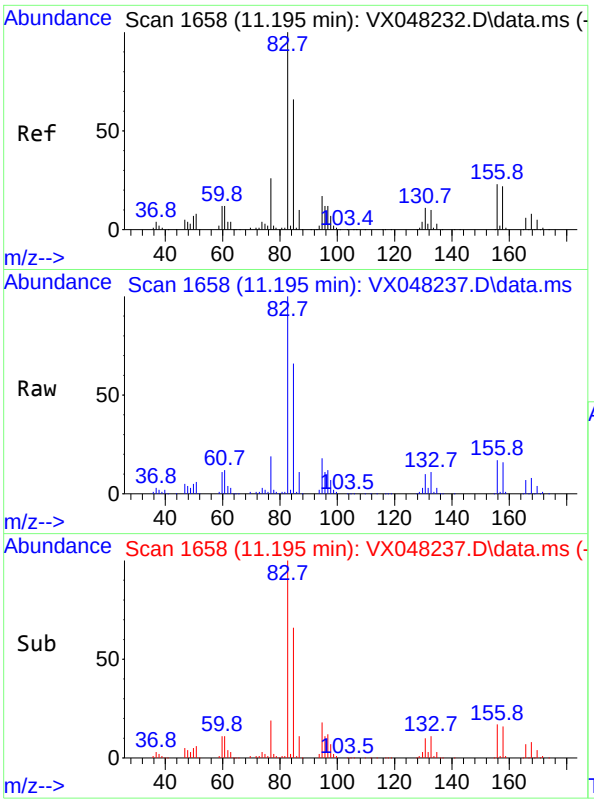




#74
N-amyl acetate
Concen: 51.399 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 131979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.1 | 32.2 | 48.2 |
| 55 | 25.0 | 19.1 | 28.7 |
| 61 | 25.1 | 18.6 | 28.0 |



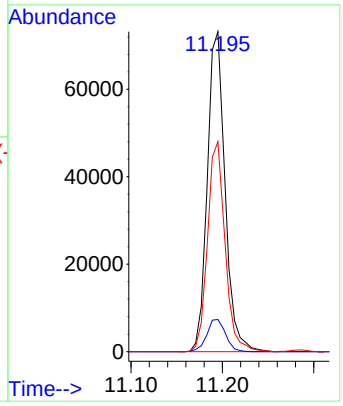


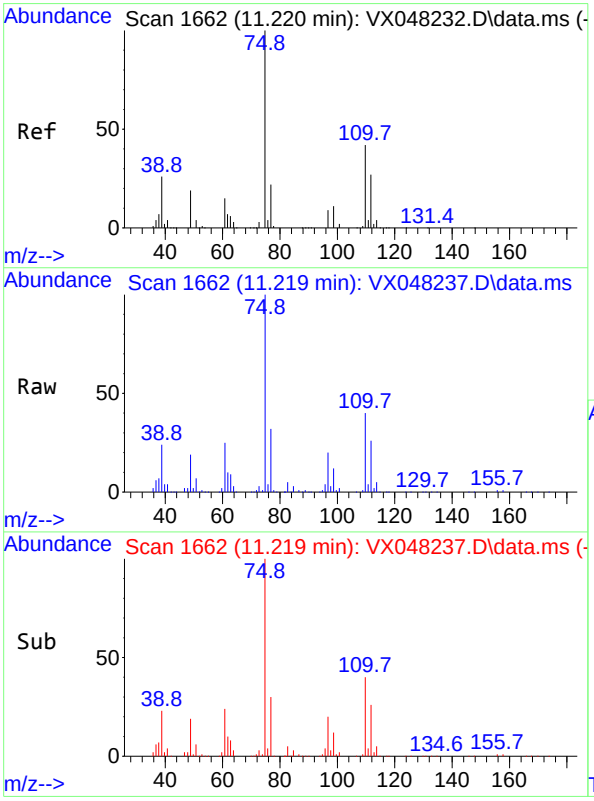

#75
1,1,2,2-Tetrachloroethane
Concen: 49.936 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 83 Resp: 98715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.6 | 4.8 | 14.4 |
| 85 | 64.8 | 31.9 | 95.7 |

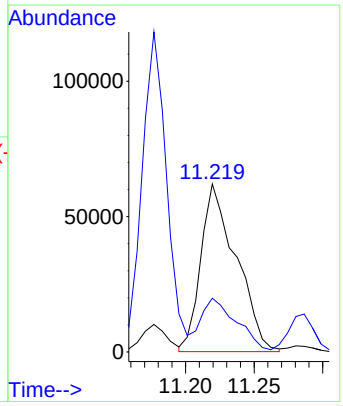


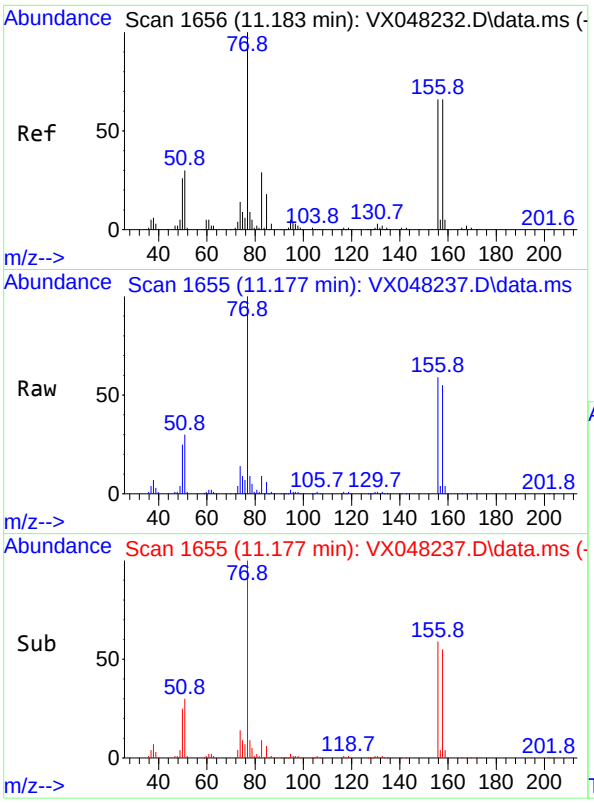




#76
1,2,3-Trichloropropane
Concen: 69.229 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 111265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 22.4 | 67.2 |



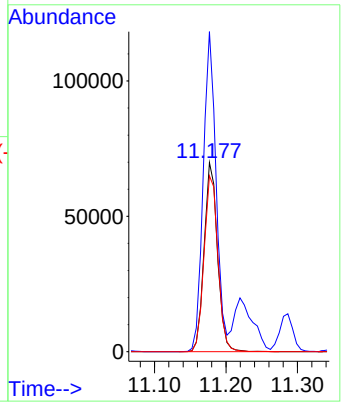


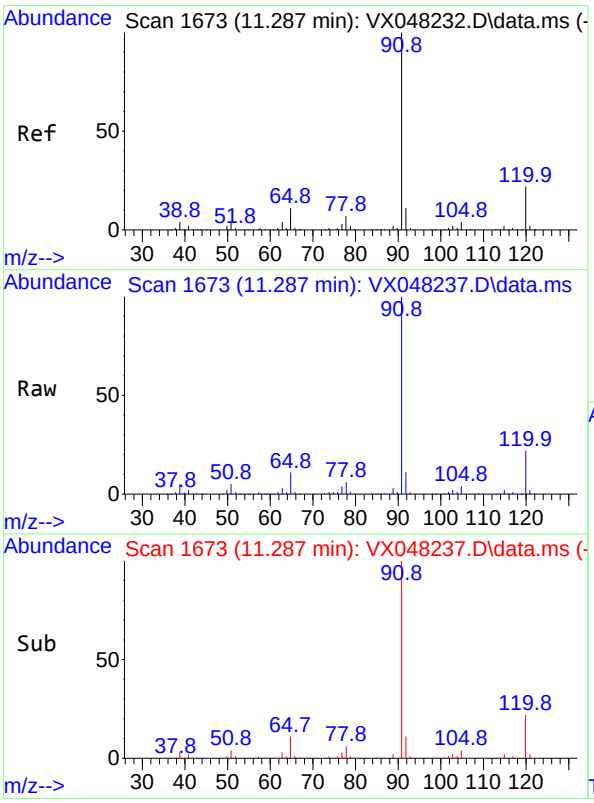

#77
Bromobenzene
Concen: 50.135 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:156 Resp: 91000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 162.5 | 87.0 | 261.0 |
| 158 | 96.4 | 47.8 | 143.4 |

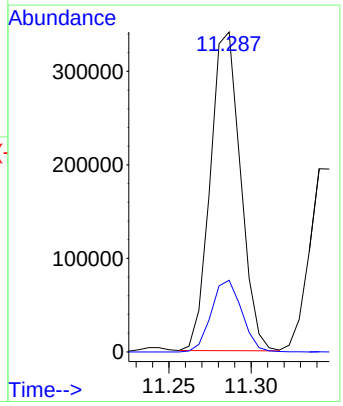


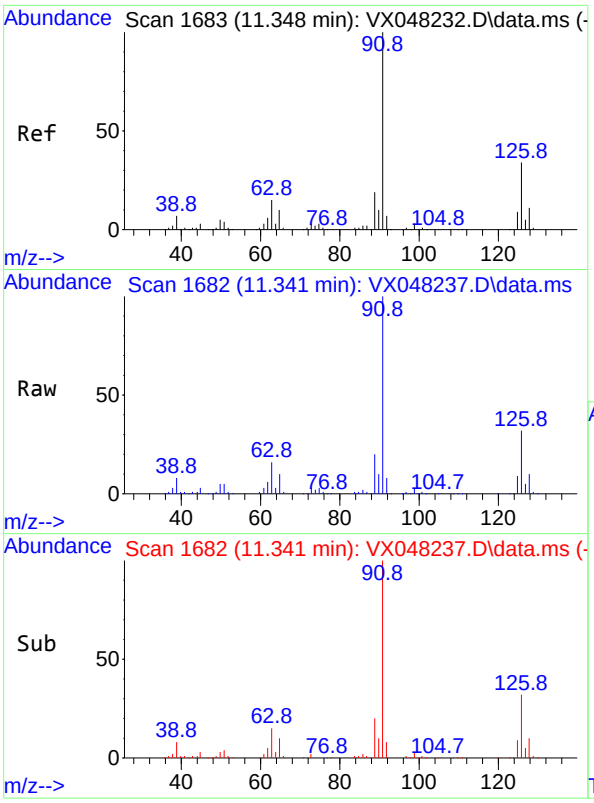




#78
n-propylbenzene
Concen: 51.980 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 91 Resp: 435662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.1 | 33.1 |



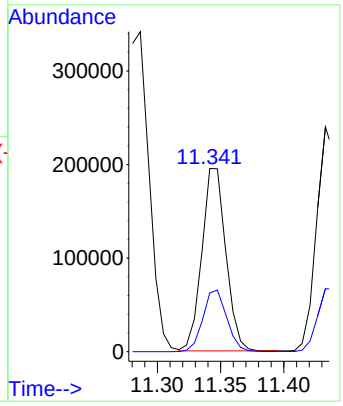


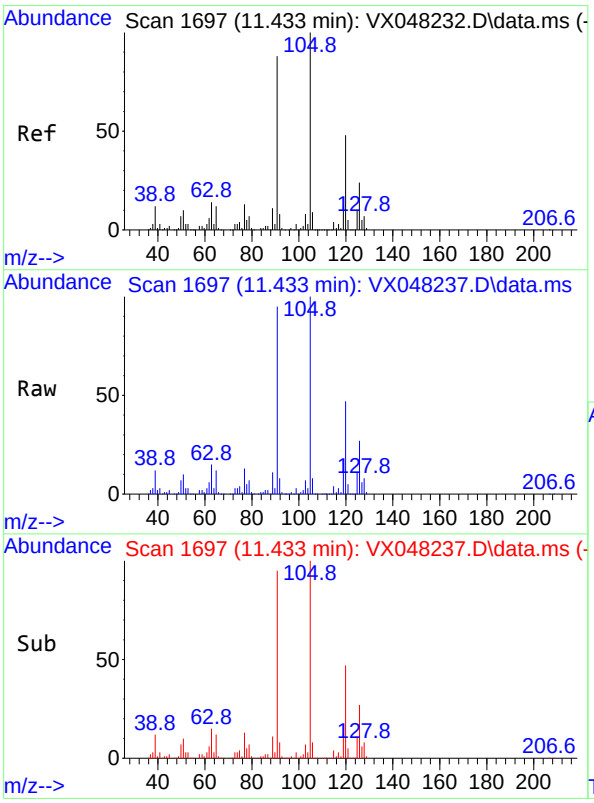

#79
2-Chlorotoluene
Concen: 50.760 ug/l
RT: 11.341 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 91 Resp: 257936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.7 | 16.4 | 49.4 |

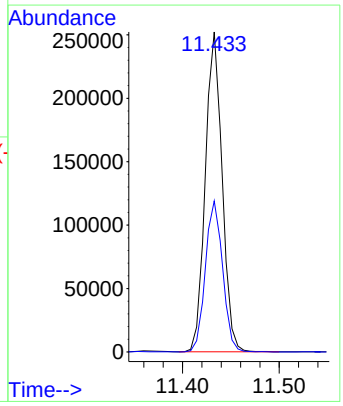


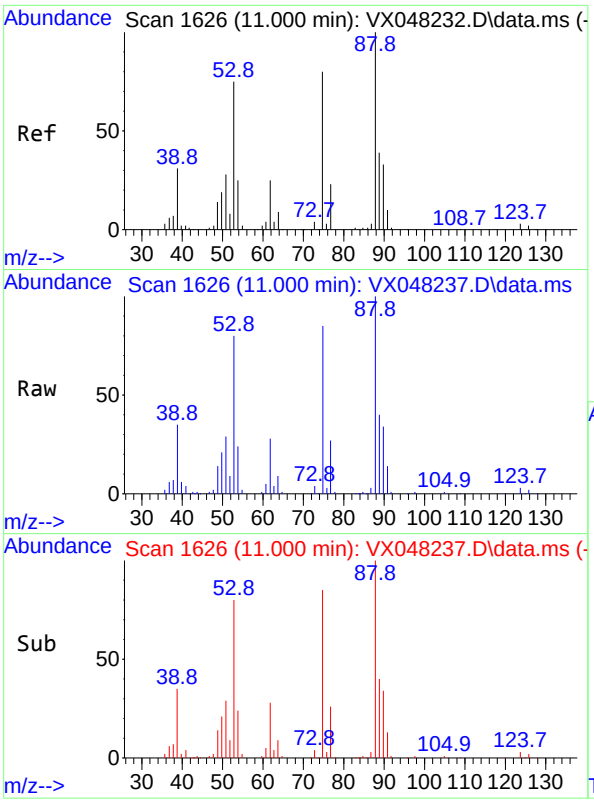




#80
1,3,5-Trimethylbenzene
Concen: 50.918 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:105 Resp: 305027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.5 | 24.0 | 72.0 |



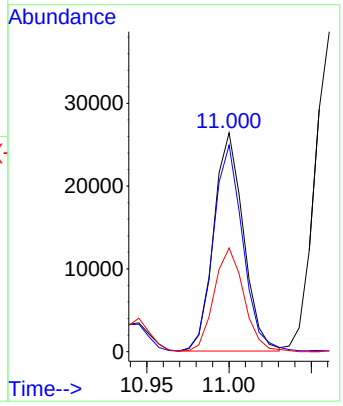


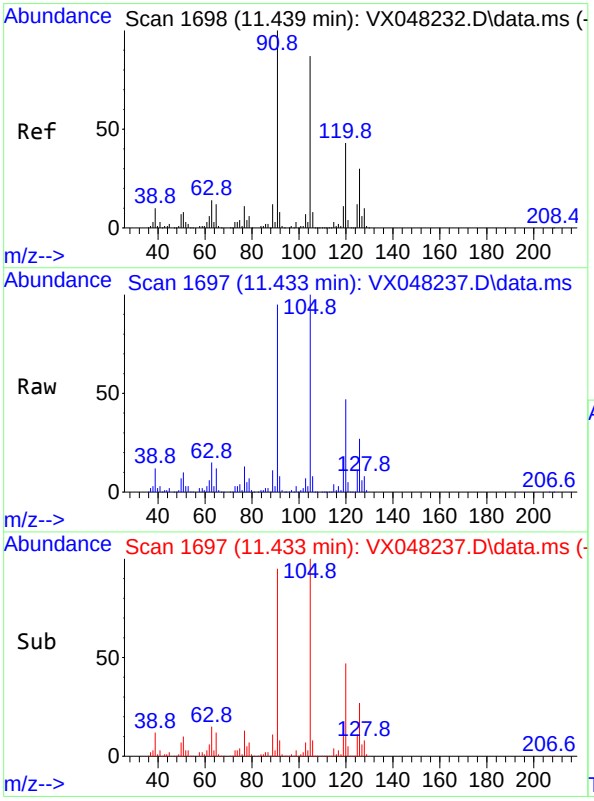

#81
trans-1,4-Dichloro-2-butene
Concen: 49.995 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 75 Resp: 33027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 95.4 | 79.5 | 119.3 |
| 89 | 48.1 | 36.8 | 55.2 |

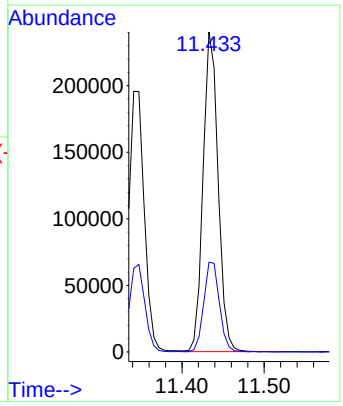


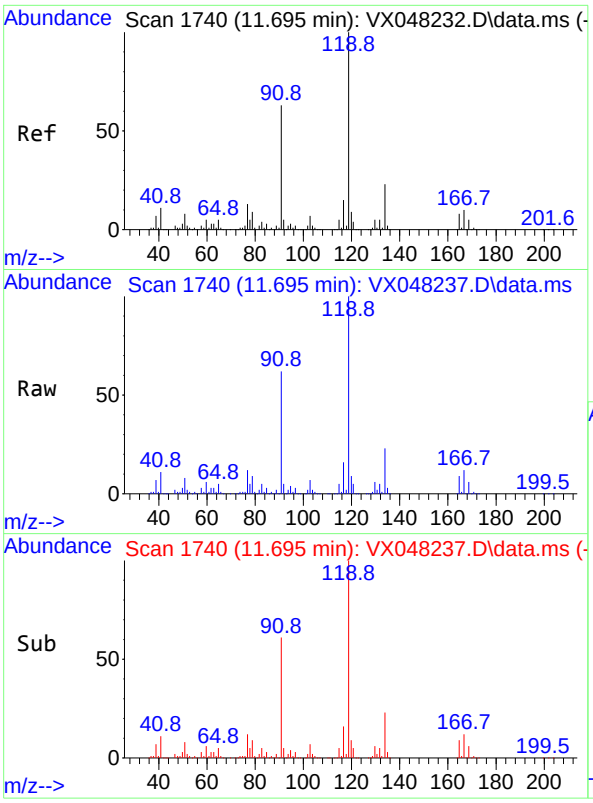




#82
4-Chlorotoluene
Concen: 50.507 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 91 Resp: 304670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.5 | 14.1 | 42.4 |



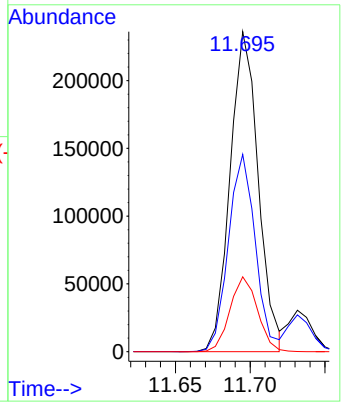


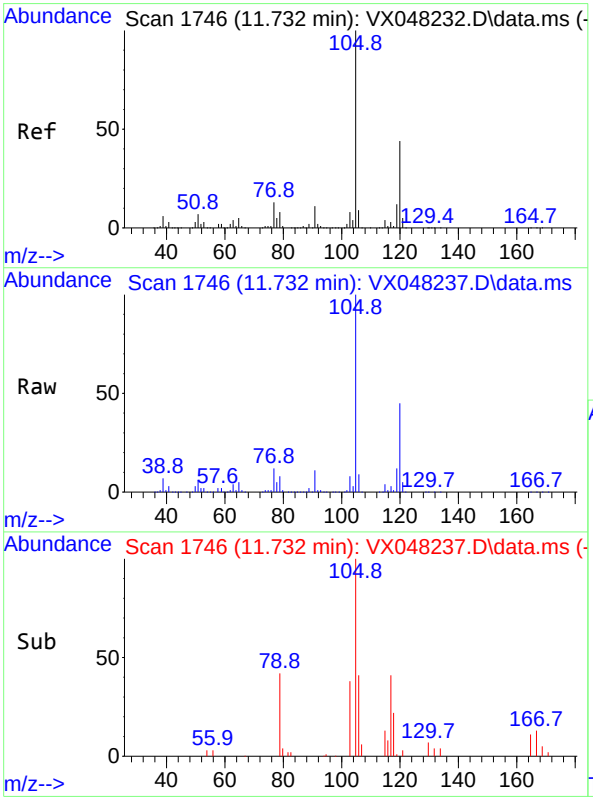

#83
tert-Butylbenzene
Concen: 50.288 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:119 Resp: 309524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.2 | 30.3 | 91.0 |
| 134 | 22.9 | 11.4 | 34.2 |

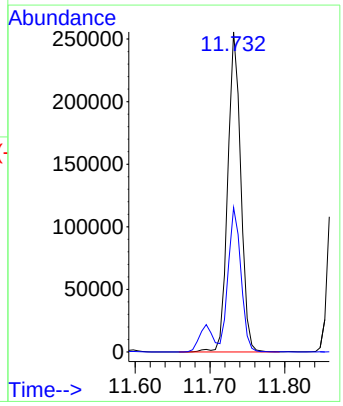


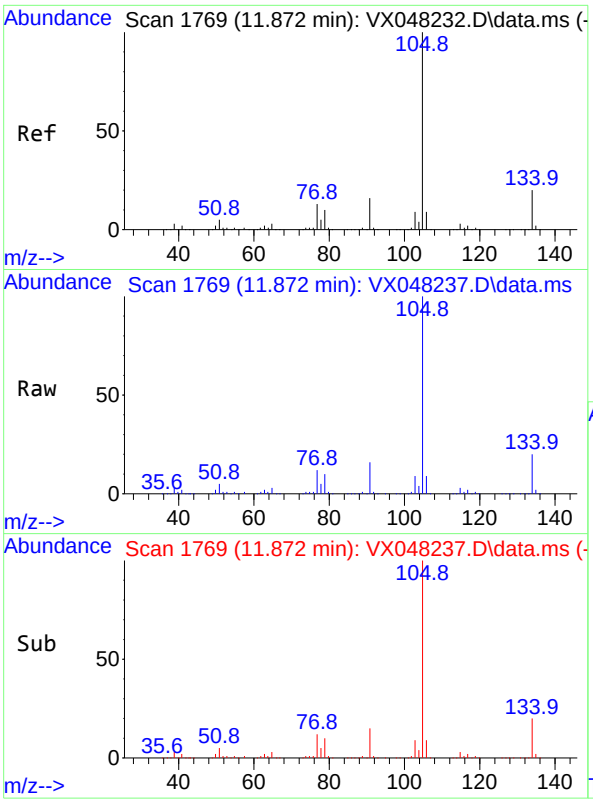




#84
1,2,4-Trimethylbenzene
Concen: 51.607 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:105 Resp: 308529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.5 |



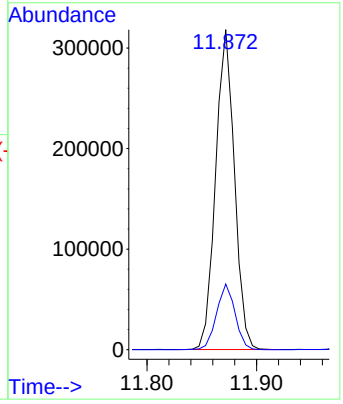


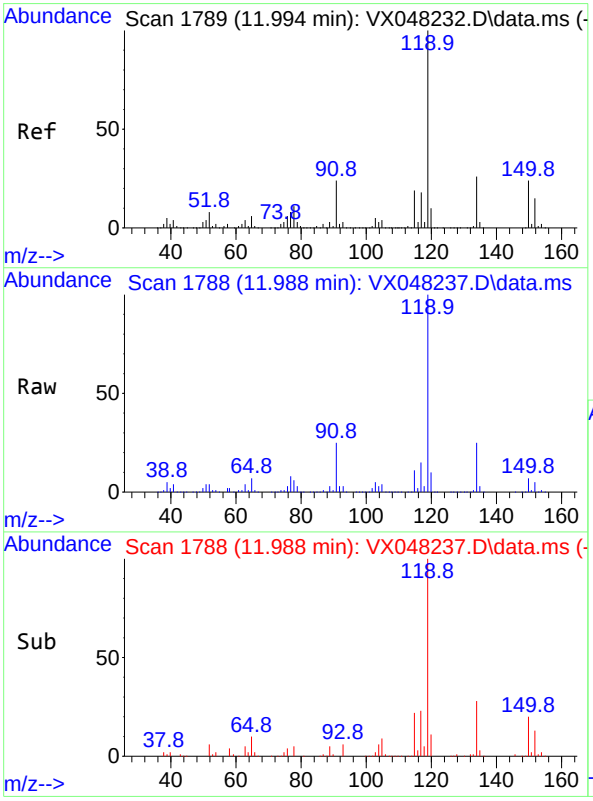

#85
sec-Butylbenzene
Concen: 51.230 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:105 Resp: 379368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 10.1 | 30.1 |

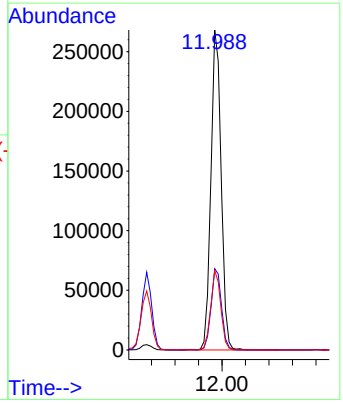


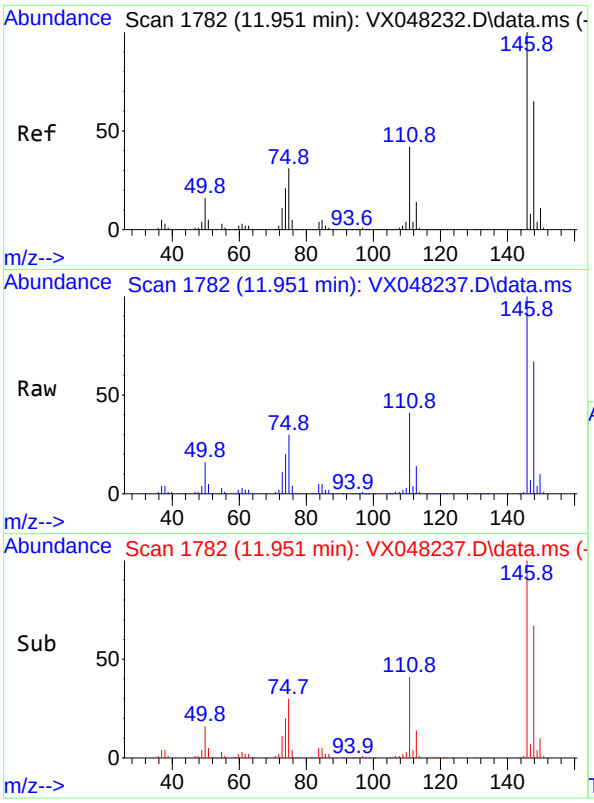




#86
p-Isopropyltoluene
Concen: 50.686 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:119 Resp: 324425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 13.0 | 39.0 |
| 91 | 24.3 | 12.1 | 36.3 |



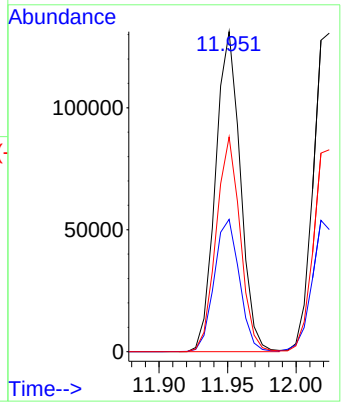


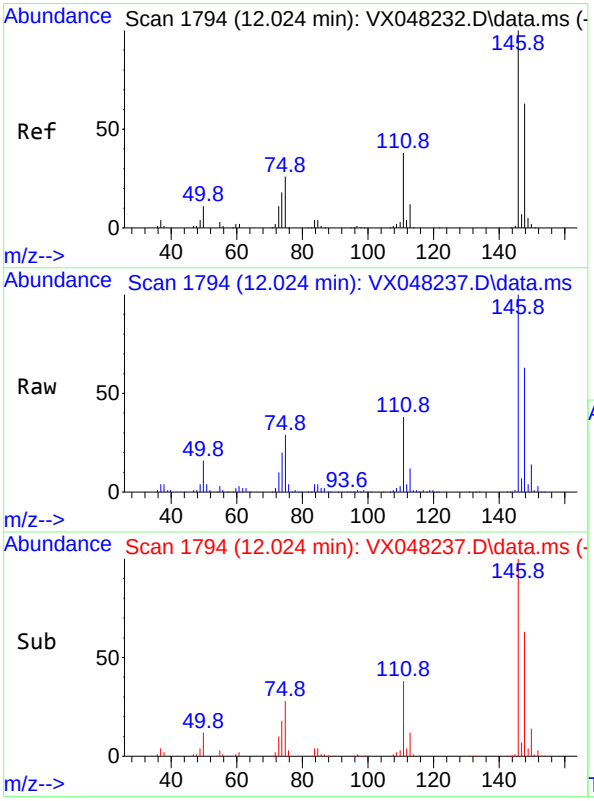

#87
1,3-Dichlorobenzene
Concen: 48.229 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:146 Resp: 165027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 20.4 | 61.2 |
| 148 | 65.3 | 31.9 | 95.9 |

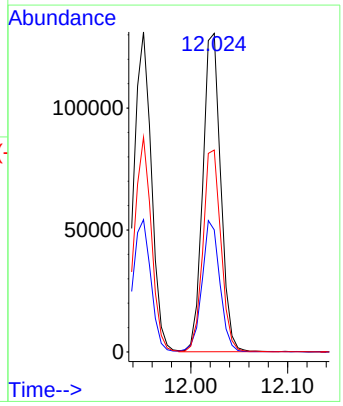


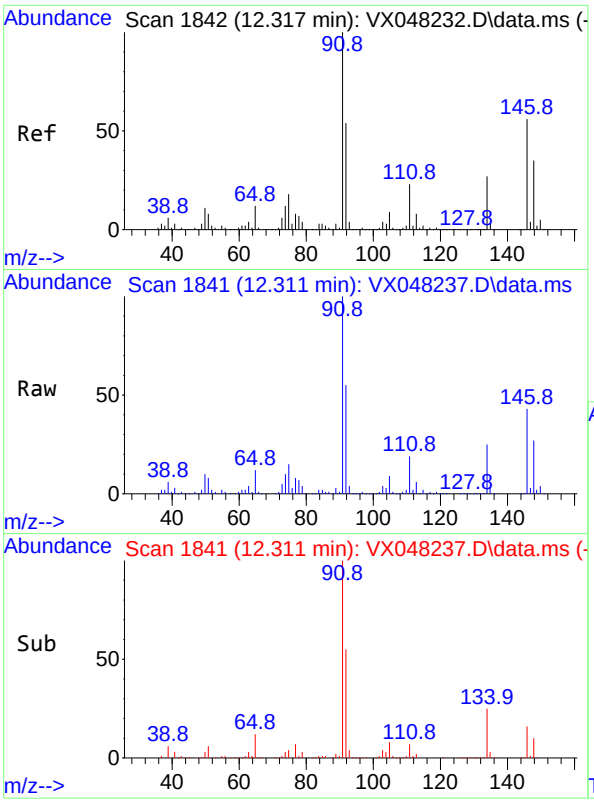




#88
1,4-Dichlorobenzene
Concen: 47.423 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:146 Resp: 168102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 20.1 | 60.2 |
| 148 | 63.9 | 31.8 | 95.3 |



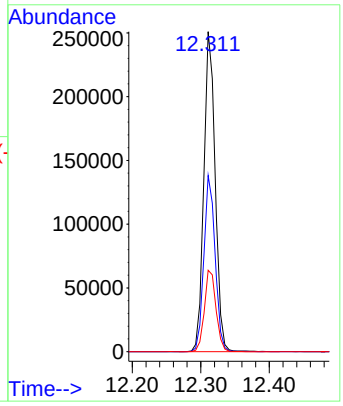


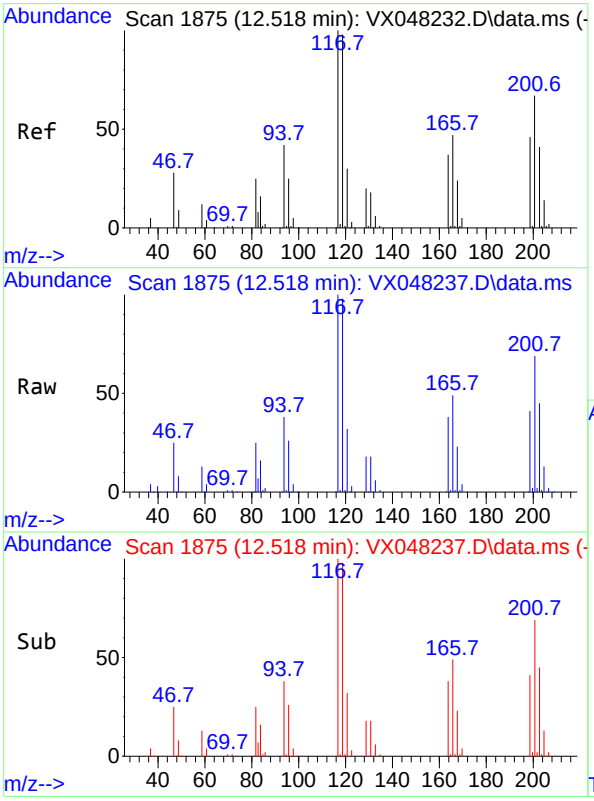

#89
n-Butylbenzene
Concen: 49.728 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion: 91 Resp: 289706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.7 | 26.9 | 80.6 |
| 134 | 26.1 | 12.7 | 38.1 |

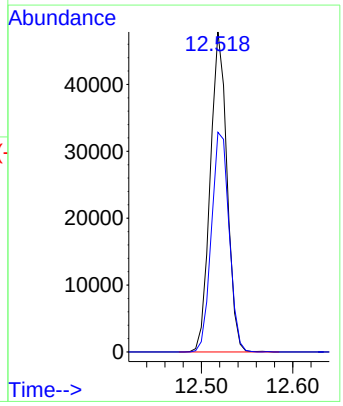


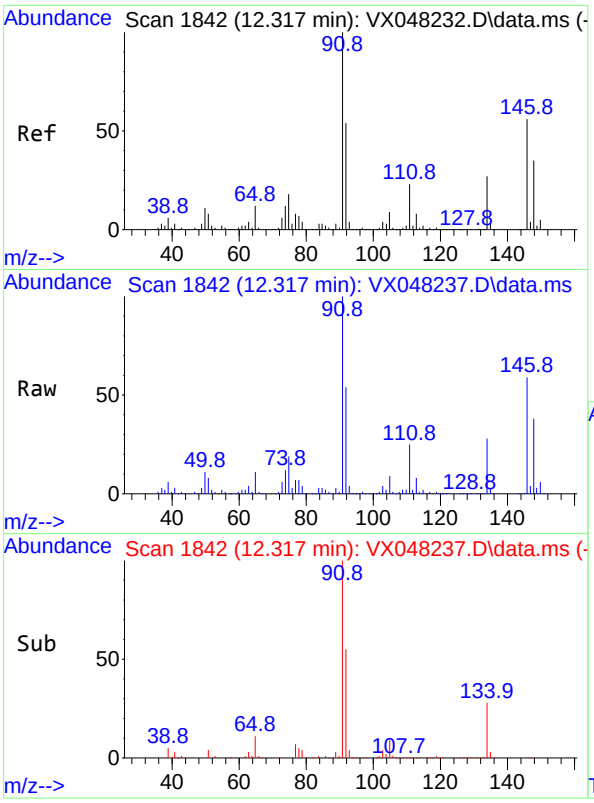




#90
Hexachloroethane
Concen: 48.437 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:117 Resp: 61223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.4 | 34.1 | 102.2 |



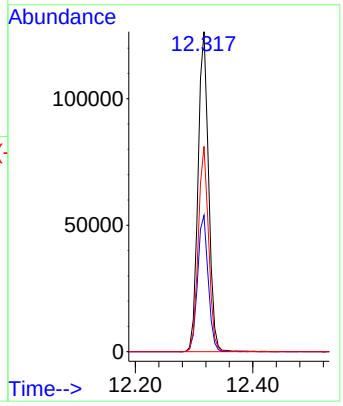


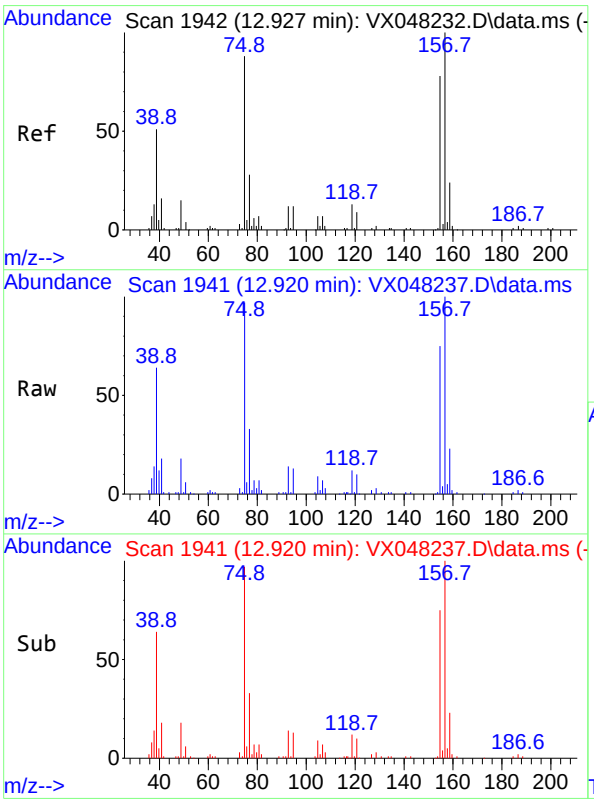

#91
1,2-Dichlorobenzene
Concen: 49.123 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:146 Resp: 157812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 21.9 | 65.5 |
| 148 | 62.8 | 31.9 | 95.5 |

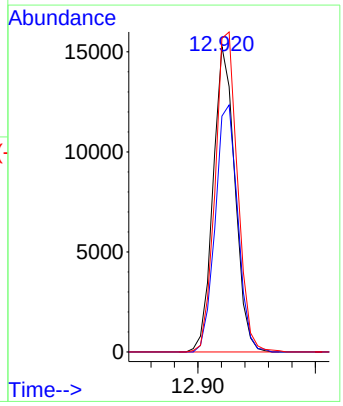


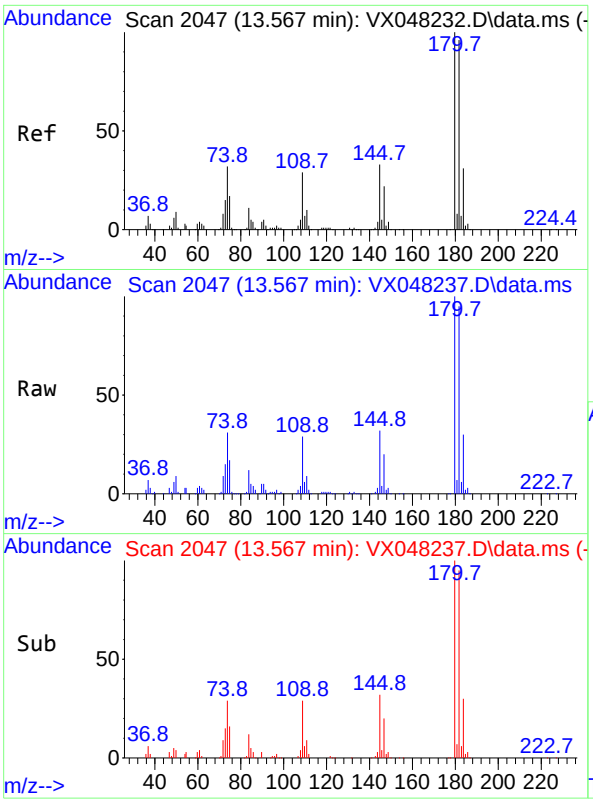




#92
1,2-Dibromo-3-Chloropropane
Concen: 49.072 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 19691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.2 | 42.8 | 128.4 |
| 157 | 107.6 | 54.2 | 162.6 |



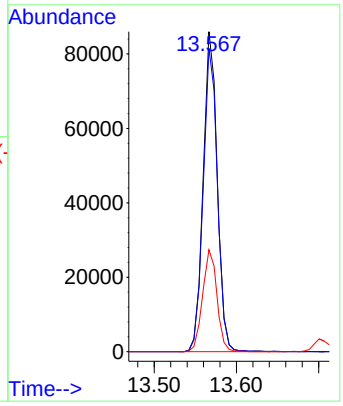


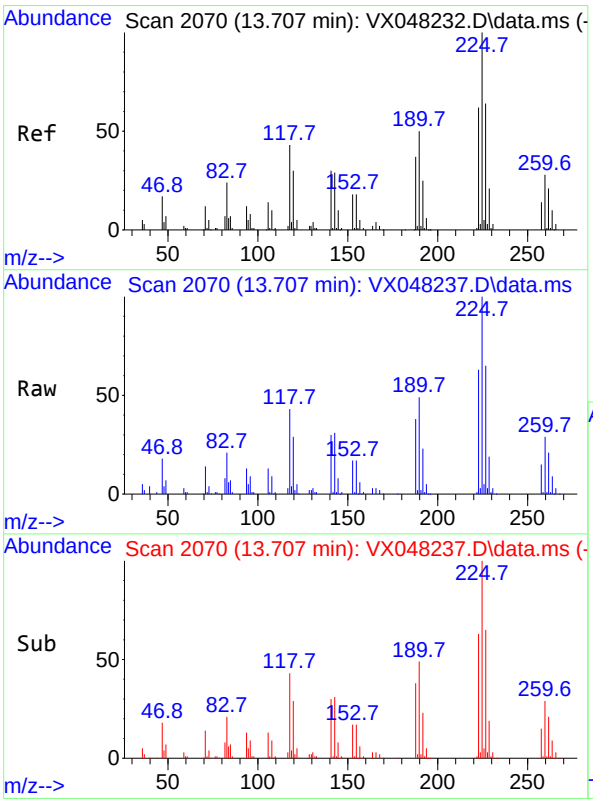

#93
1,2,4-Trichlorobenzene
Concen: 46.941 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:180 Resp: 101983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 47.3 | 142.0 |
| 145 | 32.5 | 16.3 | 48.9 |

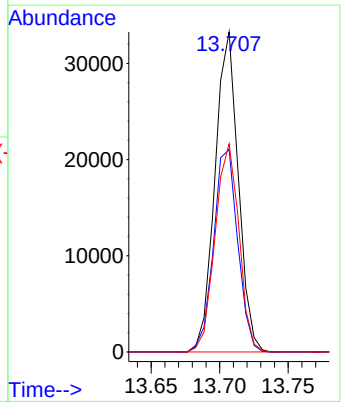


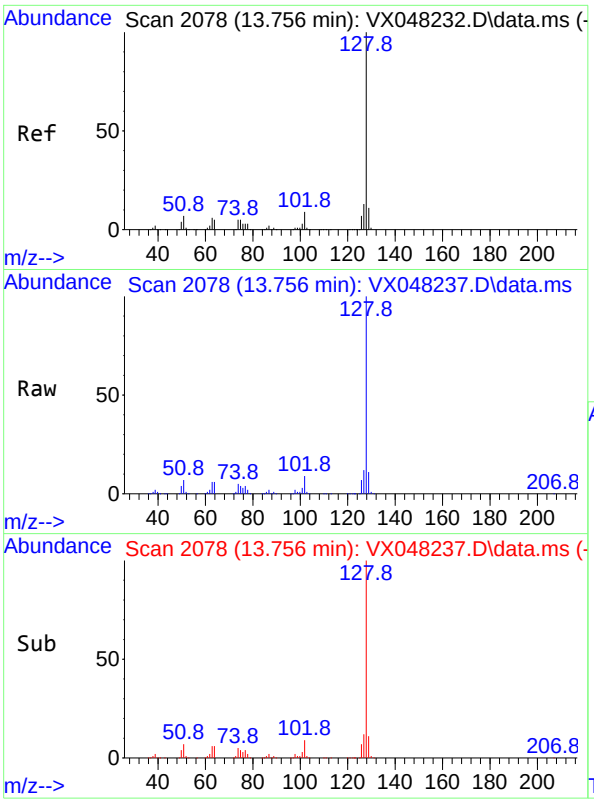




#94
Hexachlorobutadiene
Concen: 48.274 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:225 Resp: 39299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.8 | 32.6 | 97.7 |
| 227 | 66.5 | 32.5 | 97.4 |



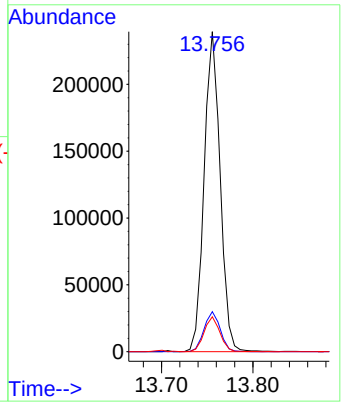


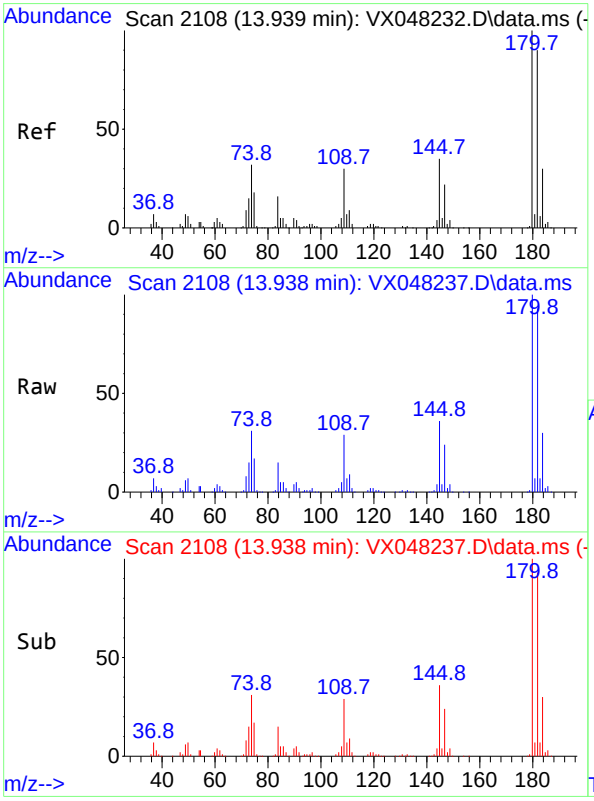

#95
Naphthalene
Concen: 50.362 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX102025

Tgt Ion:128 Resp: 289882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.4 |
| 129 | 10.8 | 8.6 | 12.8 |

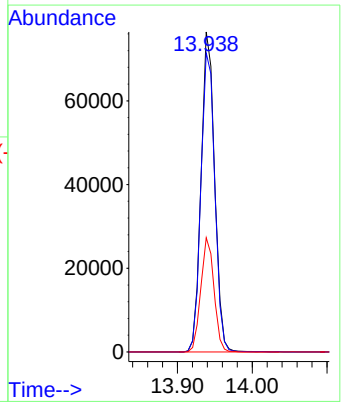



#96
1,2,3-Trichlorobenzene
Concen: 48.223 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:180 Resp: 96139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 46.6 | 139.7 |
| 145 | 34.8 | 16.9 | 50.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048240.D
Acq On : 20 Oct 2025 15:50
Operator : JC/MD
Sample : VX1020WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Quant Time: Oct 25 03:39:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 134660 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 221833 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 200515 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 101575 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 97664 | 51.728 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 103.460% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 77595 | 51.237 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.480% | | | |
| 50) Toluene-d8 | 8.628 | 98 | 275727 | 51.943 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 103.880% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 103135 | 51.072 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 102.140% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 24708 | 17.848 | ug/l | 95 |
| 3) Chloromethane | 1.300 | 50 | 25077 | 19.407 | ug/l | 95 |
| 4) Vinyl Chloride | 1.380 | 62 | 22981 | 19.206 | ug/l | 94 |
| 5) Bromomethane | 1.617 | 94 | 17486 | 21.534 | ug/l | 98 |
| 6) Chloroethane | 1.697 | 64 | 14806 | 21.058 | ug/l | 90 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 42803 | 18.652 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 12617 | 19.540 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 26596 | 18.302 | ug/l | 96 |
| 10) Methyl Iodide | 2.453 | 142 | 31308 | 17.138 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.940 | 59 | 17139 | 91.429 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 27320 | 19.324 | ug/l | 91 |
| 13) Acrolein | 2.233 | 56 | 21046 | 110.081 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 45510 | 19.389 | ug/l | 97 |
| 15) Acrylonitrile | 3.056 | 53 | 63454 | 93.873 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 55537 | 85.745 | ug/l | 99 |
| 17) Carbon Disulfide | 2.514 | 76 | 79653 | 17.877 | ug/l | 99 |
| 18) Methyl Acetate | 2.696 | 43 | 26712 | 19.748 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 90374 | 18.738 | ug/l | 95 |
| 20) Methylene Chloride | 2.788 | 84 | 31460 | 19.934 | ug/l | 91 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 30232 | 19.468 | ug/l | 91 |
| 22) Diisopropyl ether | 3.751 | 45 | 94293 | 20.141 | ug/l | 91 |
| 23) Vinyl Acetate | 3.708 | 43 | 367791 | 98.349 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 53132 | 18.769 | ug/l | 96 |
| 25) 2-Butanone | 4.532 | 43 | 75407 | 91.980 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.458 | 77 | 45475 | 17.798 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 34657 | 19.122 | ug/l | 99 |
| 28) Bromochloromethane | 4.885 | 49 | 25158 | 21.434 | ug/l | 84 |
| 29) Tetrahydrofuran | 4.989 | 42 | 46399 | 94.500 | ug/l | 93 |
| 30) Chloroform | 5.074 | 83 | 58330 | 19.287 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 43852 | 18.711 | ug/l | 86 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 52467 | 18.824 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 39432 | 18.319 | ug/l | 98 |
| 37) Ethyl Acetate | 4.696 | 43 | 32030 | 17.952 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.659 | 117 | 46868 | 17.648 | ug/l | 95 |
| 39) Methylcyclohexane | 7.360 | 83 | 44057 | 17.331 | ug/l | 95 |
| 40) Benzene | 6.019 | 78 | 117785 | 18.847 | ug/l | 96 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048240.D
Acq On : 20 Oct 2025 15:50
Operator : JC/MD
Sample : VX1020WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Quant Time: Oct 25 03:39:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.903 | 41 | 18270 | 19.499 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 43384 | 18.813 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.318 | 43 | 55493 | 18.935 | ug/l | | 97 |
| 44) Trichloroethene | 7.110 | 130 | 31625 | 19.165 | ug/l | | 95 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 28870 | 19.430 | ug/l | | 99 |
| 46) Dibromomethane | 7.561 | 93 | 21882 | 18.903 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.805 | 83 | 47249 | 18.904 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.677 | 41 | 27258 | 18.432 | ug/l | | 95 |
| 49) 1,4-Dioxane | 7.641 | 88 | 7038 | 360.230 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 160265 | 94.846 | ug/l | | 97 |
| 52) Toluene | 8.701 | 92 | 76478 | 19.263 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 45485 | 18.884 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 49253 | 18.953 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 28845 | 19.537 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.098 | 69 | 40543 | 18.774 | ug/l | | 92 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 48615 | 19.277 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 100252 | 87.448 | ug/l | | 95 |
| 59) 2-Hexanone | 9.415 | 43 | 111445 | 94.586 | ug/l | | 97 |
| 60) Dibromochloromethane | 9.500 | 129 | 36715 | 18.502 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 30136 | 19.146 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.256 | 164 | 26462 | 17.678 | ug/l | | 96 |
| 65) Chlorobenzene | 10.061 | 112 | 85866 | 19.036 | ug/l | | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 31130 | 18.790 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 141796 | 18.464 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 109872 | 38.506 | ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 51473 | 18.685 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 89782 | 19.141 | ug/l | | 100 |
| 71) Bromoform | 10.780 | 173 | 24689 | 18.645 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 135441 | 18.256 | ug/l | | 98 |
| 74) N-amyl acetate | 10.823 | 43 | 47216 | 17.942 | ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 38478 | 18.992 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 39314 | 23.867 | ug/l | | 87 |
| 77) Bromobenzene | 11.183 | 156 | 35128 | 18.883 | ug/l | | 92 |
| 78) n-propylbenzene | 11.286 | 91 | 159455 | 18.563 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 95469 | 18.331 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 114180 | 18.597 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 11508 | 16.997 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 117079 | 18.938 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 116521 | 18.471 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 113408 | 18.509 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 136883 | 18.036 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 118427 | 18.053 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 63018 | 17.970 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 65076 | 17.912 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.311 | 91 | 102164 | 17.110 | ug/l | | 100 |
| 90) Hexachloroethane | 12.518 | 117 | 22644 | 17.480 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 60180 | 18.277 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.926 | 75 | 7243 | 17.612 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.566 | 180 | 35892 | 16.119 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 14244 | 17.115 | ug/l | | 97 |
| 95) Naphthalene | 13.755 | 128 | 102306 | 17.342 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 34331 | 16.802 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048240.D
Acq On : 20 Oct 2025 15:50
Operator : JC/MD
Sample : VX1020WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Quant Time: Oct 25 03:39:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

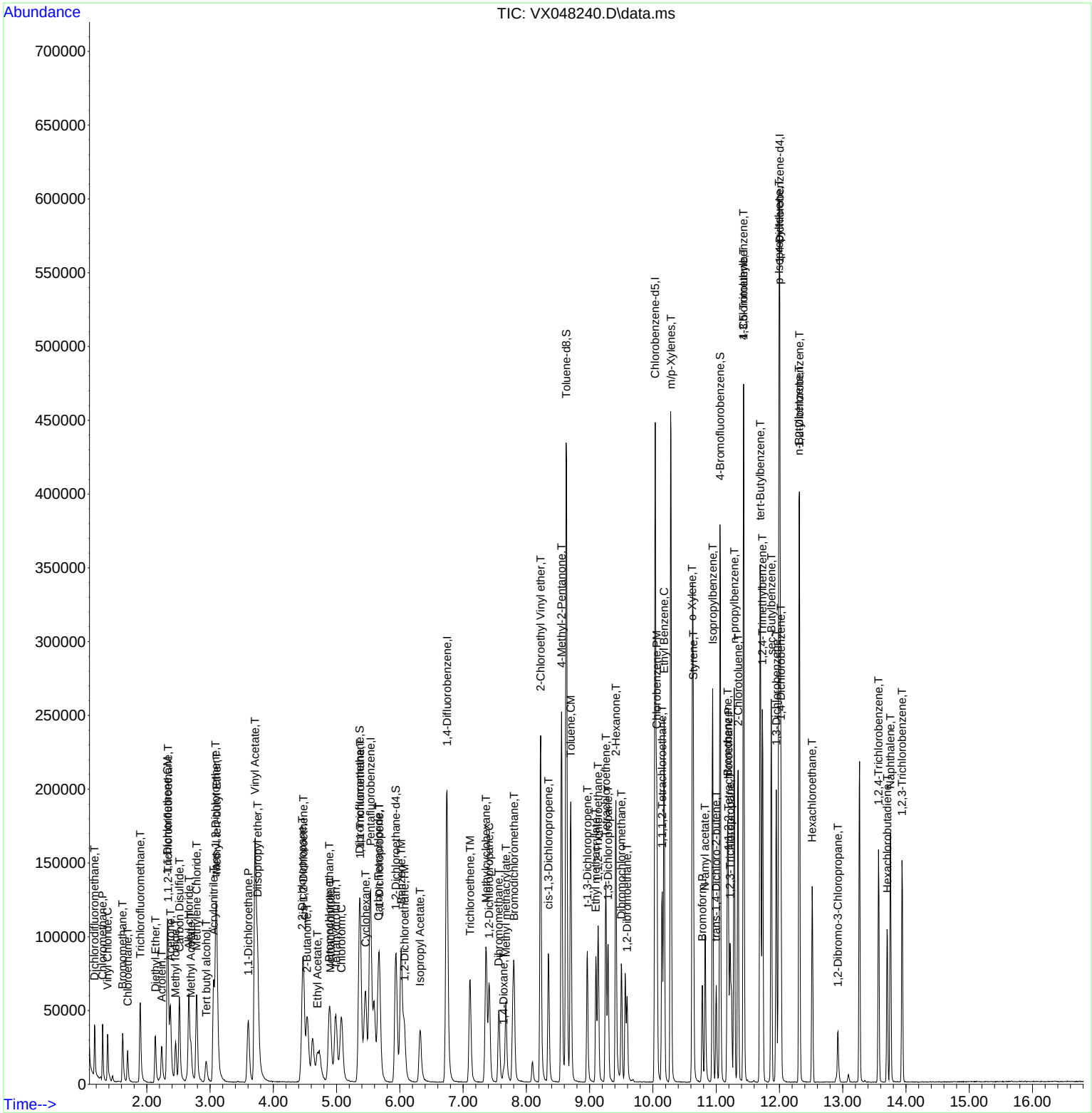
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

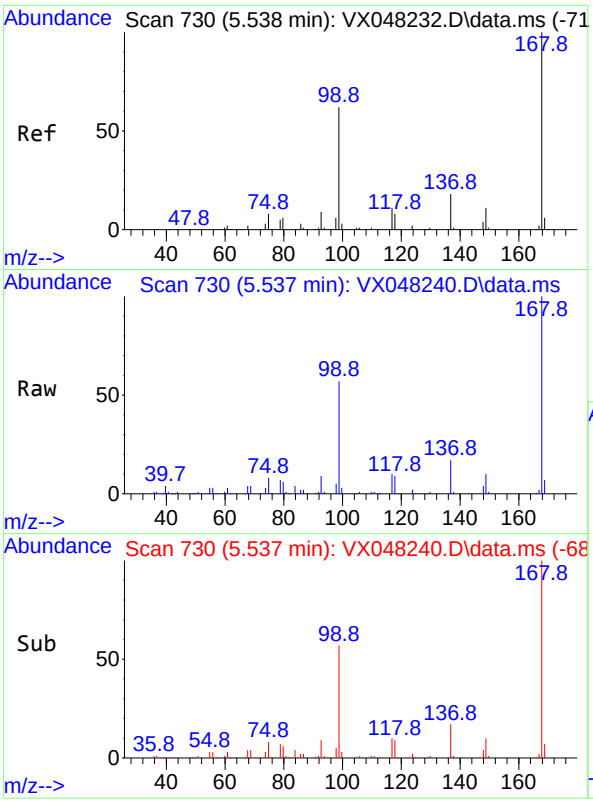
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048240.D
Acq On : 20 Oct 2025 15:50
Operator : JC/MD
Sample : VX1020WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Quant Time: Oct 25 03:39:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



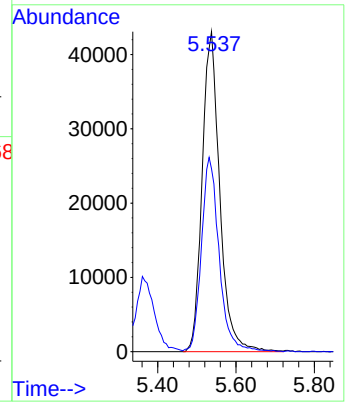


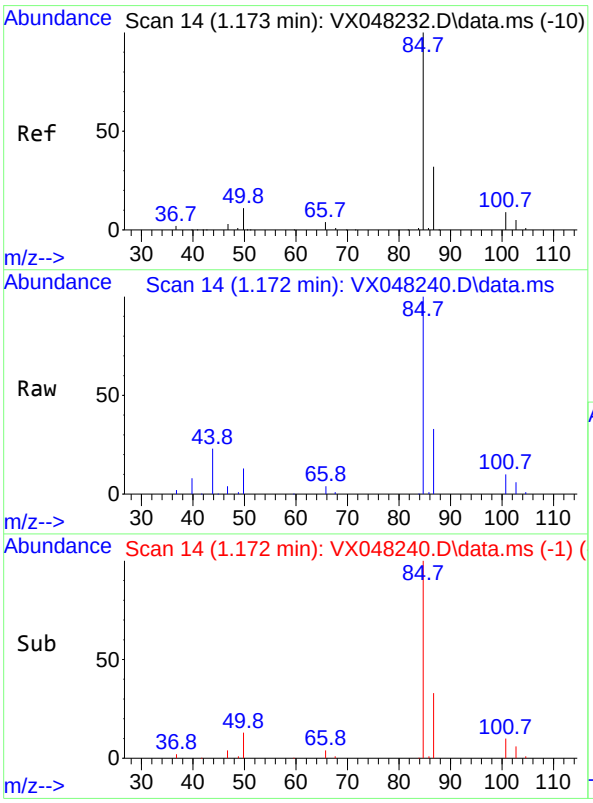

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:168 Resp: 134660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.1 | 46.4 | 69.6 |

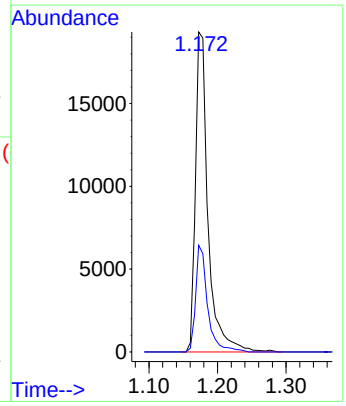


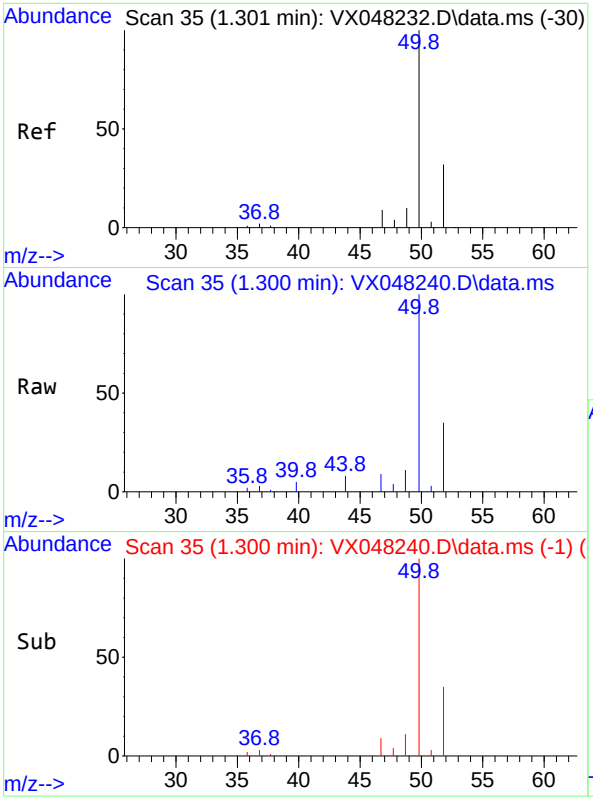




#2
Dichlorodifluoromethane
Concen: 17.848 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 85 Resp: 24708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.3 | 15.3 | 45.9 |



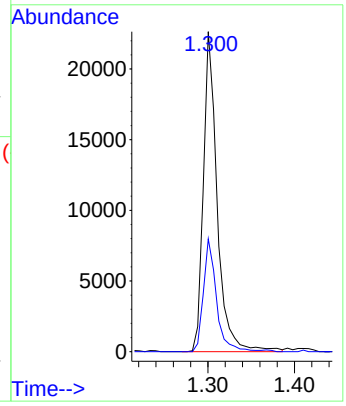


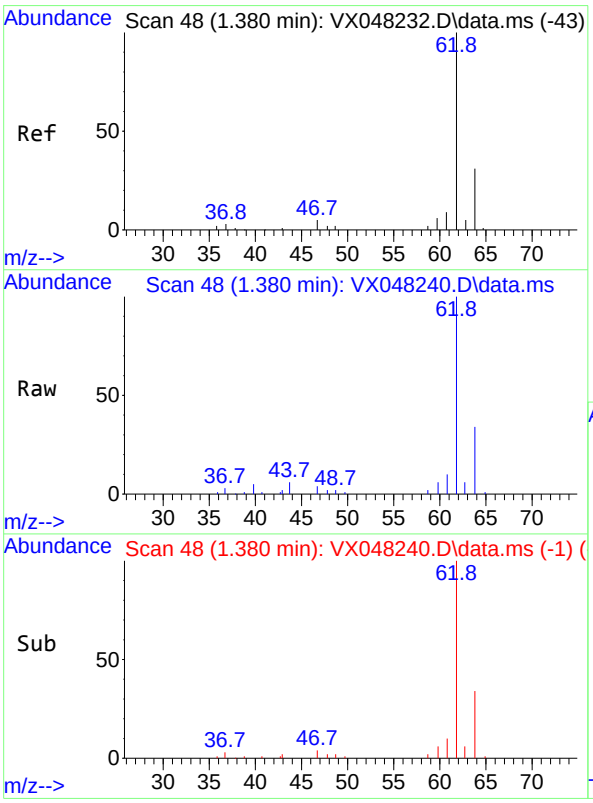

#3
Chloromethane
Concen: 19.407 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 50 Resp: 25077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 35.2 | 25.9 | 38.9 |

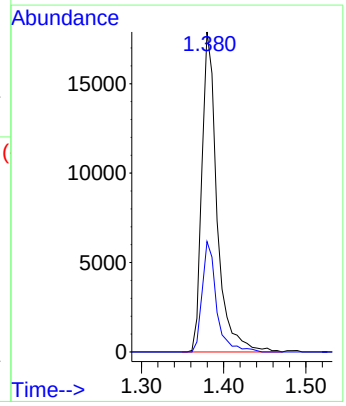


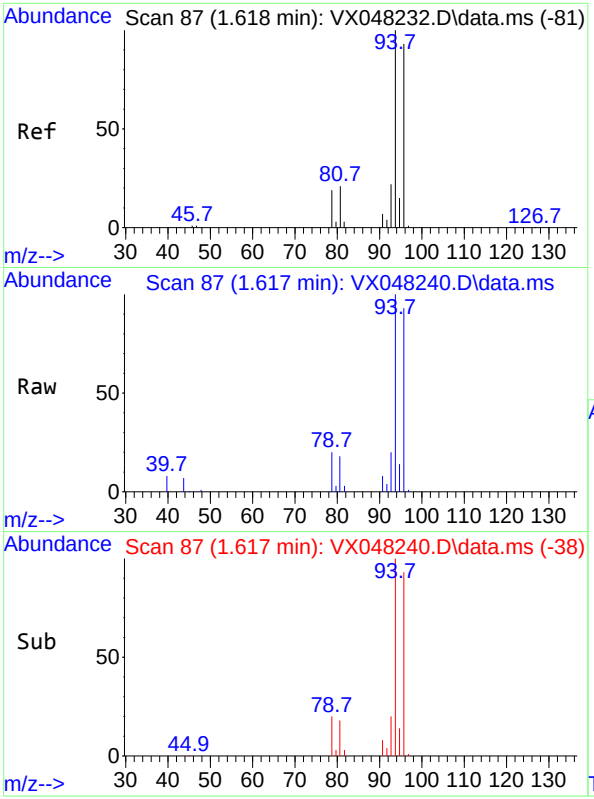




#4
Vinyl Chloride
Concen: 19.206 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 62 Resp: 22981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 34.5 | 25.1 | 37.7 |



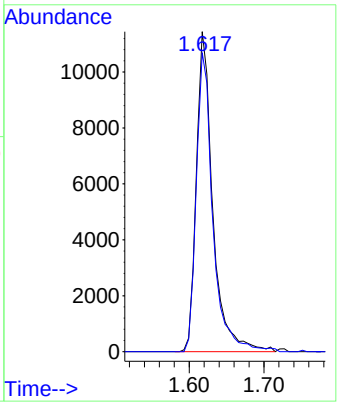


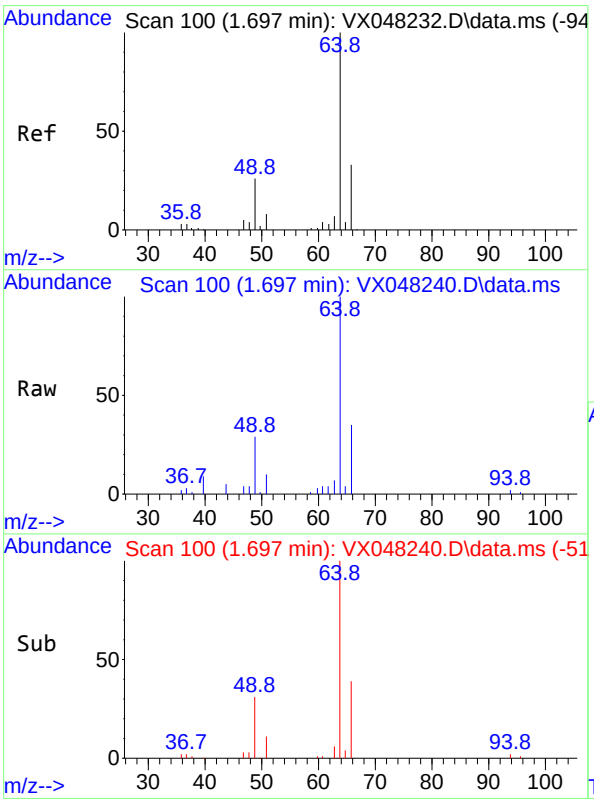

#5
Bromomethane
Concen: 21.534 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 94 Resp: 17486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.4 | 76.0 | 114.0 |

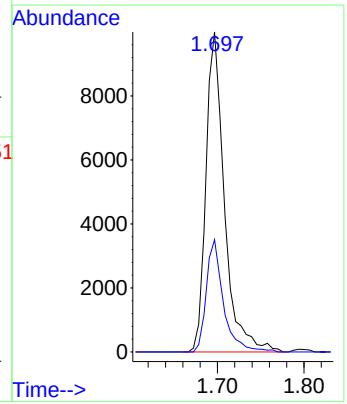


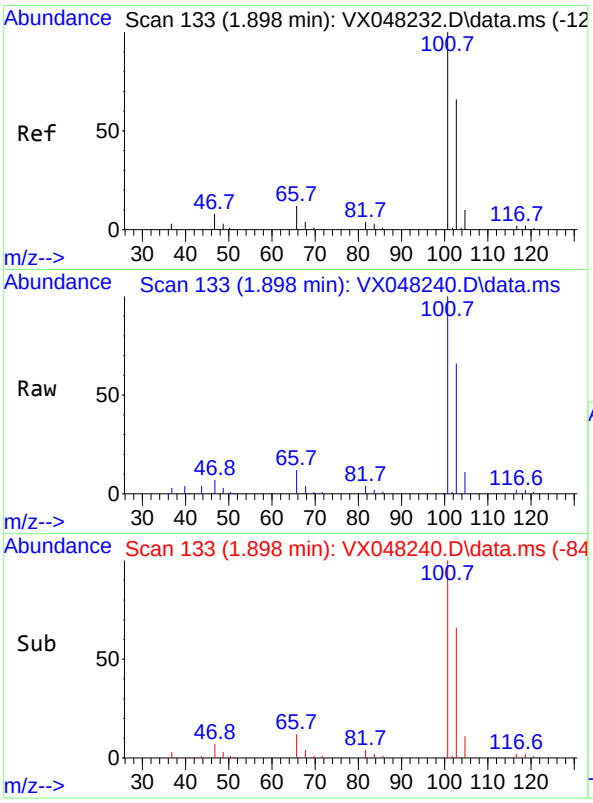




#6
Chloroethane
Concen: 21.058 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 64 Resp: 14806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.1 | 23.9 | 35.9 |



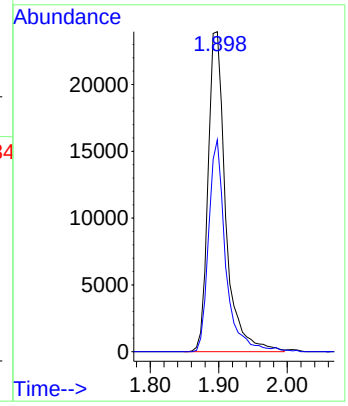


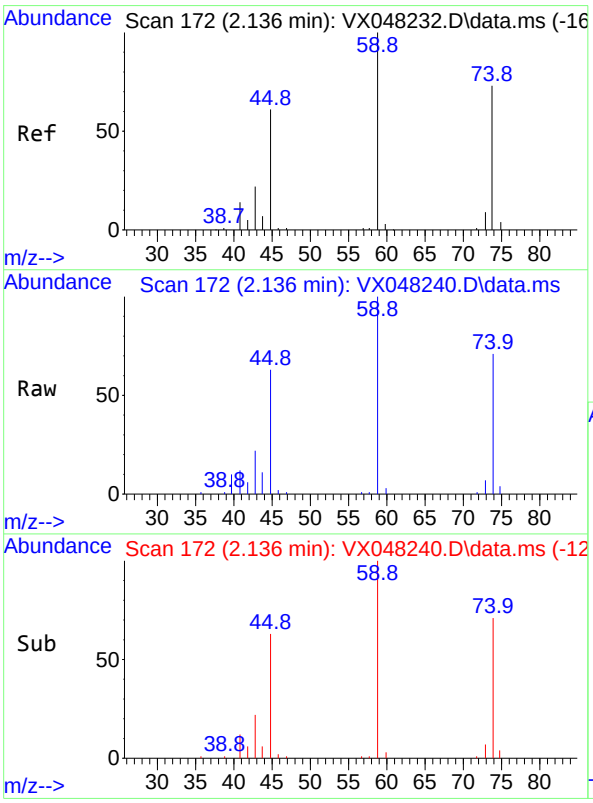

#7
Trichlorofluoromethane
Concen: 18.652 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:101 Resp: 42803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.2 | 51.6 | 77.4 |

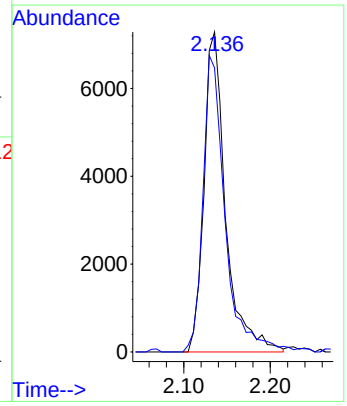


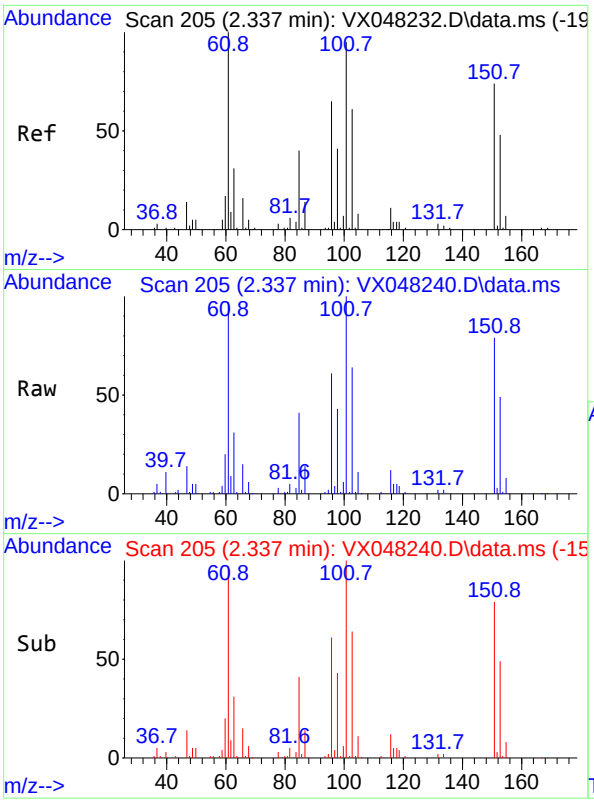




#8
Diethyl Ether
Concen: 19.540 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 74 Resp: 12617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.2 | 50.0 | 149.8 |



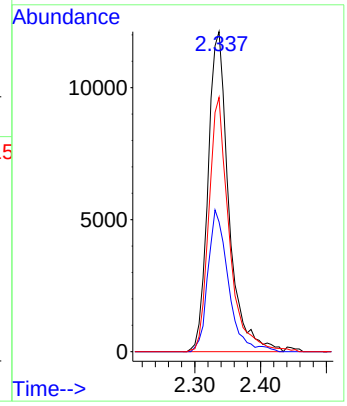


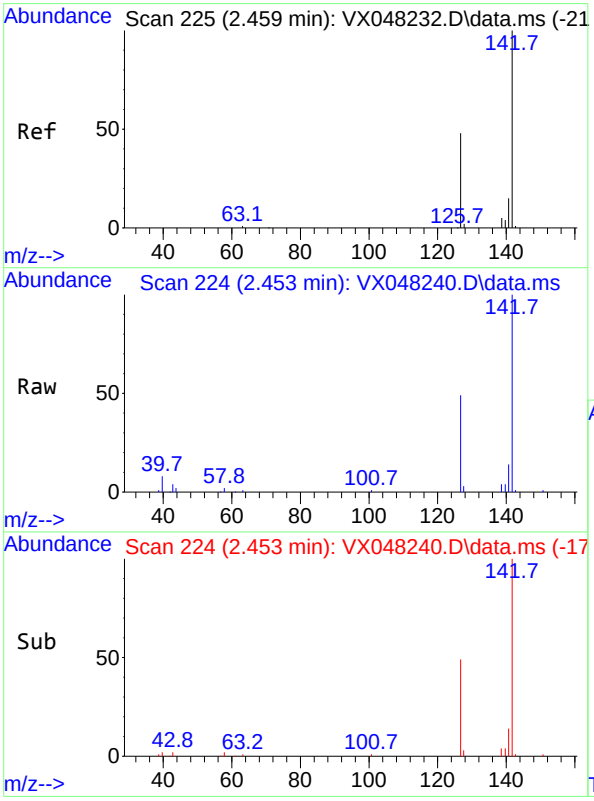

#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.302 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:101 Resp: 26596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.7 | 35.6 | 53.4 |
| 151 | 77.8 | 58.0 | 87.0 |

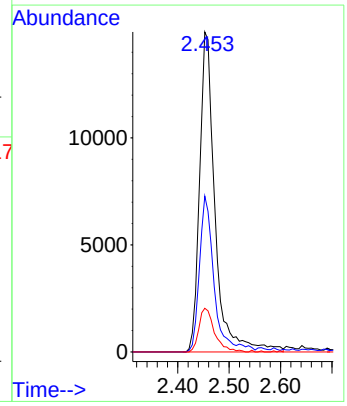


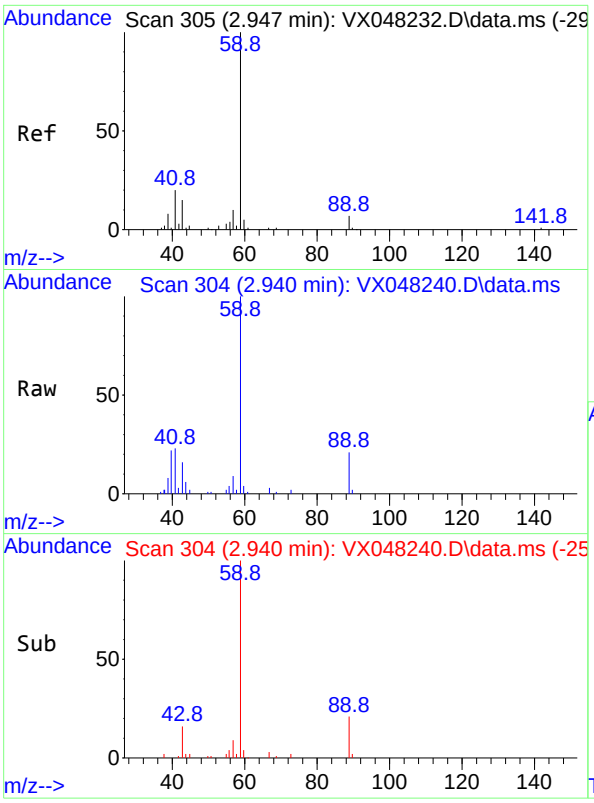




#10
Methyl Iodide
Concen: 17.138 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:142 Resp: 31308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.2 | 38.5 | 57.7 |
| 141 | 13.7 | 11.6 | 17.4 |



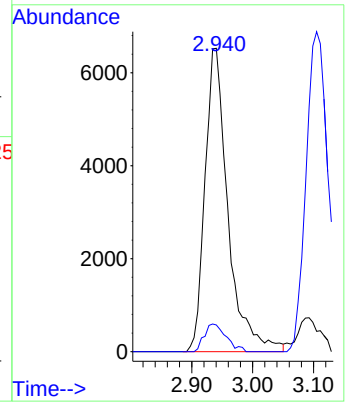


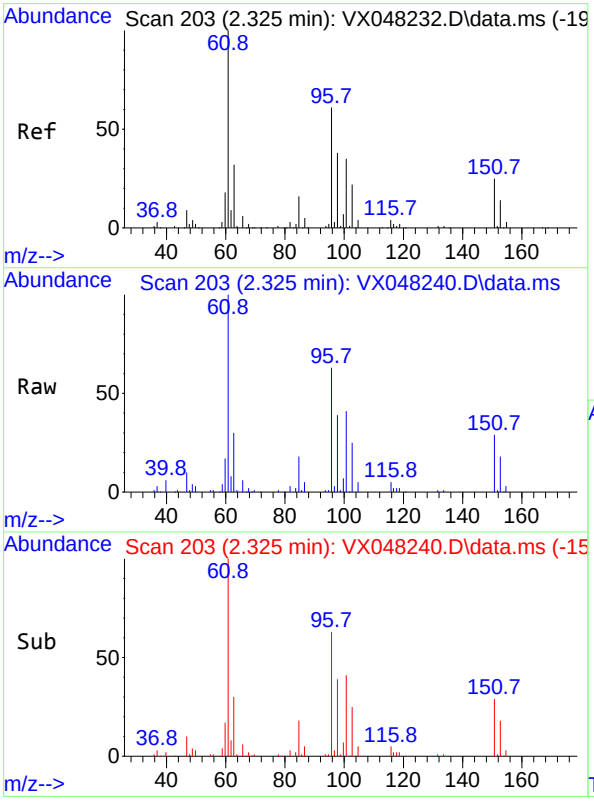

#11
Tert butyl alcohol
Concen: 91.429 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 59 Resp: 17139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 8.7 | 8.2 | 12.4 |

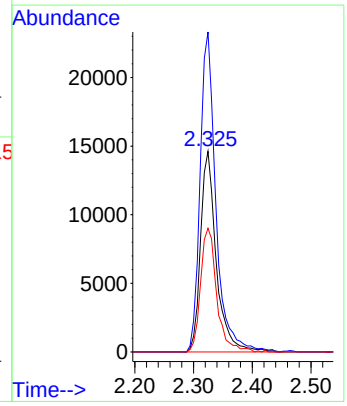


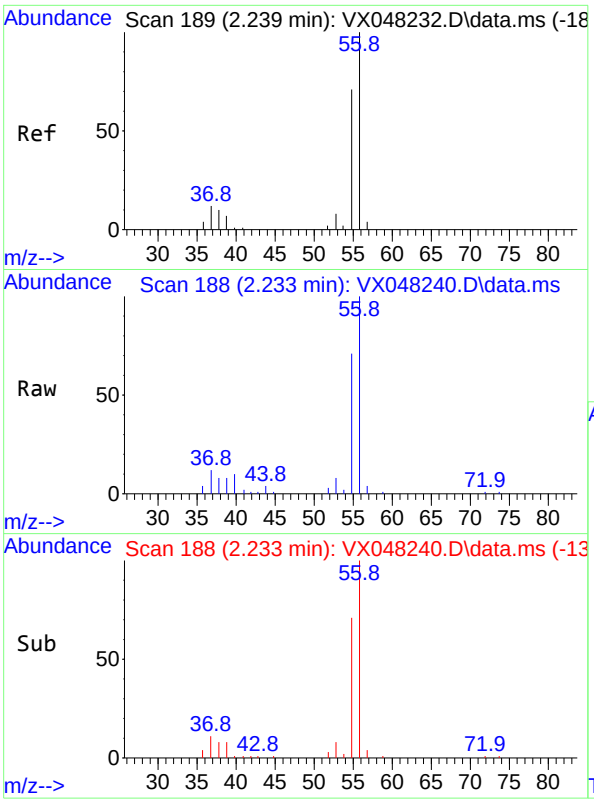




#12
1,1-Dichloroethene
Concen: 19.324 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 96 Resp: 27320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.5 | 139.0 | 208.6 |
| 98 | 61.7 | 52.4 | 78.6 |



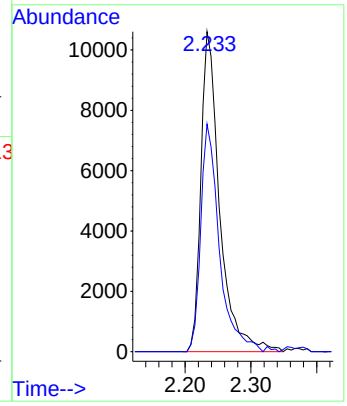


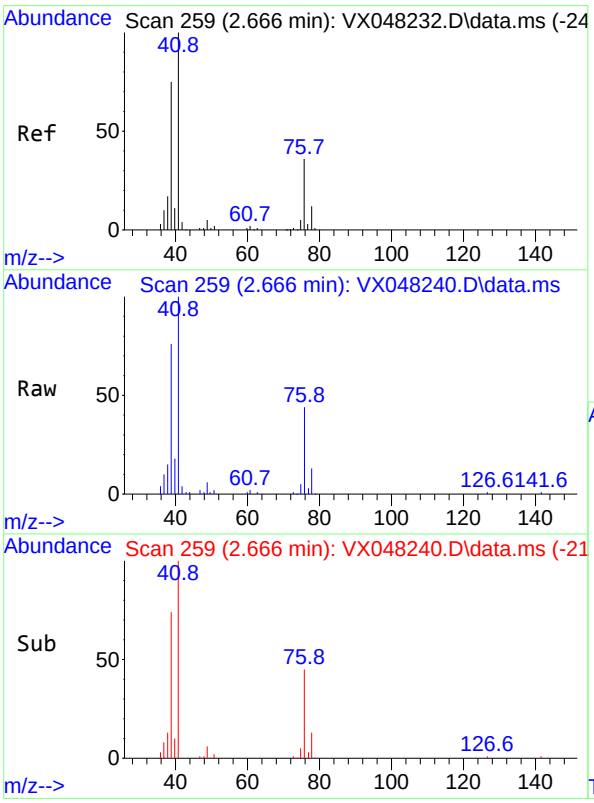

#13
Acrolein
Concen: 110.081 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 56 Resp: 21046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.4 | 56.1 | 84.1 |

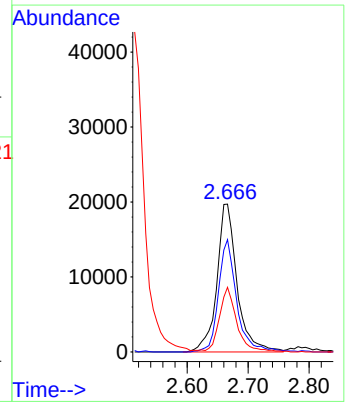


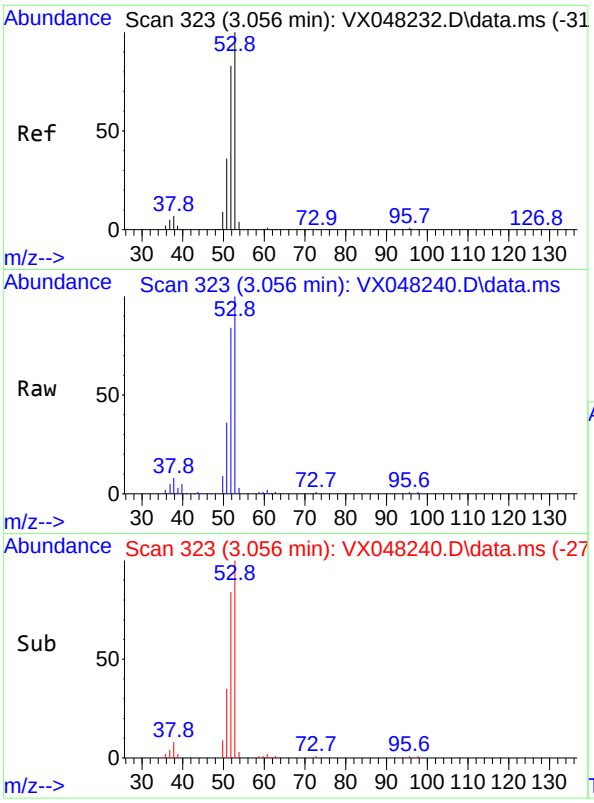




#14
Allyl chloride
Concen: 19.389 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 41 Resp: 45510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 68.7 | 56.0 | 84.0 |
| 76 | 37.8 | 27.5 | 41.3 |



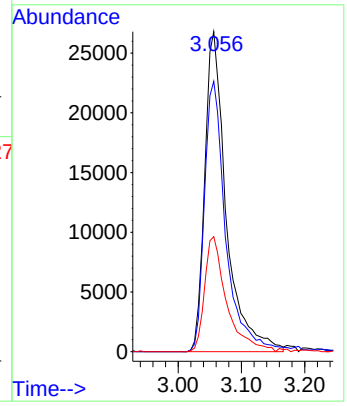


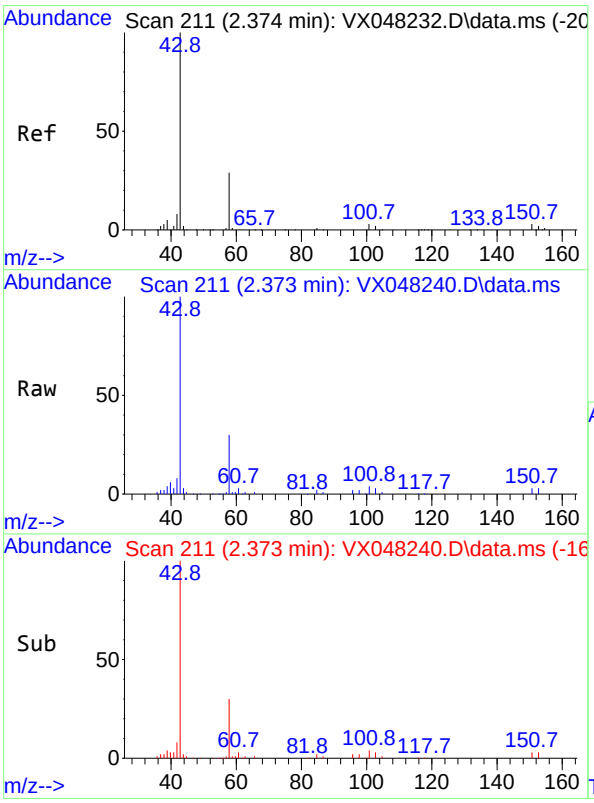

#15
Acrylonitrile
Concen: 93.873 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 53 Resp: 63454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 66.1 | 99.1 |
| 51 | 36.8 | 29.0 | 43.4 |

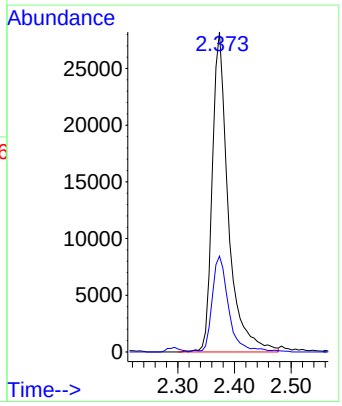


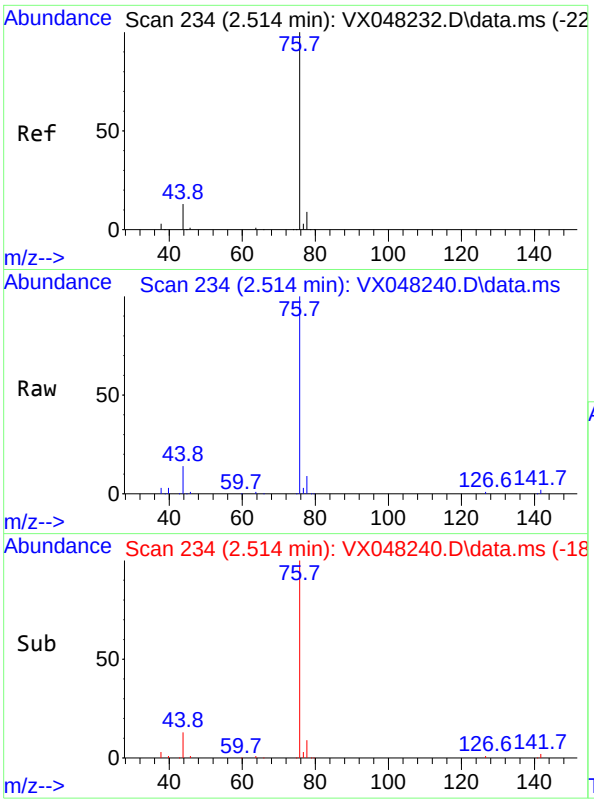




#16
Acetone
Concen: 85.745 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 43 Resp: 55537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.9 | 23.4 | 35.2 |



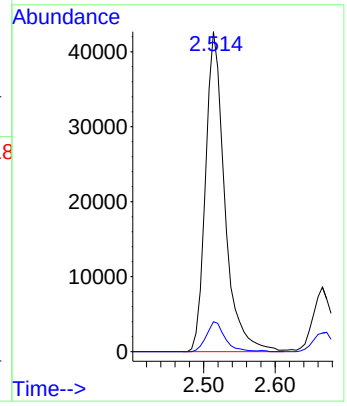


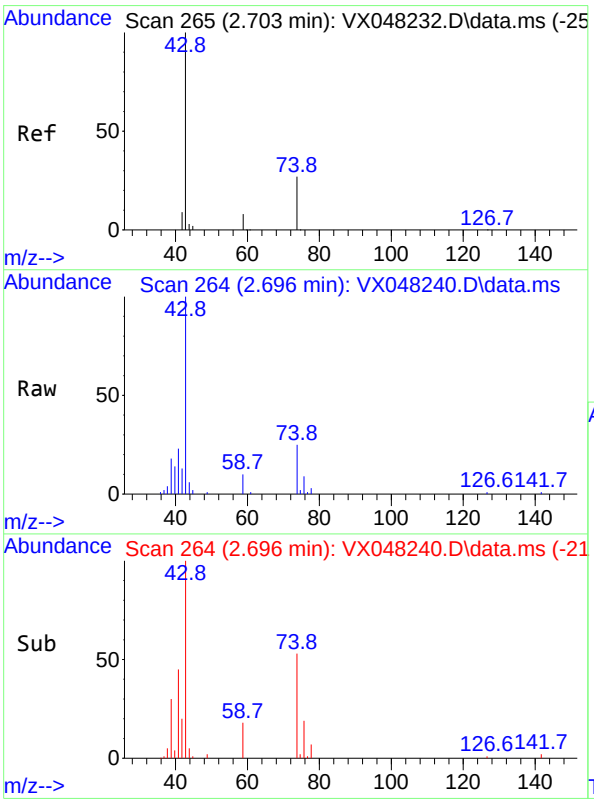

#17
Carbon Disulfide
Concen: 17.877 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 76 Resp: 79653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.1 | 10.7 |

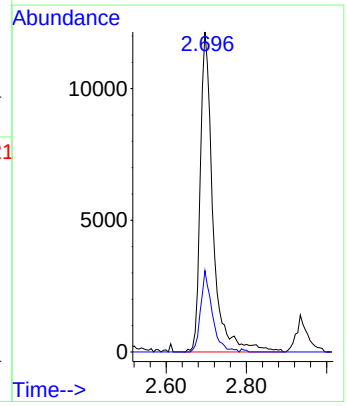


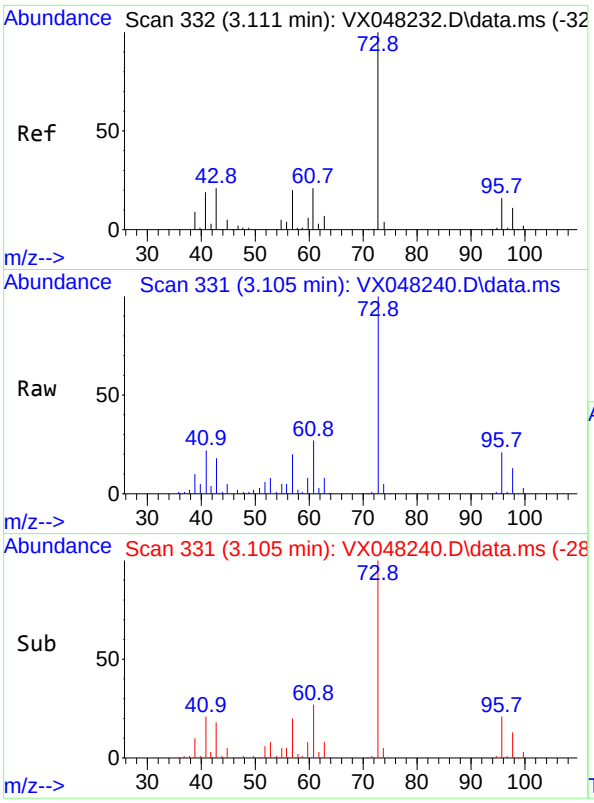




#18
Methyl Acetate
Concen: 19.748 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 43 Resp: 26712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.0 | 17.5 | 26.3 |



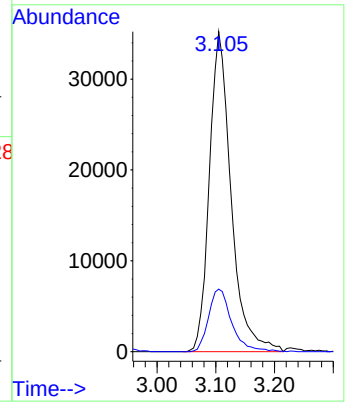


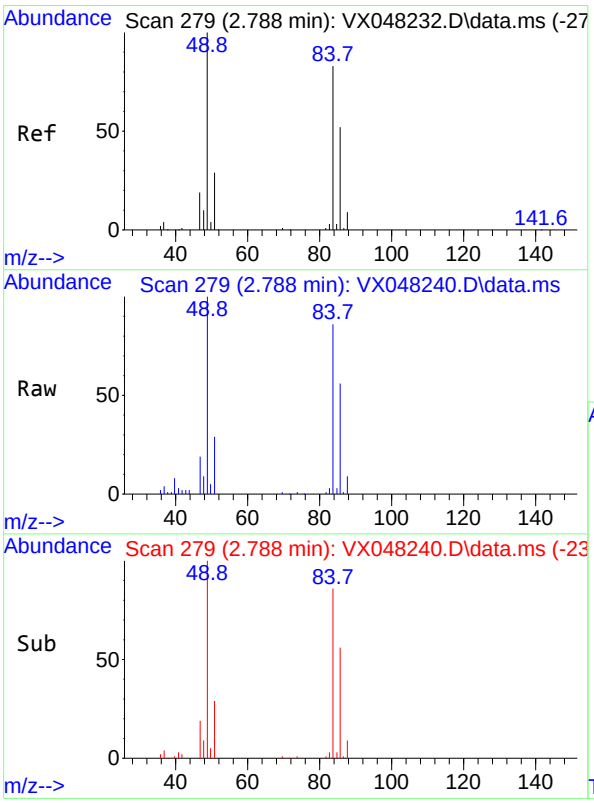

#19
Methyl tert-butyl Ether
Concen: 18.738 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 73 Resp: 90374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 19.5 | 17.7 | 26.5 |

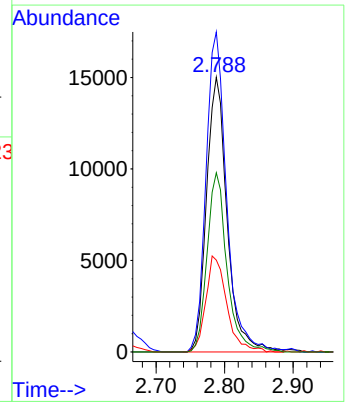


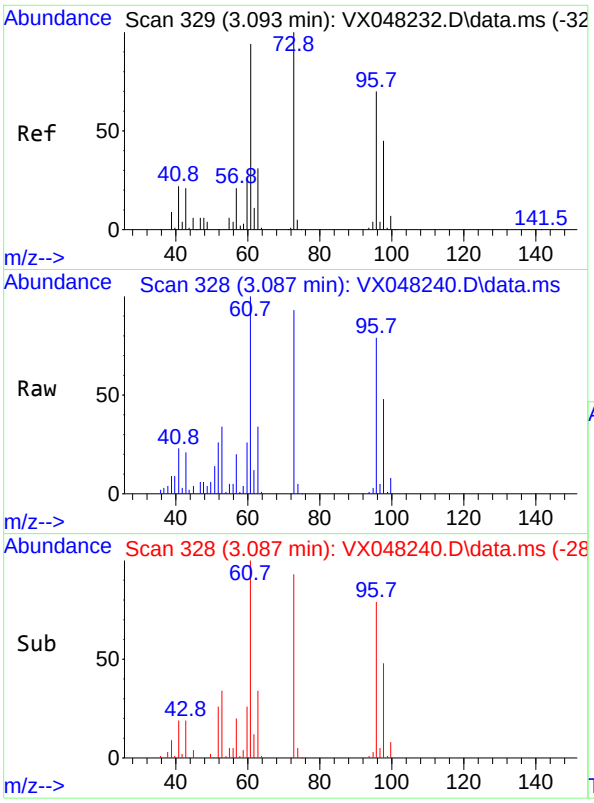




#20
Methylene Chloride
Concen: 19.934 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 84 Resp: 31460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 116.5 | 104.1 | 156.1 |
| 51 | 33.4 | 31.3 | 46.9 |
| 86 | 66.5 | 51.3 | 76.9 |



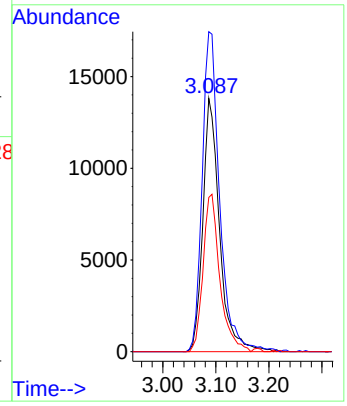


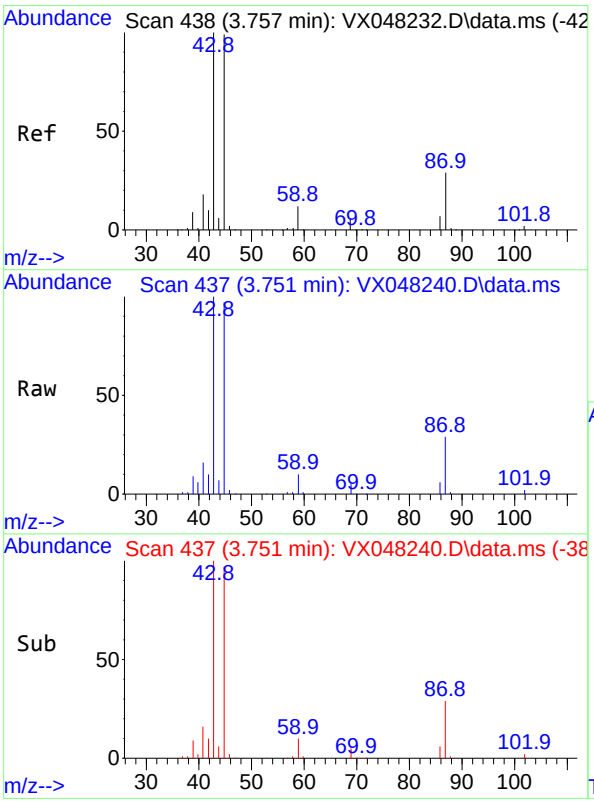

#21
trans-1,2-Dichloroethene
Concen: 19.468 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 96 Resp: 30232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 126.3 | 111.9 | 167.9 |
| 98 | 60.9 | 51.2 | 76.8 |

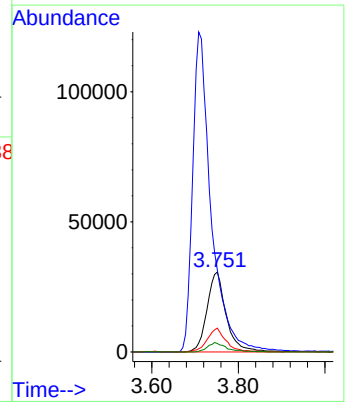


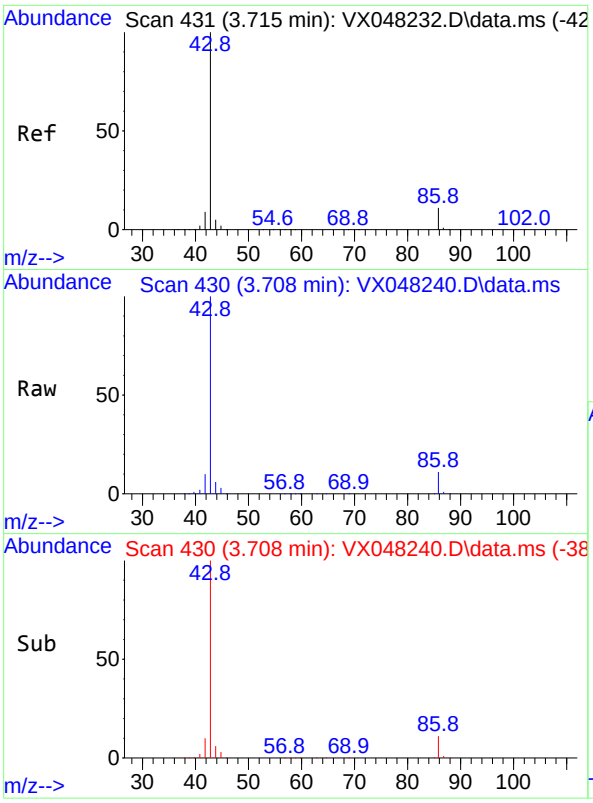




#22
Diisopropyl ether
Concen: 20.141 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 45 Resp: 94293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 101.4 | 89.8 | 134.8 |
| 87 | 29.8 | 20.6 | 31.0 |
| 59 | 10.7 | 9.1 | 13.7 |



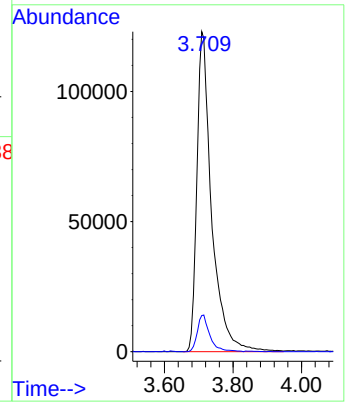


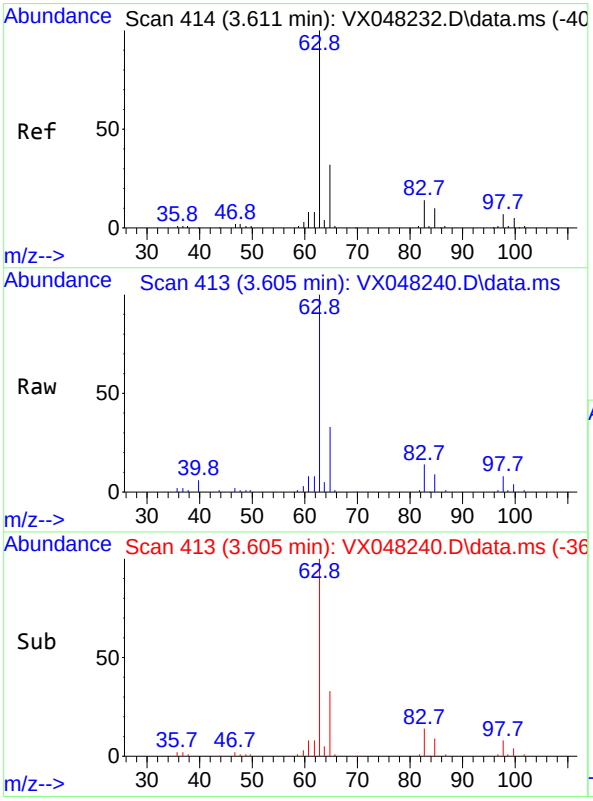

#23
Vinyl Acetate
Concen: 98.349 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 43 Resp: 367791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.3 | 7.9 | 11.9 |

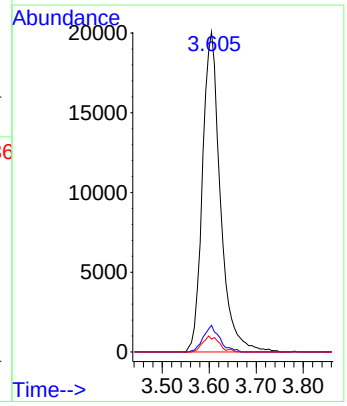


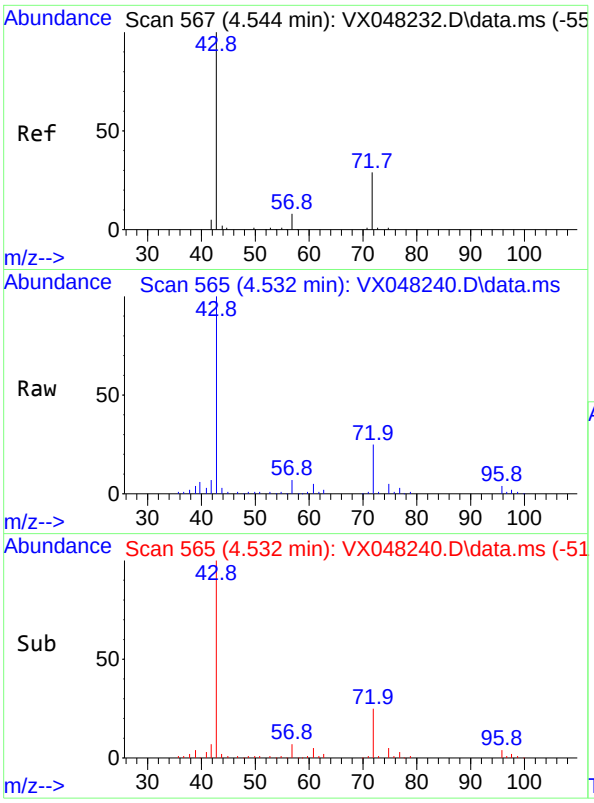




#24
1,1-Dichloroethane
Concen: 18.769 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 63 Resp: 53132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 9.3 | 3.5 | 10.6 |
| 100 | 4.0 | 2.1 | 6.3 |



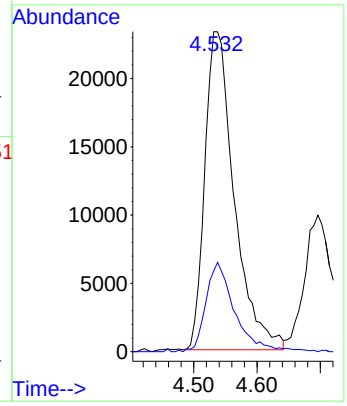


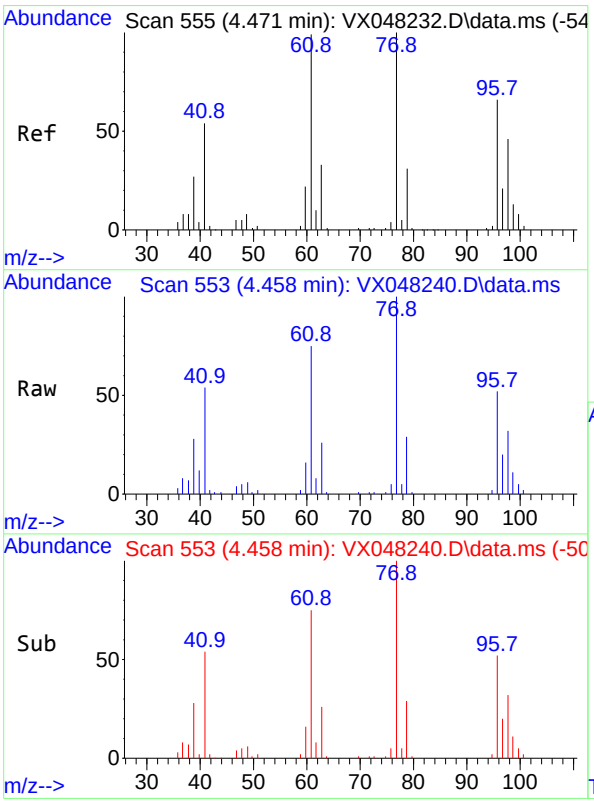

#25
2-Butanone
Concen: 91.980 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 43 Resp: 75407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.4 | 19.9 | 29.9 |

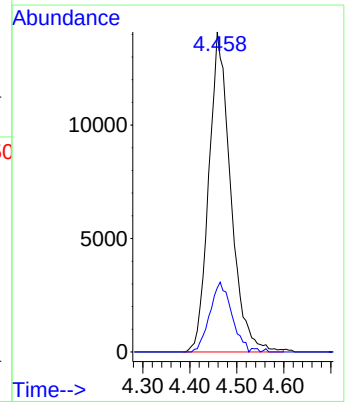


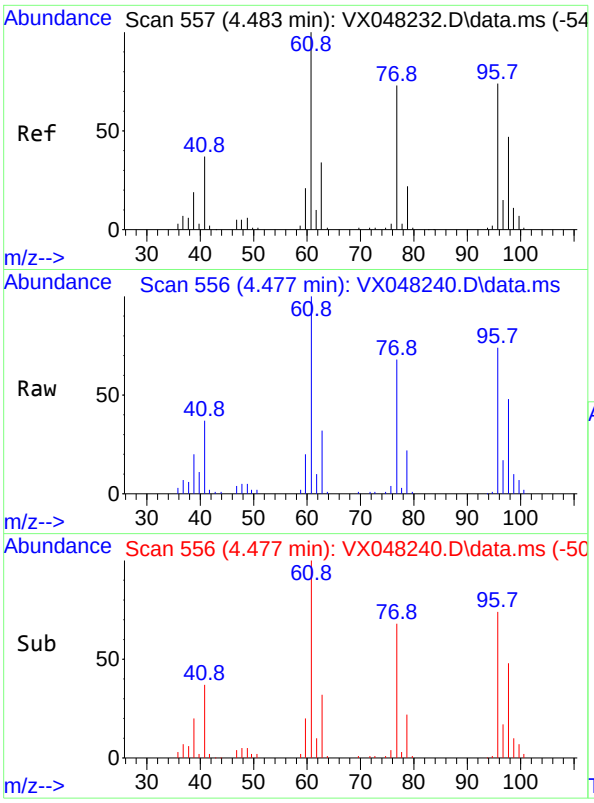




#26
2,2-Dichloropropane
Concen: 17.798 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 77 Resp: 45475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 11.1 | 33.3 |



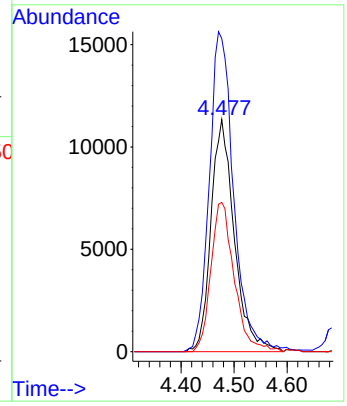


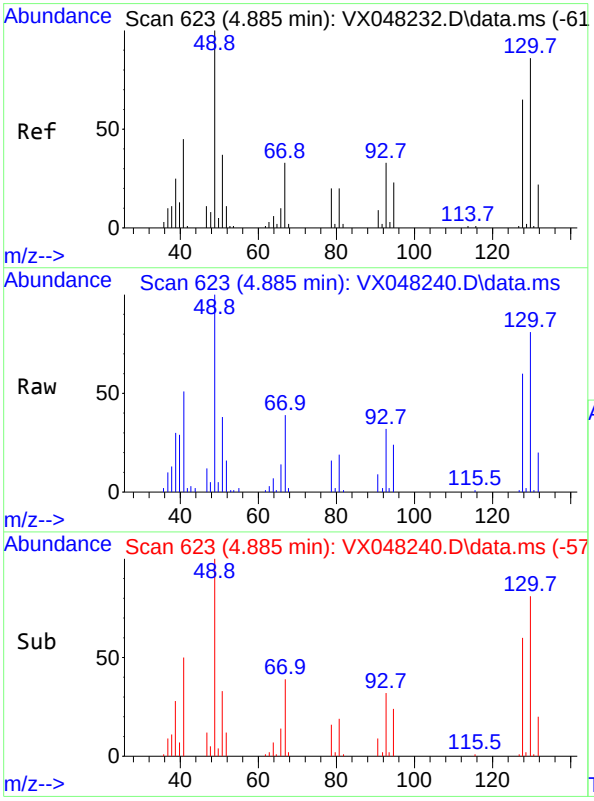

#27
cis-1,2-Dichloroethene
Concen: 19.122 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 96 Resp: 34657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.5 | 0.0 | 294.2 |
| 98 | 64.3 | 0.0 | 128.4 |

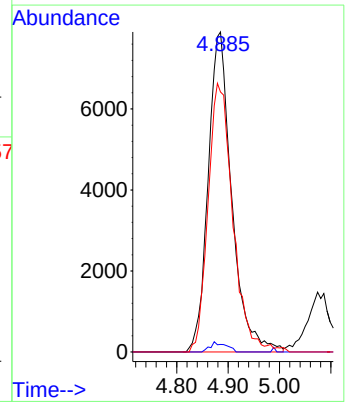


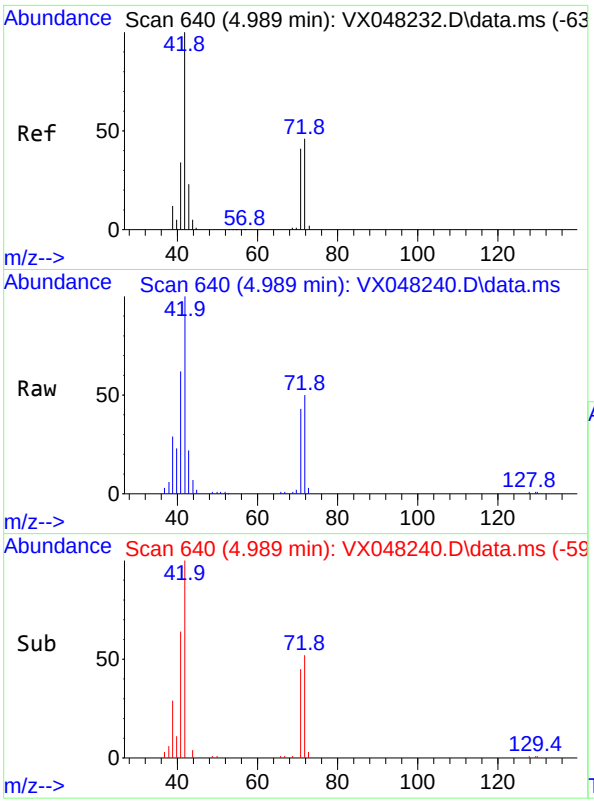




#28
Bromochloromethane
Concen: 21.434 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 49 Resp: 25158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.4 |
| 130 | 88.3 | 59.3 | 88.9 |



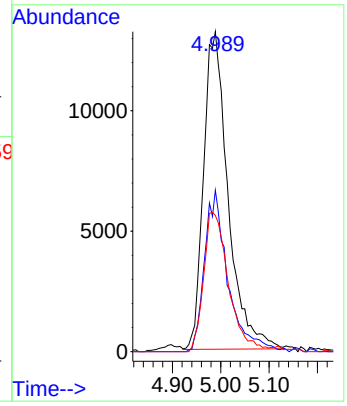


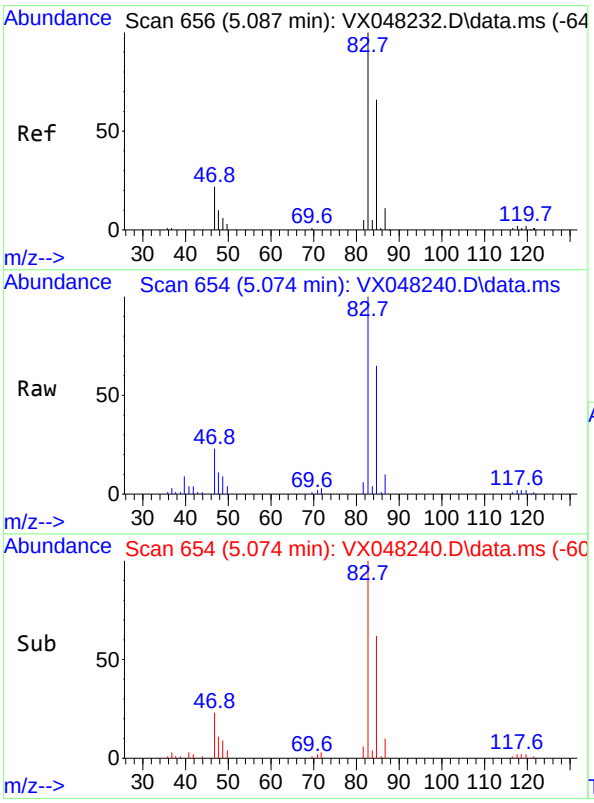

#29
Tetrahydrofuran
Concen: 94.500 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 42 Resp: 46399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.5 | 35.3 | 52.9 |
| 71 | 44.5 | 32.2 | 48.4 |

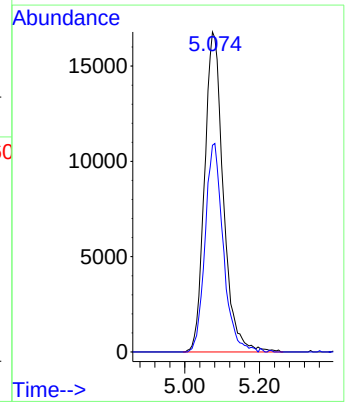


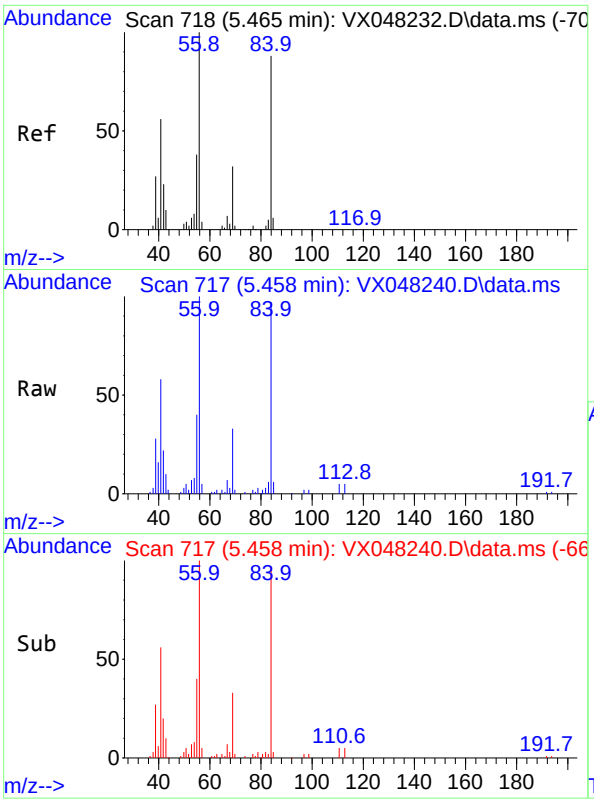




#30
Chloroform
Concen: 19.287 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 83 Resp: 58330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.6 | 50.1 | 75.1 |



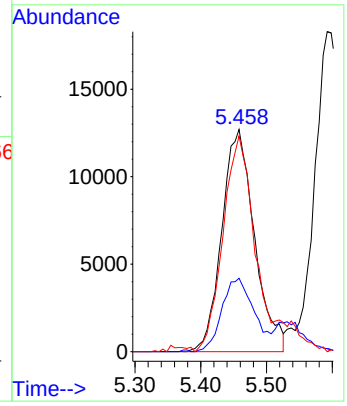


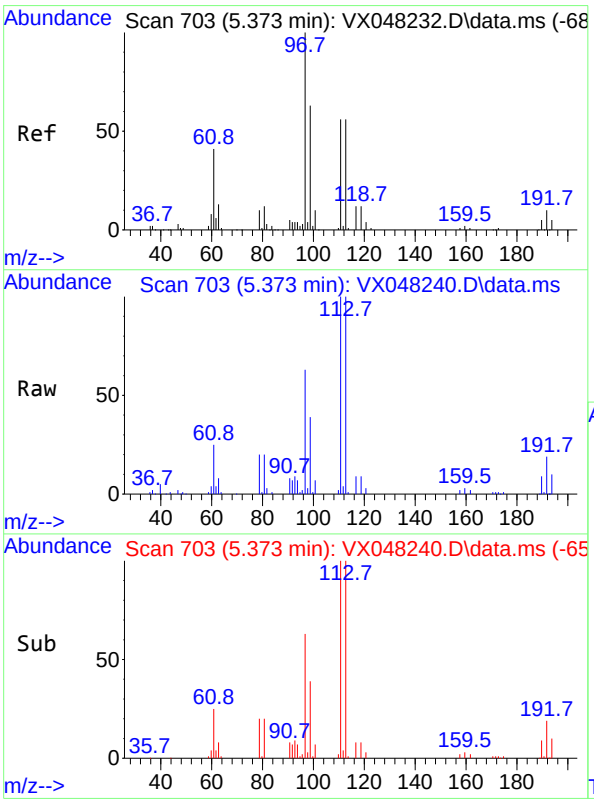

#31
Cyclohexane
Concen: 18.711 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 56 Resp: 43852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.4 | 23.0 | 34.6 |
| 84 | 95.2 | 64.6 | 97.0 |

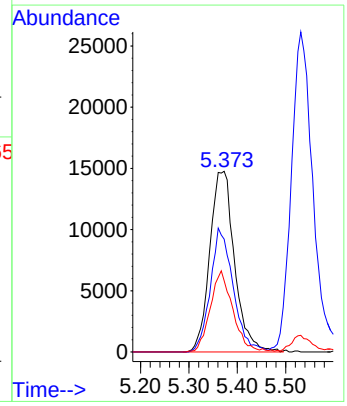


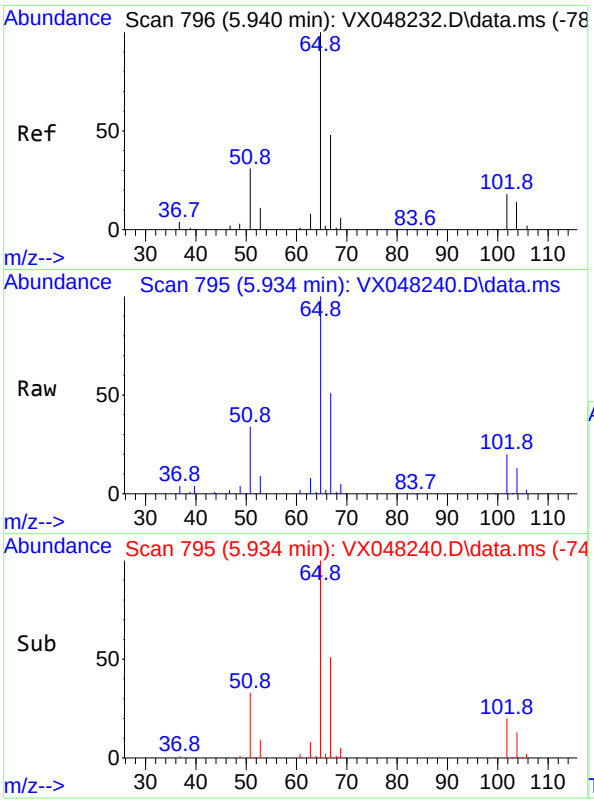




#32
1,1,1-Trichloroethane
Concen: 18.824 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 97 Resp: 52467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 51.7 | 77.5 |
| 61 | 41.1 | 34.8 | 52.2 |



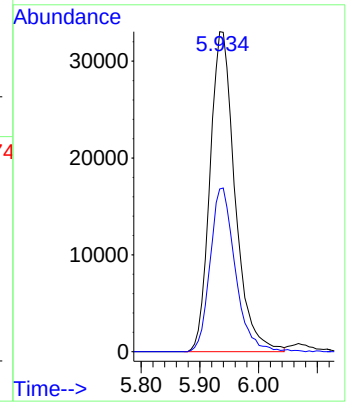


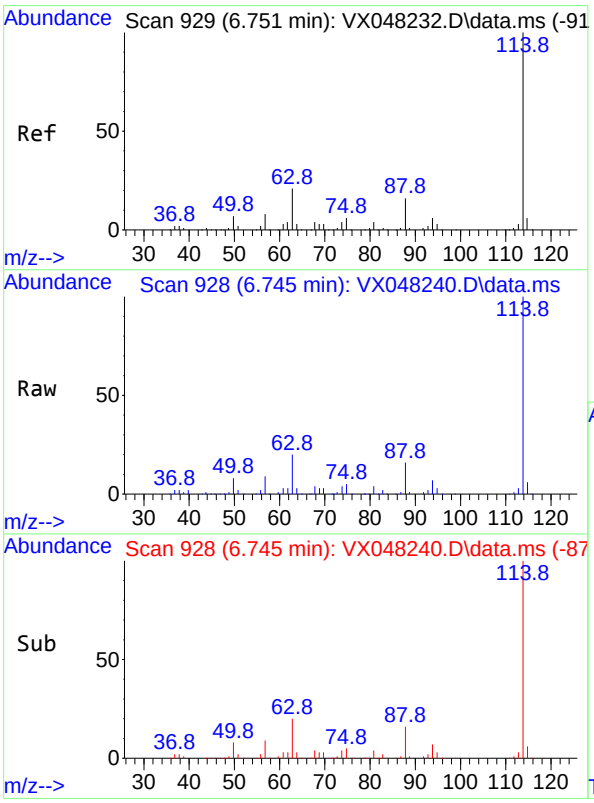

#33
1,2-Dichloroethane-d4
Concen: 51.728 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 65 Resp: 97664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 105.0 |

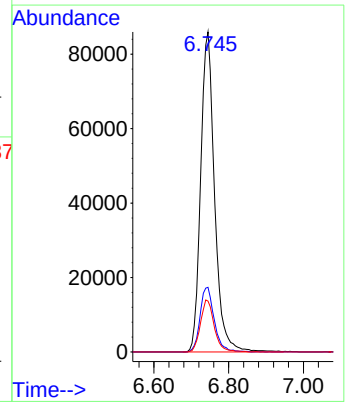


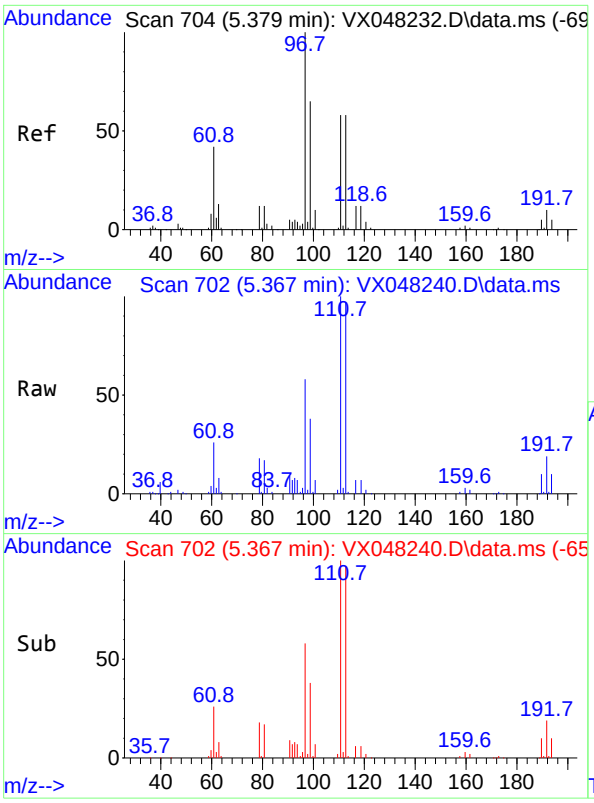




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:114 Resp: 221833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 43.2 |
| 88 | 15.9 | 0.0 | 33.6 |



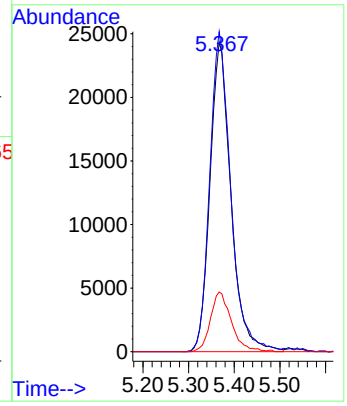


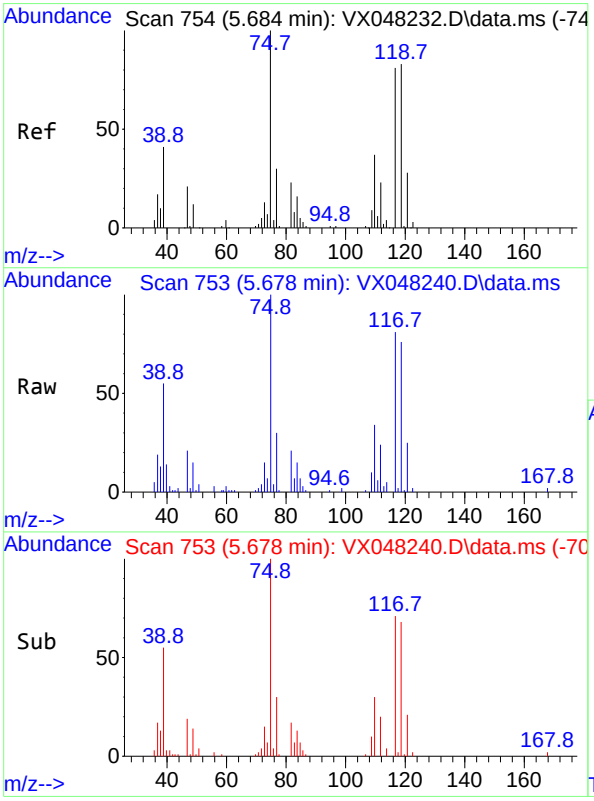

#35
Dibromofluoromethane
Concen: 51.237 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:113 Resp: 77595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 82.2 | 123.4 |
| 192 | 19.2 | 15.1 | 22.7 |

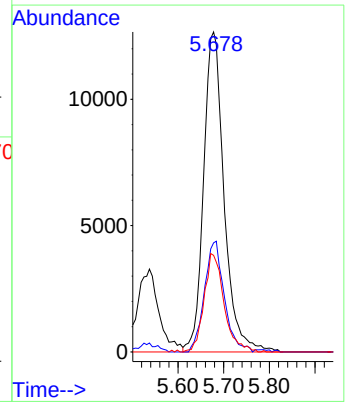


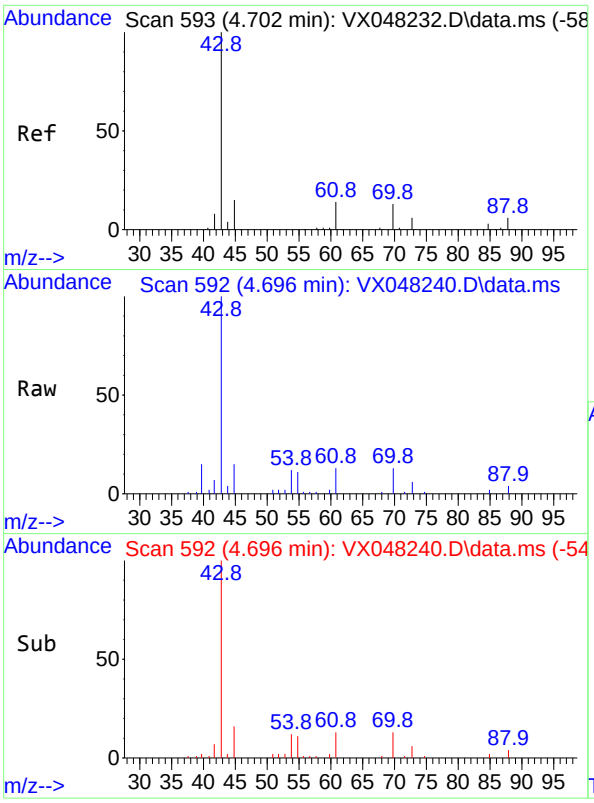




#36
1,1-Dichloropropene
Concen: 18.319 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 75 Resp: 39432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.5 | 17.7 | 53.1 |
| 77 | 30.0 | 24.3 | 36.5 |



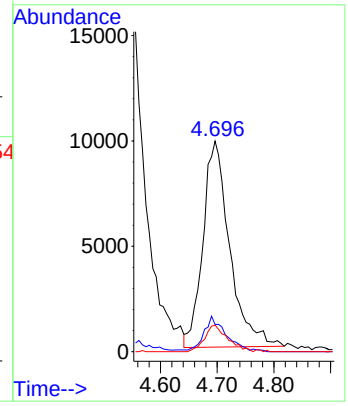


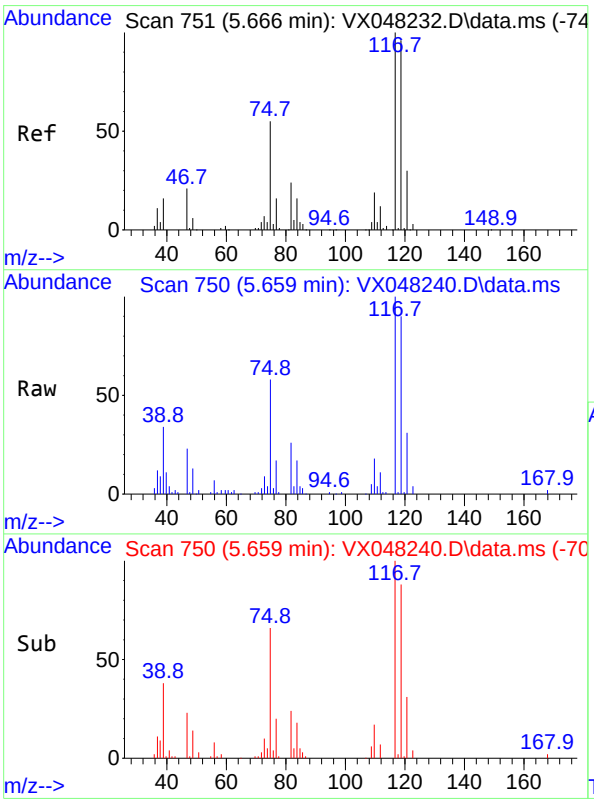

#37
Ethyl Acetate
Concen: 17.952 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 43 Resp: 32030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.3 | 10.6 | 15.8 |
| 70 | 11.0 | 7.8 | 11.6 |

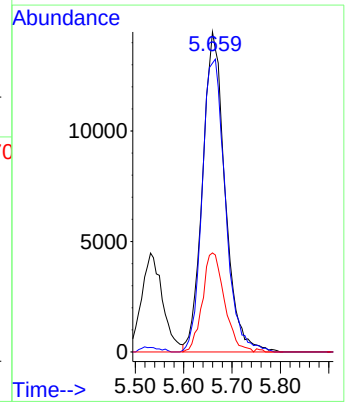


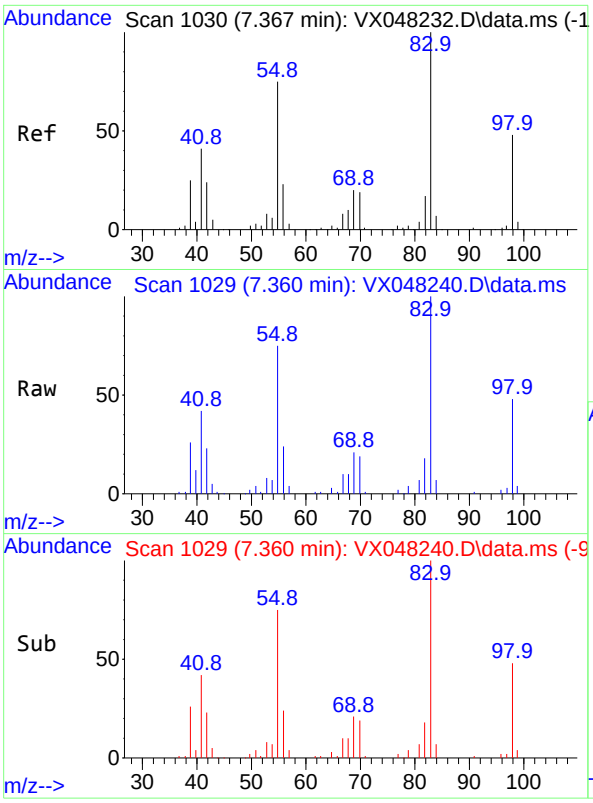




#38
Carbon Tetrachloride
Concen: 17.648 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:117 Resp: 46868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.2 | 77.2 | 115.8 |
| 121 | 31.0 | 24.8 | 37.2 |



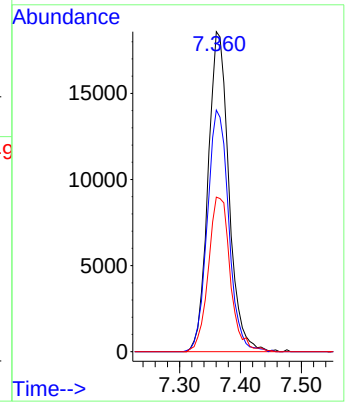


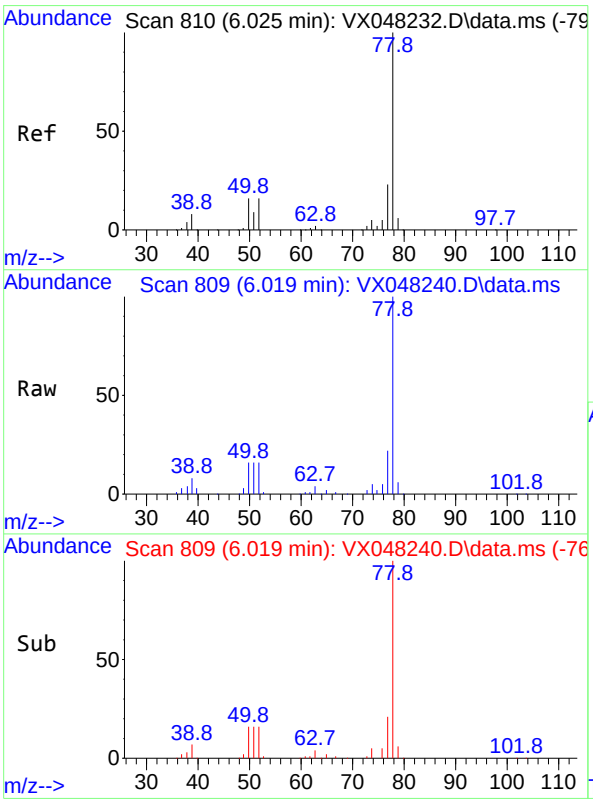

#39
Methylcyclohexane
Concen: 17.331 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 83 Resp: 44057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.5 | 66.2 | 99.2 |
| 98 | 48.3 | 38.9 | 58.3 |

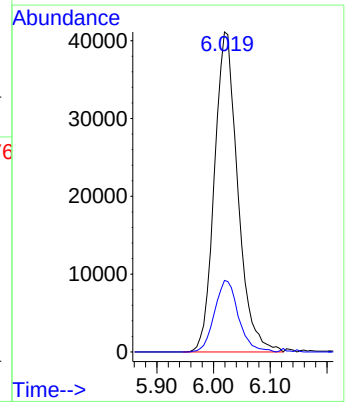


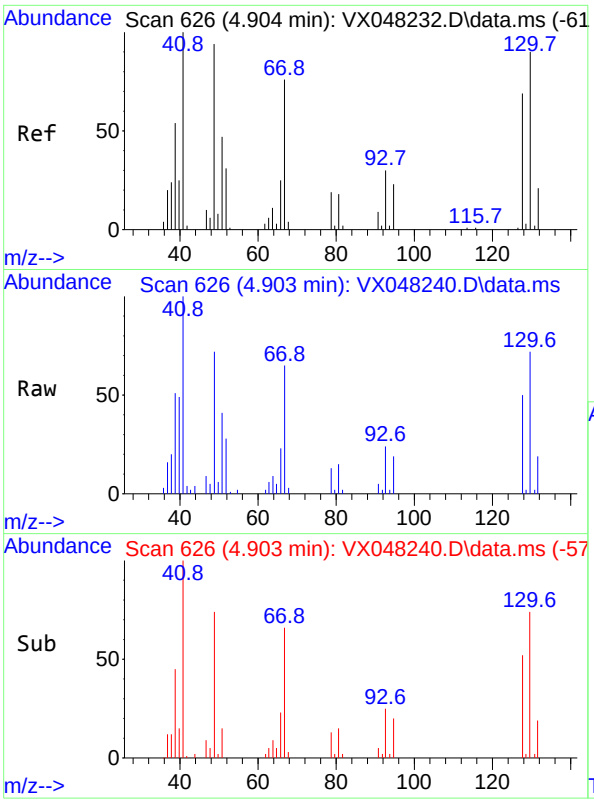




#40
Benzene
Concen: 18.847 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 78 Resp: 117785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.4 | 19.3 | 28.9 |



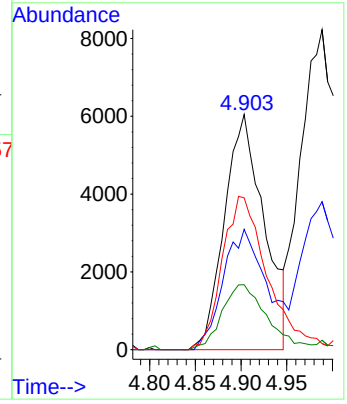


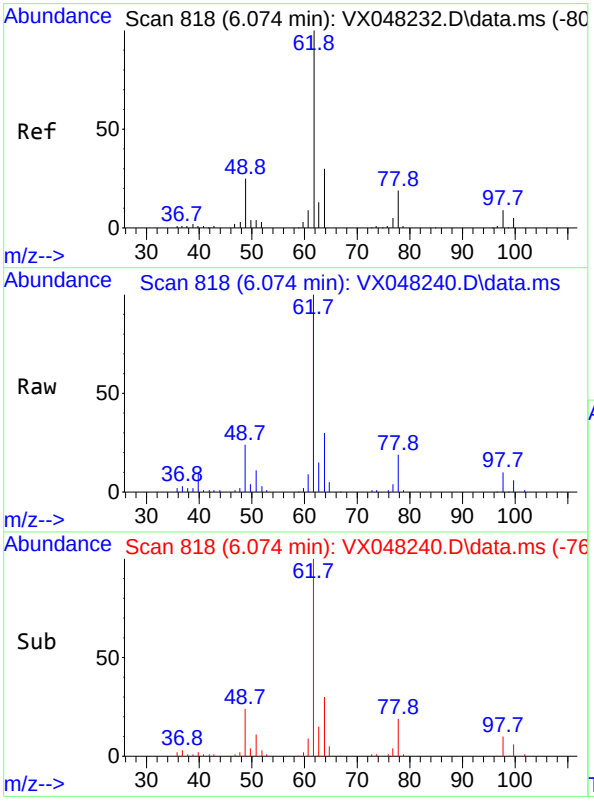

#41
Methacrylonitrile
Concen: 19.499 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 41 Resp: 18270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.0 | 44.0 | 66.0 |
| 67 | 74.0 | 58.7 | 88.1 |
| 52 | 31.2 | 25.9 | 38.9 |

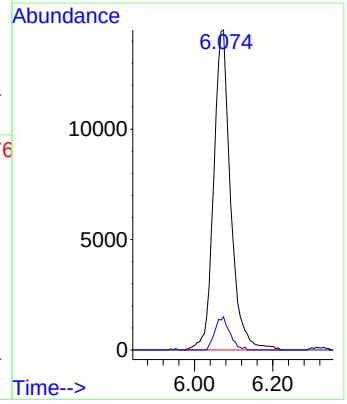


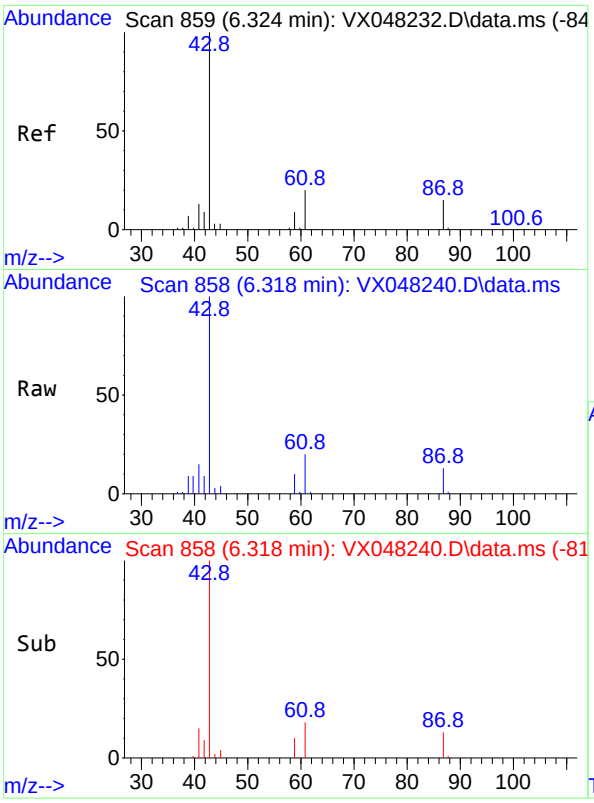




#42
1,2-Dichloroethane
Concen: 18.813 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 62 Resp: 43384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.2 |



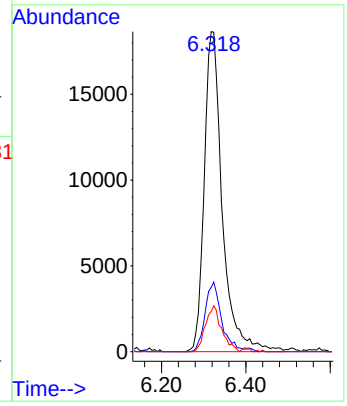


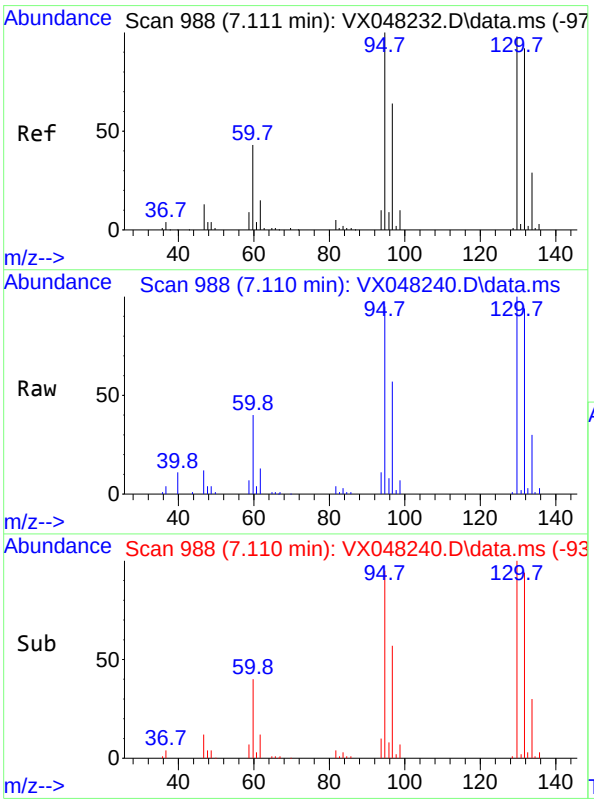

#43
Isopropyl Acetate
Concen: 18.935 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 43 Resp: 55493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.9 | 14.9 | 22.3 |
| 87 | 12.8 | 9.4 | 14.2 |

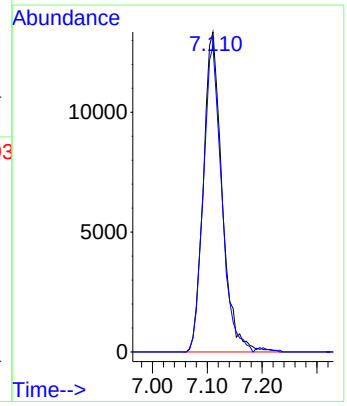


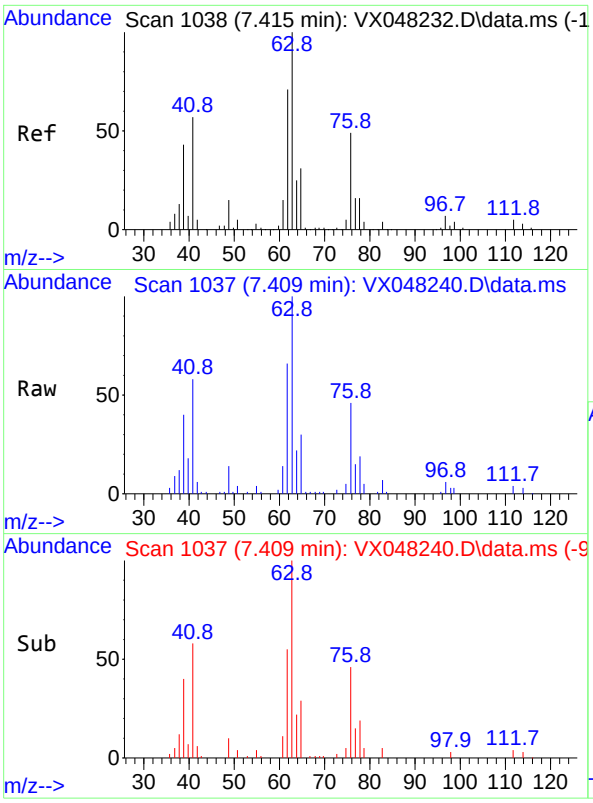




#44
Trichloroethene
Concen: 19.165 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:130 Resp: 31625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.5 | 0.0 | 200.6 |



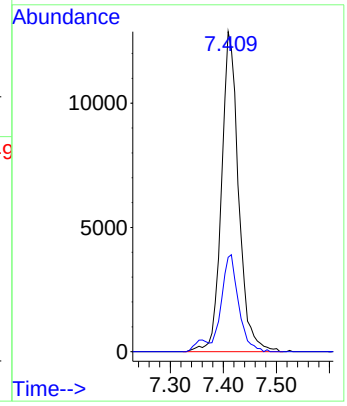


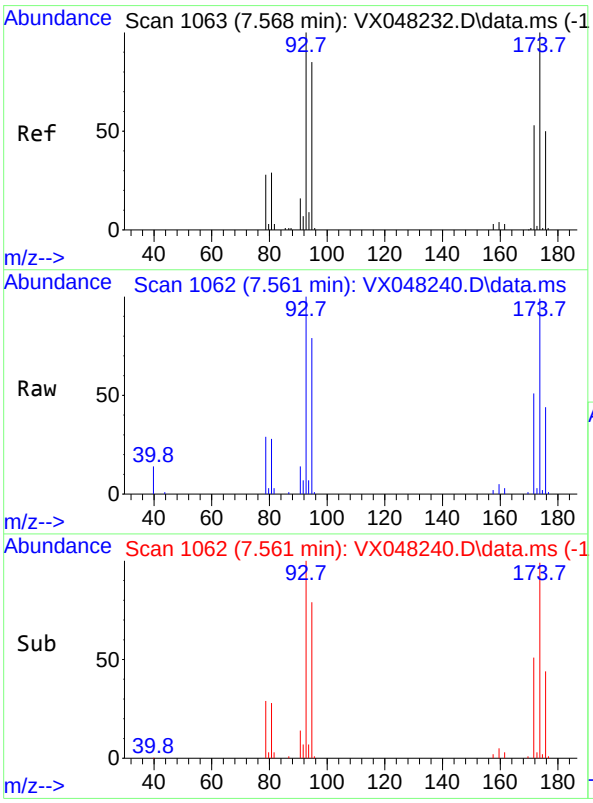

#45
1,2-Dichloropropane
Concen: 19.430 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 63 Resp: 28870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.5 | 24.1 | 36.1 |

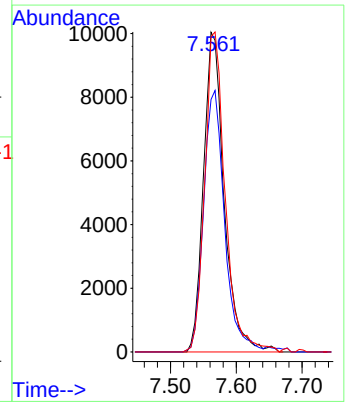


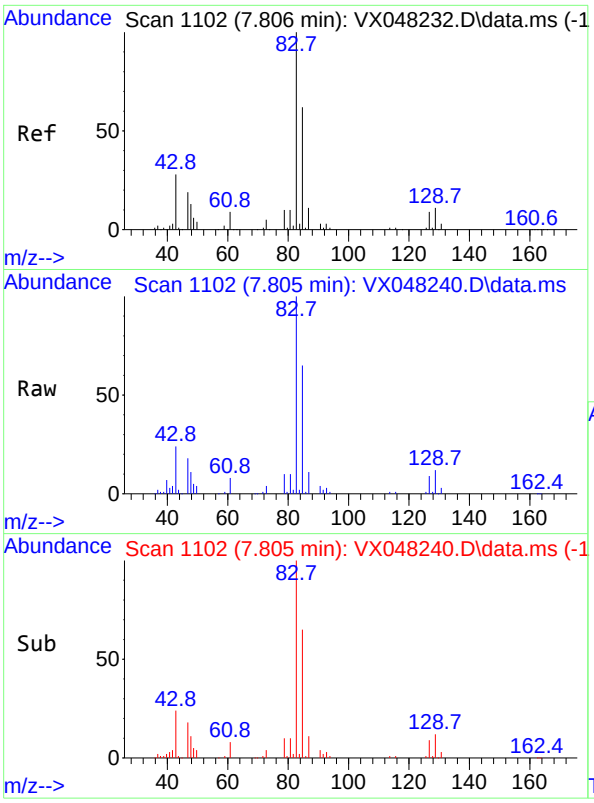




#46
Dibromomethane
Concen: 18.903 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 93 Resp: 21882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.1 | 65.9 | 98.9 |
| 174 | 99.3 | 71.7 | 107.5 |



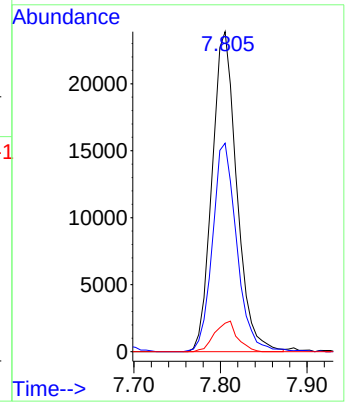


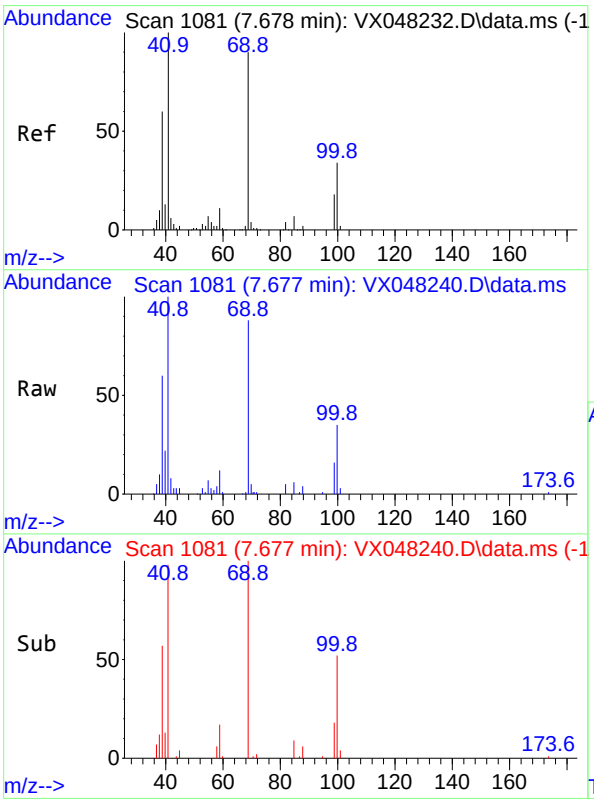

#47
Bromodichloromethane
Concen: 18.904 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 83 Resp: 47249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 52.2 | 78.4 |
| 127 | 8.9 | 7.3 | 10.9 |

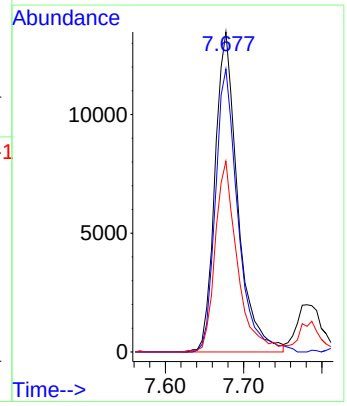


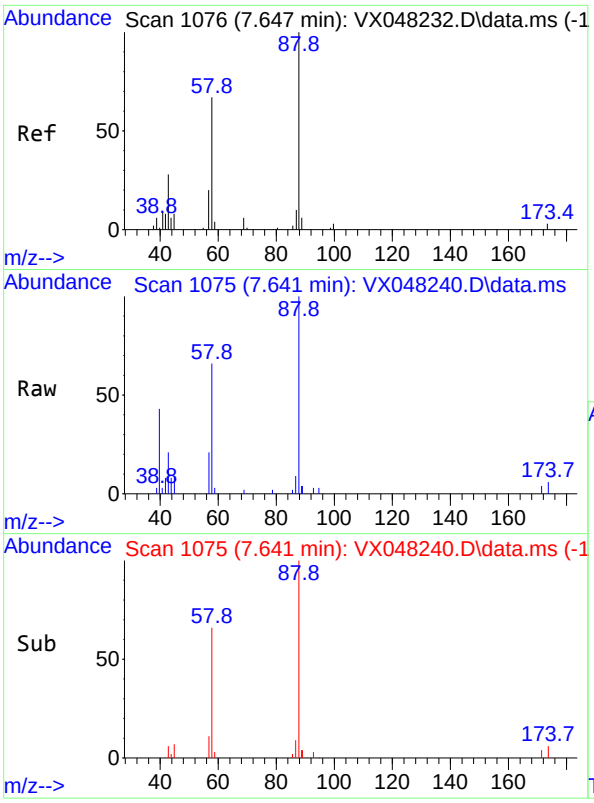




#48
Methyl methacrylate
Concen: 18.432 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 41 Resp: 27258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 87.4 | 63.4 | 95.0 |
| 39 | 58.8 | 47.1 | 70.7 |



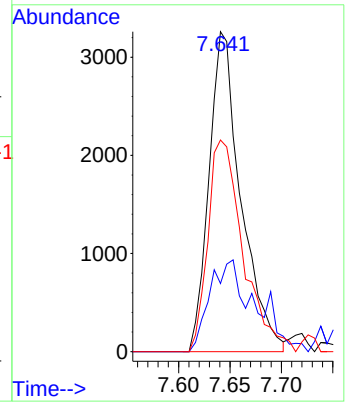


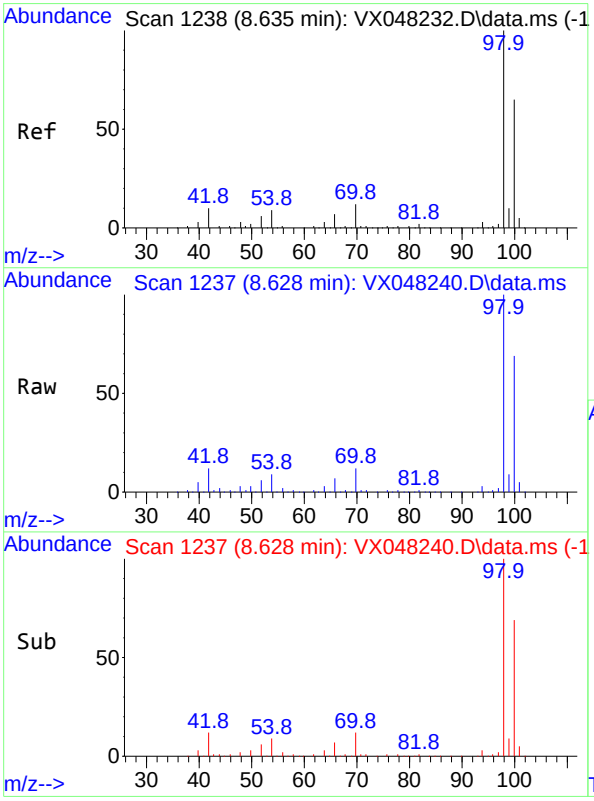

#49
1,4-Dioxane
Concen: 360.230 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 88 Resp: 7038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.7 | 35.0 | 52.4 |
| 58 | 72.9 | 61.9 | 92.9 |

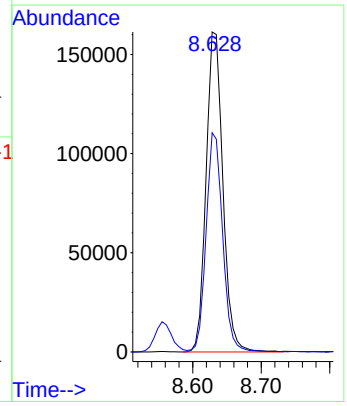


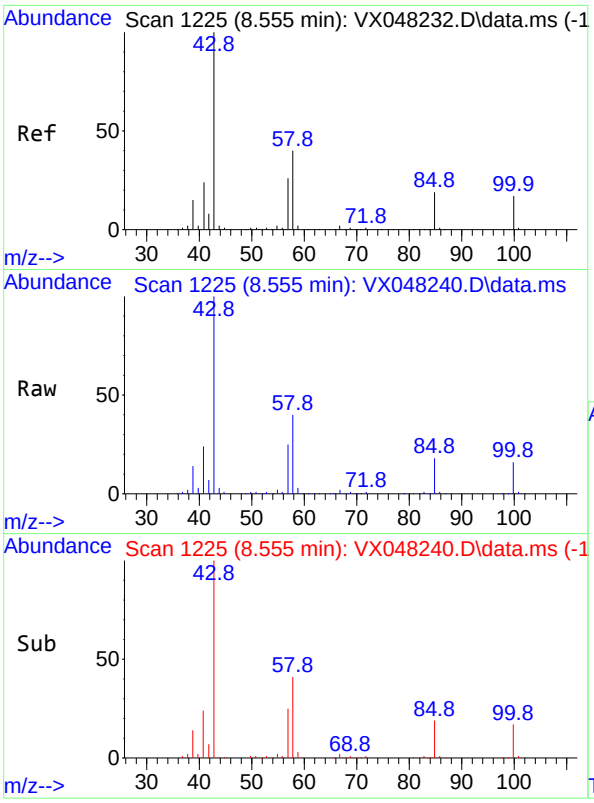




#50
Toluene-d8
Concen: 51.943 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 98 Resp: 275727

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



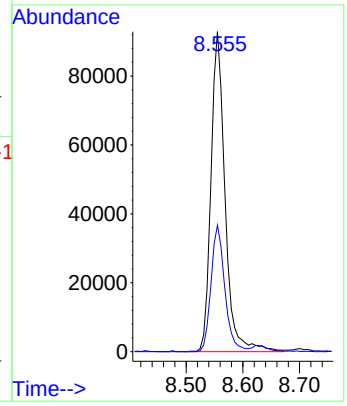


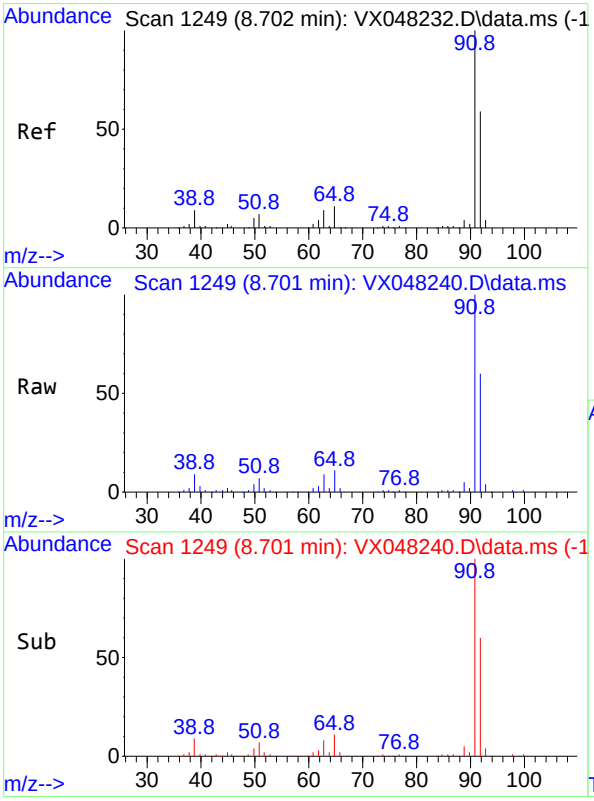

#51
4-Methyl-2-Pentanone
Concen: 94.846 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 43 Resp: 160265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.5 | 29.5 | 44.3 |

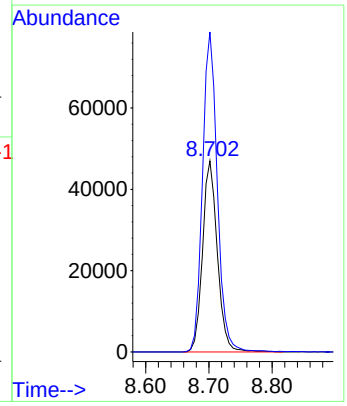


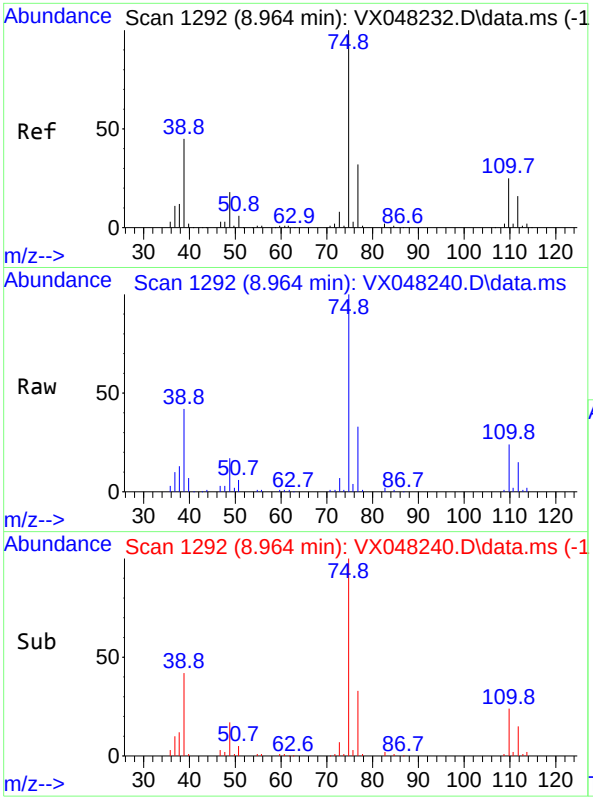




#52
Toluene
Concen: 19.263 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 92 Resp: 76478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 167.7 | 136.1 | 204.1 |



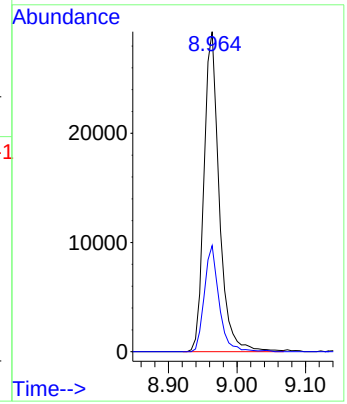


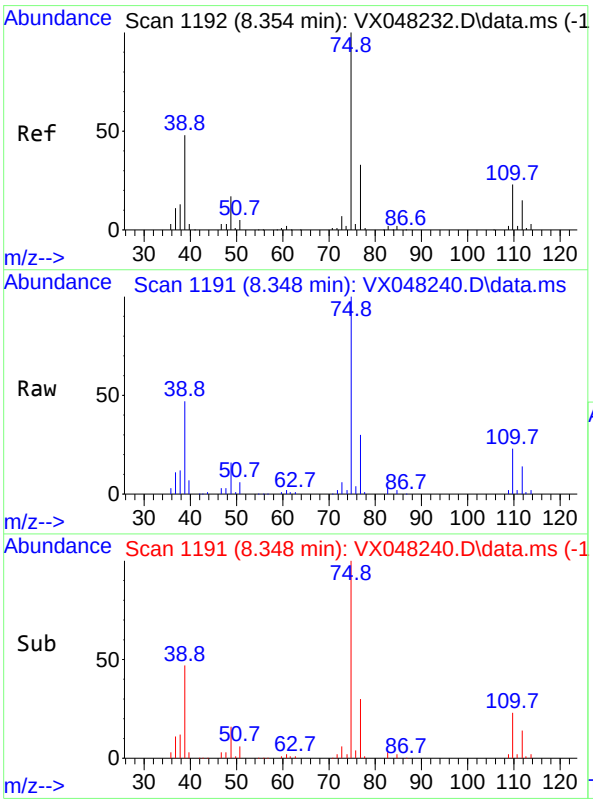

#53
t-1,3-Dichloropropene
Concen: 18.884 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 75 Resp: 45485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 25.0 | 37.6 |

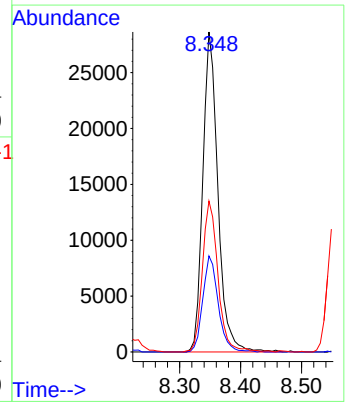


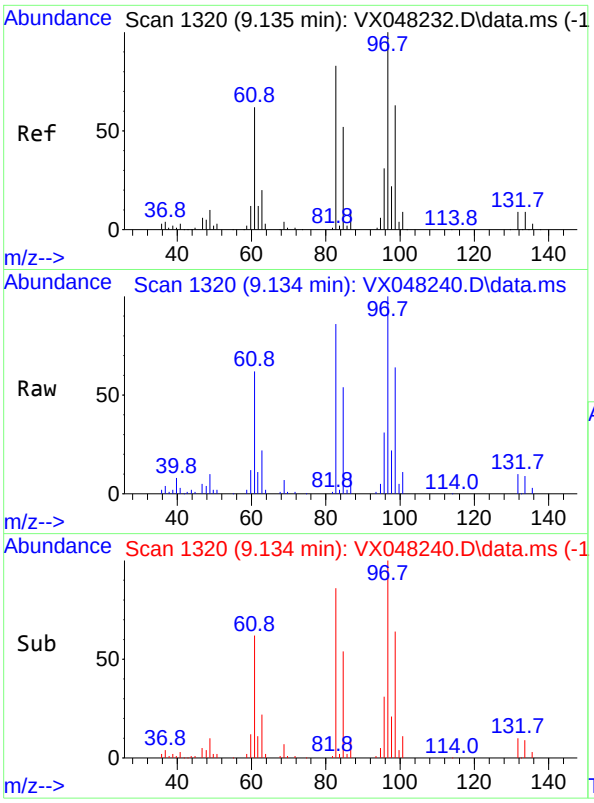




#54
cis-1,3-Dichloropropene
Concen: 18.953 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 75 Resp: 49253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.0 | 24.9 | 37.3 |
| 39 | 54.3 | 42.6 | 64.0 |



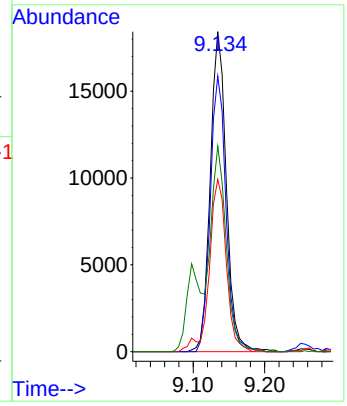


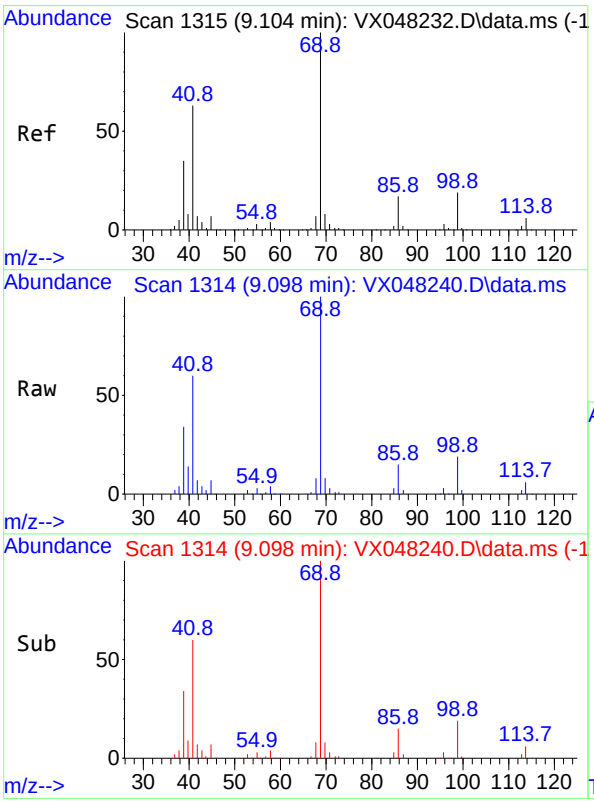

#55
1,1,2-Trichloroethane
Concen: 19.537 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 97 Resp: 28845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.1 | 70.6 | 105.8 |
| 85 | 53.8 | 45.0 | 67.6 |
| 99 | 64.2 | 50.9 | 76.3 |

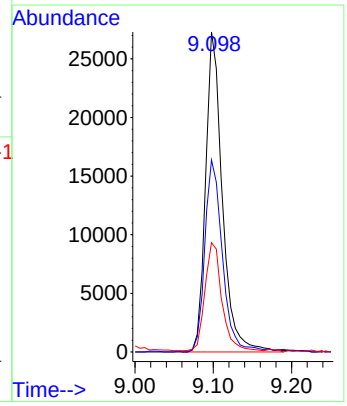


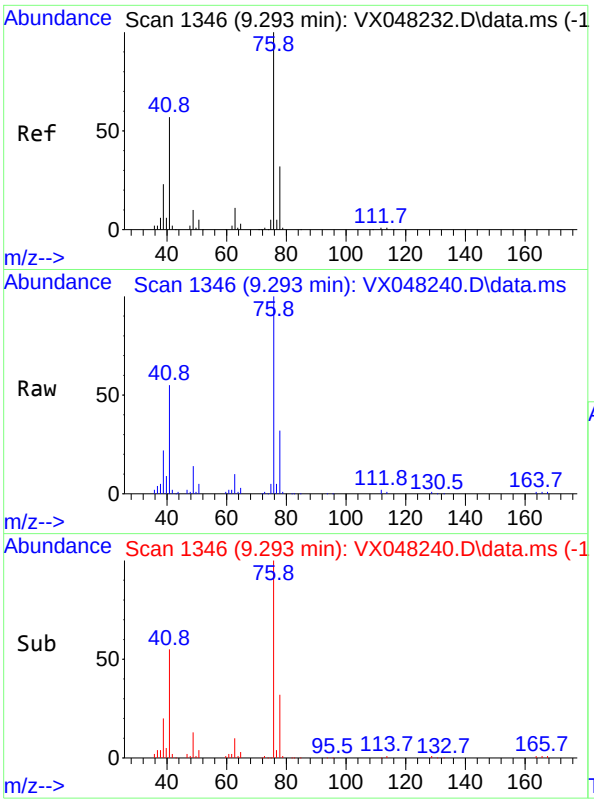




#56
Ethyl methacrylate
Concen: 18.774 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 69 Resp: 40543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.0 | 56.0 | 84.0 |
| 39 | 34.2 | 31.6 | 47.4 |



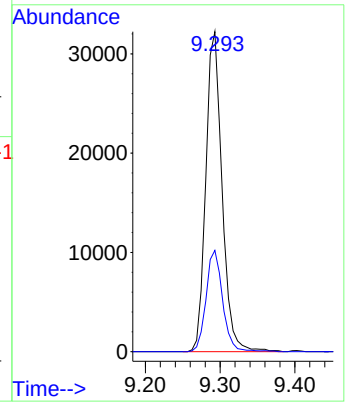


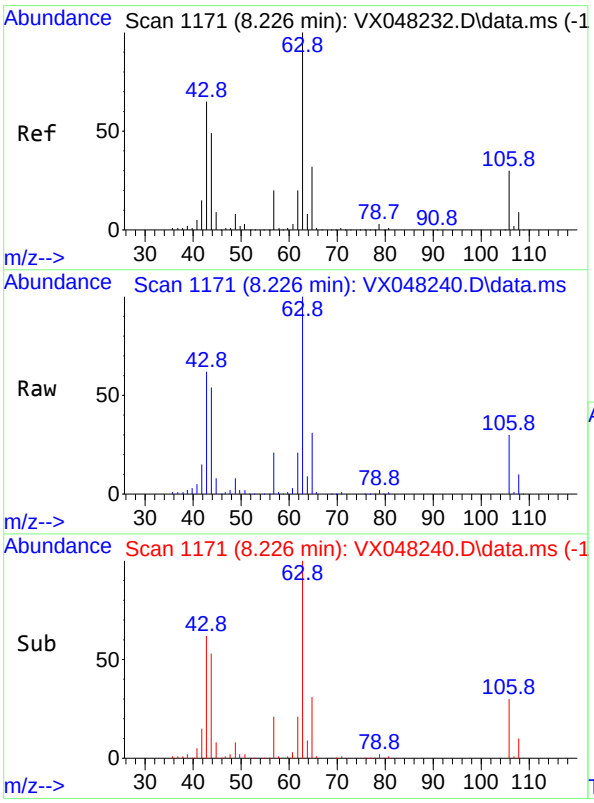

#57
1,3-Dichloropropane
Concen: 19.277 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 76 Resp: 48615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.4 | 38.0 |

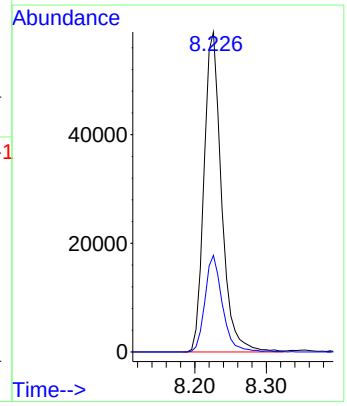


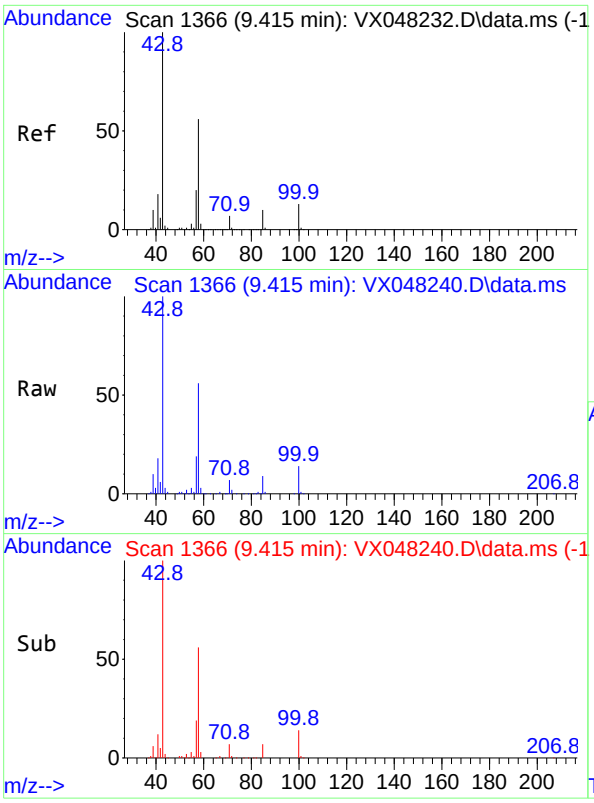




#58
2-Chloroethyl Vinyl ether
Concen: 87.448 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 63 Resp: 100252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.1 | 22.2 | 33.2 |



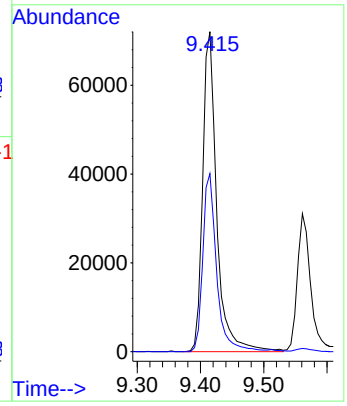


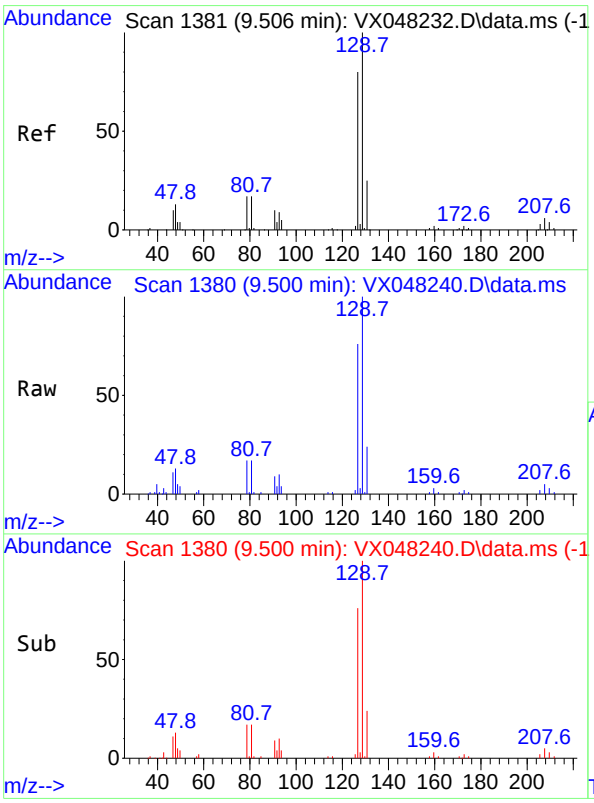

#59
2-Hexanone
Concen: 94.586 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 43 Resp: 111445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.7 | 26.3 | 78.8 |

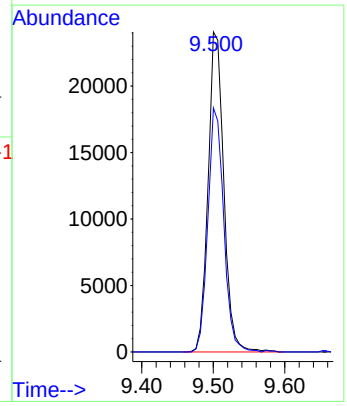


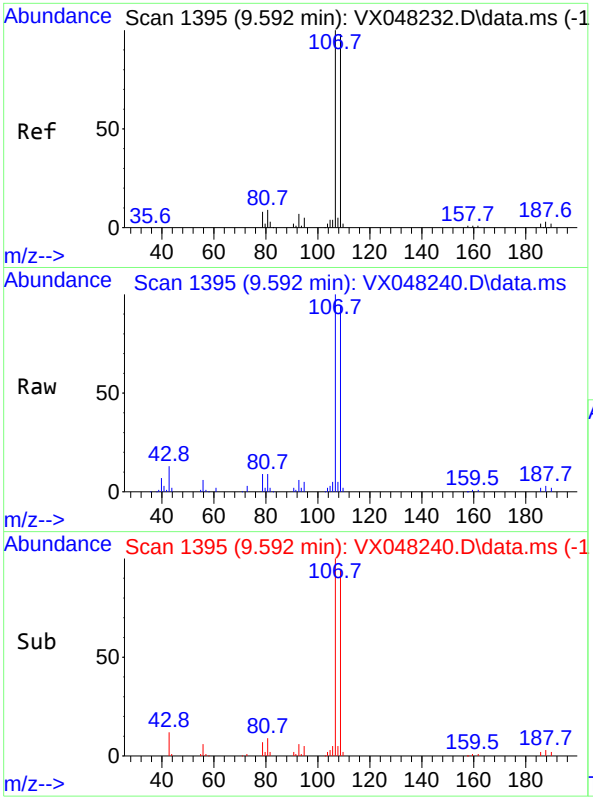




#60
Dibromochloromethane
Concen: 18.502 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:129 Resp: 36715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.0 | 38.6 | 115.7 |



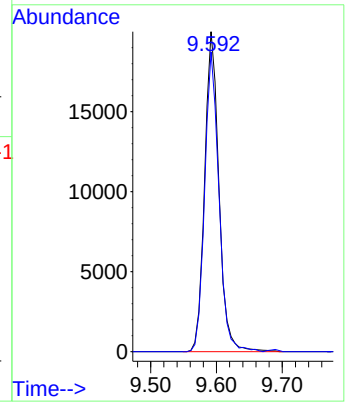


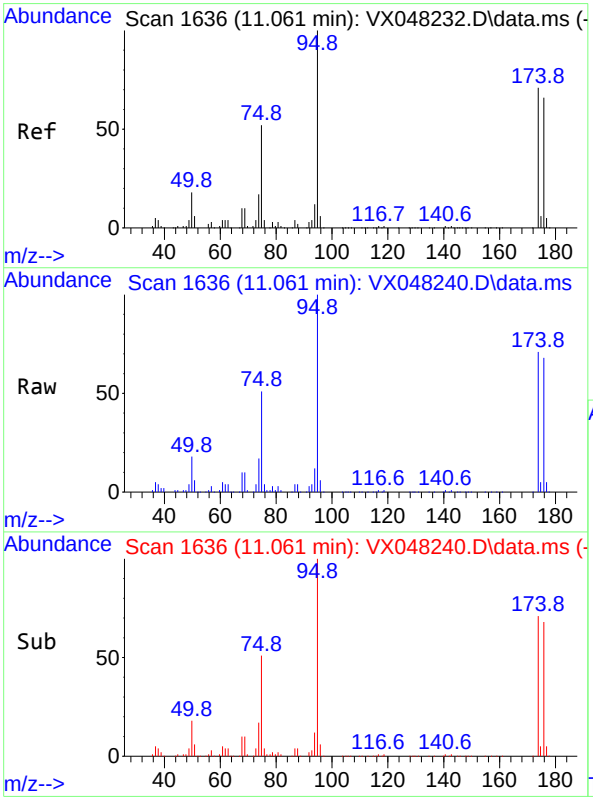

#61
1,2-Dibromoethane
Concen: 19.146 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:107 Resp: 30136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.4 | 77.0 | 115.4 |

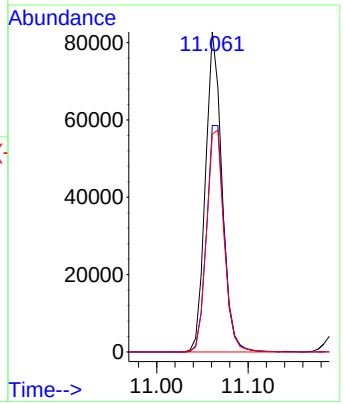


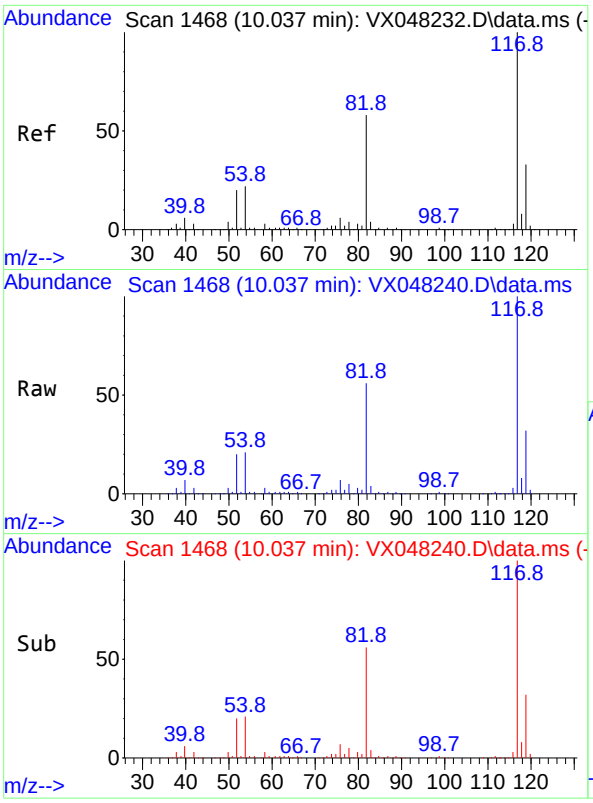




#62
4-Bromofluorobenzene
Concen: 51.072 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 95 Resp: 103135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.5 | 0.0 | 147.8 |
| 176 | 73.8 | 0.0 | 142.8 |



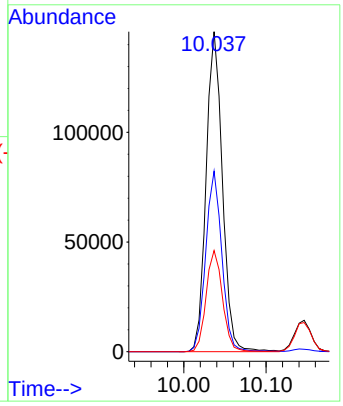


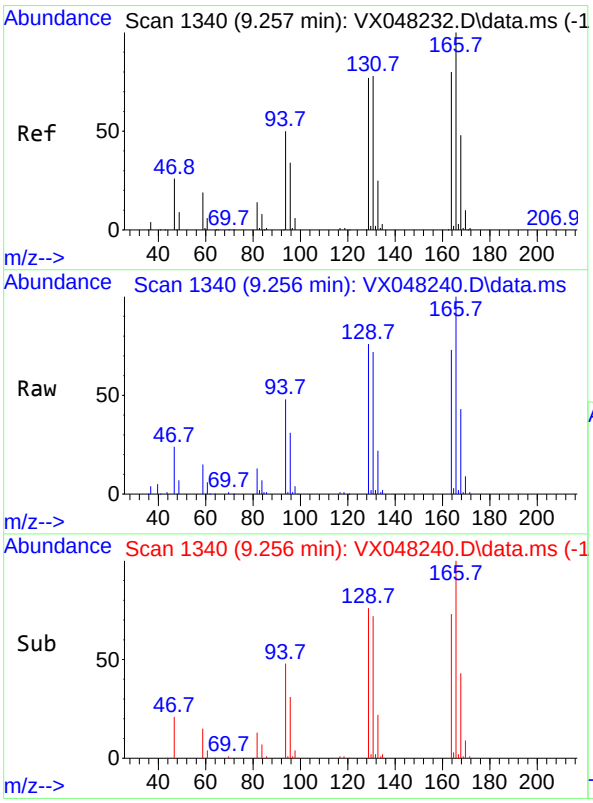

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:117 Resp: 200515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 46.5 | 69.7 |
| 119 | 31.6 | 25.9 | 38.9 |

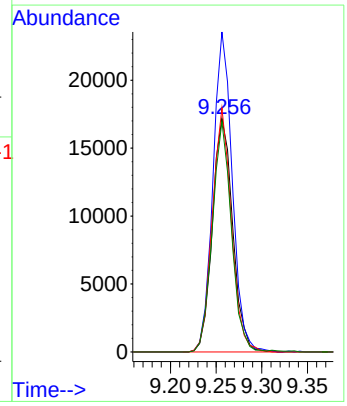


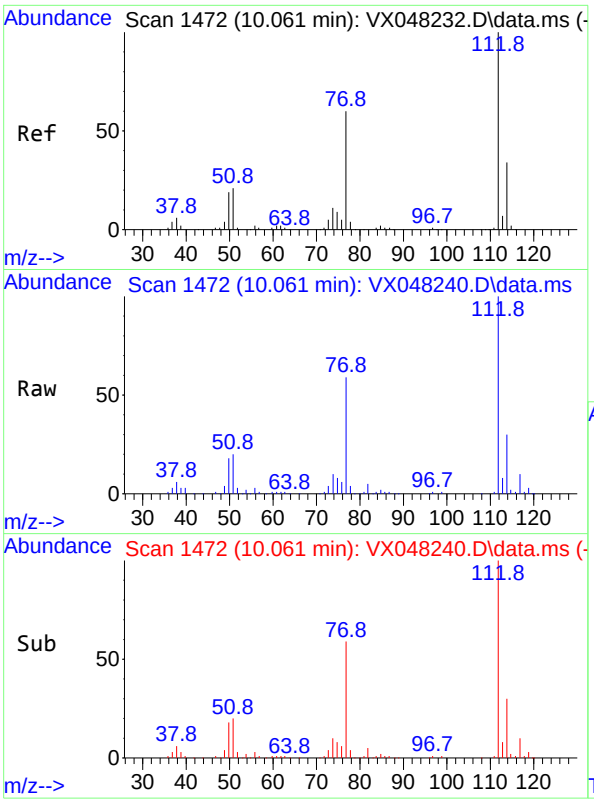




#64
Tetrachloroethene
Concen: 17.678 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:164 Resp: 26462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 137.1 | 104.5 | 156.7 |
| 129 | 104.4 | 81.8 | 122.6 |
| 131 | 98.7 | 77.0 | 115.6 |



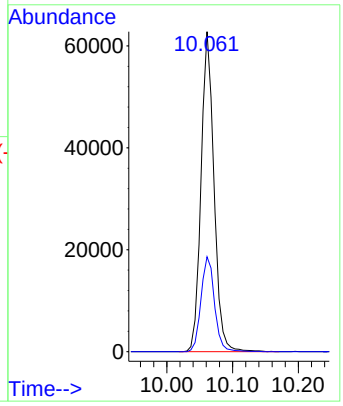


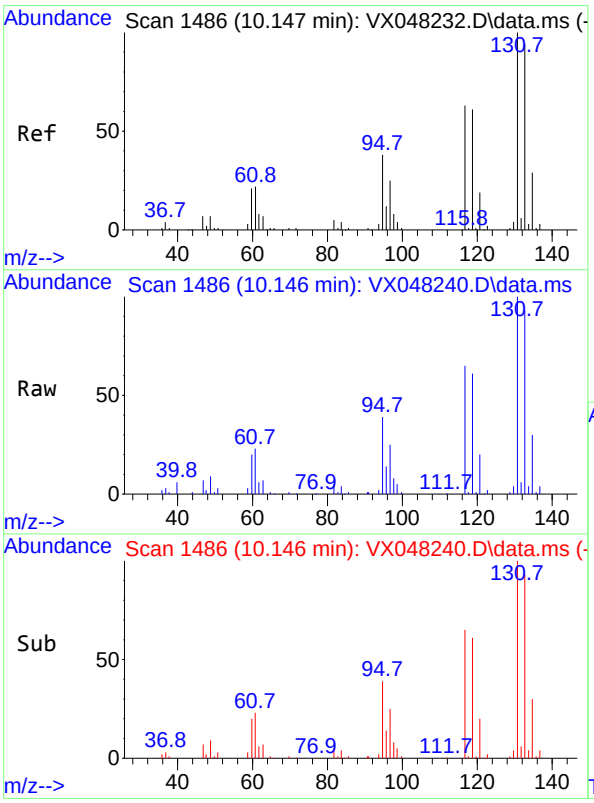

#65
Chlorobenzene
Concen: 19.036 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:112 Resp: 85866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 29.7 | 26.2 | 39.2 |

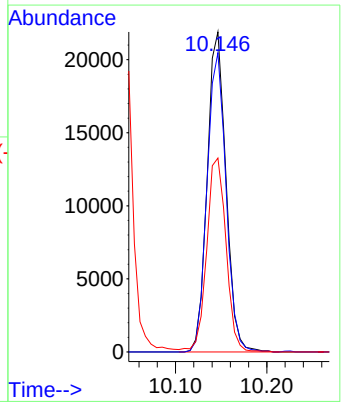


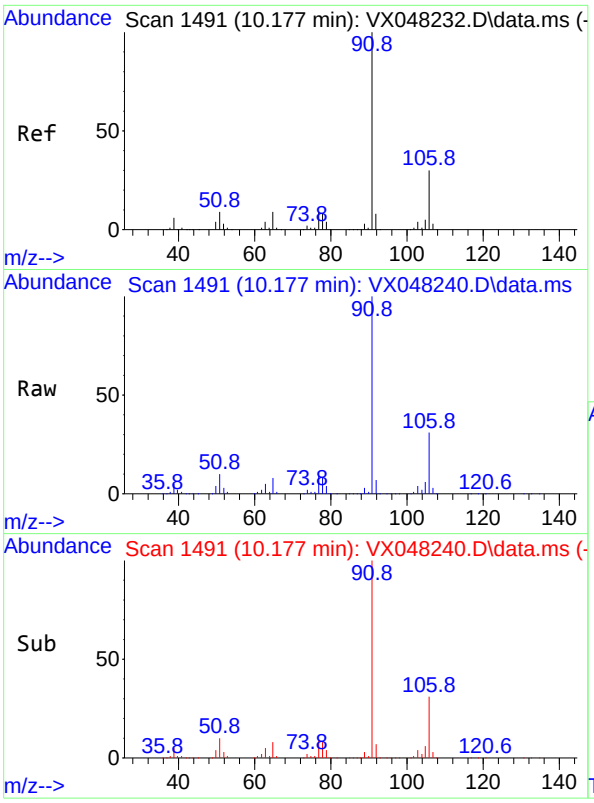




#66
1,1,1,2-Tetrachloroethane
Concen: 18.790 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:131 Resp: 31130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.6 | 47.6 | 142.8 |
| 119 | 62.5 | 32.5 | 97.5 |



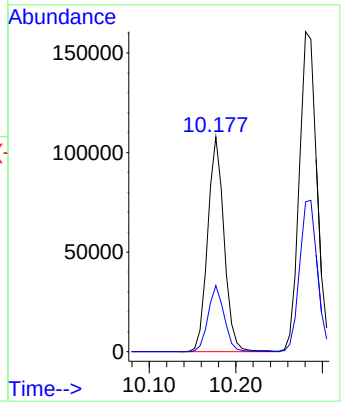


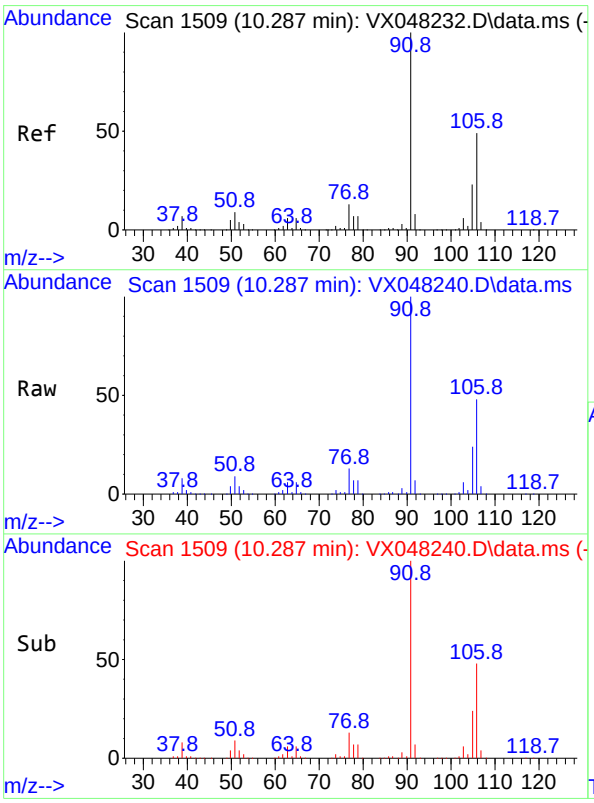

#67
Ethyl Benzene
Concen: 18.464 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 91 Resp: 141796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.8 | 23.8 | 35.6 |

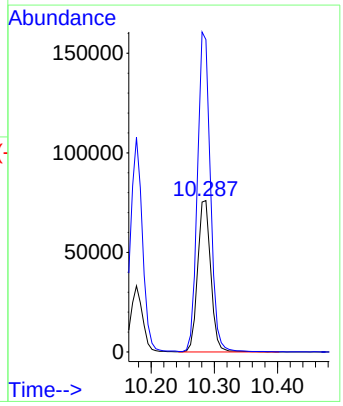


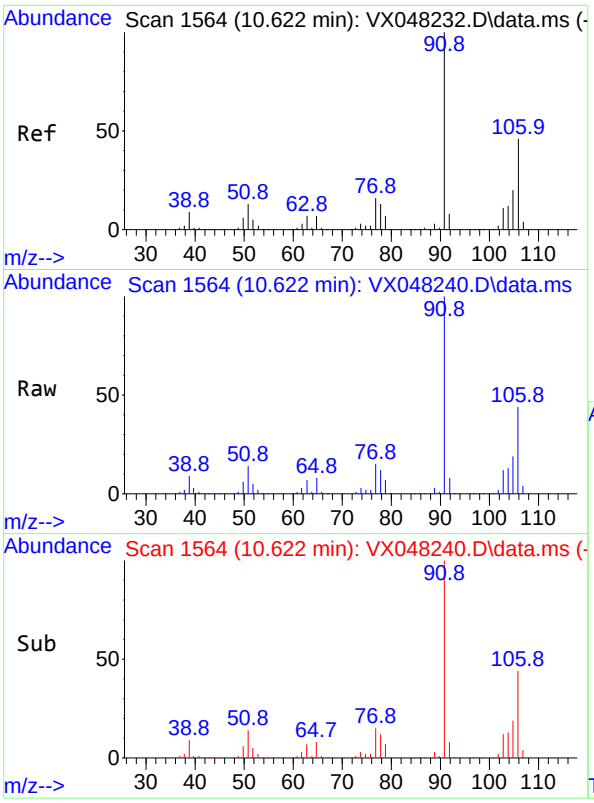




#68
m/p-Xylenes
Concen: 38.506 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:106 Resp: 109872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.6 | 167.9 | 251.9 |



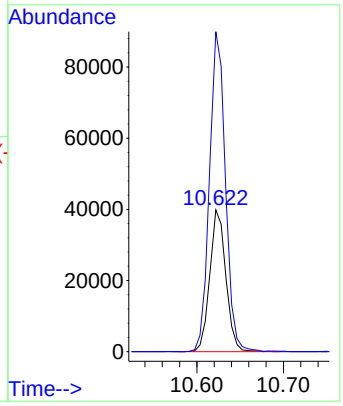


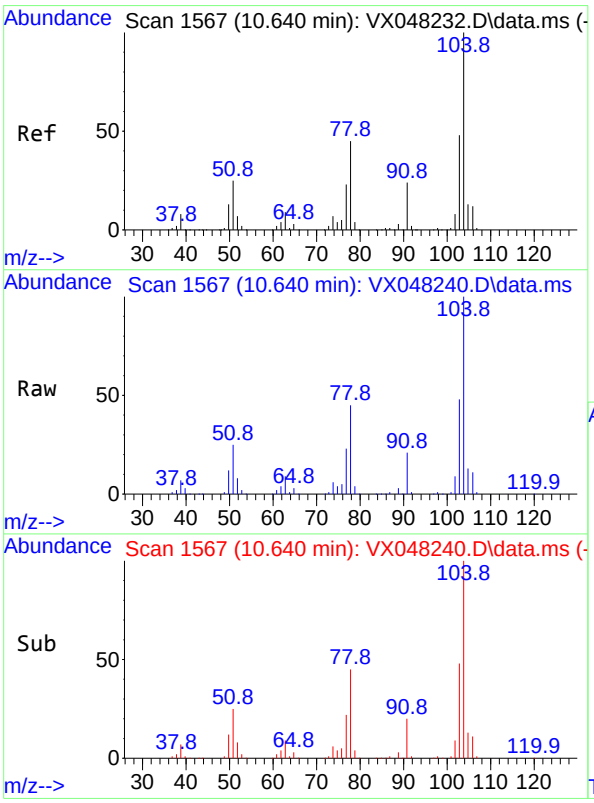

#69
o-Xylene
Concen: 18.685 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:106 Resp: 51473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.6 | 111.3 | 333.9 |

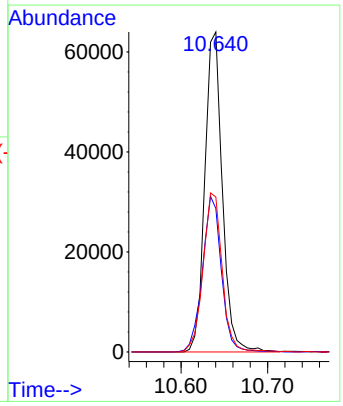


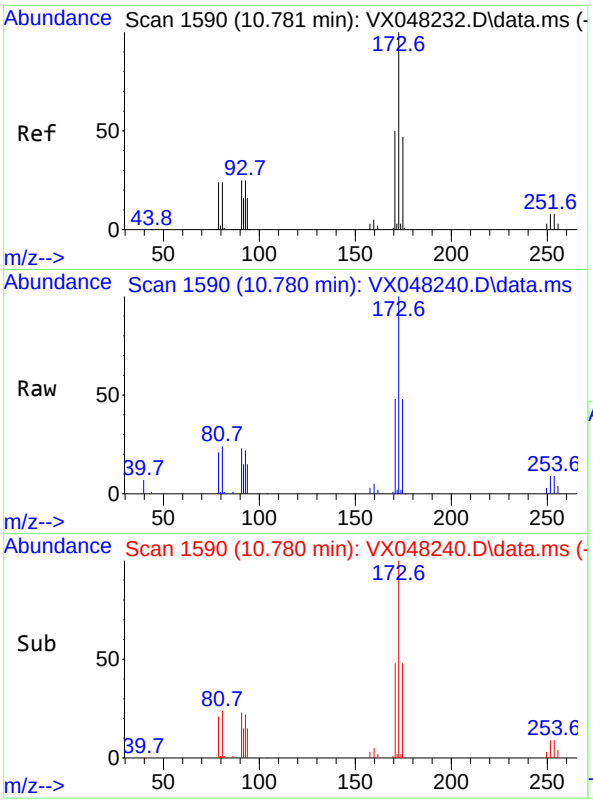




#70
Styrene
Concen: 19.141 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:104 Resp: 89782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.8 | 42.2 | 63.4 |
| 103 | 54.4 | 43.0 | 64.4 |



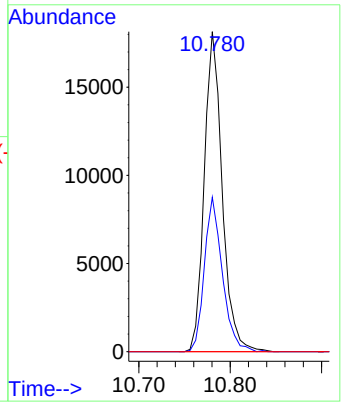


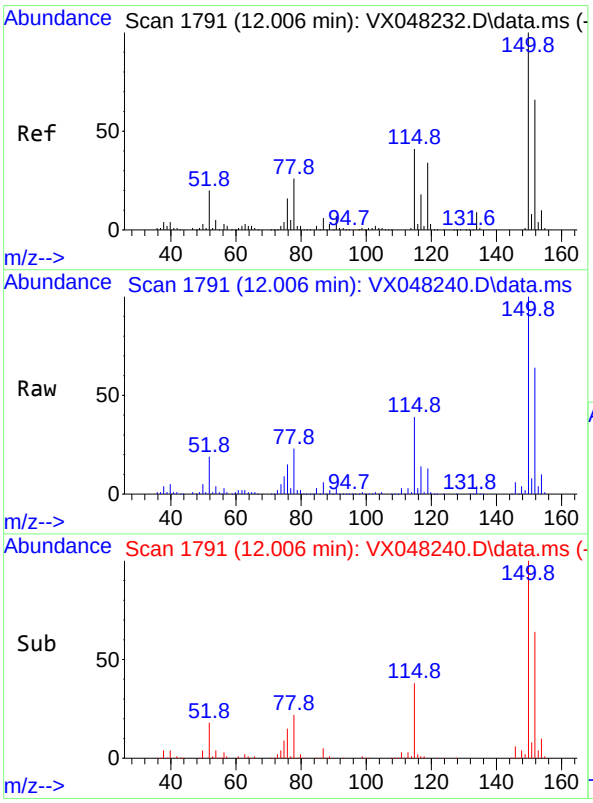

#71
Bromoform
Concen: 18.645 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:173 Resp: 24689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |

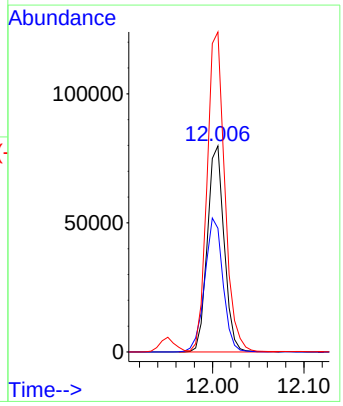


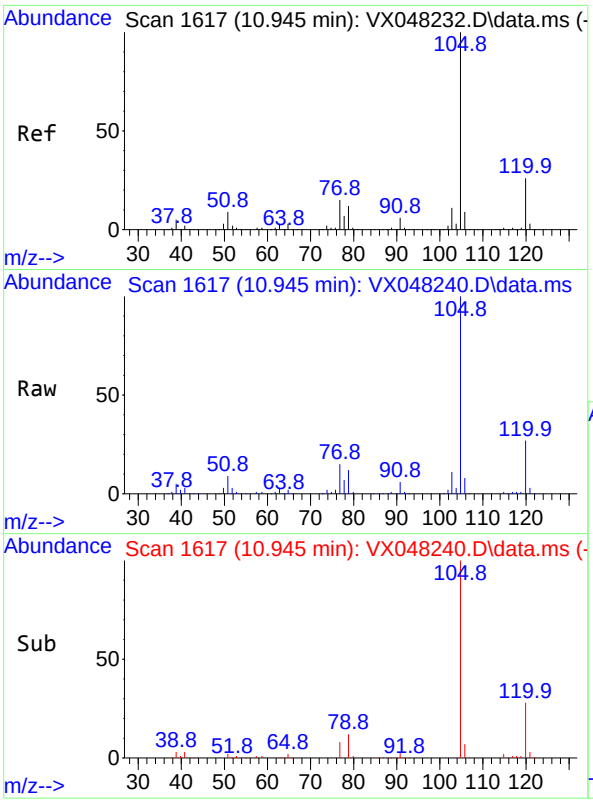




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:152 Resp: 101575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.4 | 43.1 | 129.4 |
| 150 | 163.3 | 0.0 | 353.0 |



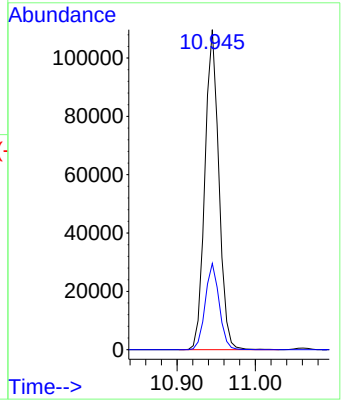


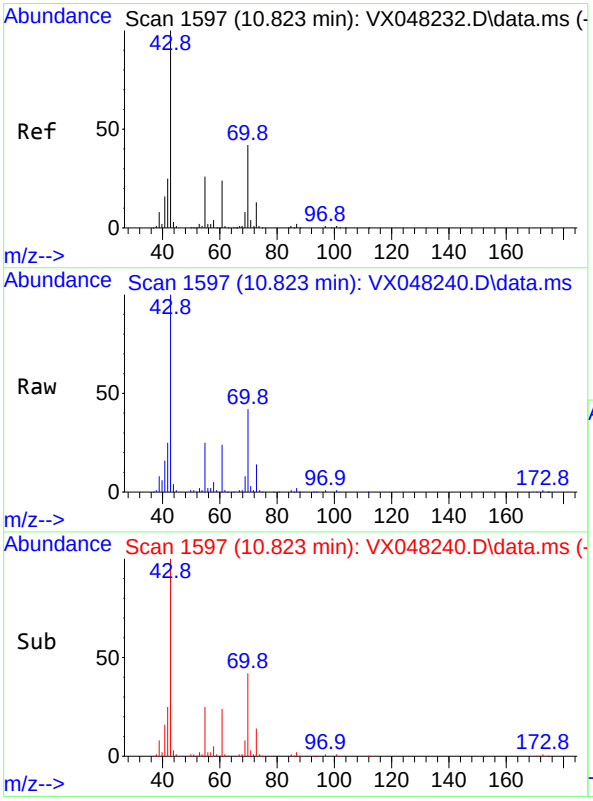

#73
Isopropylbenzene
Concen: 18.256 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:105 Resp: 135441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.8 | 13.0 | 38.9 |

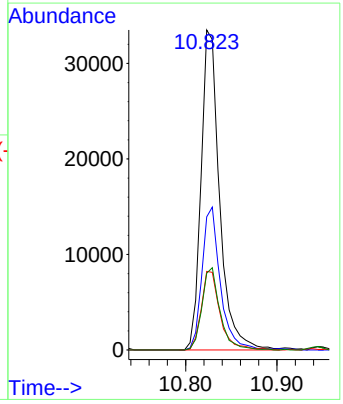


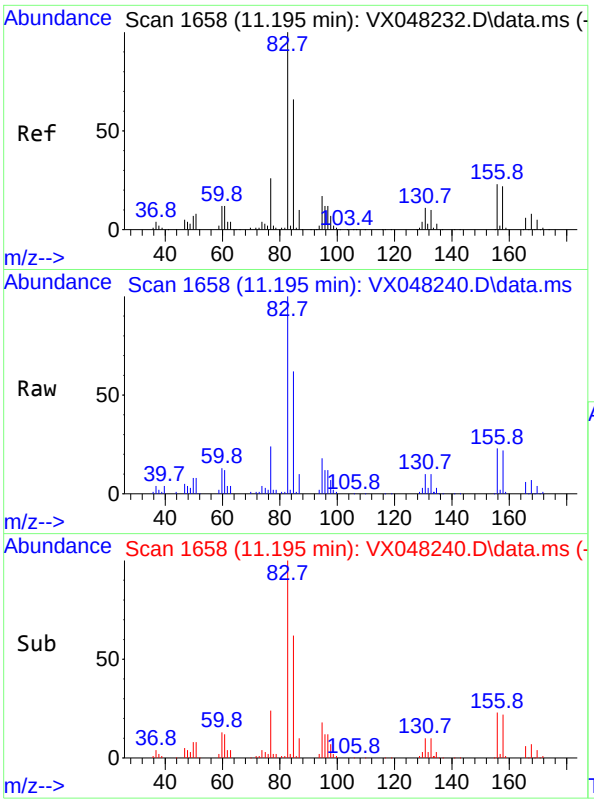




#74
N-amyl acetate
Concen: 17.942 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 43 Resp: 47216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.5 | 32.2 | 48.2 |
| 55 | 25.0 | 19.1 | 28.7 |
| 61 | 25.0 | 18.6 | 28.0 |



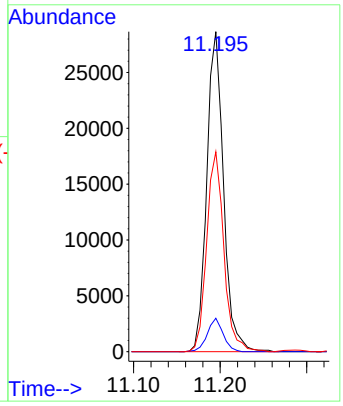


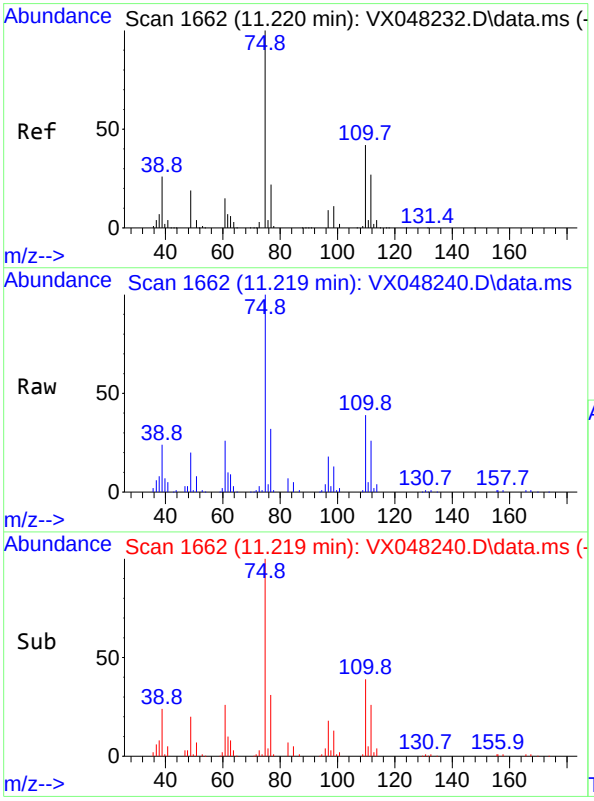

#75
1,1,2,2-Tetrachloroethane
Concen: 18.992 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 83 Resp: 38478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 4.8 | 14.4 |
| 85 | 64.2 | 31.9 | 95.7 |

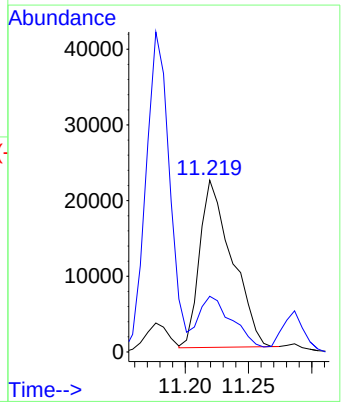


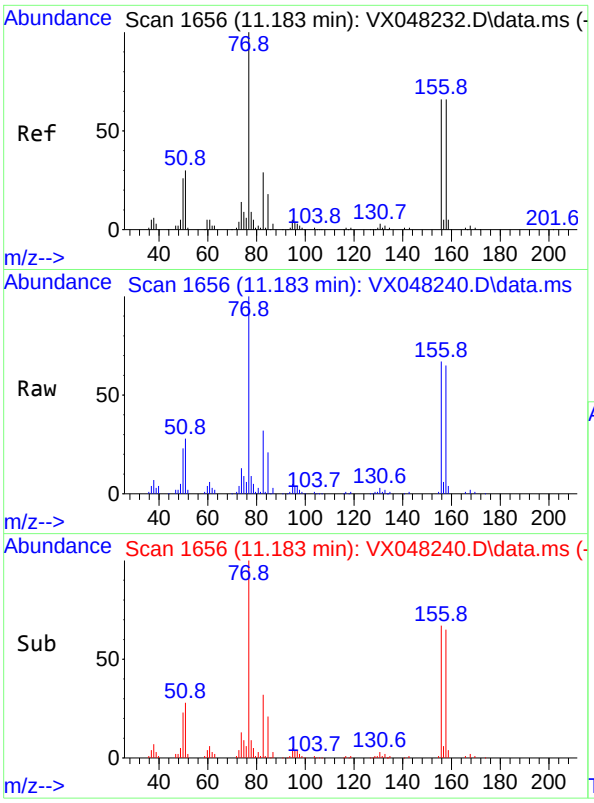




#76
1,2,3-Trichloropropane
Concen: 23.867 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 75 Resp: 39314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 36.3 | 22.4 | 67.2 |



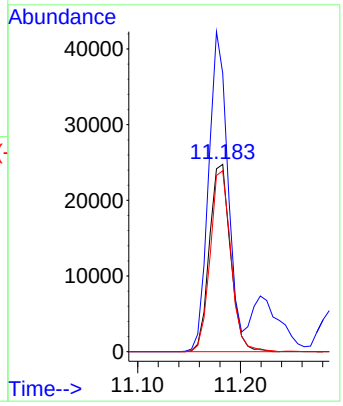


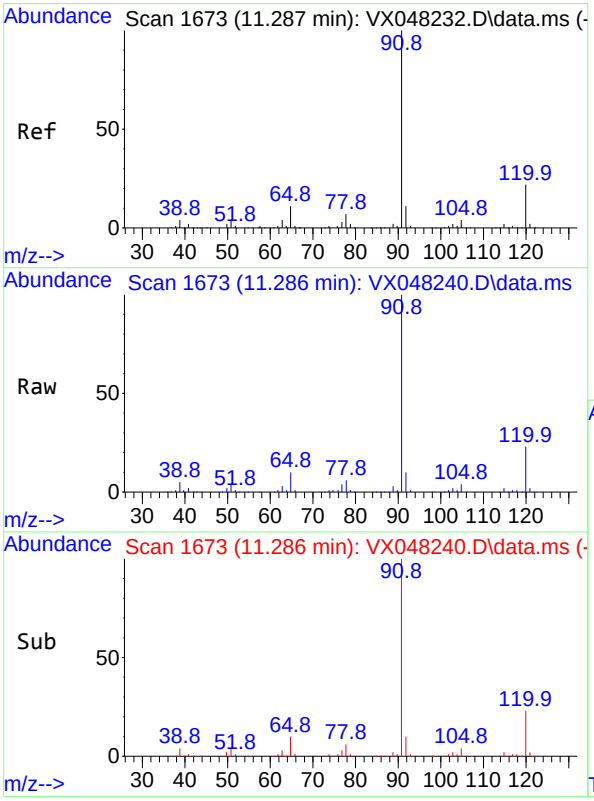

#77
Bromobenzene
Concen: 18.883 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:156 Resp: 35128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 156.7 | 87.0 | 261.0 |
| 158 | 94.9 | 47.8 | 143.4 |

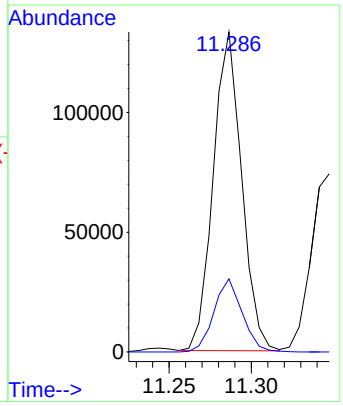


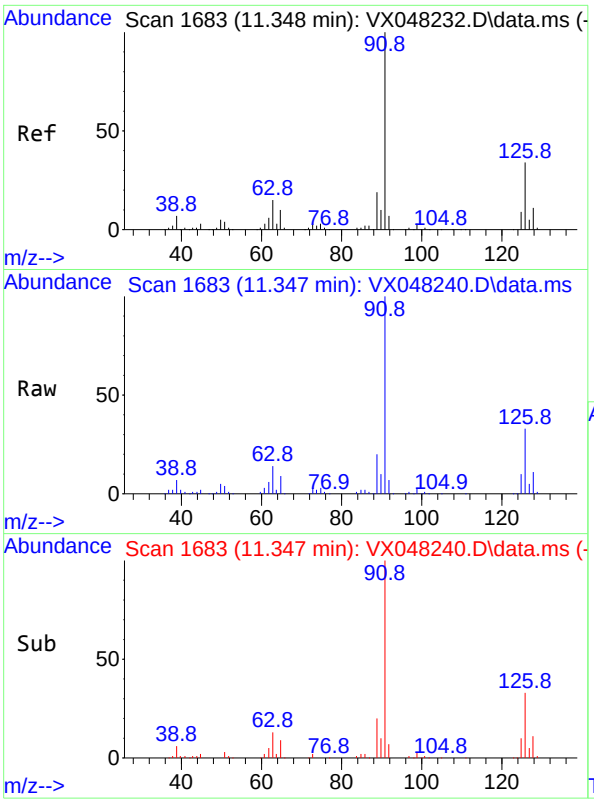




#78
n-propylbenzene
Concen: 18.563 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 91 Resp: 159455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.1 | 33.1 |



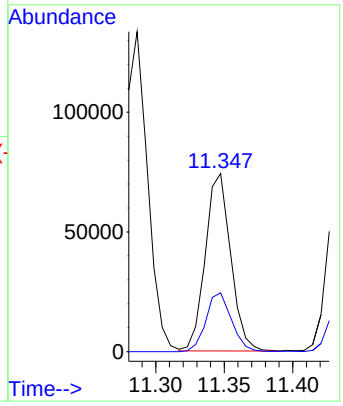


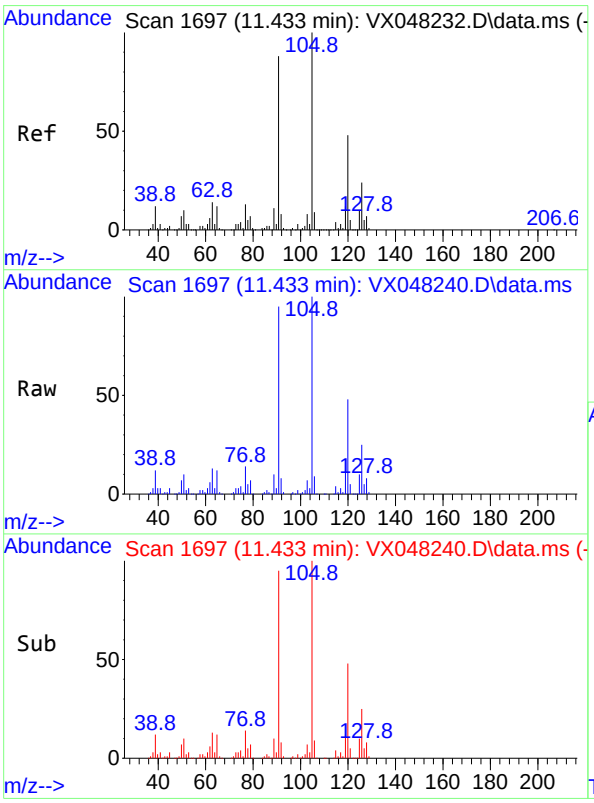

#79
2-Chlorotoluene
Concen: 18.331 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 91 Resp: 95469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.5 | 16.4 | 49.4 |

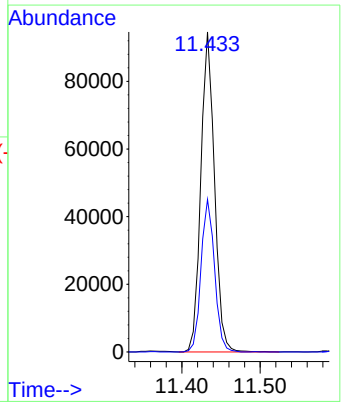


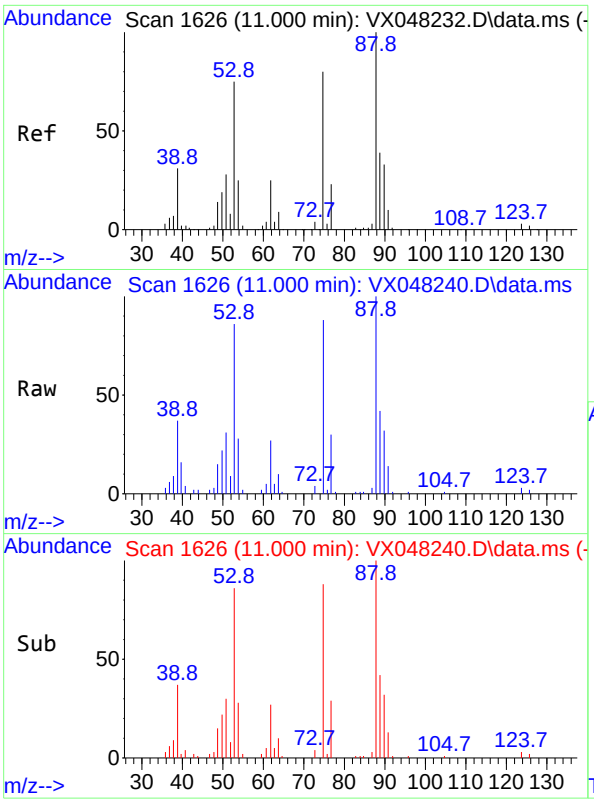




#80
1,3,5-Trimethylbenzene
Concen: 18.597 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:105 Resp: 114180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.2 | 24.0 | 72.0 |



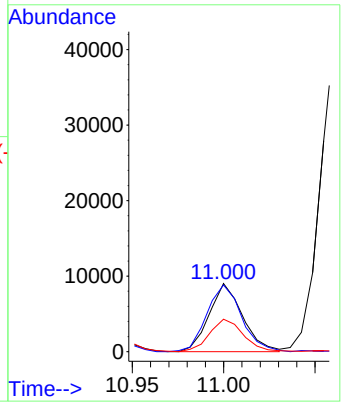


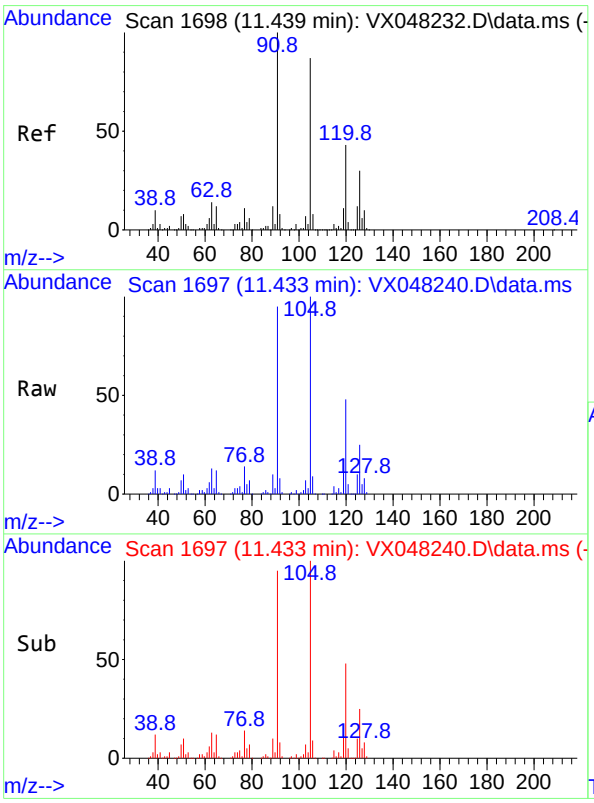

#81
trans-1,4-Dichloro-2-butene
Concen: 16.997 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 75 Resp: 11508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 101.6 | 79.5 | 119.3 |
| 89 | 48.5 | 36.8 | 55.2 |

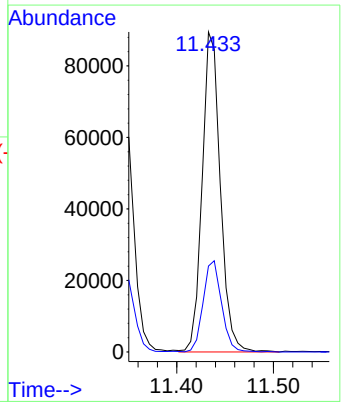


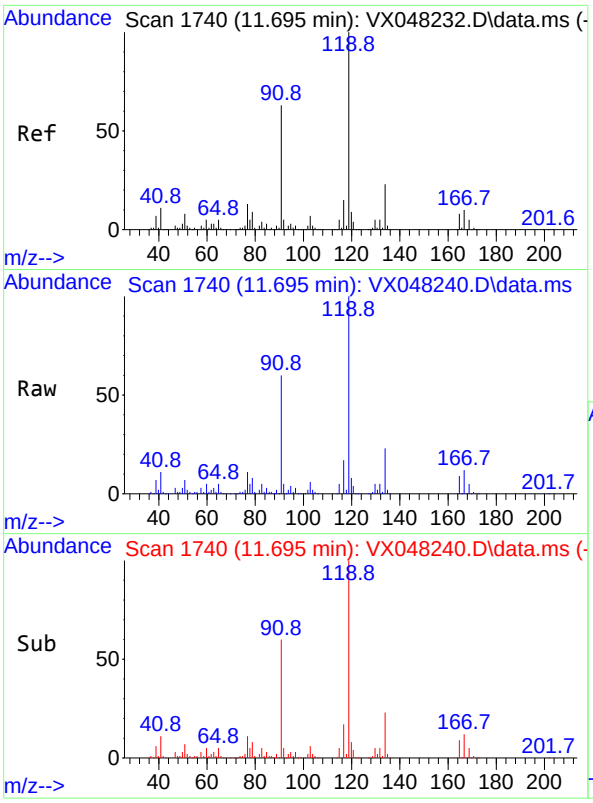




#82
4-Chlorotoluene
Concen: 18.938 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 91 Resp: 117079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.9 | 14.1 | 42.4 |



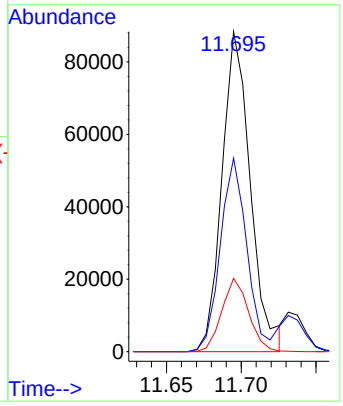


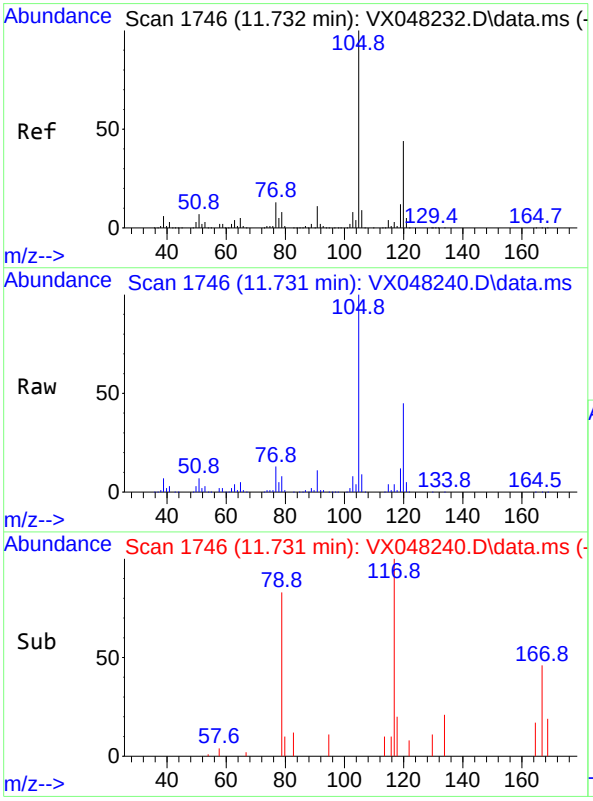

#83
tert-Butylbenzene
Concen: 18.471 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:119 Resp: 116521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 56.6 | 30.3 | 91.0 |
| 134 | 21.7 | 11.4 | 34.2 |

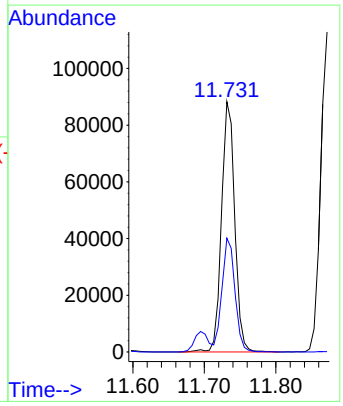


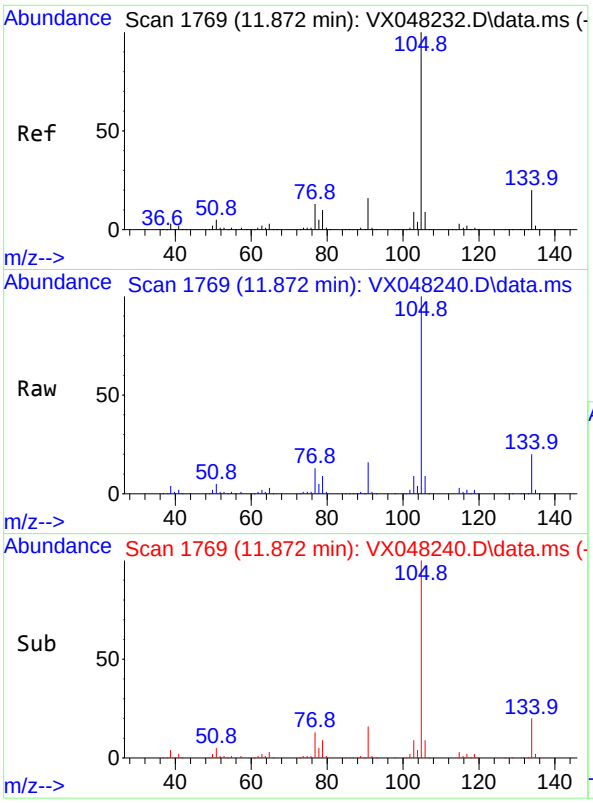




#84
1,2,4-Trimethylbenzene
Concen: 18.509 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:105 Resp: 113408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.5 | 22.1 | 66.5 |



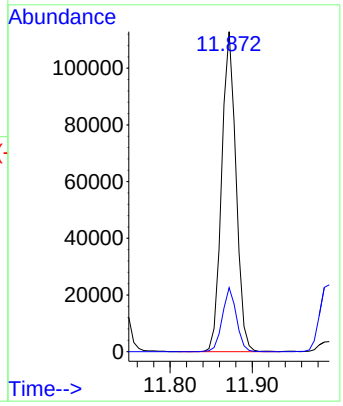


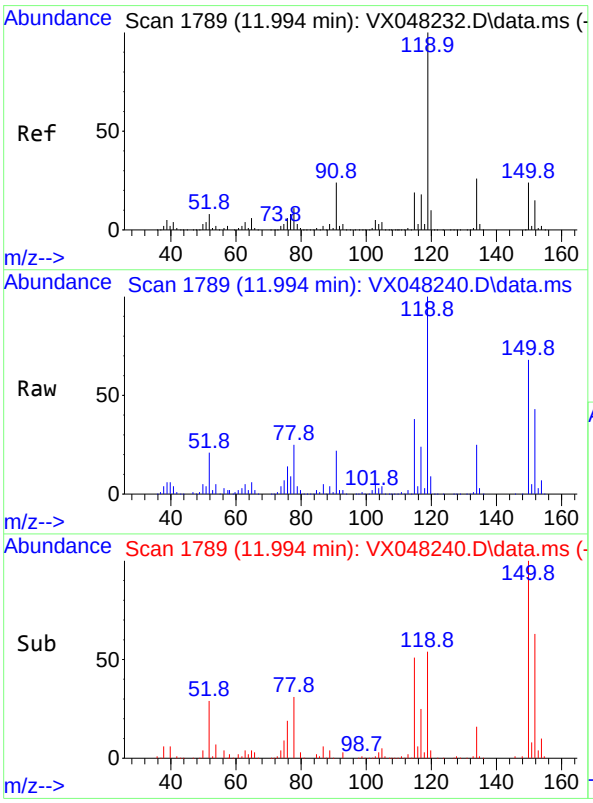

#85
sec-Butylbenzene
Concen: 18.036 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:105 Resp: 136883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.6 | 10.1 | 30.1 |

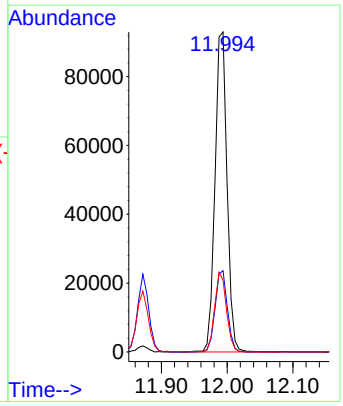


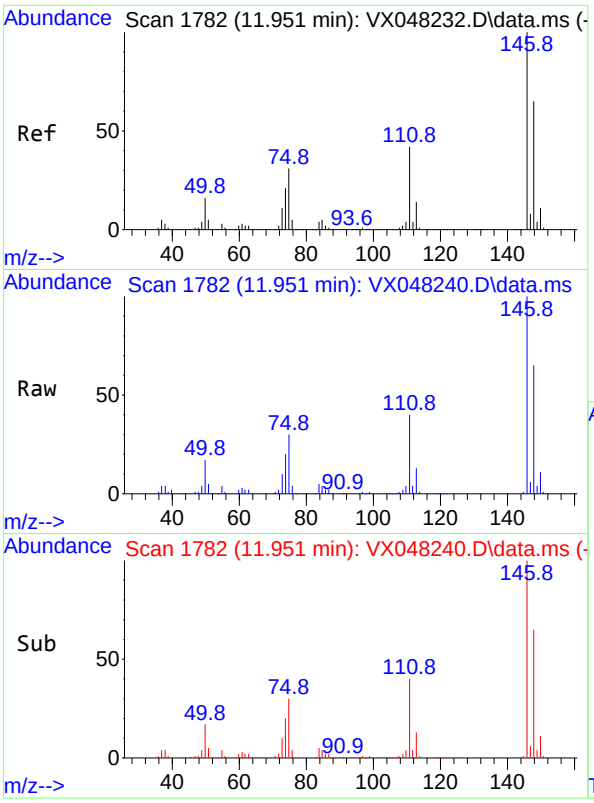




#86
p-Isopropyltoluene
Concen: 18.053 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:119 Resp: 118427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 13.0 | 39.0 |
| 91 | 24.5 | 12.1 | 36.3 |



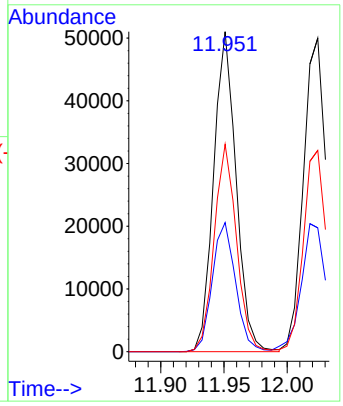


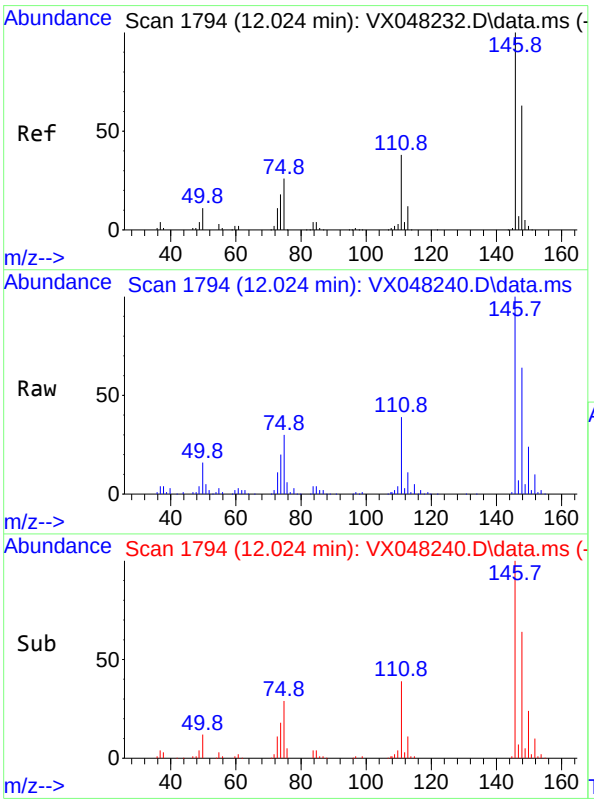

#87
1,3-Dichlorobenzene
Concen: 17.970 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:146 Resp: 63018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.9 | 20.4 | 61.2 |
| 148 | 64.3 | 31.9 | 95.9 |

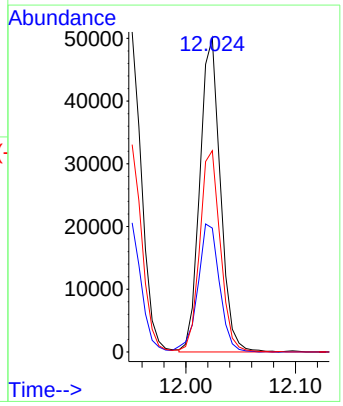


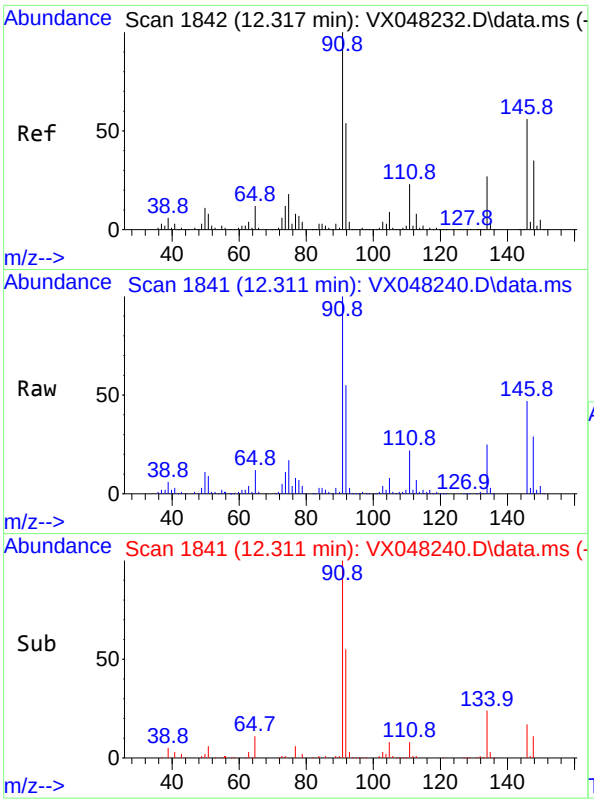




#88
1,4-Dichlorobenzene
Concen: 17.912 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:146 Resp: 65076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.9 | 20.1 | 60.2 |
| 148 | 64.3 | 31.8 | 95.3 |



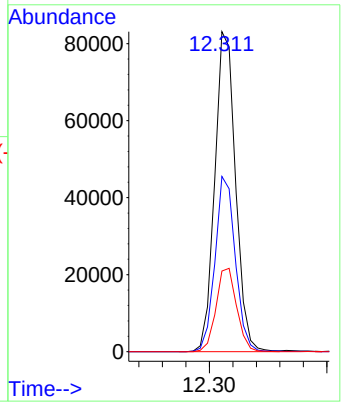


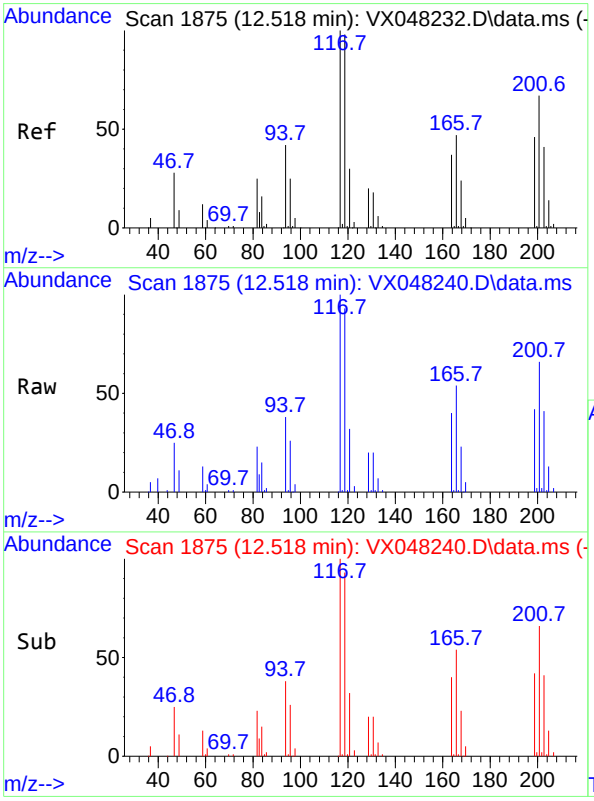

#89
n-Butylbenzene
Concen: 17.110 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion: 91 Resp: 102164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 26.9 | 80.6 |
| 134 | 26.0 | 12.7 | 38.1 |

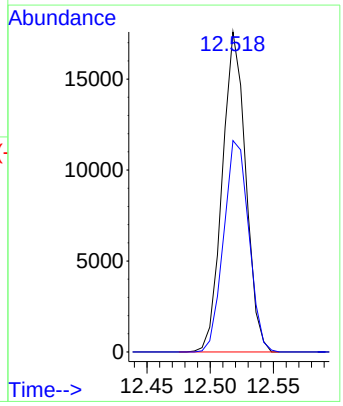


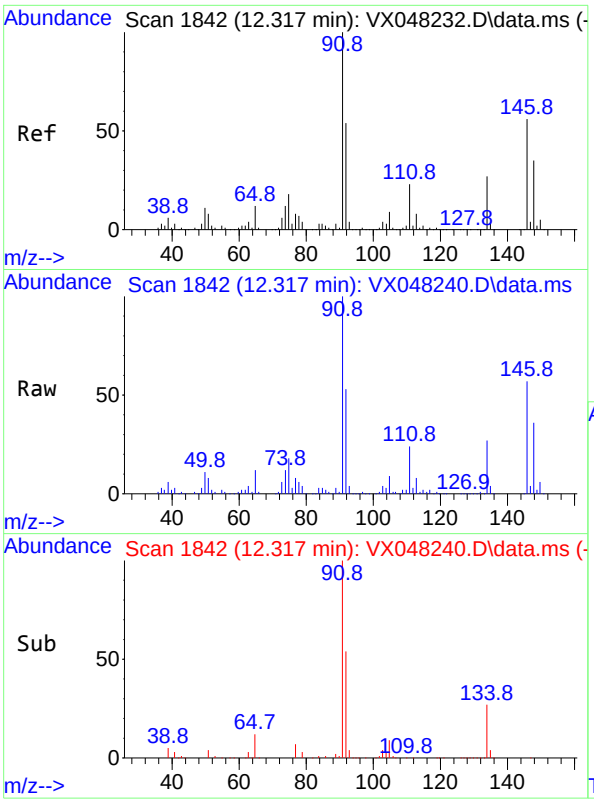




#90
Hexachloroethane
Concen: 17.480 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:117 Resp: 22644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.8 | 34.1 | 102.2 |



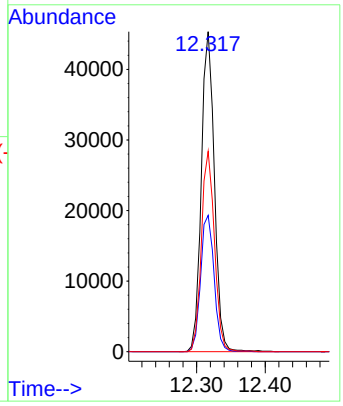


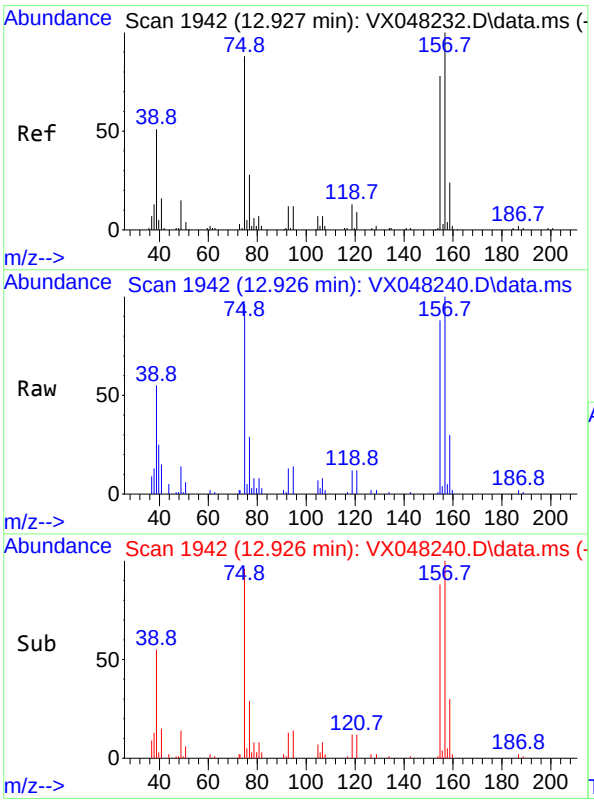

#91
1,2-Dichlorobenzene
Concen: 18.277 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:146 Resp: 60180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 21.9 | 65.5 |
| 148 | 62.9 | 31.9 | 95.5 |

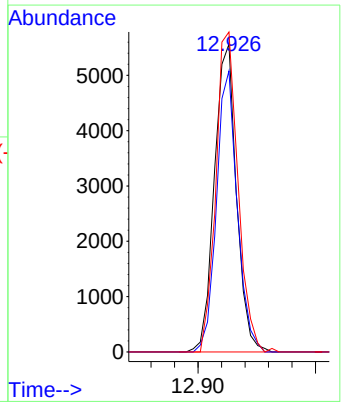


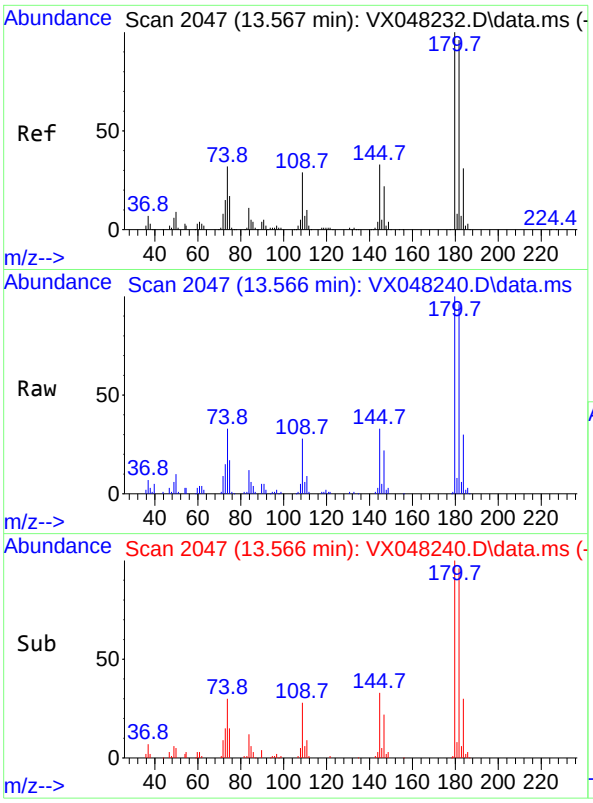




#92
1,2-Dibromo-3-Chloropropane
Concen: 17.612 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion: 75 Resp: 7243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.1 | 42.8 | 128.4 |
| 157 | 104.5 | 54.2 | 162.6 |



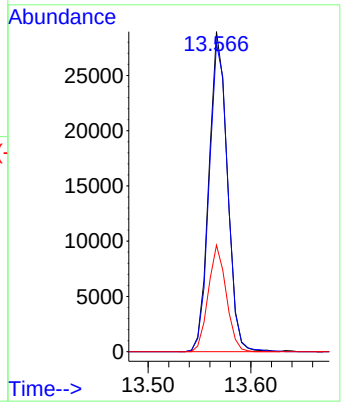


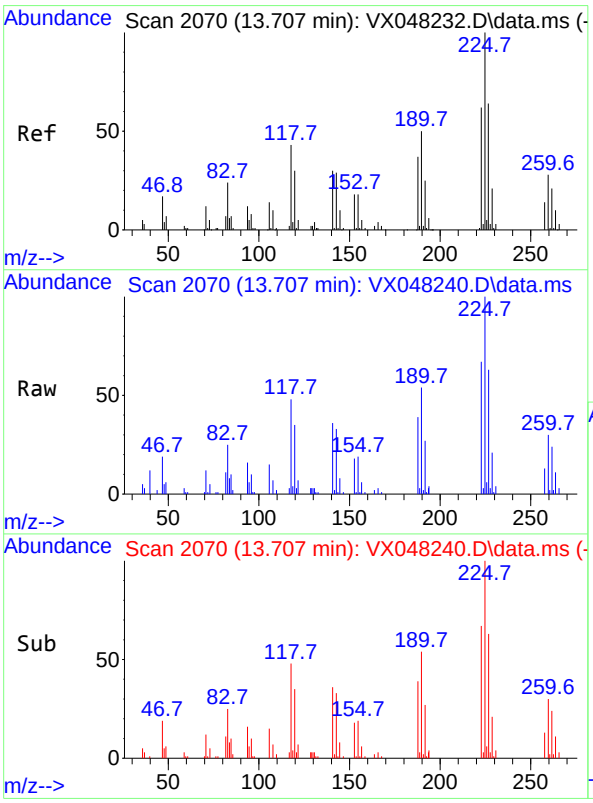

#93
1,2,4-Trichlorobenzene
Concen: 16.119 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:180 Resp: 35892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.5 | 47.3 | 142.0 |
| 145 | 32.5 | 16.3 | 48.9 |

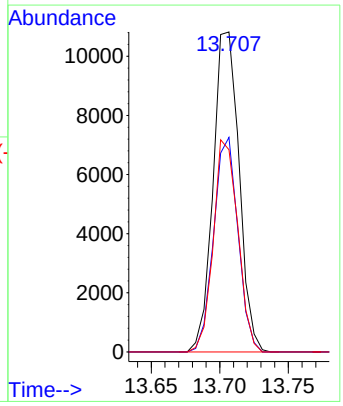


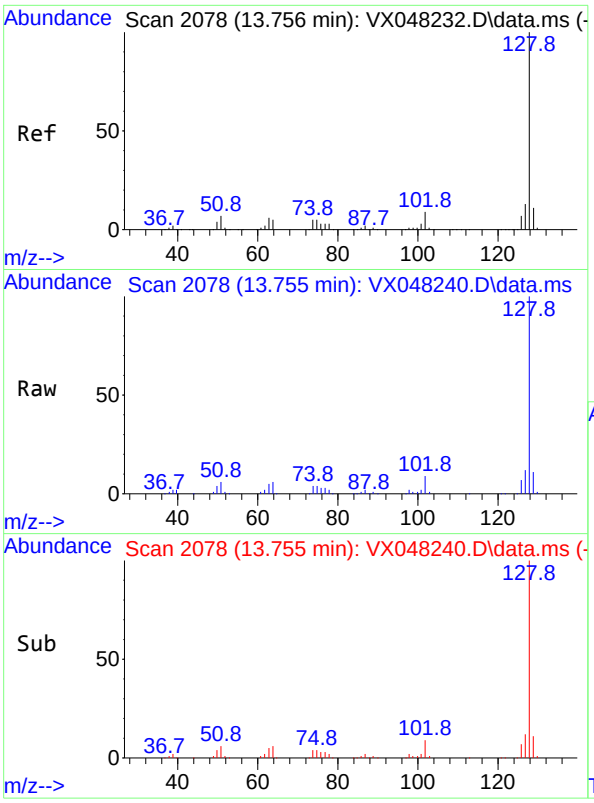




#94
Hexachlorobutadiene
Concen: 17.115 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:225 Resp: 14244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.9 | 32.6 | 97.7 |
| 227 | 62.7 | 32.5 | 97.4 |



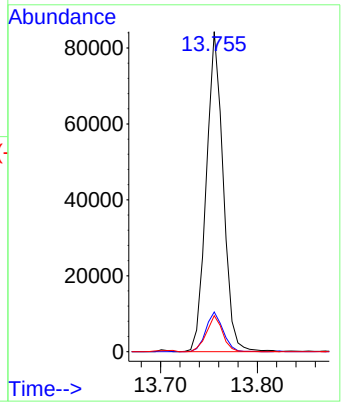


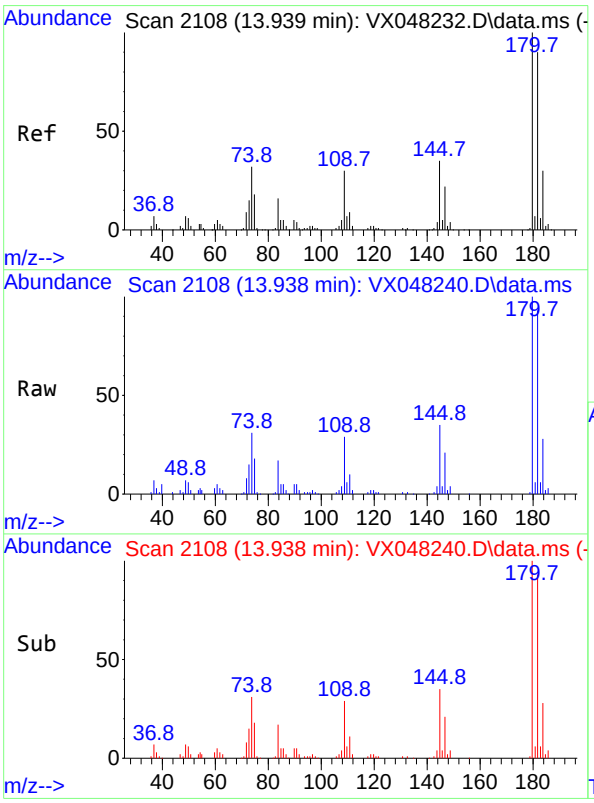

#95
Naphthalene
Concen: 17.342 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBS01

Tgt Ion:128 Resp: 102306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.4 |
| 129 | 10.8 | 8.6 | 12.8 |

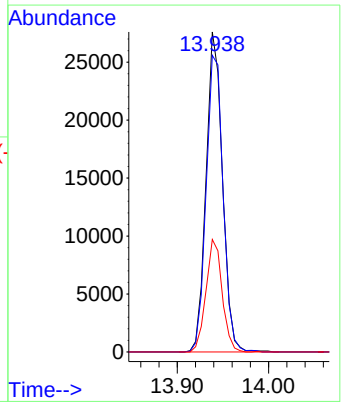



#96
1,2,3-Trichlorobenzene
Concen: 16.802 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048240.D
Acq: 20 Oct 2025 15:50

Tgt Ion:180 Resp: 34331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 46.6 | 139.7 |
| 145 | 34.8 | 16.9 | 50.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048247.D
Acq On : 20 Oct 2025 18:22
Operator : JC/MD
Sample : VX1020WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Quant Time: Oct 21 06:14:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 114781 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 195841 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 183563 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 92655 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 92554 | 57.512 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | | Recovery = 115.020% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 71144 | 53.212 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | | Recovery = 106.420% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 243288 | 51.915 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | | Recovery = 103.820% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 92954 | 52.139 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | | Recovery = 104.280% | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 20476 | 17.353 | ug/l | | 94 |
| 3) Chloromethane | 1.301 | 50 | 23064 | 20.941 | ug/l | | 98 |
| 4) Vinyl Chloride | 1.380 | 62 | 19788 | 19.402 | ug/l | | 95 |
| 5) Bromomethane | 1.618 | 94 | 14871 | 21.485 | ug/l | | 96 |
| 6) Chloroethane | 1.697 | 64 | 11916 | 19.883 | ug/l | # | 87 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 35760 | 18.282 | ug/l | | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 12054 | 21.901 | ug/l | | 89 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 21976 | 17.742 | ug/l | | 96 |
| 10) Methyl Iodide | 2.453 | 142 | 25897 | 16.631 | ug/l | | 99 |
| 11) Tert butyl alcohol | 2.947 | 59 | 17281 | 108.152 | ug/l | | 99 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 22080 | 18.323 | ug/l | | 94 |
| 13) Acrolein | 2.240 | 56 | 19228 | 117.991 | ug/l | | 100 |
| 14) Allyl chloride | 2.666 | 41 | 37950 | 18.968 | ug/l | | 99 |
| 15) Acrylonitrile | 3.056 | 53 | 60459 | 104.933 | ug/l | | 100 |
| 16) Acetone | 2.374 | 43 | 47646 | 86.302 | ug/l | | 96 |
| 17) Carbon Disulfide | 2.520 | 76 | 65187 | 17.164 | ug/l | | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 23295 | 20.204 | ug/l | | 95 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 83700 | 20.360 | ug/l | | 100 |
| 20) Methylene Chloride | 2.794 | 84 | 29196 | 21.703 | ug/l | # | 85 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 25126 | 18.982 | ug/l | | 97 |
| 22) Diisopropyl ether | 3.751 | 45 | 84376 | 21.145 | ug/l | | 91 |
| 23) Vinyl Acetate | 3.715 | 43 | 335871 | 105.369 | ug/l | | 95 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 47157 | 19.544 | ug/l | | 98 |
| 25) 2-Butanone | 4.544 | 43 | 68946 | 98.664 | ug/l | | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 36422 | 16.724 | ug/l | | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 30801 | 19.938 | ug/l | | 97 |
| 28) Bromochloromethane | 4.891 | 49 | 23578 | 23.567 | ug/l | | 87 |
| 29) Tetrahydrofuran | 4.989 | 42 | 42373 | 101.247 | ug/l | | 92 |
| 30) Chloroform | 5.080 | 83 | 53451 | 20.734 | ug/l | | 98 |
| 31) Cyclohexane | 5.465 | 56 | 36130 | 18.086 | ug/l | | 95 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 44597 | 18.771 | ug/l | | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 32010 | 16.845 | ug/l | | 100 |
| 37) Ethyl Acetate | 4.709 | 43 | 32299 | 20.506 | ug/l | | 98 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 40183 | 17.139 | ug/l | | 94 |
| 39) Methylcyclohexane | 7.367 | 83 | 36797 | 16.396 | ug/l | | 95 |
| 40) Benzene | 6.025 | 78 | 104164 | 18.880 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048247.D
Acq On : 20 Oct 2025 18:22
Operator : JC/MD
Sample : VX1020WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Quant Time: Oct 21 06:14:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.904 | 41 | 16538 | 19.993 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.068 | 62 | 40822 | 20.051 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.330 | 43 | 52028 | 20.109 | ug/l | | 97 |
| 44) Trichloroethene | 7.111 | 130 | 26497 | 18.188 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 26694 | 20.350 | ug/l | | 98 |
| 46) Dibromomethane | 7.568 | 93 | 20469 | 20.029 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.806 | 83 | 43761 | 19.832 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.678 | 41 | 25318 | 19.392 | ug/l | | 95 |
| 49) 1,4-Dioxane | 7.641 | 88 | 6386 | 370.238 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 153370 | 102.812 | ug/l | | 96 |
| 52) Toluene | 8.702 | 92 | 65370 | 18.650 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 42315 | 19.900 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 44419 | 19.362 | ug/l | # | 88 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 27480 | 21.083 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 38089 | 19.978 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 46146 | 20.726 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 92914 | 91.719 | ug/l | | 95 |
| 59) 2-Hexanone | 9.415 | 43 | 108257 | 104.075 | ug/l | | 97 |
| 60) Dibromochloromethane | 9.507 | 129 | 36604 | 20.894 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 29765 | 21.420 | ug/l | | 93 |
| 64) Tetrachloroethene | 9.257 | 164 | 23320 | 17.018 | ug/l | | 97 |
| 65) Chlorobenzene | 10.061 | 112 | 78337 | 18.971 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 28648 | 18.889 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.177 | 91 | 125292 | 17.821 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 95614 | 36.604 | ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 46336 | 18.374 | ug/l | | 97 |
| 70) Styrene | 10.640 | 104 | 82194 | 19.141 | ug/l | | 99 |
| 71) Bromoform | 10.781 | 173 | 23892 | 19.710 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 118461 | 17.504 | ug/l | | 99 |
| 74) N-amyl acetate | 10.823 | 43 | 45284 | 18.864 | ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 37724 | 20.412 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 38827 | 25.841 | ug/l | | 82 |
| 77) Bromobenzene | 11.177 | 156 | 32159 | 18.952 | ug/l | | 93 |
| 78) n-propylbenzene | 11.287 | 91 | 136981 | 17.482 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 85588 | 18.016 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 100372 | 17.922 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 10903 | 17.654 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 102658 | 18.204 | ug/l | | 97 |
| 83) tert-Butylbenzene | 11.695 | 119 | 102465 | 17.807 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 101437 | 18.149 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 118566 | 17.126 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 102269 | 17.091 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 57585 | 18.001 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 58623 | 17.690 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.311 | 91 | 89874 | 16.501 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 19902 | 16.842 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 54922 | 18.286 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.927 | 75 | 6943 | 18.508 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 33533 | 16.510 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 12548 | 16.531 | ug/l | | 97 |
| 95) Naphthalene | 13.756 | 128 | 94002 | 17.469 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 31666 | 16.990 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048247.D
Acq On : 20 Oct 2025 18:22
Operator : JC/MD
Sample : VX1020WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Quant Time: Oct 21 06:14:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

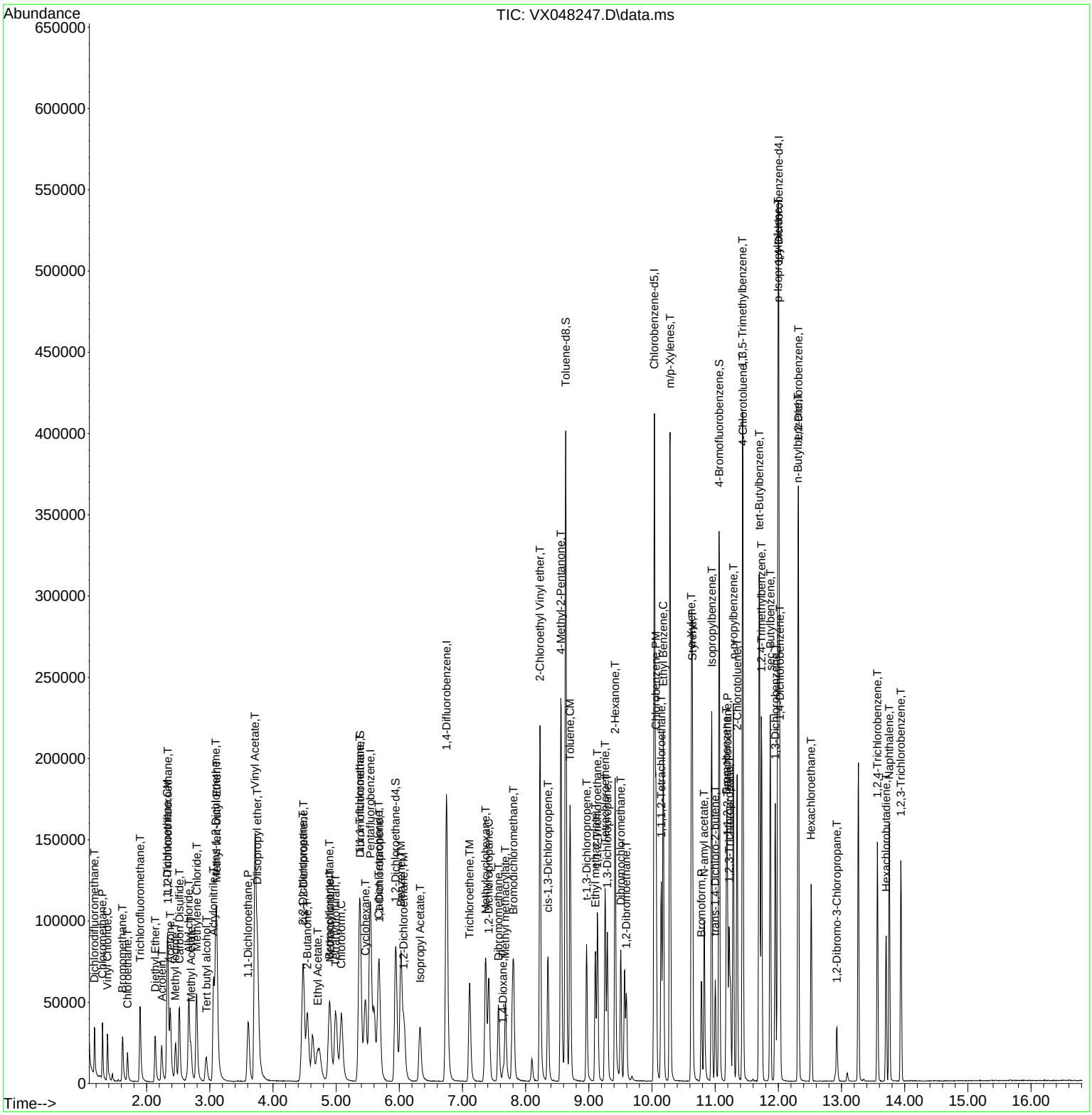
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

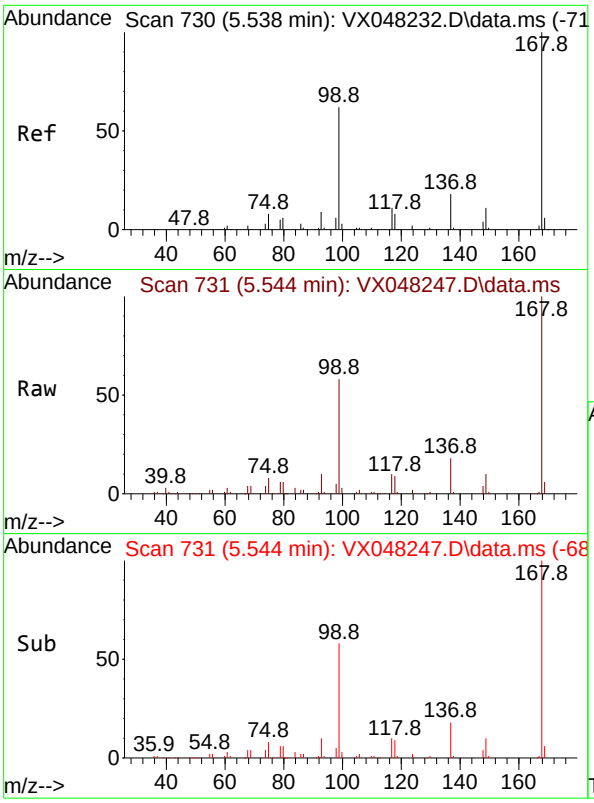
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048247.D
Acq On : 20 Oct 2025 18:22
Operator : JC/MD
Sample : VX1020WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Quant Time: Oct 21 06:14:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



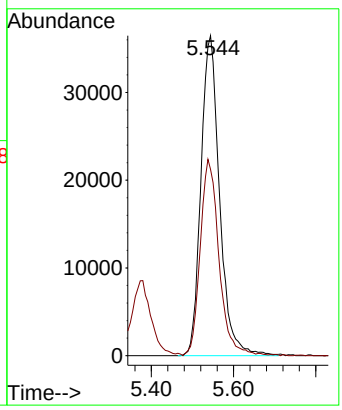


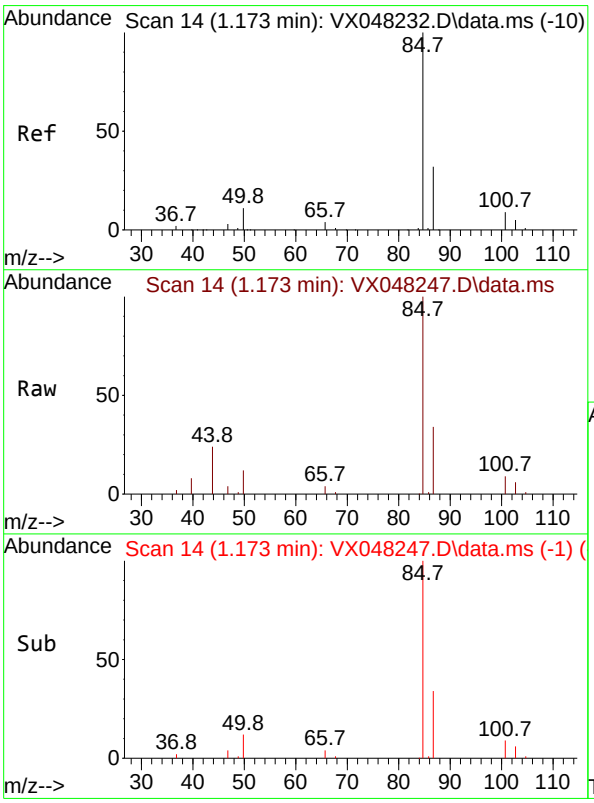

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:168 Resp: 114781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.0 | 46.4 | 69.6 |

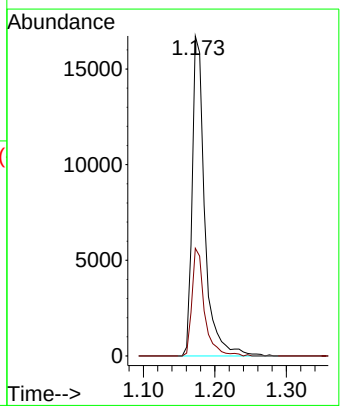


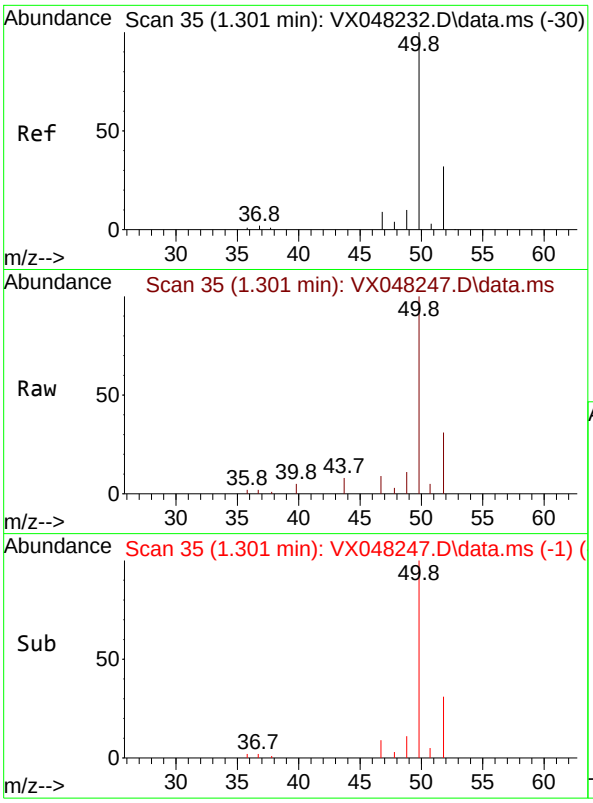




#2
Dichlorodifluoromethane
Concen: 17.353 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 85 Resp: 20476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.7 | 15.3 | 45.9 |



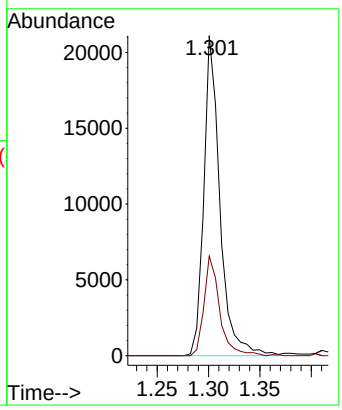


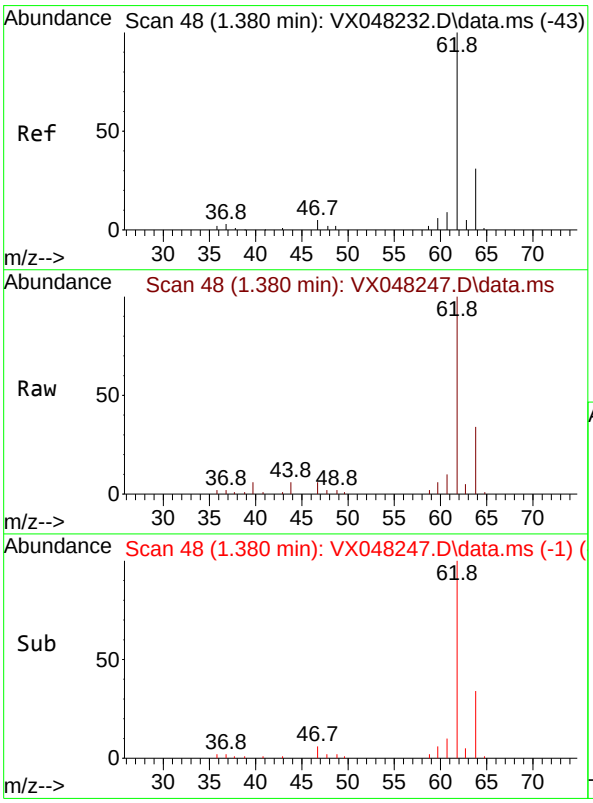

#3
Chloromethane
Concen: 20.941 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 50 Resp: 23064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.2 | 25.9 | 38.9 |

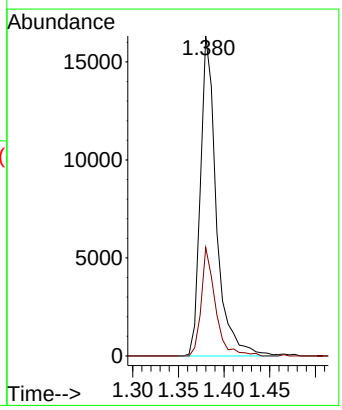


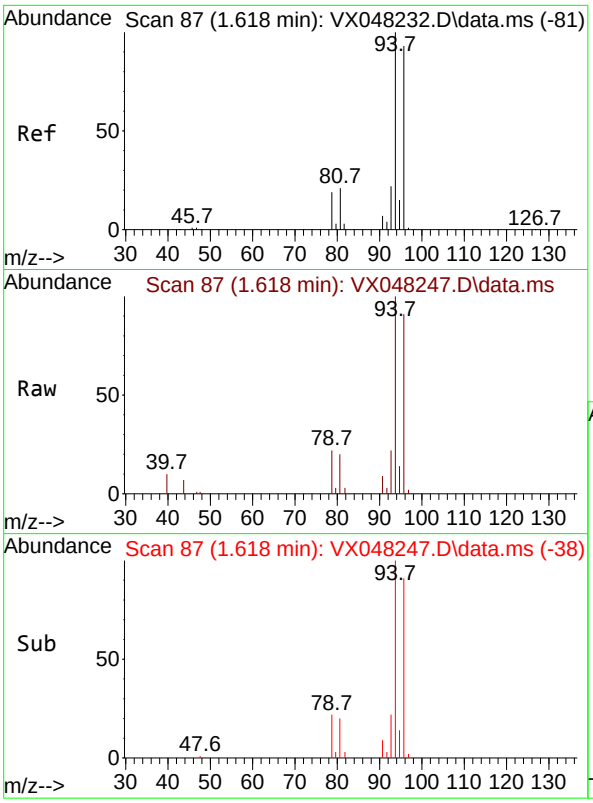




#4
Vinyl Chloride
Concen: 19.402 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 62 Resp: 19788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.9 | 25.1 | 37.7 |



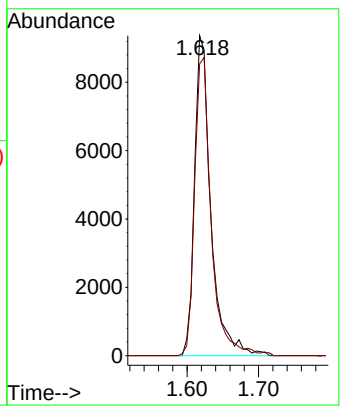


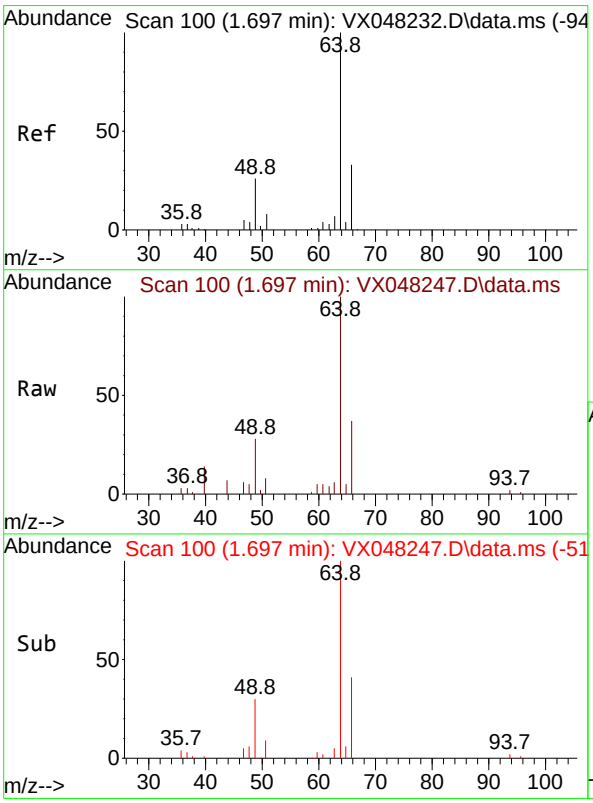

#5
Bromomethane
Concen: 21.485 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 94 Resp: 14871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.2 | 76.0 | 114.0 |

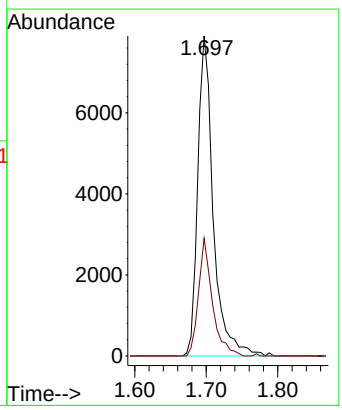


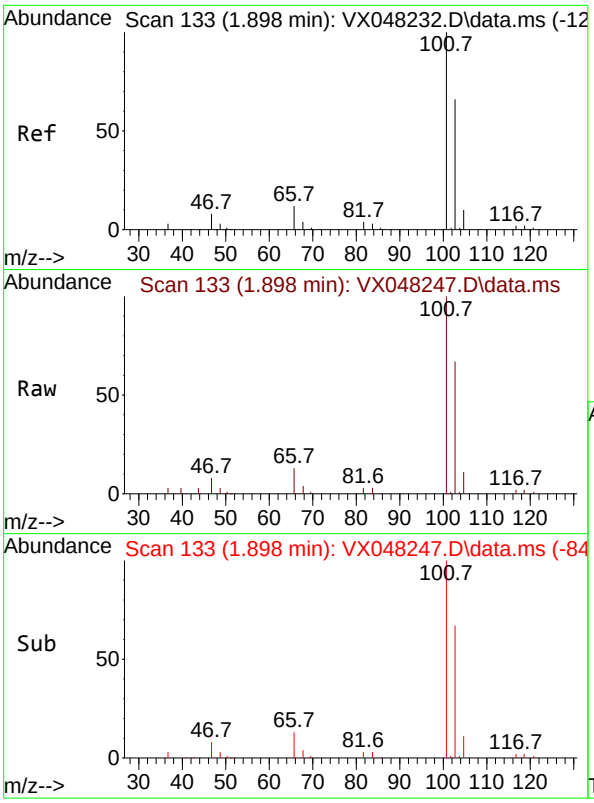




#6
Chloroethane
Concen: 19.883 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 64 Resp: 11916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 36.7 | 23.9 | 35.9# |



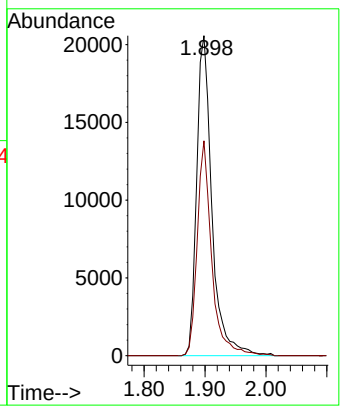


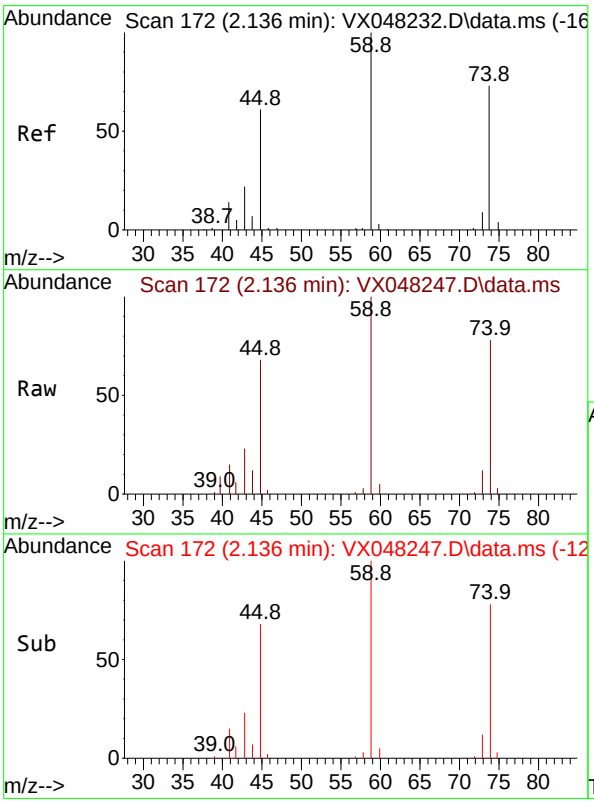

#7
Trichlorofluoromethane
Concen: 18.282 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:101 Resp: 35760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.2 | 51.6 | 77.4 |

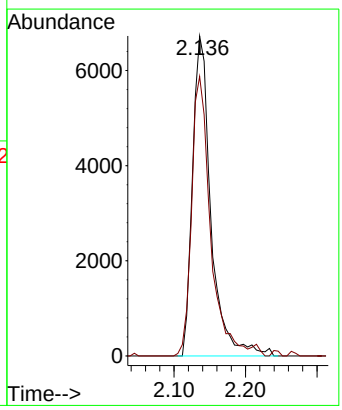


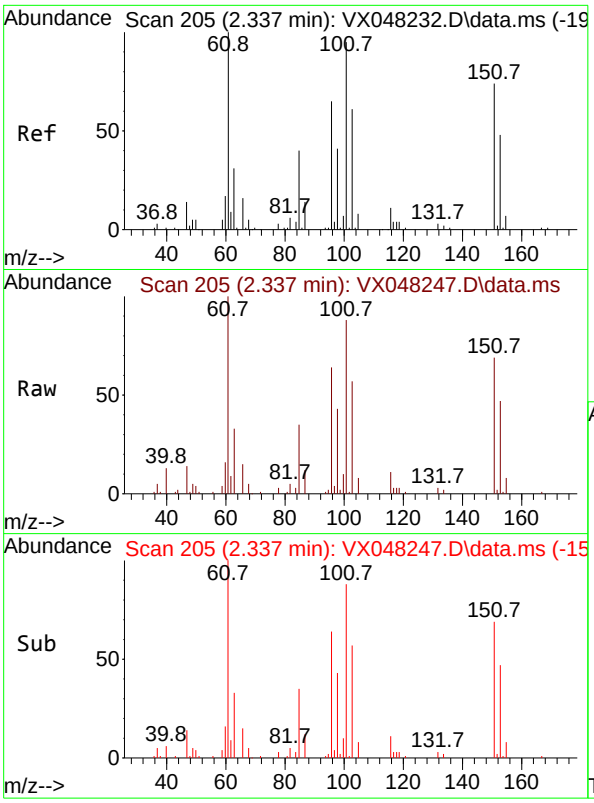




#8
Diethyl Ether
Concen: 21.901 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 74 Resp: 12054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 88.8 | 50.0 | 149.8 |



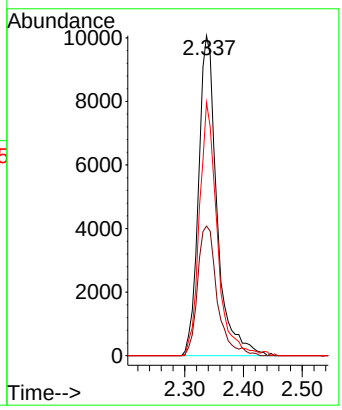


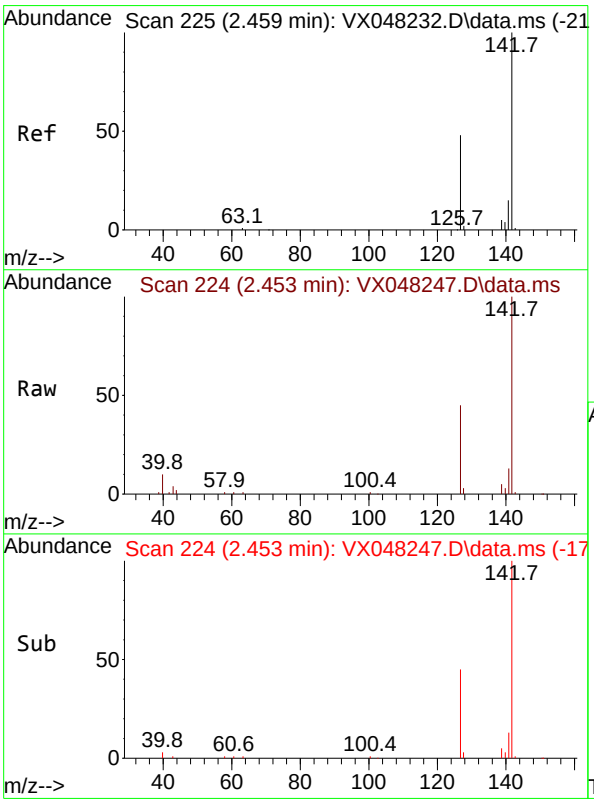

#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.742 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:101 Resp: 21976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.2 | 35.6 | 53.4 |
| 151 | 76.5 | 58.0 | 87.0 |

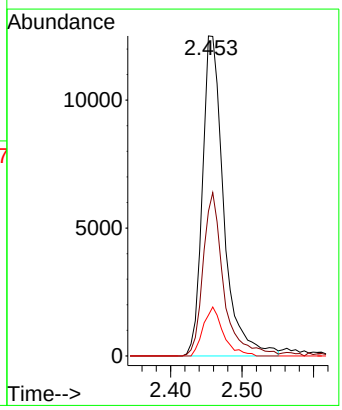


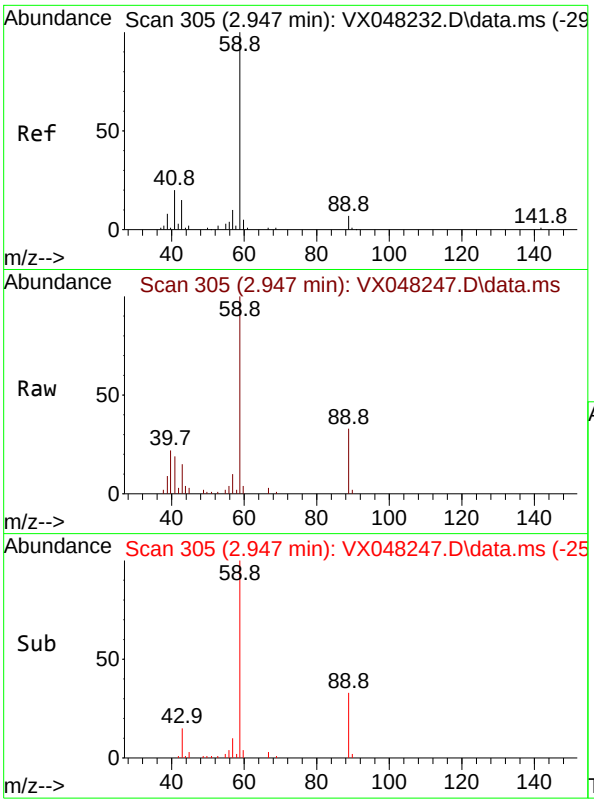




#10
Methyl Iodide
Concen: 16.631 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:142 Resp: 25897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.3 | 38.5 | 57.7 |
| 141 | 14.4 | 11.6 | 17.4 |



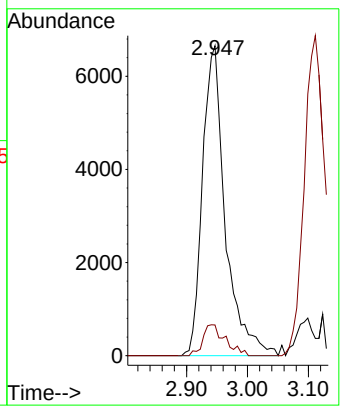


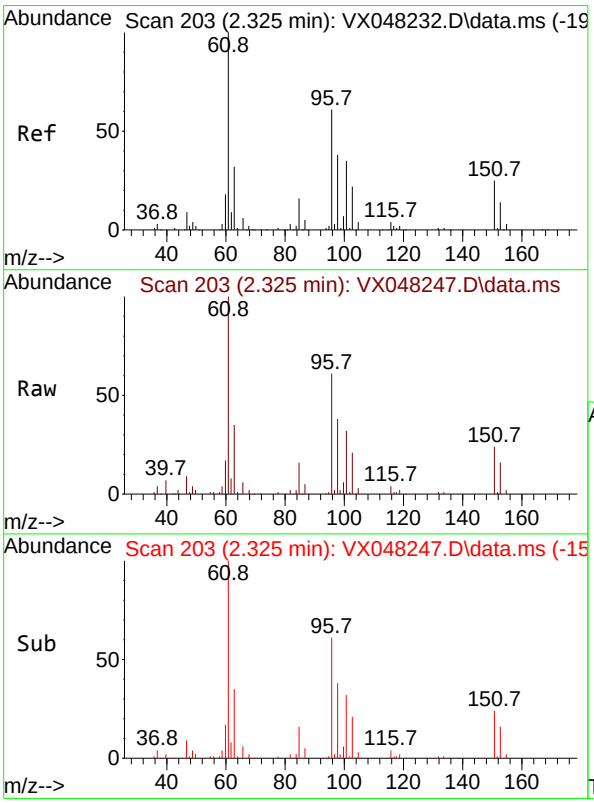

#11
Tert butyl alcohol
Concen: 108.152 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 59 Resp: 17281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.8 | 8.2 | 12.4 |

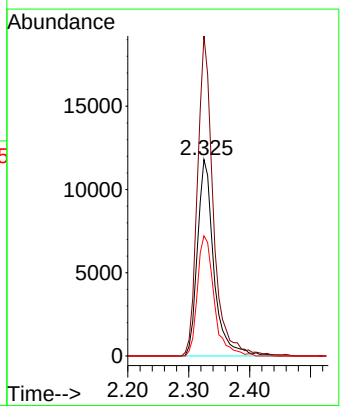


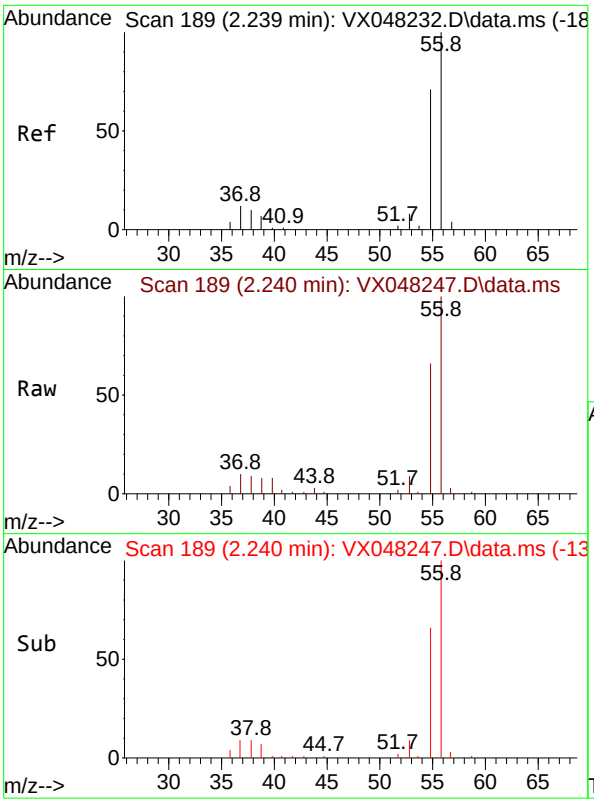




#12
1,1-Dichloroethene
Concen: 18.323 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 96 Resp: 22080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.9 | 139.0 | 208.6 |
| 98 | 63.7 | 52.4 | 78.6 |



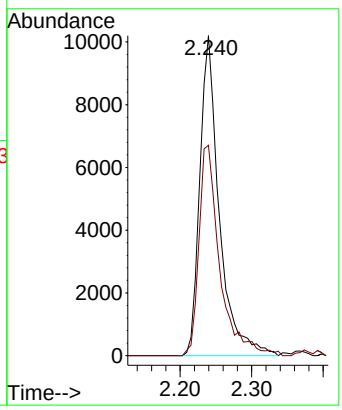


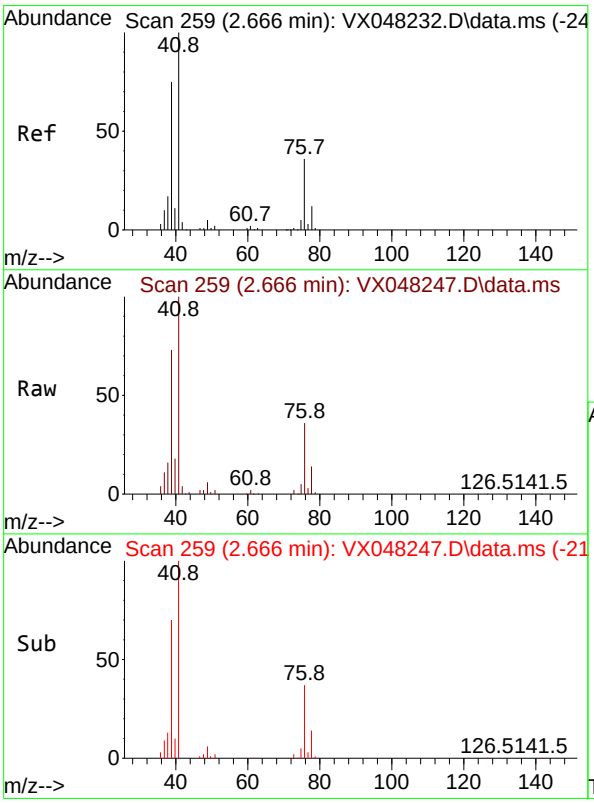

#13
Acrolein
Concen: 117.991 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 56 Resp: 19228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.4 | 56.1 | 84.1 |

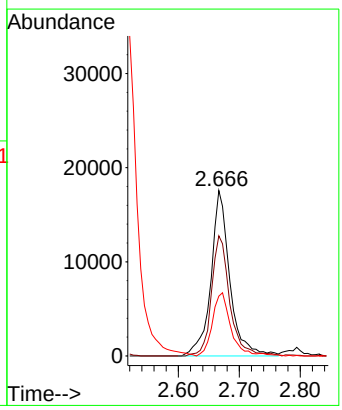


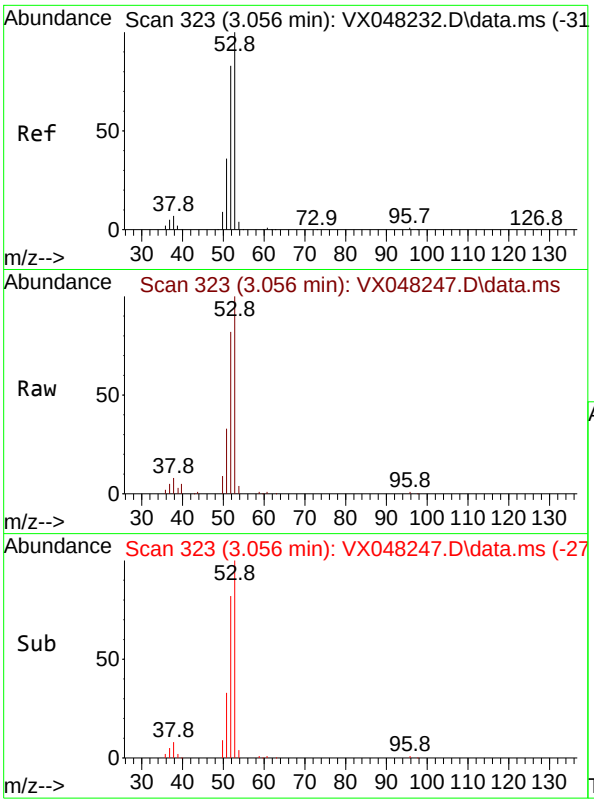




#14
Allyl chloride
Concen: 18.968 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 41 Resp: 37950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 70.1 | 56.0 | 84.0 |
| 76 | 36.3 | 27.5 | 41.3 |



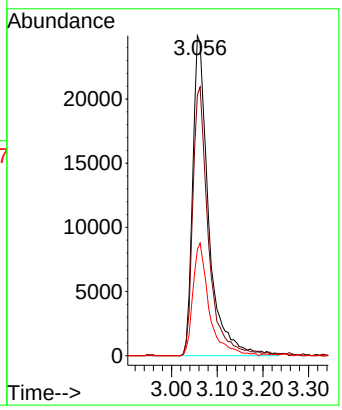


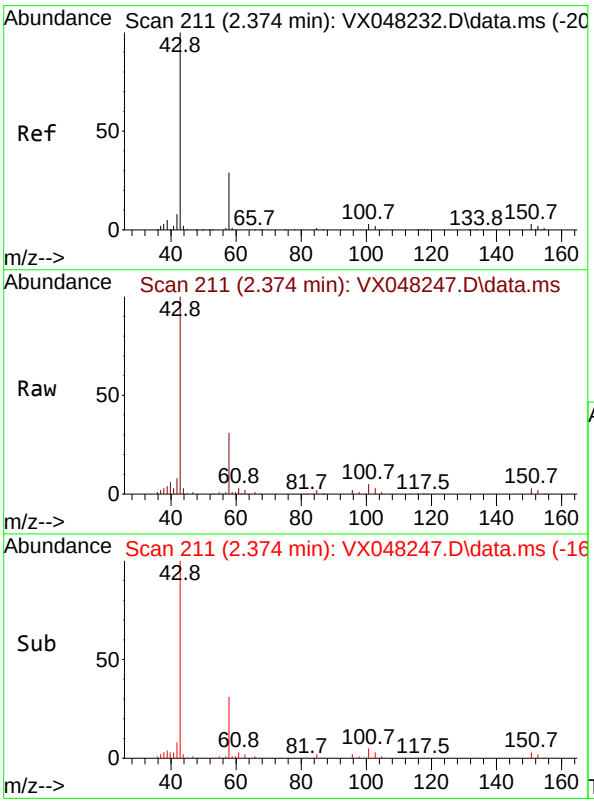

#15
Acrylonitrile
Concen: 104.933 ug/l
RT: 3.056 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 53 Resp: 60459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 66.1 | 99.1 |
| 51 | 35.9 | 29.0 | 43.4 |

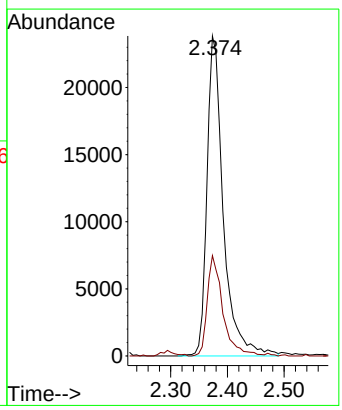


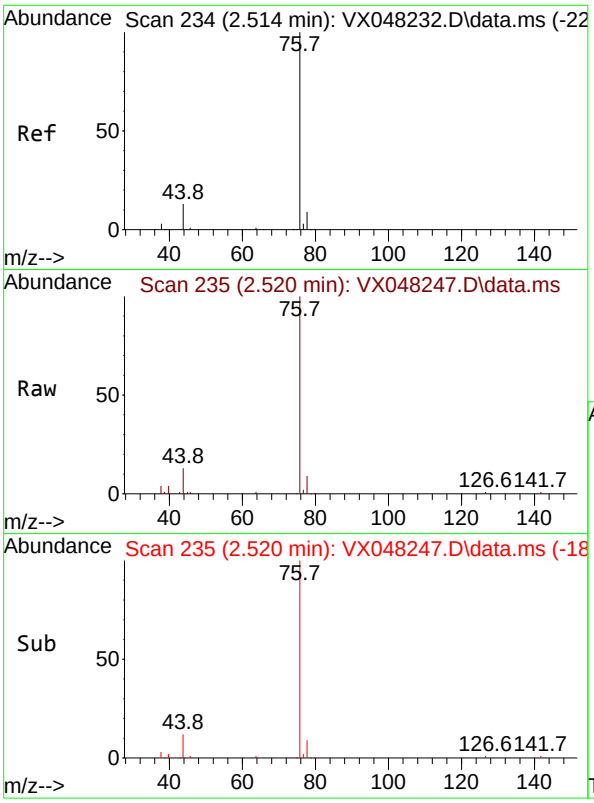




#16
Acetone
Concen: 86.302 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 43 Resp: 47646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.4 | 23.4 | 35.2 |



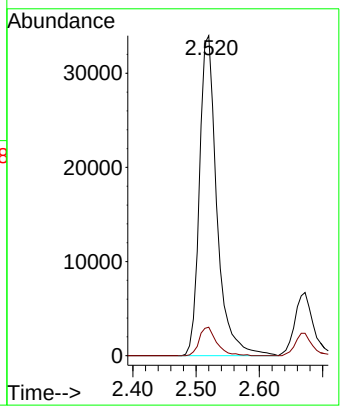


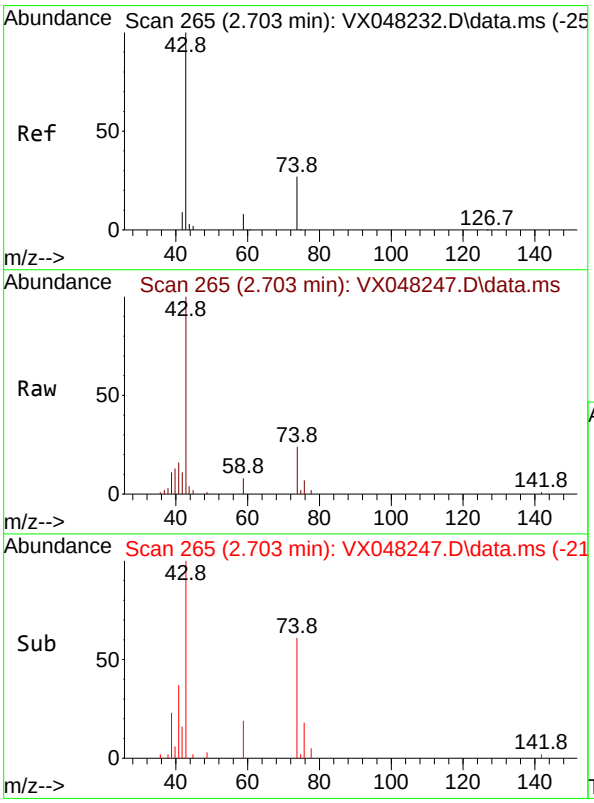

#17
Carbon Disulfide
Concen: 17.164 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 76 Resp: 65187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.1 | 10.7 |

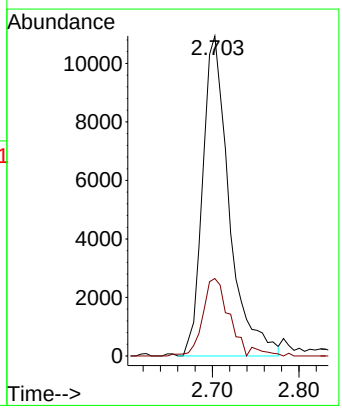


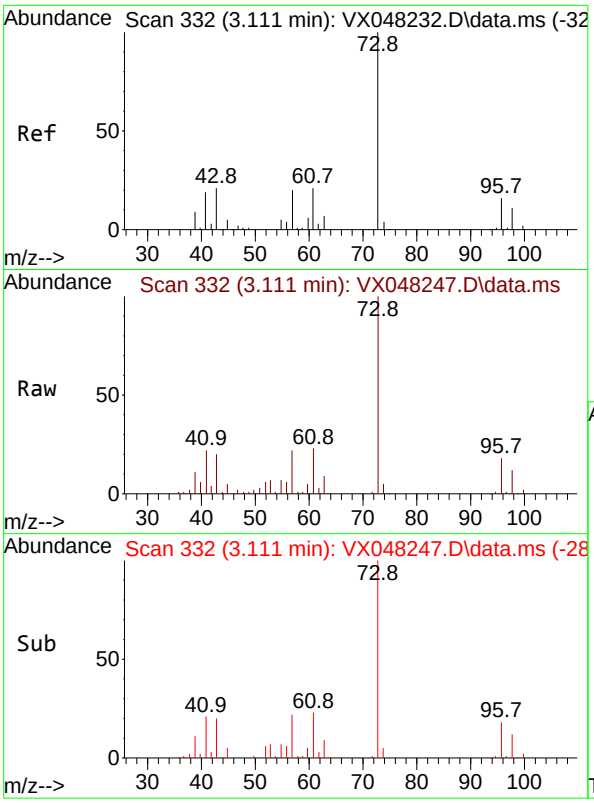




#18
Methyl Acetate
Concen: 20.204 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 43 Resp: 23295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.1 | 17.5 | 26.3 |



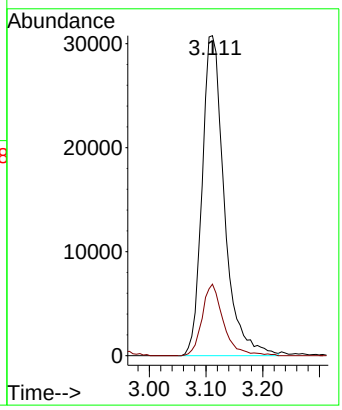


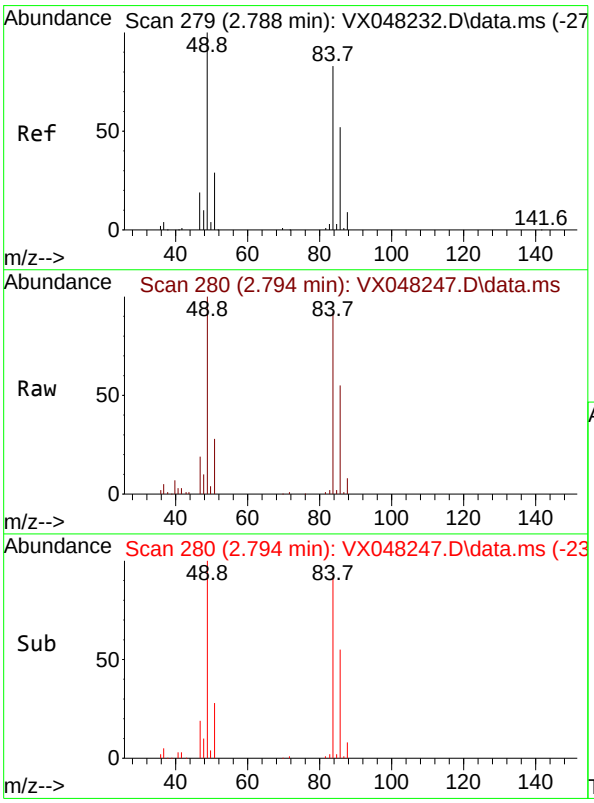

#19
Methyl tert-butyl Ether
Concen: 20.360 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 73 Resp: 83700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.3 | 17.7 | 26.5 |

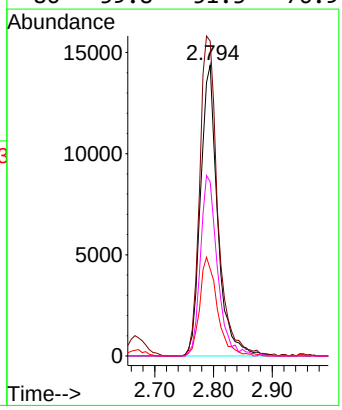


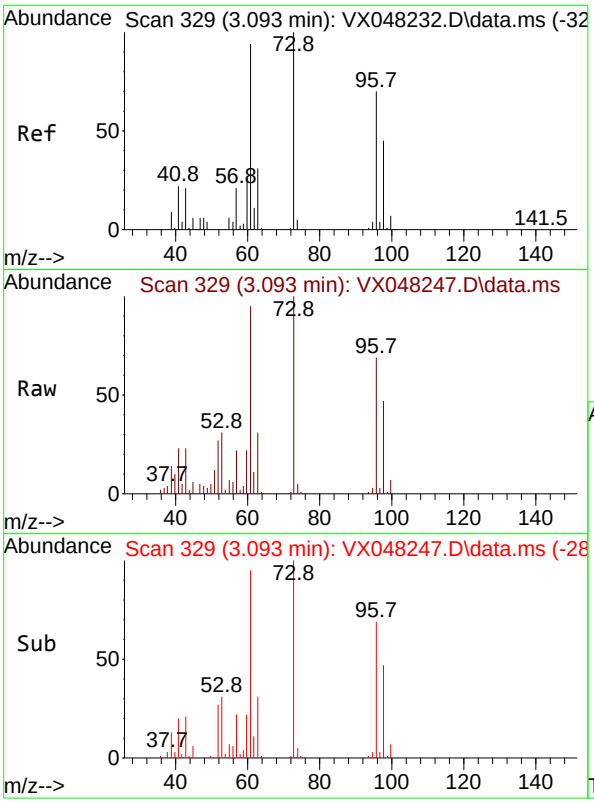




#20
Methylene Chloride
Concen: 21.703 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 84 Resp: 29196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 108.2 | 104.1 | 156.1 |
| 51 | 29.8 | 31.3 | 46.9# |
| 86 | 59.8 | 51.3 | 76.9 |



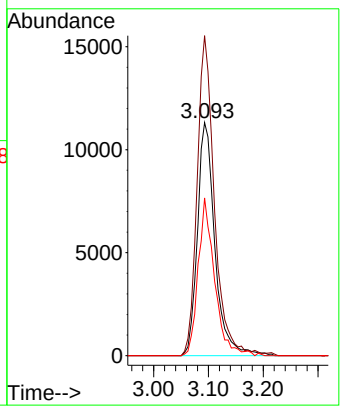


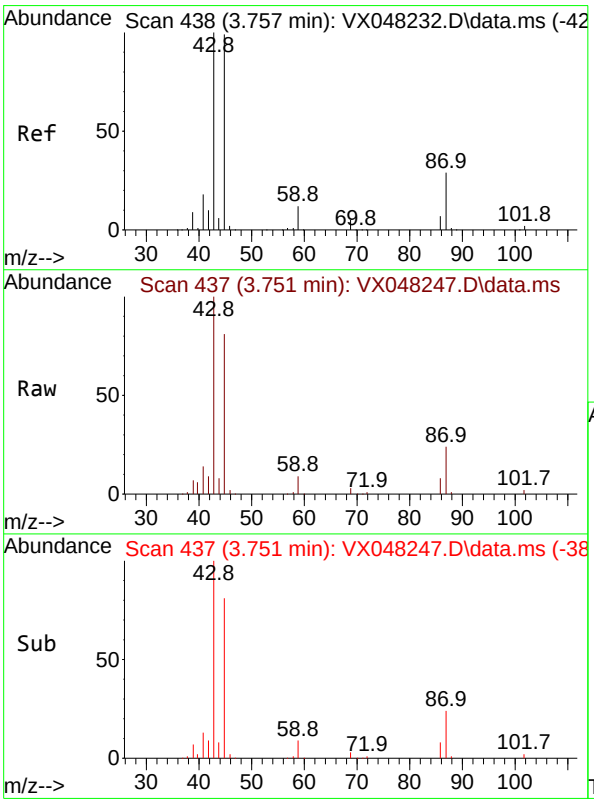

#21
trans-1,2-Dichloroethene
Concen: 18.982 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 96 Resp: 25126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.2 | 111.9 | 167.9 |
| 98 | 67.7 | 51.2 | 76.8 |

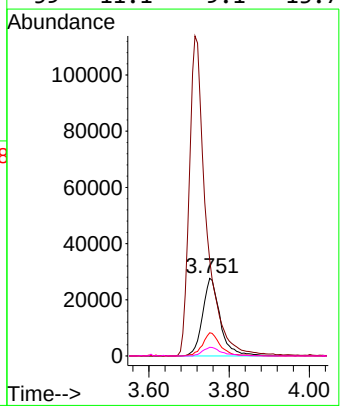


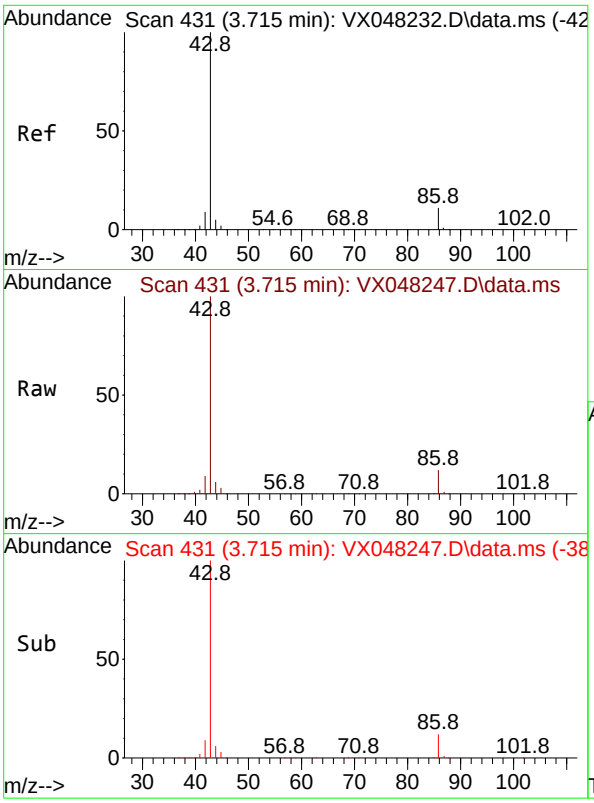




#22
Diisopropyl ether
Concen: 21.145 ug/l
RT: 3.751 min Scan# 437
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 45 Resp: 84376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 122.6 | 89.8 | 134.8 |
| 87 | 29.9 | 20.6 | 31.0 |
| 59 | 11.1 | 9.1 | 13.7 |



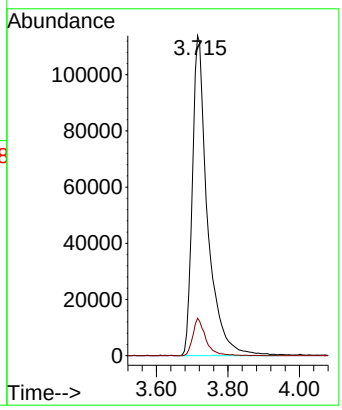


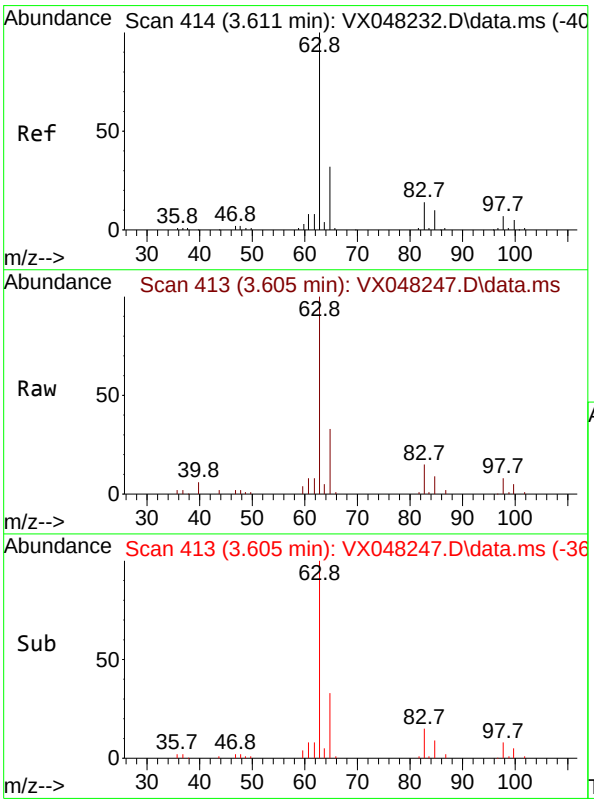

#23
Vinyl Acetate
Concen: 105.369 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 43 Resp: 335871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.7 | 7.9 | 11.9 |

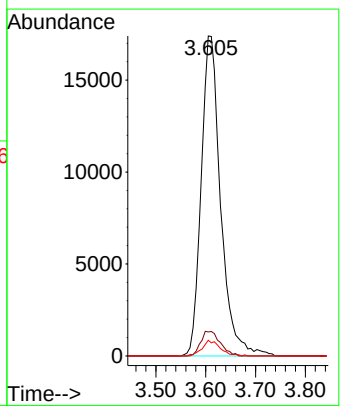


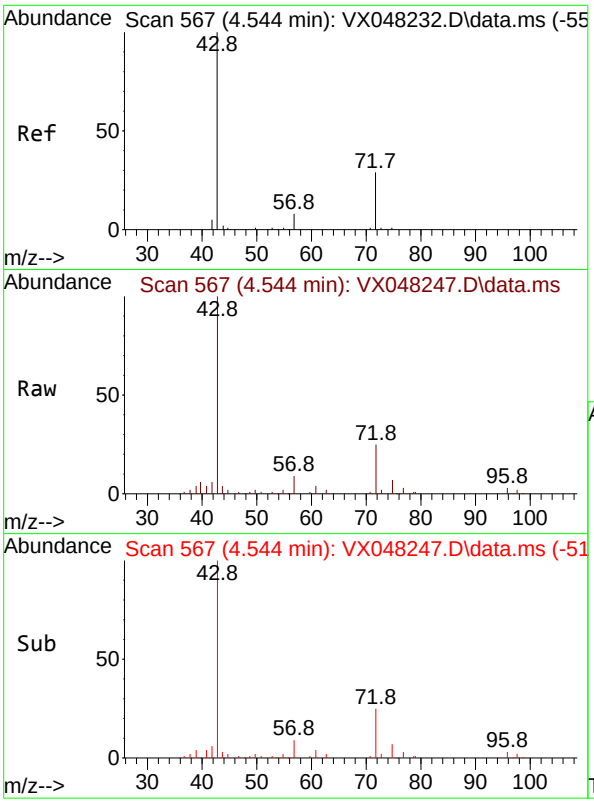




#24
1,1-Dichloroethane
Concen: 19.544 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 63 Resp: 47157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.5 | 3.5 | 10.6 |
| 100 | 4.9 | 2.1 | 6.3 |



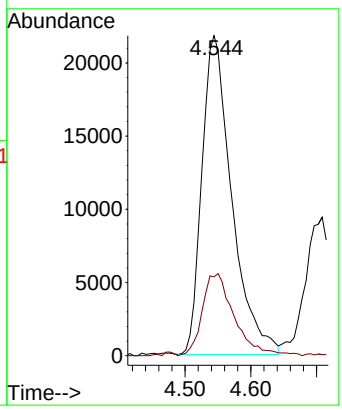


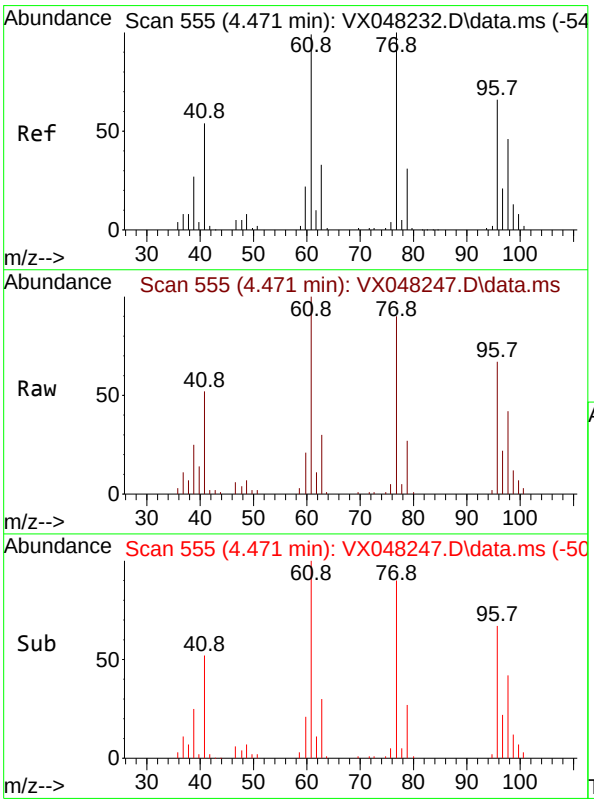

#25
2-Butanone
Concen: 98.664 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 43 Resp: 68946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.9 | 19.9 | 29.9 |

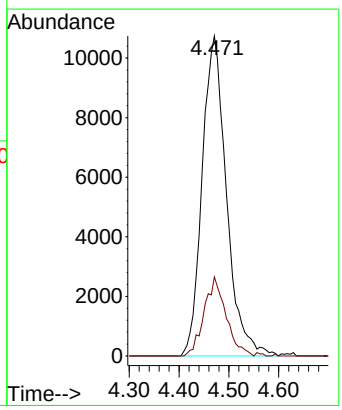


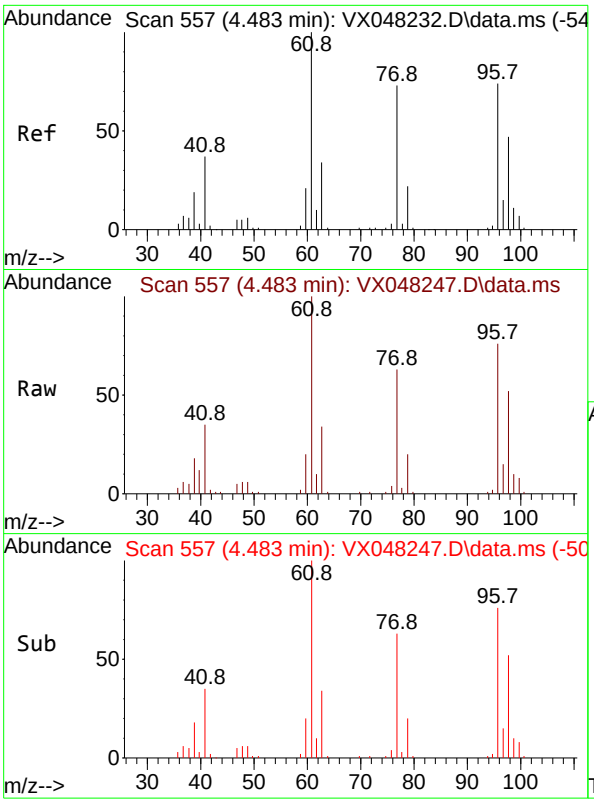




#26
2,2-Dichloropropane
Concen: 16.724 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 77 Resp: 36422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 11.1 | 33.3 |



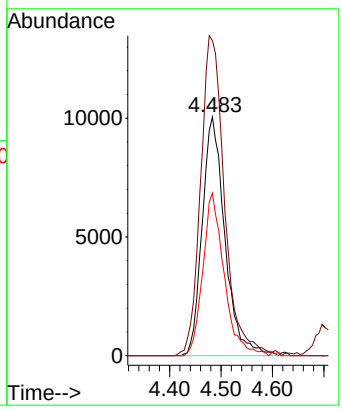


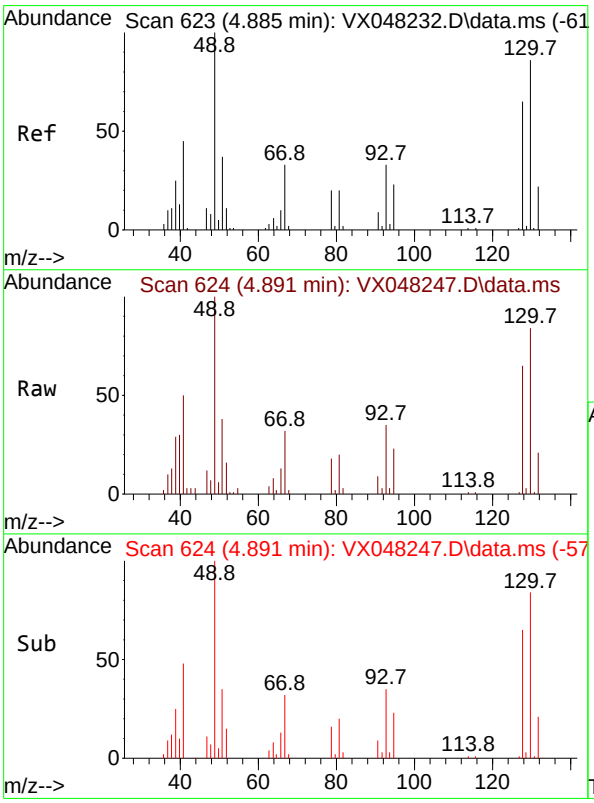

#27
cis-1,2-Dichloroethene
Concen: 19.938 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 96 Resp: 30801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.4 | 0.0 | 294.2 |
| 98 | 64.1 | 0.0 | 128.4 |

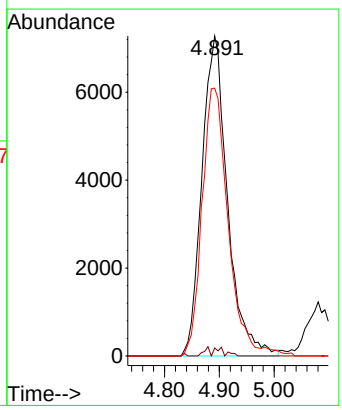


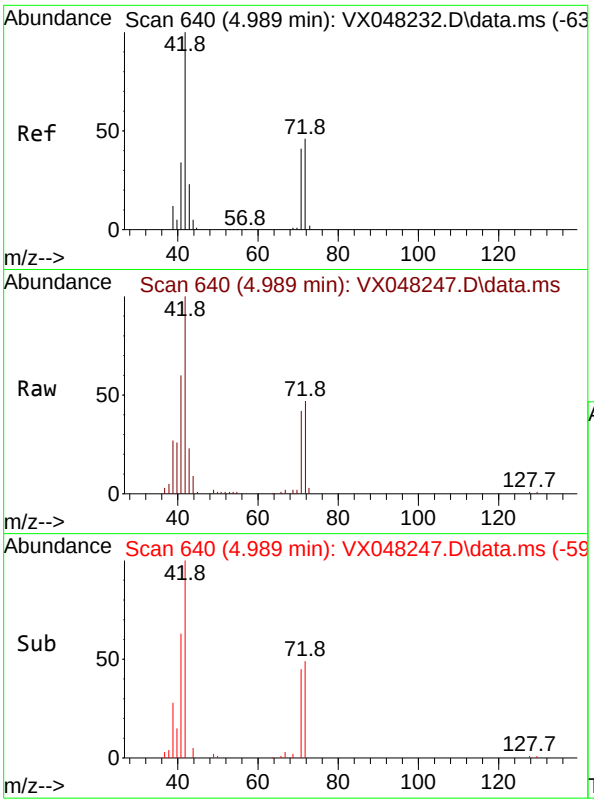




#28
Bromochloromethane
Concen: 23.567 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 49 Resp: 23578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.6 | 0.0 | 4.4 |
| 130 | 85.5 | 59.3 | 88.9 |



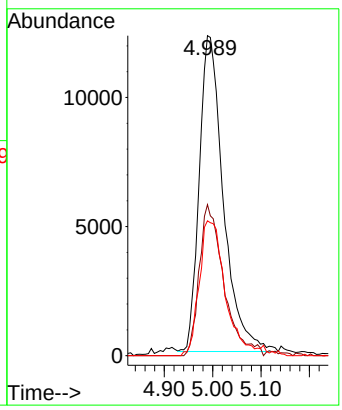


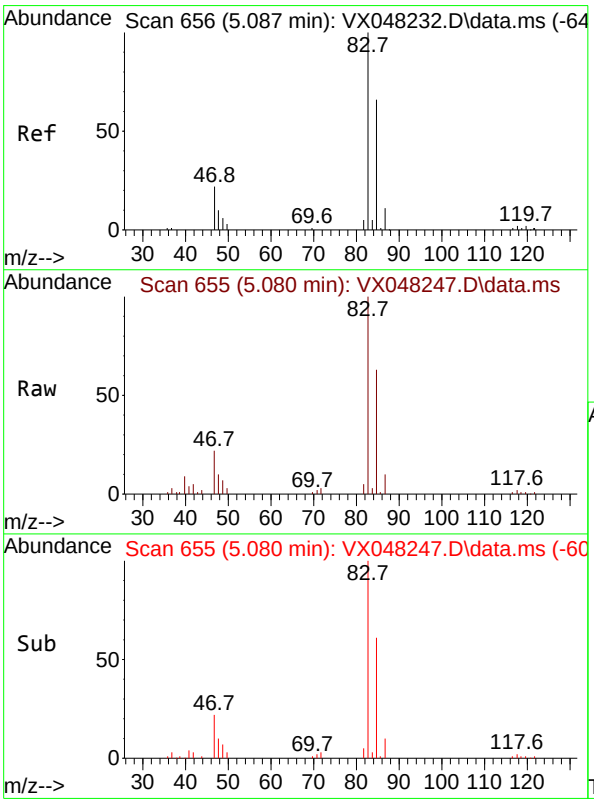

#29
Tetrahydrofuran
Concen: 101.247 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 42 Resp: 42373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.4 | 35.3 | 52.9 |
| 71 | 45.9 | 32.2 | 48.4 |

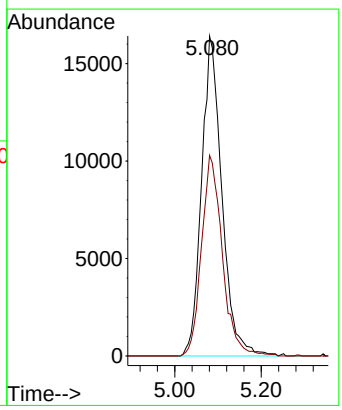


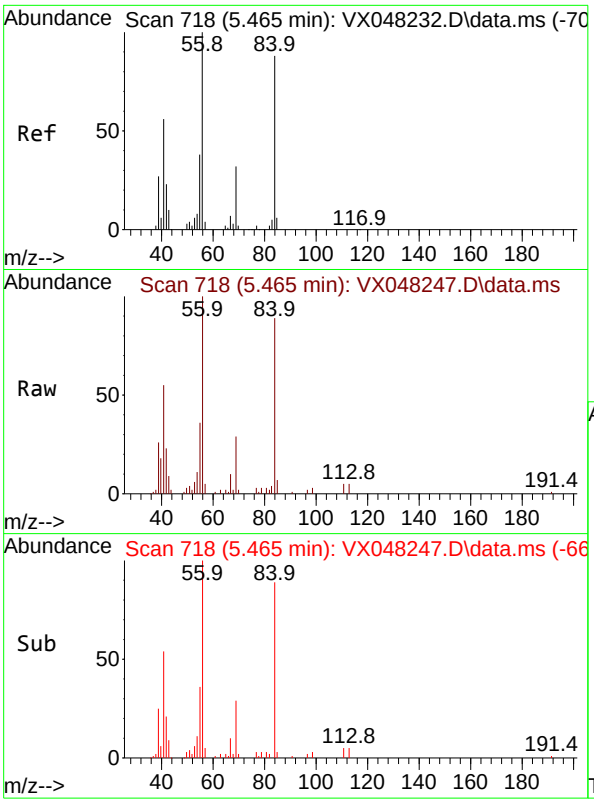




#30
Chloroform
Concen: 20.734 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 83 Resp: 53451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.8 | 50.1 | 75.1 |



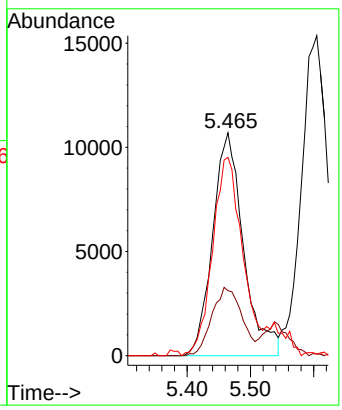


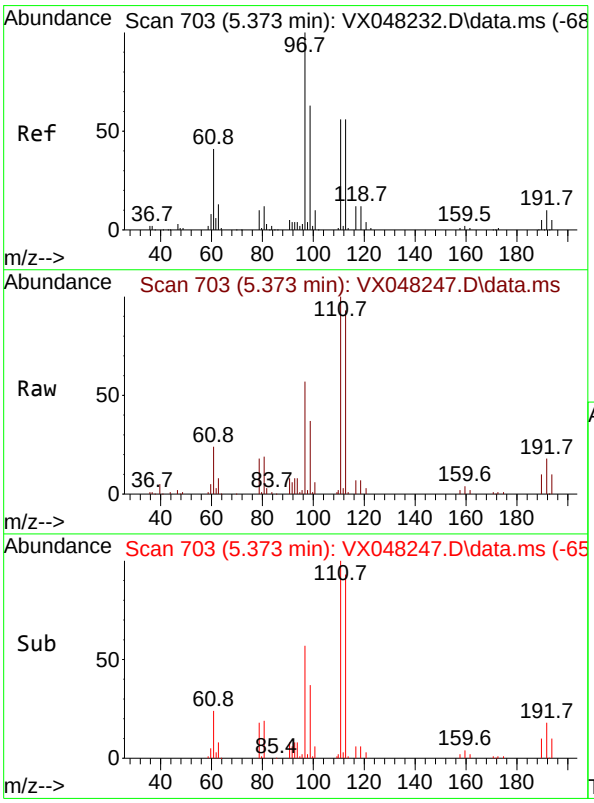

#31
Cyclohexane
Concen: 18.086 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 56 Resp: 36130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.2 | 23.0 | 34.6 |
| 84 | 86.9 | 64.6 | 97.0 |

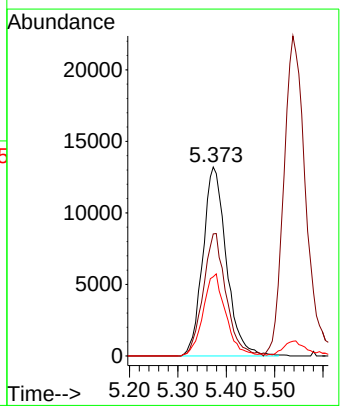


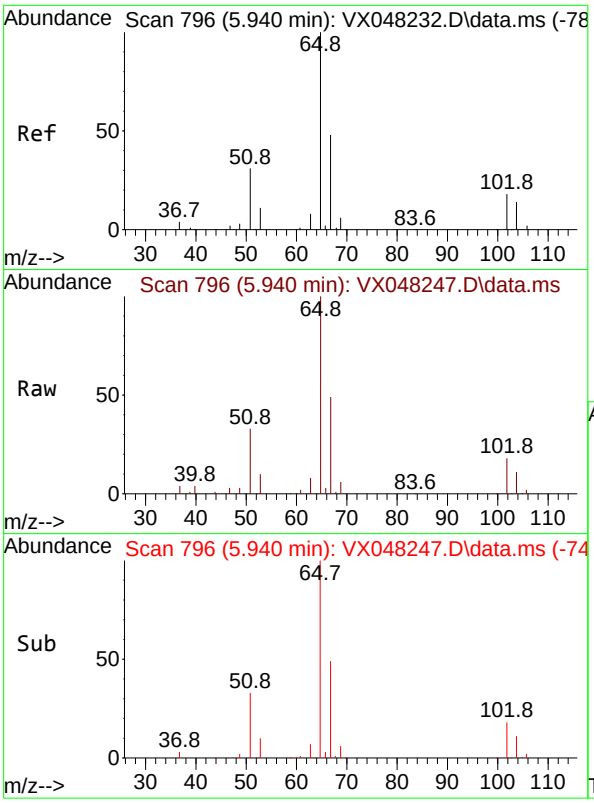




#32
1,1,1-Trichloroethane
Concen: 18.771 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 97 Resp: 44597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.1 | 51.7 | 77.5 |
| 61 | 42.1 | 34.8 | 52.2 |



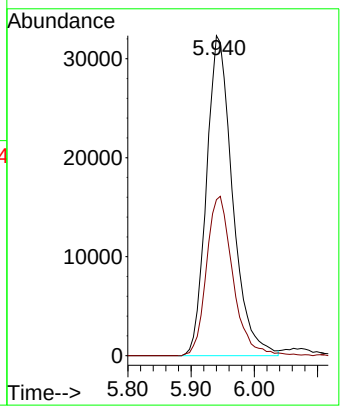


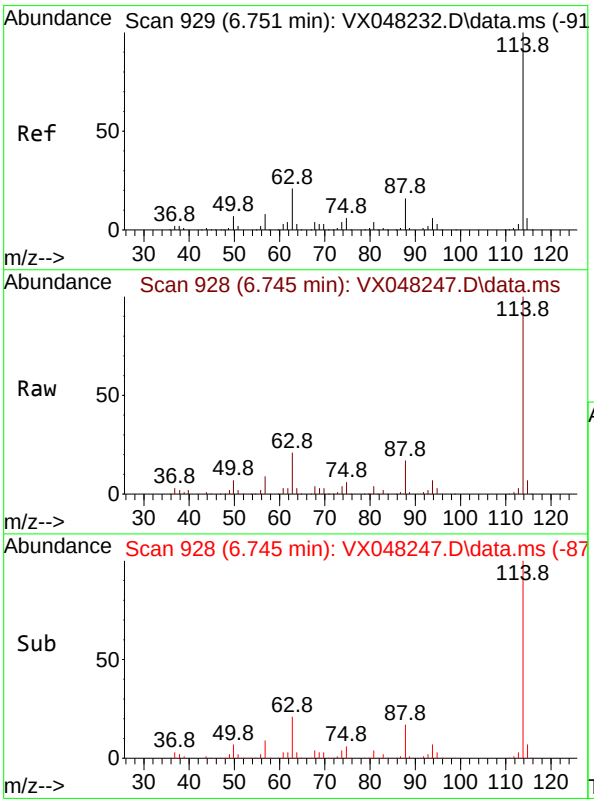

#33
1,2-Dichloroethane-d4
Concen: 57.512 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 65 Resp: 92554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 105.0 |

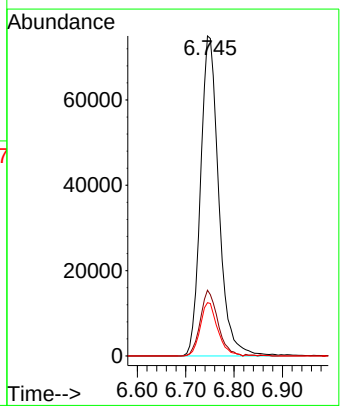


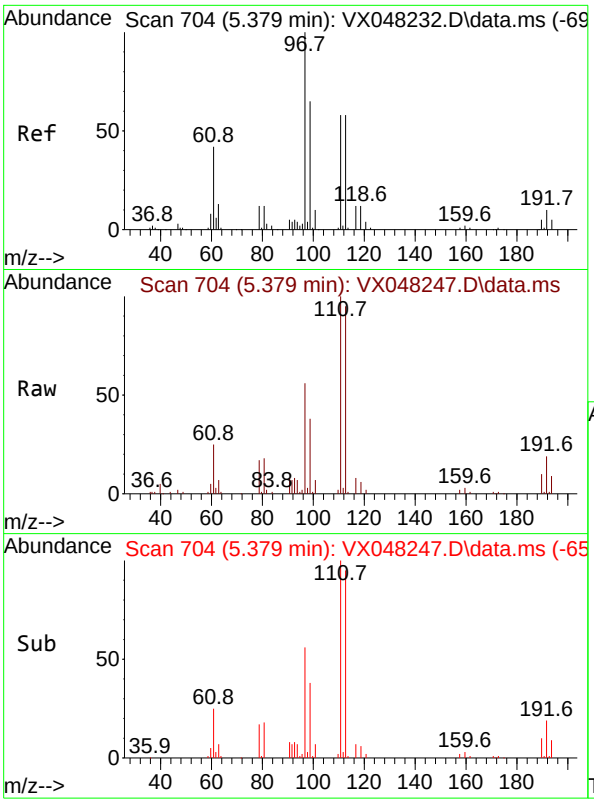




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:114 Resp: 195841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 43.2 |
| 88 | 16.7 | 0.0 | 33.6 |



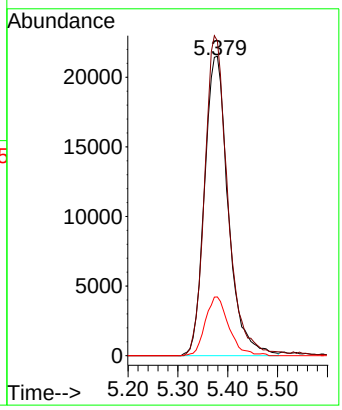


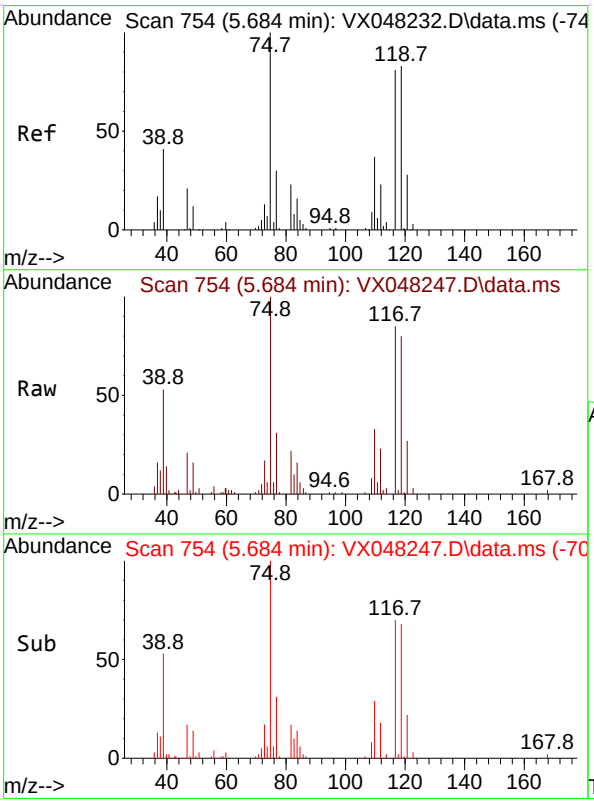

#35
Dibromofluoromethane
Concen: 53.212 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:113 Resp: 71144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.0 | 82.2 | 123.4 |
| 192 | 19.4 | 15.1 | 22.7 |

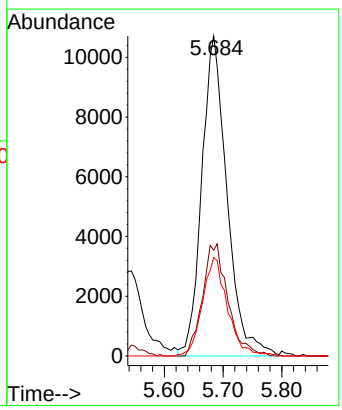


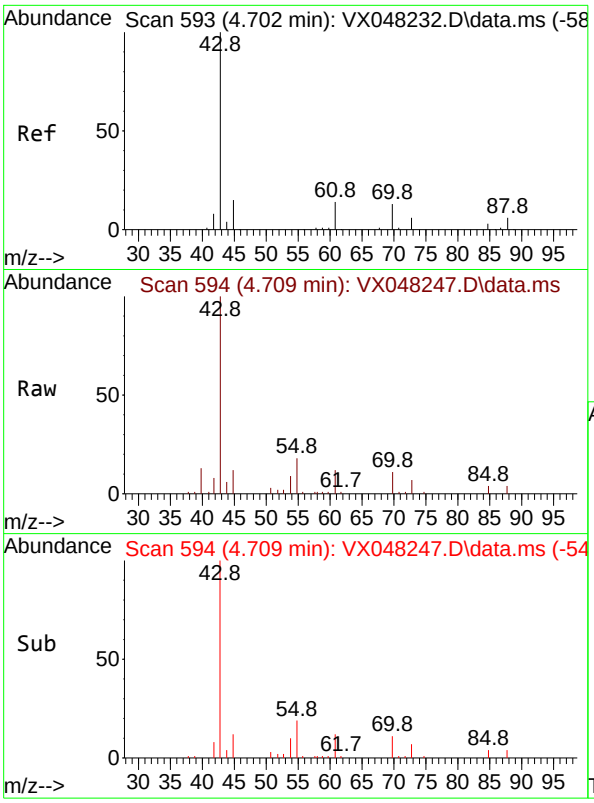




#36
1,1-Dichloropropene
Concen: 16.845 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 75 Resp: 32010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.3 | 17.7 | 53.1 |
| 77 | 30.5 | 24.3 | 36.5 |



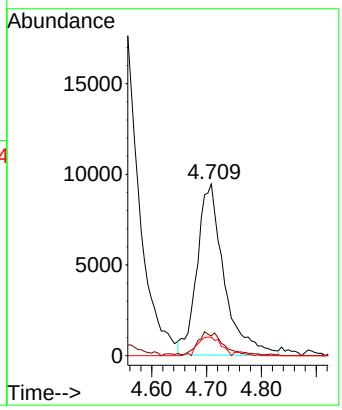


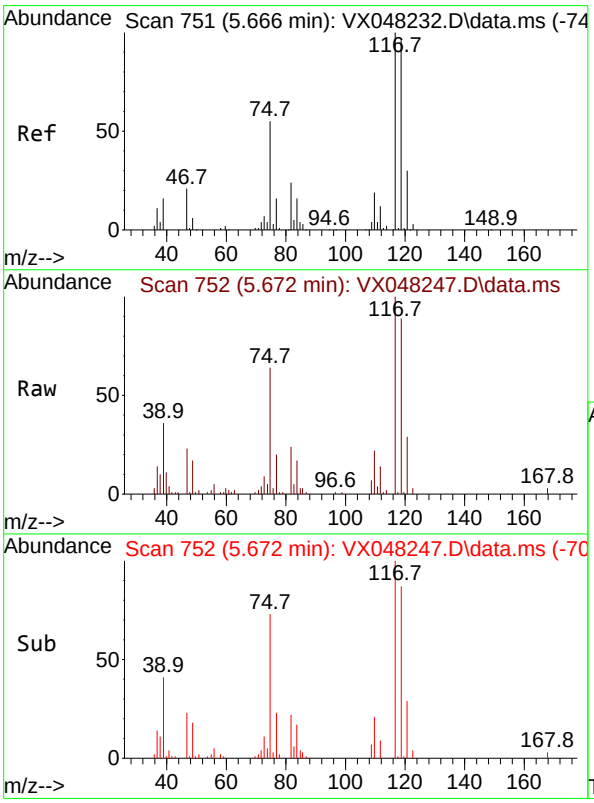

#37
Ethyl Acetate
Concen: 20.506 ug/l
RT: 4.709 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 43 Resp: 32299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.0 | 10.6 | 15.8 |
| 70 | 9.3 | 7.8 | 11.6 |

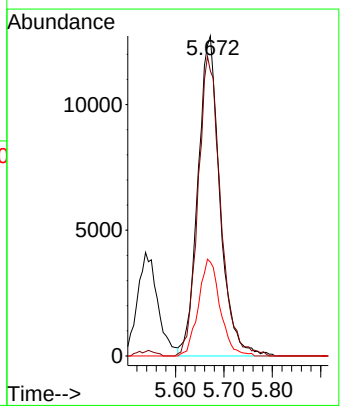


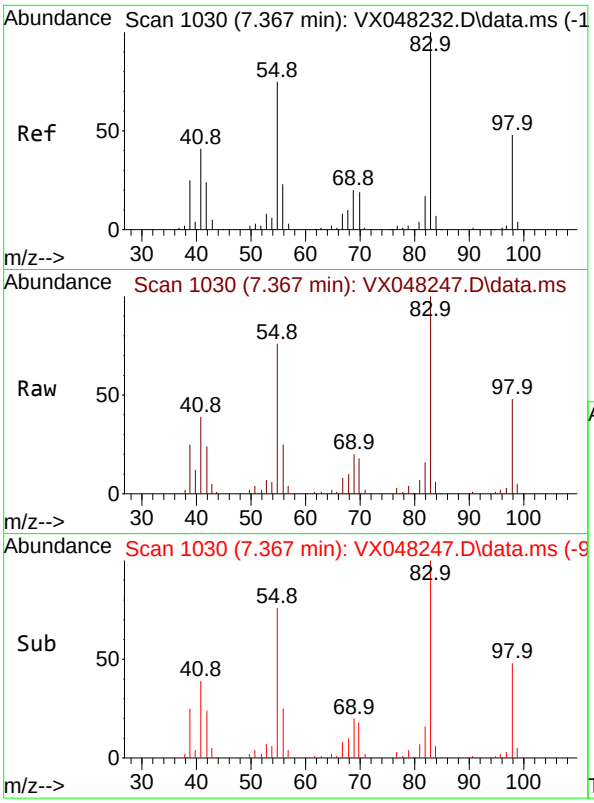




#38
Carbon Tetrachloride
Concen: 17.139 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:117 Resp: 40183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 89.1 | 77.2 | 115.8 |
| 121 | 29.3 | 24.8 | 37.2 |



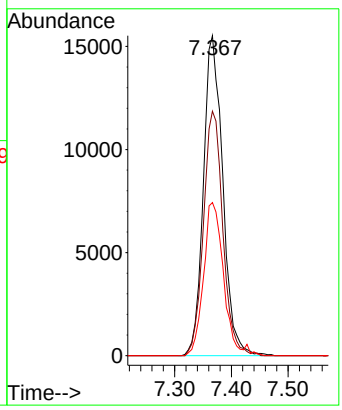


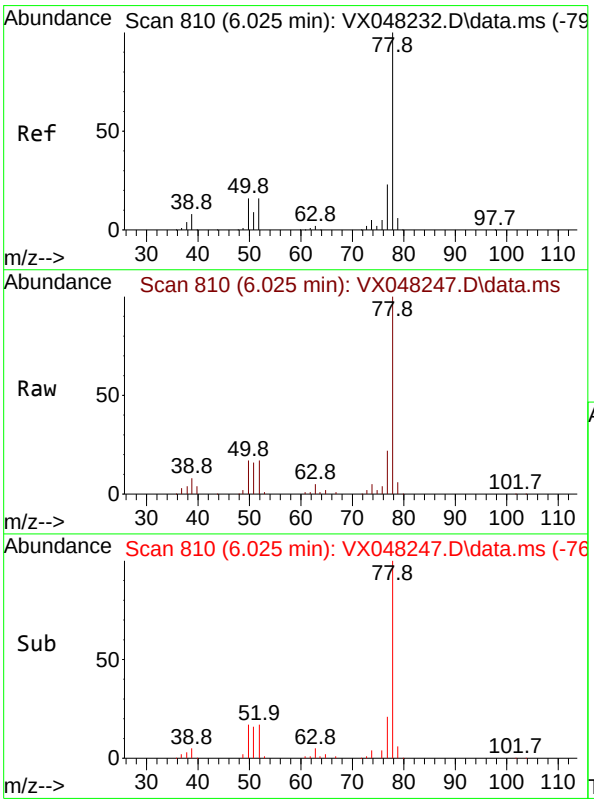

#39
Methylcyclohexane
Concen: 16.396 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 83 Resp: 36797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.4 | 66.2 | 99.2 |
| 98 | 47.8 | 38.9 | 58.3 |

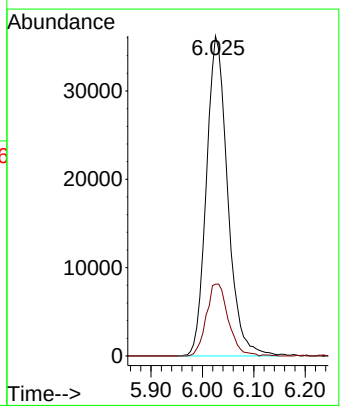


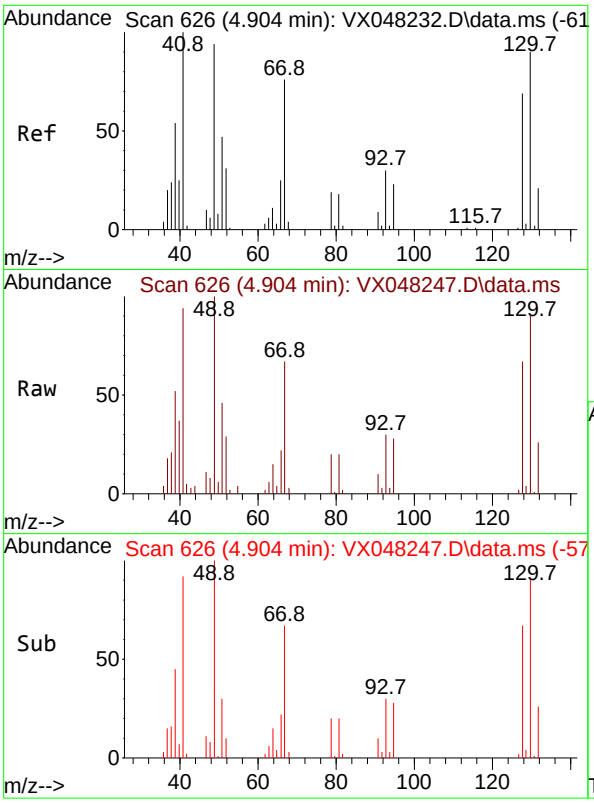




#40
Benzene
Concen: 18.880 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 78 Resp: 104164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.5 | 19.3 | 28.9 |



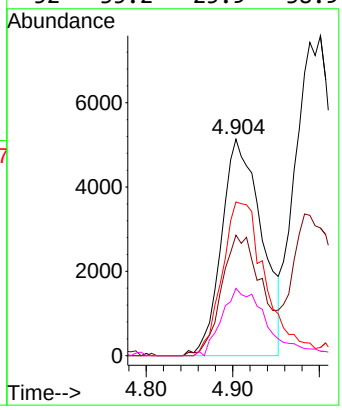


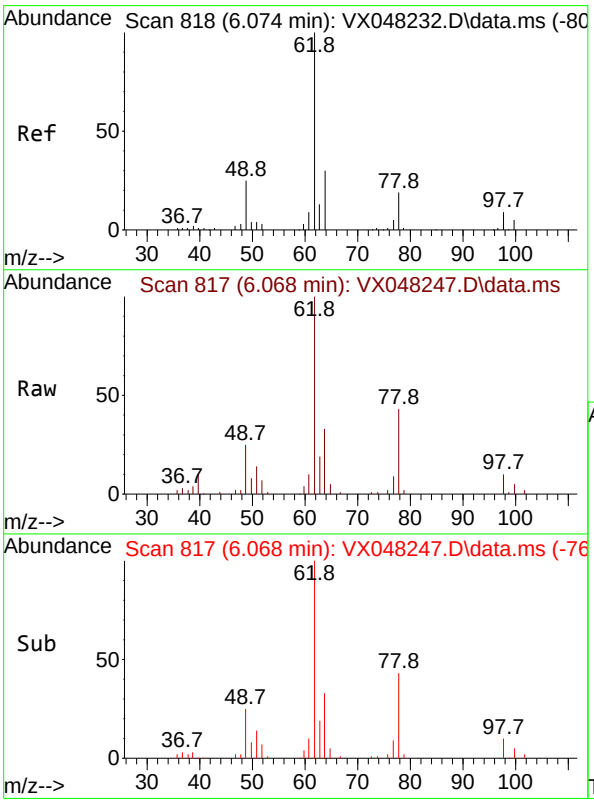

#41
Methacrylonitrile
Concen: 19.993 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 41 Resp: 16538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.8 | 44.0 | 66.0 |
| 67 | 77.6 | 58.7 | 88.1 |
| 52 | 35.2 | 25.9 | 38.9 |

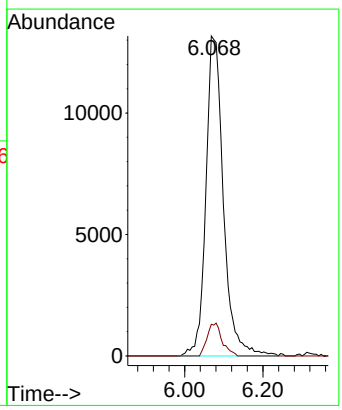


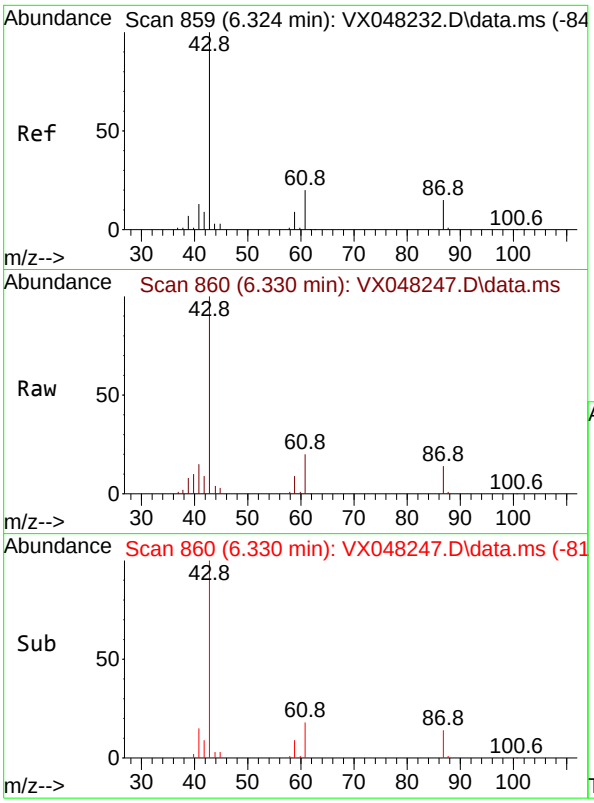




#42
1,2-Dichloroethane
Concen: 20.051 ug/l
RT: 6.068 min Scan# 817
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 62 Resp: 40822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.2 |



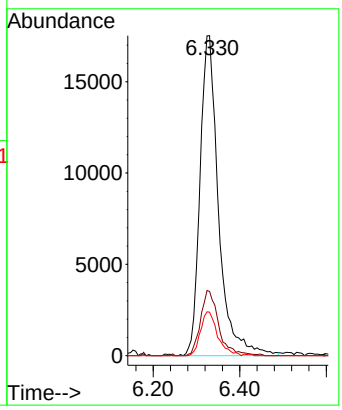


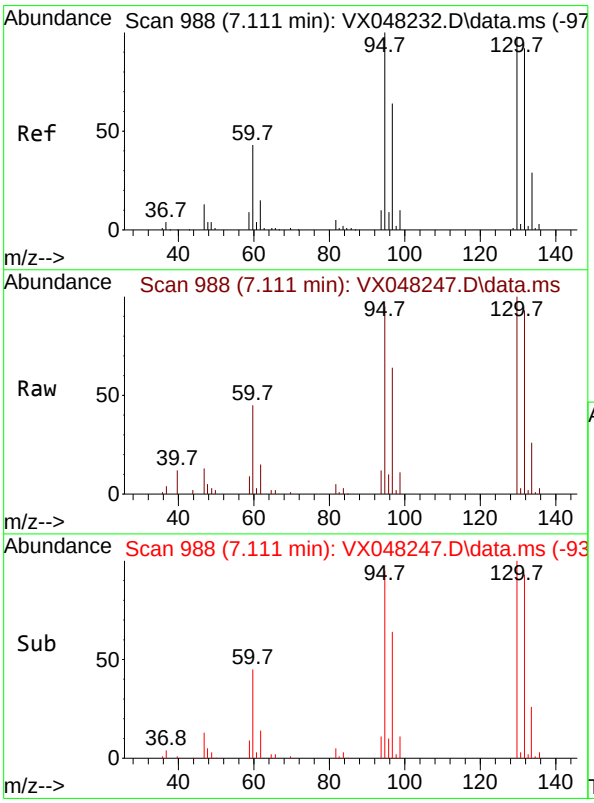

#43
Isopropyl Acetate
Concen: 20.109 ug/l
RT: 6.330 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 43 Resp: 52028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.1 | 14.9 | 22.3 |
| 87 | 12.6 | 9.4 | 14.2 |

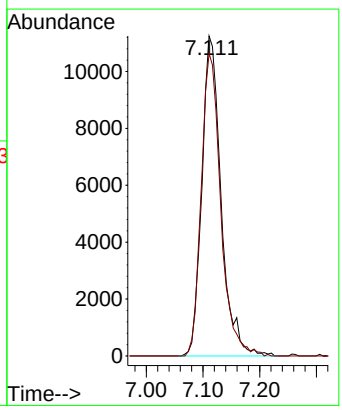


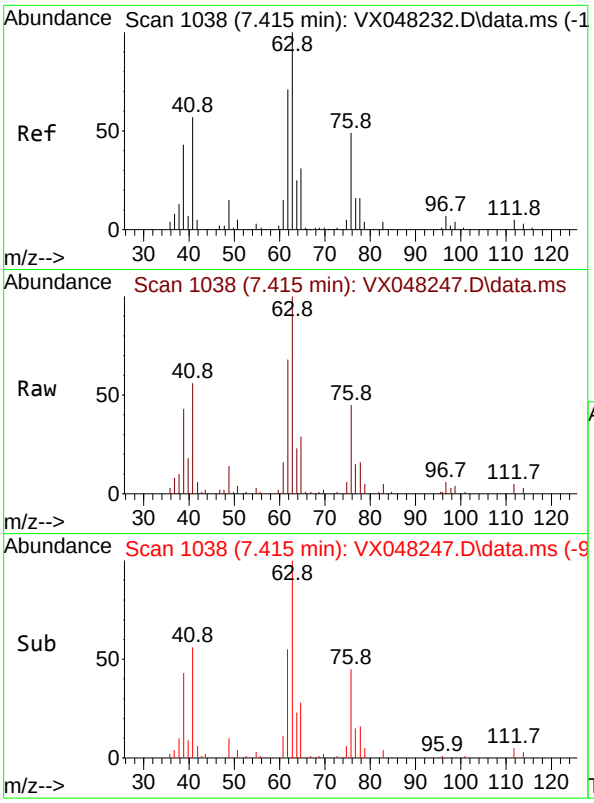




#44
Trichloroethene
Concen: 18.188 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:130 Resp: 26497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 94.6 | 0.0 | 200.6 |



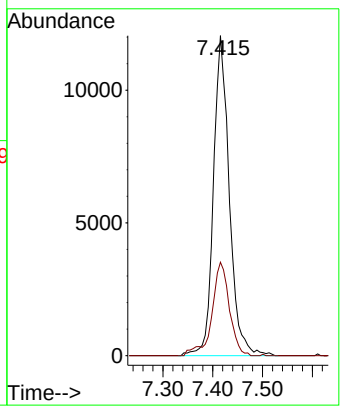


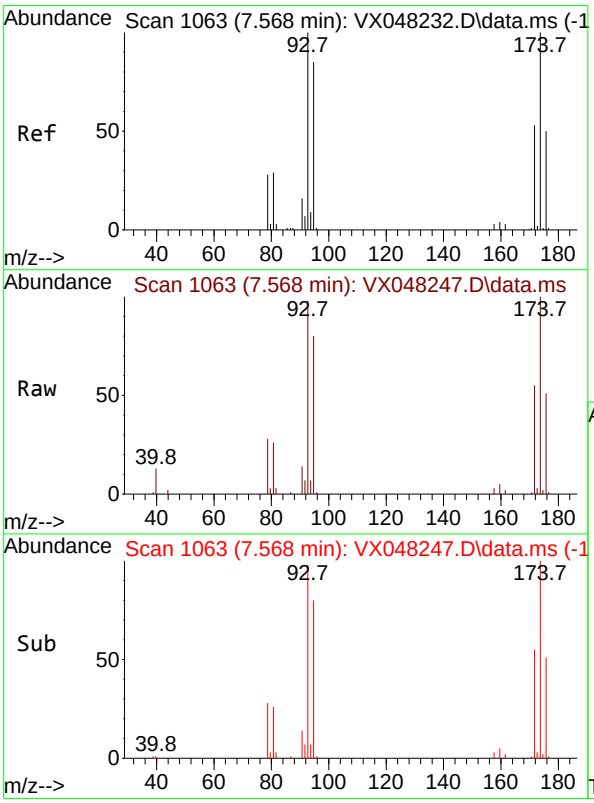

#45
1,2-Dichloropropane
Concen: 20.350 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 63 Resp: 26694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.2 | 24.1 | 36.1 |

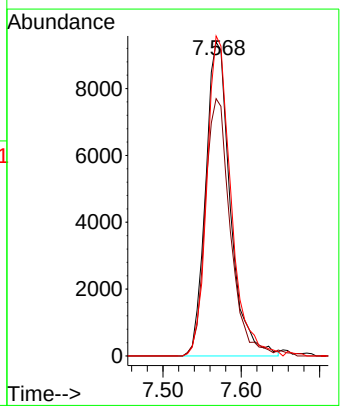


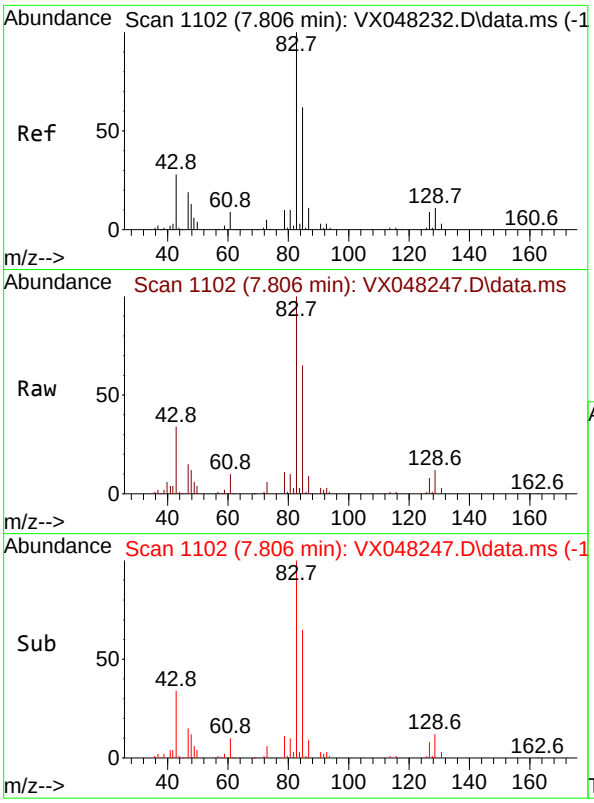




#46
Dibromomethane
Concen: 20.029 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 93 Resp: 20469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.3 | 65.9 | 98.9 |
| 174 | 99.4 | 71.7 | 107.5 |



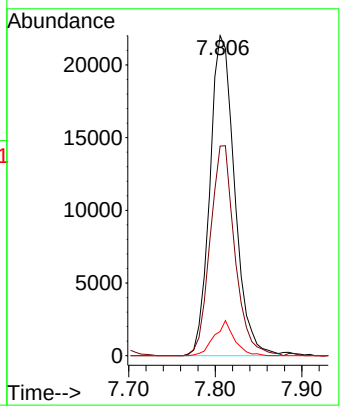


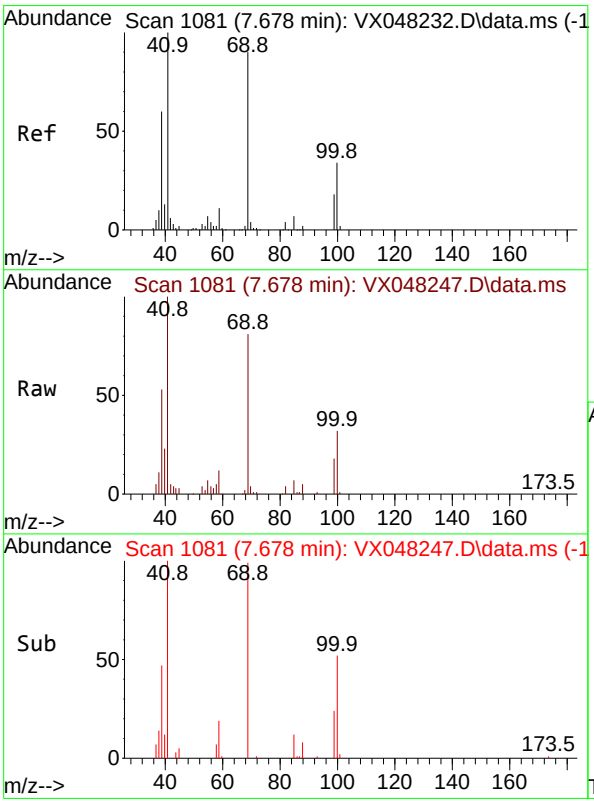

#47
Bromodichloromethane
Concen: 19.832 ug/l
RT: 7.806 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 83 Resp: 43761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.5 | 52.2 | 78.4 |
| 127 | 7.5 | 7.3 | 10.9 |

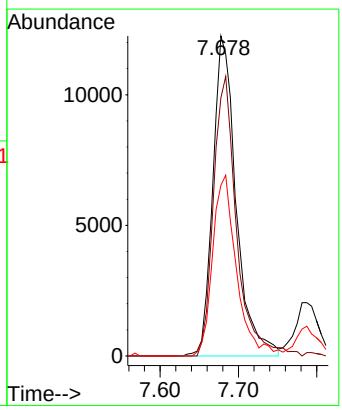


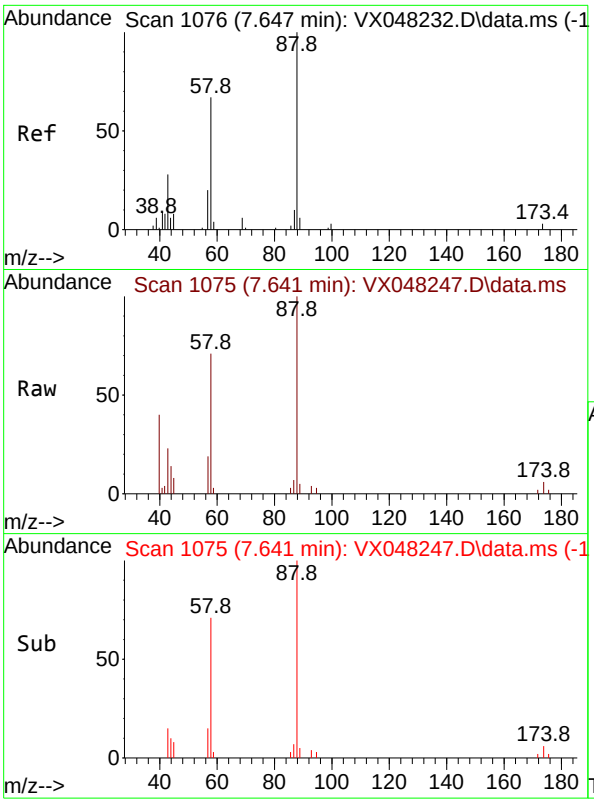




#48
Methyl methacrylate
Concen: 19.392 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 41 Resp: 25318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.6 | 63.4 | 95.0 |
| 39 | 58.0 | 47.1 | 70.7 |



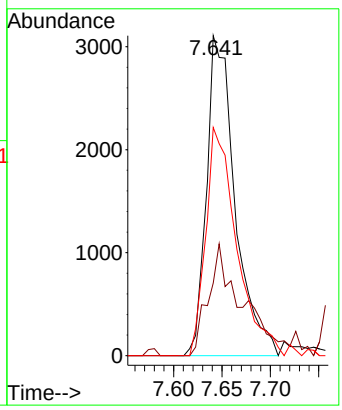


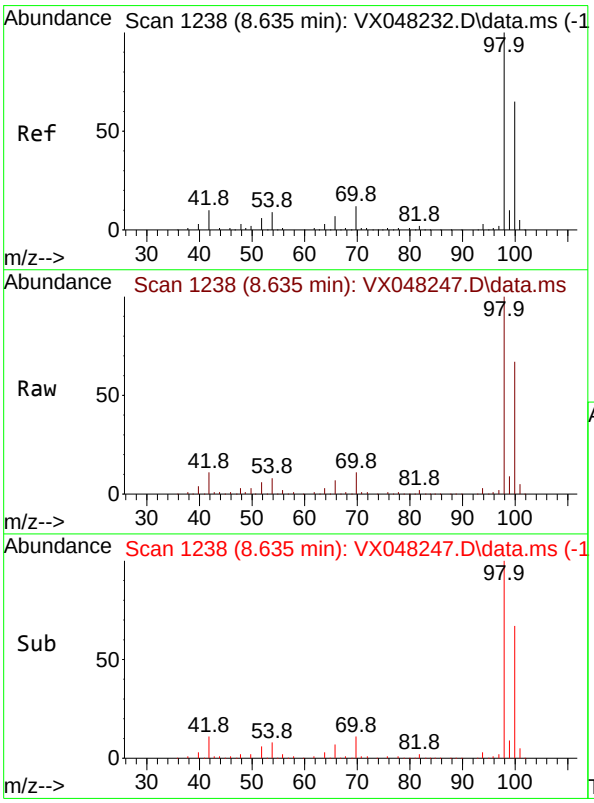

#49
1,4-Dioxane
Concen: 370.238 ug/l
RT: 7.641 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 88 Resp: 6386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.9 | 35.0 | 52.4 |
| 58 | 77.2 | 61.9 | 92.9 |

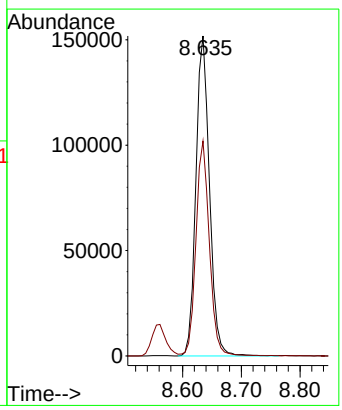


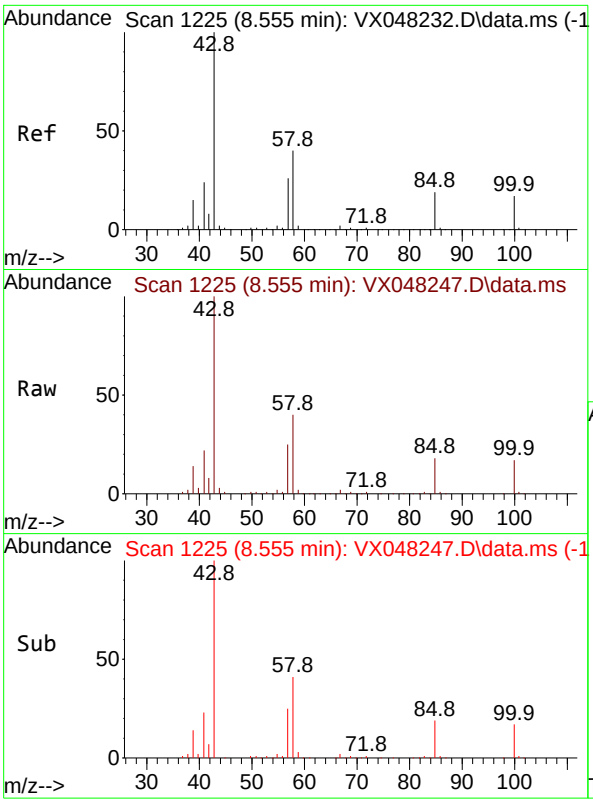




#50
Toluene-d8
Concen: 51.915 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 98 Resp: 243288

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



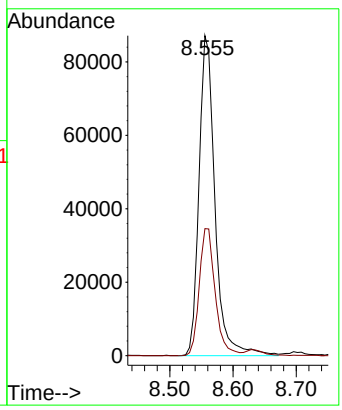


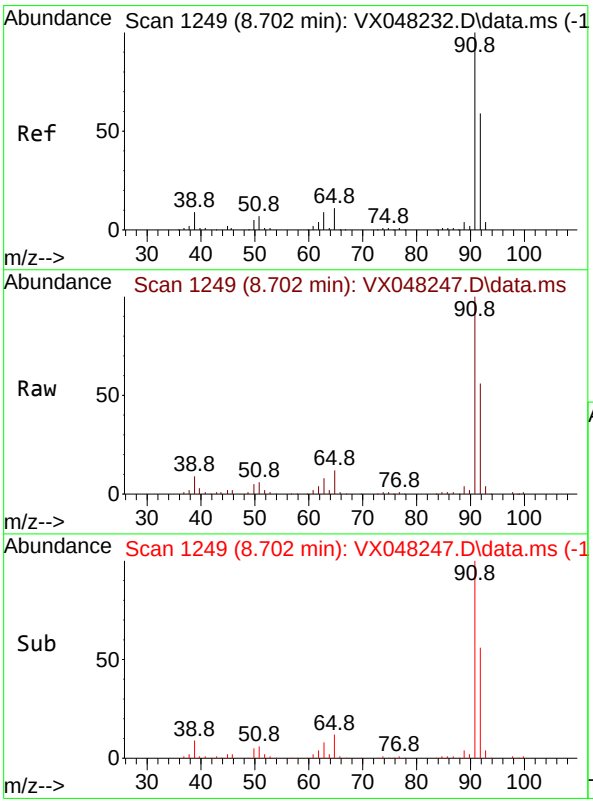

#51
4-Methyl-2-Pentanone
Concen: 102.812 ug/l
RT: 8.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 43 Resp: 153370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.6 | 29.5 | 44.3 |

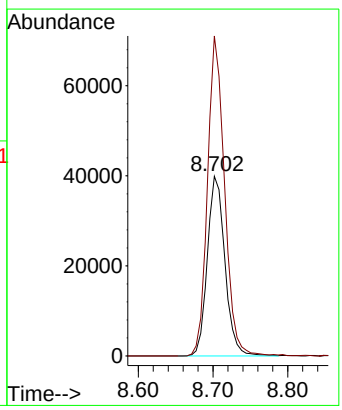


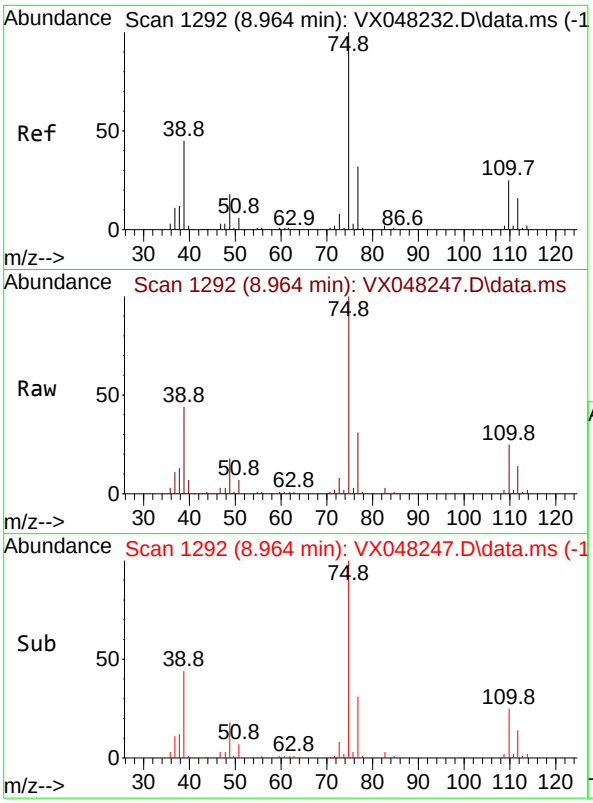




#52
Toluene
Concen: 18.650 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 92 Resp: 65370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.3 | 136.1 | 204.1 |



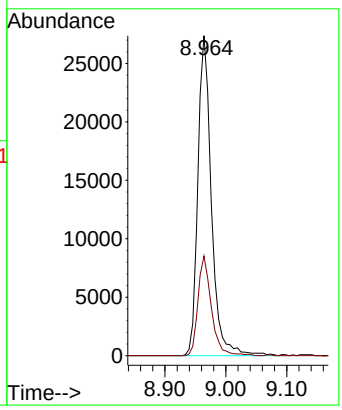


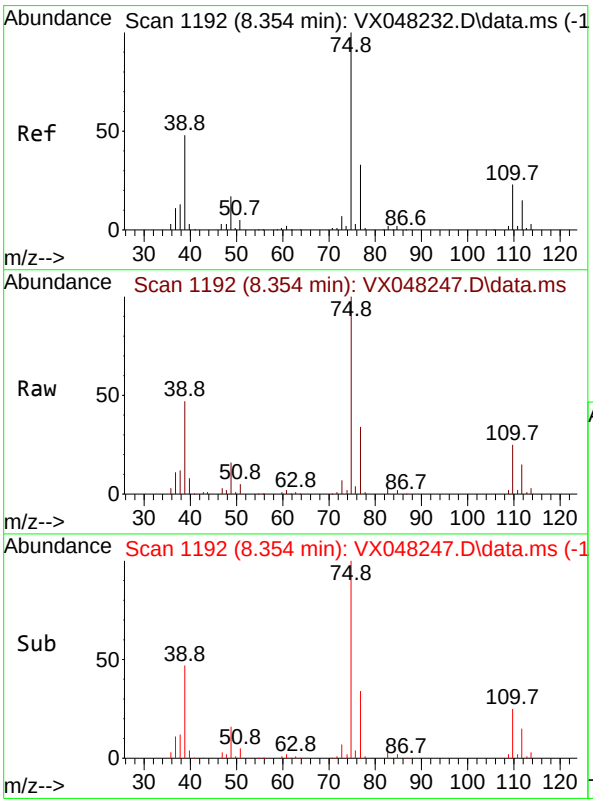

#53
t-1,3-Dichloropropene
Concen: 19.900 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 75 Resp: 42315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 25.0 | 37.6 |

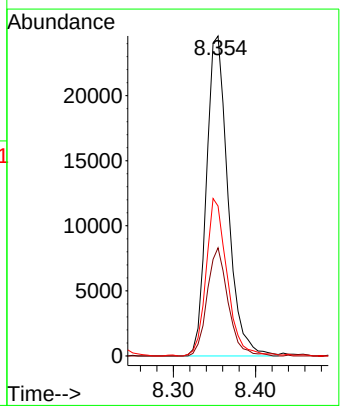


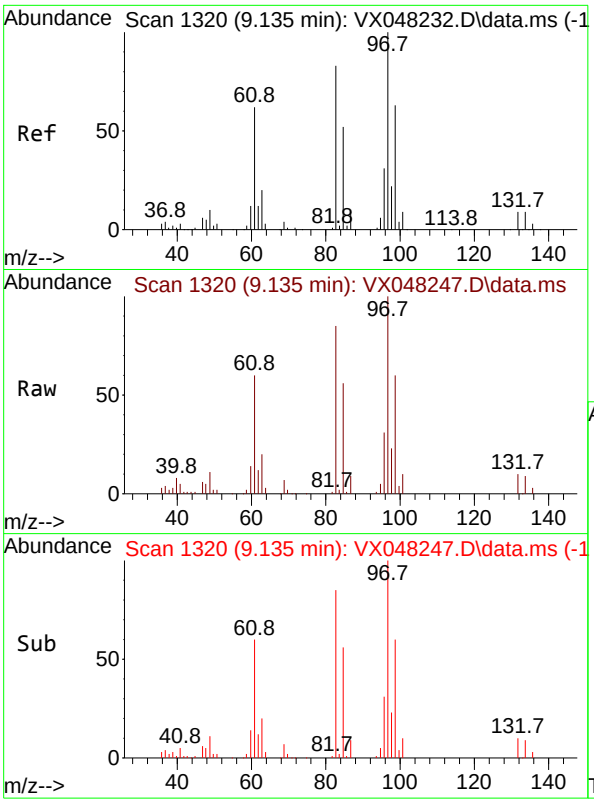




#54
cis-1,3-Dichloropropene
Concen: 19.362 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 75 Resp: 44419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.8 | 24.9 | 37.3 |
| 39 | 41.6 | 42.6 | 64.0# |



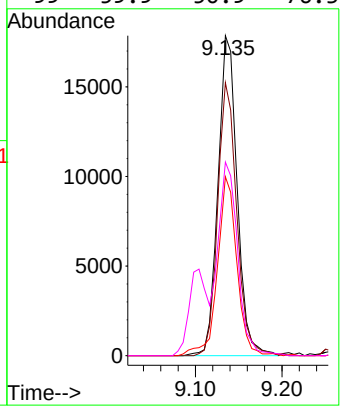


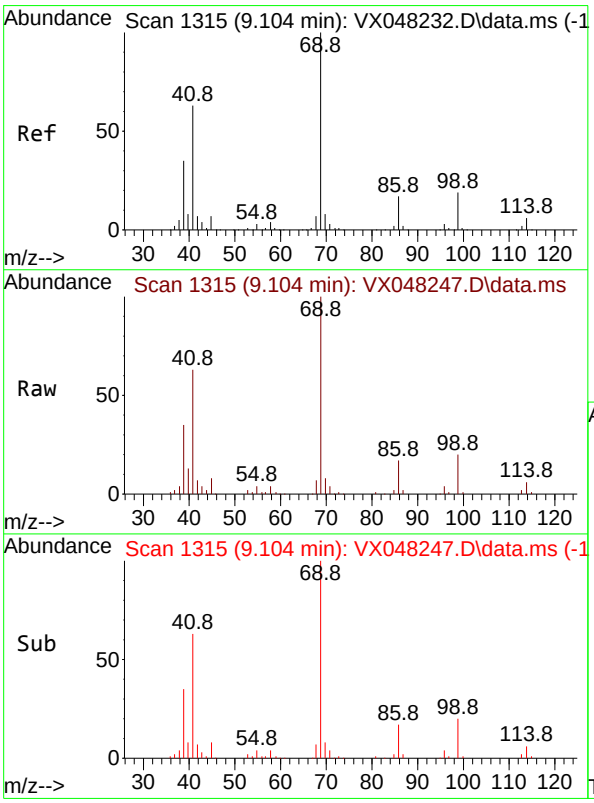

#55
1,1,2-Trichloroethane
Concen: 21.083 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 97 Resp: 27480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.3 | 70.6 | 105.8 |
| 85 | 57.3 | 45.0 | 67.6 |
| 99 | 59.9 | 50.9 | 76.3 |

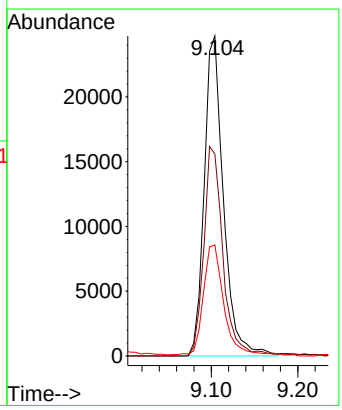


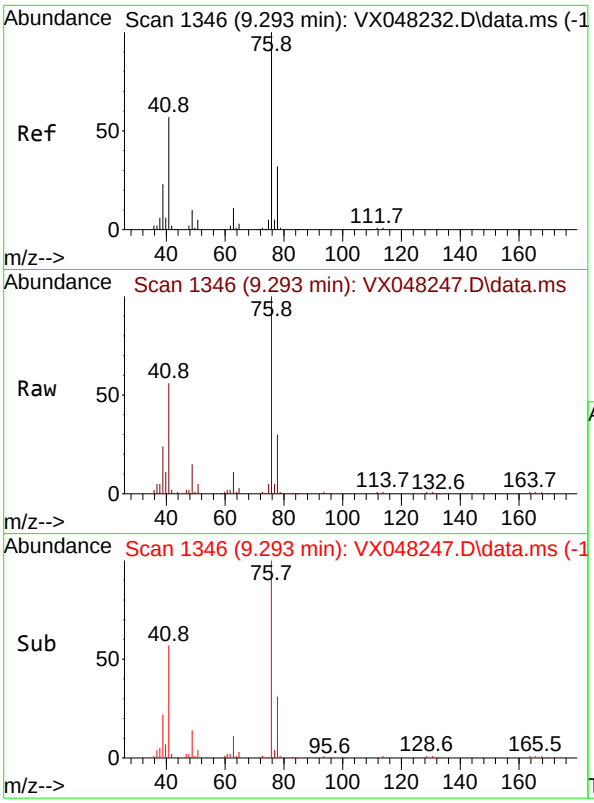




#56
Ethyl methacrylate
Concen: 19.978 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 69 Resp: 38089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 65.9 | 56.0 | 84.0 |
| 39 | 37.8 | 31.6 | 47.4 |



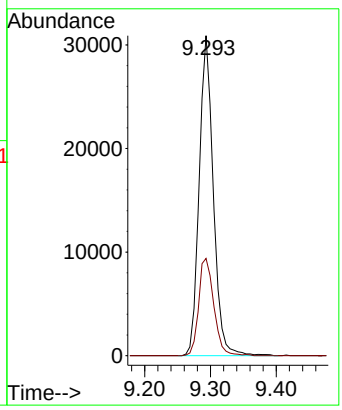


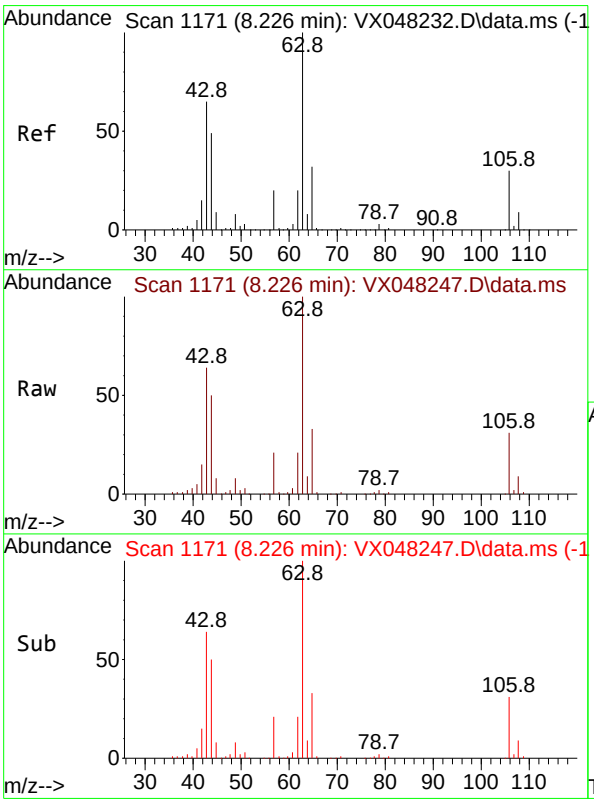

#57
1,3-Dichloropropane
Concen: 20.726 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 76 Resp: 46146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 25.4 | 38.0 |

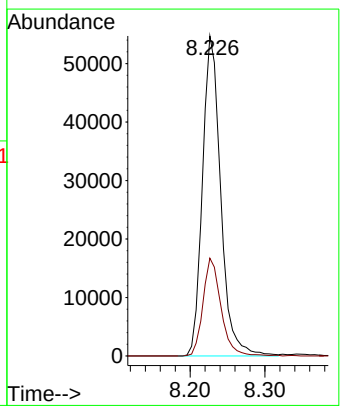


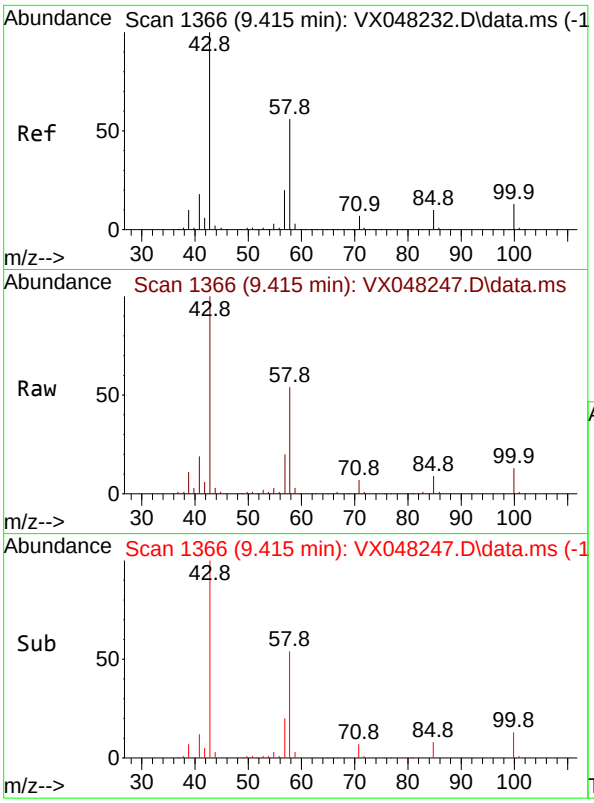




#58
2-Chloroethyl Vinyl ether
Concen: 91.719 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 63 Resp: 92914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.1 | 22.2 | 33.2 |



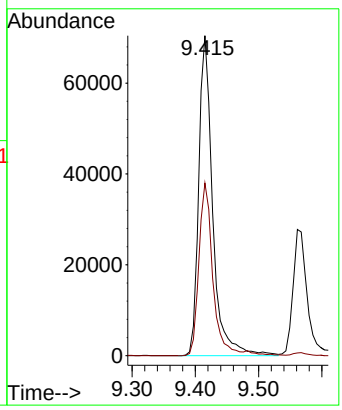


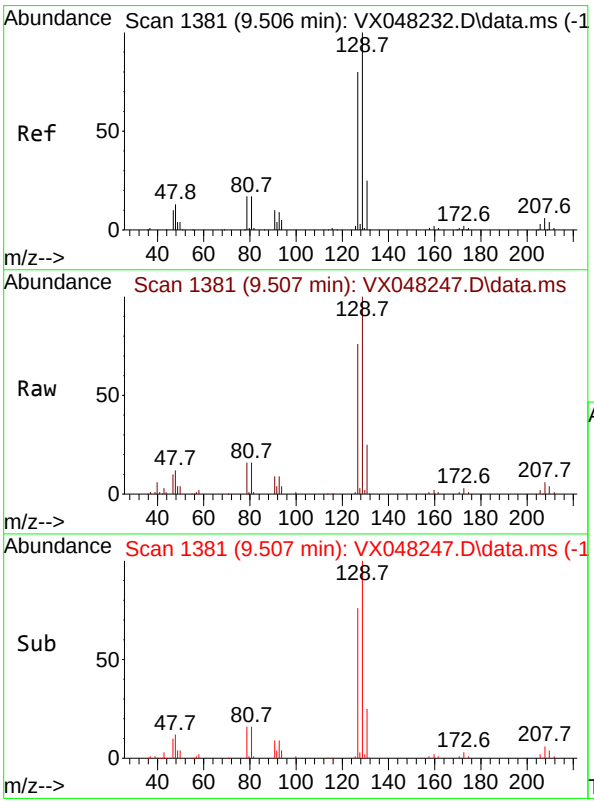

#59
2-Hexanone
Concen: 104.075 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 43 Resp: 108257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.9 | 26.3 | 78.8 |

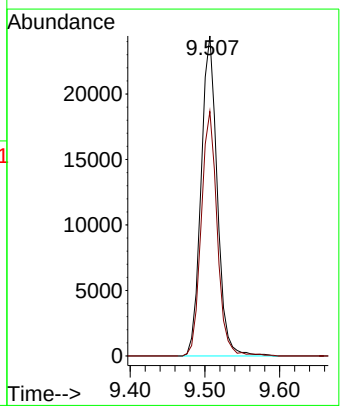


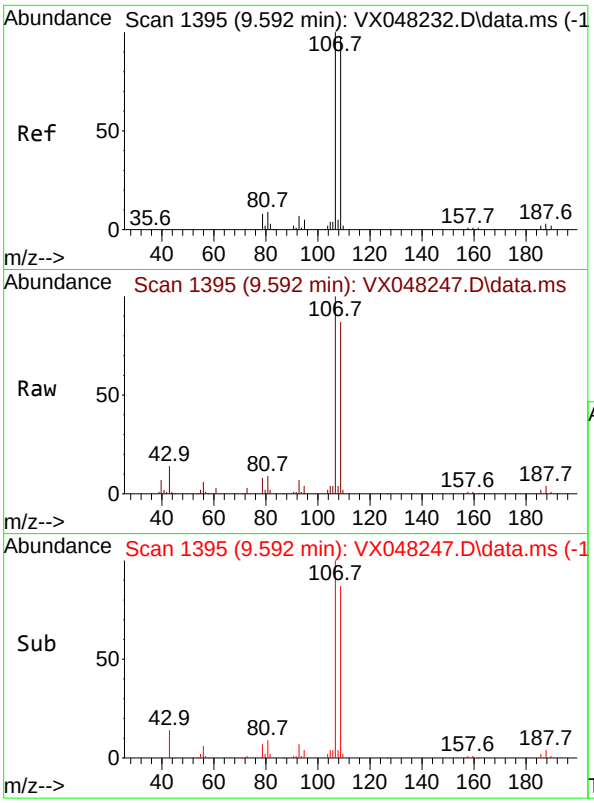




#60
Dibromochloromethane
Concen: 20.894 ug/l
RT: 9.507 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:129 Resp: 36604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.8 | 38.6 | 115.7 |



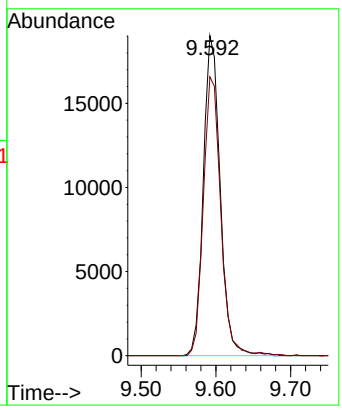


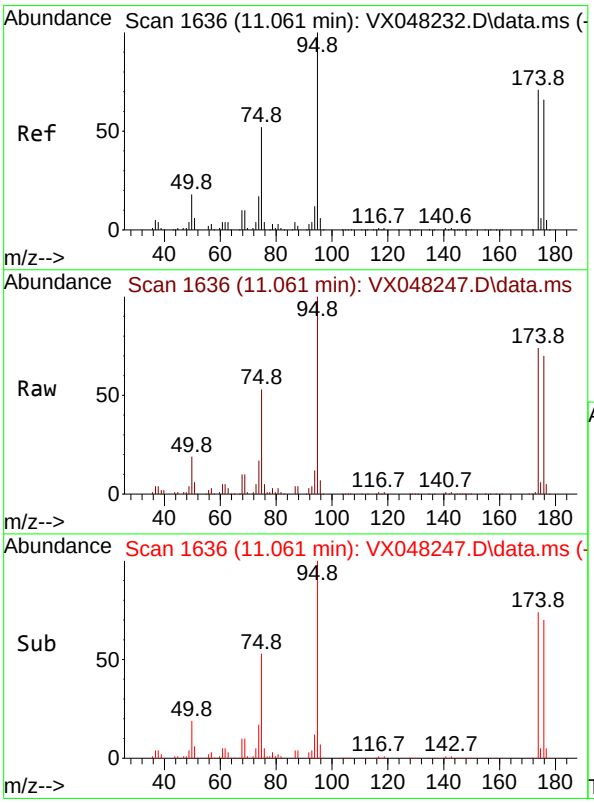

#61
1,2-Dibromoethane
Concen: 21.420 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:107 Resp: 29765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 89.3 | 77.0 | 115.4 |

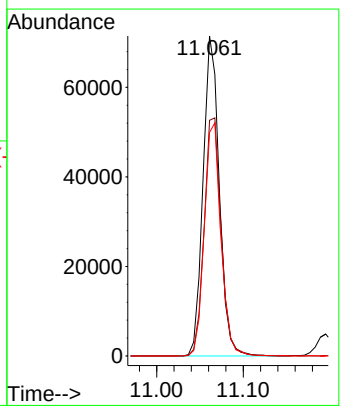


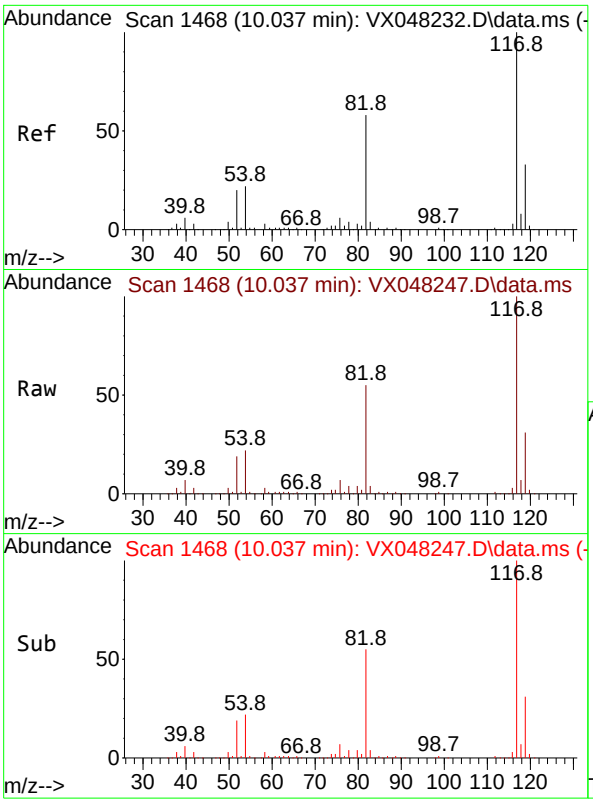




#62
4-Bromofluorobenzene
Concen: 52.139 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 95 Resp: 92954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.2 | 0.0 | 147.8 |
| 176 | 74.5 | 0.0 | 142.8 |



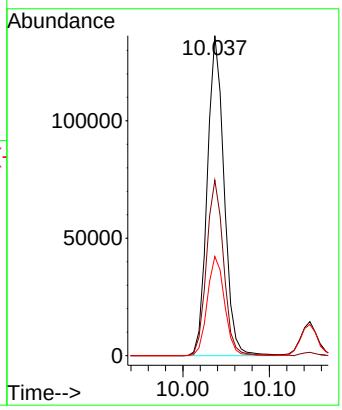


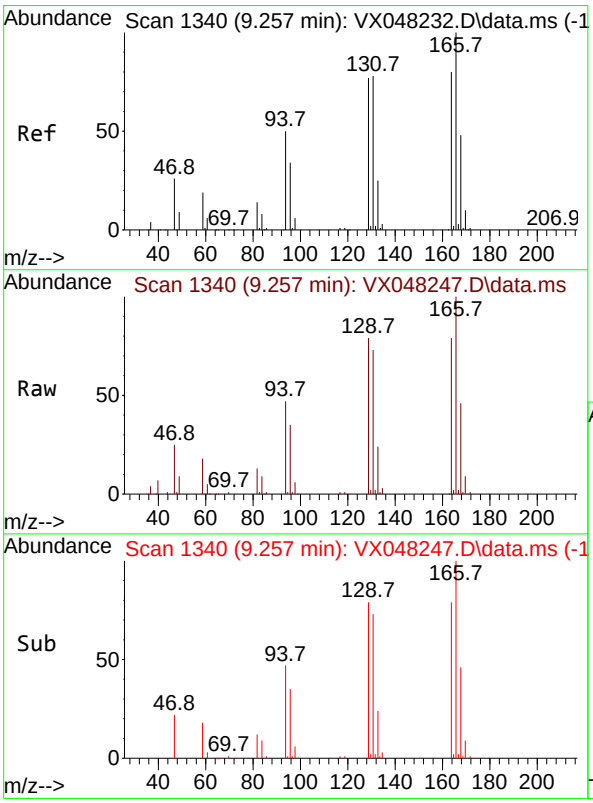

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:117 Resp: 183563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.9 | 46.5 | 69.7 |
| 119 | 31.0 | 25.9 | 38.9 |

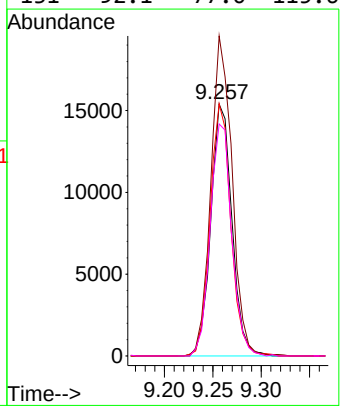


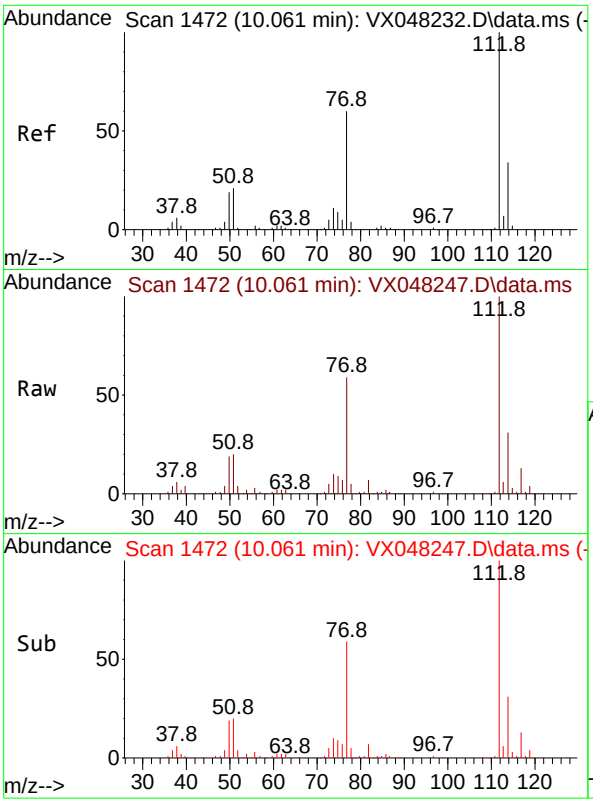




#64
Tetrachloroethene
Concen: 17.018 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:164 Resp: 23320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.0 | 104.5 | 156.7 |
| 129 | 100.1 | 81.8 | 122.6 |
| 131 | 92.1 | 77.0 | 115.6 |



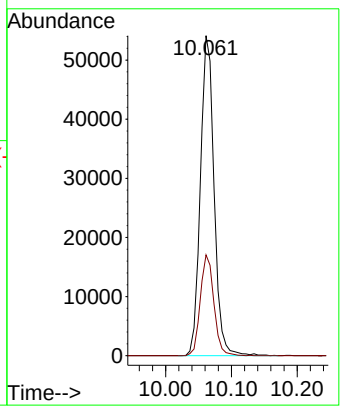


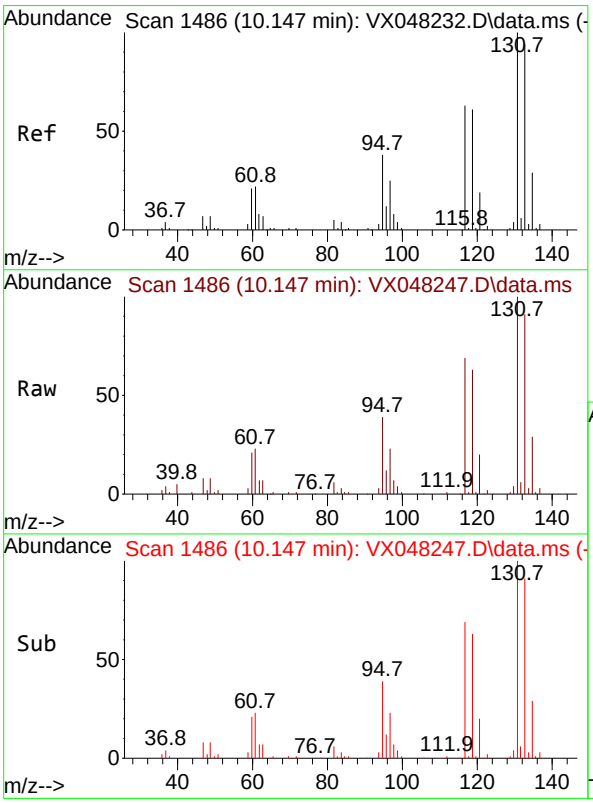

#65
Chlorobenzene
Concen: 18.971 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:112 Resp: 78337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.5 | 26.2 | 39.2 |

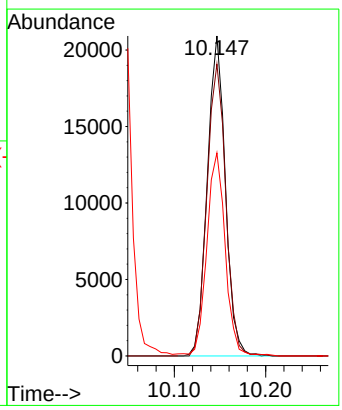


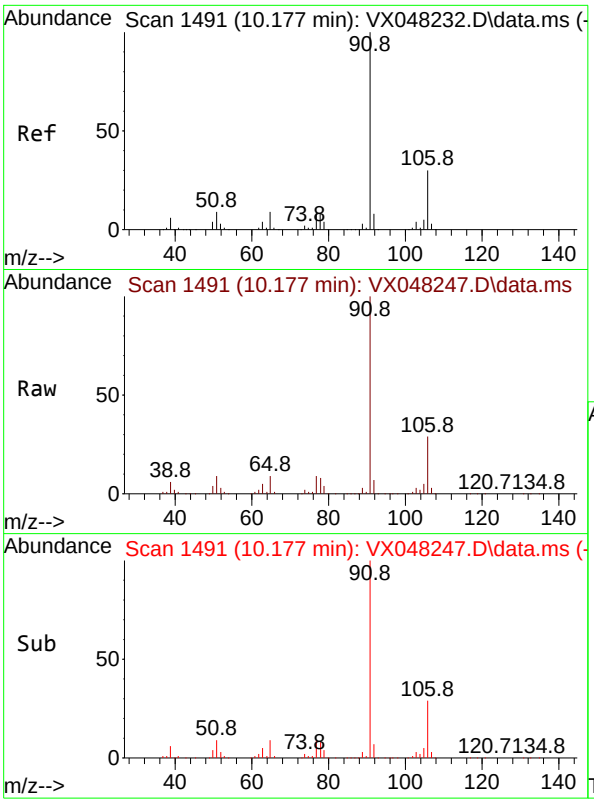




#66
1,1,1,2-Tetrachloroethane
Concen: 18.889 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:131 Resp: 28648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 47.6 | 142.8 |
| 119 | 64.9 | 32.5 | 97.5 |



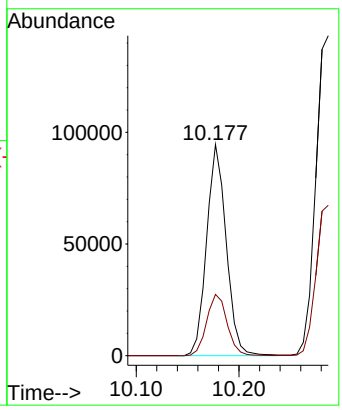


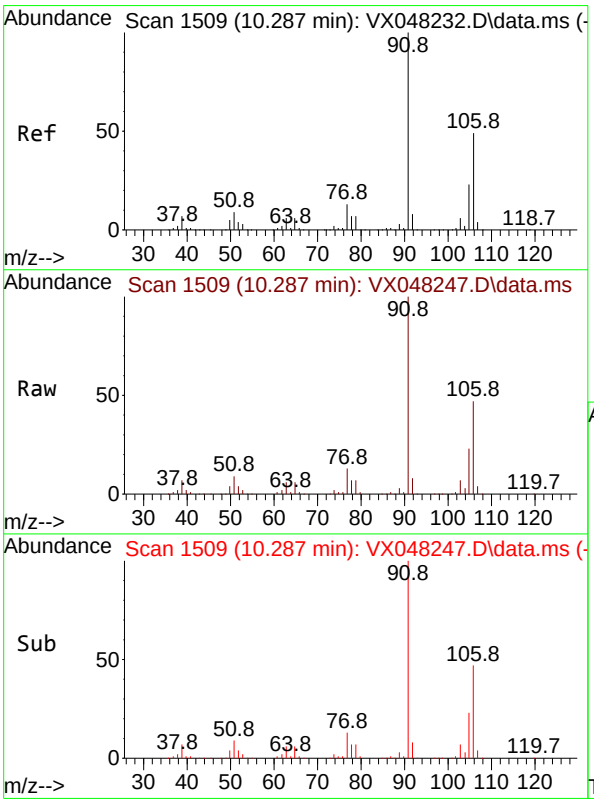

#67
Ethyl Benzene
Concen: 17.821 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 91 Resp: 125292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.0 | 23.8 | 35.6 |

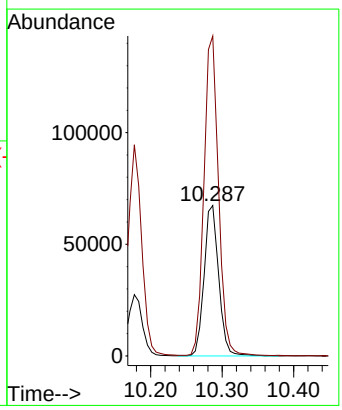


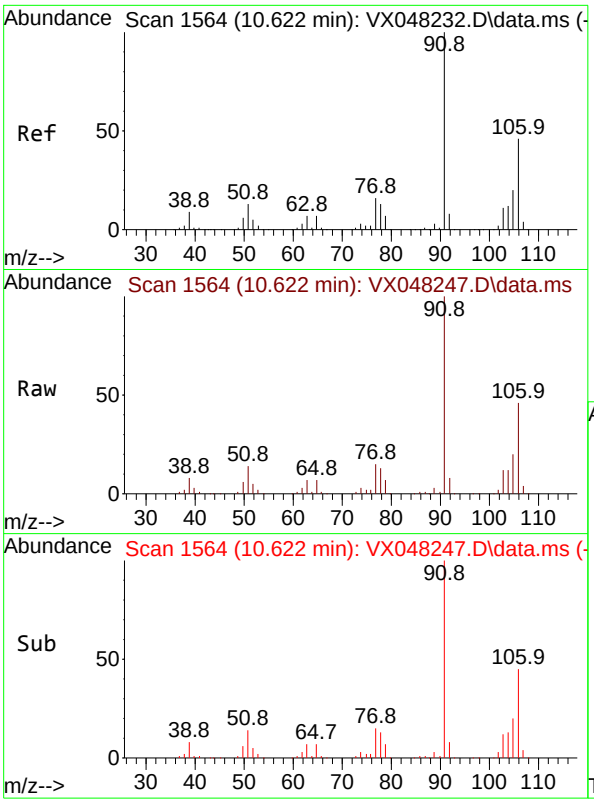




#68
m/p-Xylenes
Concen: 36.604 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:106 Resp: 95614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.2 | 167.9 | 251.9 |



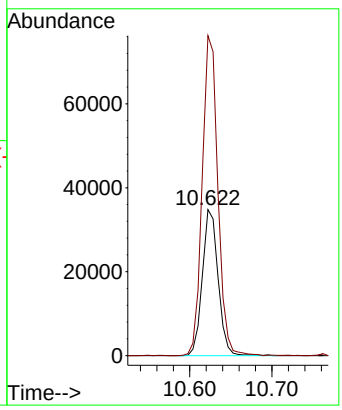


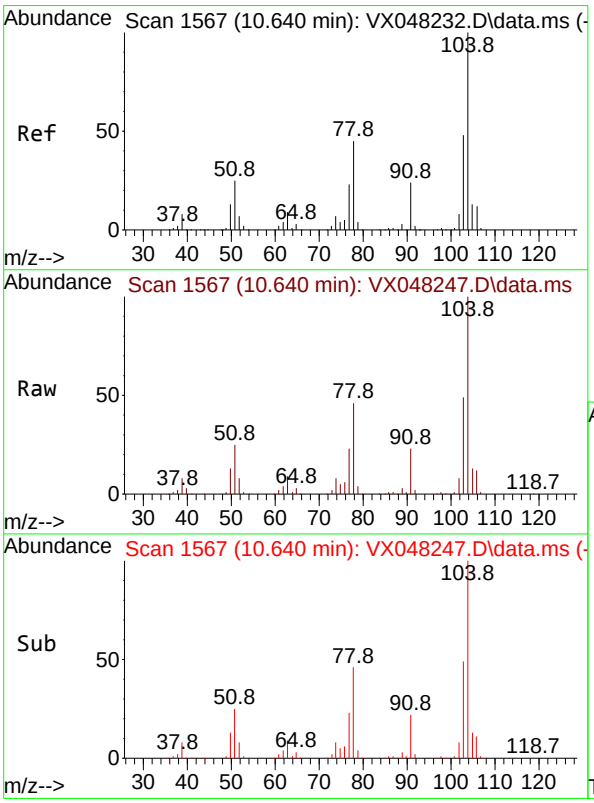

#69
o-Xylene
Concen: 18.374 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:106 Resp: 46336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.8 | 111.3 | 333.9 |

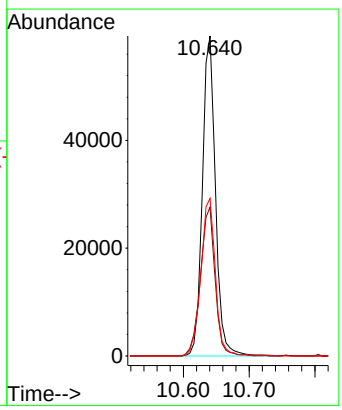


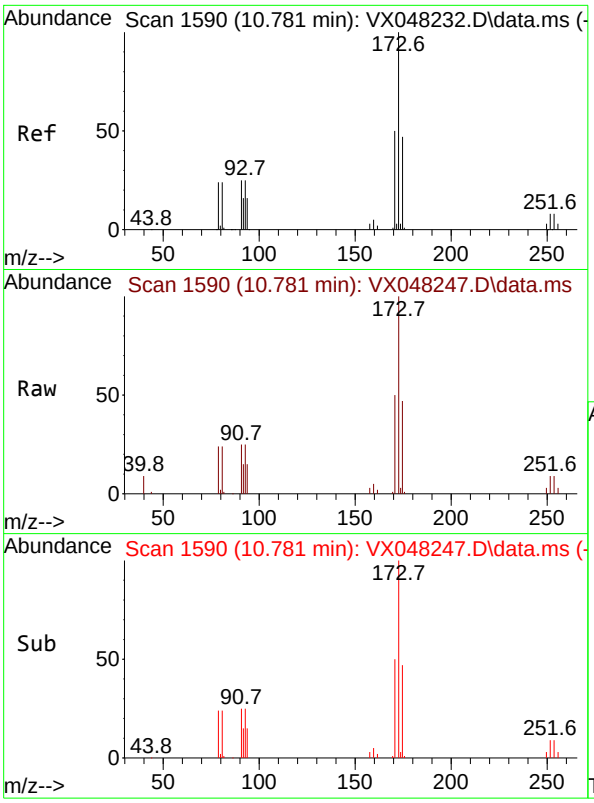




#70
Styrene
Concen: 19.141 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:104 Resp: 82194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.1 | 42.2 | 63.4 |
| 103 | 54.6 | 43.0 | 64.4 |



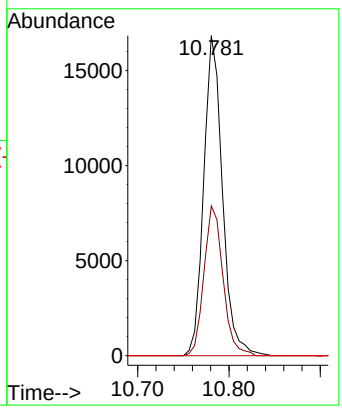


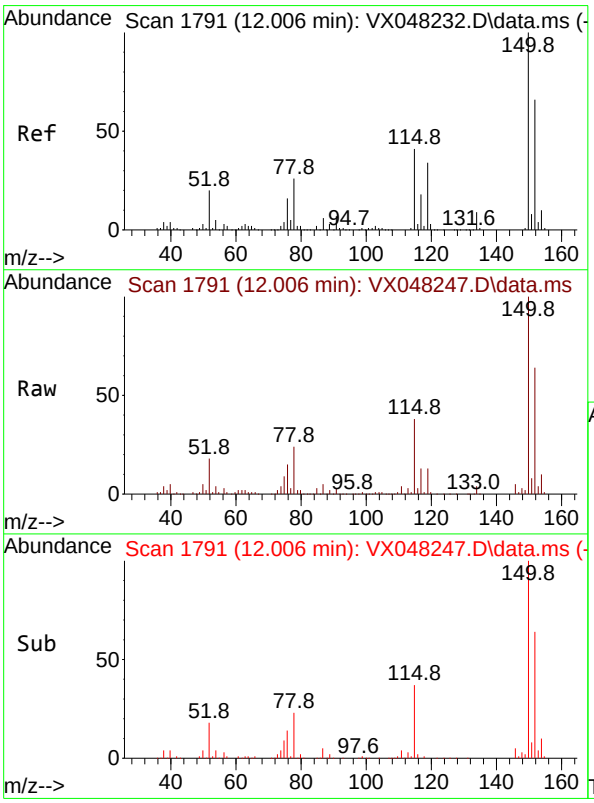

#71
Bromoform
Concen: 19.710 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:173 Resp: 23892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.6 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |

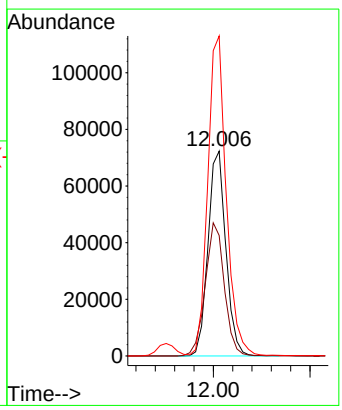


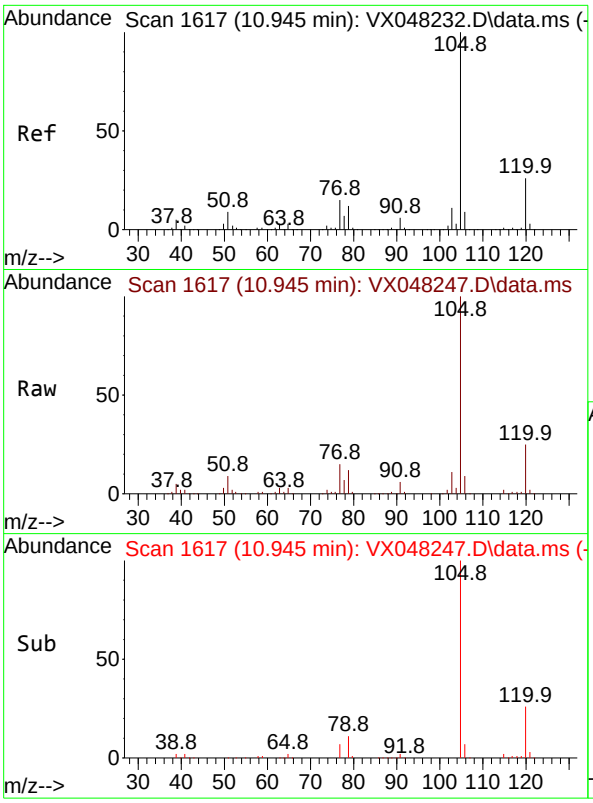




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:152 Resp: 92655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 69.3 | 43.1 | 129.4 |
| 150 | 161.7 | 0.0 | 353.0 |



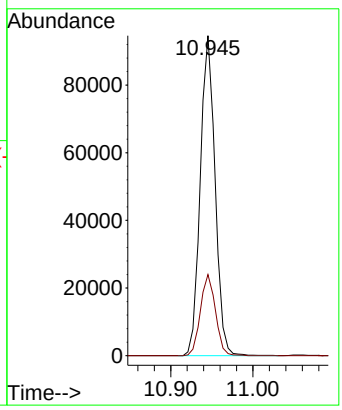


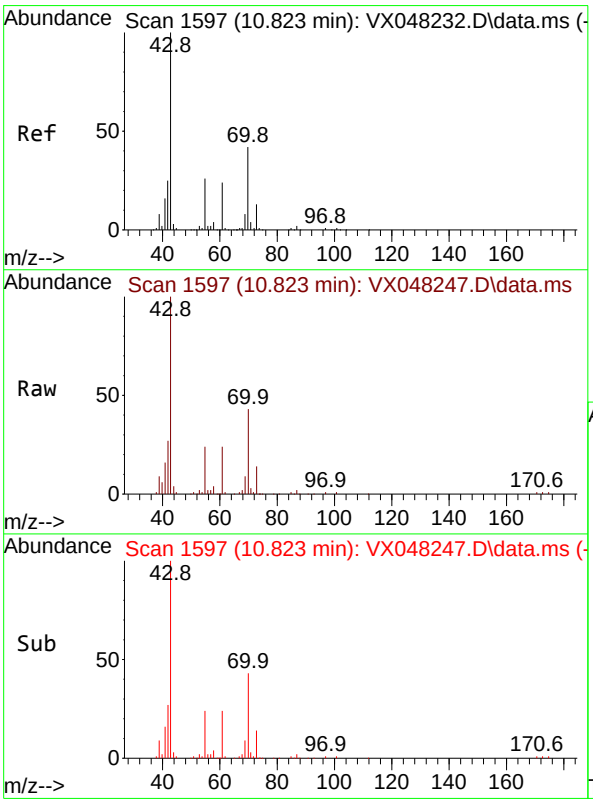

#73
Isopropylbenzene
Concen: 17.504 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:105 Resp: 118461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 13.0 | 38.9 |

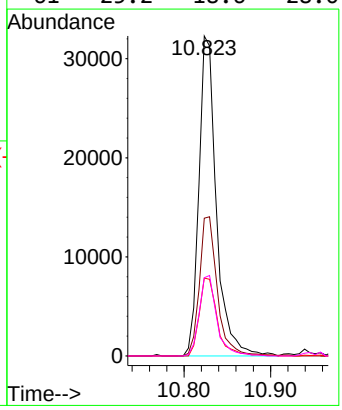


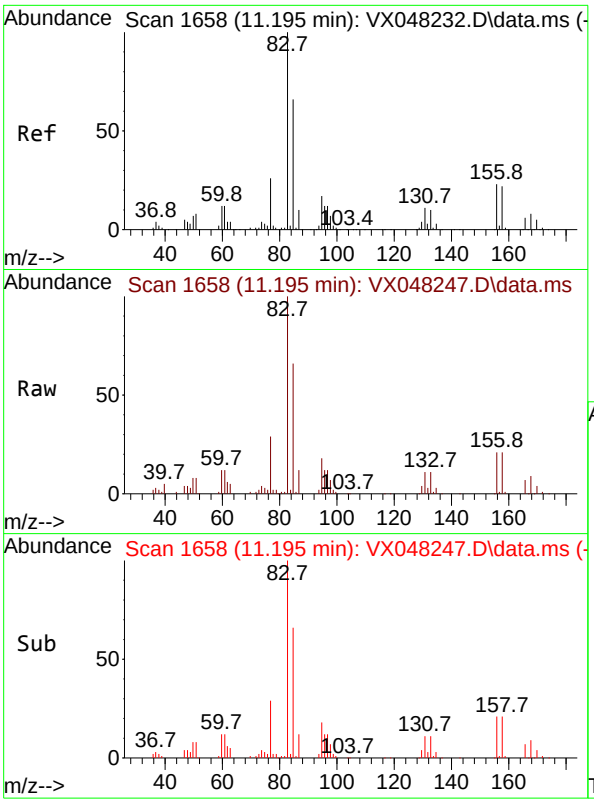




#74
N-amyl acetate
Concen: 18.864 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 43 Resp: 45284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.8 | 32.2 | 48.2 |
| 55 | 25.1 | 19.1 | 28.7 |
| 61 | 25.2 | 18.6 | 28.0 |



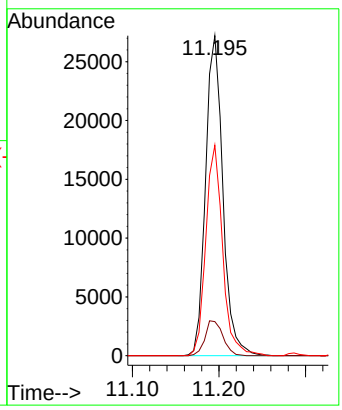


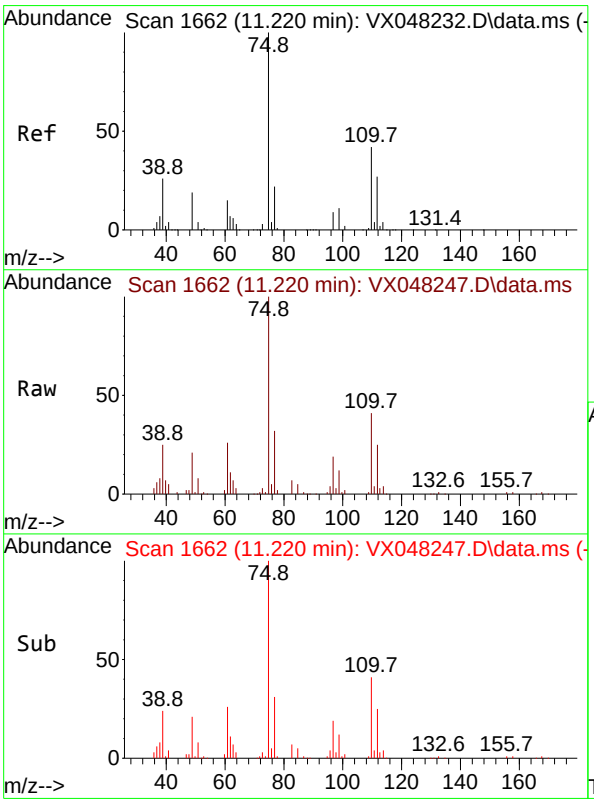

#75
1,1,2,2-Tetrachloroethane
Concen: 20.412 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 83 Resp: 37724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 11.3 | 4.8 | 14.4 |
| 85 | 64.3 | 31.9 | 95.7 |

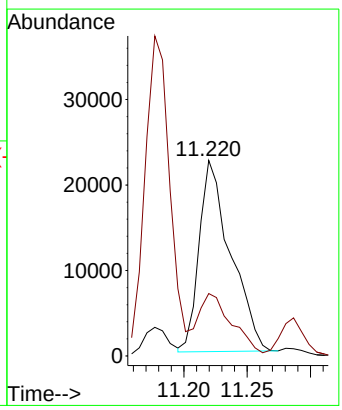


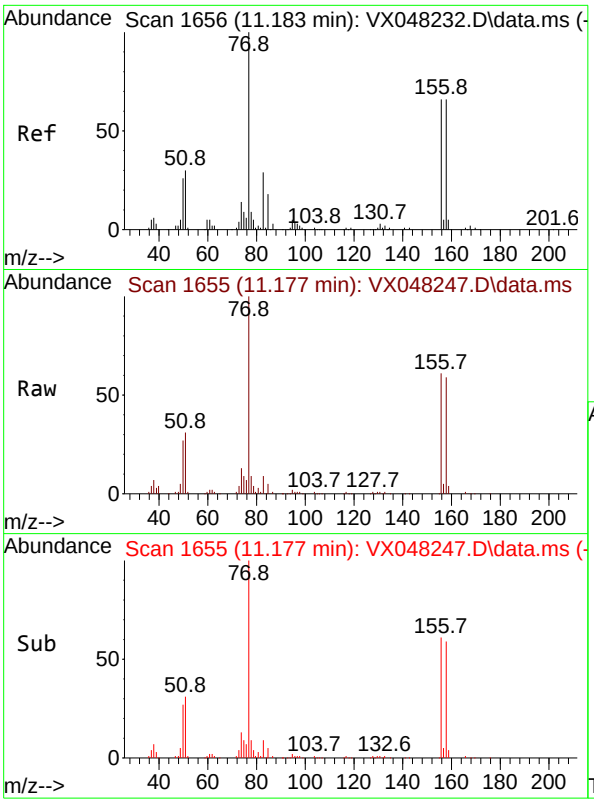




#76
1,2,3-Trichloropropane
Concen: 25.841 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 75 Resp: 38827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.9 | 22.4 | 67.2 |



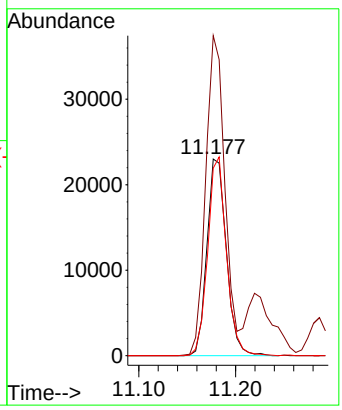


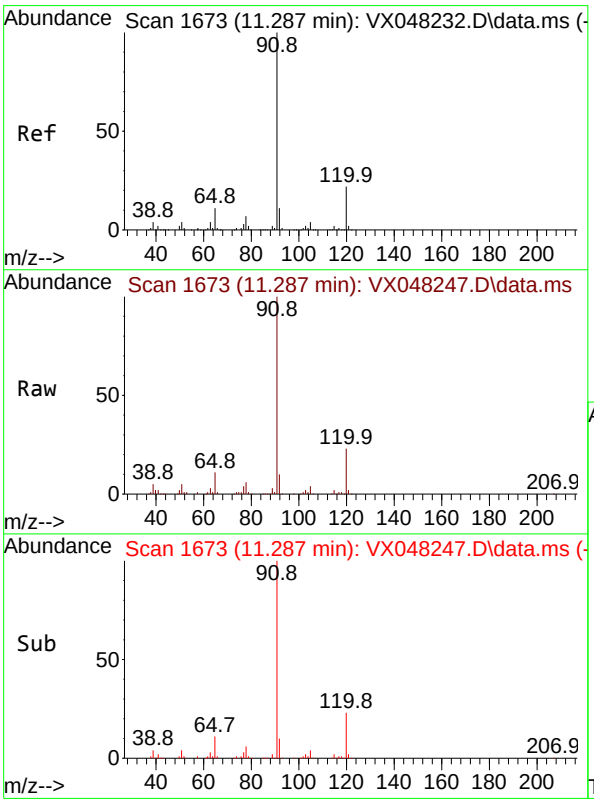

#77
Bromobenzene
Concen: 18.952 ug/l
RT: 11.177 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:156 Resp: 32159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 159.3 | 87.0 | 261.0 |
| 158 | 97.4 | 47.8 | 143.4 |

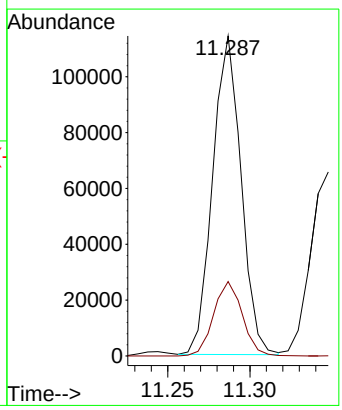


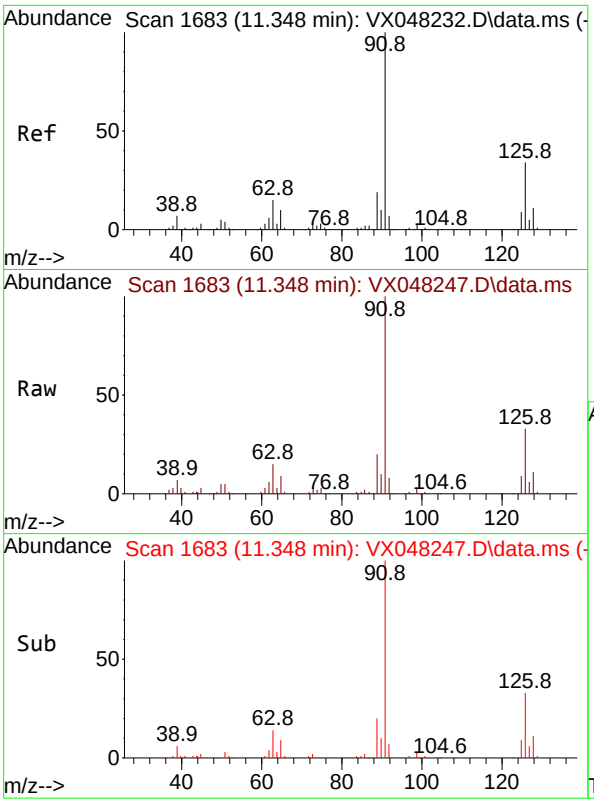




#78
n-propylbenzene
Concen: 17.482 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 91 Resp: 136981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.6 | 11.1 | 33.1 |



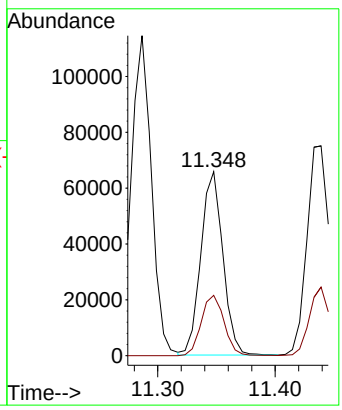


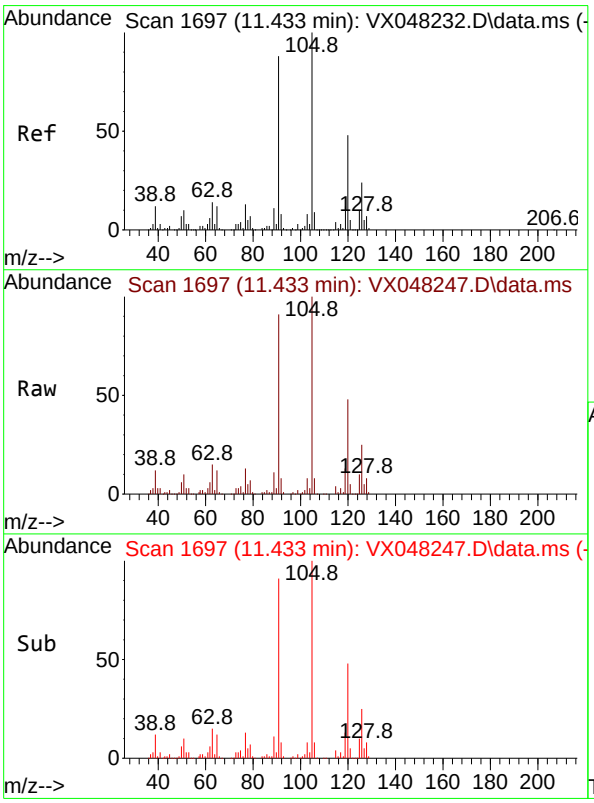

#79
2-Chlorotoluene
Concen: 18.016 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 91 Resp: 85588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.2 | 16.4 | 49.4 |

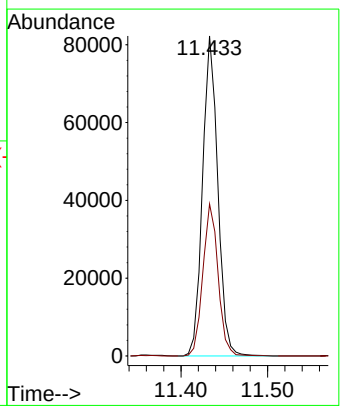


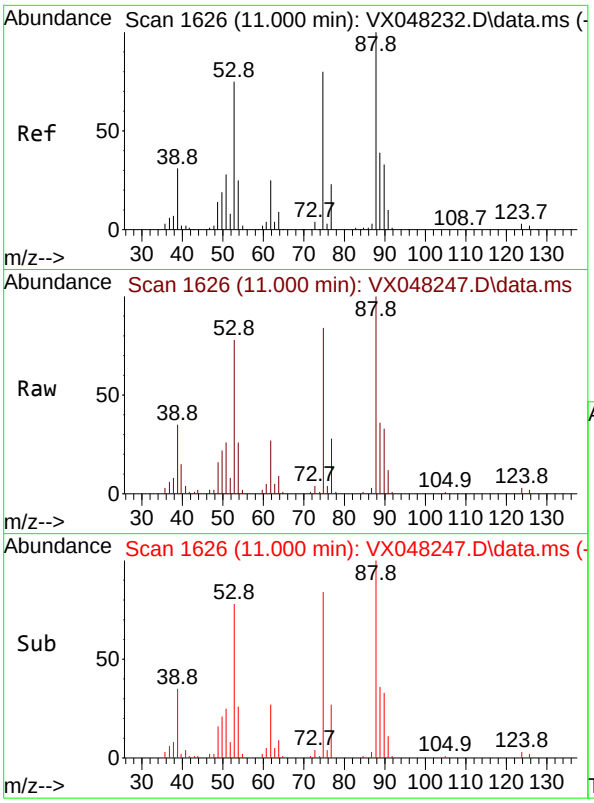




#80
1,3,5-Trimethylbenzene
Concen: 17.922 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:105 Resp: 100372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.5 | 24.0 | 72.0 |



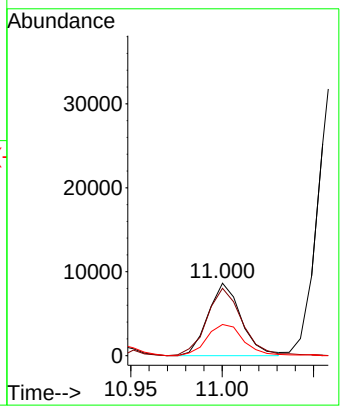


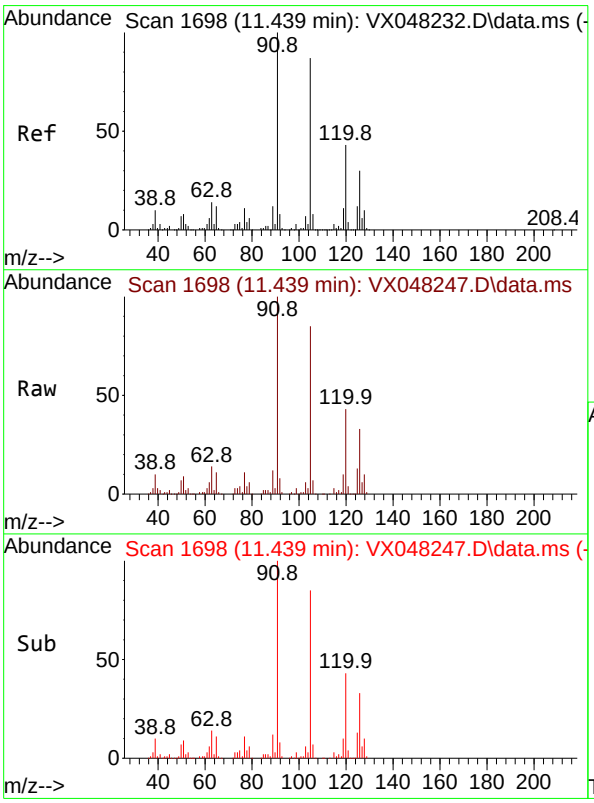

#81
trans-1,4-Dichloro-2-butene
Concen: 17.654 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 75 Resp: 10903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 99.2 | 79.5 | 119.3 |
| 89 | 48.2 | 36.8 | 55.2 |

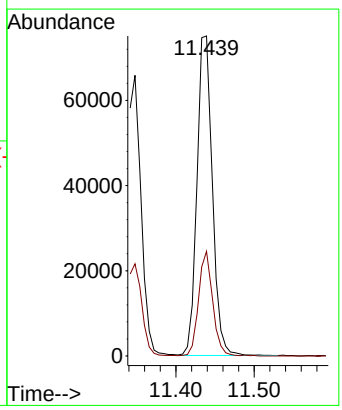


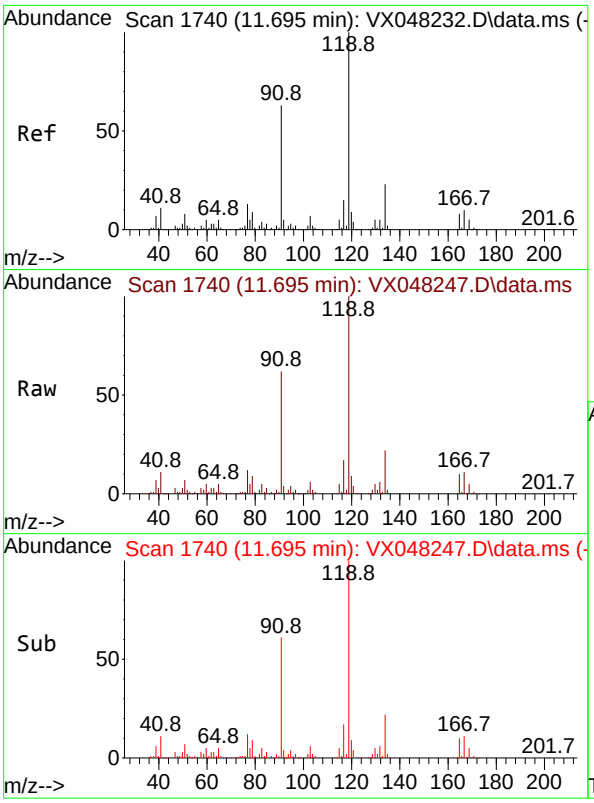




#82
4-Chlorotoluene
Concen: 18.204 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 91 Resp: 102658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.7 | 14.1 | 42.4 |



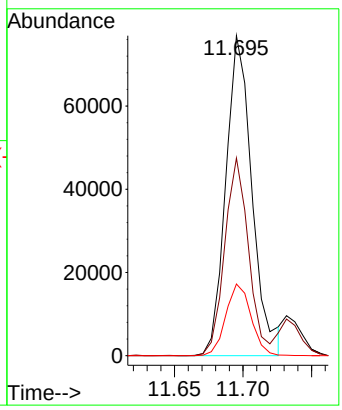


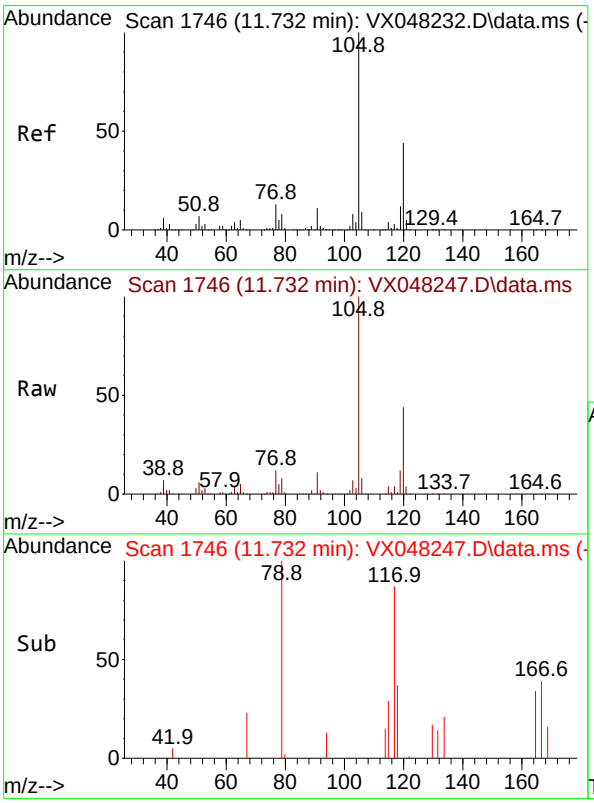

#83
tert-Butylbenzene
Concen: 17.807 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:119 Resp: 102465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 56.3 | 30.3 | 91.0 |
| 134 | 21.6 | 11.4 | 34.2 |

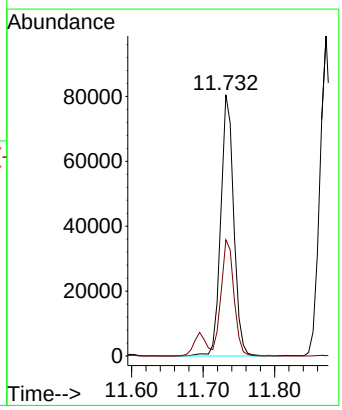


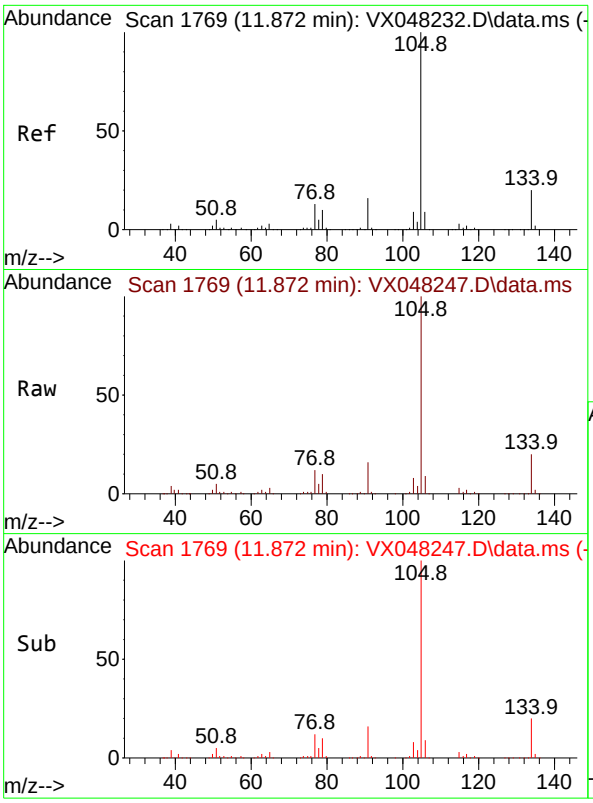




#84
1,2,4-Trimethylbenzene
Concen: 18.149 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:105 Resp: 101437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.9 | 22.1 | 66.5 |



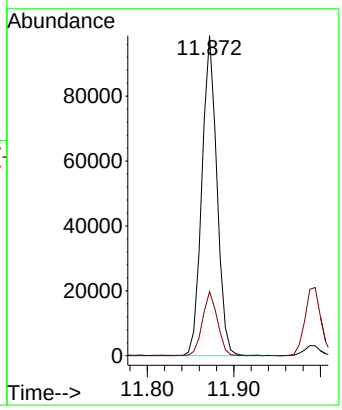


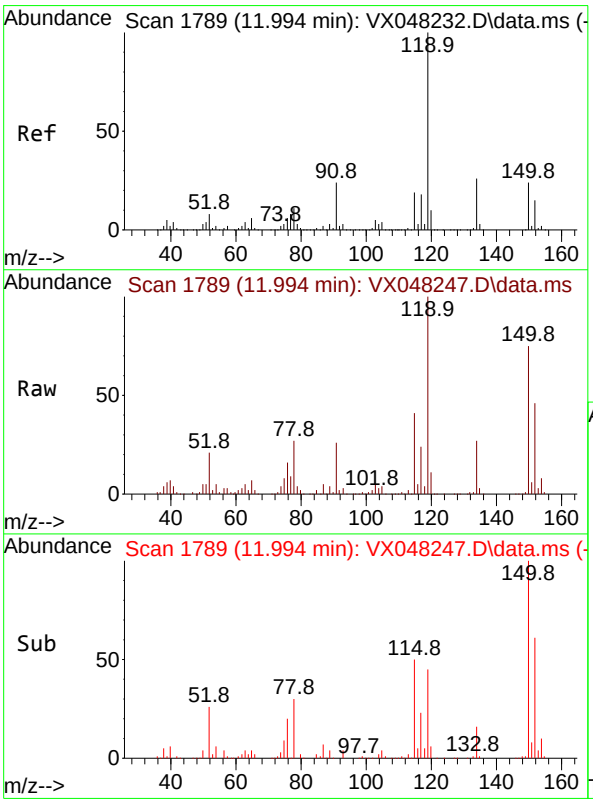

#85
sec-Butylbenzene
Concen: 17.126 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:105 Resp: 118566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 10.1 | 30.1 |

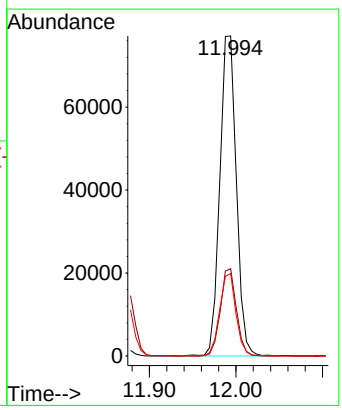


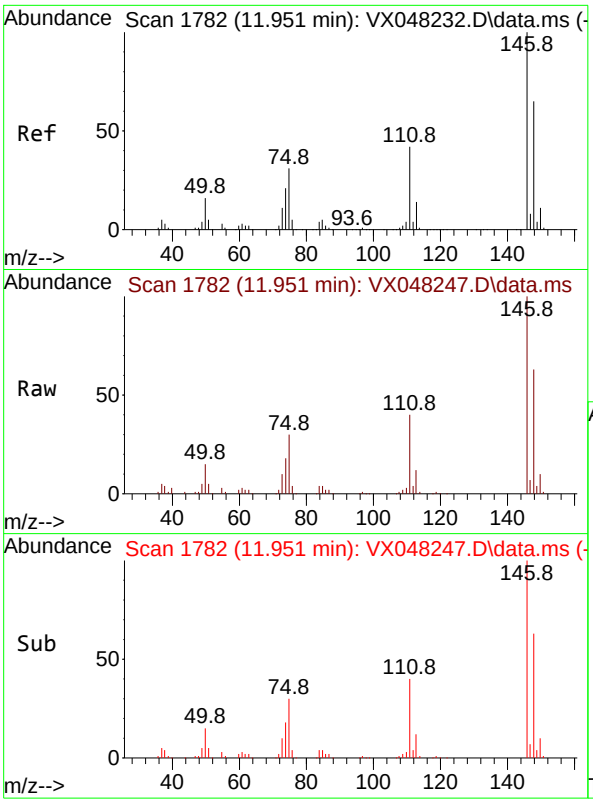




#86
p-Isopropyltoluene
Concen: 17.091 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:119 Resp: 102269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.4 | 13.0 | 39.0 |
| 91 | 25.4 | 12.1 | 36.3 |



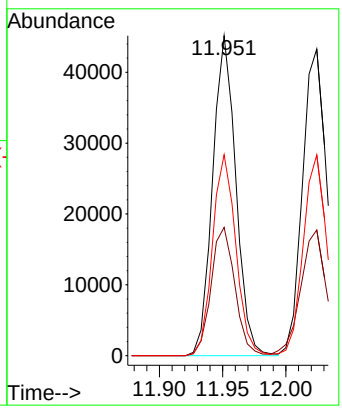


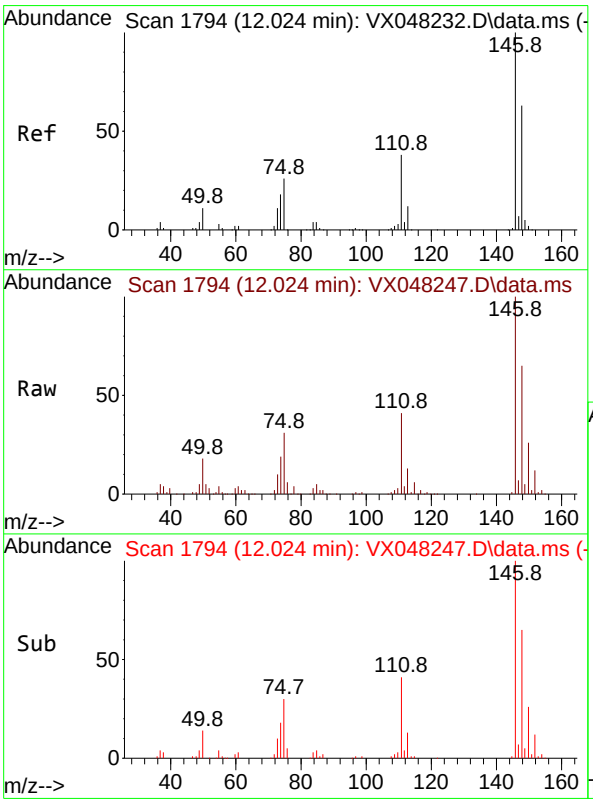

#87
1,3-Dichlorobenzene
Concen: 18.001 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:146 Resp: 57585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 20.4 | 61.2 |
| 148 | 63.2 | 31.9 | 95.9 |

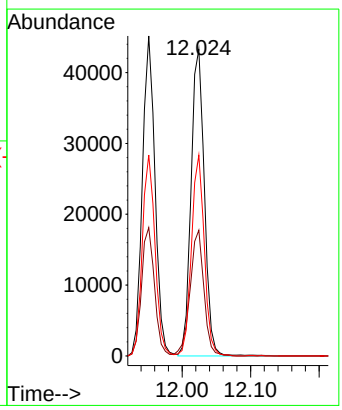


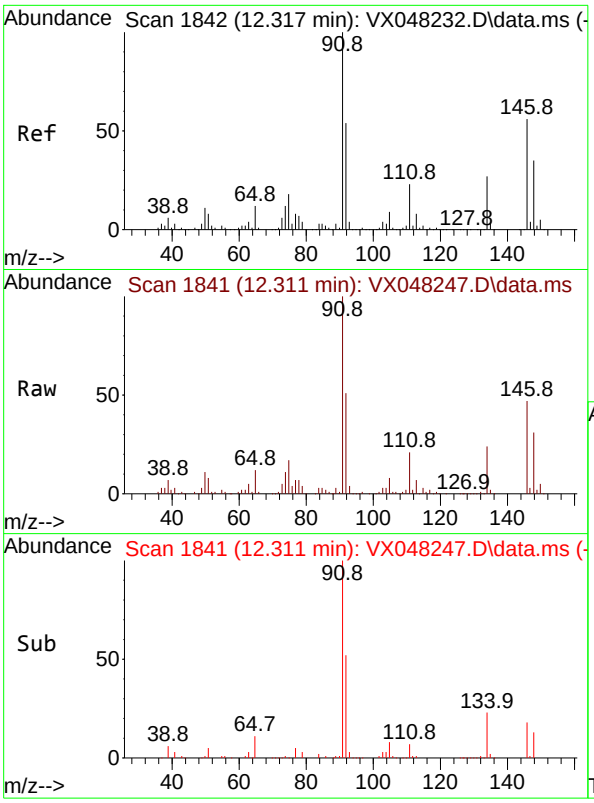




#88
1,4-Dichlorobenzene
Concen: 17.690 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:146 Resp: 58623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 20.1 | 60.2 |
| 148 | 63.1 | 31.8 | 95.3 |



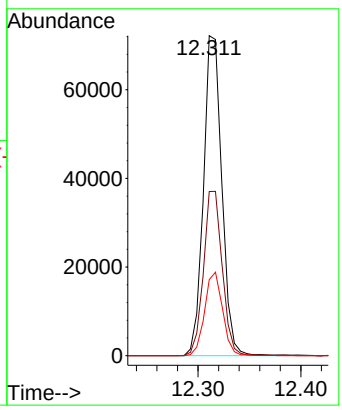


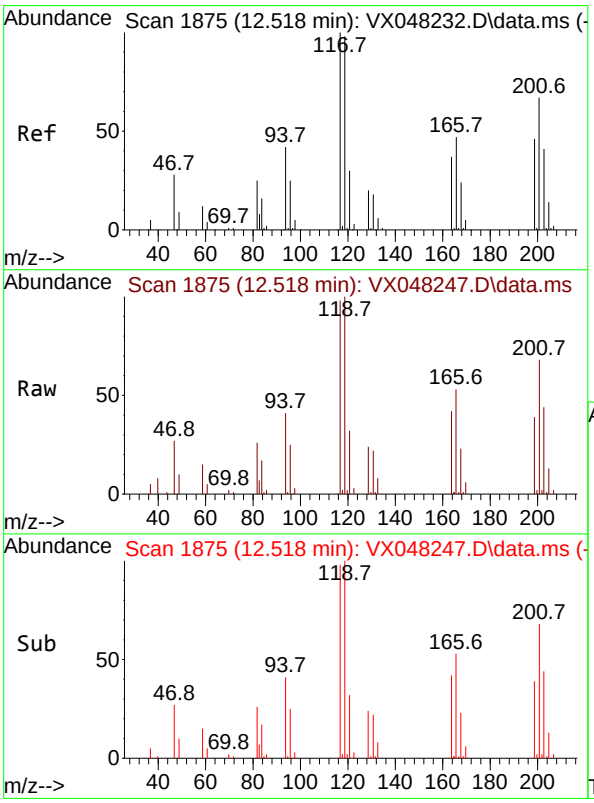

#89
n-Butylbenzene
Concen: 16.501 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion: 91 Resp: 89874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.6 | 26.9 | 80.6 |
| 134 | 25.5 | 12.7 | 38.1 |

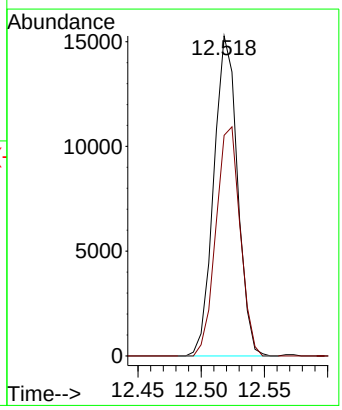


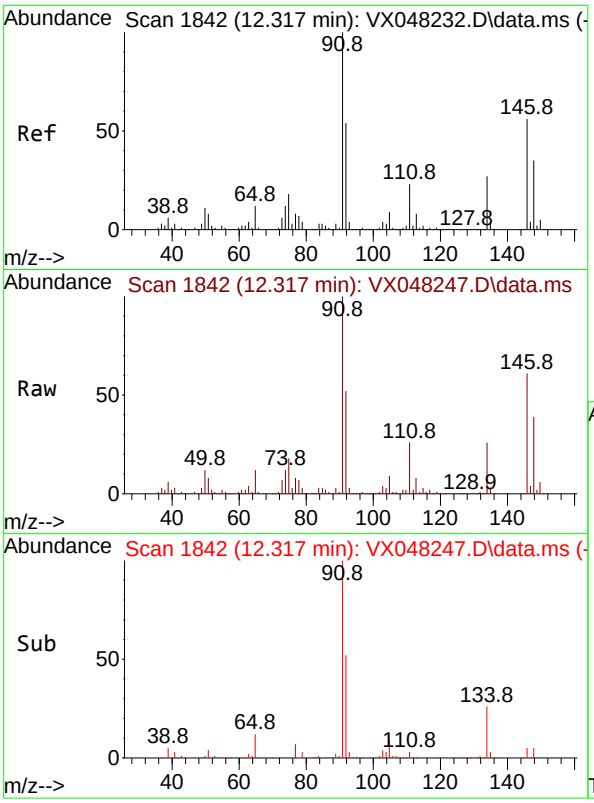




#90
Hexachloroethane
Concen: 16.842 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:117 Resp: 19902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 73.0 | 34.1 | 102.2 |



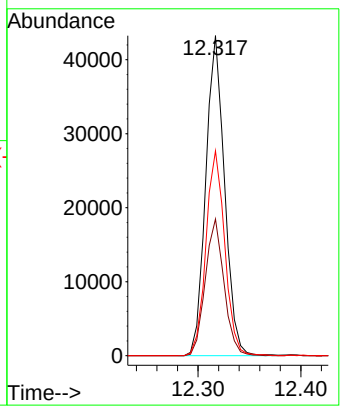


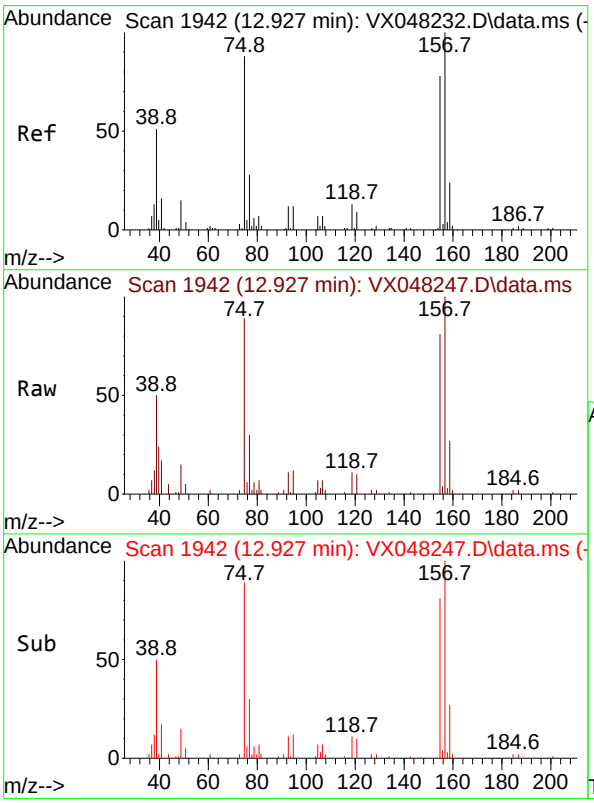

#91
1,2-Dichlorobenzene
Concen: 18.286 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:146 Resp: 54922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 21.9 | 65.5 |
| 148 | 64.1 | 31.9 | 95.5 |

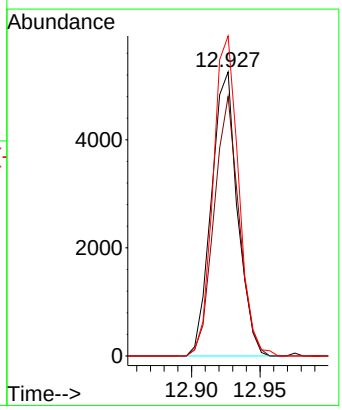


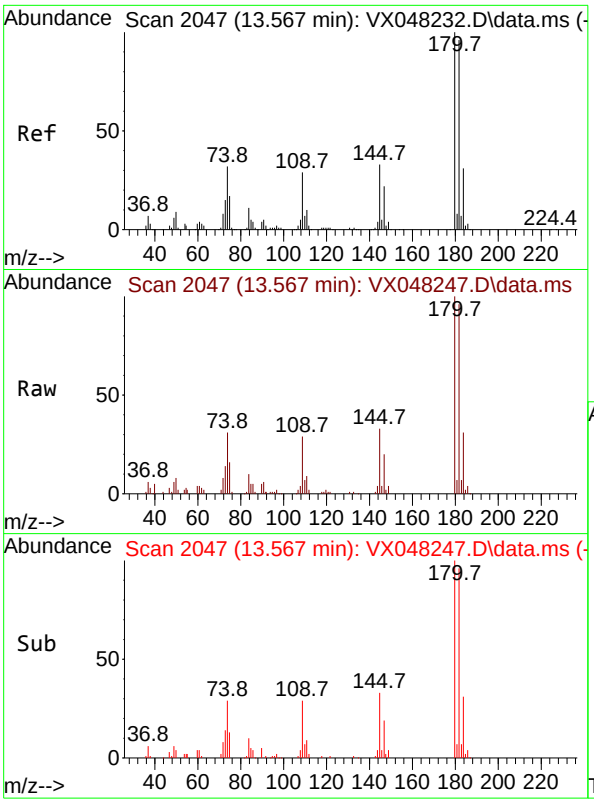




#92
1,2-Dibromo-3-Chloropropane
Concen: 18.508 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion: 75 Resp: 6943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 87.2 | 42.8 | 128.4 |
| 157 | 110.1 | 54.2 | 162.6 |



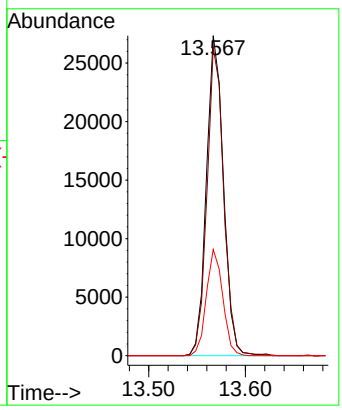


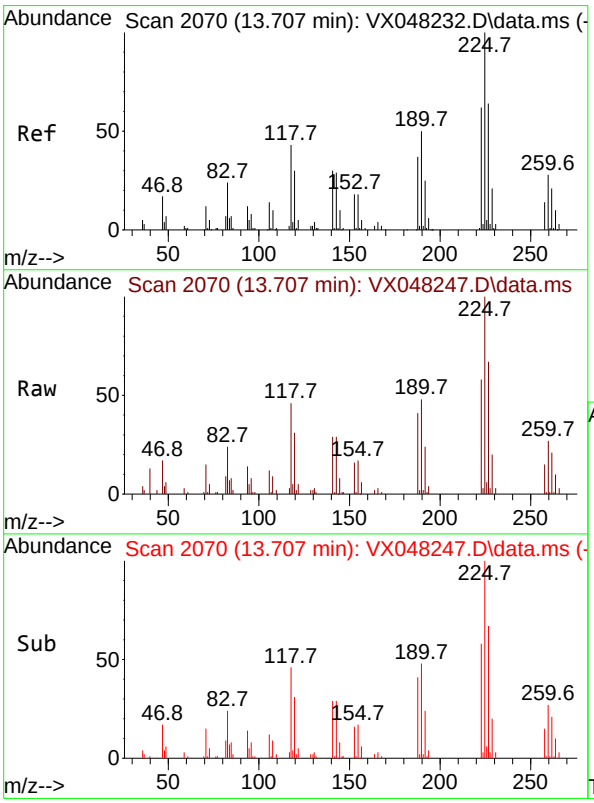

#93
1,2,4-Trichlorobenzene
Concen: 16.510 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:180 Resp: 33533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 47.3 | 142.0 |
| 145 | 32.0 | 16.3 | 48.9 |

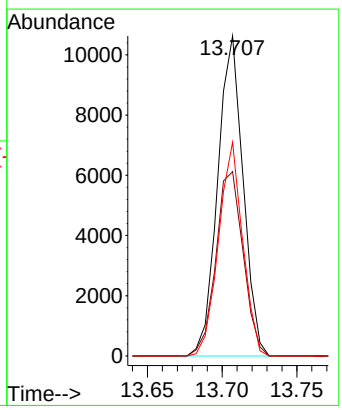


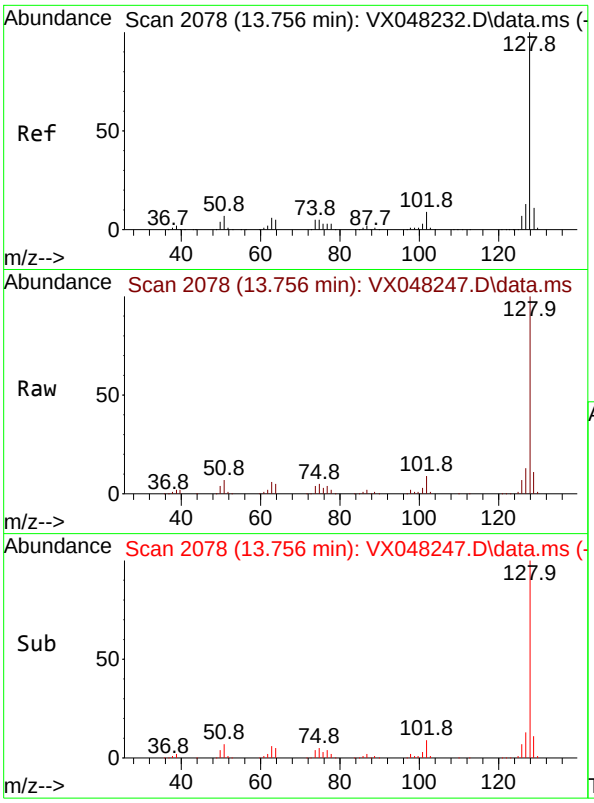




#94
Hexachlorobutadiene
Concen: 16.531 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:225 Resp: 12548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.9 | 32.6 | 97.7 |
| 227 | 63.3 | 32.5 | 97.4 |



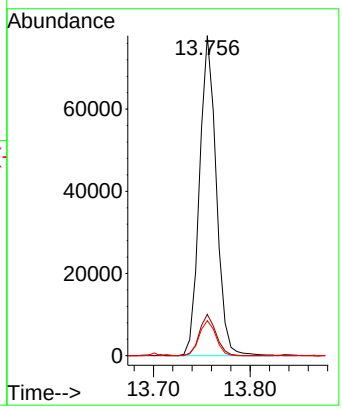


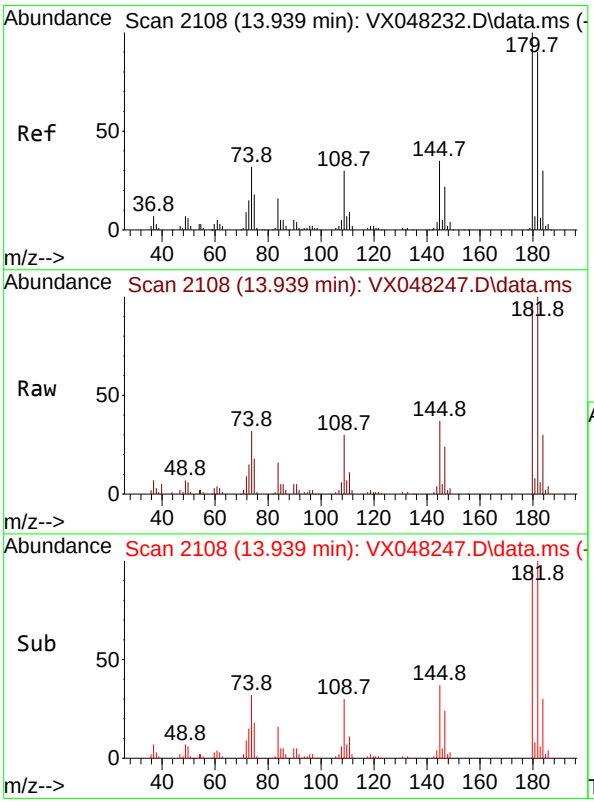

#95
Naphthalene
Concen: 17.469 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1020WBSD01

Tgt Ion:128 Resp: 94002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.2 | 15.4 |
| 129 | 10.9 | 8.6 | 12.8 |

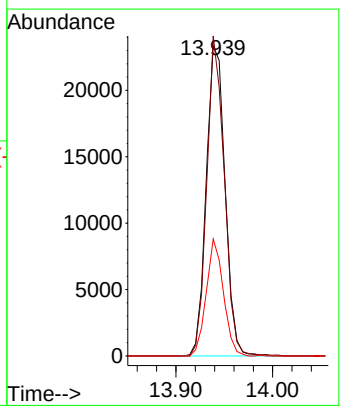



#96
1,2,3-Trichlorobenzene
Concen: 16.990 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX048247.D
Acq: 20 Oct 2025 18:22

Tgt Ion:180 Resp: 31666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 46.6 | 139.7 |
| 145 | 34.4 | 16.9 | 50.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 139607 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 238004 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 222585 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 111726 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 91100 | 46.542 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 93.080% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 74151 | 45.636 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 91.280% | | | |
| 50) Toluene-d8 | 8.634 | 98 | 254653 | 44.713 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 89.420%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 100937 | 46.587 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 93.180% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 54463 | 37.949 | ug/l | 97 |
| 3) Chloromethane | 1.300 | 50 | 53315 | 39.799 | ug/l | 96 |
| 4) Vinyl Chloride | 1.380 | 62 | 51029 | 41.136 | ug/l | 99 |
| 5) Bromomethane | 1.611 | 94 | 35864 | 42.601 | ug/l | 94 |
| 6) Chloroethane | 1.691 | 64 | 31620 | 43.378 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 97500 | 40.982 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 30102 | 44.968 | ug/l | 88 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 60929 | 40.443 | ug/l | 95 |
| 10) Methyl Iodide | 2.459 | 142 | 84168 | 44.441 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.946 | 59 | 37972 | 195.385 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 61159 | 41.727 | ug/l | 94 |
| 13) Acrolein | 2.239 | 56 | 42514 | 214.491 | ug/l | 98 |
| 14) Allyl chloride | 2.666 | 41 | 103340 | 42.467 | ug/l | 97 |
| 15) Acrylonitrile | 3.056 | 53 | 156803 | 223.753 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 117599 | 175.130 | ug/l | 96 |
| 17) Carbon Disulfide | 2.514 | 76 | 177056 | 38.329 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 63263 | 45.112 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 222981 | 44.595 | ug/l | 100 |
| 20) Methylene Chloride | 2.788 | 84 | 73170 | 44.720 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 69597 | 43.228 | ug/l | 96 |
| 22) Diisopropyl ether | 3.751 | 45 | 223032 | 45.952 | ug/l | 93 |
| 23) Vinyl Acetate | 3.715 | 43 | 896740 | 231.296 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 127890 | 43.578 | ug/l | 99 |
| 25) 2-Butanone | 4.544 | 43 | 179090 | 210.709 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 103563 | 39.096 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 82973 | 44.159 | ug/l | 97 |
| 28) Bromochloromethane | 4.891 | 49 | 62244 | 51.151 | ug/l | 90 |
| 29) Tetrahydrofuran | 4.989 | 42 | 114202 | 224.351 | ug/l | 95 |
| 30) Chloroform | 5.080 | 83 | 135447 | 43.198 | ug/l | 97 |
| 31) Cyclohexane | 5.464 | 56 | 104755 | 43.114 | ug/l | 91 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 123078 | 42.592 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 91151 | 39.469 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 76900 | 40.173 | ug/l | 96 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 107972 | 37.895 | ug/l | 95 |
| 39) Methylcyclohexane | 7.366 | 83 | 107188 | 39.300 | ug/l | 92 |
| 40) Benzene | 6.025 | 78 | 280412 | 41.821 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.903 | 41 | 42951 | 42.726 ug/l | 96 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 102580 | 41.460 ug/l | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 133321 | 42.401 ug/l # | 94 |
| 44) Trichloroethene | 7.110 | 130 | 72723 | 41.075 ug/l | 89 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 68867 | 43.200 ug/l | 98 |
| 46) Dibromomethane | 7.568 | 93 | 52507 | 42.277 ug/l | 94 |
| 47) Bromodichloromethane | 7.805 | 83 | 111343 | 41.521 ug/l | 99 |
| 48) Methyl methacrylate | 7.677 | 41 | 67583 | 42.595 ug/l | 93 |
| 49) 1,4-Dioxane | 7.647 | 88 | 16924 | 807.374 ug/l | 93 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 387550 | 213.772 ug/l | 95 |
| 52) Toluene | 8.702 | 92 | 176360 | 41.403 ug/l | 100 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 109424 | 42.344 ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 117004 | 41.966 ug/l | 94 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 67214 | 42.431 ug/l | 99 |
| 56) Ethyl methacrylate | 9.104 | 69 | 103017 | 44.462 ug/l | 93 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 115414 | 42.655 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 266044 | 213.796 ug/l | 96 |
| 59) 2-Hexanone | 9.415 | 43 | 266829 | 211.078 ug/l | 95 |
| 60) Dibromochloromethane | 9.506 | 129 | 87021 | 40.872 ug/l | 100 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 71534 | 42.360 ug/l | 98 |
| 64) Tetrachloroethene | 9.256 | 164 | 62251 | 37.463 ug/l | 99 |
| 65) Chlorobenzene | 10.061 | 112 | 199218 | 39.787 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 72921 | 39.651 ug/l | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 340670 | 39.962 ug/l | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 258895 | 81.737 ug/l | 99 |
| 69) o-Xylene | 10.622 | 106 | 124210 | 40.619 ug/l | 99 |
| 70) Styrene | 10.640 | 104 | 217296 | 41.732 ug/l | 99 |
| 71) Bromoform | 10.780 | 173 | 57595 | 39.184 ug/l # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 320429 | 39.266 ug/l | 99 |
| 74) N-amyl acetate | 10.823 | 43 | 121526 | 41.983 ug/l | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 89867 | 40.326 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 100169 | 55.286 ug/l | 78 |
| 77) Bromobenzene | 11.183 | 156 | 82137 | 40.142 ug/l | 95 |
| 78) n-propylbenzene | 11.286 | 91 | 375729 | 39.766 ug/l | 97 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 227832 | 39.772 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 267685 | 39.638 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 28849 | 38.739 ug/l | 98 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 269666 | 39.656 ug/l | 97 |
| 83) tert-Butylbenzene | 11.695 | 119 | 274302 | 39.532 ug/l | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 270928 | 40.199 ug/l | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 321937 | 38.565 ug/l | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 275642 | 38.201 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 149462 | 38.747 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 150187 | 37.584 ug/l | 99 |
| 89) n-Butylbenzene | 12.311 | 91 | 243576 | 37.088 ug/l | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 51888 | 36.415 ug/l | 94 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 140047 | 38.670 ug/l | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 18165 | 40.157 ug/l | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.566 | 180 | 89376 | 36.492 ug/l | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 32393 | 35.315 ug/l | 99 |
| 95) Naphthalene | 13.755 | 128 | 261541 | 40.307 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 84101 | 37.421 ug/l | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

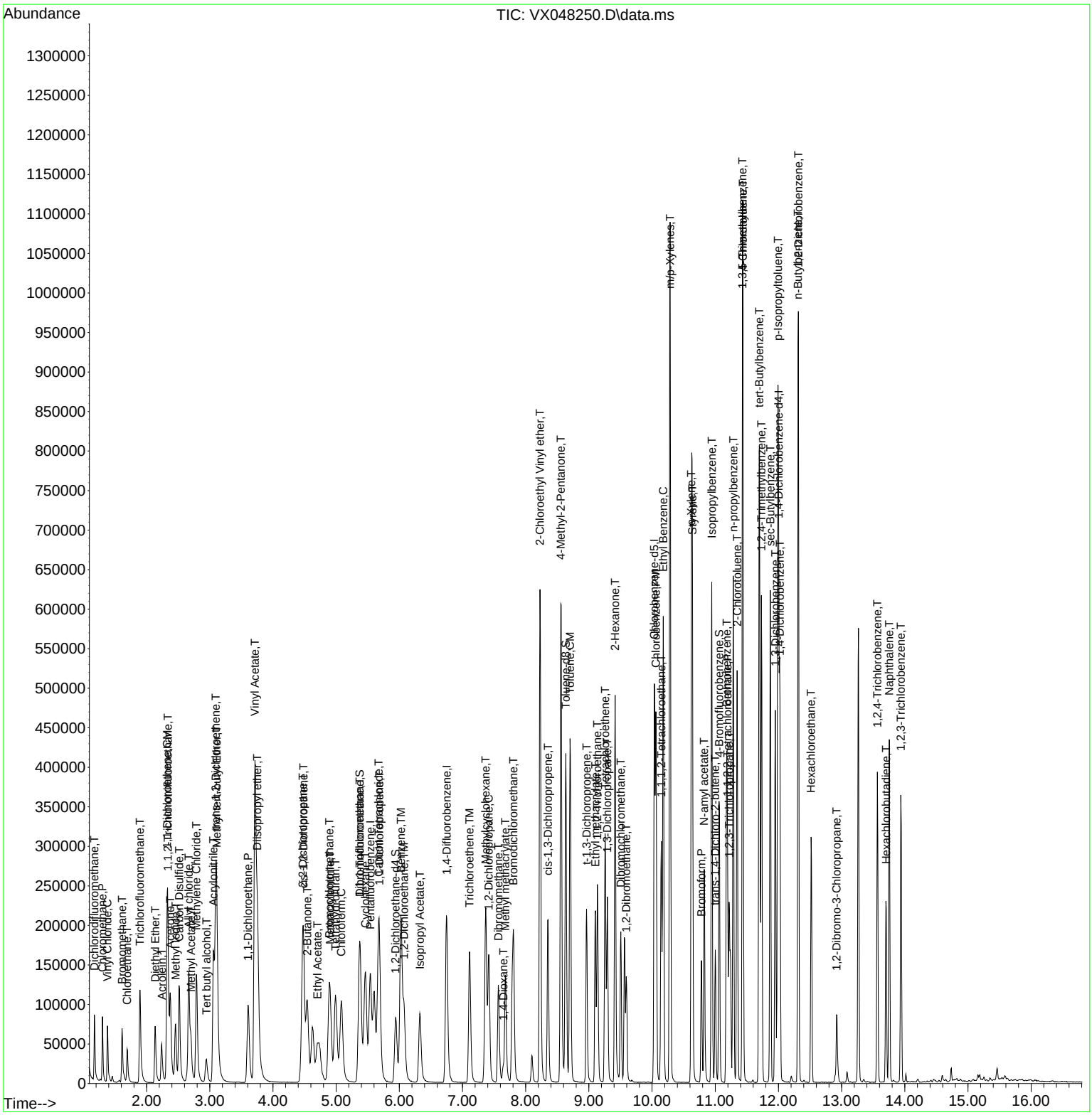
(#) = qualifier out of range (m) = manual integration (+) = signals summed

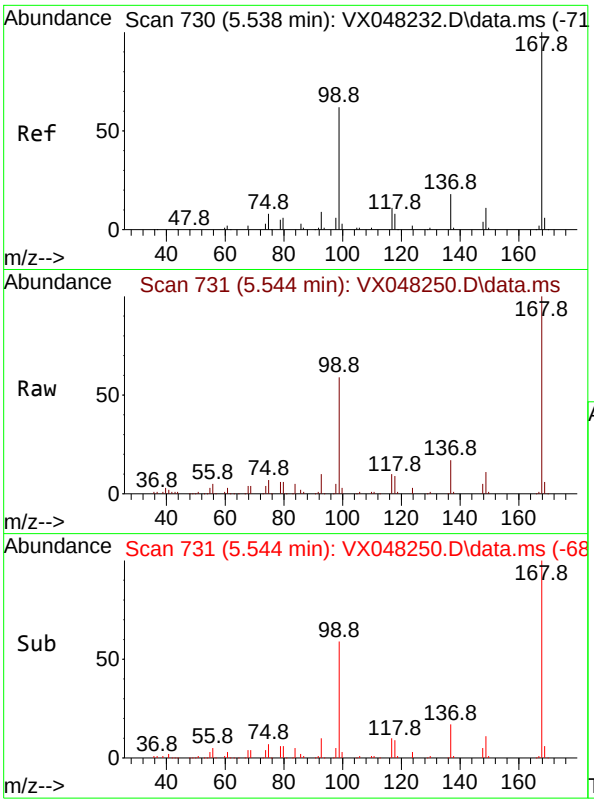
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048250.D
Acq On : 20 Oct 2025 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Oct 21 06:16:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



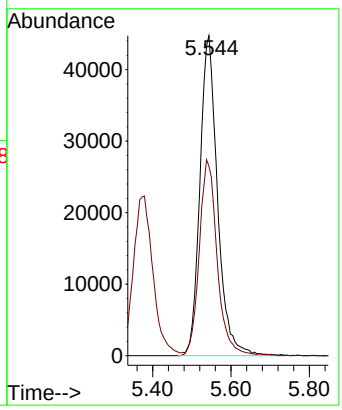


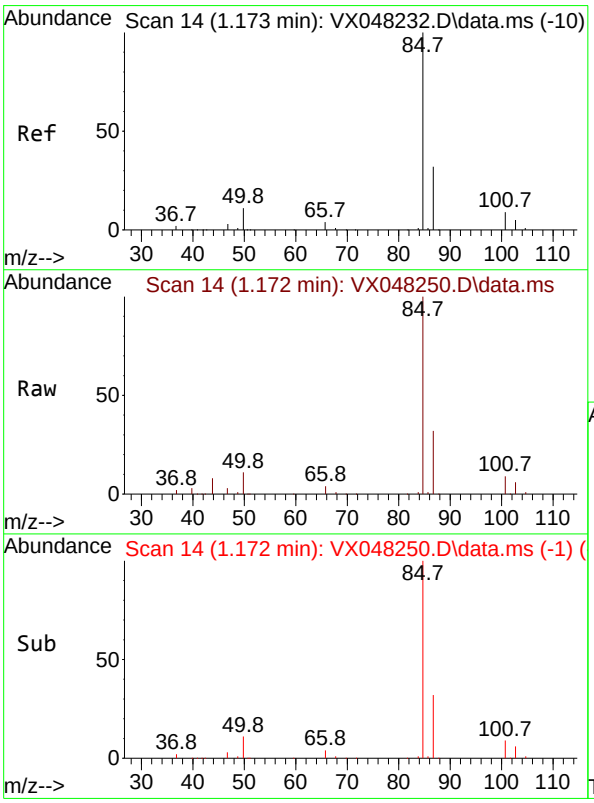

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 139607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.3 | 46.4 | 69.6 |

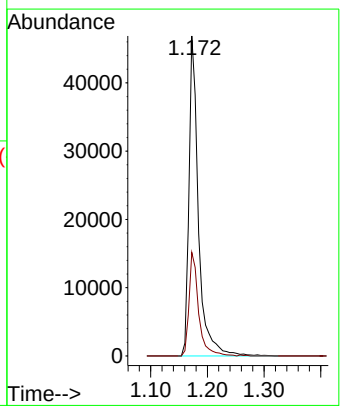


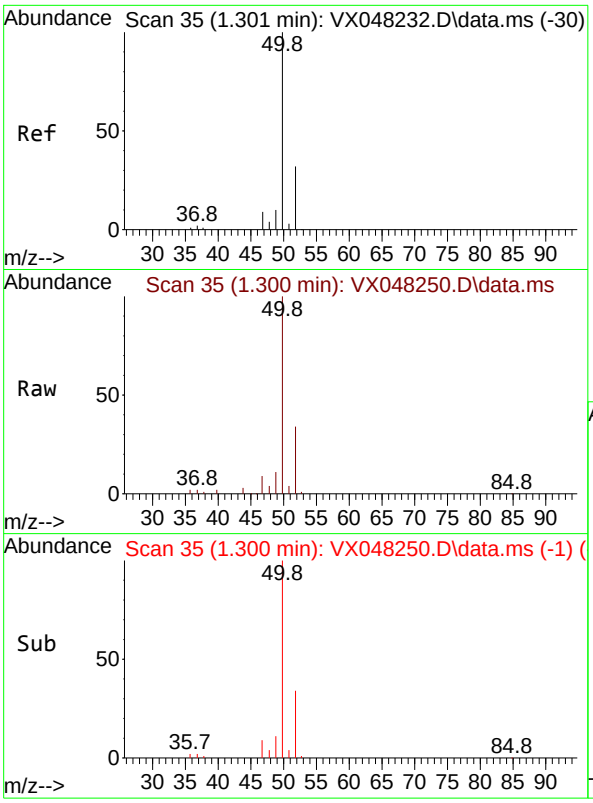




#2
Dichlorodifluoromethane
Concen: 37.949 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 85 Resp: 54463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 15.3 | 45.9 |



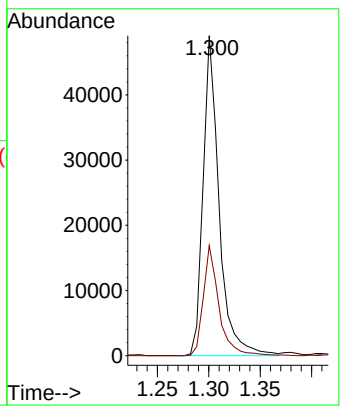


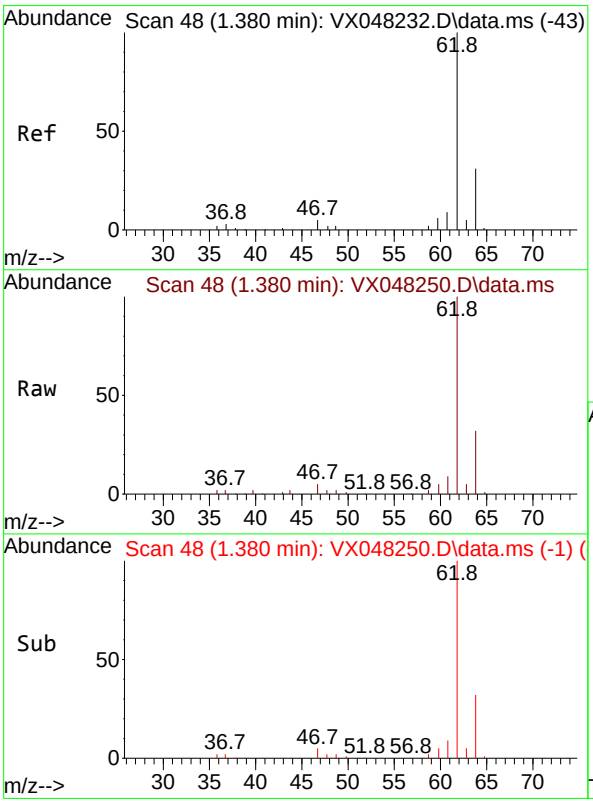

#3
Chloromethane
Concen: 39.799 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 53315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.4 | 25.9 | 38.9 |

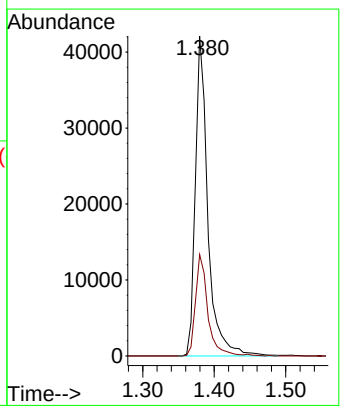


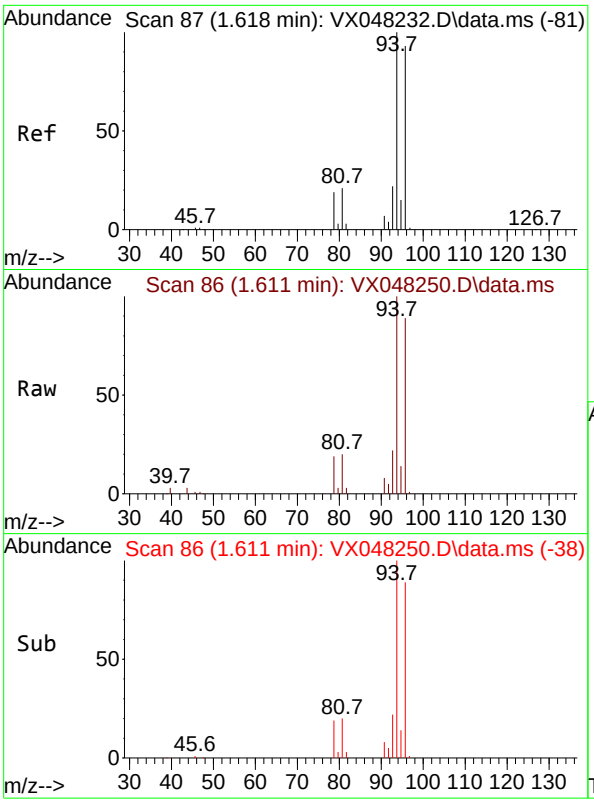




#4
Vinyl Chloride
Concen: 41.136 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 62 Resp: 51029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 25.1 | 37.7 |



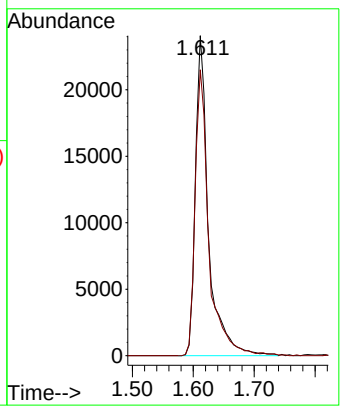


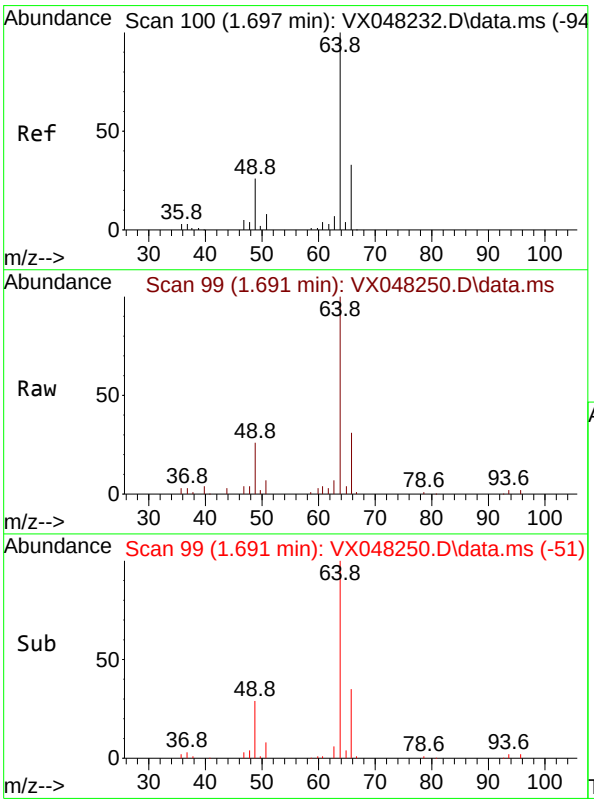

#5
Bromomethane
Concen: 42.601 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 35864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 89.3 | 76.0 | 114.0 |

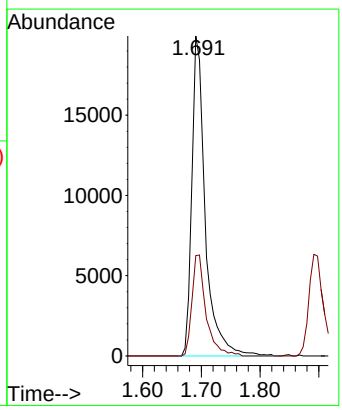


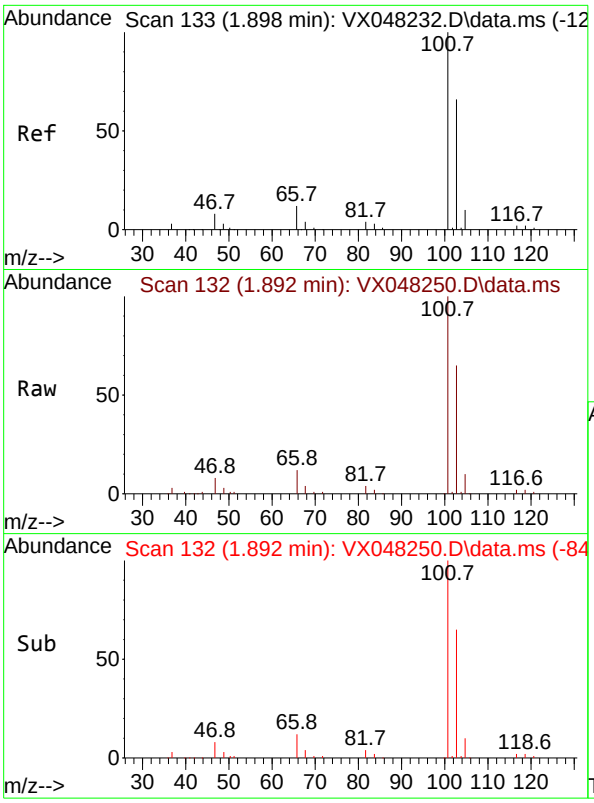




#6
Chloroethane
Concen: 43.378 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 64 Resp: 31620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.3 | 23.9 | 35.9 |



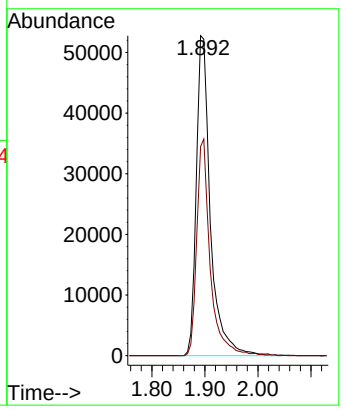


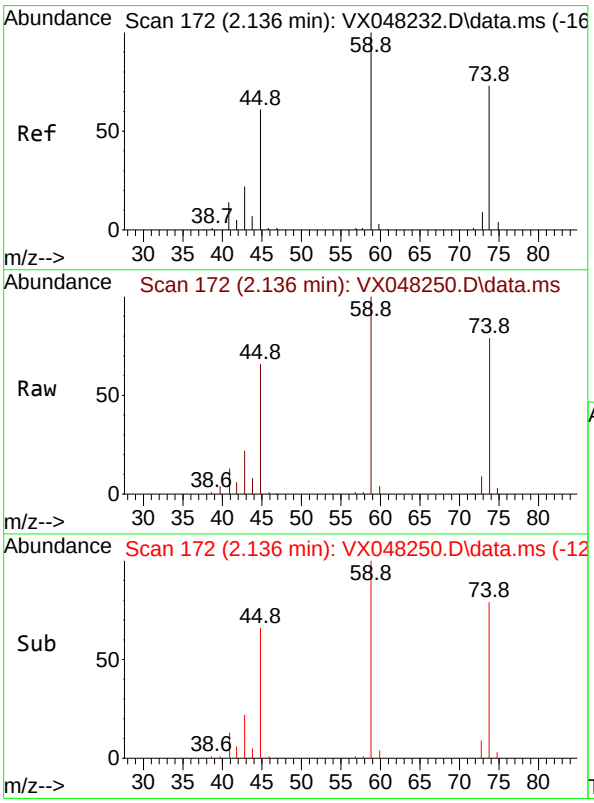

#7
Trichlorofluoromethane
Concen: 40.982 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 97500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.3 | 51.6 | 77.4 |

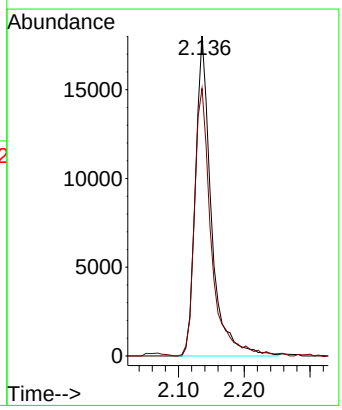


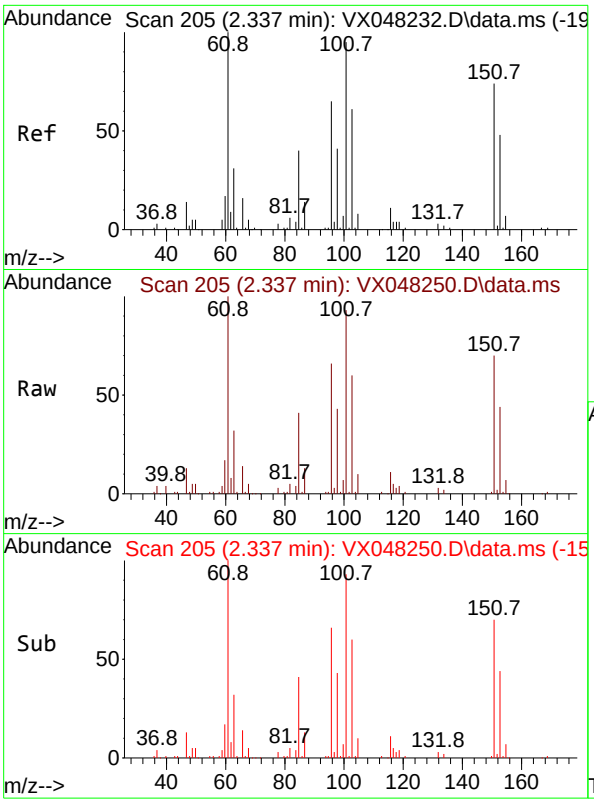




#8
Diethyl Ether
Concen: 44.968 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 74 Resp: 30102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 88.4 | 50.0 | 149.8 |



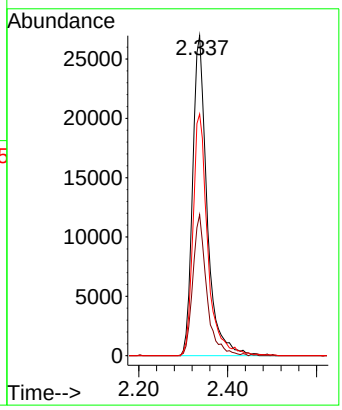


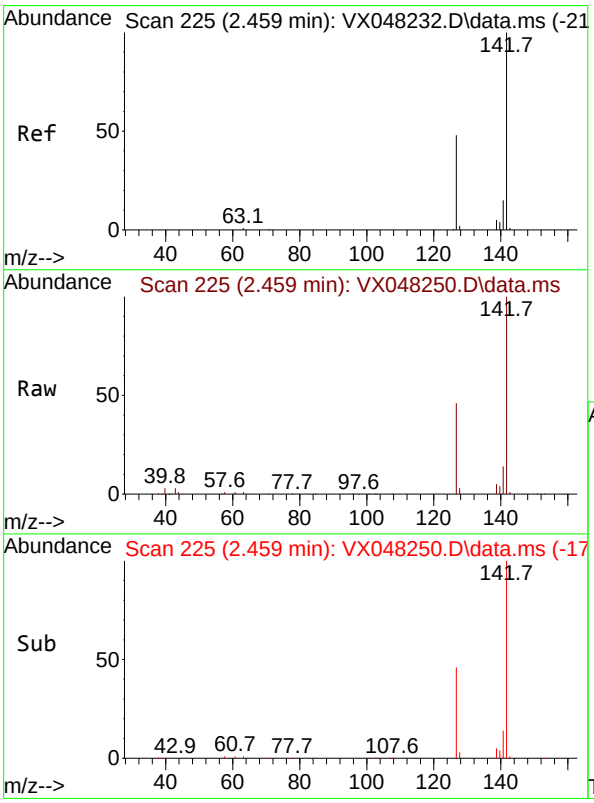

#9
1,1,2-Trichlorotrifluoroethane
Concen: 40.443 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 60929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.4 | 35.6 | 53.4 |
| 151 | 77.2 | 58.0 | 87.0 |

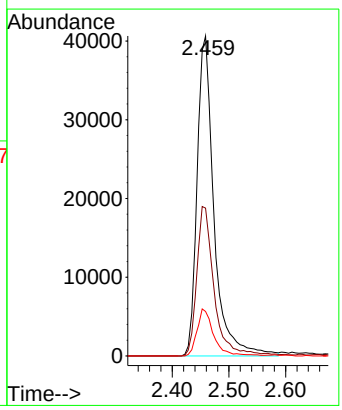


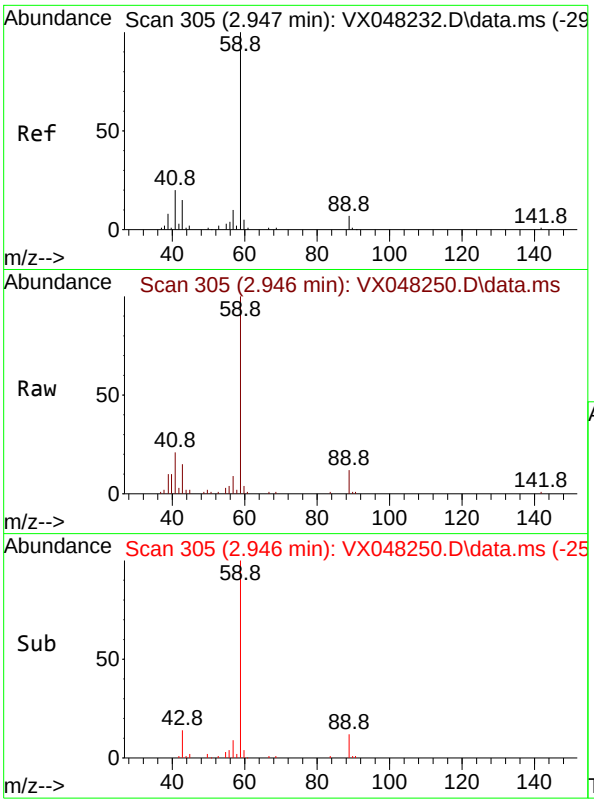




#10
Methyl Iodide
Concen: 44.441 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:142 Resp: 84168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.3 | 38.5 | 57.7 |
| 141 | 14.5 | 11.6 | 17.4 |



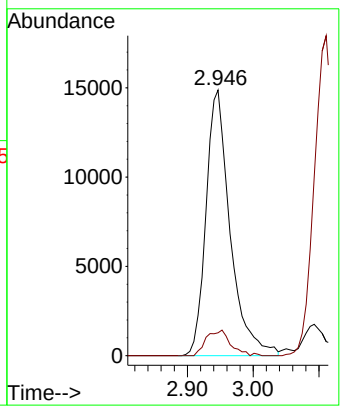


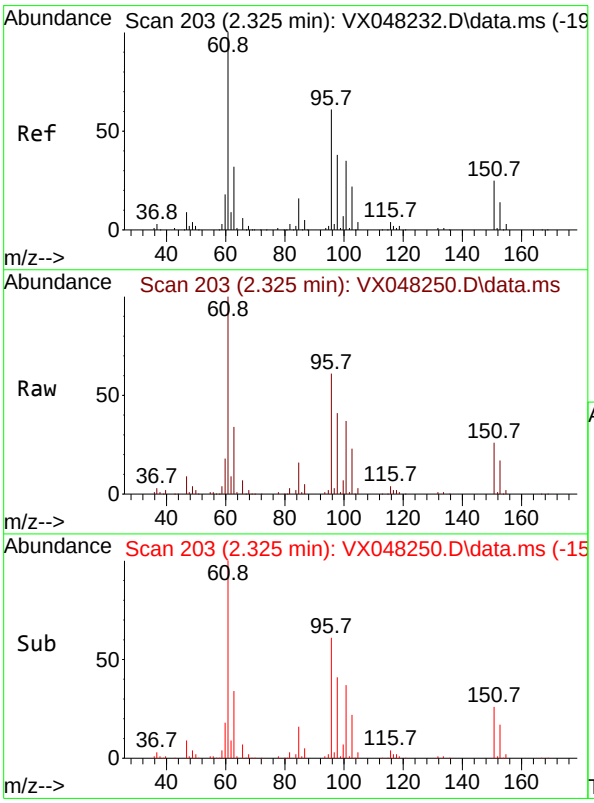

#11
Tert butyl alcohol
Concen: 195.385 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 37972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.7 | 8.2 | 12.4 |

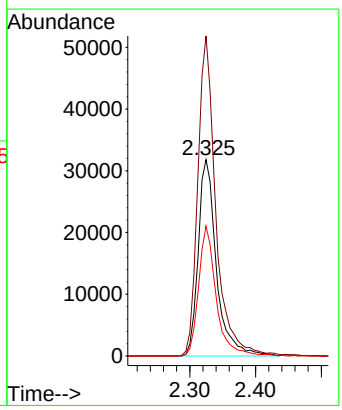


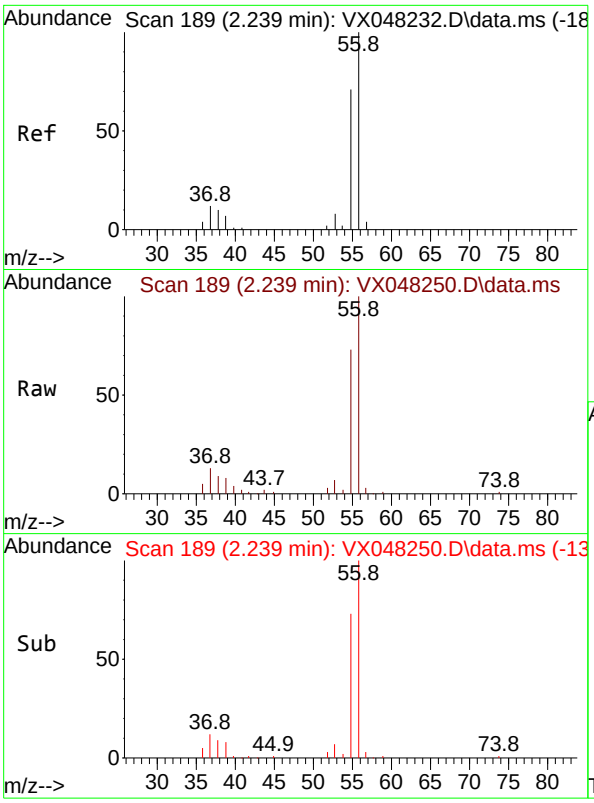




#12
1,1-Dichloroethene
Concen: 41.727 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 96 Resp: 61159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.0 | 139.0 | 208.6 |
| 98 | 66.1 | 52.4 | 78.6 |



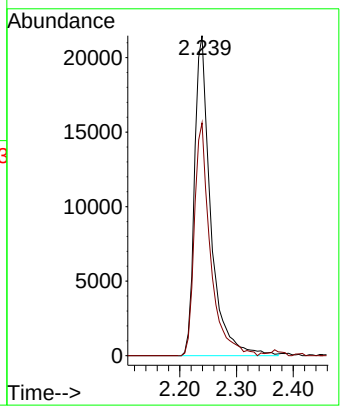


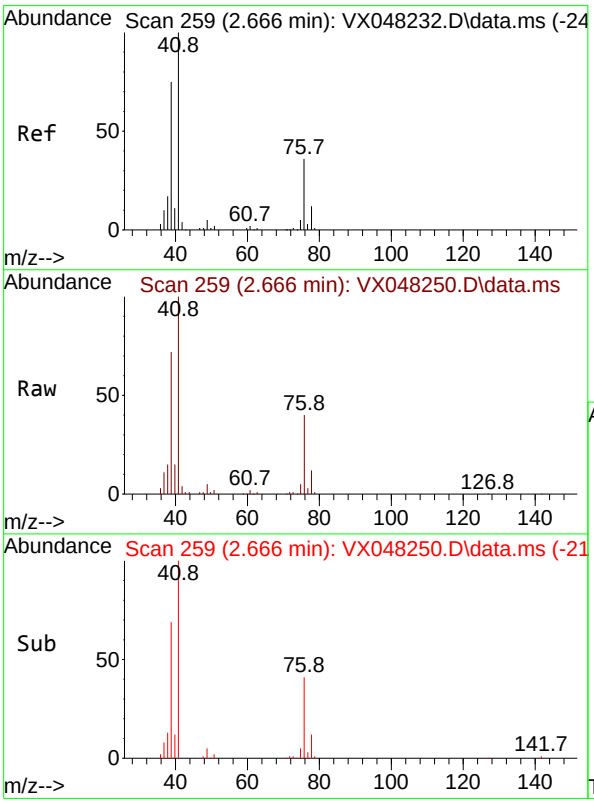

#13
Acrolein
Concen: 214.491 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 42514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.9 | 56.1 | 84.1 |

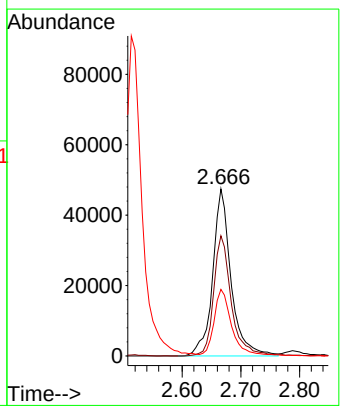


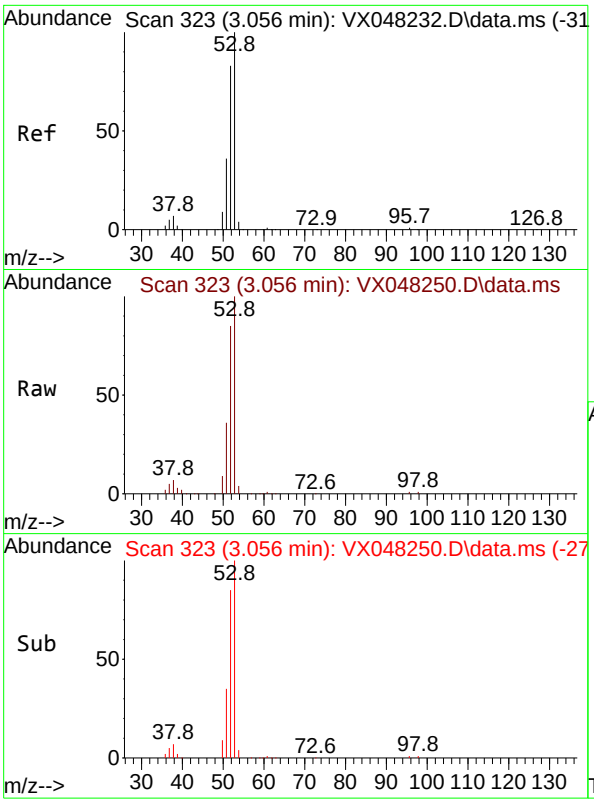




#14
Allyl chloride
Concen: 42.467 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 41 Resp: 103340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 69.3 | 56.0 | 84.0 |
| 76 | 38.5 | 27.5 | 41.3 |



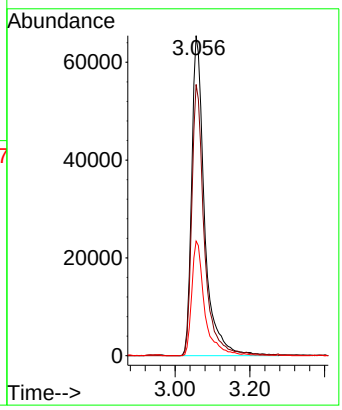


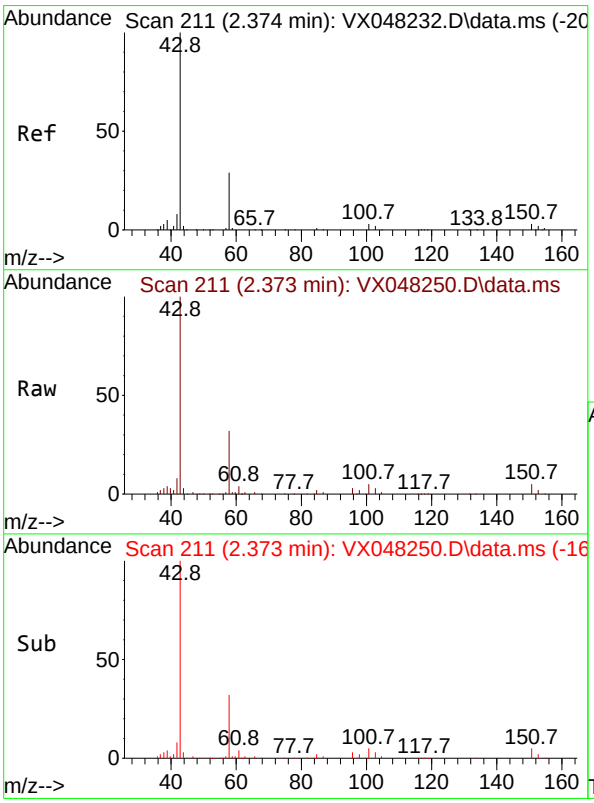

#15
Acrylonitrile
Concen: 223.753 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 156803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.5 | 66.1 | 99.1 |
| 51 | 35.7 | 29.0 | 43.4 |

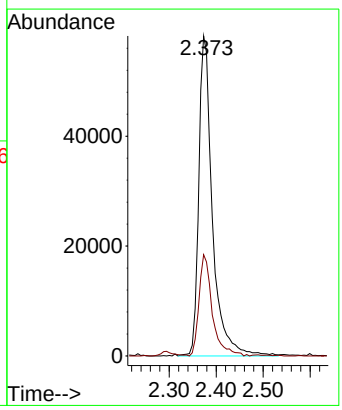


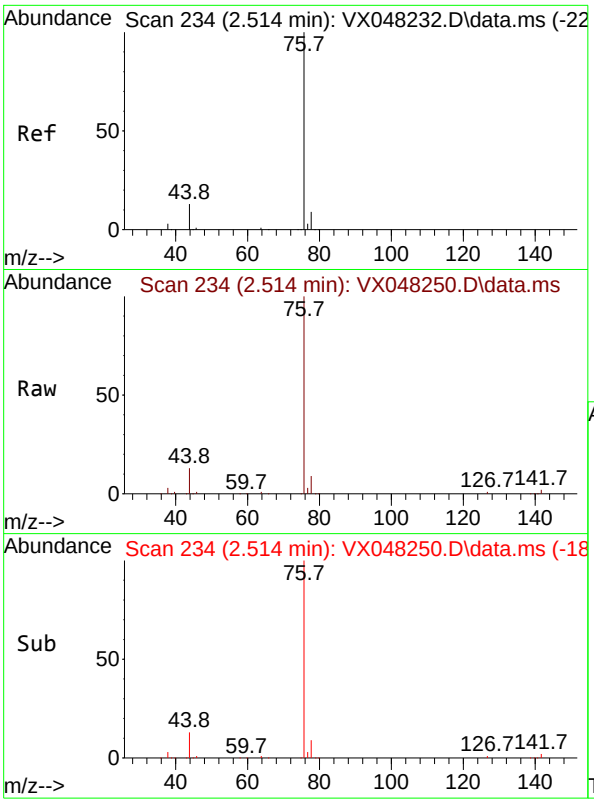




#16
Acetone
Concen: 175.130 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 43 Resp: 117599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.5 | 23.4 | 35.2 |



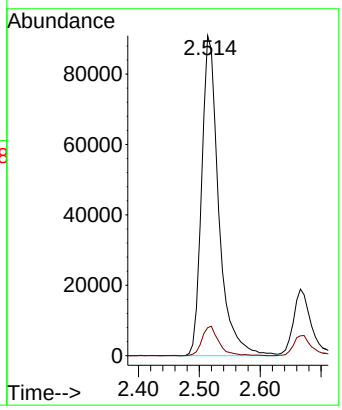


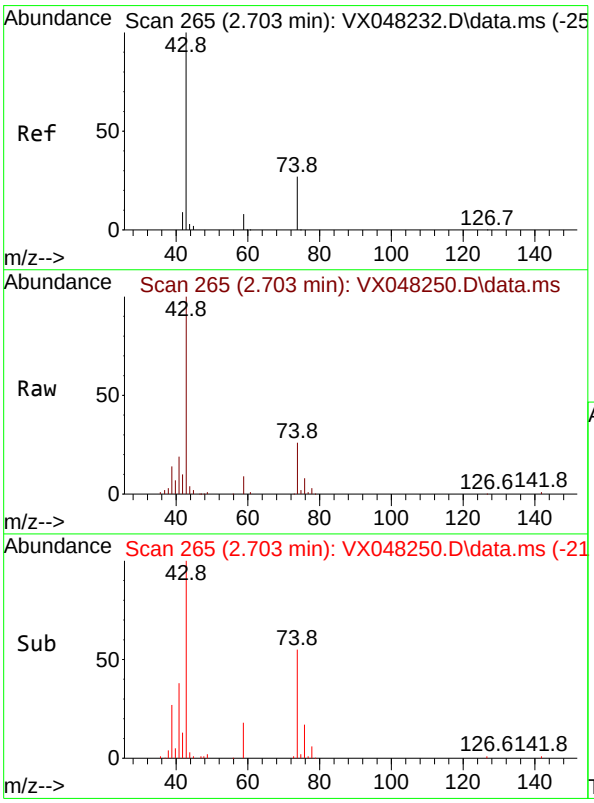

#17
Carbon Disulfide
Concen: 38.329 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 177056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.1 | 10.7 |

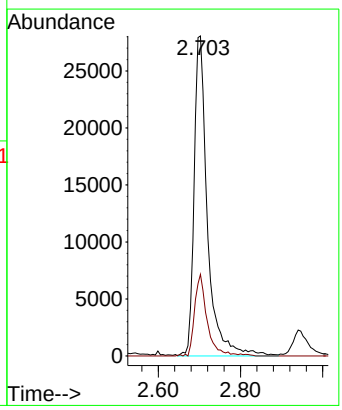


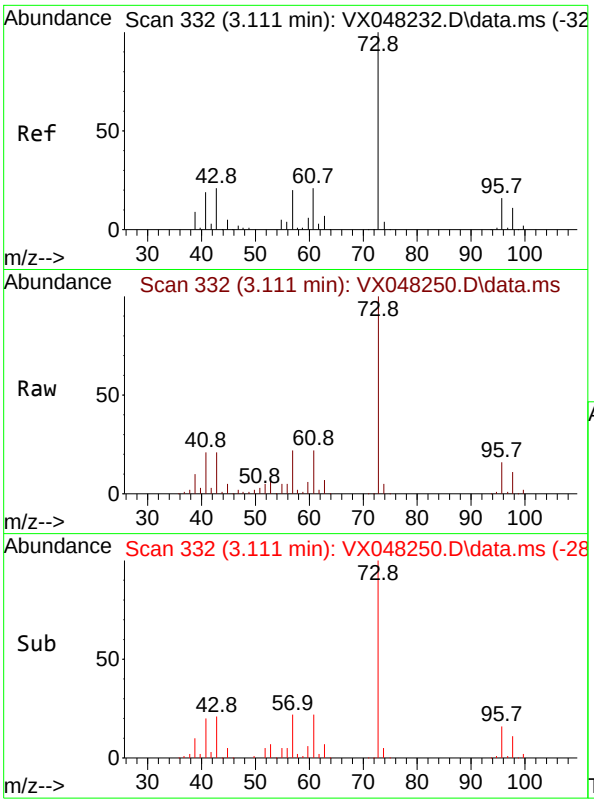




#18
Methyl Acetate
Concen: 45.112 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 43 Resp: 63263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.6 | 17.5 | 26.3 |



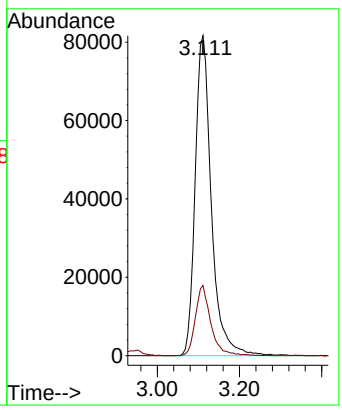


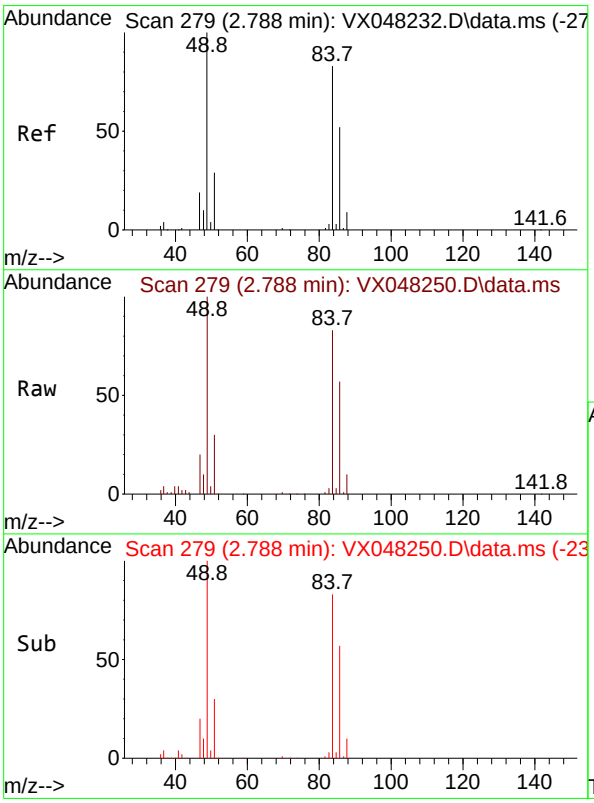

#19
Methyl tert-butyl Ether
Concen: 44.595 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 222981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.9 | 17.7 | 26.5 |

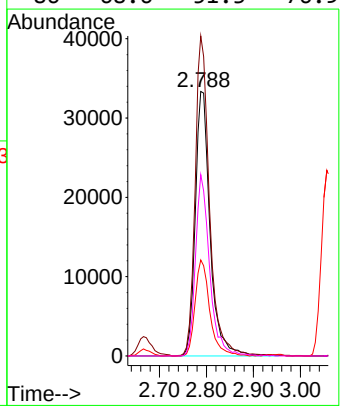


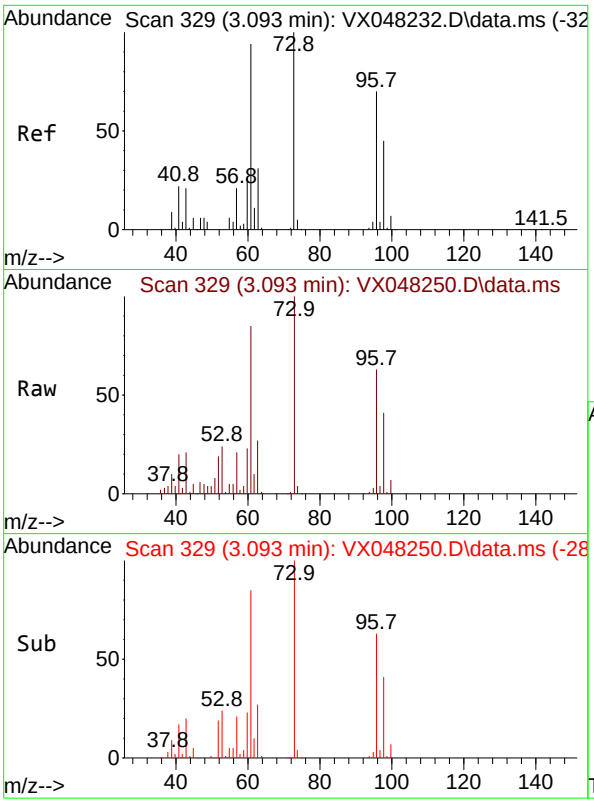




#20
Methylene Chloride
Concen: 44.720 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 84 Resp: 73170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.8 | 104.1 | 156.1 |
| 51 | 36.3 | 31.3 | 46.9 |
| 86 | 68.6 | 51.3 | 76.9 |



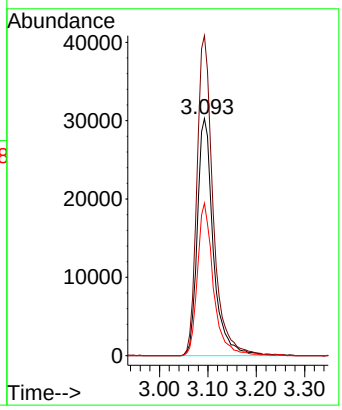


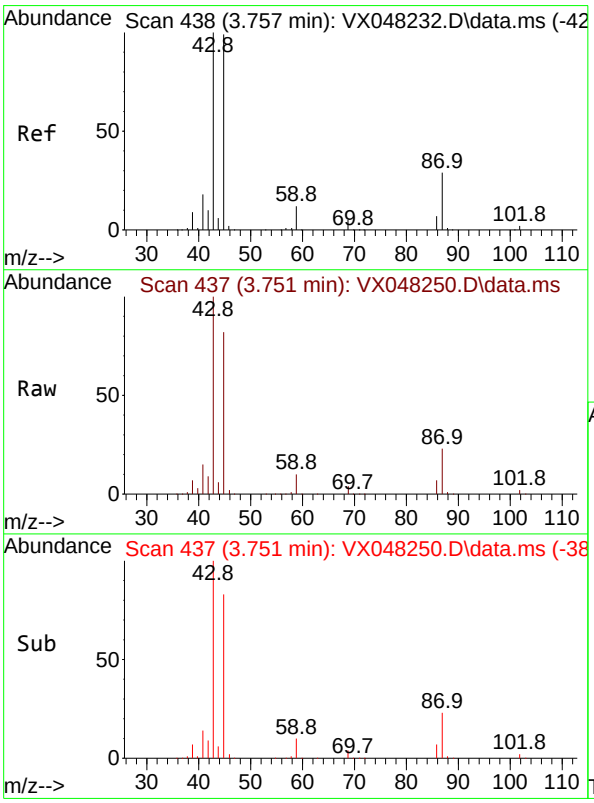

#21
trans-1,2-Dichloroethene
Concen: 43.228 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 69597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.9 | 111.9 | 167.9 |
| 98 | 66.2 | 51.2 | 76.8 |

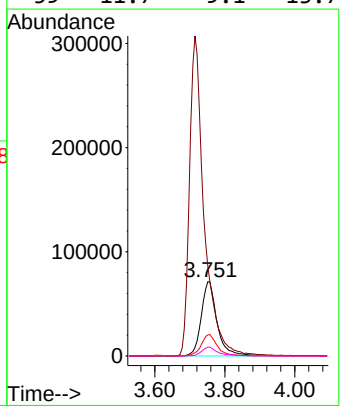


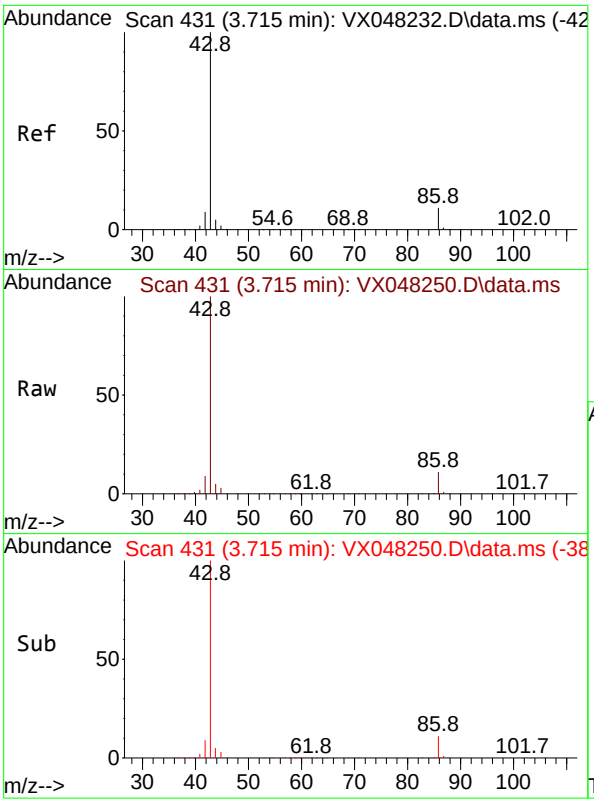




#22
Diisopropyl ether
Concen: 45.952 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 45 Resp: 223032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 120.6 | 89.8 | 134.8 |
| 87 | 28.4 | 20.6 | 31.0 |
| 59 | 11.7 | 9.1 | 13.7 |



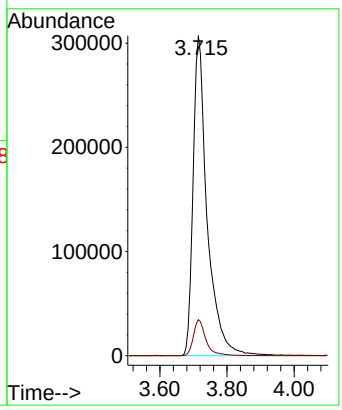


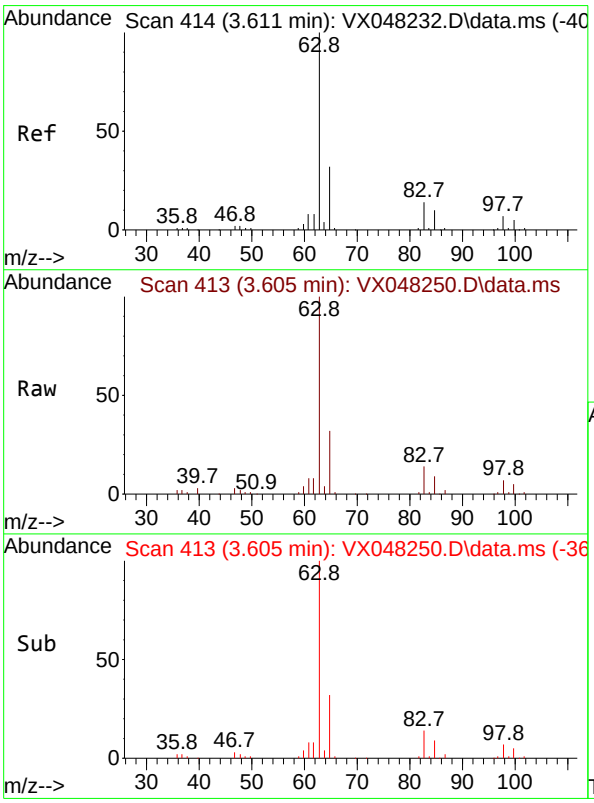

#23
Vinyl Acetate
Concen: 231.296 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 896740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.3 | 7.9 | 11.9 |

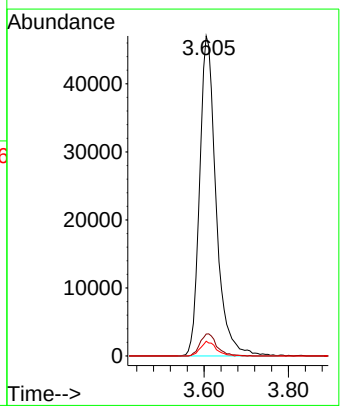


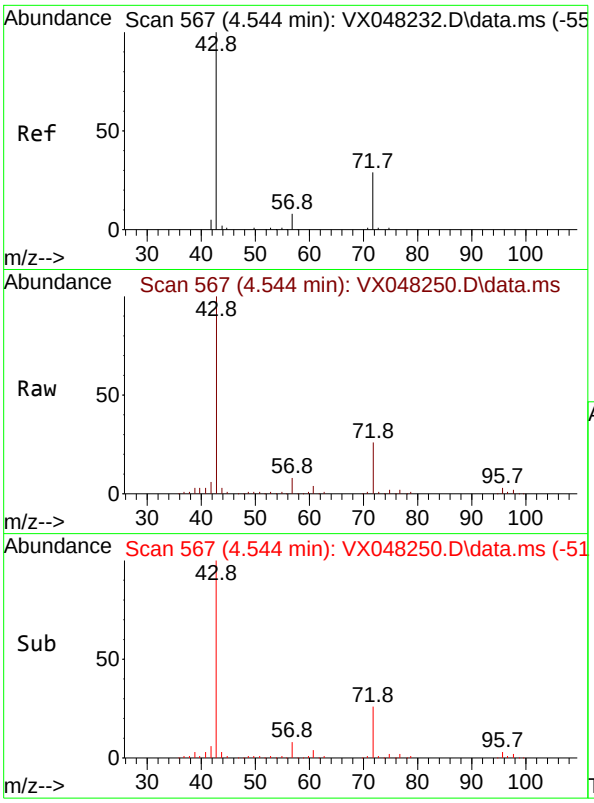




#24
1,1-Dichloroethane
Concen: 43.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 63 Resp: 127890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.5 | 10.6 |
| 100 | 4.6 | 2.1 | 6.3 |



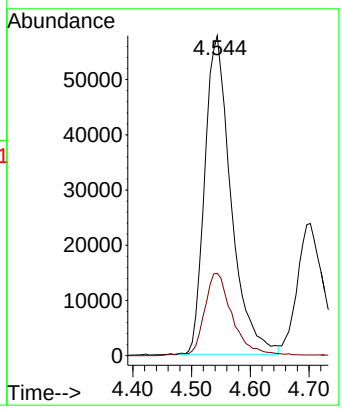


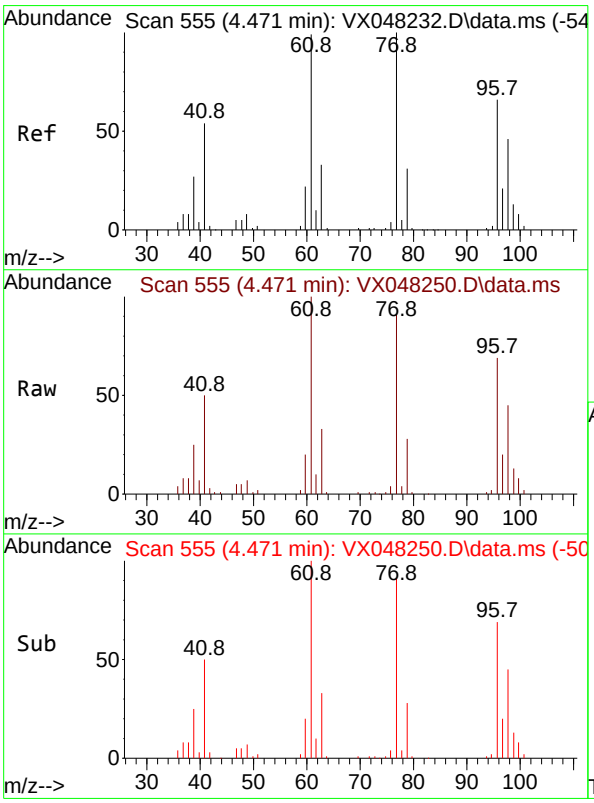

#25
2-Butanone
Concen: 210.709 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 179090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.3 | 19.9 | 29.9 |

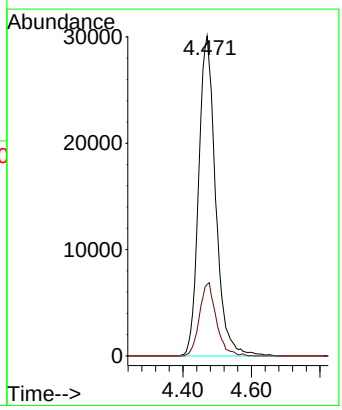


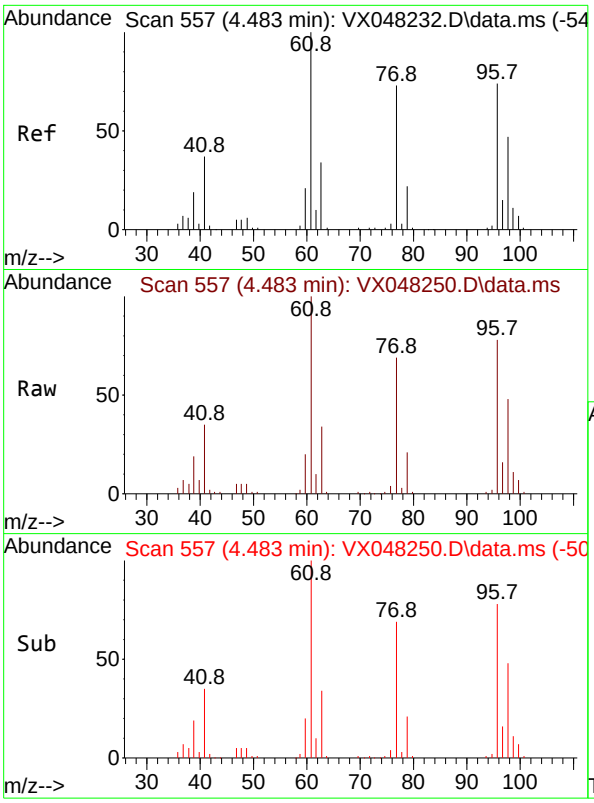




#26
2,2-Dichloropropane
Concen: 39.096 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 77 Resp: 103563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.6 | 11.1 | 33.3 |



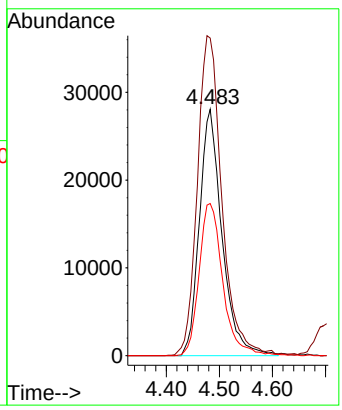


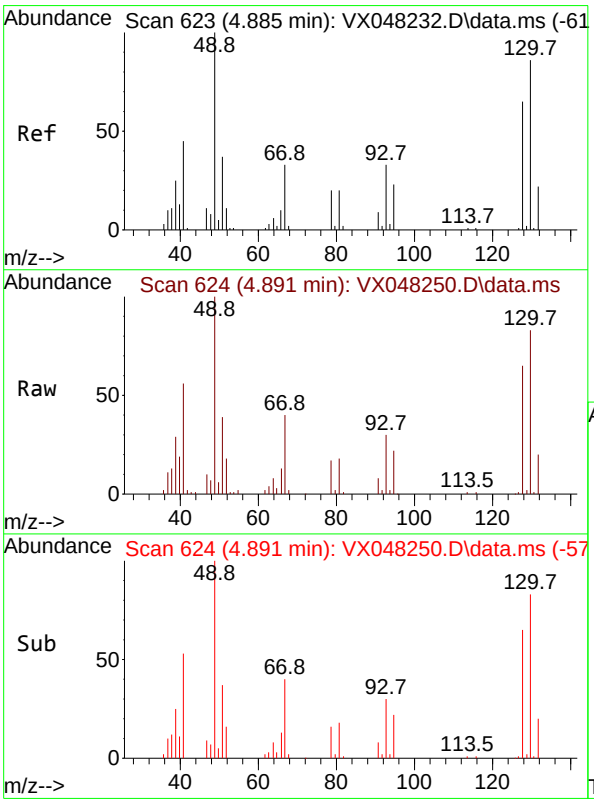

#27
cis-1,2-Dichloroethene
Concen: 44.159 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 82973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.6 | 0.0 | 294.2 |
| 98 | 65.0 | 0.0 | 128.4 |

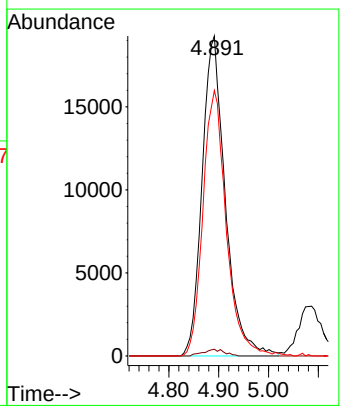


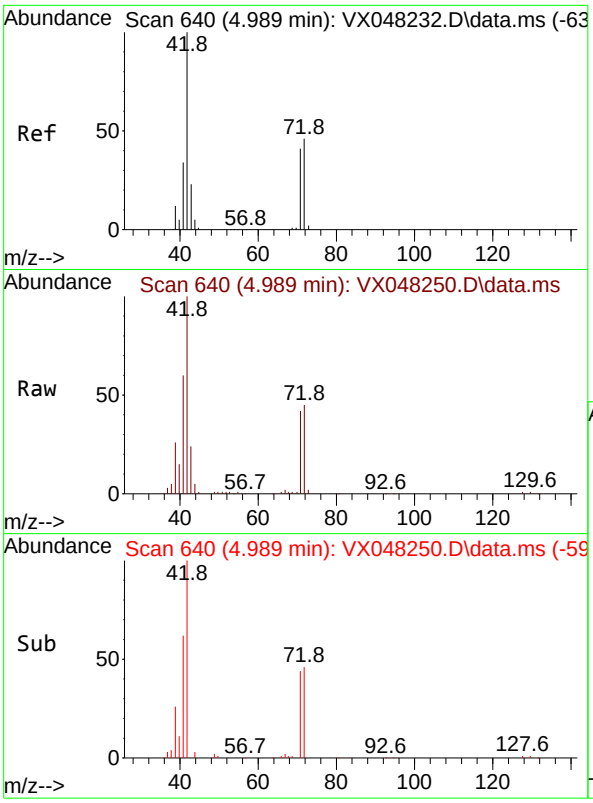




#28
Bromochloromethane
Concen: 51.151 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 49 Resp: 62244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 4.4 |
| 130 | 83.0 | 59.3 | 88.9 |



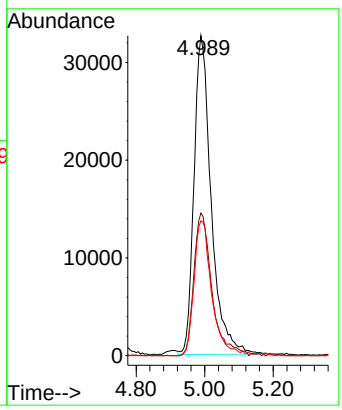


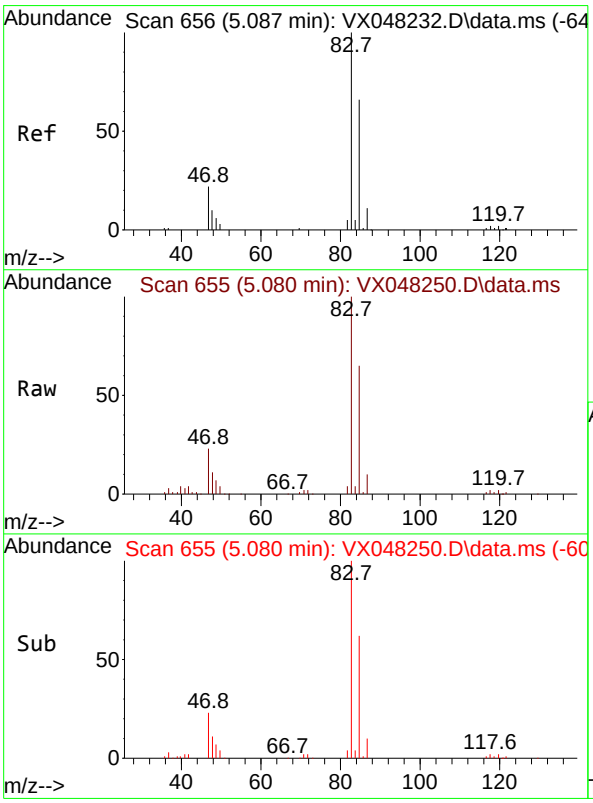

#29
Tetrahydrofuran
Concen: 224.351 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 114202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.7 | 35.3 | 52.9 |
| 71 | 43.5 | 32.2 | 48.4 |

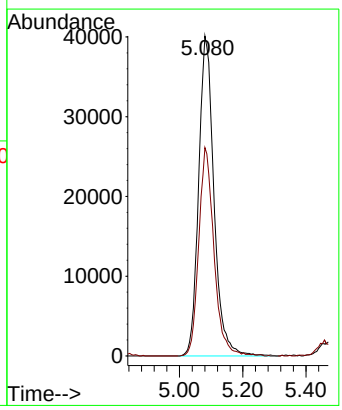


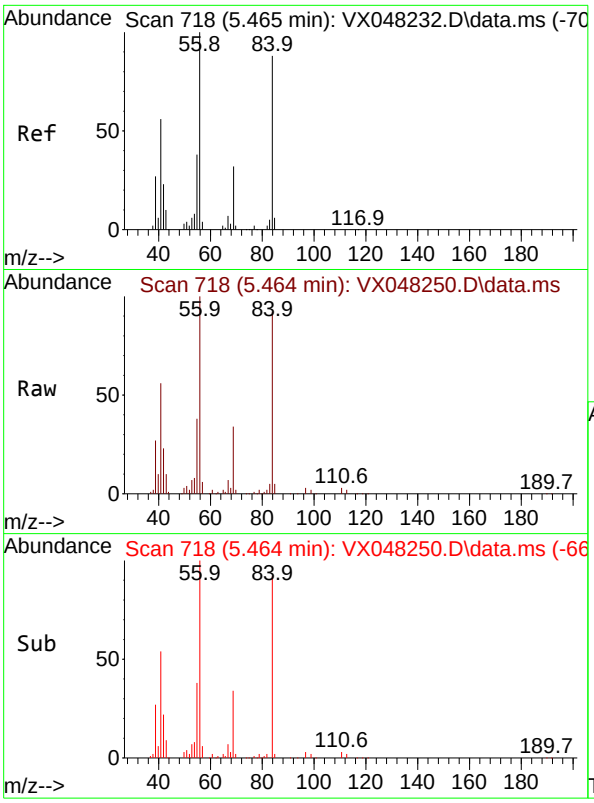




#30
Chloroform
Concen: 43.198 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 83 Resp: 135447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 50.1 | 75.1 |



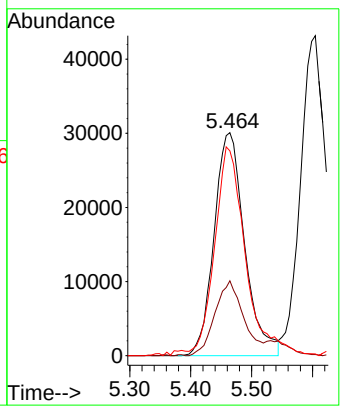


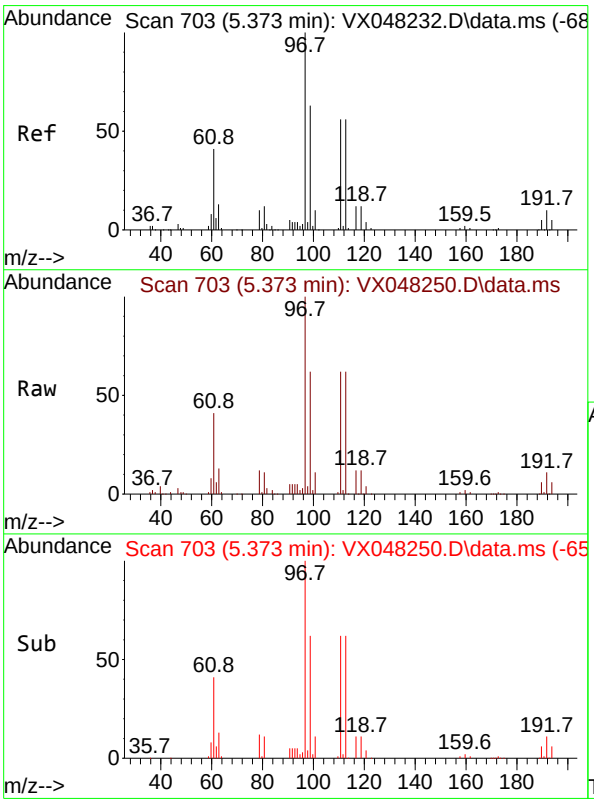

#31
Cyclohexane
Concen: 43.114 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 104755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.1 | 23.0 | 34.6 |
| 84 | 89.5 | 64.6 | 97.0 |

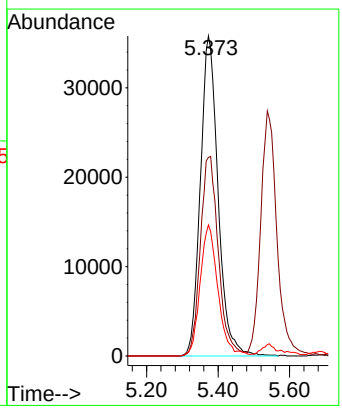


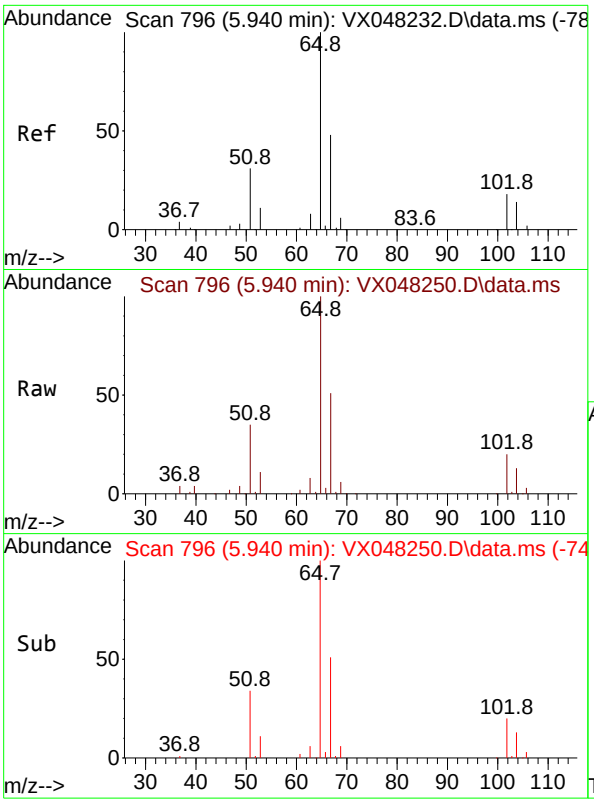




#32
1,1,1-Trichloroethane
Concen: 42.592 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 97 Resp: 123078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 51.7 | 77.5 |
| 61 | 41.2 | 34.8 | 52.2 |



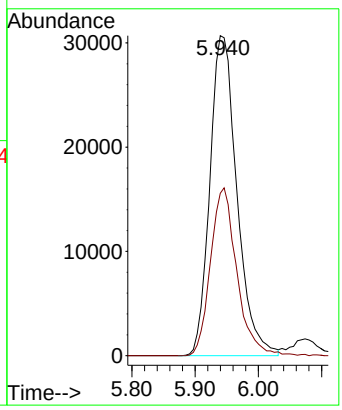


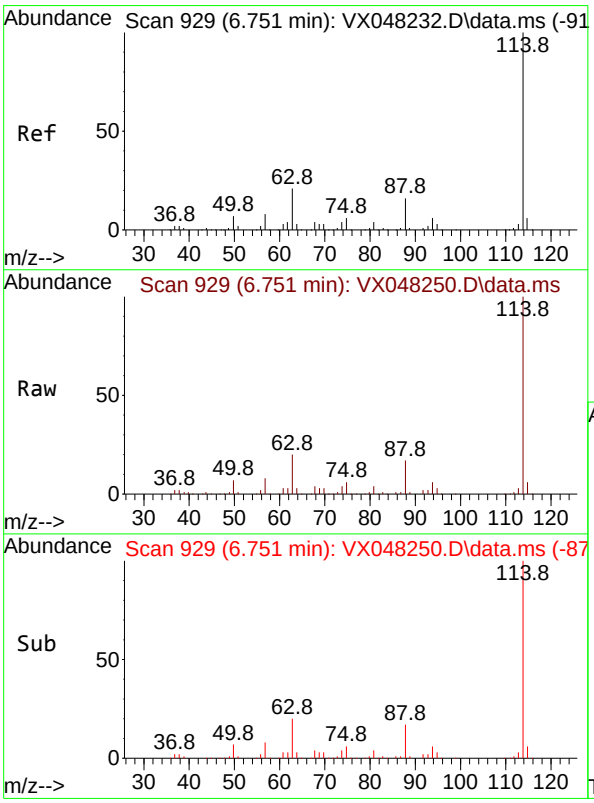

#33
1,2-Dichloroethane-d4
Concen: 46.542 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 91100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.0 | 0.0 | 105.0 |

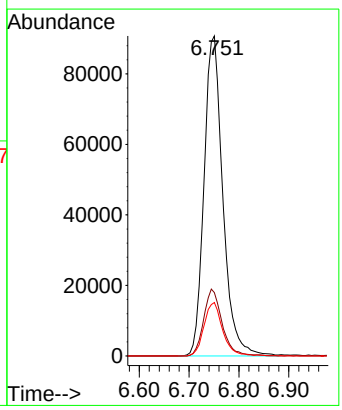


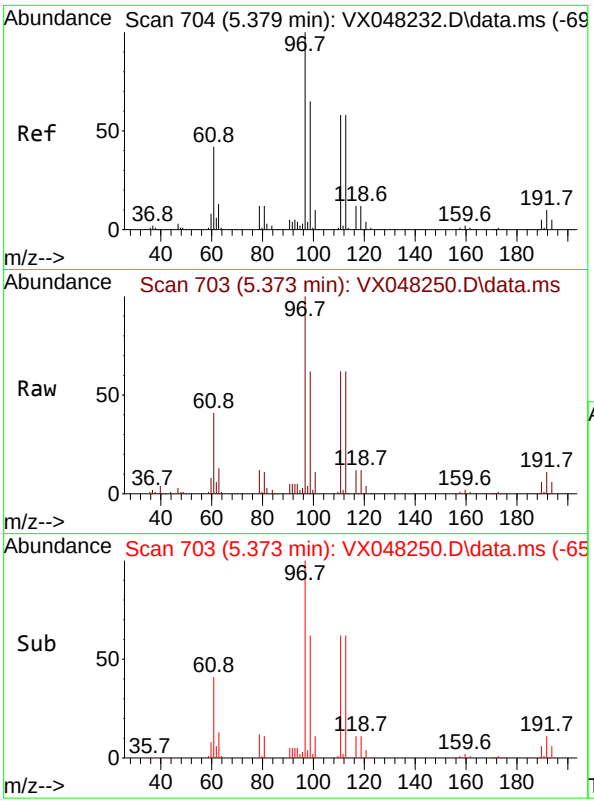




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:114 Resp: 238004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.8 | 0.0 | 43.2 |
| 88 | 16.7 | 0.0 | 33.6 |



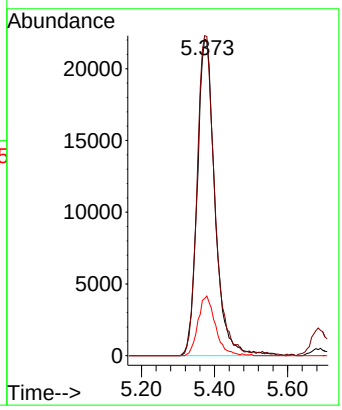


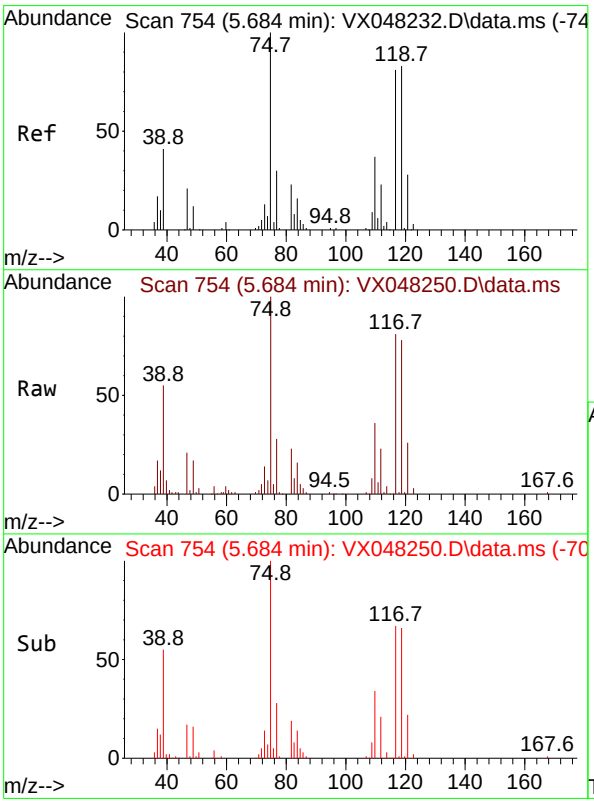

#35
Dibromofluoromethane
Concen: 45.636 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 74151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.9 | 82.2 | 123.4 |
| 192 | 18.5 | 15.1 | 22.7 |

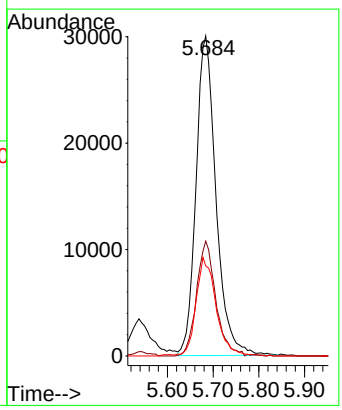


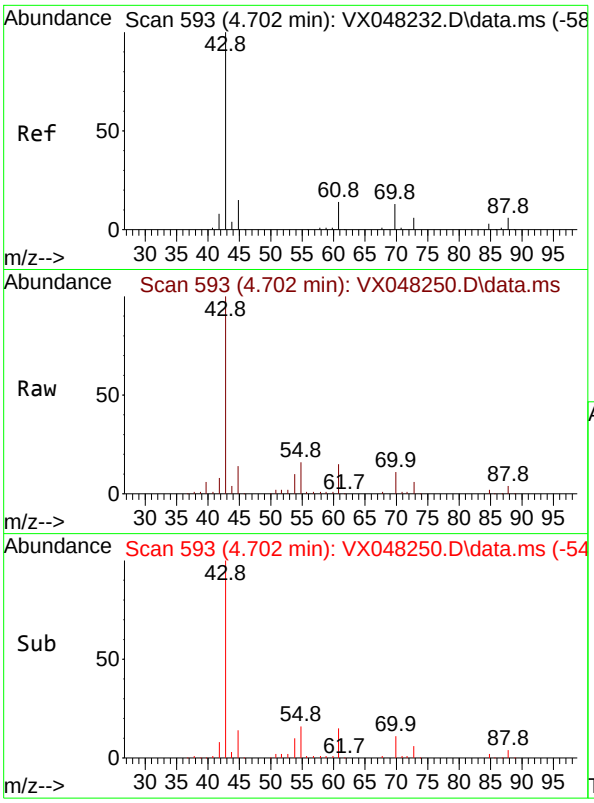




#36
1,1-Dichloropropene
Concen: 39.469 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 75 Resp: 91151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 17.7 | 53.1 |
| 77 | 29.9 | 24.3 | 36.5 |



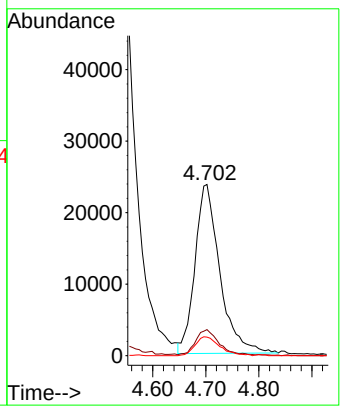


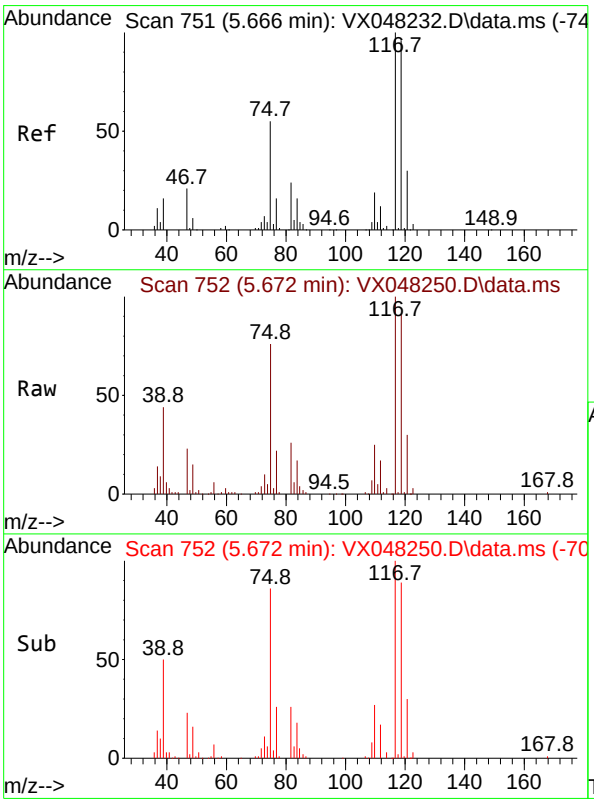

#37
Ethyl Acetate
Concen: 40.173 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 76900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 15.2 | 10.6 | 15.8 |
| 70 | 11.1 | 7.8 | 11.6 |

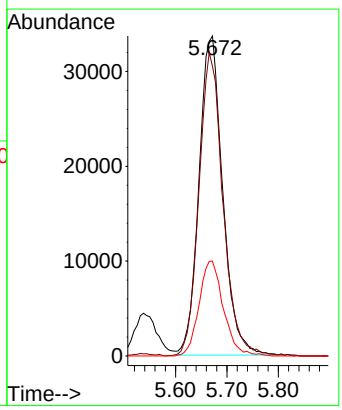


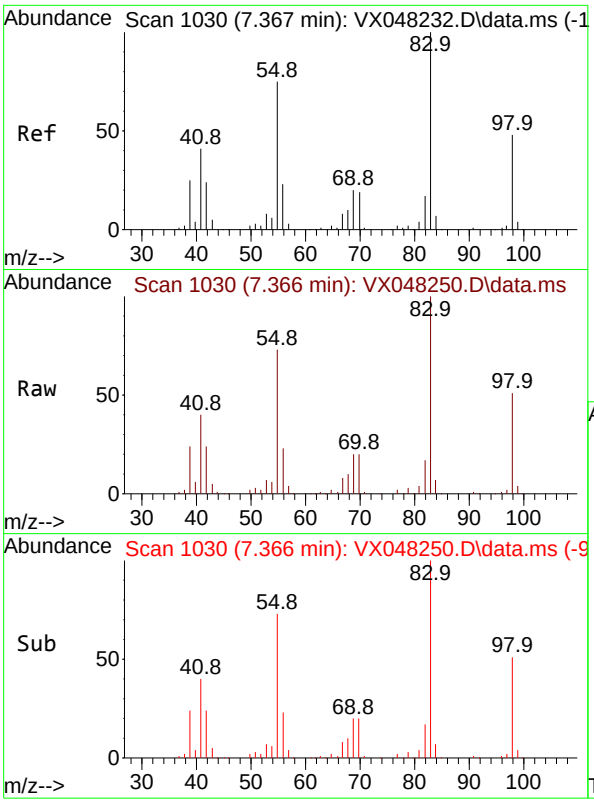




#38
Carbon Tetrachloride
Concen: 37.895 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:117 Resp: 107972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.5 | 77.2 | 115.8 |
| 121 | 29.8 | 24.8 | 37.2 |



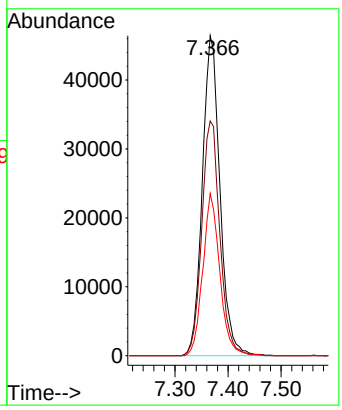


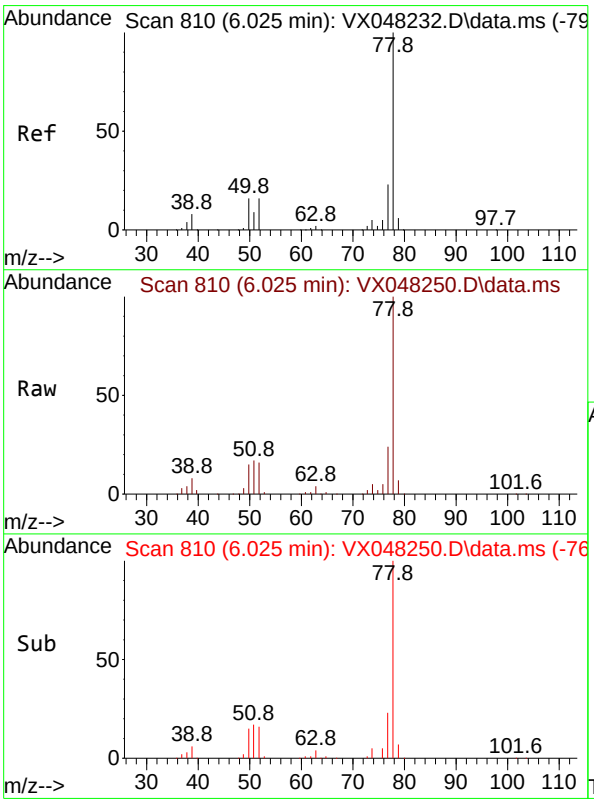

#39
Methylcyclohexane
Concen: 39.300 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 107188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 73.3 | 66.2 | 99.2 |
| 98 | 50.7 | 38.9 | 58.3 |

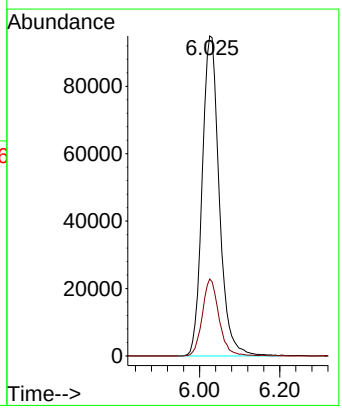


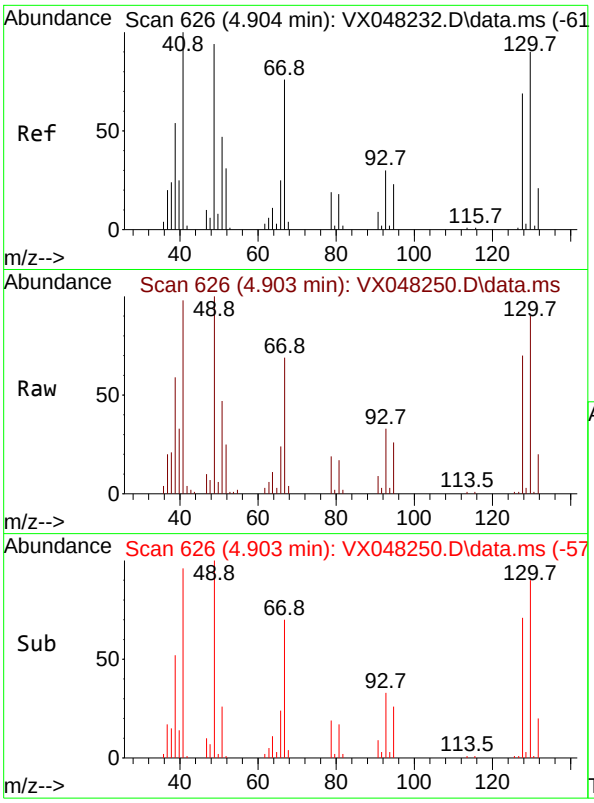




#40
Benzene
Concen: 41.821 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 78 Resp: 280412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 19.3 | 28.9 |



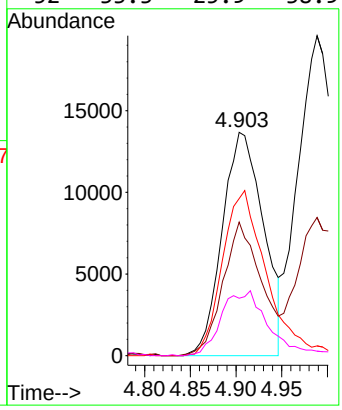


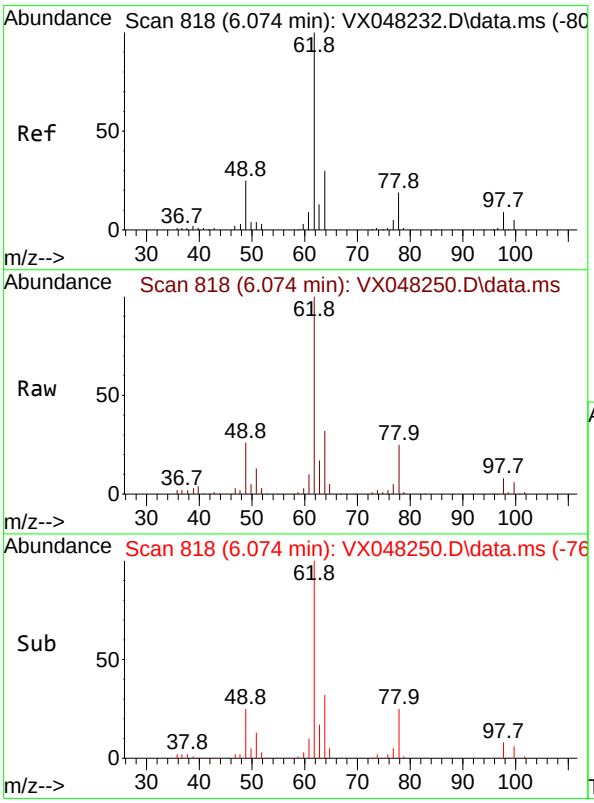

#41
Methacrylonitrile
Concen: 42.726 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 42951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.3 | 44.0 | 66.0 |
| 67 | 80.6 | 58.7 | 88.1 |
| 52 | 33.3 | 25.9 | 38.9 |

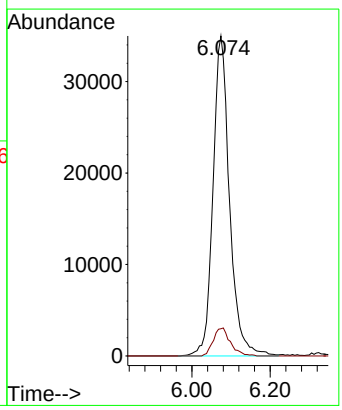


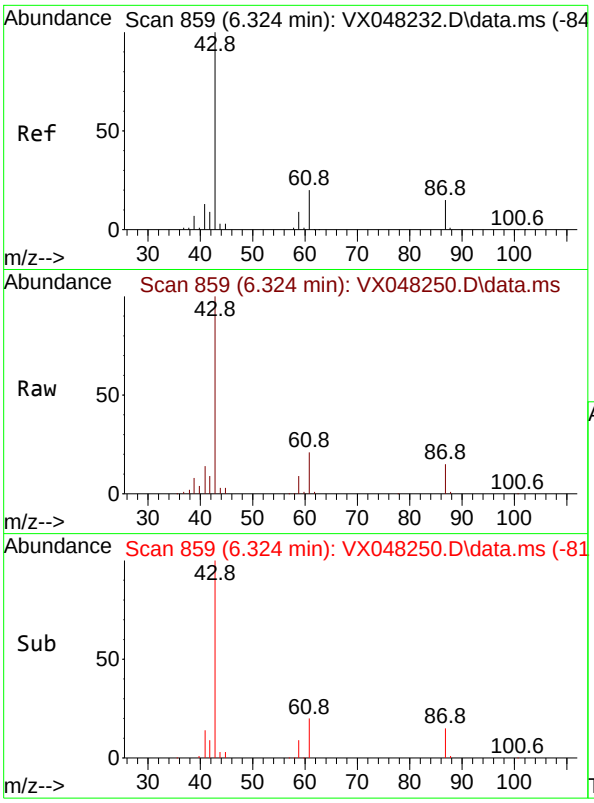




#42
1,2-Dichloroethane
Concen: 41.460 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 62 Resp: 102580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.2 |



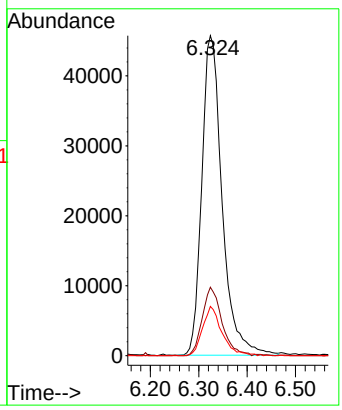


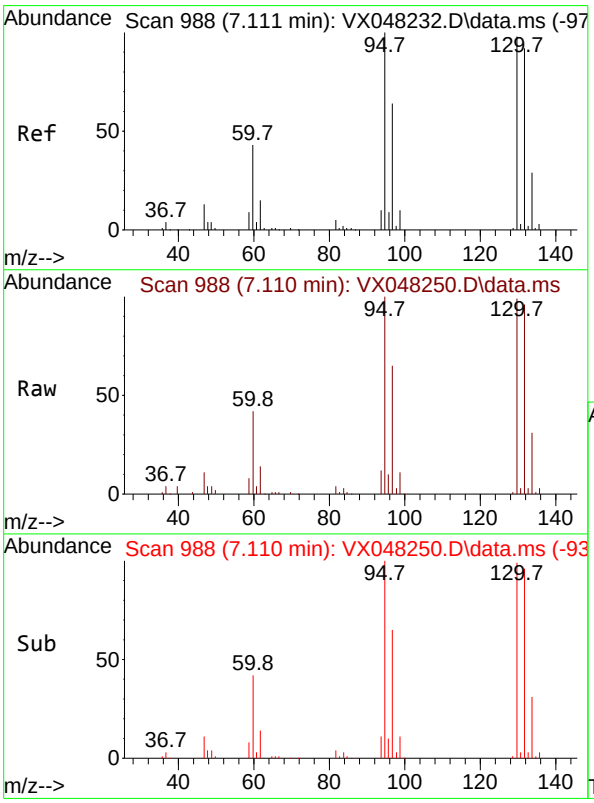

#43
Isopropyl Acetate
Concen: 42.401 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 133321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.7 | 14.9 | 22.3 |
| 87 | 14.7 | 9.4 | 14.2# |

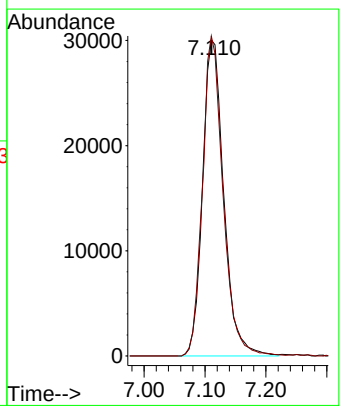


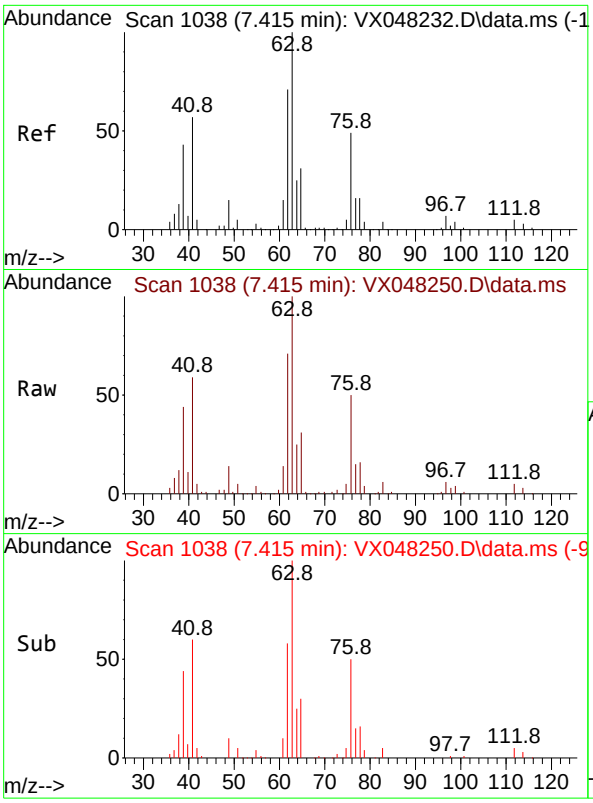




#44
Trichloroethene
Concen: 41.075 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:130 Resp: 72723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 110.9 | 0.0 | 200.6 |



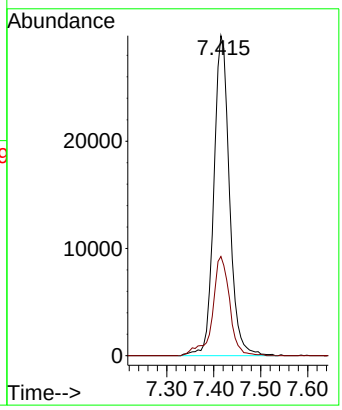


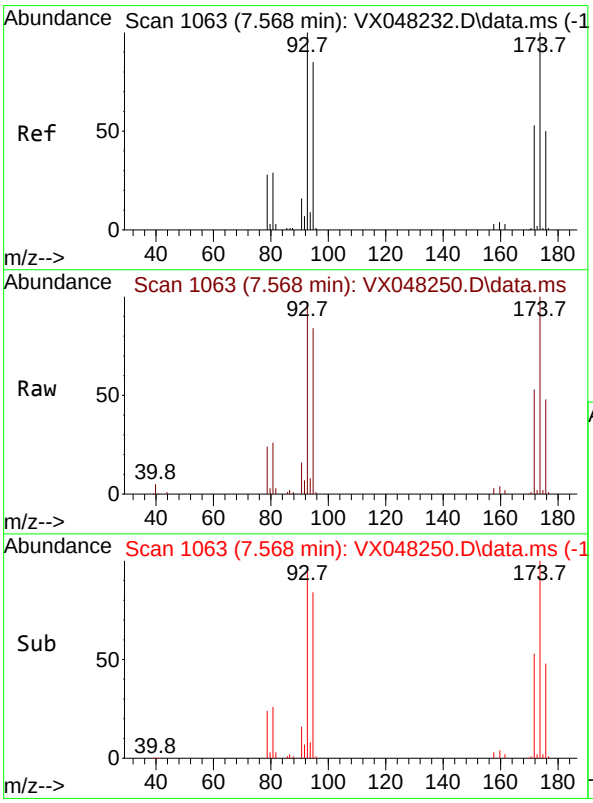

#45
1,2-Dichloropropane
Concen: 43.200 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 68867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.0 | 24.1 | 36.1 |

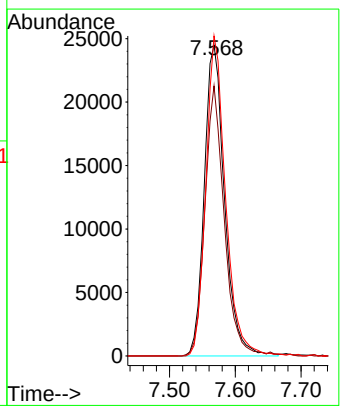


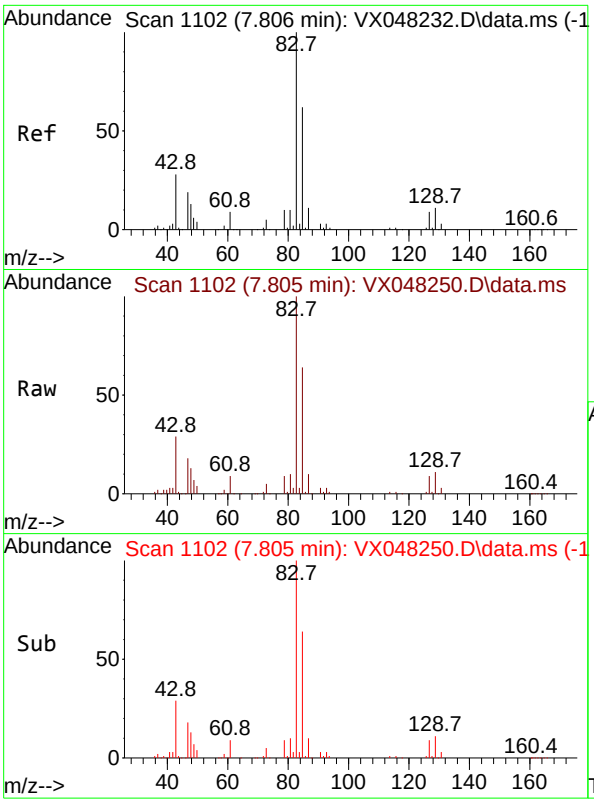




#46
Dibromomethane
Concen: 42.277 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 93 Resp: 52507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.7 | 65.9 | 98.9 |
| 174 | 100.2 | 71.7 | 107.5 |



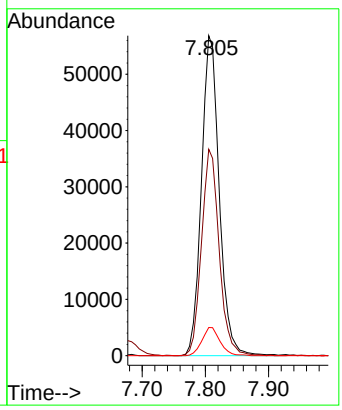


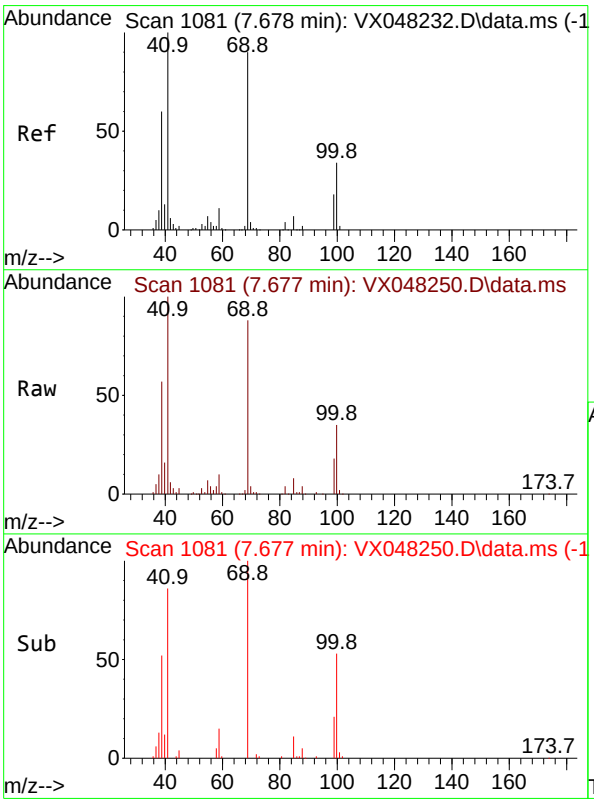

#47
Bromodichloromethane
Concen: 41.521 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 111343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 52.2 | 78.4 |
| 127 | 8.8 | 7.3 | 10.9 |

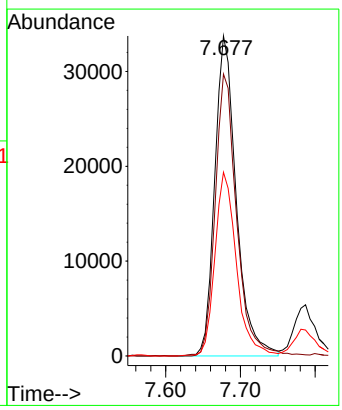


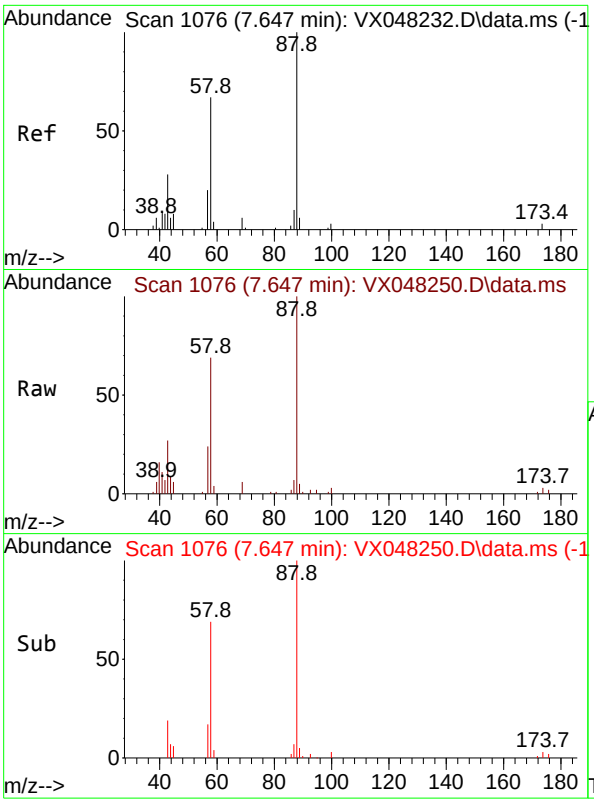




#48
Methyl methacrylate
Concen: 42.595 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 41 Resp: 67583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 87.8 | 63.4 | 95.0 |
| 39 | 57.3 | 47.1 | 70.7 |



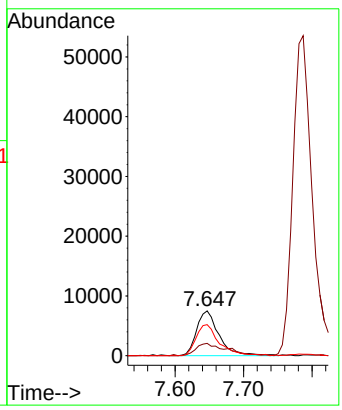


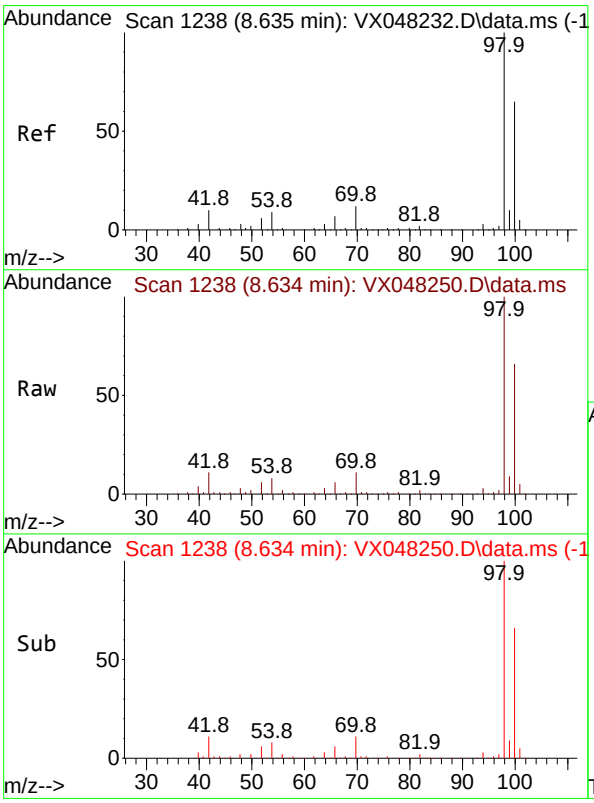

#49
1,4-Dioxane
Concen: 807.374 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 16924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.3 | 35.0 | 52.4 |
| 58 | 72.1 | 61.9 | 92.9 |

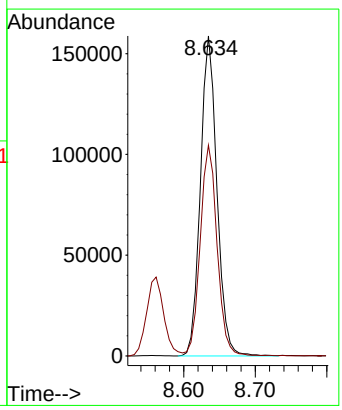


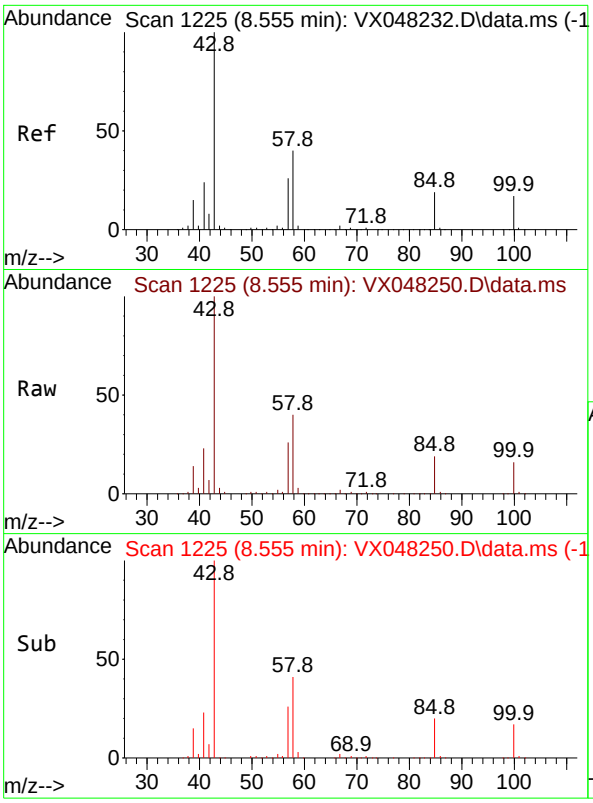




#50
Toluene-d8
Concen: 44.713 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 98 Resp: 254653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.2 | 53.0 | 79.4 |



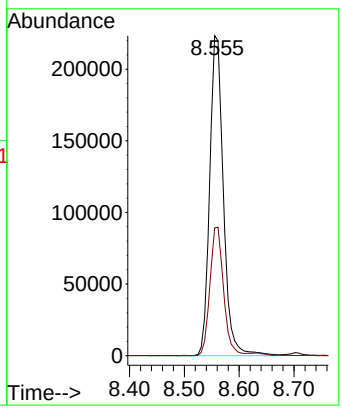


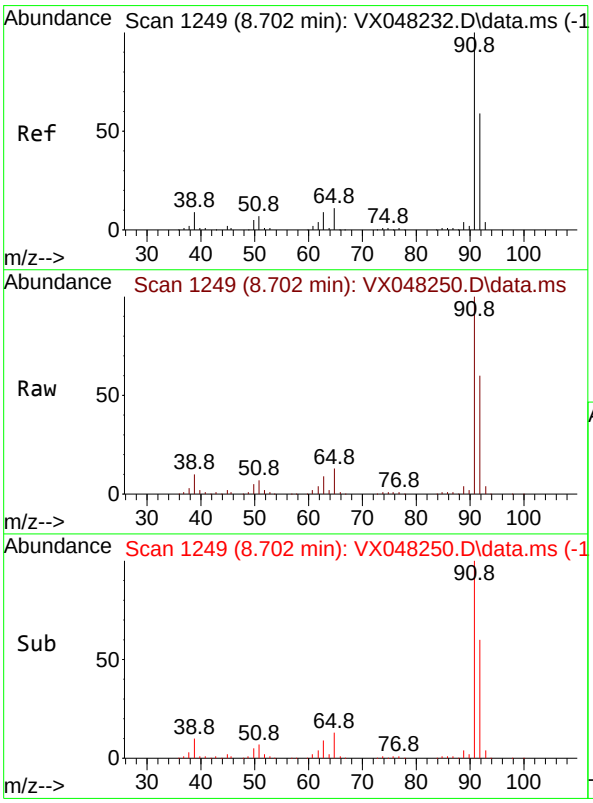

#51
4-Methyl-2-Pentanone
Concen: 213.772 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 387550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.9 | 29.5 | 44.3 |

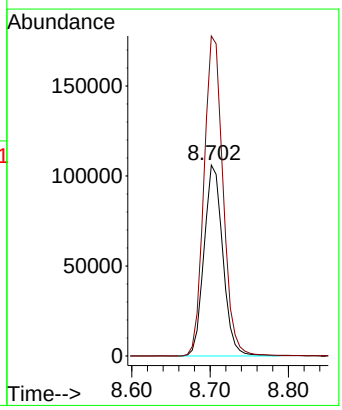


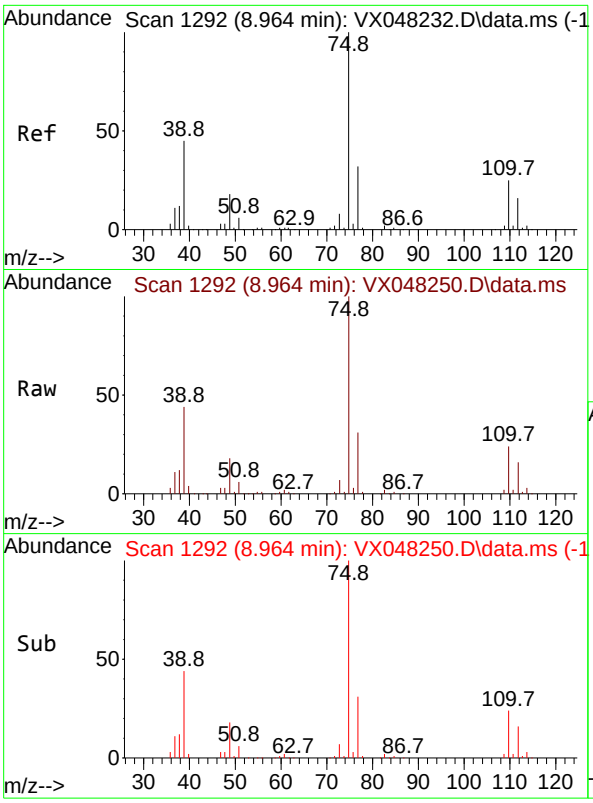




#52
Toluene
Concen: 41.403 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 92 Resp: 176360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.2 | 136.1 | 204.1 |



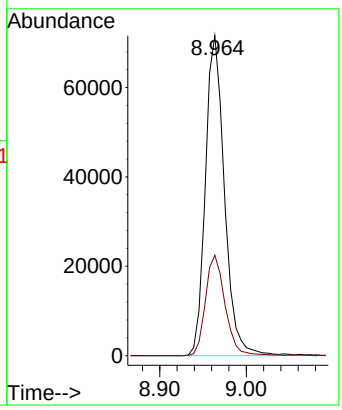


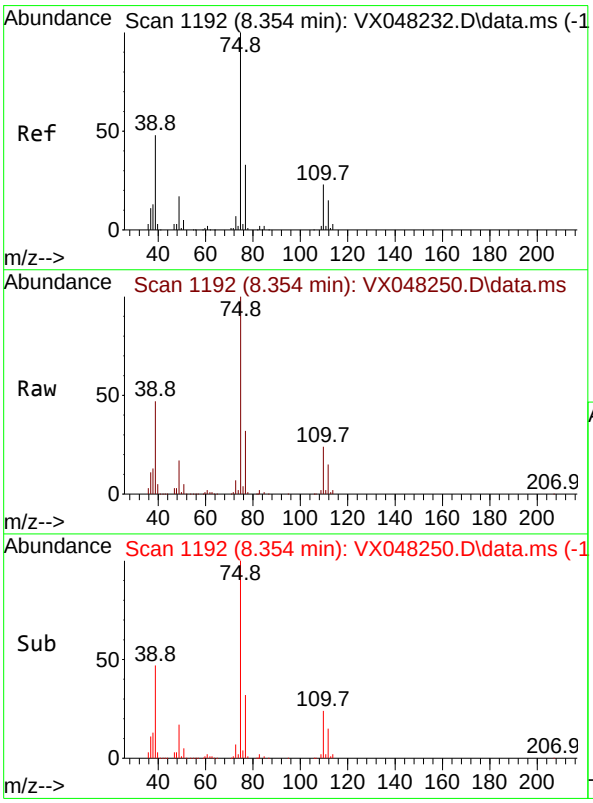

#53
t-1,3-Dichloropropene
Concen: 42.344 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 109424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.0 | 37.6 |

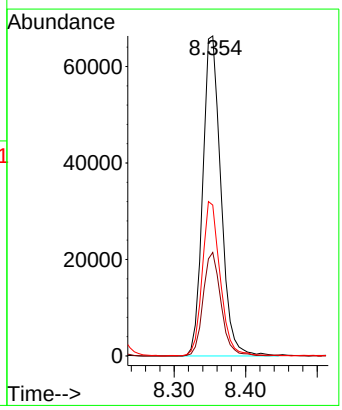


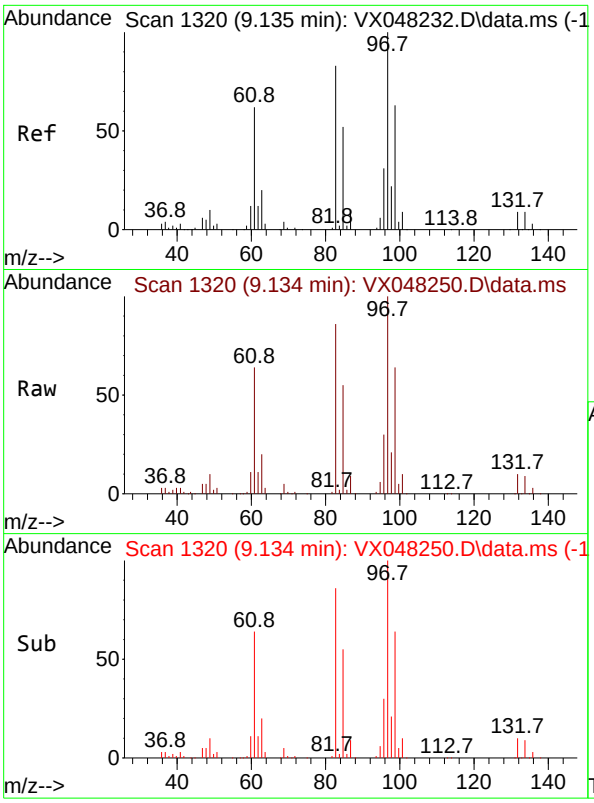




#54
cis-1,3-Dichloropropene
Concen: 41.966 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 75 Resp: 117004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 24.9 | 37.3 |
| 39 | 47.0 | 42.6 | 64.0 |



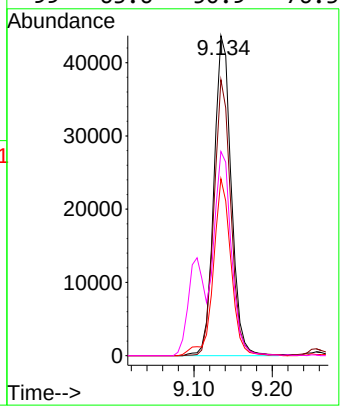


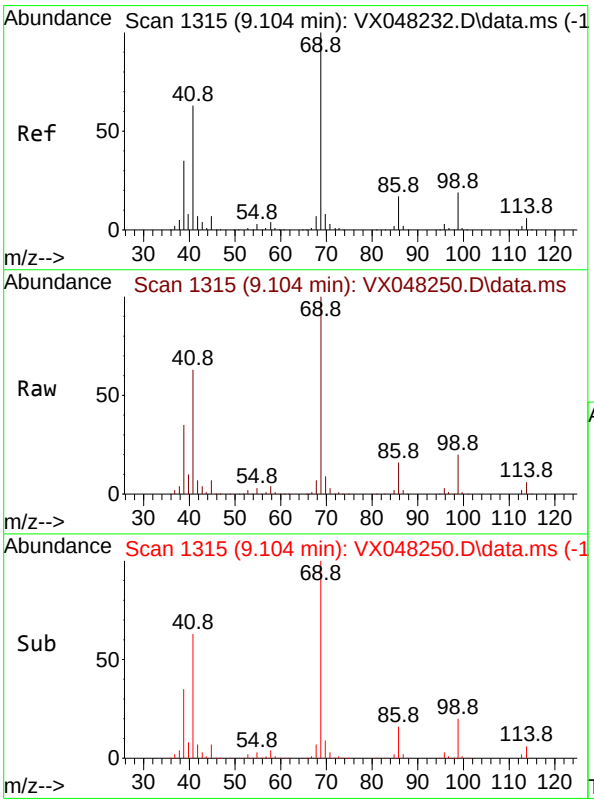

#55
1,1,2-Trichloroethane
Concen: 42.431 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 67214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.2 | 70.6 | 105.8 |
| 85 | 55.3 | 45.0 | 67.6 |
| 99 | 63.6 | 50.9 | 76.3 |

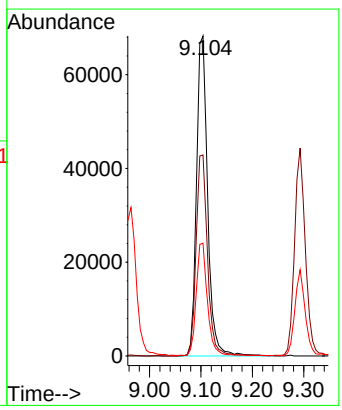


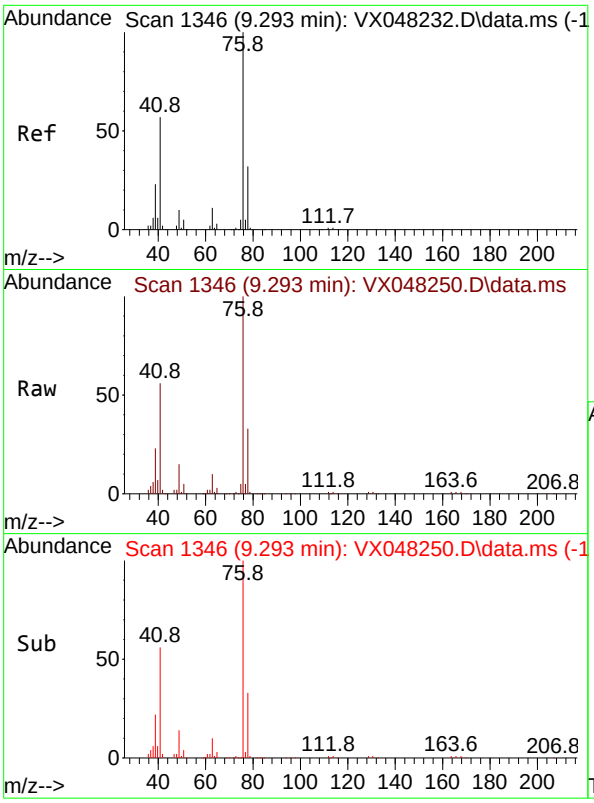




#56
Ethyl methacrylate
Concen: 44.462 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 69 Resp: 103017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.3 | 56.0 | 84.0 |
| 39 | 35.5 | 31.6 | 47.4 |



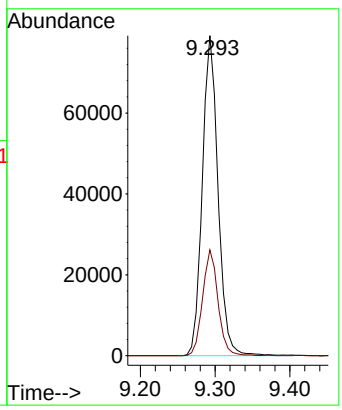


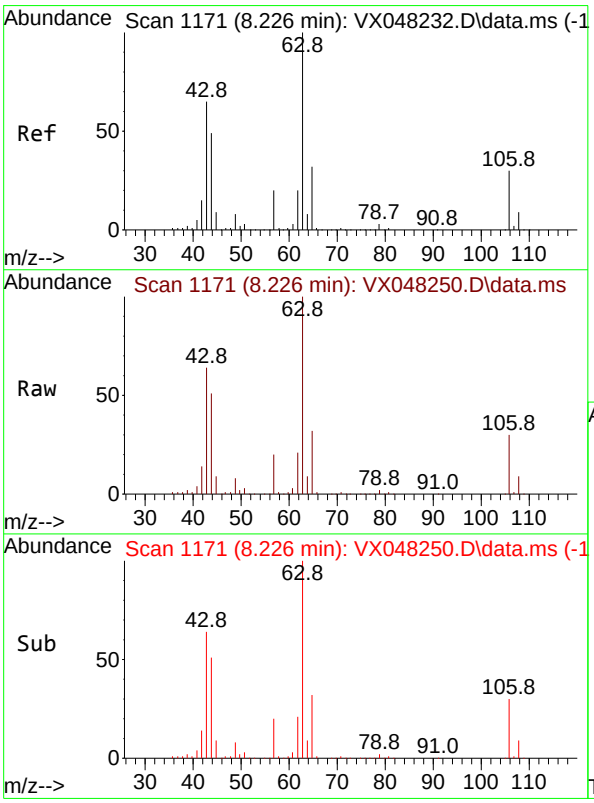

#57
1,3-Dichloropropane
Concen: 42.655 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 115414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.4 | 38.0 |

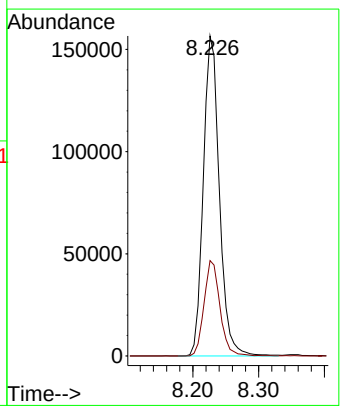


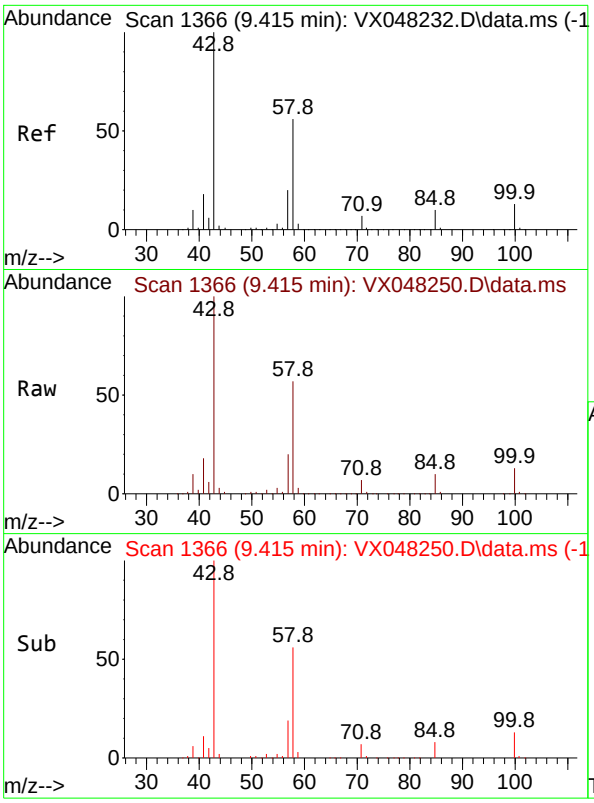




#58
2-Chloroethyl Vinyl ether
Concen: 213.796 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 63 Resp: 266044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.6 | 22.2 | 33.2 |



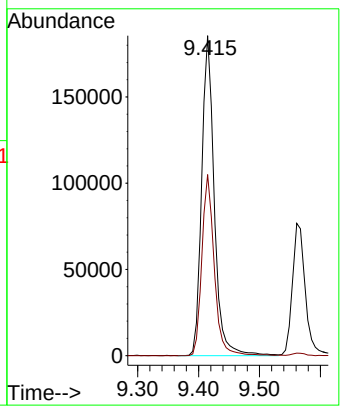


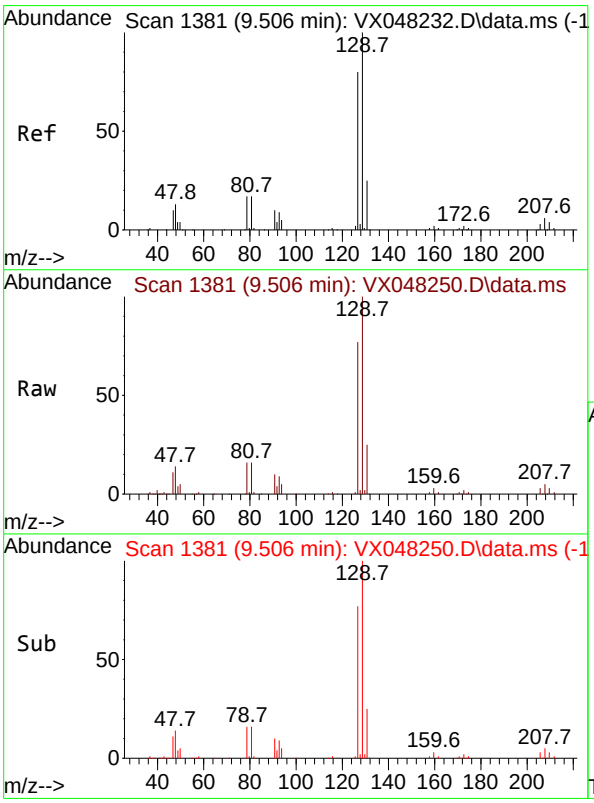

#59
2-Hexanone
Concen: 211.078 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 266829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.8 | 26.3 | 78.8 |

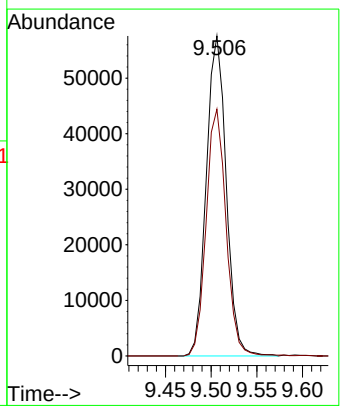


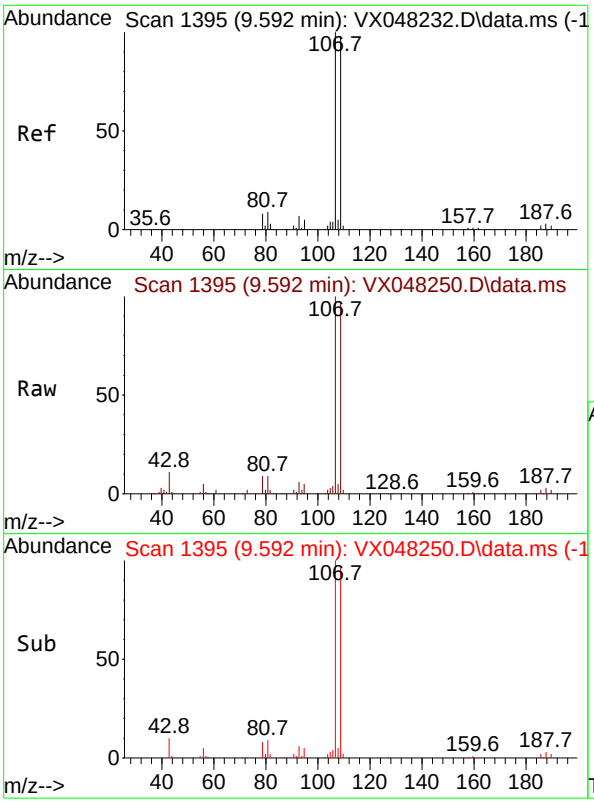




#60
Dibromochloromethane
Concen: 40.872 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:129 Resp: 87021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.2 | 38.6 | 115.7 |



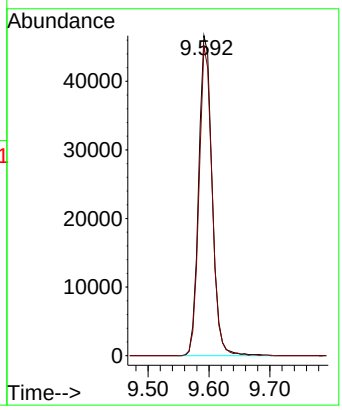


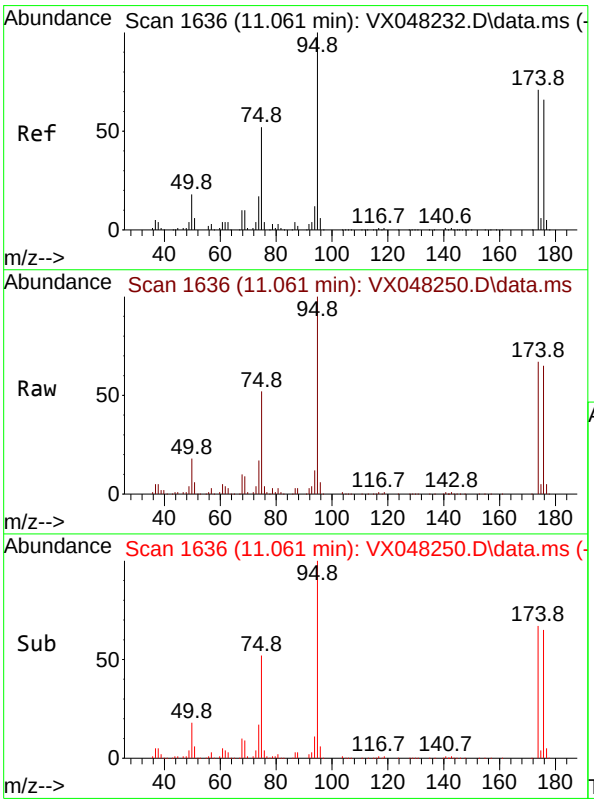

#61
1,2-Dibromoethane
Concen: 42.360 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 71534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.6 | 77.0 | 115.4 |

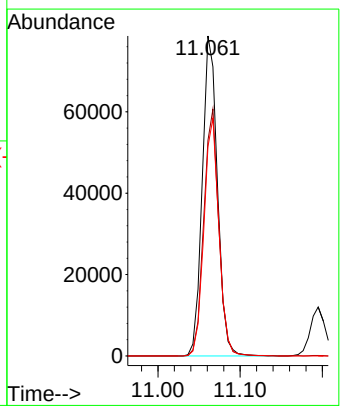


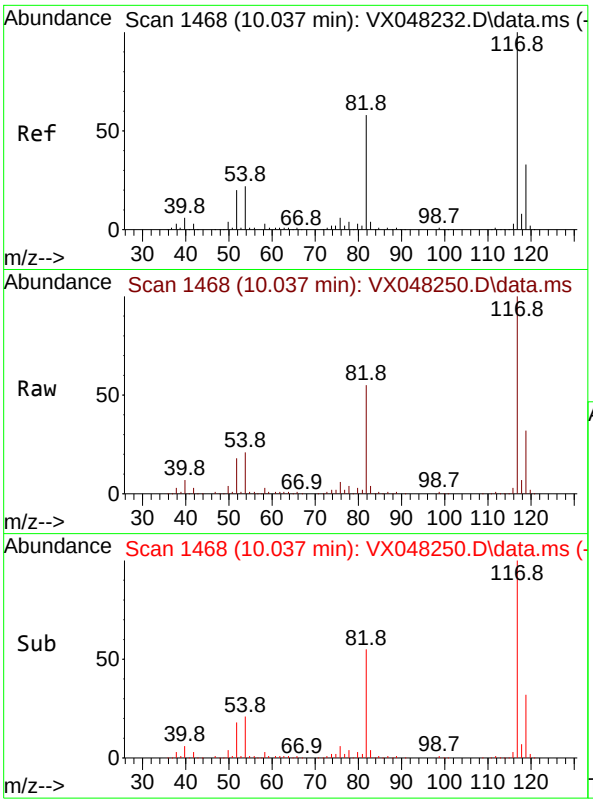




#62
4-Bromofluorobenzene
Concen: 46.587 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 95 Resp: 100937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.9 | 0.0 | 147.8 |
| 176 | 73.3 | 0.0 | 142.8 |



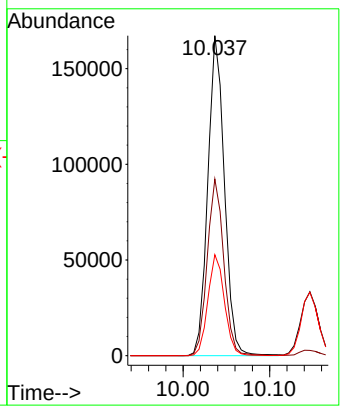


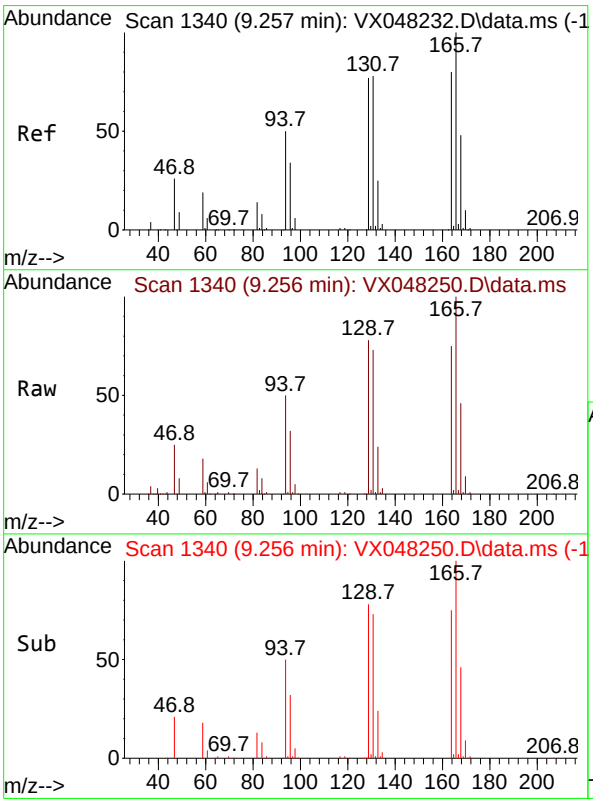

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 222585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.2 | 46.5 | 69.7 |
| 119 | 31.5 | 25.9 | 38.9 |

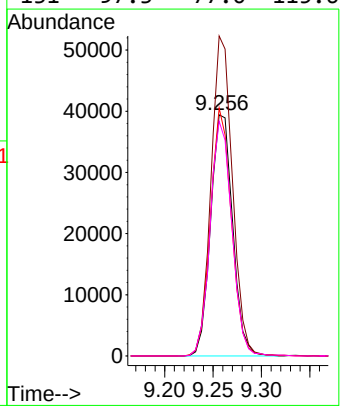


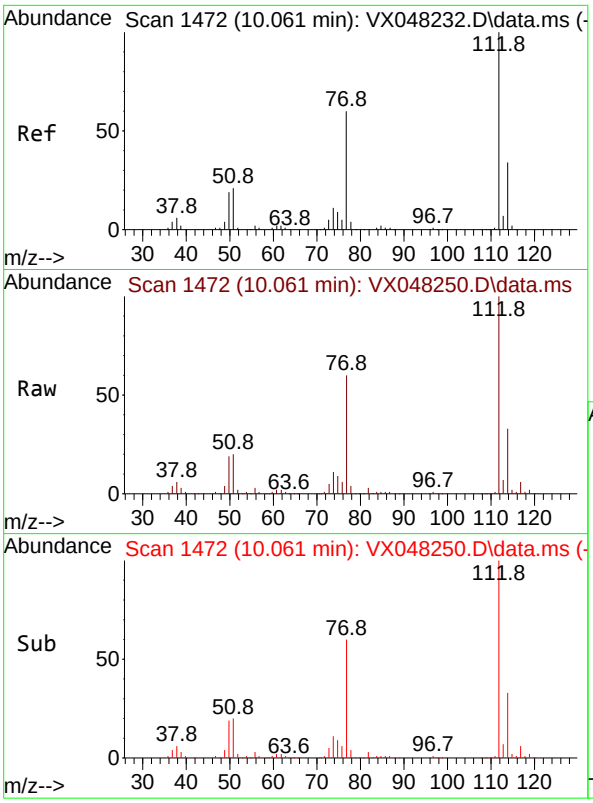




#64
Tetrachloroethene
Concen: 37.463 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:164 Resp: 62251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 132.7 | 104.5 | 156.7 |
| 129 | 102.9 | 81.8 | 122.6 |
| 131 | 97.3 | 77.0 | 115.6 |



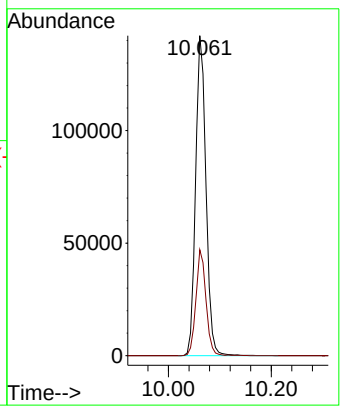


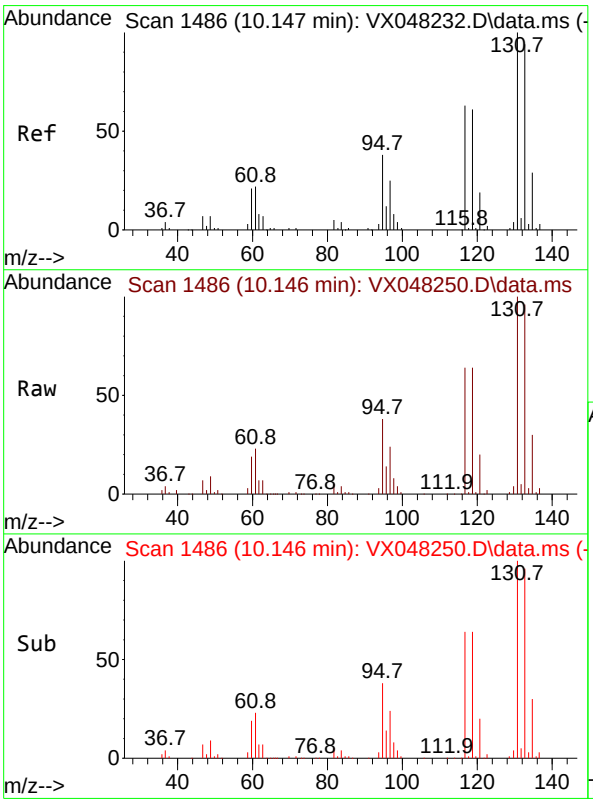

#65
Chlorobenzene
Concen: 39.787 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 199218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.1 | 26.2 | 39.2 |

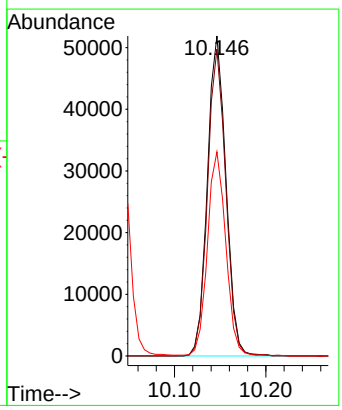


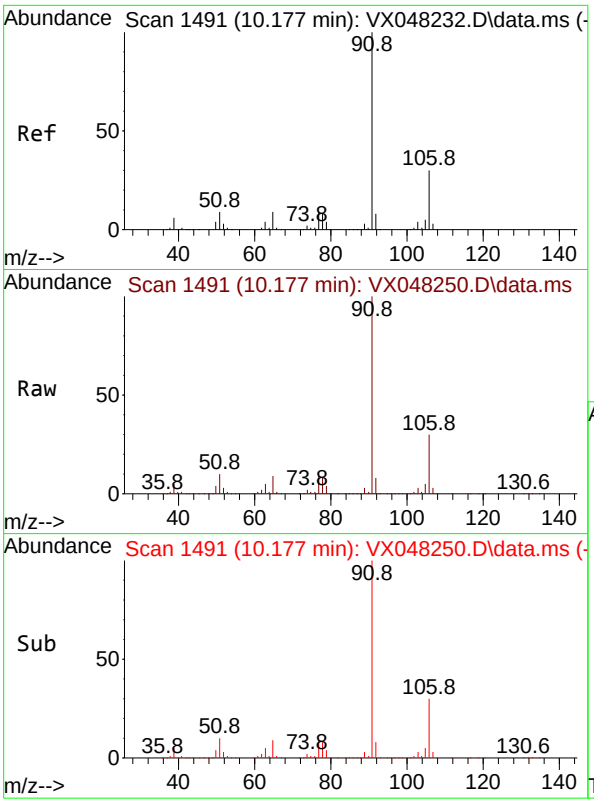




#66
1,1,1,2-Tetrachloroethane
Concen: 39.651 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:131 Resp: 72921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.6 | 142.8 |
| 119 | 63.1 | 32.5 | 97.5 |



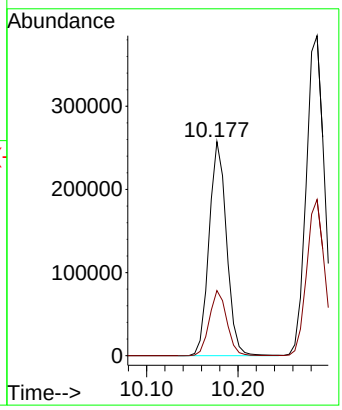


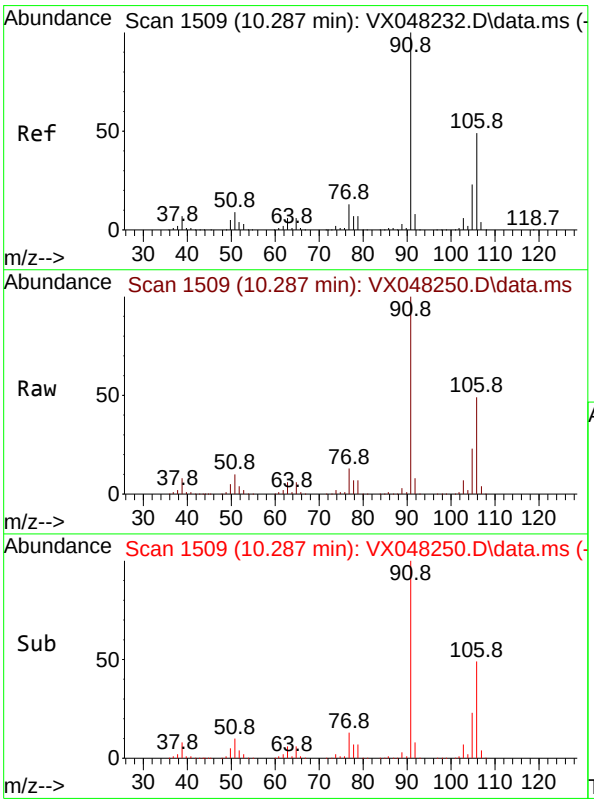

#67
Ethyl Benzene
Concen: 39.962 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 340670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 23.8 | 35.6 |

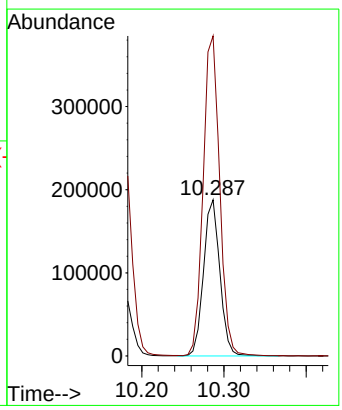


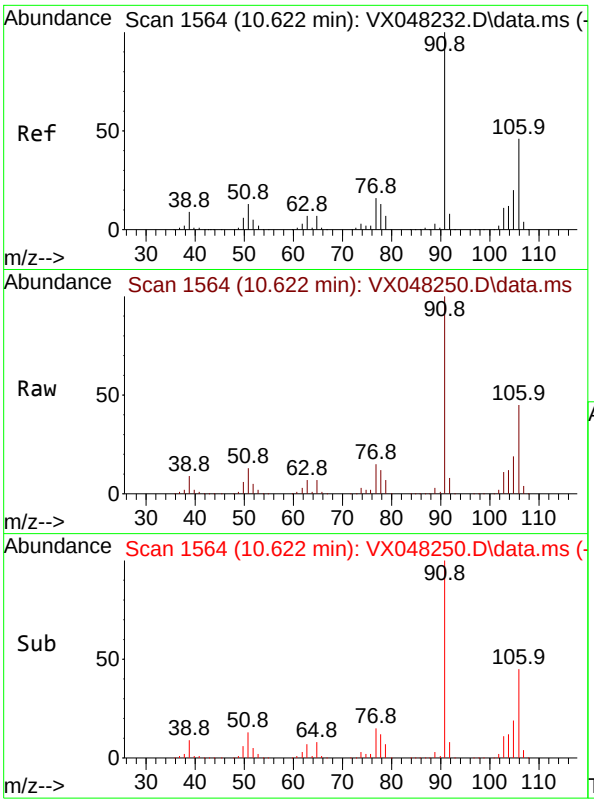




#68
m/p-Xylenes
Concen: 81.737 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:106 Resp: 258895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.8 | 167.9 | 251.9 |



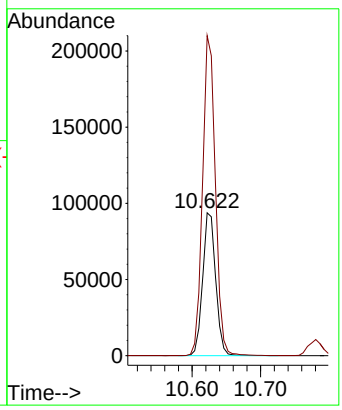


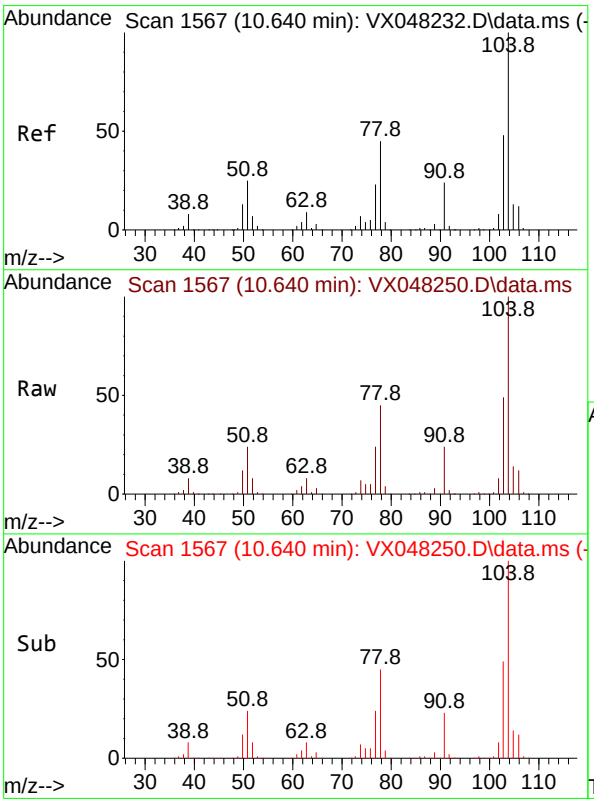

#69
o-Xylene
Concen: 40.619 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 124210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.3 | 111.3 | 333.9 |

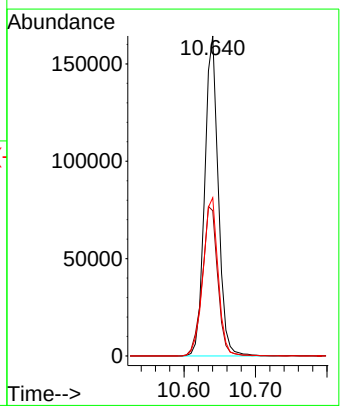


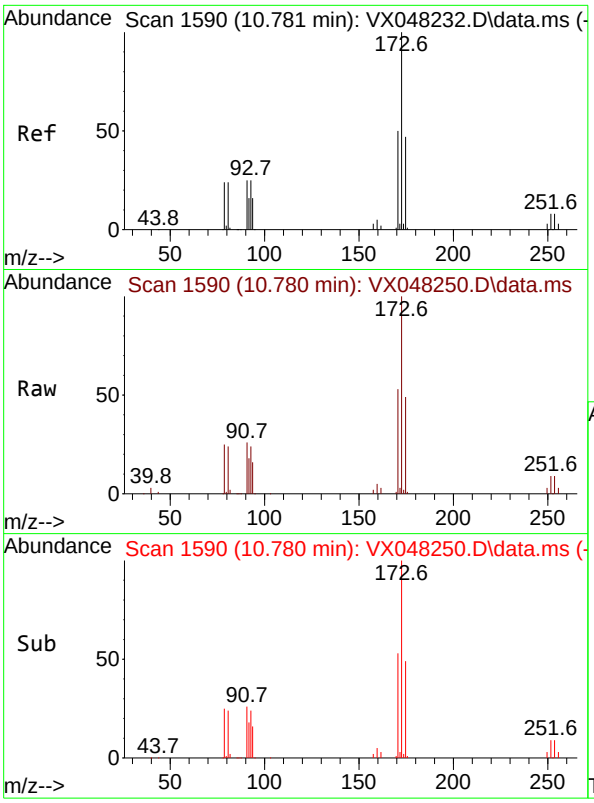




#70
Styrene
Concen: 41.732 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:104 Resp: 217296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.8 | 42.2 | 63.4 |
| 103 | 54.7 | 43.0 | 64.4 |



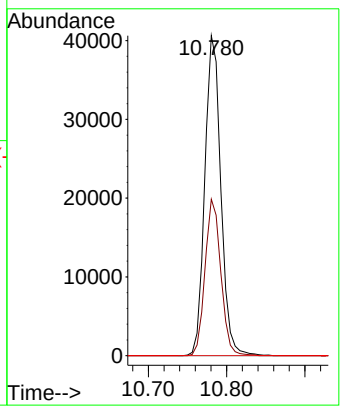


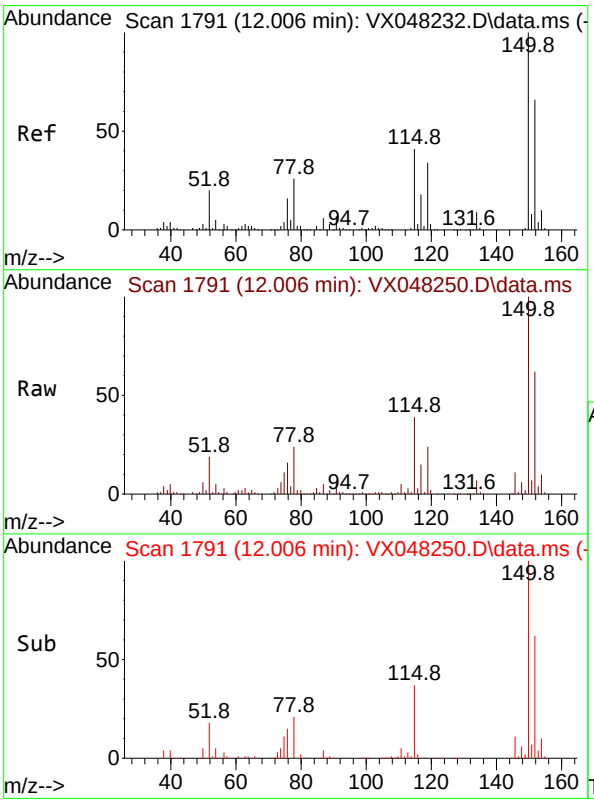

#71
Bromoform
Concen: 39.184 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 57595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.1 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |

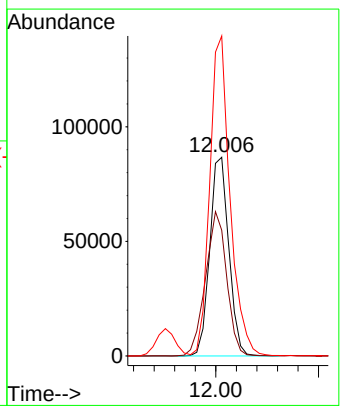


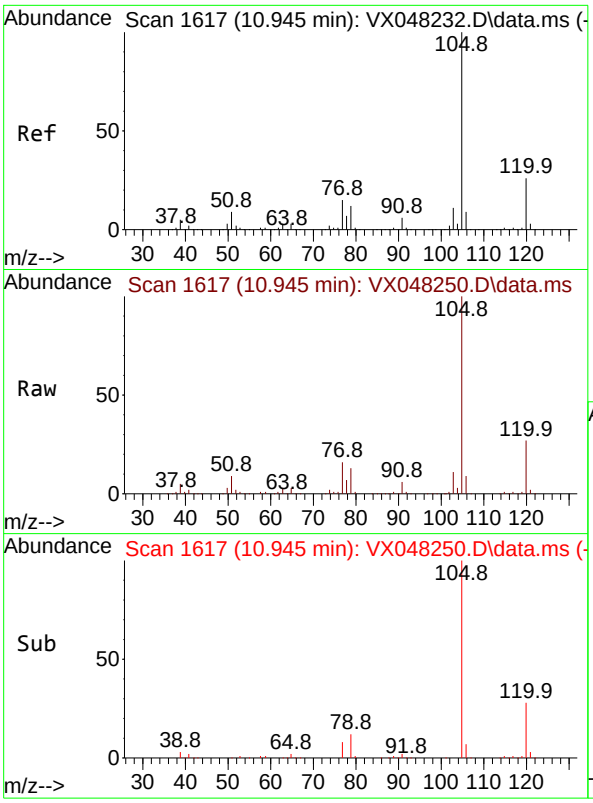




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:152 Resp: 111726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 80.8 | 43.1 | 129.4 |
| 150 | 171.0 | 0.0 | 353.0 |



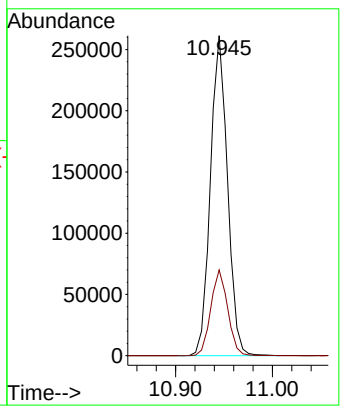


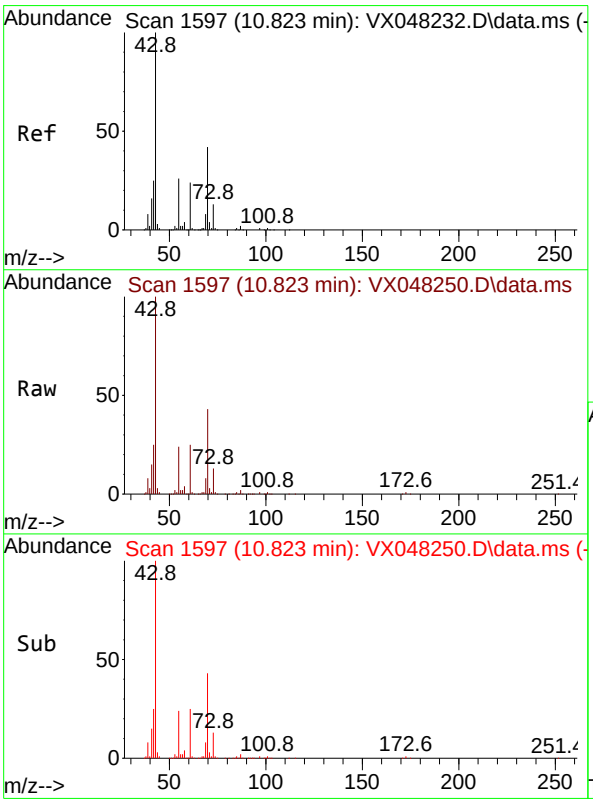

#73
Isopropylbenzene
Concen: 39.266 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 320429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.0 | 38.9 |

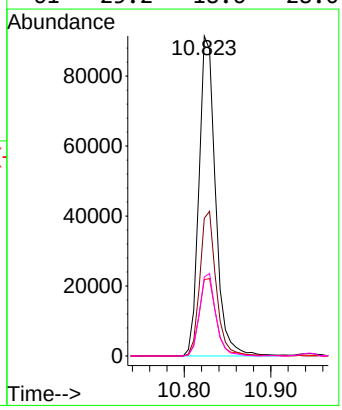


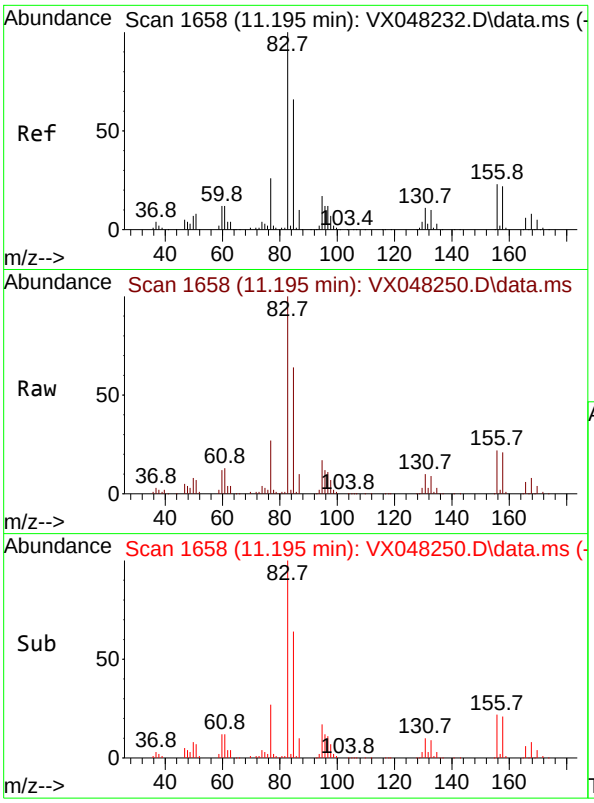




#74
N-amyl acetate
Concen: 41.983 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 43 Resp: 121526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.5 | 32.2 | 48.2 |
| 55 | 25.2 | 19.1 | 28.7 |
| 61 | 25.2 | 18.6 | 28.0 |



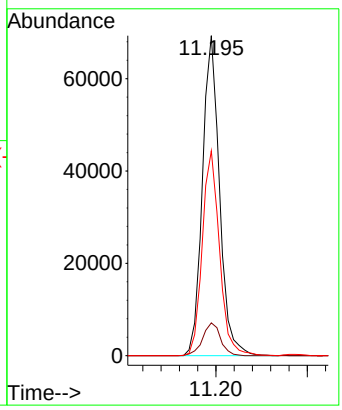


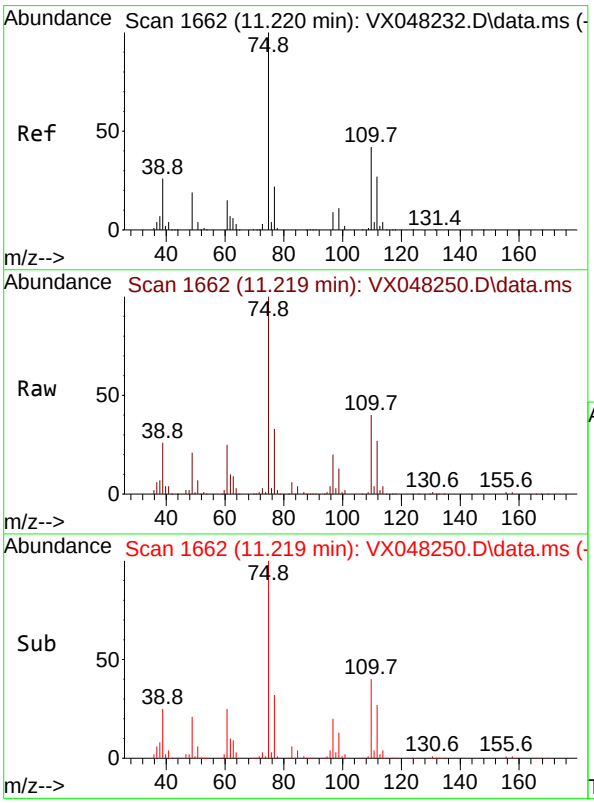

#75
1,1,2,2-Tetrachloroethane
Concen: 40.326 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 89867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.8 | 4.8 | 14.4 |
| 85 | 64.6 | 31.9 | 95.7 |

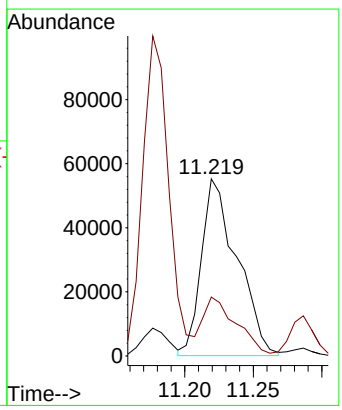


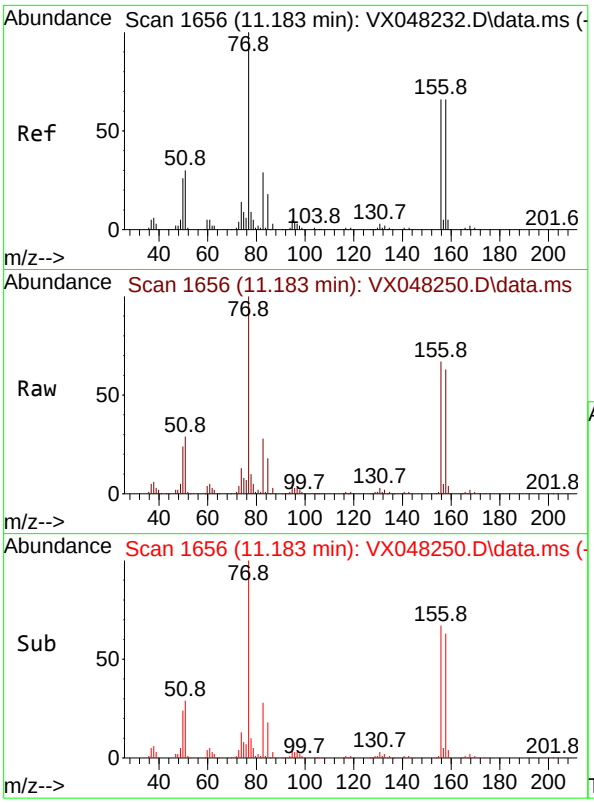




#76
1,2,3-Trichloropropane
Concen: 55.286 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 75 Resp: 100169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 22.4 | 67.2 |



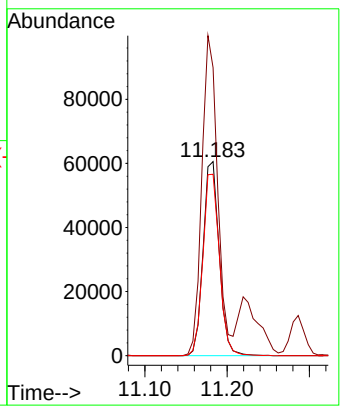


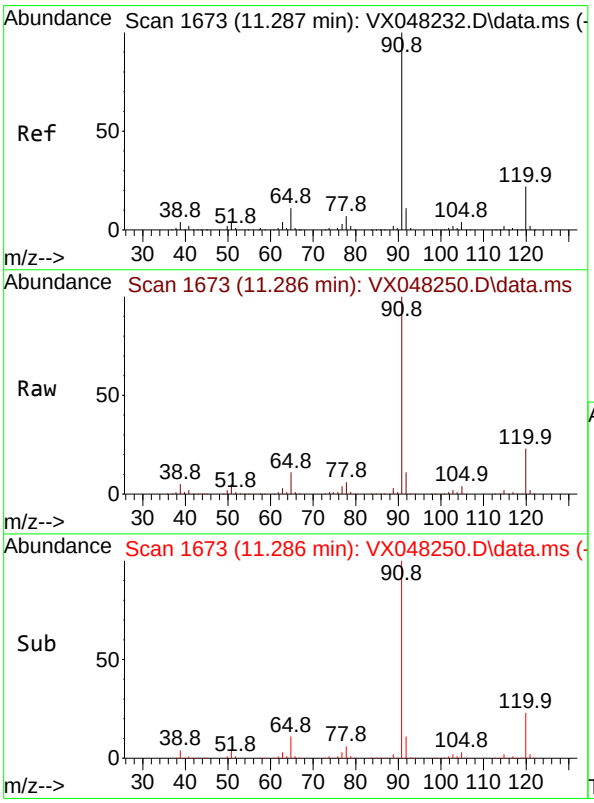

#77
Bromobenzene
Concen: 40.142 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 82137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 162.9 | 87.0 | 261.0 |
| 158 | 96.3 | 47.8 | 143.4 |

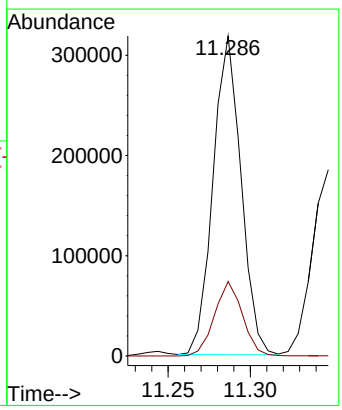


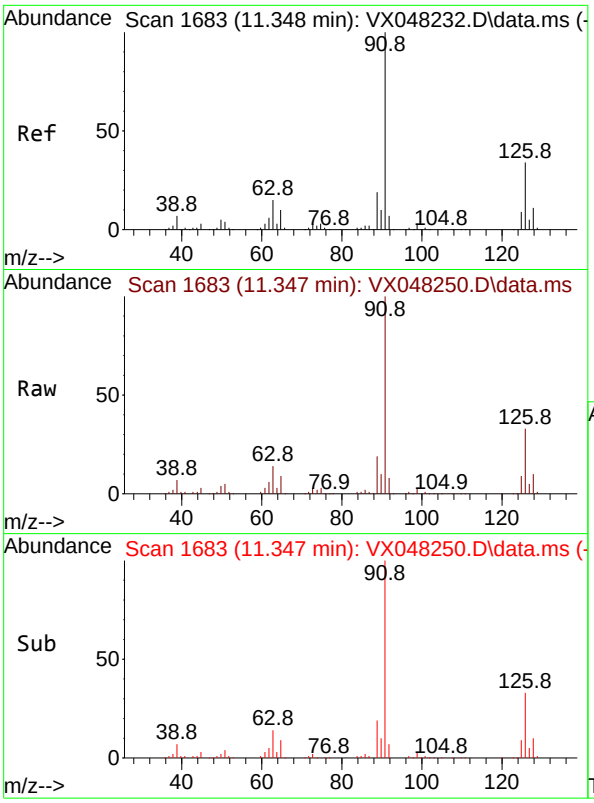




#78
n-propylbenzene
Concen: 39.766 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 91 Resp: 375729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.4 | 11.1 | 33.1 |



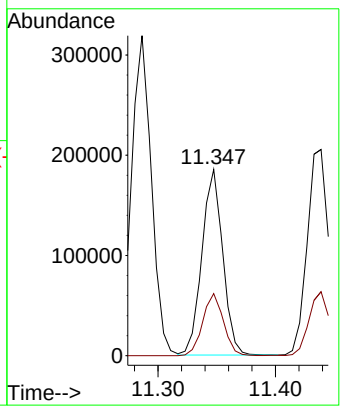


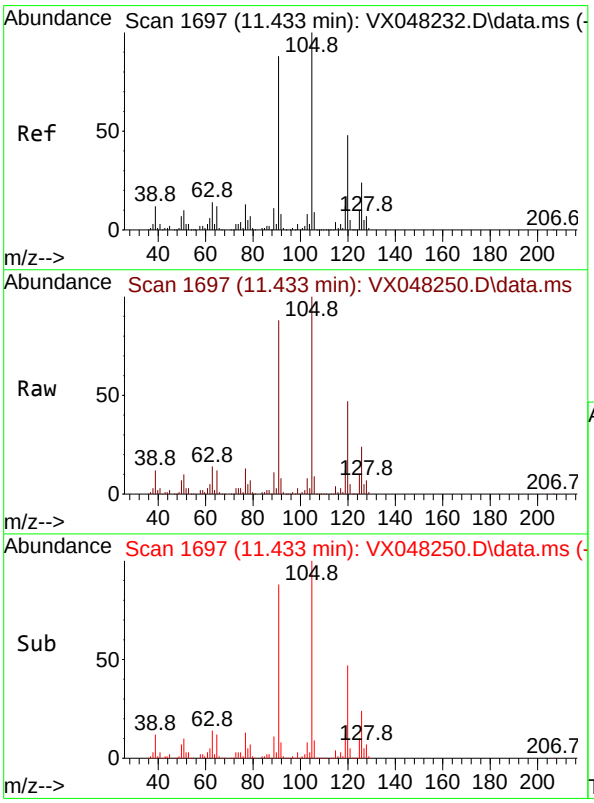

#79
2-Chlorotoluene
Concen: 39.772 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 227832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.4 | 49.4 |

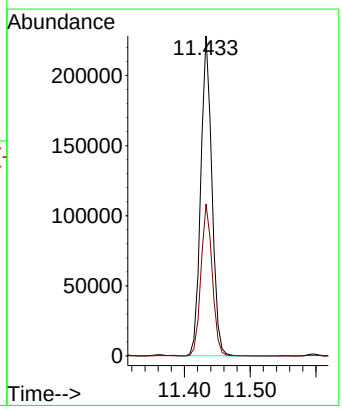


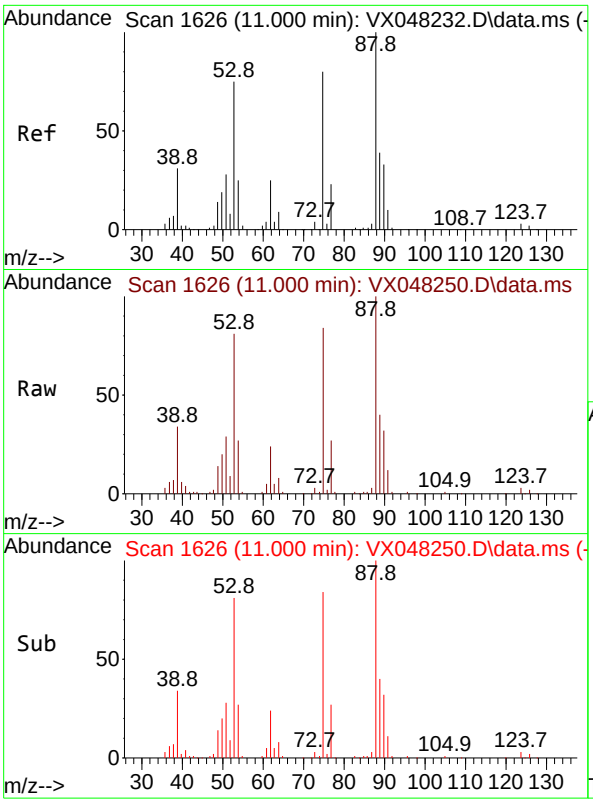




#80
1,3,5-Trimethylbenzene
Concen: 39.638 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:105 Resp: 267685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.0 | 72.0 |



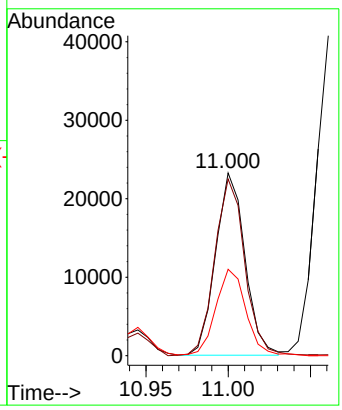


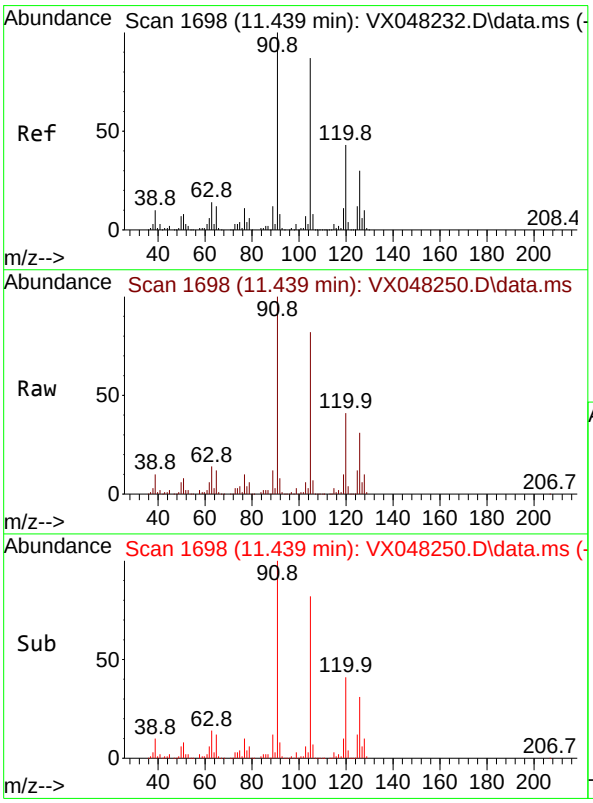

#81
trans-1,4-Dichloro-2-butene
Concen: 38.739 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 28849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 99.8 | 79.5 | 119.3 |
| 89 | 48.9 | 36.8 | 55.2 |

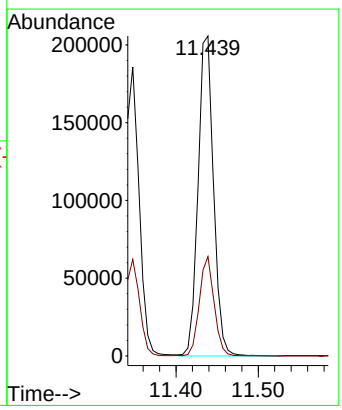


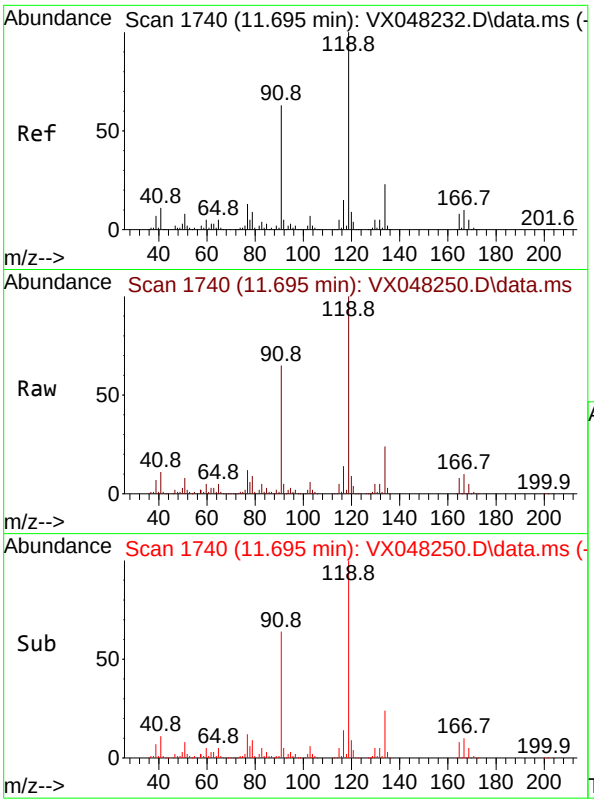




#82
4-Chlorotoluene
Concen: 39.656 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 91 Resp: 269666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.7 | 14.1 | 42.4 |



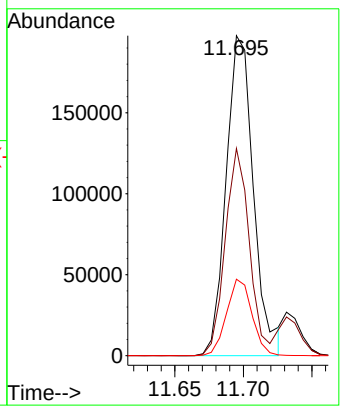


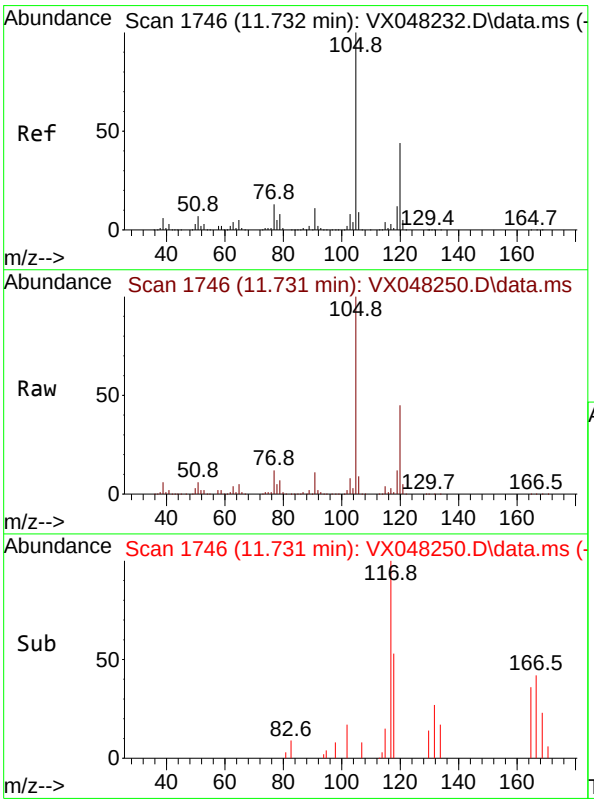

#83
tert-Butylbenzene
Concen: 39.532 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 274302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 57.3 | 30.3 | 91.0 |
| 134 | 22.3 | 11.4 | 34.2 |

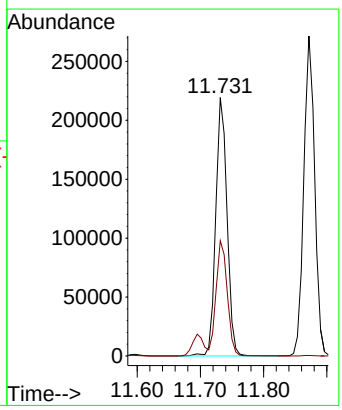


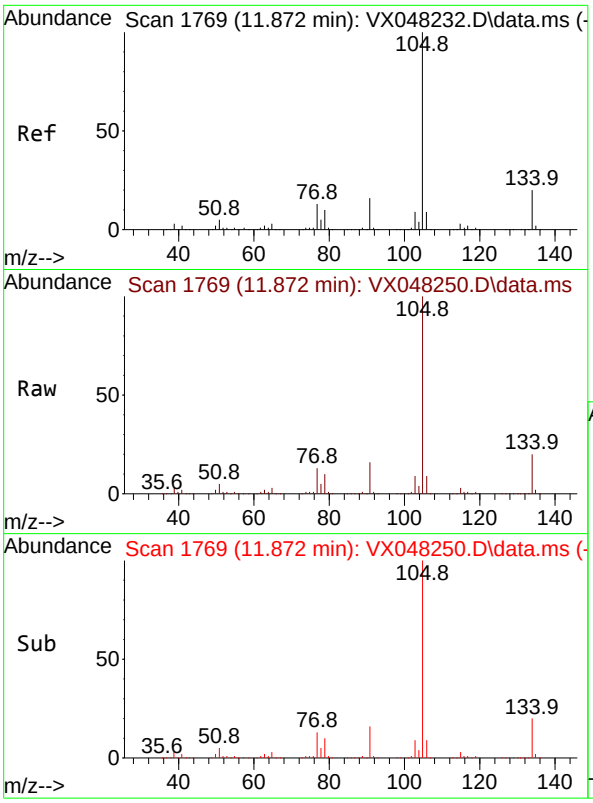




#84
1,2,4-Trimethylbenzene
Concen: 40.199 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:105 Resp: 270928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.5 |



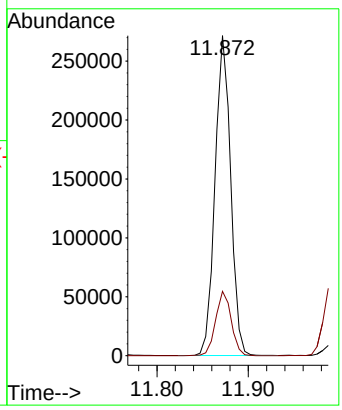


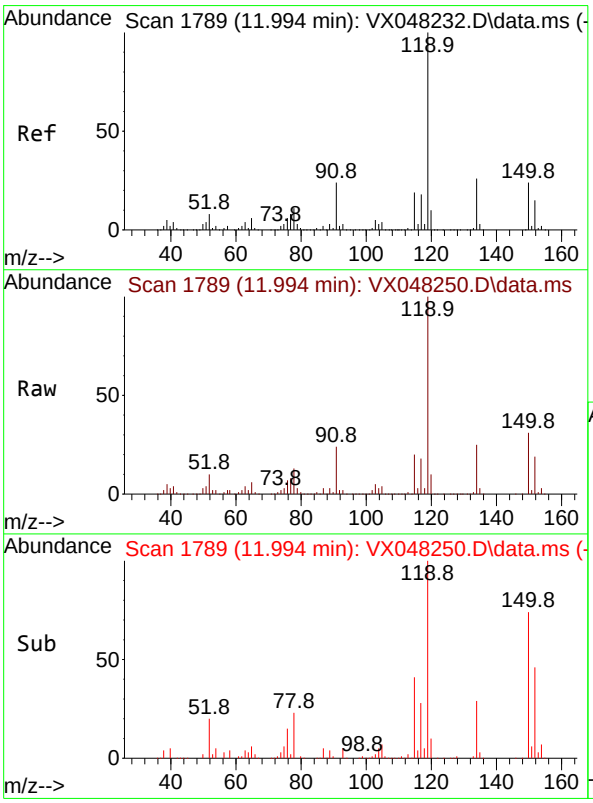

#85
sec-Butylbenzene
Concen: 38.565 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 321937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 10.1 | 30.1 |

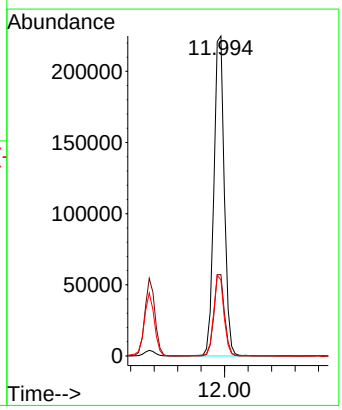


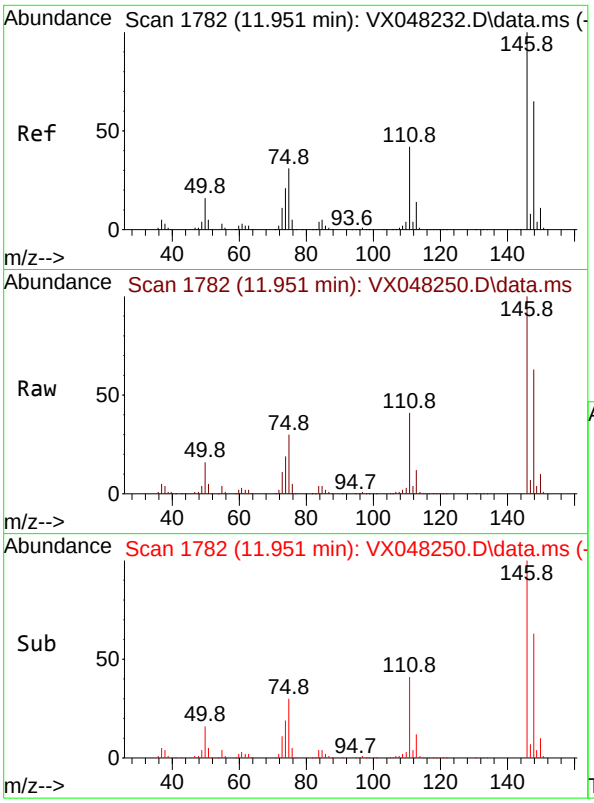




#86
p-Isopropyltoluene
Concen: 38.201 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:119 Resp: 275642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 13.0 | 39.0 |
| 91 | 24.8 | 12.1 | 36.3 |



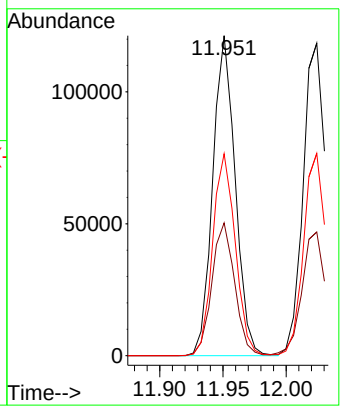


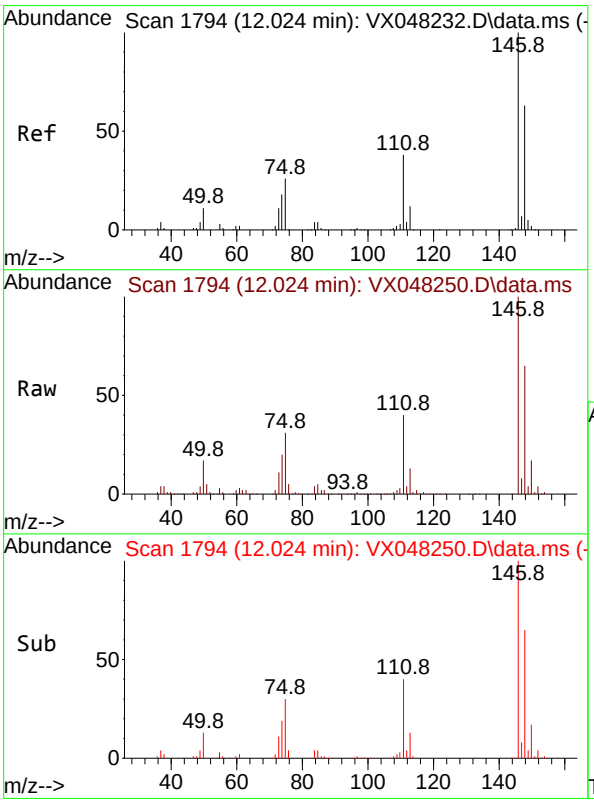

#87
1,3-Dichlorobenzene
Concen: 38.747 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 149462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 20.4 | 61.2 |
| 148 | 63.6 | 31.9 | 95.9 |

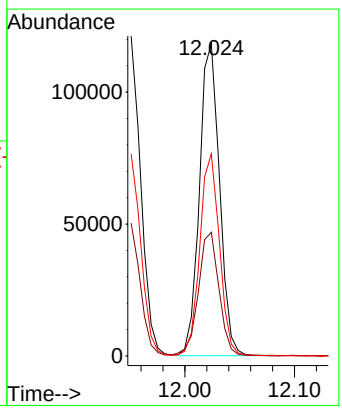


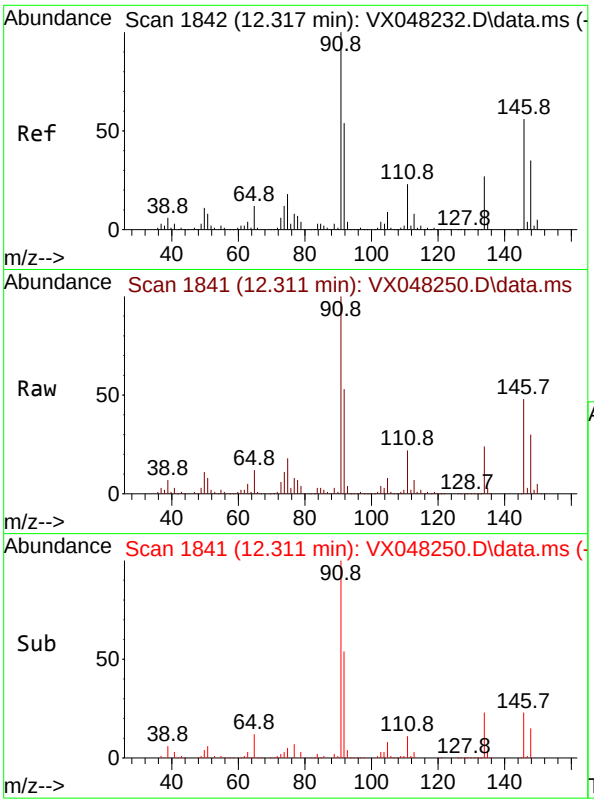




#88
1,4-Dichlorobenzene
Concen: 37.584 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:146 Resp: 150187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 20.1 | 60.2 |
| 148 | 63.3 | 31.8 | 95.3 |



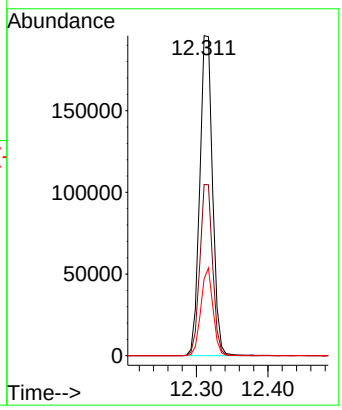


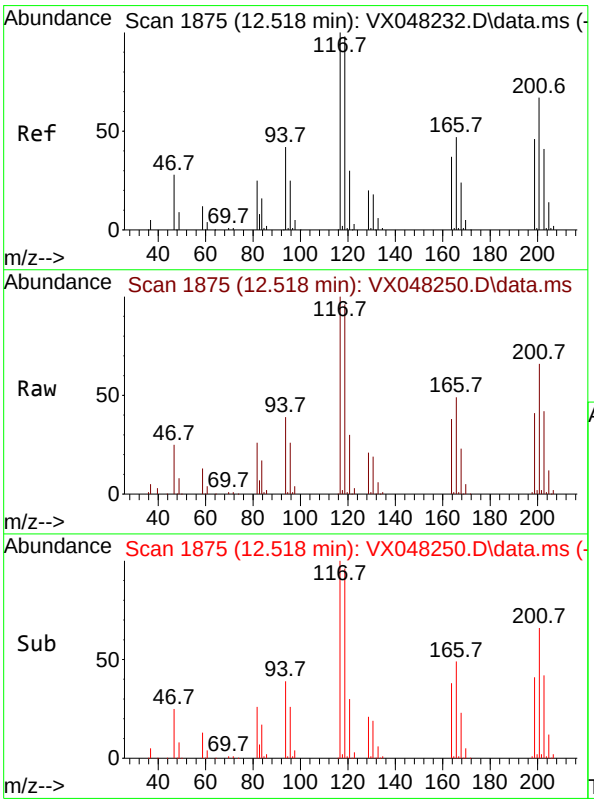

#89
n-Butylbenzene
Concen: 37.088 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 243576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.4 | 26.9 | 80.6 |
| 134 | 25.8 | 12.7 | 38.1 |

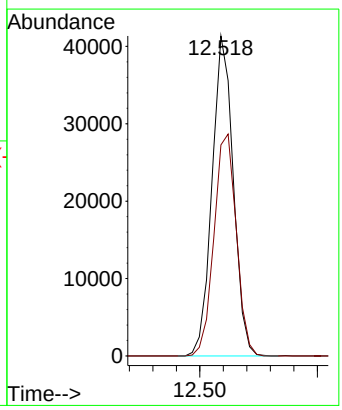


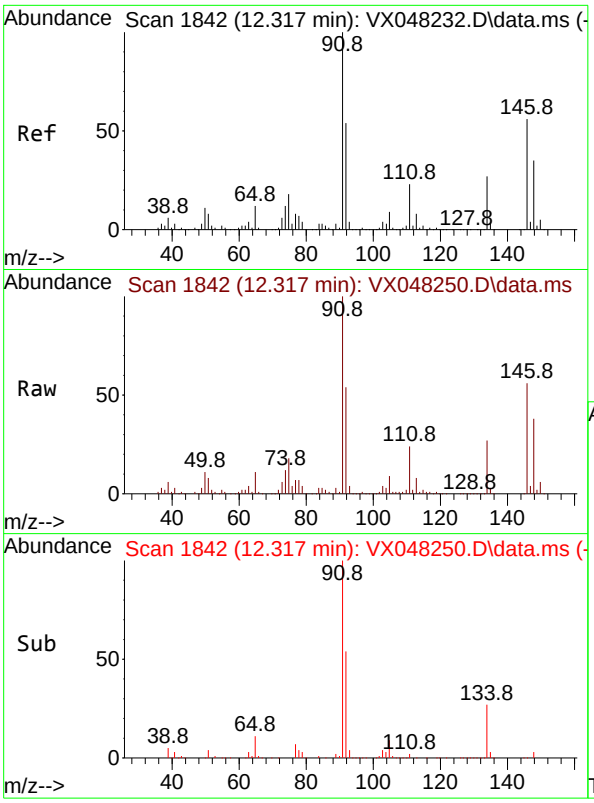




#90
Hexachloroethane
Concen: 36.415 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:117 Resp: 51888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.9 | 34.1 | 102.2 |



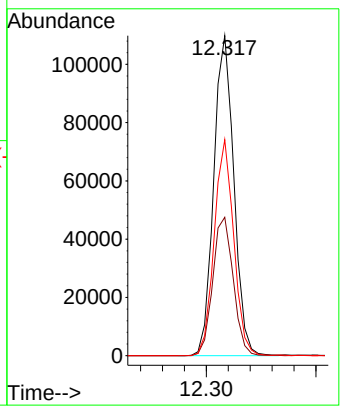


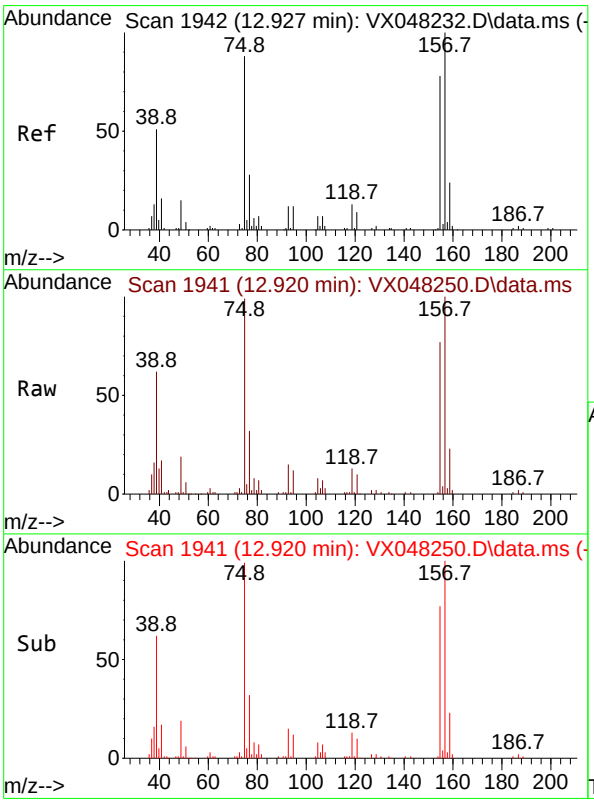

#91
1,2-Dichlorobenzene
Concen: 38.670 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 140047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.0 | 21.9 | 65.5 |
| 148 | 65.7 | 31.9 | 95.5 |

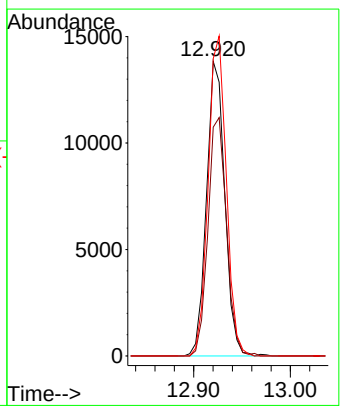


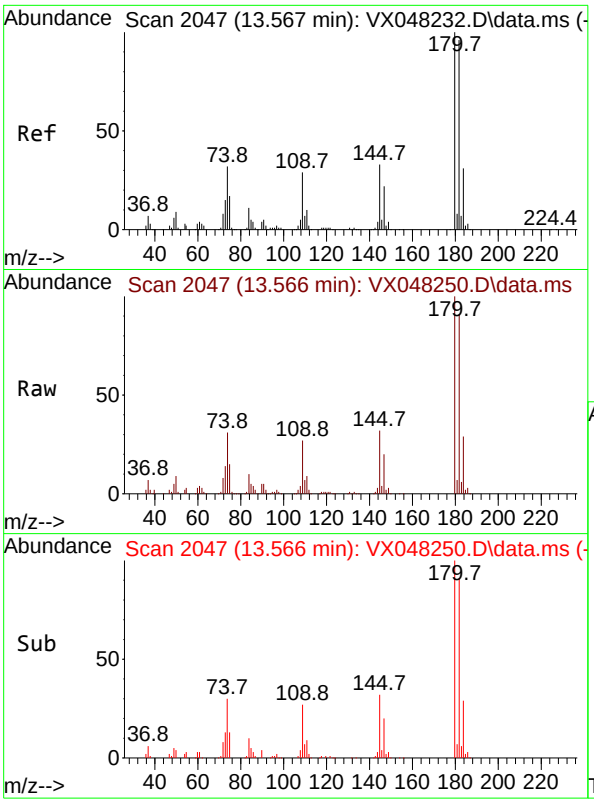




#92
1,2-Dibromo-3-Chloropropane
Concen: 40.157 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion: 75 Resp: 18165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.2 | 42.8 | 128.4 |
| 157 | 107.8 | 54.2 | 162.6 |



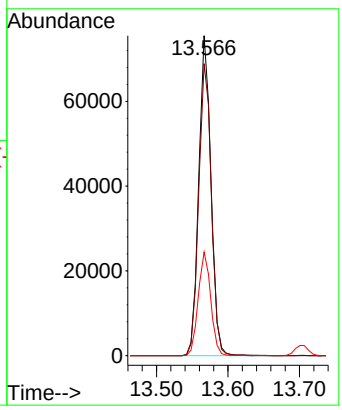


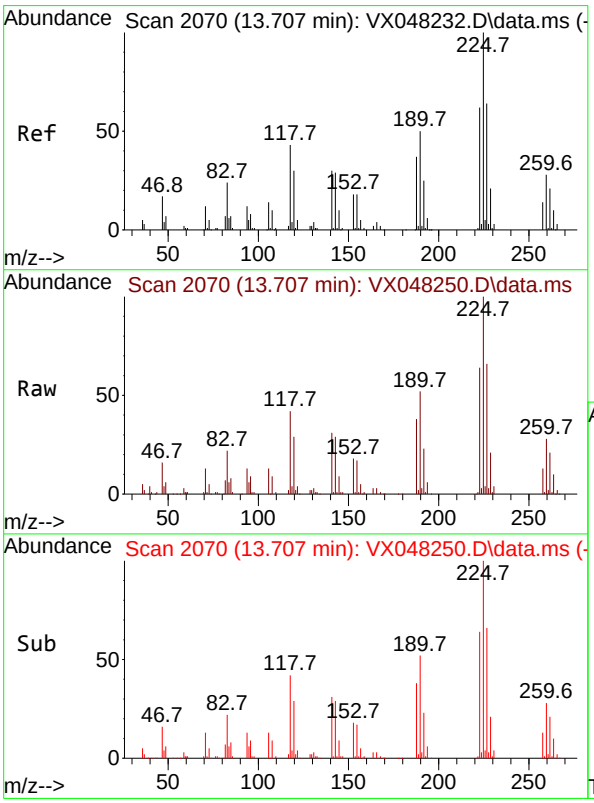

#93
1,2,4-Trichlorobenzene
Concen: 36.492 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 89376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 47.3 | 142.0 |
| 145 | 33.2 | 16.3 | 48.9 |

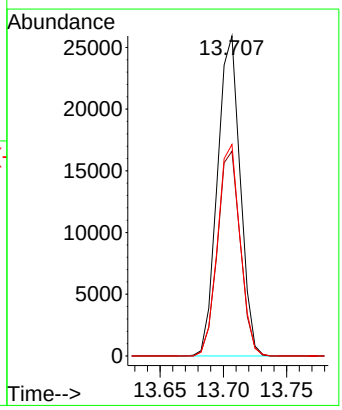


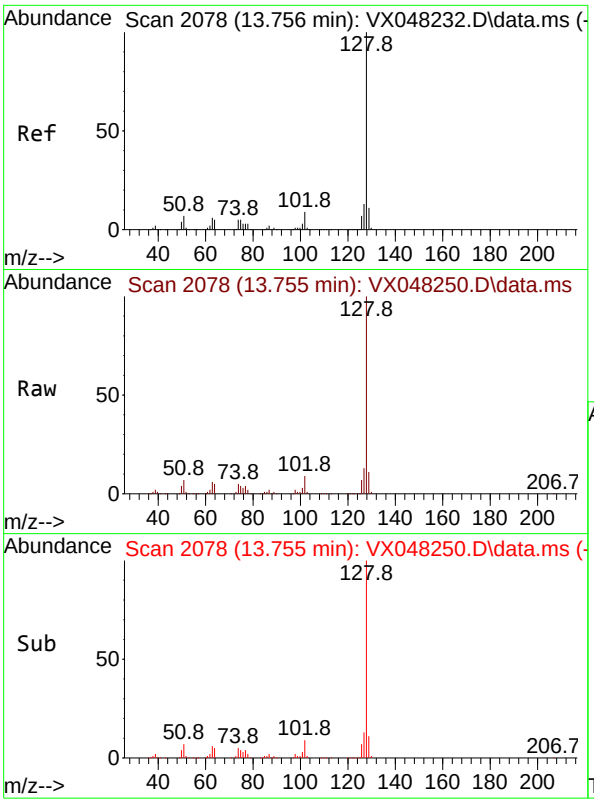




#94
Hexachlorobutadiene
Concen: 35.315 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:225 Resp: 32393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 32.6 | 97.7 |
| 227 | 65.4 | 32.5 | 97.4 |



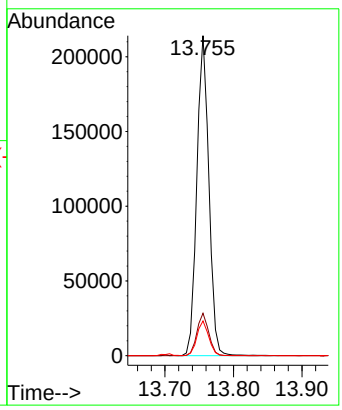


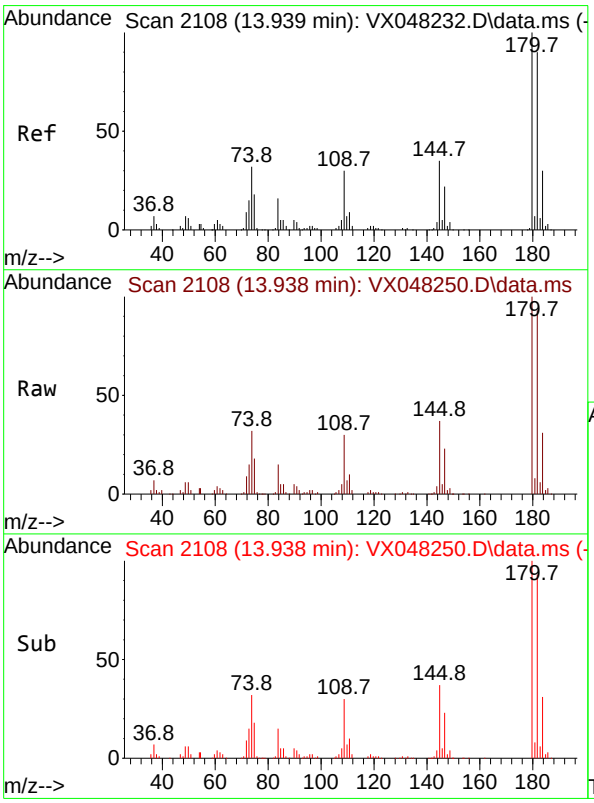

#95
Naphthalene
Concen: 40.307 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 261541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.2 | 15.4 |
| 129 | 10.7 | 8.6 | 12.8 |

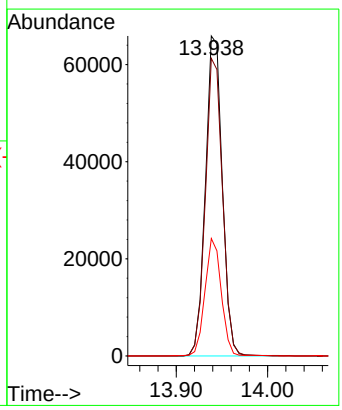



#96
1,2,3-Trichlorobenzene
Concen: 37.421 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048250.D
Acq: 20 Oct 2025 19:25

Tgt Ion:180 Resp: 84101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 46.6 | 139.7 |
| 145 | 35.7 | 16.9 | 50.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.531 | 168 | 144122 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.738 | 114 | 227103 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 197016 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 96991 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 94847 | 46.938 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 93.880% | | | |
| 35) Dibromofluoromethane | 5.361 | 113 | 77279 | 49.844 | ug/l | -0.01 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.680% | | | |
| 50) Toluene-d8 | 8.628 | 98 | 261228 | 48.070 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 96.140% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 95248 | 46.072 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 92.140% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 71433 | 48.214 | ug/l | 96 |
| 3) Chloromethane | 1.300 | 50 | 67413 | 48.746 | ug/l | 98 |
| 4) Vinyl Chloride | 1.380 | 62 | 64624 | 50.463 | ug/l | 99 |
| 5) Bromomethane | 1.617 | 94 | 43146 | 49.645 | ug/l | 97 |
| 6) Chloroethane | 1.697 | 64 | 37653 | 50.036 | ug/l | 90 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 117120 | 47.687 | ug/l | 99 |
| 8) Diethyl Ether | 2.129 | 74 | 32474 | 46.991 | ug/l | 90 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 73938 | 47.541 | ug/l | 96 |
| 10) Methyl Iodide | 2.453 | 142 | 89481 | 45.766 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.934 | 59 | 34686 | 172.886 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 71745 | 47.416 | ug/l | 88 |
| 13) Acrolein | 2.233 | 56 | 55830 | 272.848 | ug/l | 99 |
| 14) Allyl chloride | 2.666 | 41 | 114538 | 45.594 | ug/l | 97 |
| 15) Acrylonitrile | 3.050 | 53 | 152721 | 211.101 | ug/l | 99 |
| 16) Acetone | 2.367 | 43 | 166093 | 239.598 | ug/l | 95 |
| 17) Carbon Disulfide | 2.514 | 76 | 207386 | 43.489 | ug/l | 100 |
| 18) Methyl Acetate | 2.696 | 43 | 59246 | 40.924 | ug/l | 94 |
| 19) Methyl tert-butyl Ether | 3.099 | 73 | 227127 | 44.001 | ug/l | 97 |
| 20) Methylene Chloride | 2.788 | 84 | 80164 | 47.460 | ug/l | 92 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 77587 | 46.681 | ug/l | 97 |
| 22) Diisopropyl ether | 3.745 | 45 | 232684 | 46.439 | ug/l | 95 |
| 23) Vinyl Acetate | 3.708 | 43 | 904806 | 226.065 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 137234 | 45.296 | ug/l | 99 |
| 25) 2-Butanone | 4.531 | 43 | 187588 | 213.793 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.458 | 77 | 122921 | 44.950 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.471 | 96 | 87886 | 45.309 | ug/l | 98 |
| 28) Bromochloromethane | 4.879 | 49 | 62707 | 49.917 | ug/l | 86 |
| 29) Tetrahydrofuran | 4.983 | 42 | 100043 | 190.379 | ug/l | 93 |
| 30) Chloroform | 5.074 | 83 | 145033 | 44.807 | ug/l | 98 |
| 31) Cyclohexane | 5.452 | 56 | 113590 | 45.286 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.361 | 97 | 132637 | 44.462 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.672 | 75 | 97868 | 44.412 | ug/l | 100 |
| 37) Ethyl Acetate | 4.690 | 43 | 73825 | 40.418 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.659 | 117 | 120960 | 44.491 | ug/l | 96 |
| 39) Methylcyclohexane | 7.360 | 83 | 115804 | 44.497 | ug/l | 95 |
| 40) Benzene | 6.013 | 78 | 290616 | 45.424 | ug/l | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.891 | 41 | 40965 | 42.707 ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.062 | 62 | 105747 | 44.791 ug/l | | 99 |
| 43) Isopropyl Acetate | 6.318 | 43 | 122589 | 40.859 ug/l | | 95 |
| 44) Trichloroethene | 7.104 | 130 | 76506 | 45.286 ug/l | | 92 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 69342 | 45.586 ug/l | | 100 |
| 46) Dibromomethane | 7.561 | 93 | 52913 | 44.649 ug/l | | 94 |
| 47) Bromodichloromethane | 7.799 | 83 | 115823 | 45.265 ug/l | | 98 |
| 48) Methyl methacrylate | 7.671 | 41 | 62073 | 41.000 ug/l | | 94 |
| 49) 1,4-Dioxane | 7.641 | 88 | 15658 | 782.834 ug/l | | 92 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 343412 | 198.518 ug/l | | 95 |
| 52) Toluene | 8.701 | 92 | 180638 | 44.443 ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.957 | 75 | 111868 | 45.367 ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 120247 | 45.199 ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 66141 | 43.758 ug/l | | 99 |
| 56) Ethyl methacrylate | 9.098 | 69 | 94033 | 42.533 ug/l | | 94 |
| 57) 1,3-Dichloropropane | 9.287 | 76 | 112894 | 43.726 ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.220 | 63 | 253467 | 213.469 ug/l | | 95 |
| 59) 2-Hexanone | 9.409 | 43 | 257988 | 213.881 ug/l | | 95 |
| 60) Dibromochloromethane | 9.500 | 129 | 88005 | 43.319 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 69657 | 43.228 ug/l | | 98 |
| 64) Tetrachloroethene | 9.256 | 164 | 64080 | 43.569 ug/l | | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 201952 | 45.568 ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.140 | 131 | 73602 | 45.215 ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 342357 | 45.371 ug/l | | 98 |
| 68) m/p-Xylenes | 10.280 | 106 | 262482 | 93.624 ug/l | | 98 |
| 69) o-Xylene | 10.622 | 106 | 123116 | 45.486 ug/l | | 98 |
| 70) Styrene | 10.634 | 104 | 218038 | 47.309 ug/l | | 100 |
| 71) Bromoform | 10.780 | 173 | 55833 | 42.915 ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 327700 | 46.258 ug/l | | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 104260 | 41.490 ug/l | | 94 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 83168 | 42.990 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 95070 | 60.444 ug/l | | 81 |
| 77) Bromobenzene | 11.177 | 156 | 80981 | 45.589 ug/l | | 94 |
| 78) n-propylbenzene | 11.286 | 91 | 383372 | 46.739 ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 226051 | 45.456 ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 270132 | 46.077 ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 27826 | 43.041 ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 271398 | 45.973 ug/l | | 98 |
| 83) tert-Butylbenzene | 11.695 | 119 | 269543 | 44.748 ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 270636 | 46.257 ug/l | | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 324459 | 44.772 ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.987 | 119 | 278806 | 44.510 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 150857 | 45.050 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 150468 | 43.374 ug/l | | 99 |
| 89) n-Butylbenzene | 12.311 | 91 | 246692 | 43.269 ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 53716 | 43.425 ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 137387 | 43.698 ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 15819 | 40.283 ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.566 | 180 | 85831 | 40.369 ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 32869 | 41.267 ug/l | | 99 |
| 95) Naphthalene | 13.755 | 128 | 233946 | 41.531 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 80863 | 41.446 ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

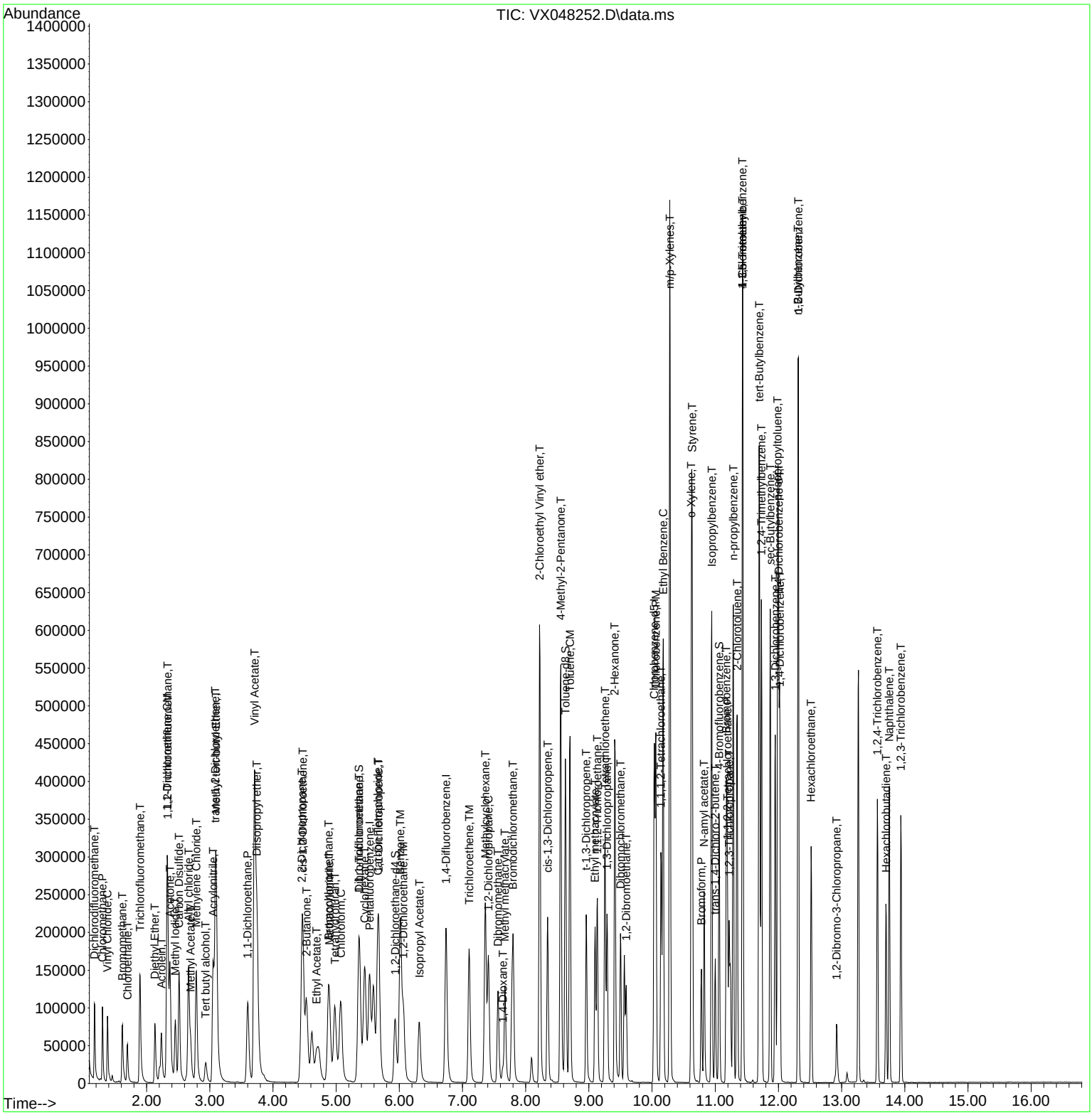
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

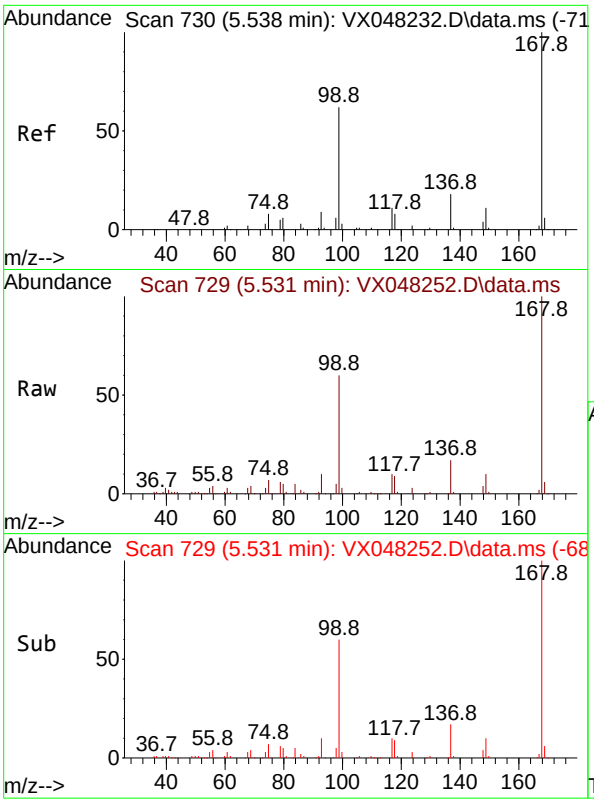
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



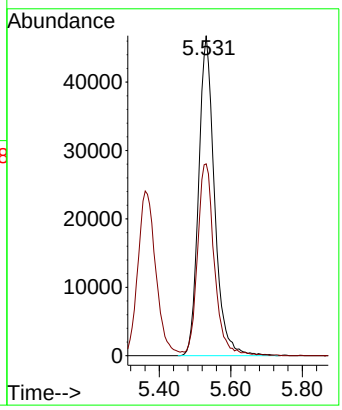


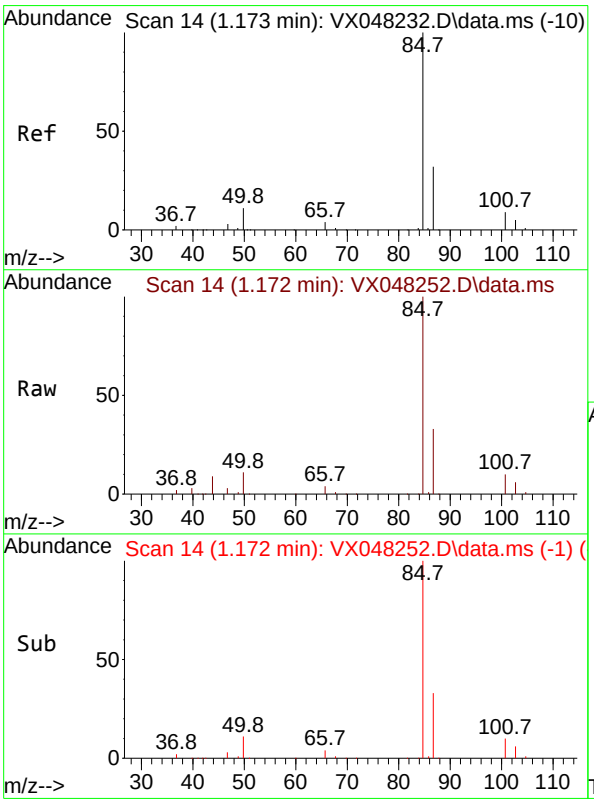

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 144122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.8 | 46.4 | 69.6 |

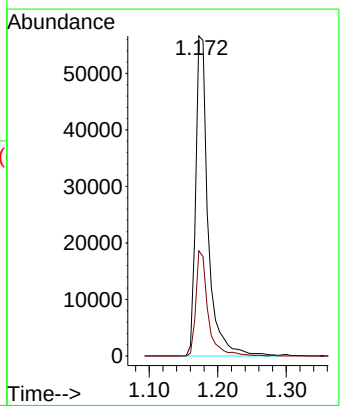


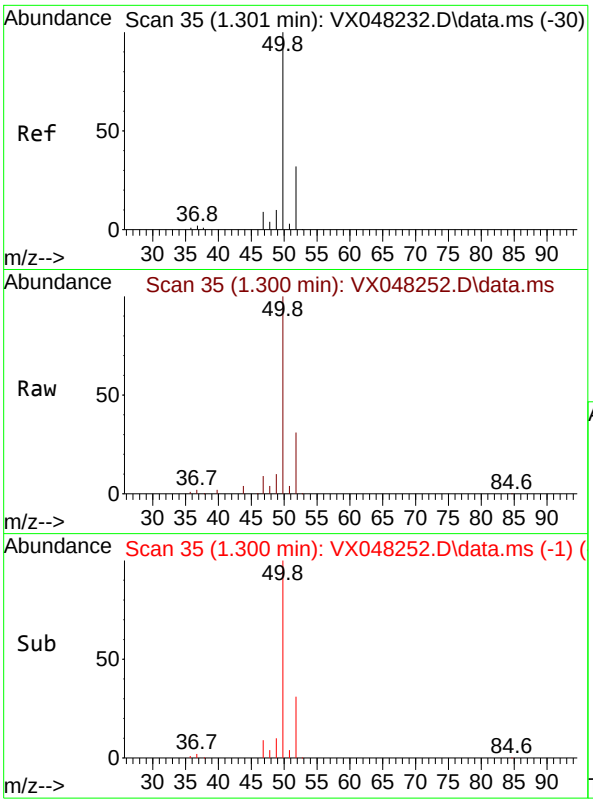




#2
Dichlorodifluoromethane
Concen: 48.214 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 85 Resp: 71433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.9 | 15.3 | 45.9 |



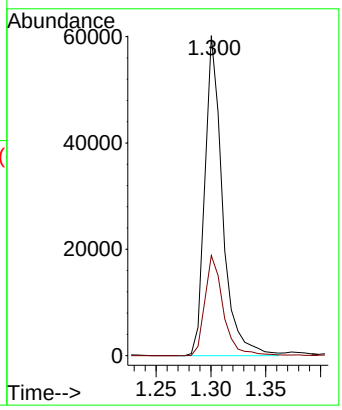


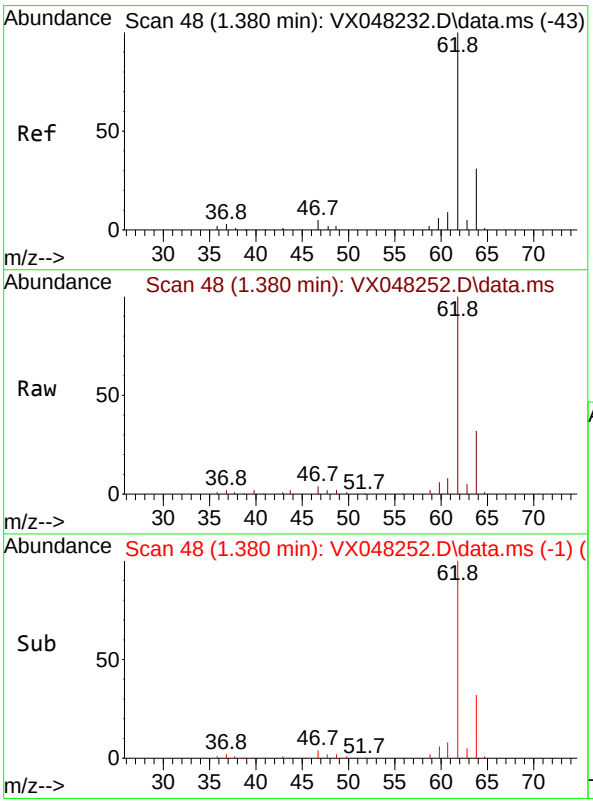

#3
Chloromethane
Concen: 48.746 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 67413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.3 | 25.9 | 38.9 |

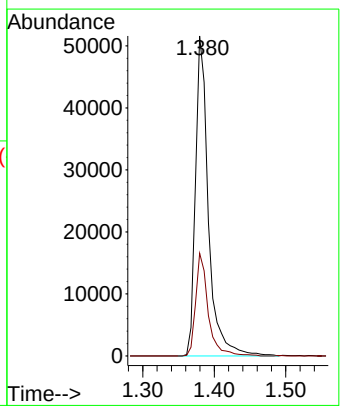


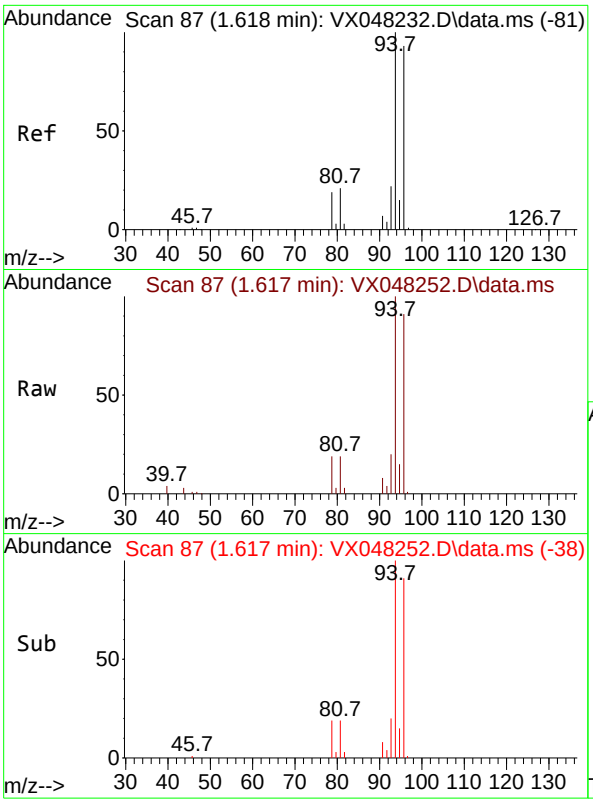




#4
Vinyl Chloride
Concen: 50.463 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 62 Resp: 64624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 25.1 | 37.7 |



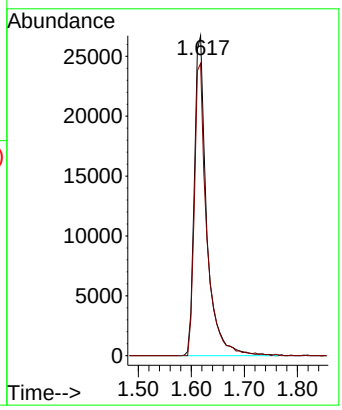


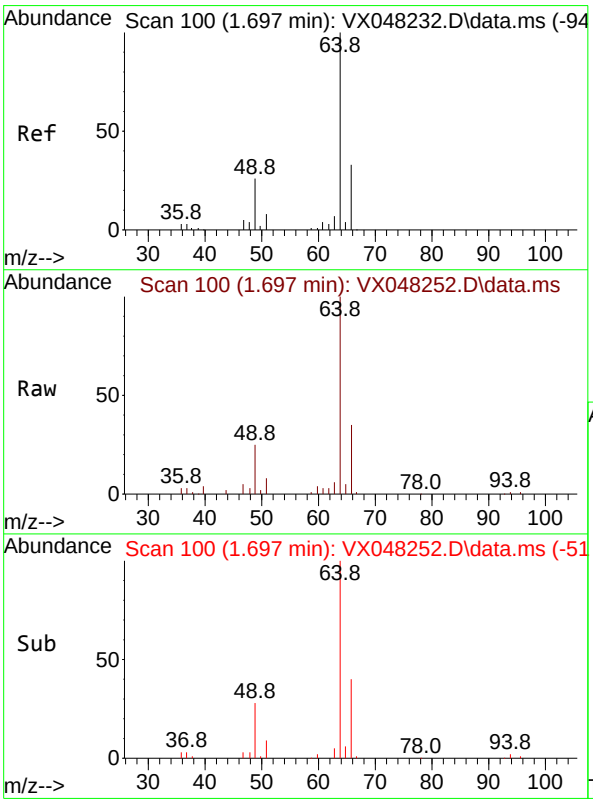

#5
Bromomethane
Concen: 49.645 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 43146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.1 | 76.0 | 114.0 |

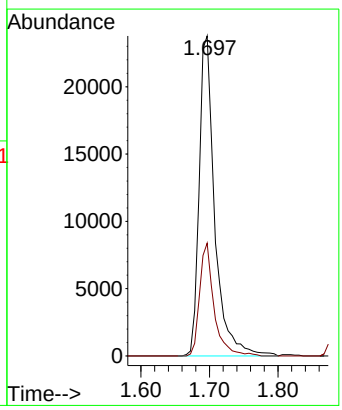


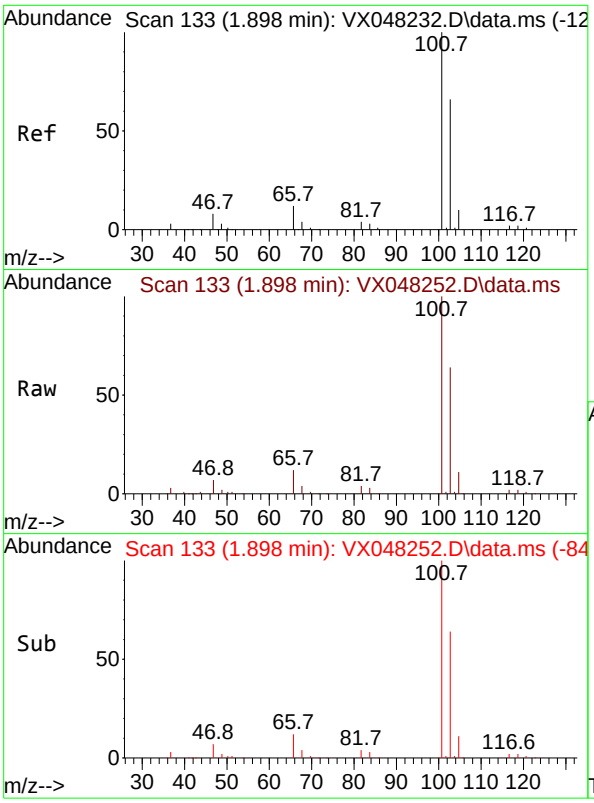




#6
Chloroethane
Concen: 50.036 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 64 Resp: 37653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.2 | 23.9 | 35.9 |



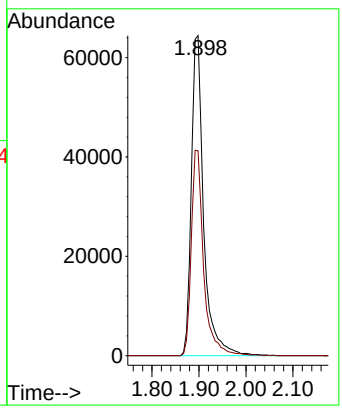


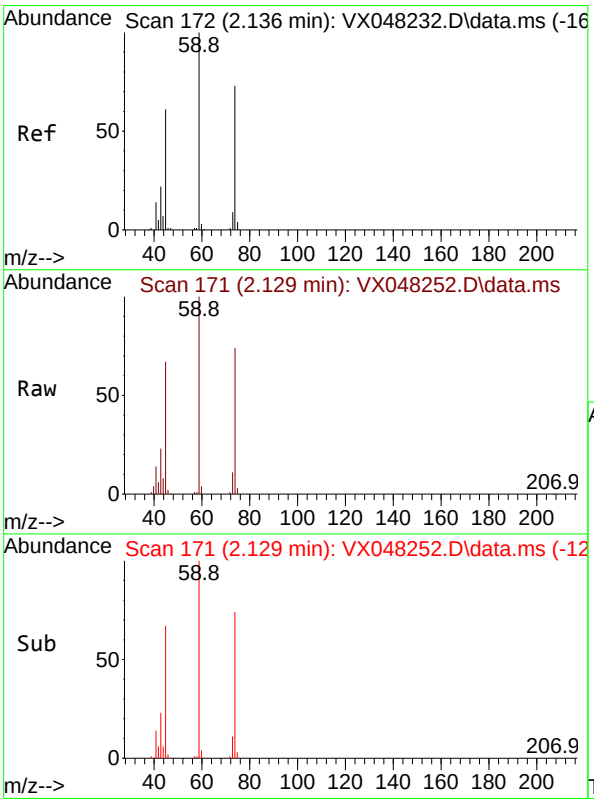

#7
Trichlorofluoromethane
Concen: 47.687 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 117120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.1 | 51.6 | 77.4 |

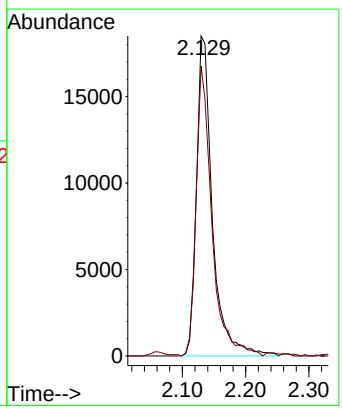


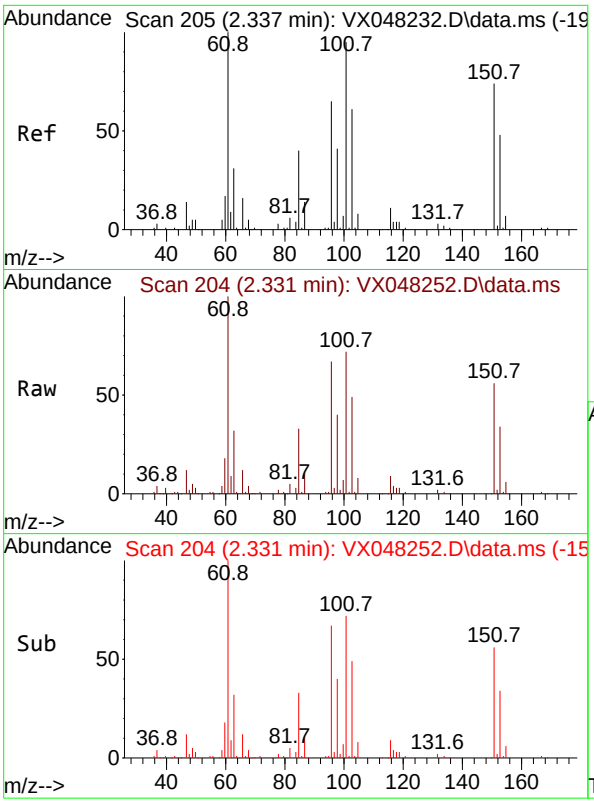




#8
Diethyl Ether
Concen: 46.991 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 74 Resp: 32474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 89.4 | 50.0 | 149.8 |



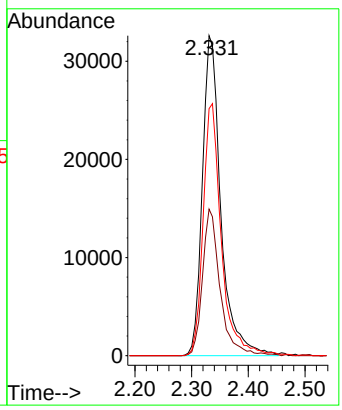


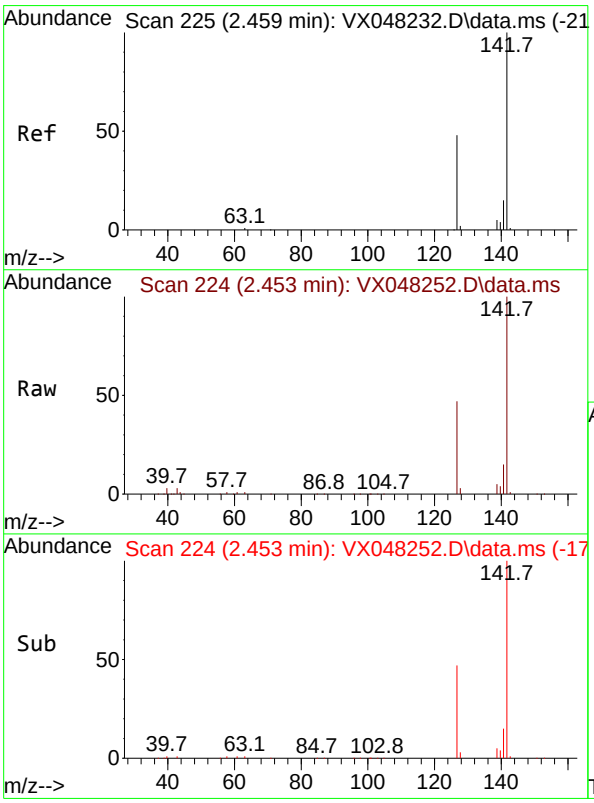

#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.541 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 73938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.8 | 35.6 | 53.4 |
| 151 | 77.9 | 58.0 | 87.0 |

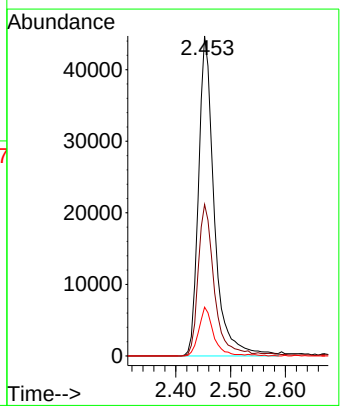


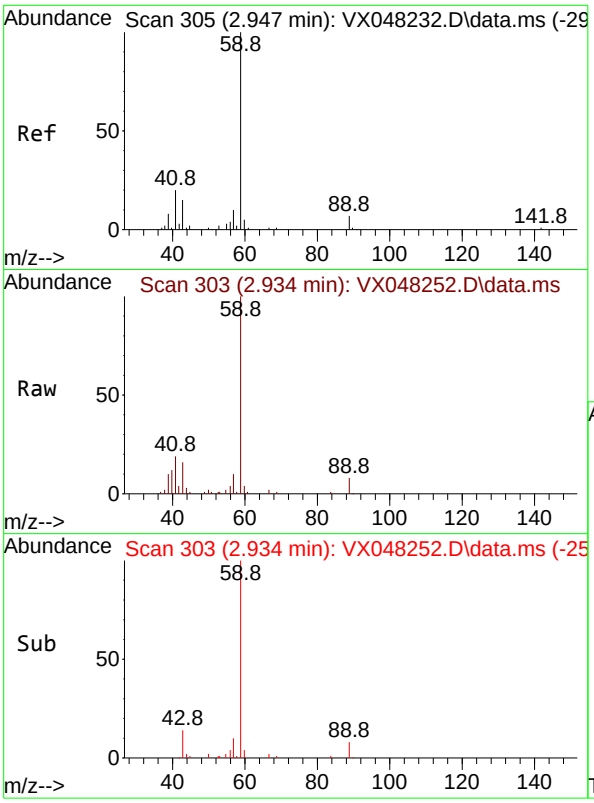




#10
Methyl Iodide
Concen: 45.766 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:142 Resp: 89481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.1 | 38.5 | 57.7 |
| 141 | 14.1 | 11.6 | 17.4 |



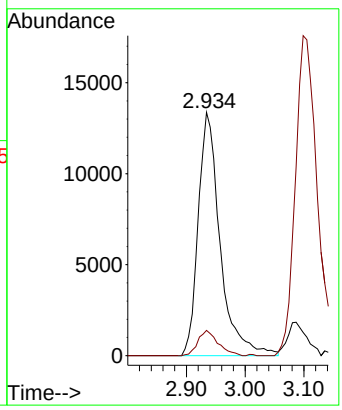


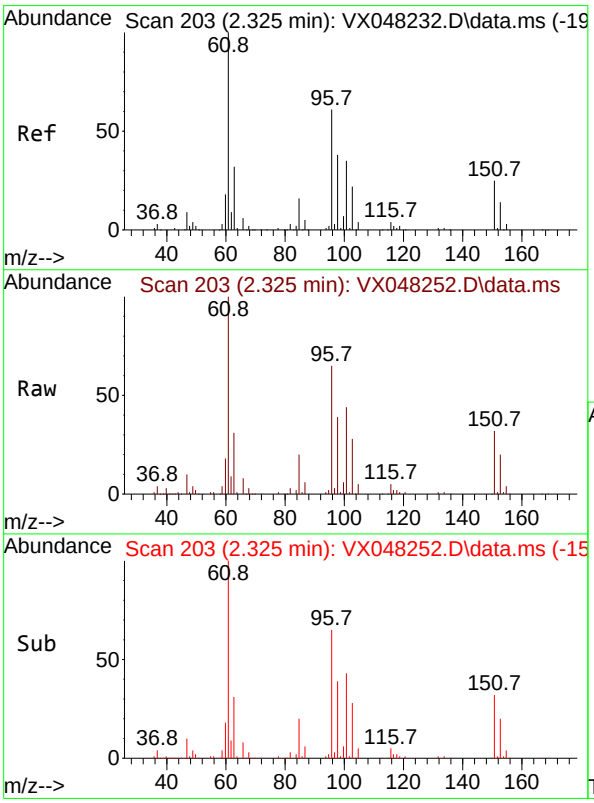

#11
Tert butyl alcohol
Concen: 172.886 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 34686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.6 | 8.2 | 12.4 |

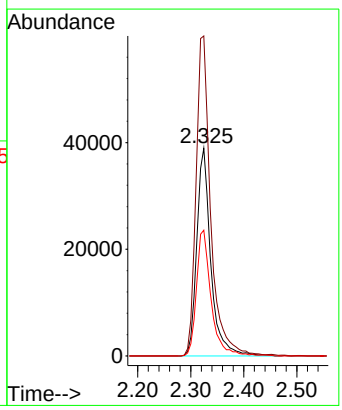


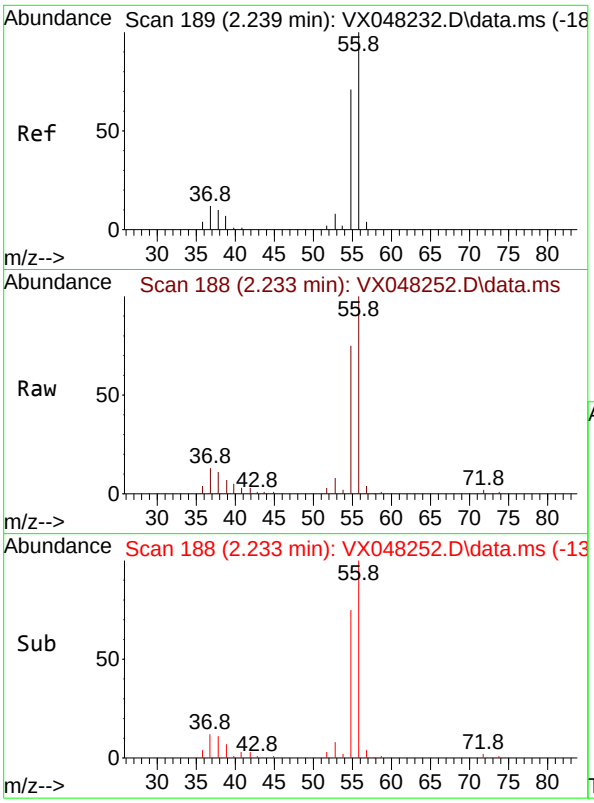




#12
1,1-Dichloroethene
Concen: 47.416 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 96 Resp: 71745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.0 | 139.0 | 208.6 |
| 98 | 60.6 | 52.4 | 78.6 |



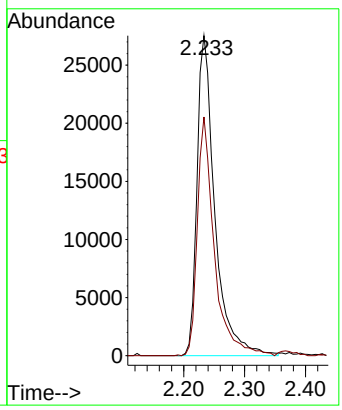


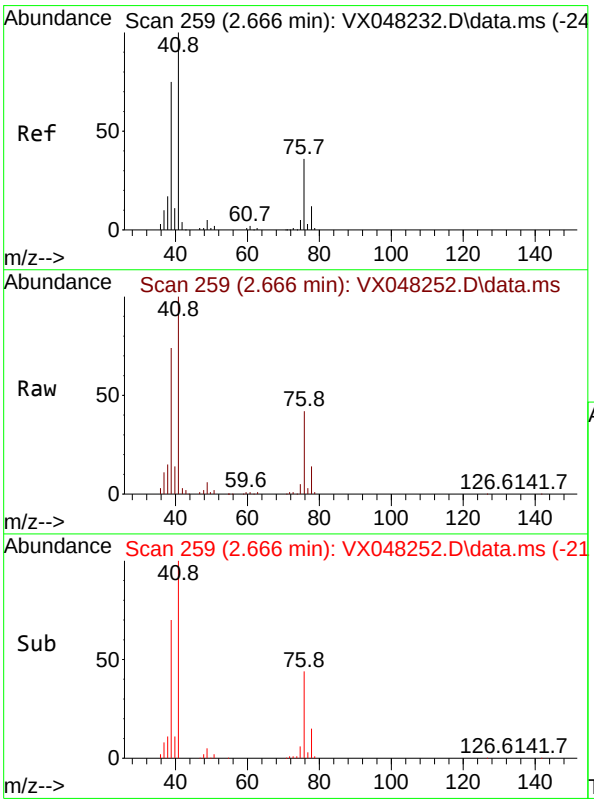

#13
Acrolein
Concen: 272.848 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 55830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.1 | 56.1 | 84.1 |

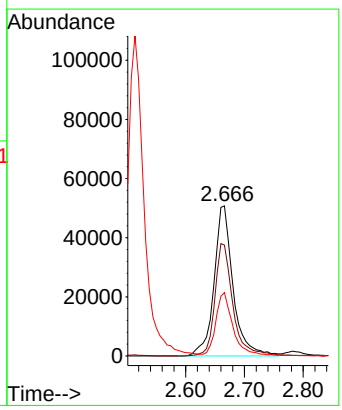


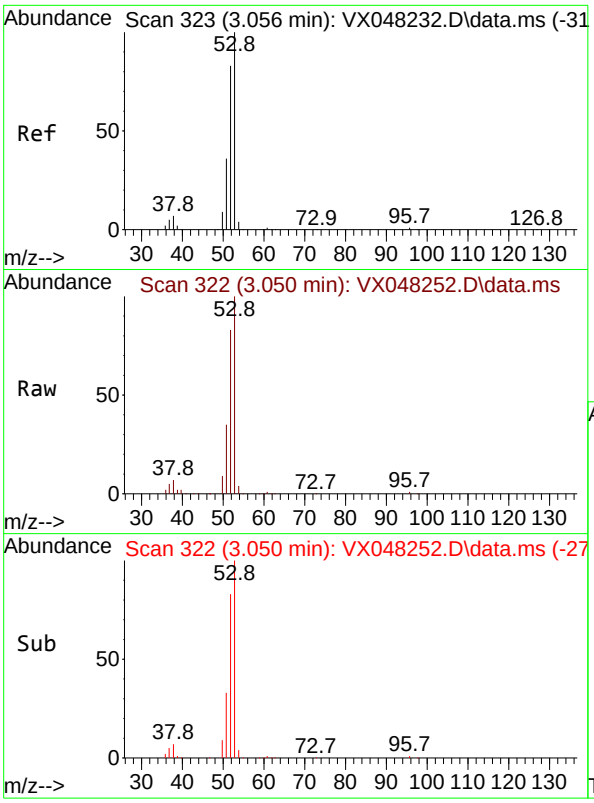




#14
Allyl chloride
Concen: 45.594 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 41 Resp: 114538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.0 | 56.0 | 84.0 |
| 76 | 38.7 | 27.5 | 41.3 |



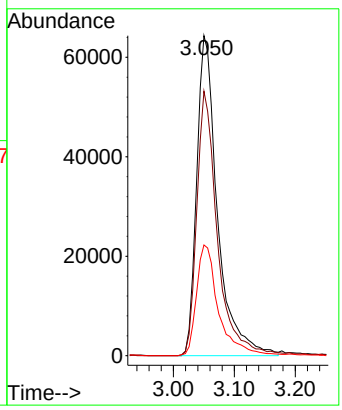


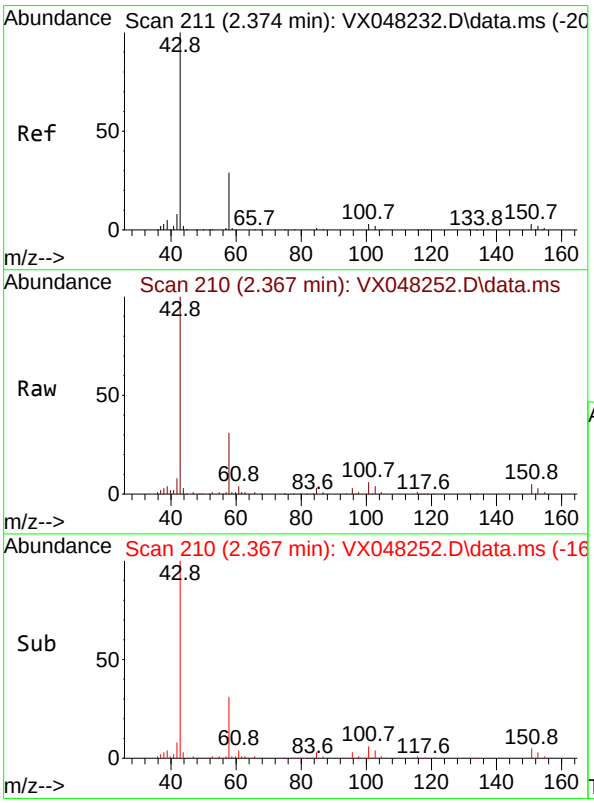

#15
Acrylonitrile
Concen: 211.101 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 152721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.1 | 66.1 | 99.1 |
| 51 | 36.7 | 29.0 | 43.4 |

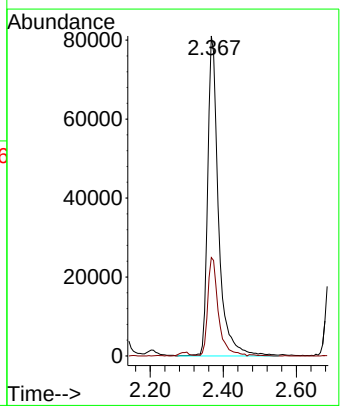


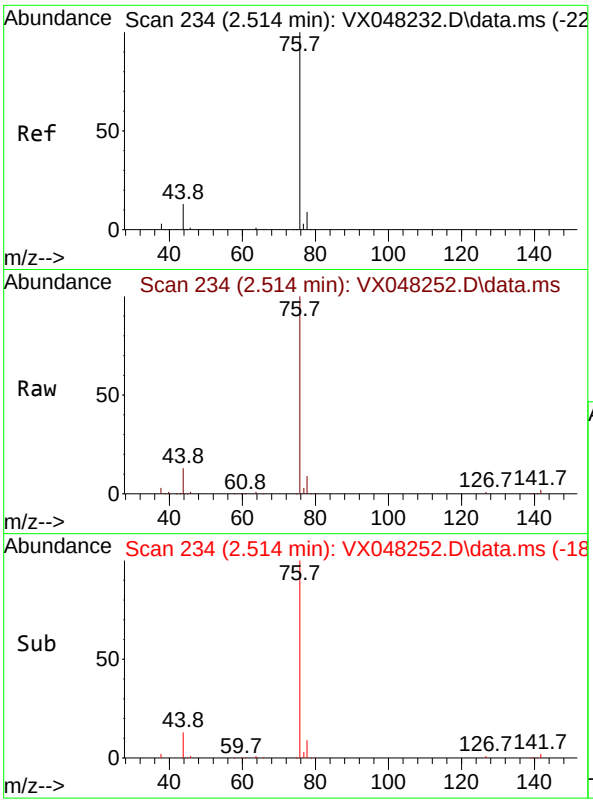




#16
Acetone
Concen: 239.598 ug/l
RT: 2.367 min Scan# 210
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 43 Resp: 166093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.1 | 23.4 | 35.2 |



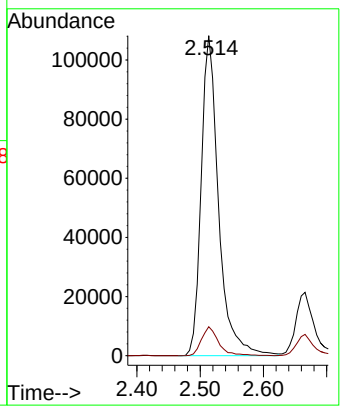


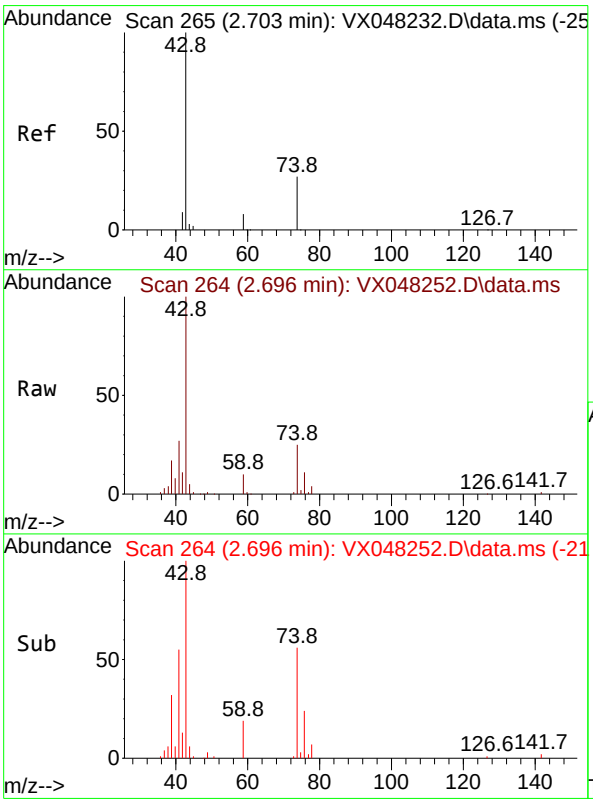

#17
Carbon Disulfide
Concen: 43.489 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 207386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.1 | 10.7 |

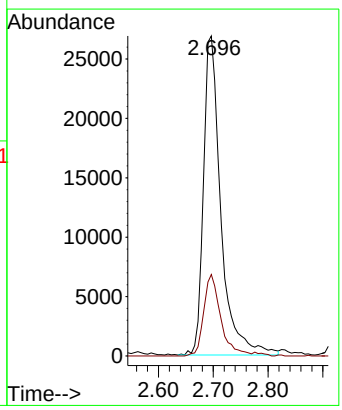


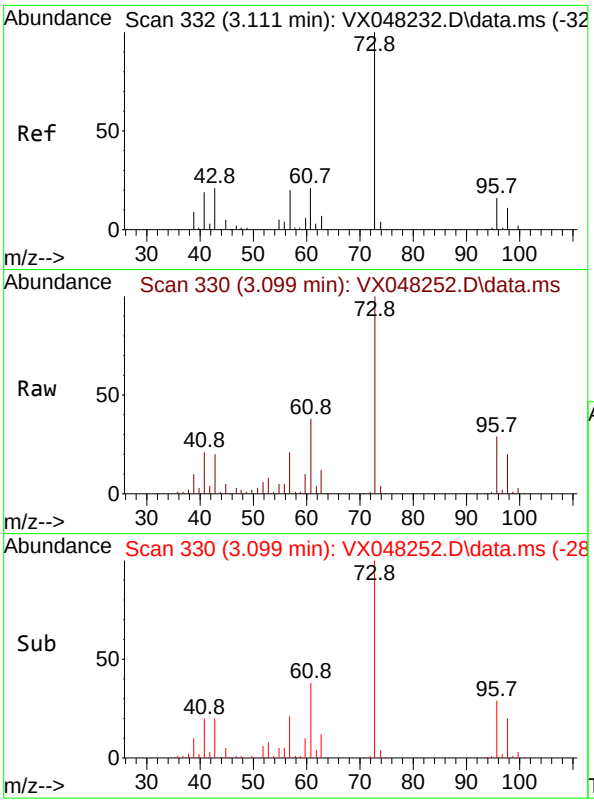




#18
Methyl Acetate
Concen: 40.924 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 43 Resp: 59246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.9 | 17.5 | 26.3 |



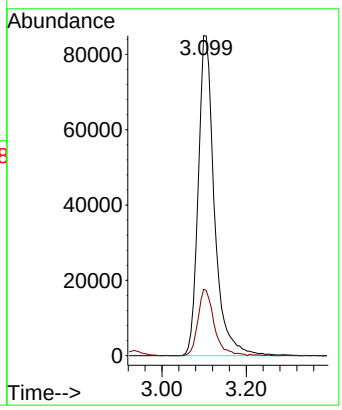


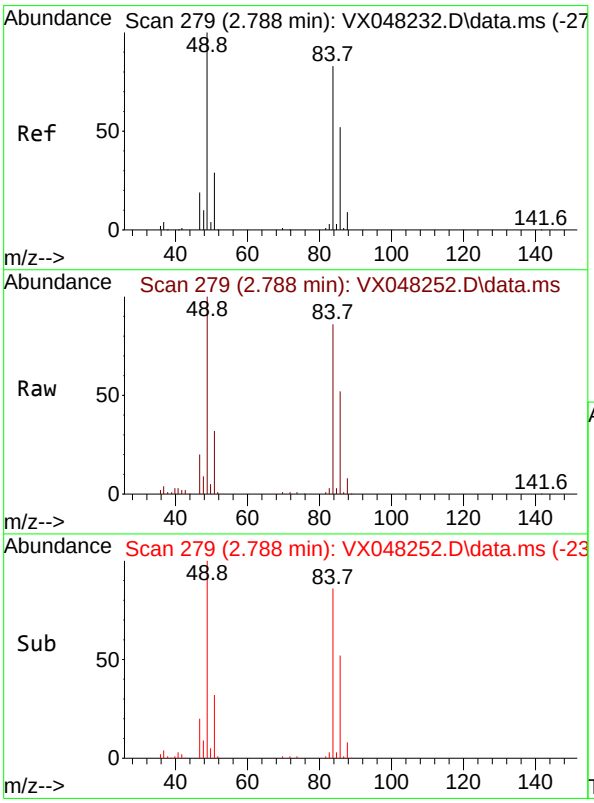

#19
Methyl tert-butyl Ether
Concen: 44.001 ug/l
RT: 3.099 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 227127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.7 | 17.7 | 26.5 |

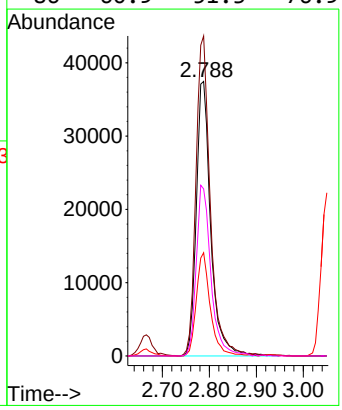


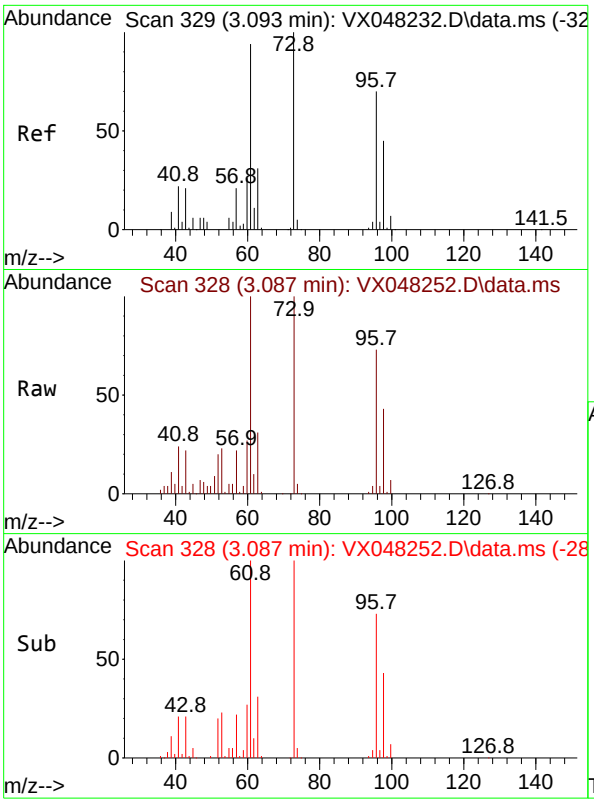




#20
Methylene Chloride
Concen: 47.460 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 84 Resp: 80164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 116.6 | 104.1 | 156.1 |
| 51 | 37.6 | 31.3 | 46.9 |
| 86 | 60.9 | 51.3 | 76.9 |



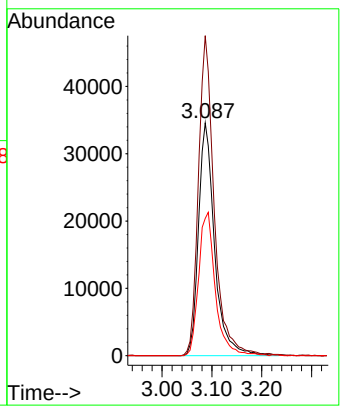


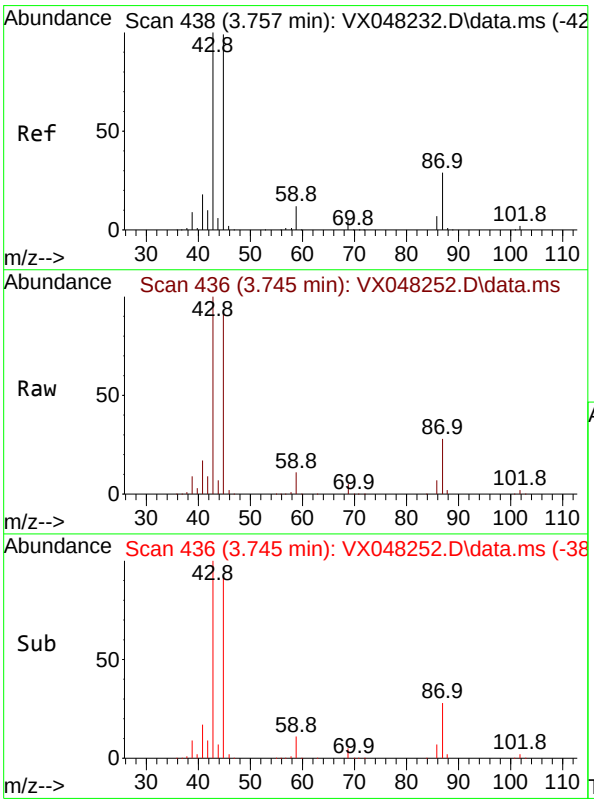

#21
trans-1,2-Dichloroethene
Concen: 46.681 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 77587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.4 | 111.9 | 167.9 |
| 98 | 59.0 | 51.2 | 76.8 |

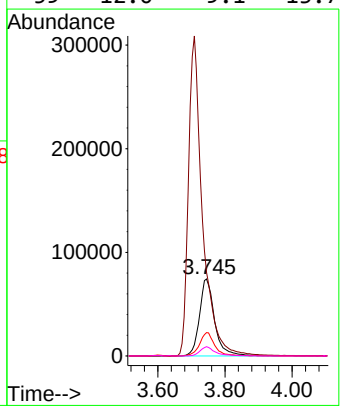


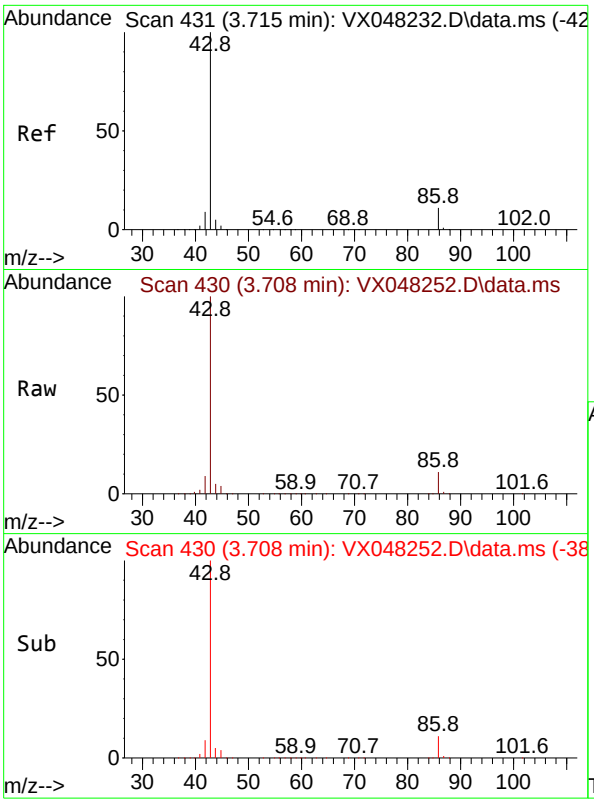




#22
Diisopropyl ether
Concen: 46.439 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 45 Resp: 232684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 107.9 | 89.8 | 134.8 |
| 87 | 30.2 | 20.6 | 31.0 |
| 59 | 12.0 | 9.1 | 13.7 |



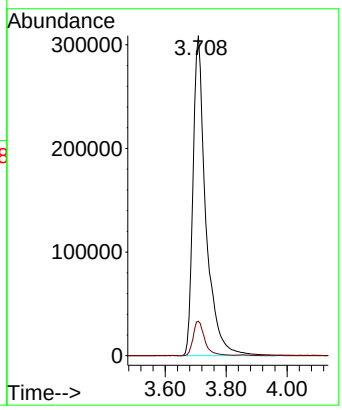


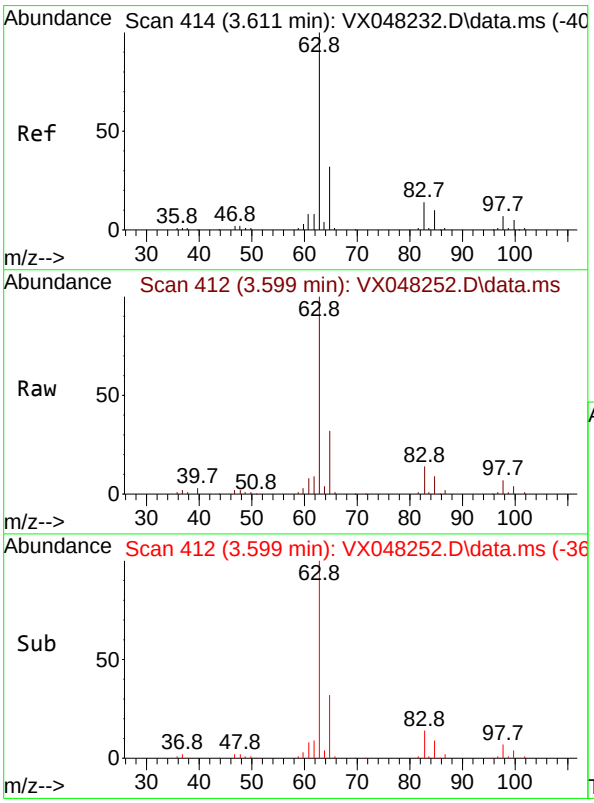

#23
Vinyl Acetate
Concen: 226.065 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 904806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.7 | 7.9 | 11.9 |

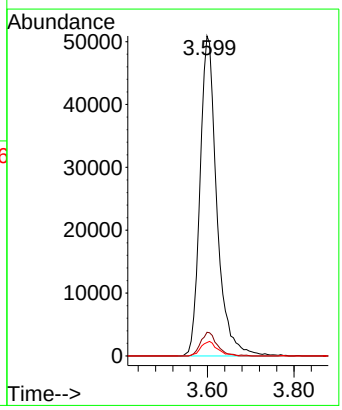


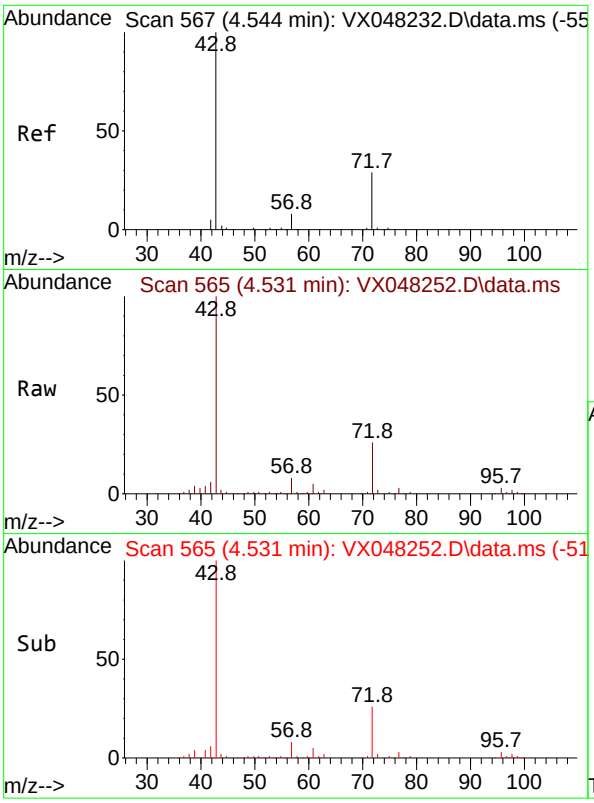




#24
1,1-Dichloroethane
Concen: 45.296 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 63 Resp: 137234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.5 | 10.6 |
| 100 | 4.2 | 2.1 | 6.3 |



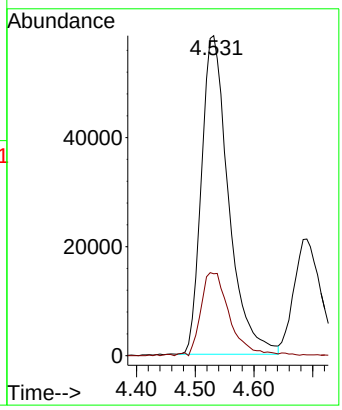


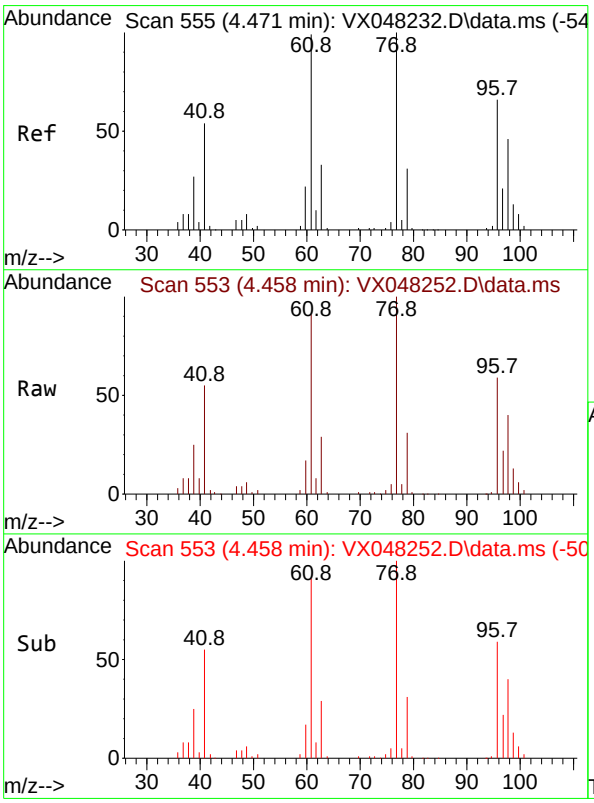

#25
2-Butanone
Concen: 213.793 ug/l
RT: 4.531 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 187588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.7 | 19.9 | 29.9 |

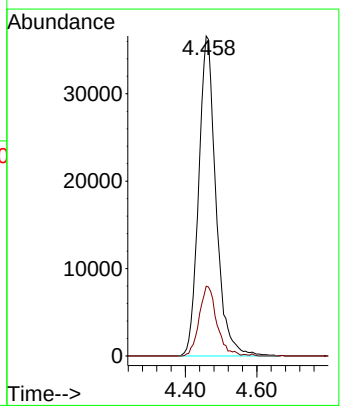


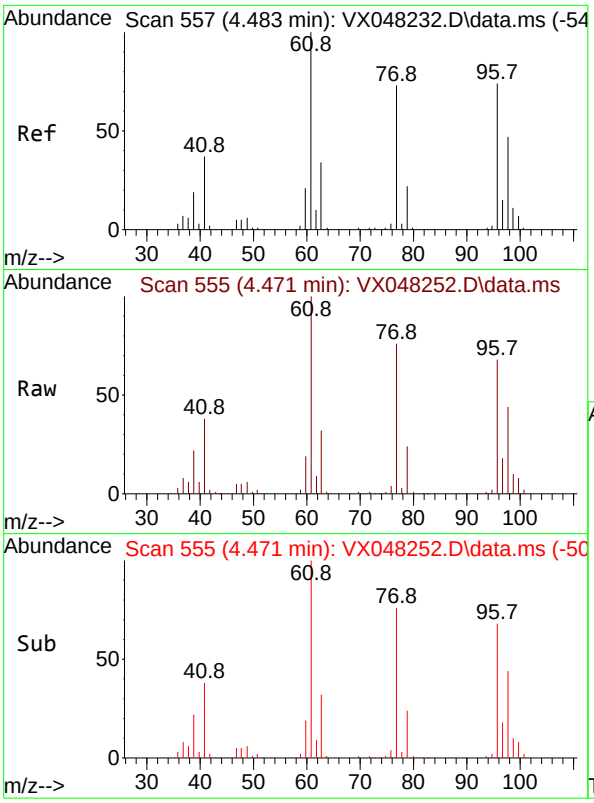




#26
2,2-Dichloropropane
Concen: 44.950 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 77 Resp: 122921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 11.1 | 33.3 |



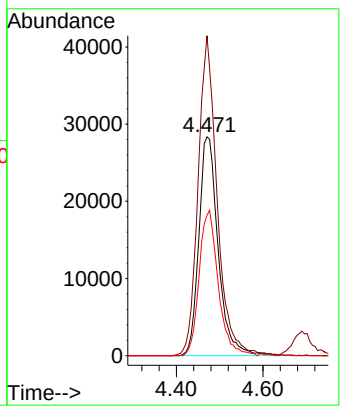


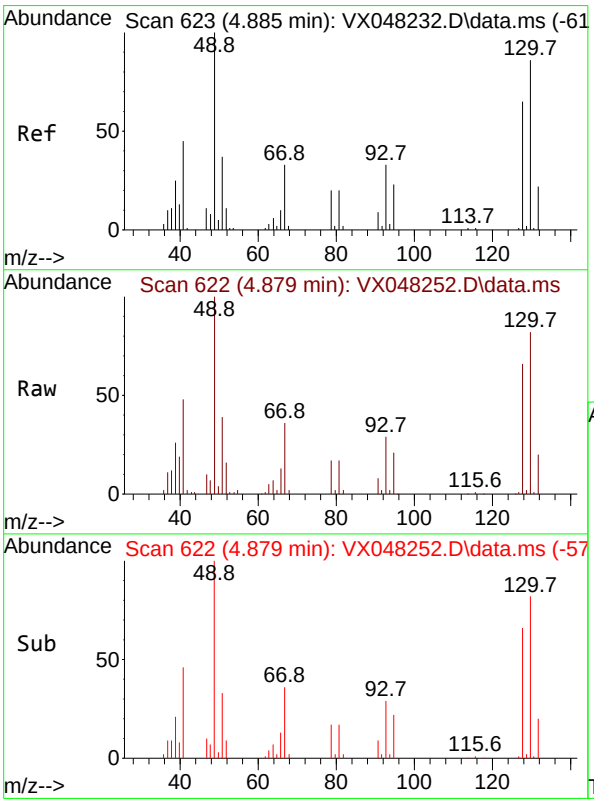

#27
cis-1,2-Dichloroethene
Concen: 45.309 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 87886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.2 | 0.0 | 294.2 |
| 98 | 65.5 | 0.0 | 128.4 |

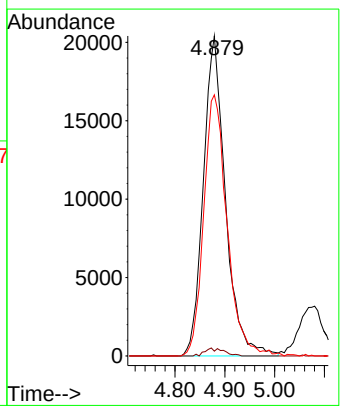


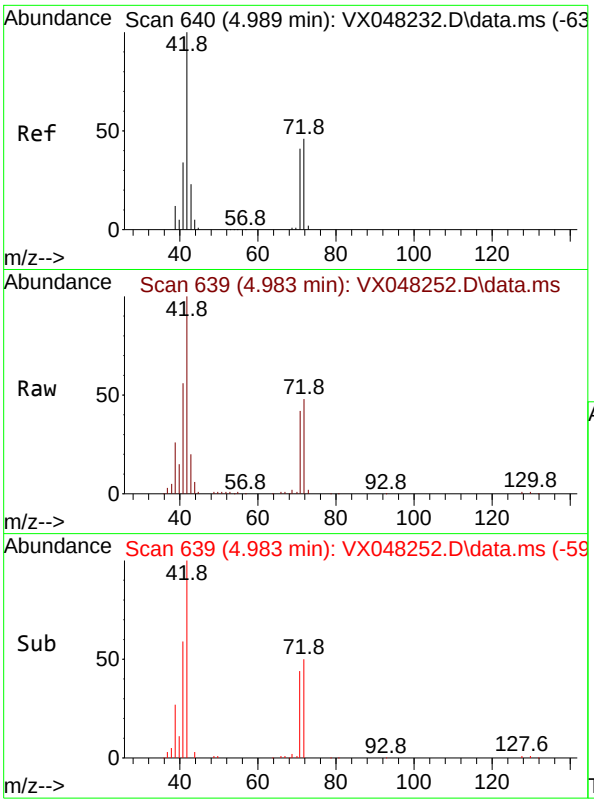




#28
Bromochloromethane
Concen: 49.917 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 49 Resp: 62707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.1 | 0.0 | 4.4 |
| 130 | 86.4 | 59.3 | 88.9 |



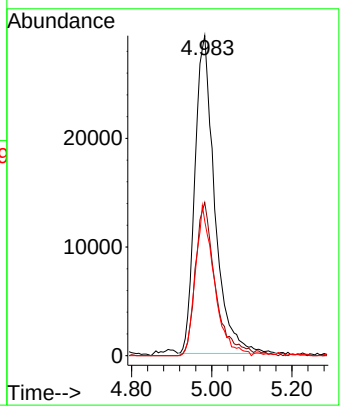


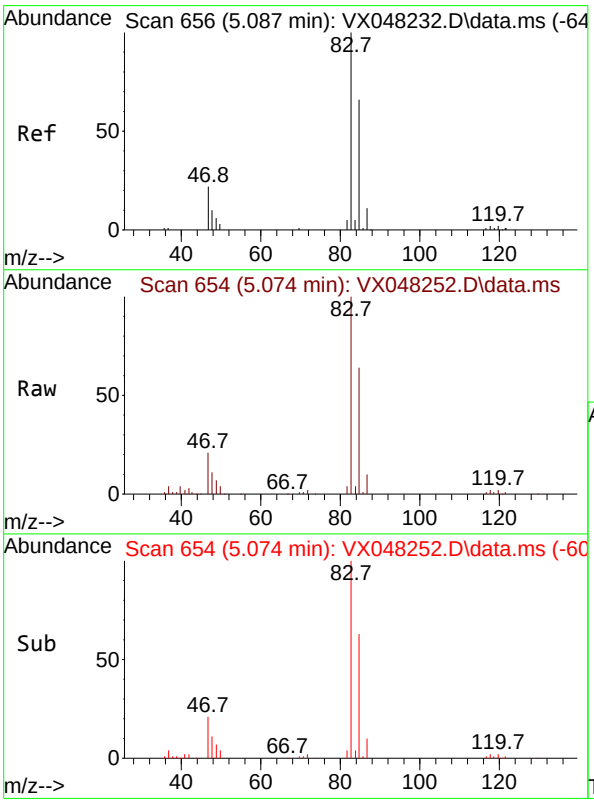

#29
Tetrahydrofuran
Concen: 190.379 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 100043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.5 | 35.3 | 52.9 |
| 71 | 44.9 | 32.2 | 48.4 |

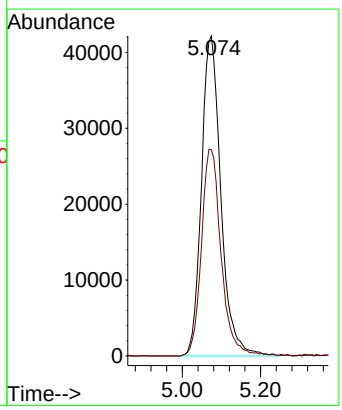


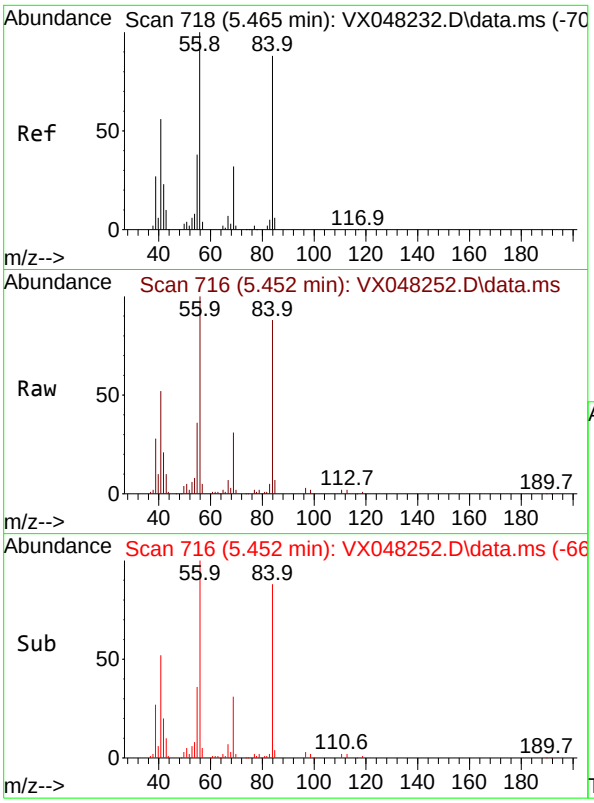




#30
Chloroform
Concen: 44.807 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 83 Resp: 145033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 50.1 | 75.1 |



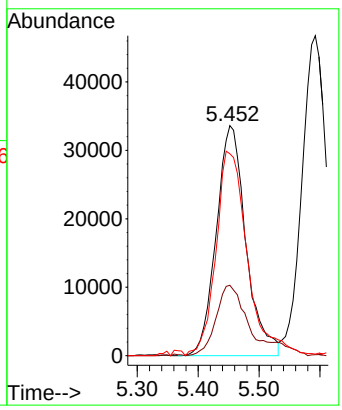


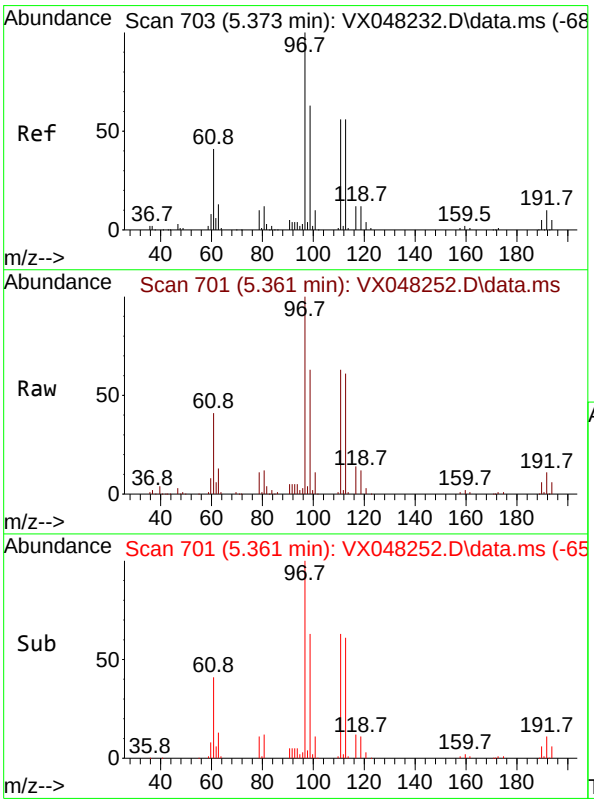

#31
Cyclohexane
Concen: 45.286 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 113590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.2 | 23.0 | 34.6 |
| 84 | 85.6 | 64.6 | 97.0 |

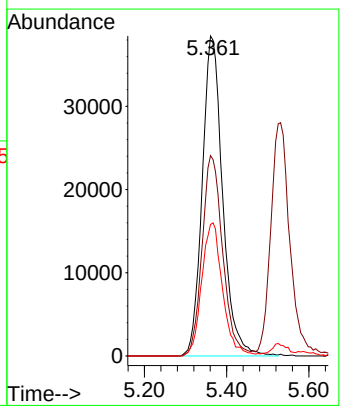


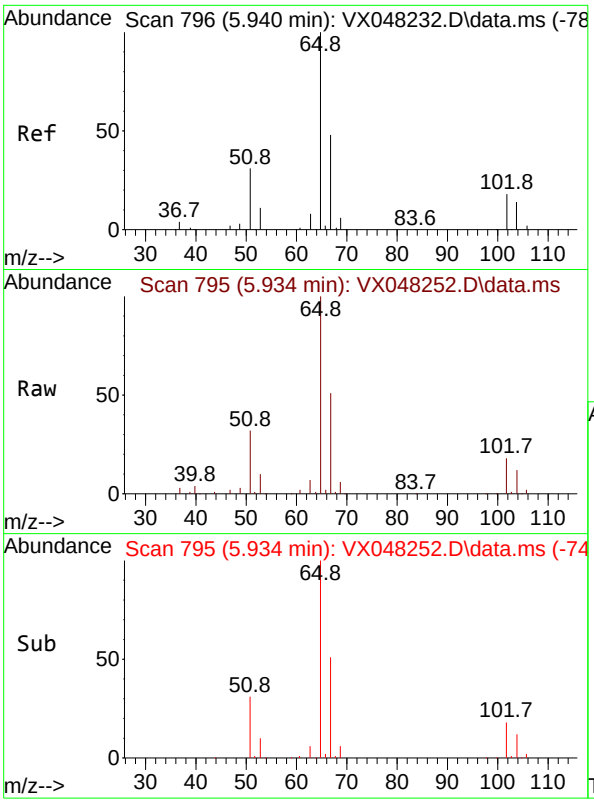




#32
1,1,1-Trichloroethane
Concen: 44.462 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 97 Resp: 132637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.1 | 51.7 | 77.5 |
| 61 | 42.3 | 34.8 | 52.2 |



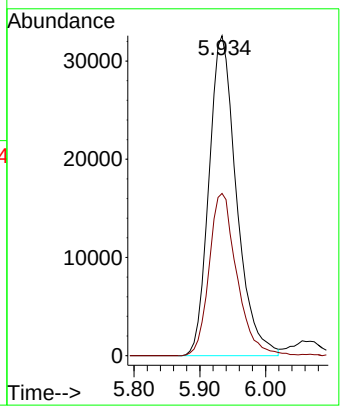


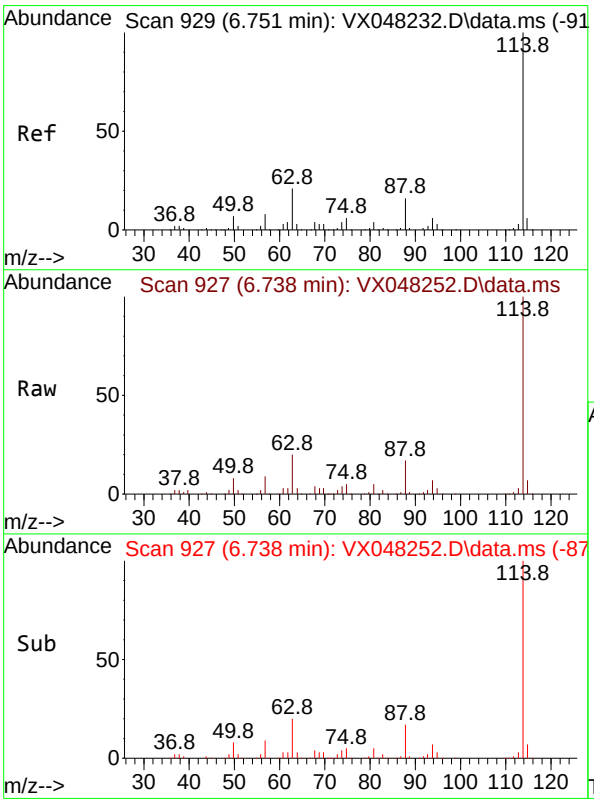

#33
1,2-Dichloroethane-d4
Concen: 46.938 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 94847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 0.0 | 105.0 |

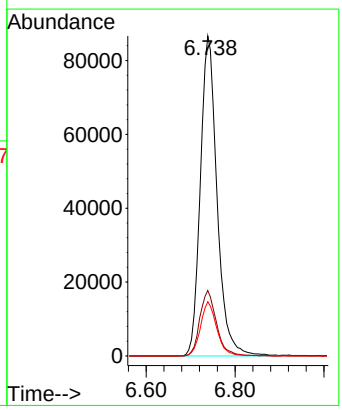


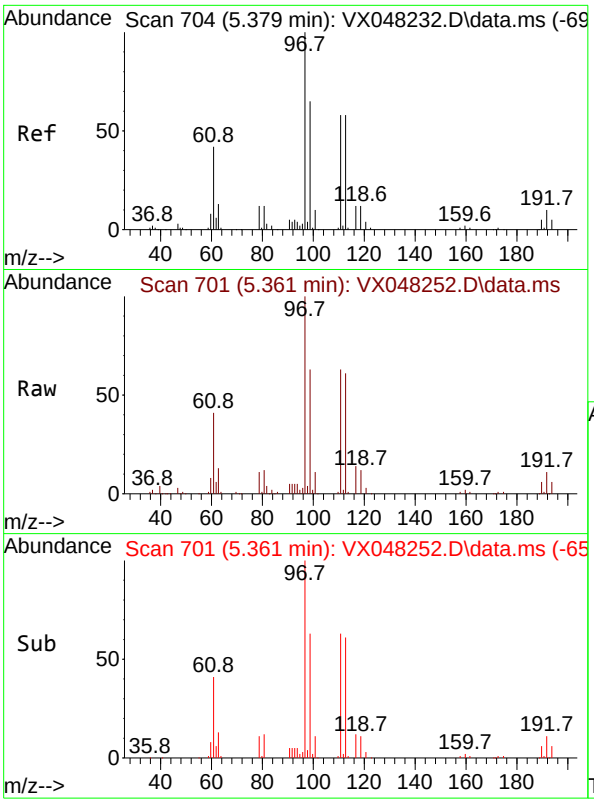




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.007 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:114 Resp: 227103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 43.2 |
| 88 | 16.9 | 0.0 | 33.6 |



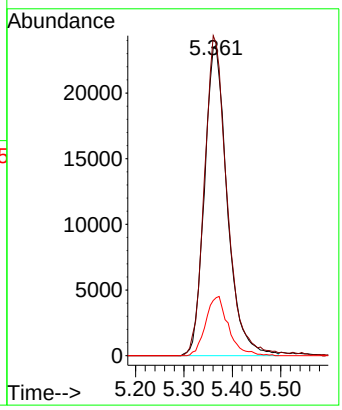


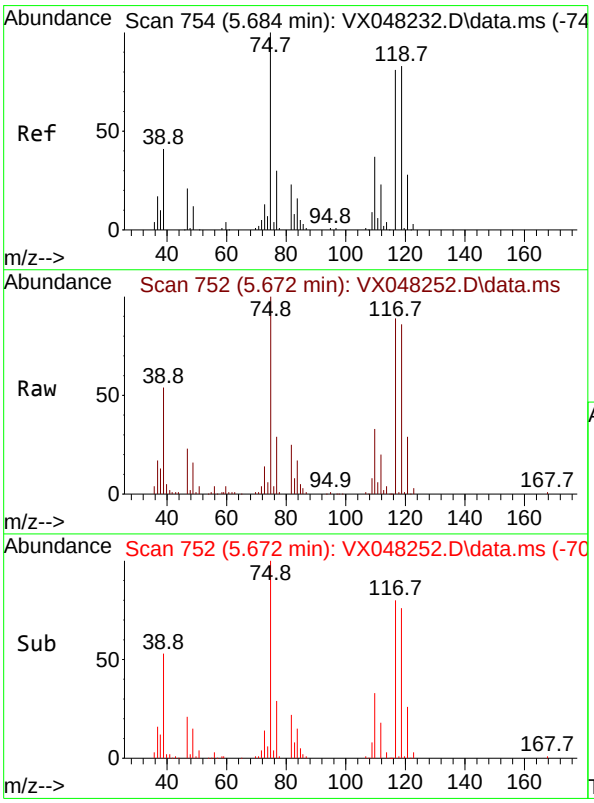

#35
Dibromofluoromethane
Concen: 49.844 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 77279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 82.2 | 123.4 |
| 192 | 19.1 | 15.1 | 22.7 |

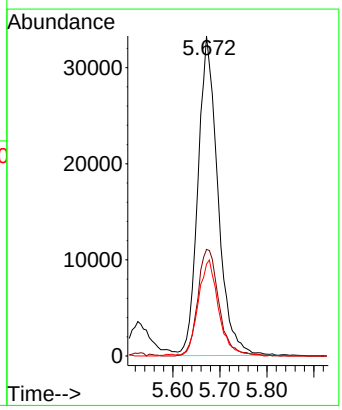


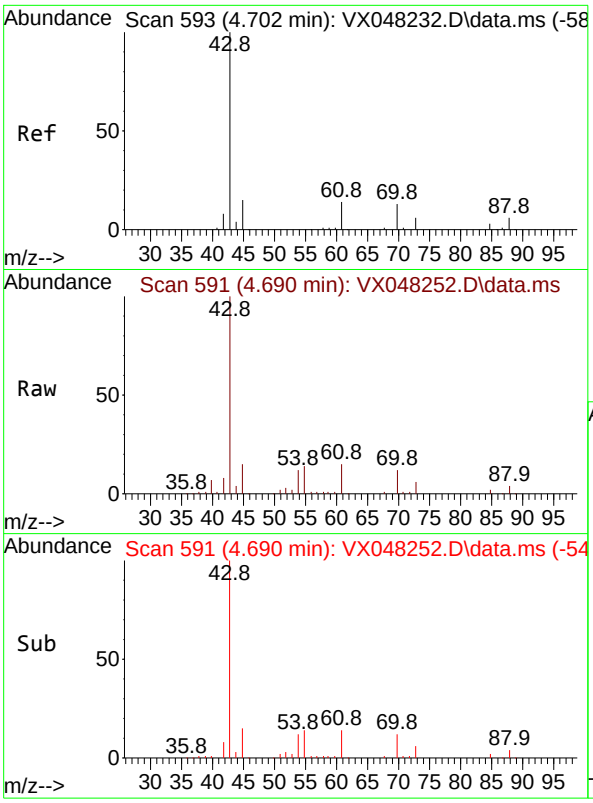




#36
1,1-Dichloropropene
Concen: 44.412 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 97868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.5 | 17.7 | 53.1 |
| 77 | 30.8 | 24.3 | 36.5 |



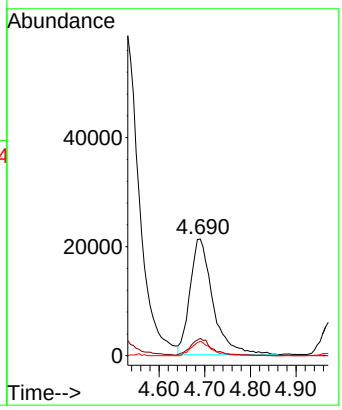


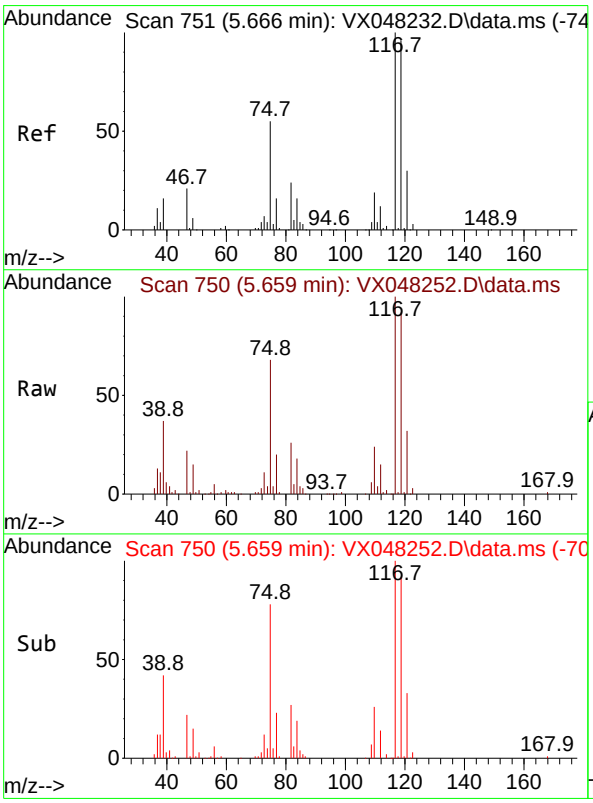

#37
Ethyl Acetate
Concen: 40.418 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 73825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 10.6 | 15.8 |
| 70 | 11.1 | 7.8 | 11.6 |

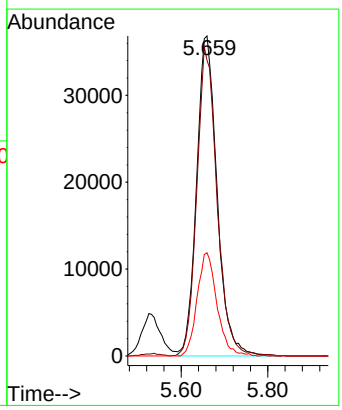


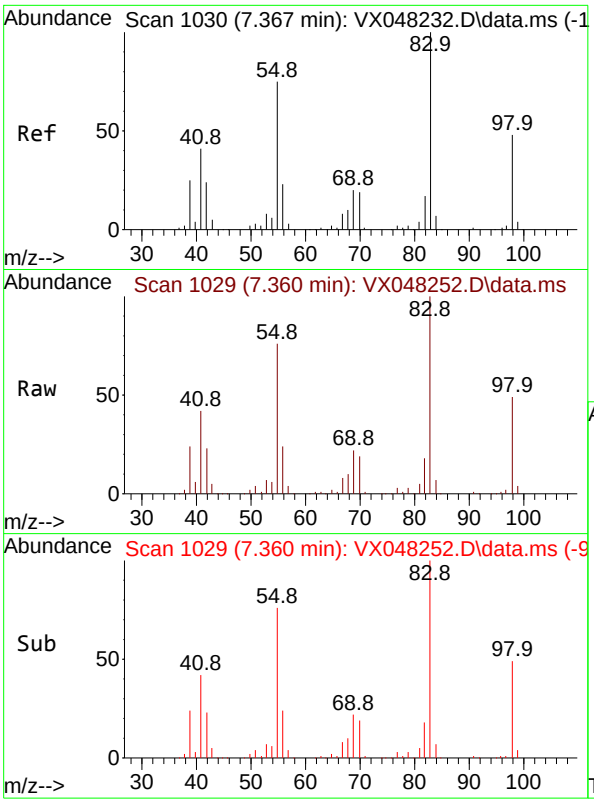




#38
Carbon Tetrachloride
Concen: 44.491 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:117 Resp: 120960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.4 | 77.2 | 115.8 |
| 121 | 32.2 | 24.8 | 37.2 |



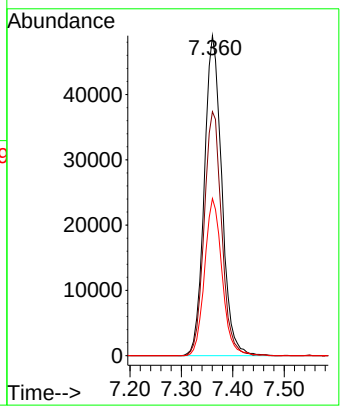


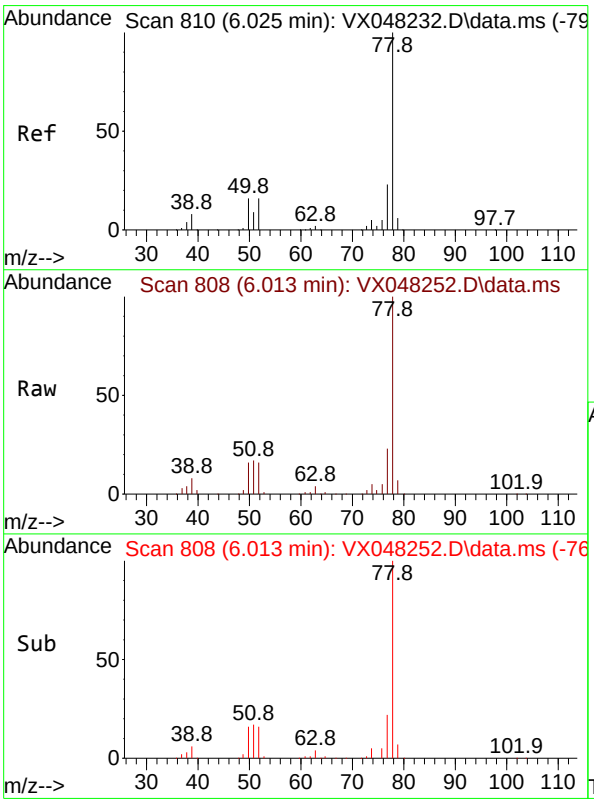

#39
Methylcyclohexane
Concen: 44.497 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 115804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.3 | 66.2 | 99.2 |
| 98 | 49.1 | 38.9 | 58.3 |

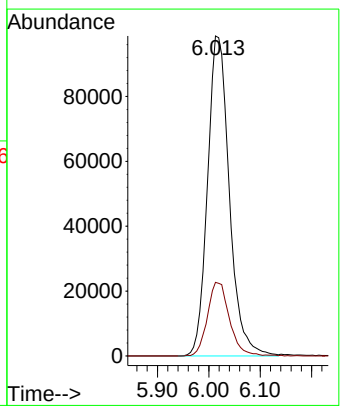


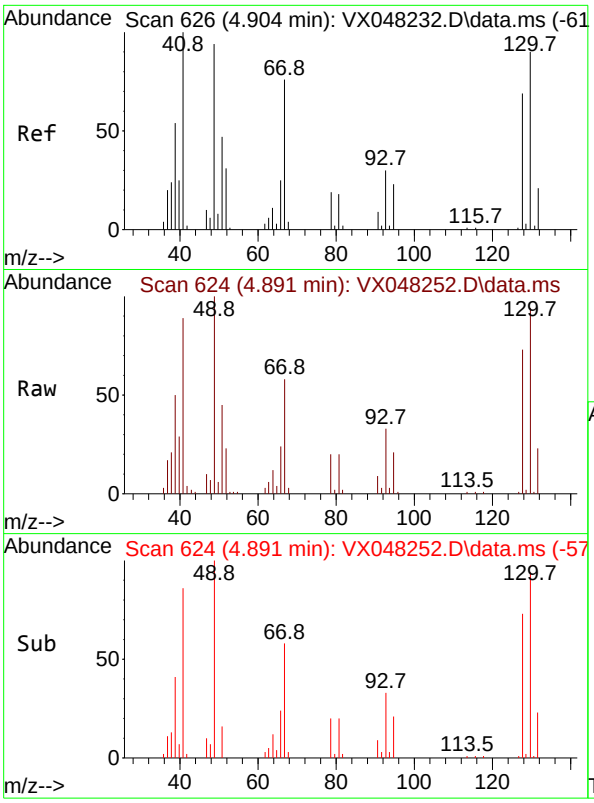




#40
Benzene
Concen: 45.424 ug/l
RT: 6.013 min Scan# 808
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 78 Resp: 290616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.0 | 19.3 | 28.9 |



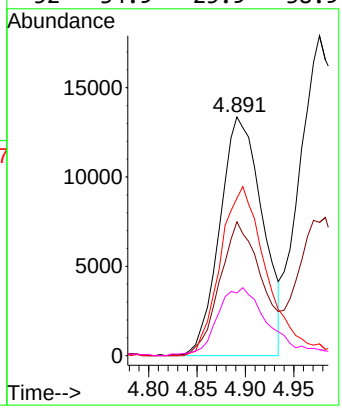


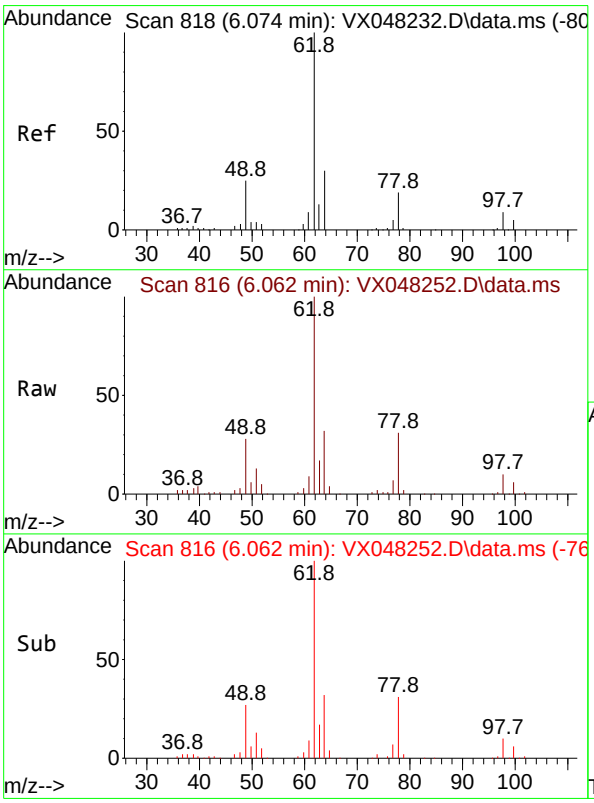

#41
Methacrylonitrile
Concen: 42.707 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 40965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.0 | 44.0 | 66.0 |
| 67 | 78.2 | 58.7 | 88.1 |
| 52 | 34.9 | 25.9 | 38.9 |

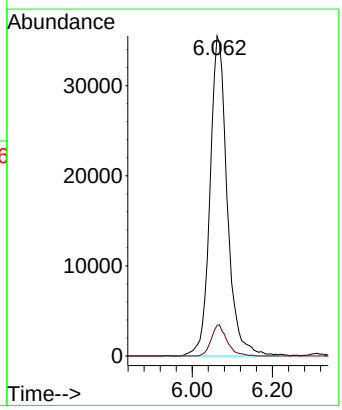


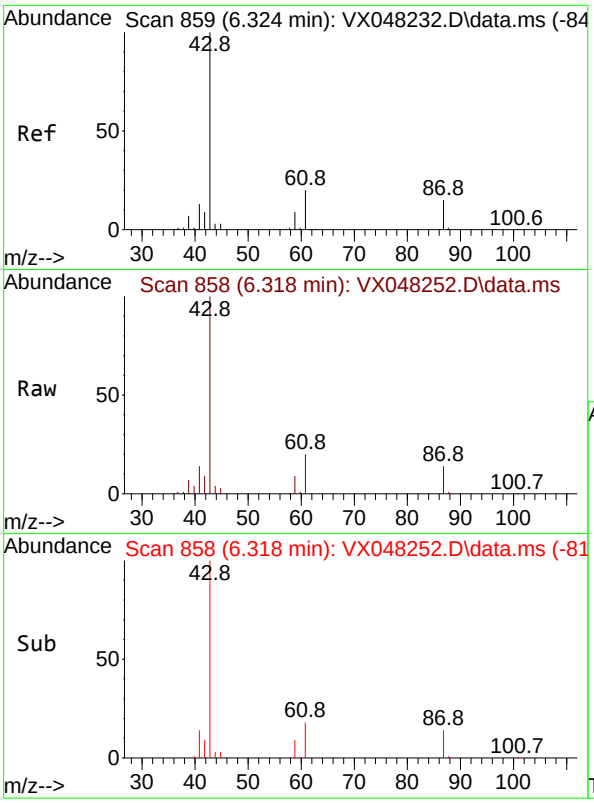




#42
1,2-Dichloroethane
Concen: 44.791 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 62 Resp: 105747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 17.2 |



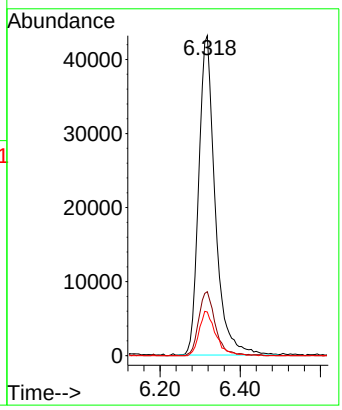


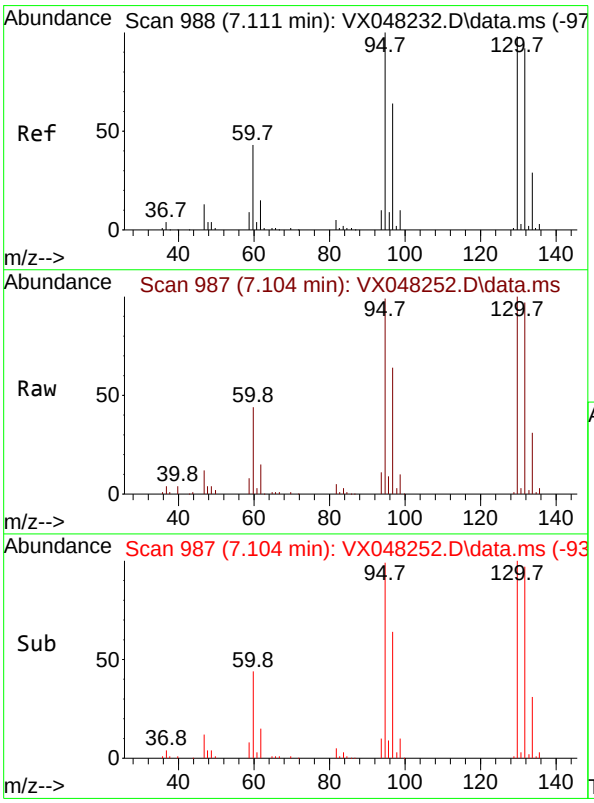

#43
Isopropyl Acetate
Concen: 40.859 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 122589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.4 | 14.9 | 22.3 |
| 87 | 14.0 | 9.4 | 14.2 |

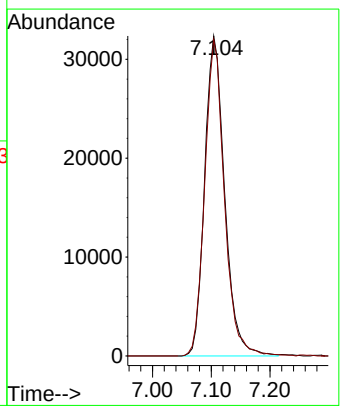


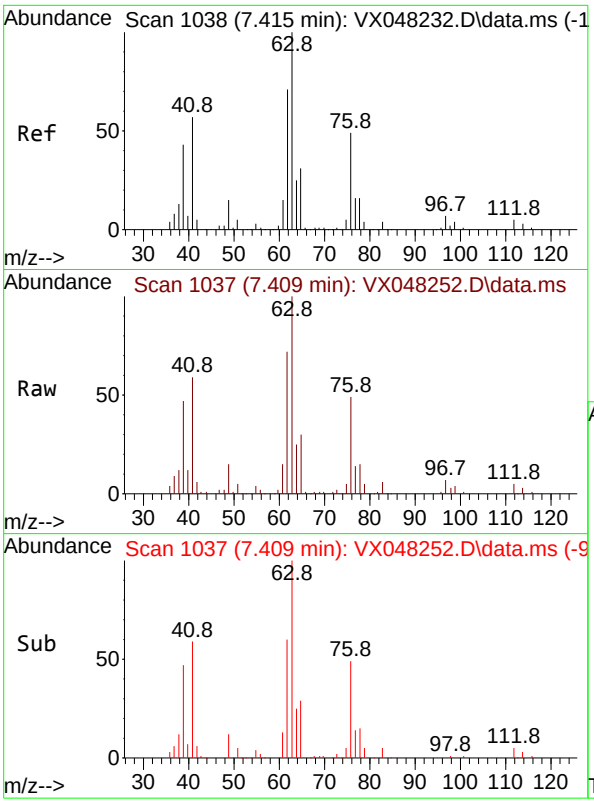




#44
Trichloroethene
Concen: 45.286 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:130 Resp: 76506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 108.3 | 0.0 | 200.6 |



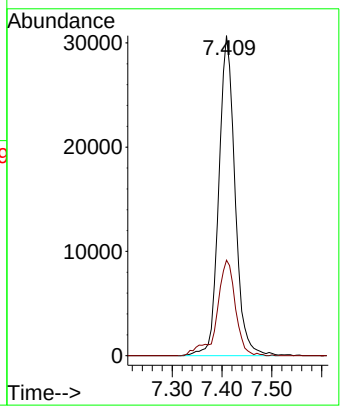


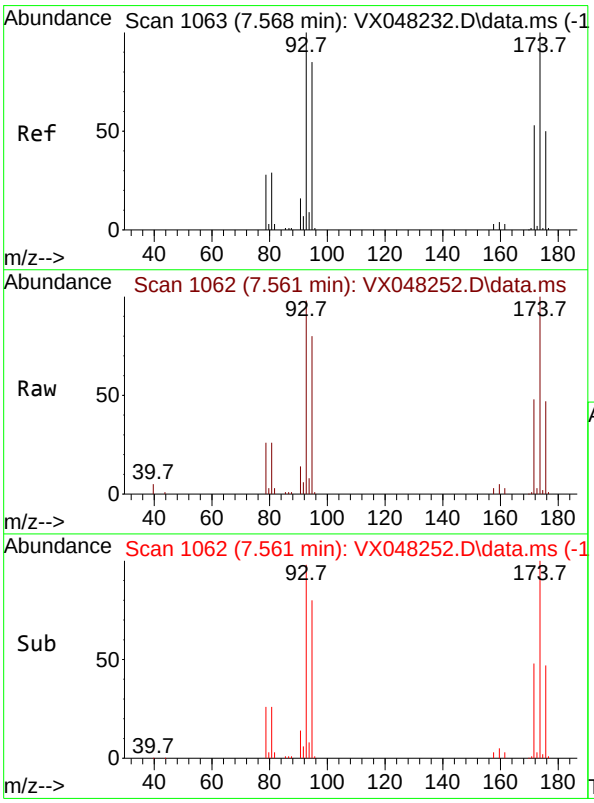

#45
1,2-Dichloropropane
Concen: 45.586 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 69342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.8 | 24.1 | 36.1 |

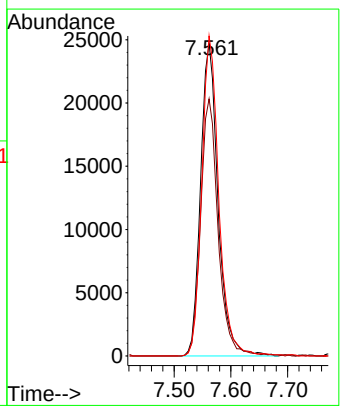


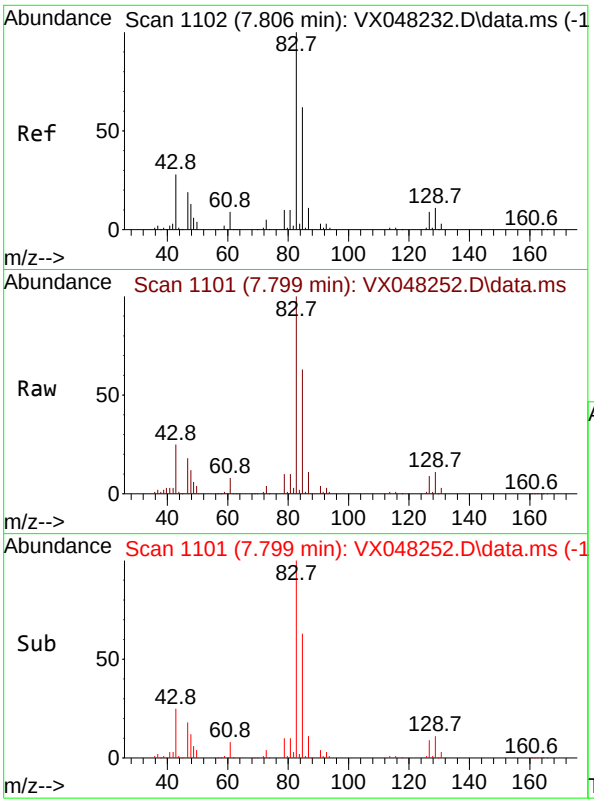




#46
Dibromomethane
Concen: 44.649 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 93 Resp: 52913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.9 | 98.9 |
| 174 | 100.1 | 71.7 | 107.5 |



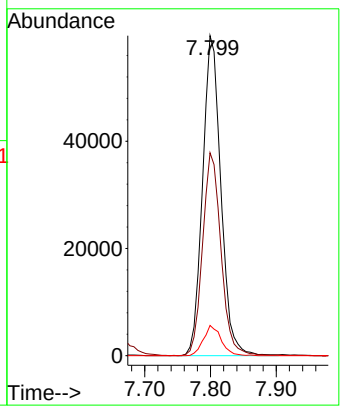


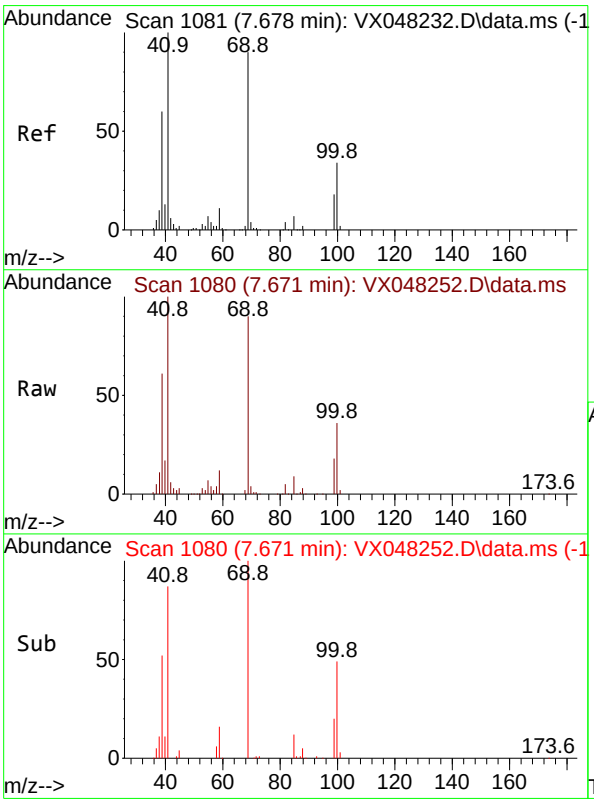

#47
Bromodichloromethane
Concen: 45.265 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 115823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 52.2 | 78.4 |
| 127 | 9.4 | 7.3 | 10.9 |

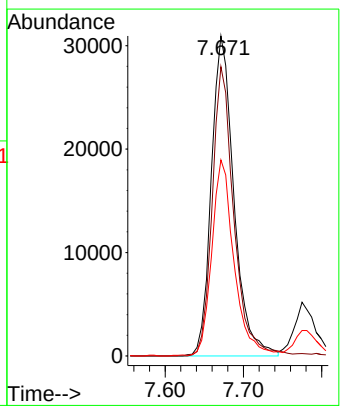


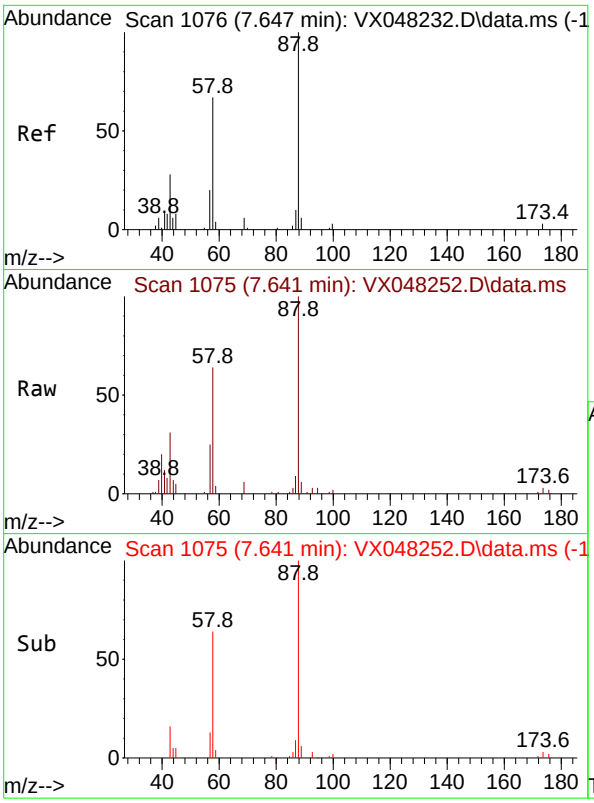




#48
Methyl methacrylate
Concen: 41.000 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 41 Resp: 62073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.3 | 63.4 | 95.0 |
| 39 | 60.7 | 47.1 | 70.7 |



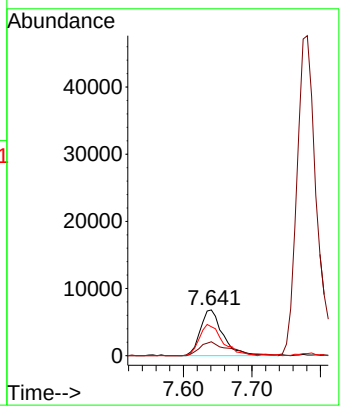


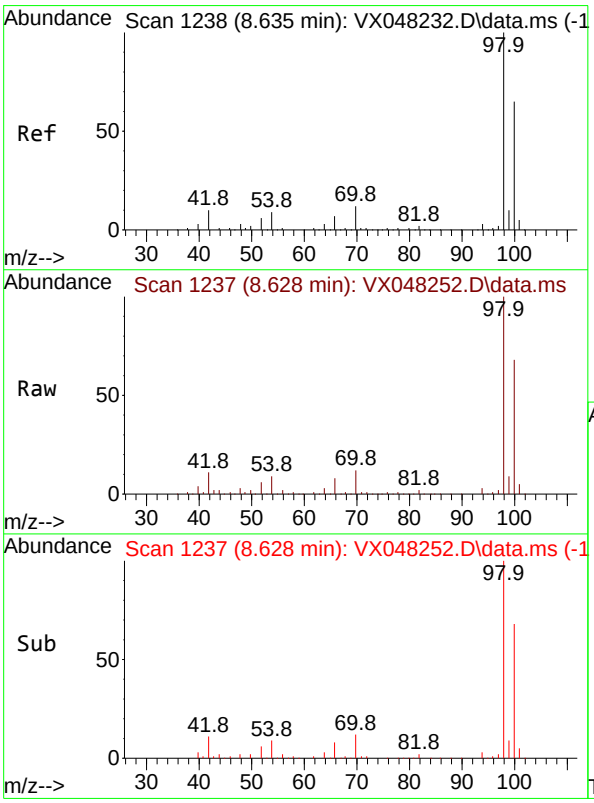

#49
1,4-Dioxane
Concen: 782.834 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 88 Resp: 15658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.9 | 35.0 | 52.4 |
| 58 | 69.5 | 61.9 | 92.9 |

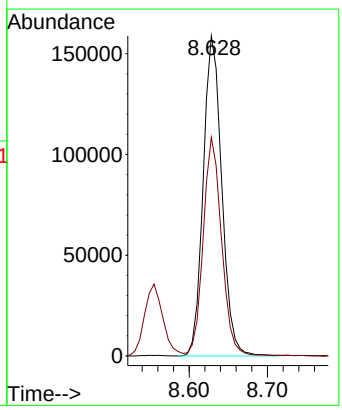


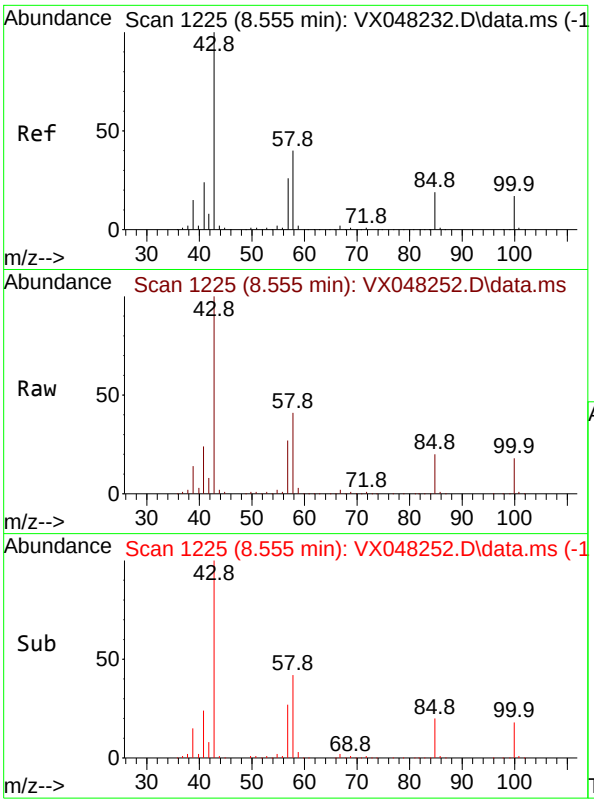




#50
Toluene-d8
Concen: 48.070 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 98 Resp: 261228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.7 | 53.0 | 79.4 |



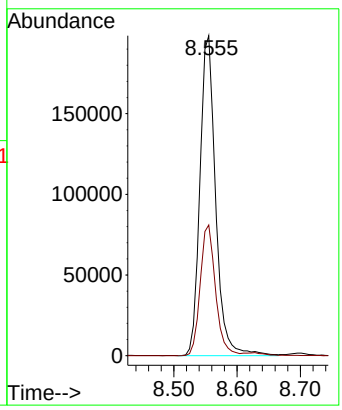


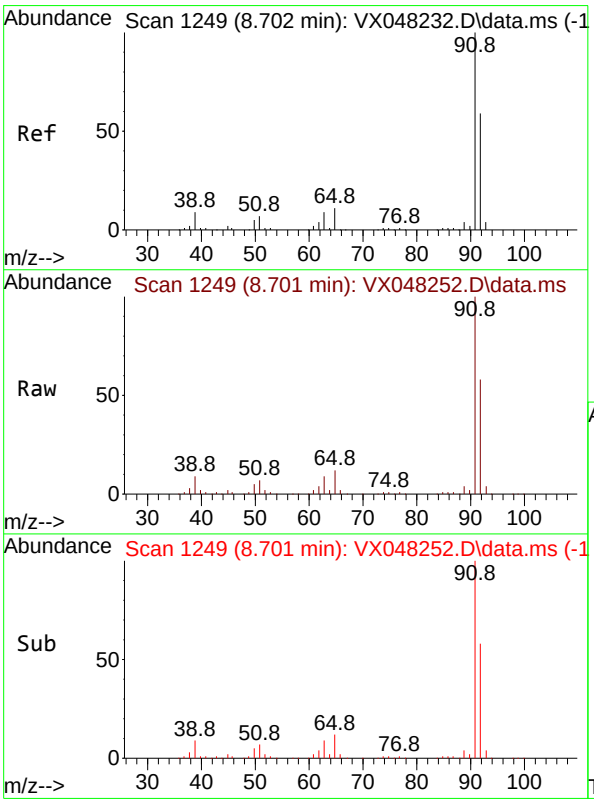

#51
4-Methyl-2-Pentanone
Concen: 198.518 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 343412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.7 | 29.5 | 44.3 |

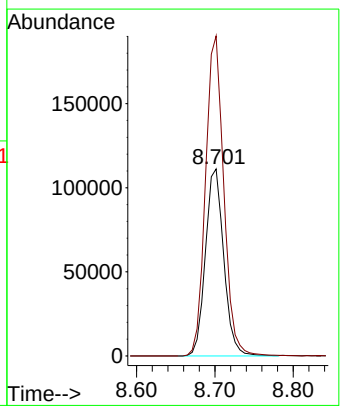


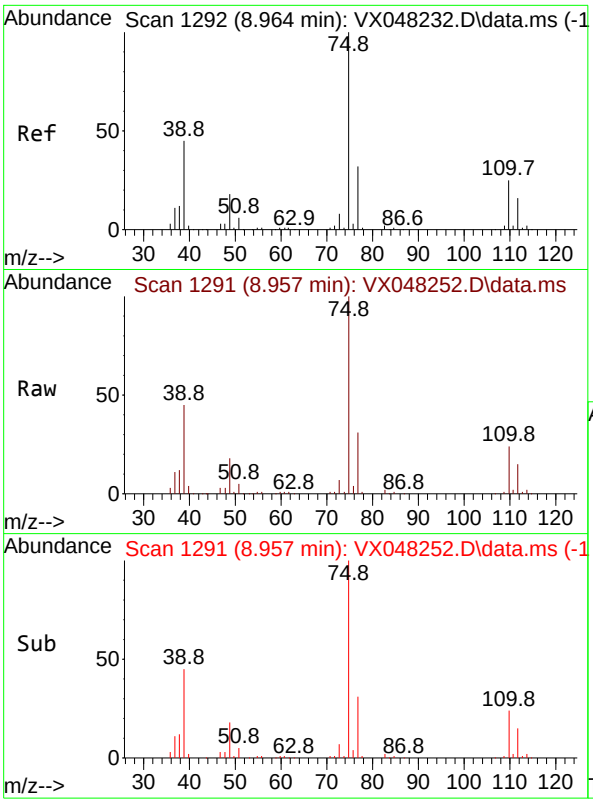




#52
Toluene
Concen: 44.443 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 92 Resp: 180638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.1 | 136.1 | 204.1 |



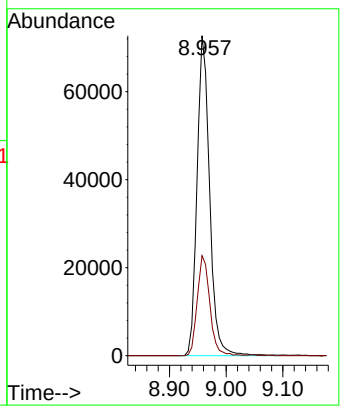


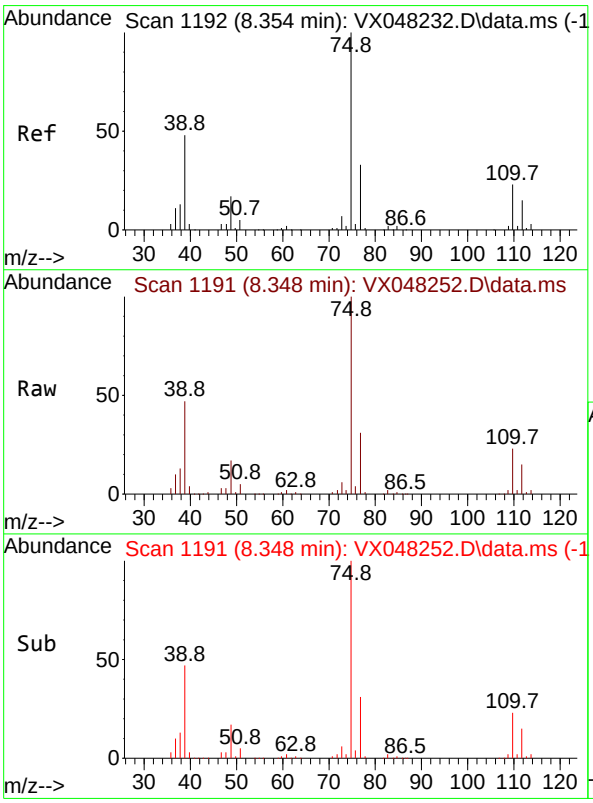

#53
t-1,3-Dichloropropene
Concen: 45.367 ug/l
RT: 8.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 111868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.0 | 37.6 |

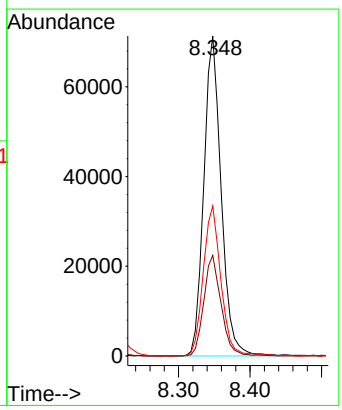


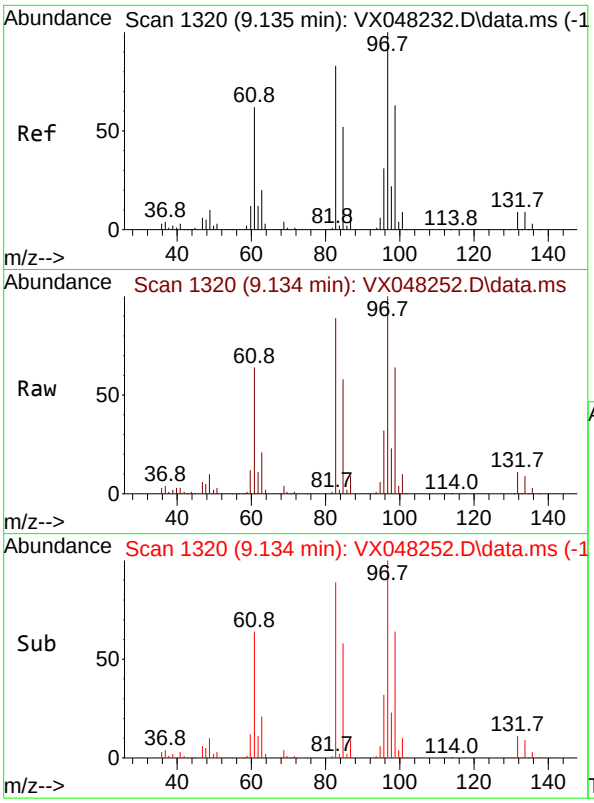




#54
cis-1,3-Dichloropropene
Concen: 45.199 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 120247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 24.9 | 37.3 |
| 39 | 46.8 | 42.6 | 64.0 |



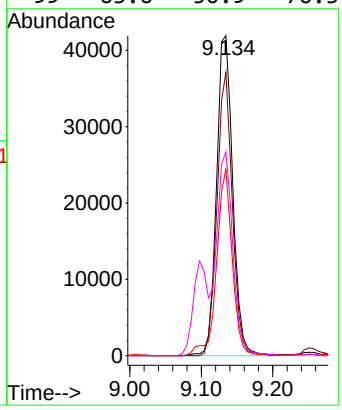


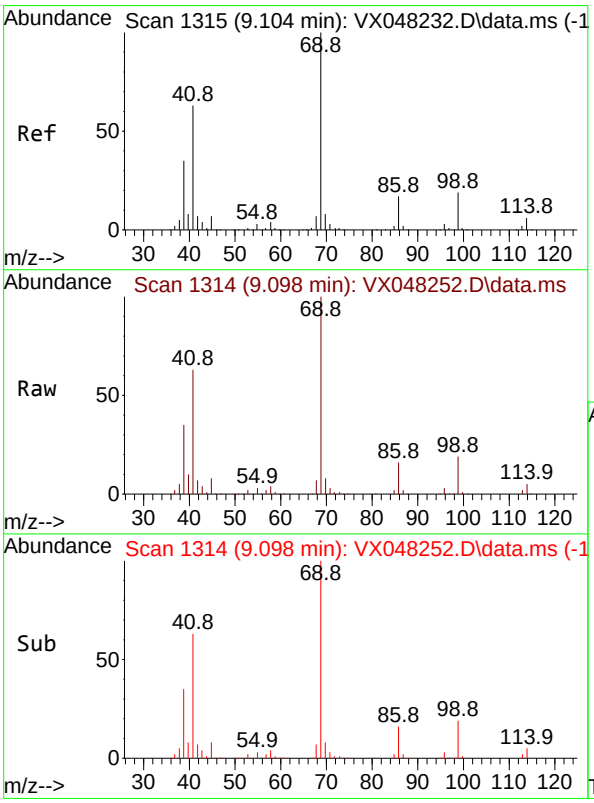

#55
1,1,2-Trichloroethane
Concen: 43.758 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 66141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.5 | 70.6 | 105.8 |
| 85 | 58.3 | 45.0 | 67.6 |
| 99 | 63.6 | 50.9 | 76.3 |

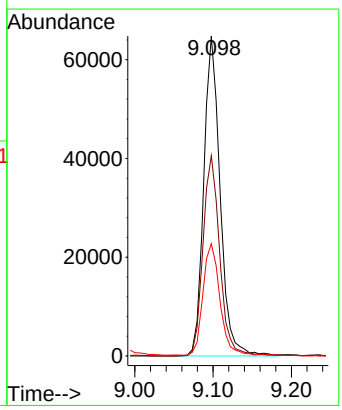


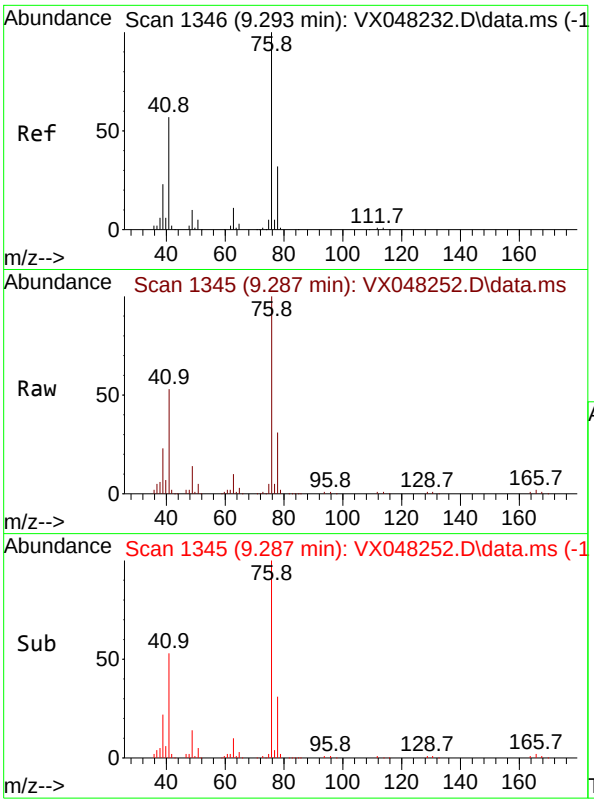




#56
Ethyl methacrylate
Concen: 42.533 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 69 Resp: 94033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.2 | 56.0 | 84.0 |
| 39 | 37.2 | 31.6 | 47.4 |



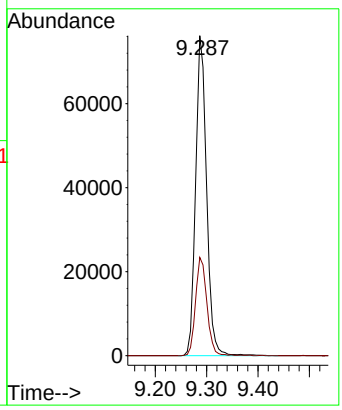


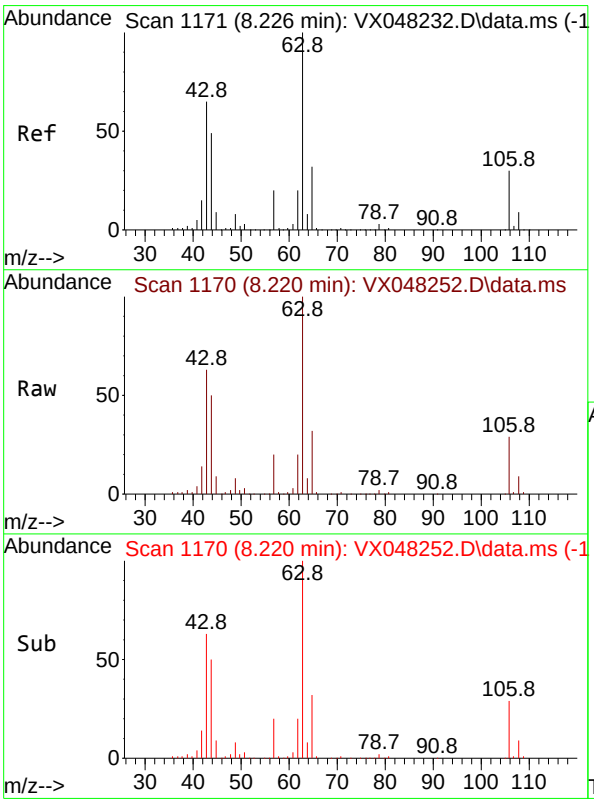

#57
1,3-Dichloropropane
Concen: 43.726 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 112894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.0 | 25.4 | 38.0 |

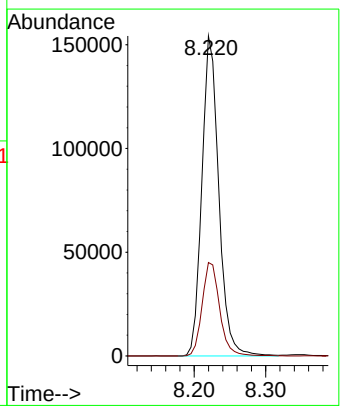


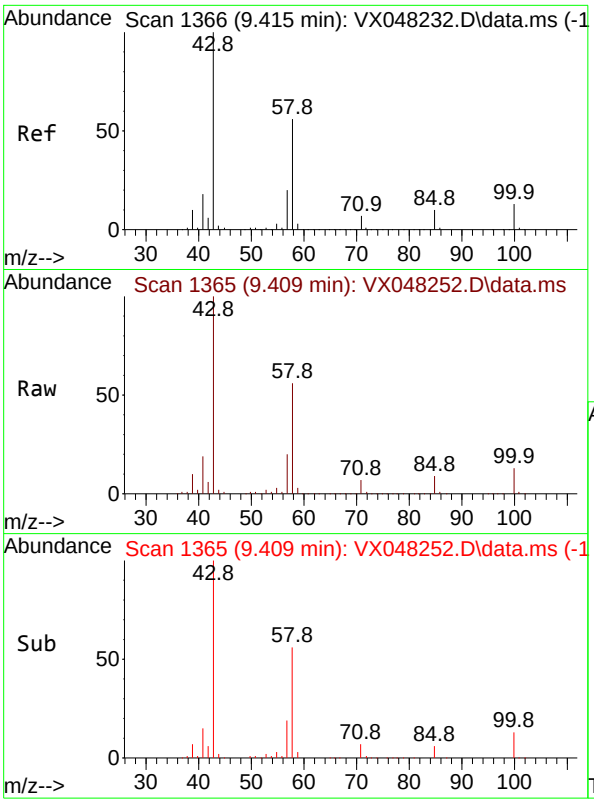




#58
2-Chloroethyl Vinyl ether
Concen: 213.469 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 63 Resp: 253467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.3 | 22.2 | 33.2 |



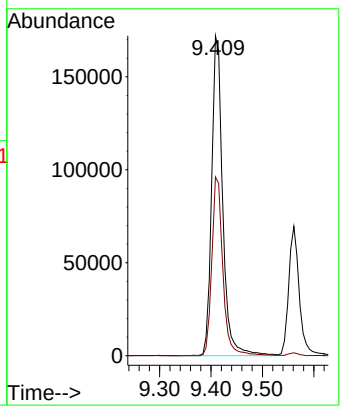


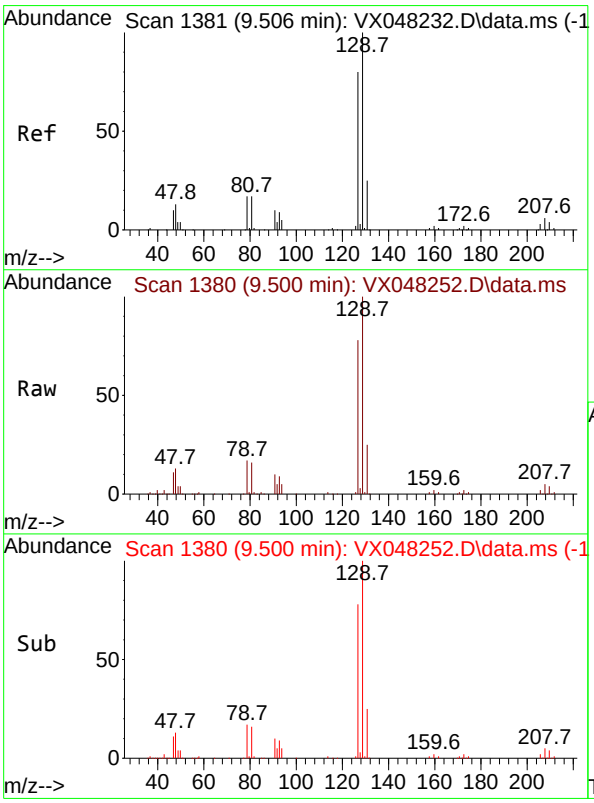

#59
2-Hexanone
Concen: 213.881 ug/l
RT: 9.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 257988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.8 | 26.3 | 78.8 |

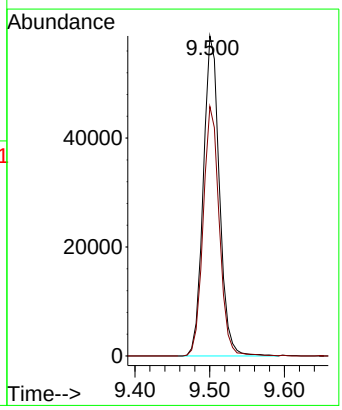


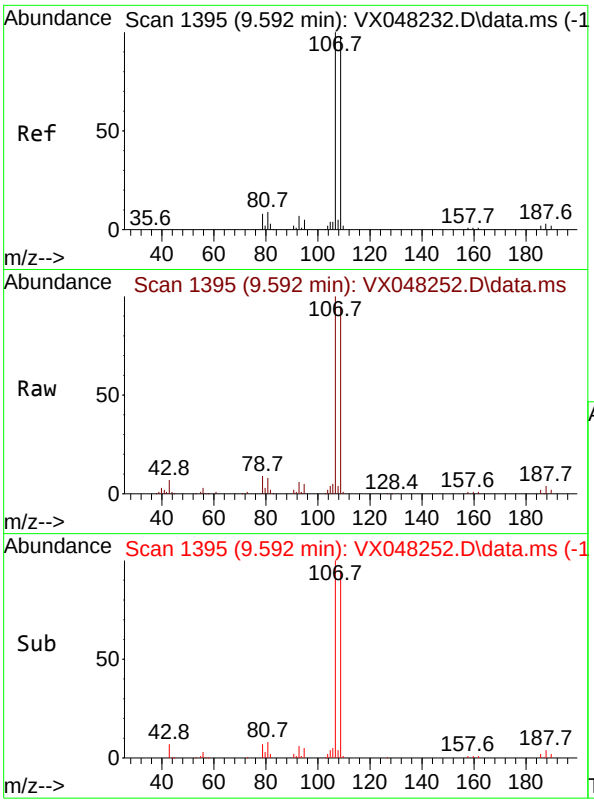




#60
Dibromochloromethane
Concen: 43.319 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:129 Resp: 88005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.9 | 38.6 | 115.7 |



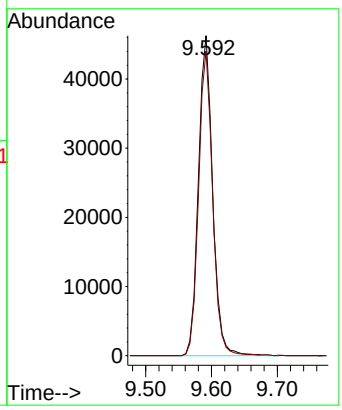


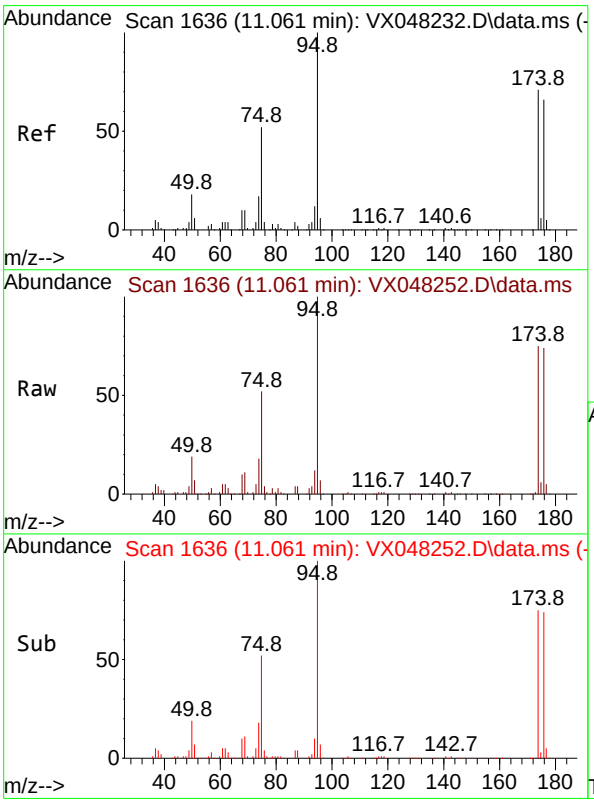

#61
1,2-Dibromoethane
Concen: 43.228 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 69657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.0 | 77.0 | 115.4 |

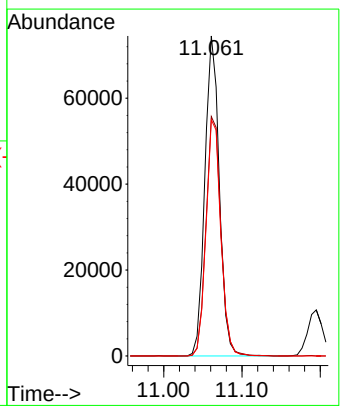


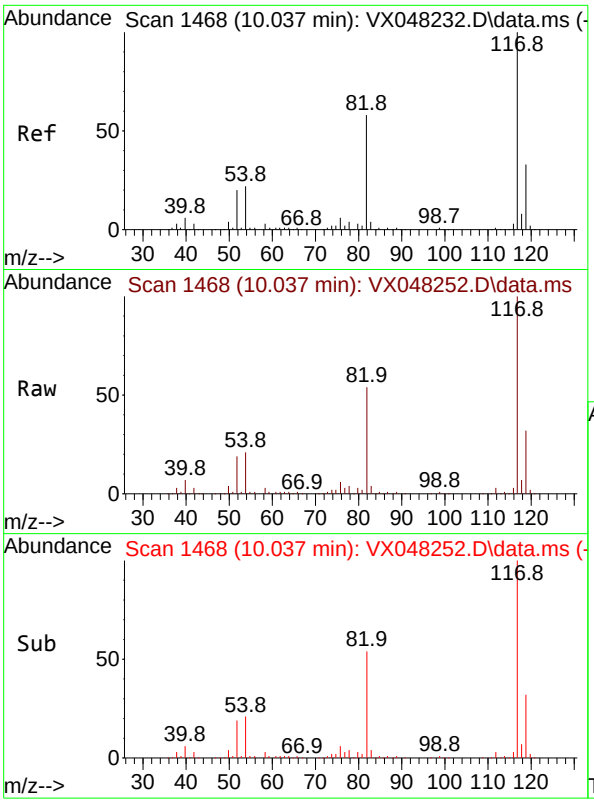




#62
4-Bromofluorobenzene
Concen: 46.072 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 95 Resp: 95248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.2 | 0.0 | 147.8 |
| 176 | 75.3 | 0.0 | 142.8 |



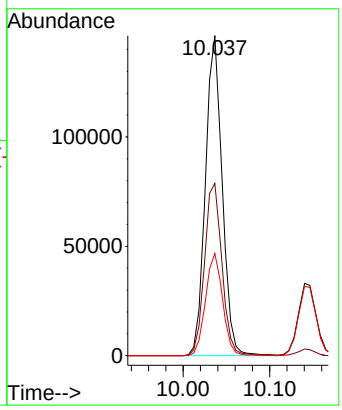


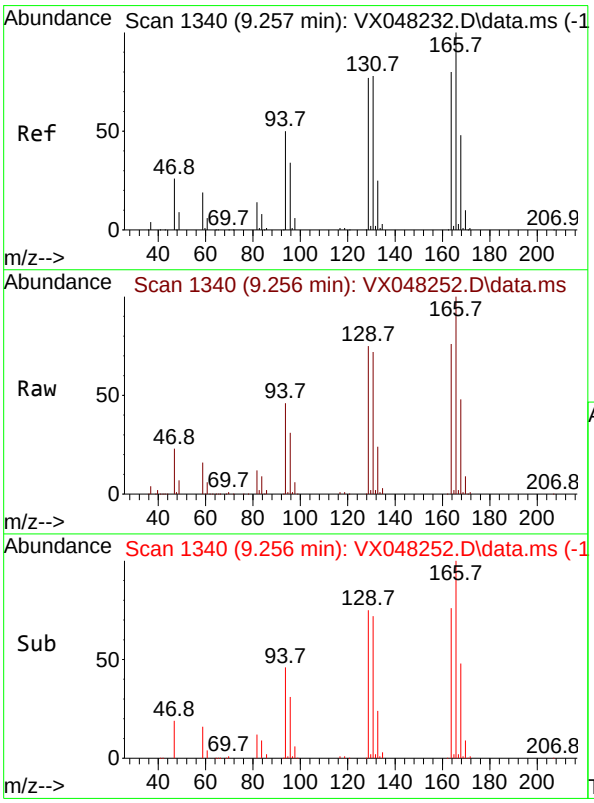

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 197016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.8 | 46.5 | 69.7 |
| 119 | 32.0 | 25.9 | 38.9 |

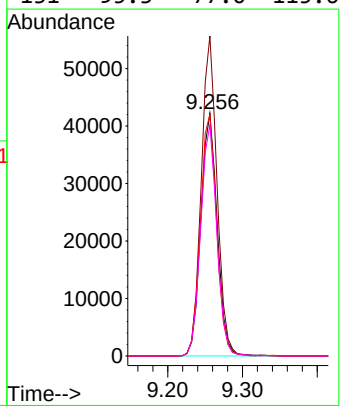


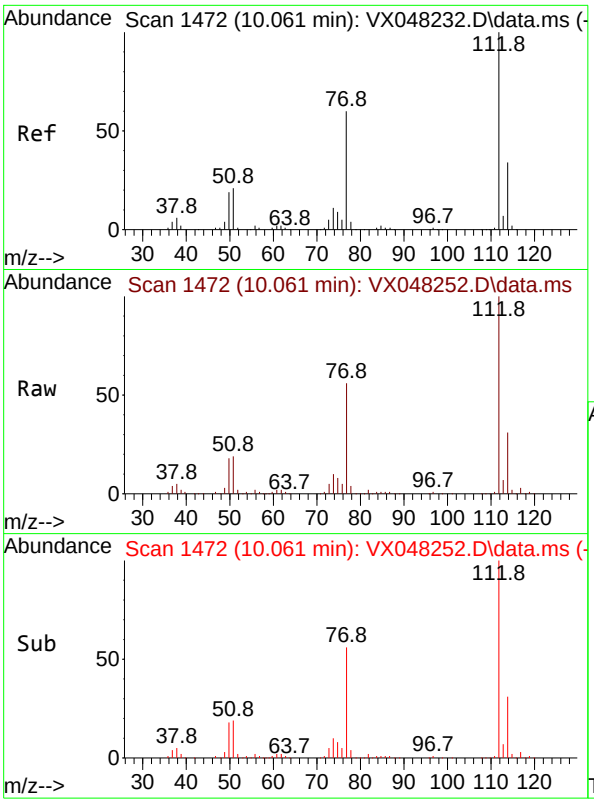




#64
Tetrachloroethene
Concen: 43.569 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:164 Resp: 64080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.9 | 104.5 | 156.7 |
| 129 | 99.5 | 81.8 | 122.6 |
| 131 | 95.3 | 77.0 | 115.6 |



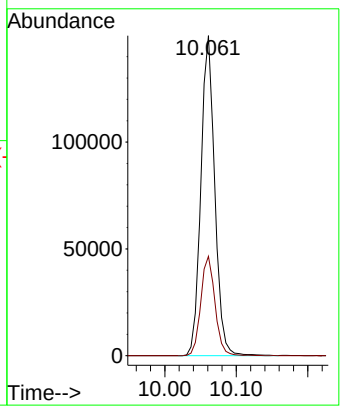


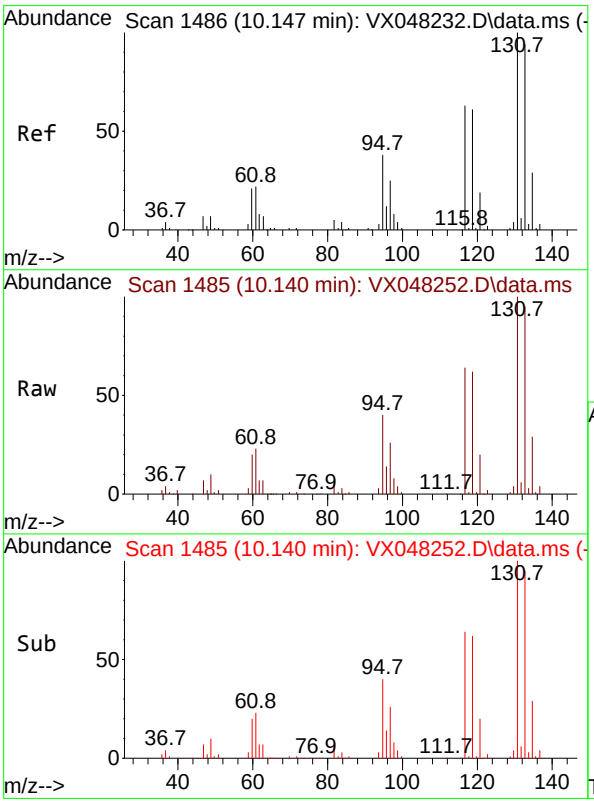

#65
Chlorobenzene
Concen: 45.568 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 201952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.0 | 26.2 | 39.2 |

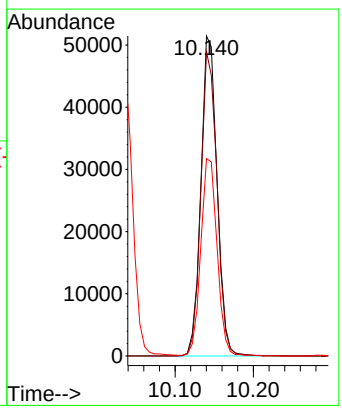


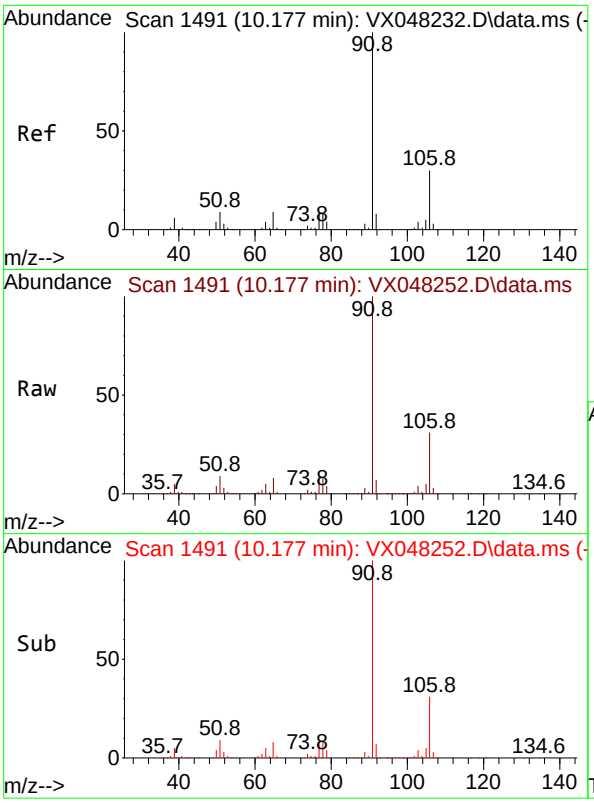




#66
1,1,1,2-Tetrachloroethane
Concen: 45.215 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:131 Resp: 73602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.6 | 142.8 |
| 119 | 62.4 | 32.5 | 97.5 |



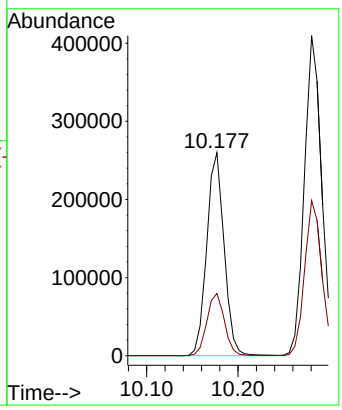


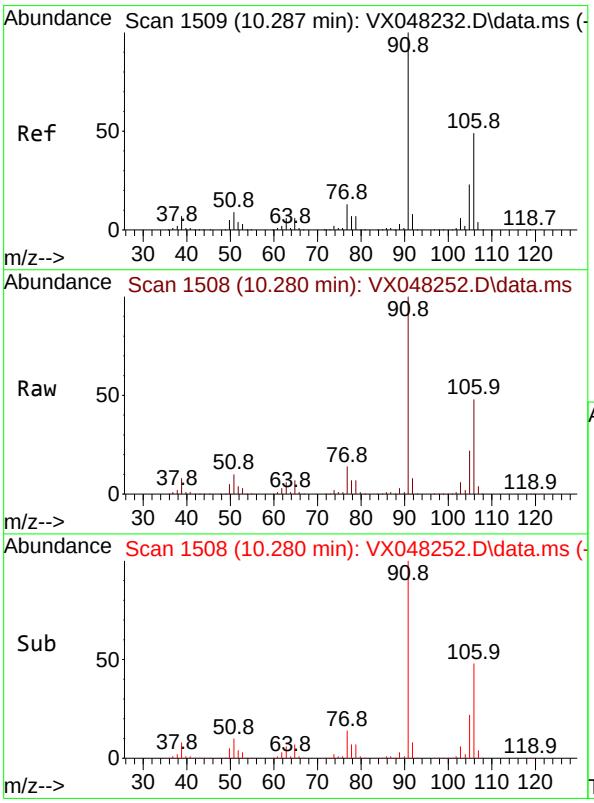

#67
Ethyl Benzene
Concen: 45.371 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 342357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.7 | 23.8 | 35.6 |

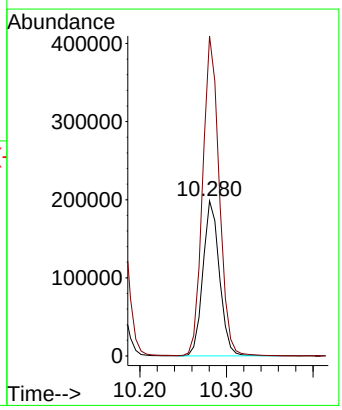


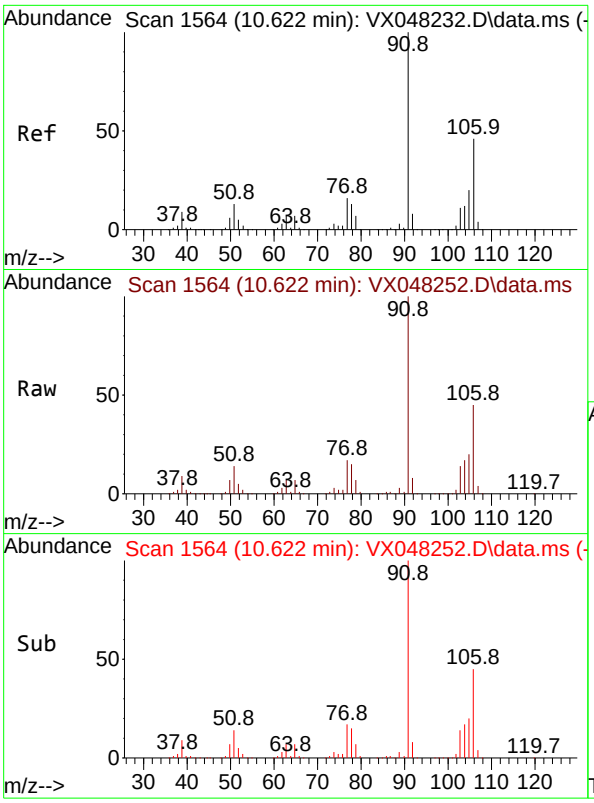




#68
m/p-Xylenes
Concen: 93.624 ug/l
RT: 10.280 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:106 Resp: 262482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.8 | 167.9 | 251.9 |



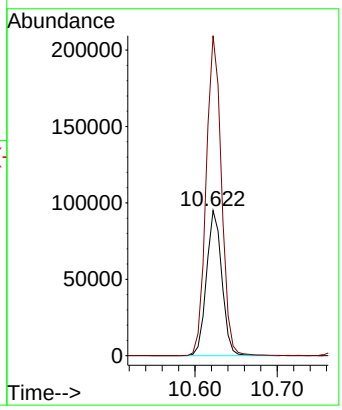


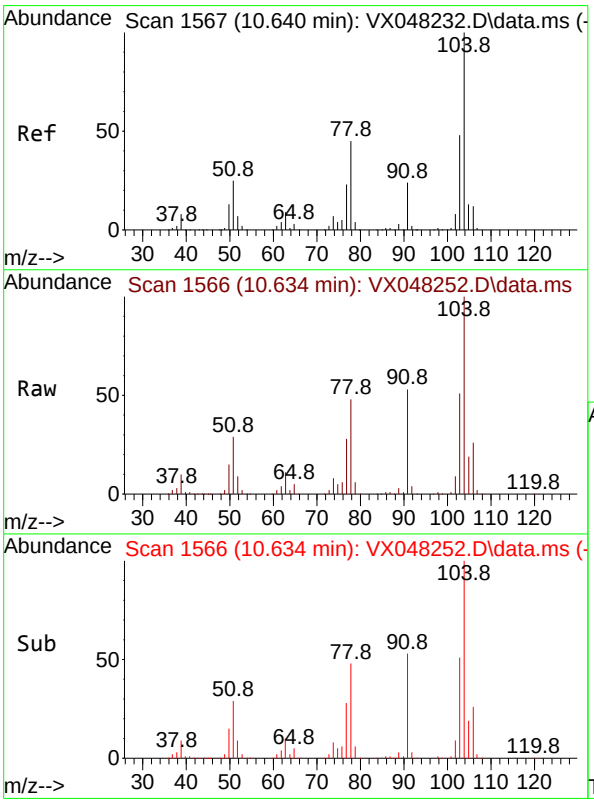

#69
o-Xylene
Concen: 45.486 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 123116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.9 | 111.3 | 333.9 |

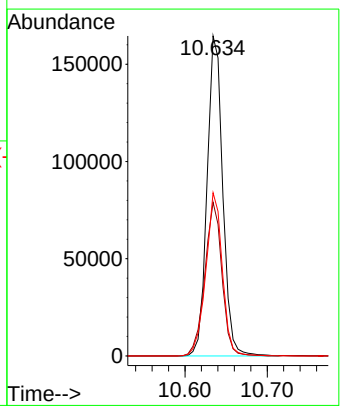


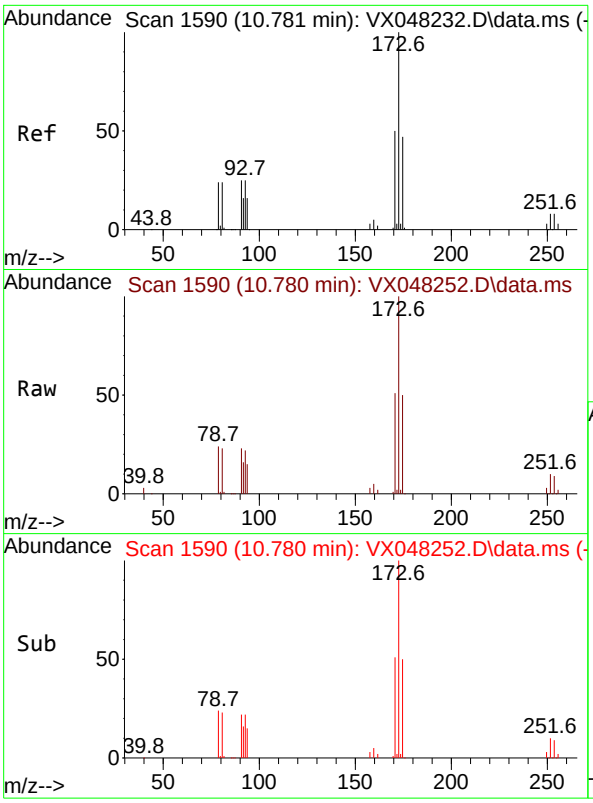




#70
Styrene
Concen: 47.309 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:104 Resp: 218038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.5 | 42.2 | 63.4 |
| 103 | 53.9 | 43.0 | 64.4 |



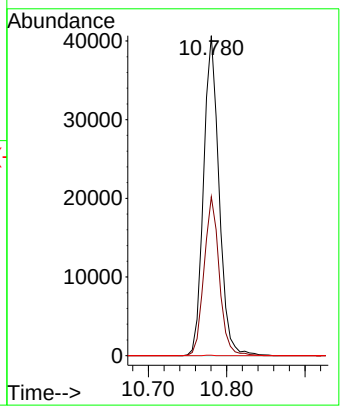


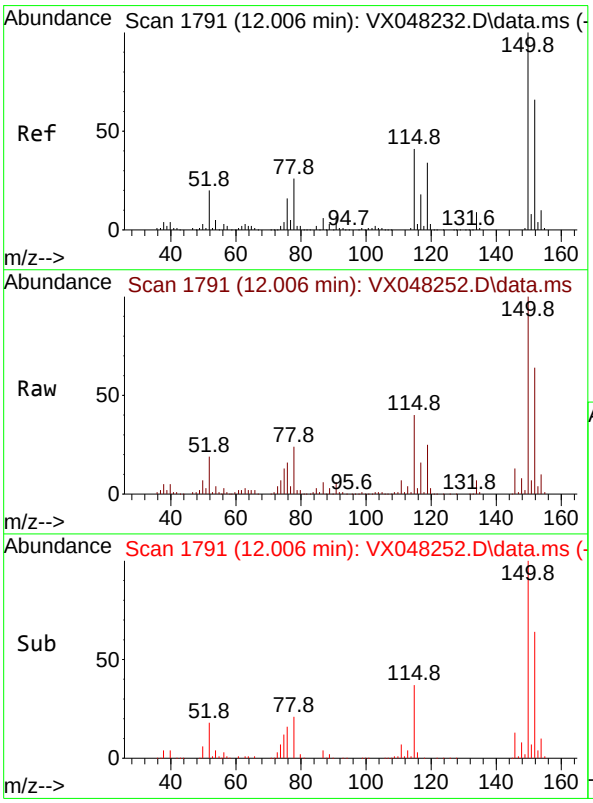

#71
Bromoform
Concen: 42.915 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 55833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 24.0 | 72.0 |
| 254 | 0.1 | 0.0 | 0.0# |

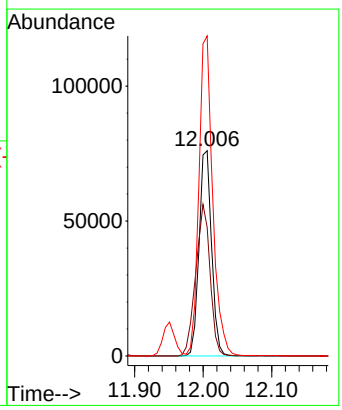


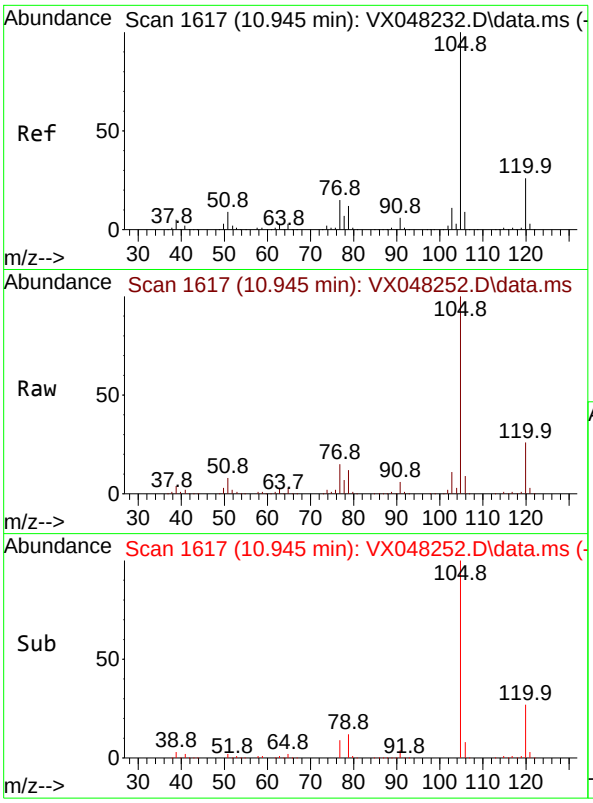




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:152 Resp: 96991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.4 | 43.1 | 129.4 |
| 150 | 171.4 | 0.0 | 353.0 |



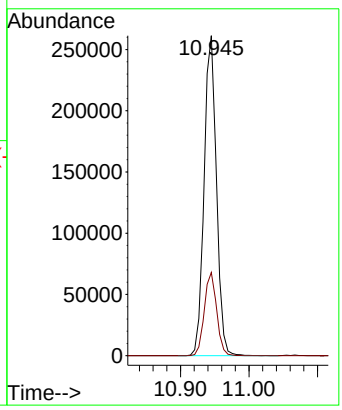


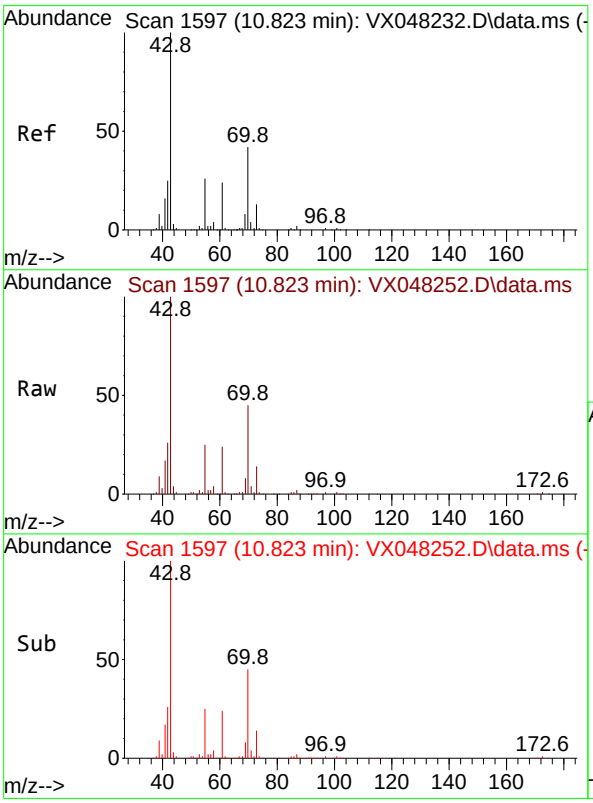

#73
Isopropylbenzene
Concen: 46.258 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 327700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 38.9 |

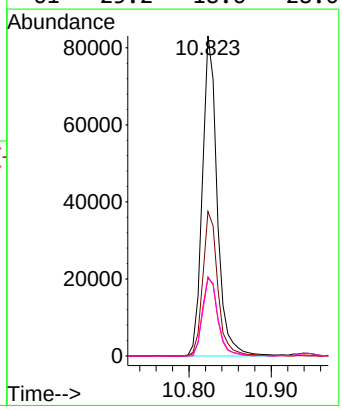


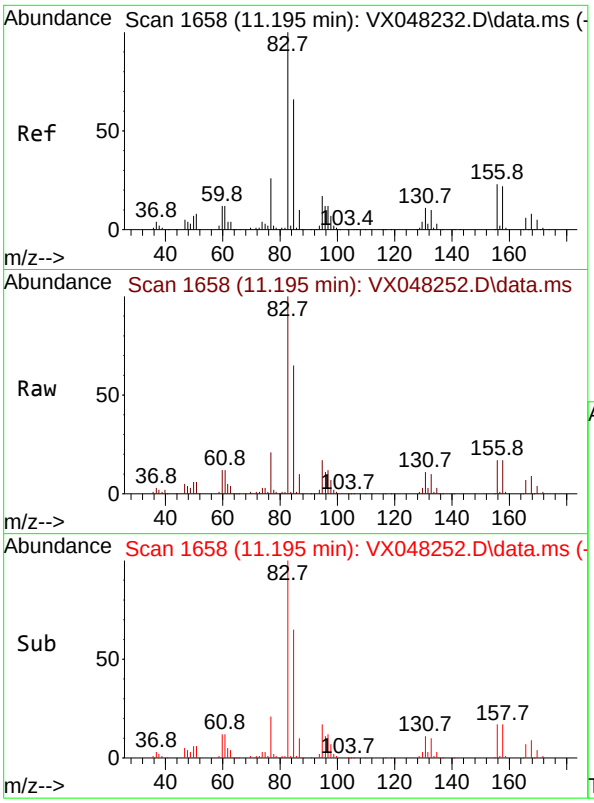




#74
N-amyl acetate
Concen: 41.490 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 43 Resp: 104260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 45.6 | 32.2 | 48.2 |
| 55 | 25.5 | 19.1 | 28.7 |
| 61 | 25.2 | 18.6 | 28.0 |



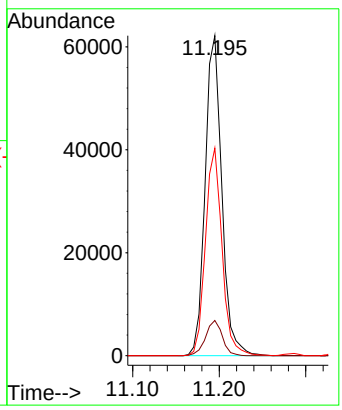


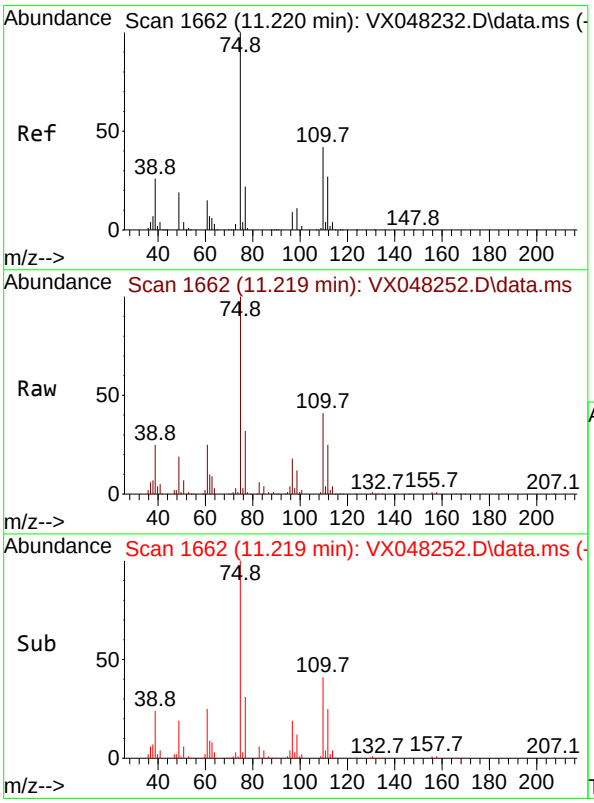

#75
1,1,2,2-Tetrachloroethane
Concen: 42.990 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 83168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 11.1 | 4.8 | 14.4 |
| 85 | 64.6 | 31.9 | 95.7 |

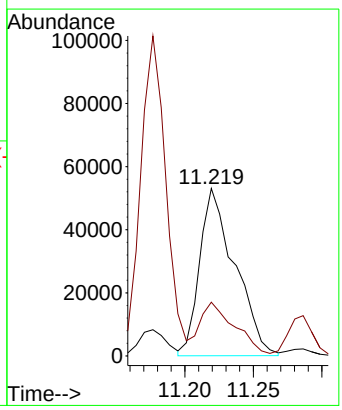


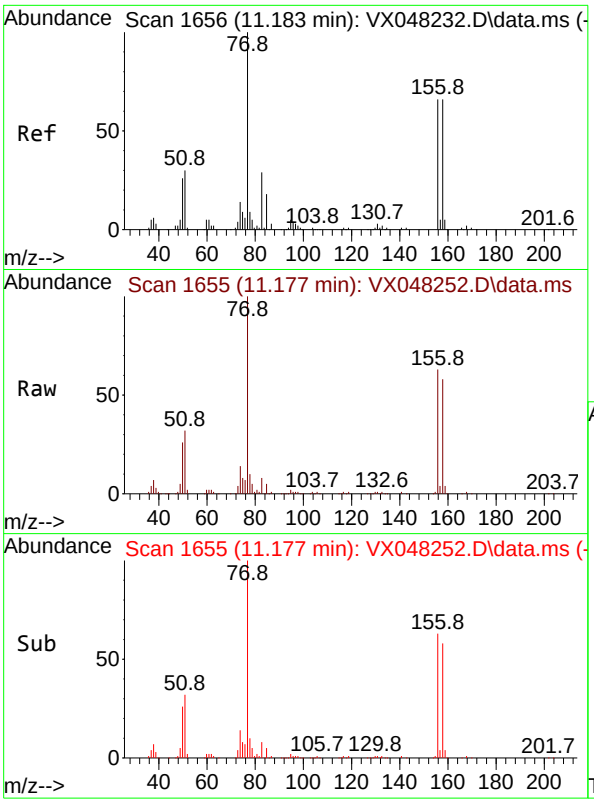




#76
1,2,3-Trichloropropane
Concen: 60.444 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 95070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 22.4 | 67.2 |



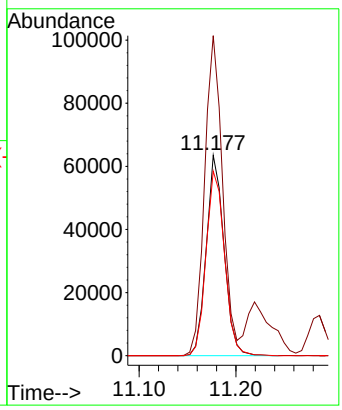


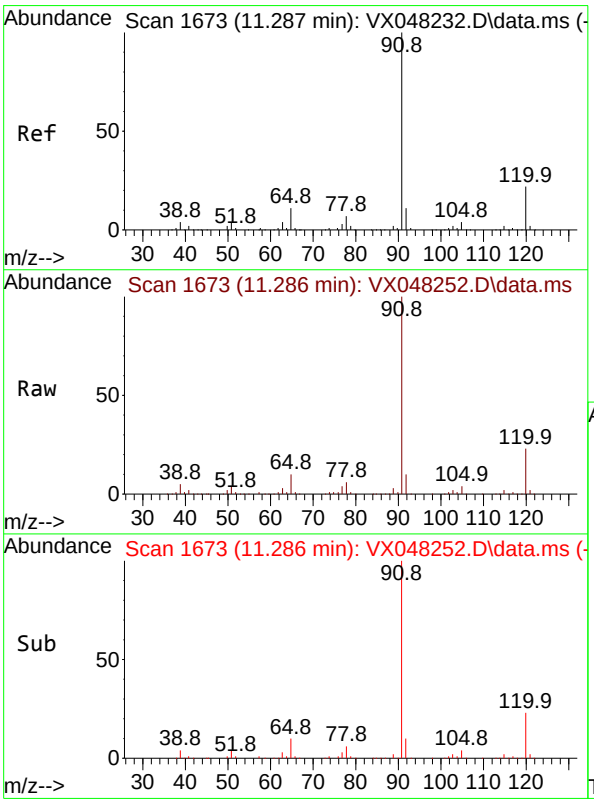

#77
Bromobenzene
Concen: 45.589 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 80981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 161.0 | 87.0 | 261.0 |
| 158 | 96.3 | 47.8 | 143.4 |

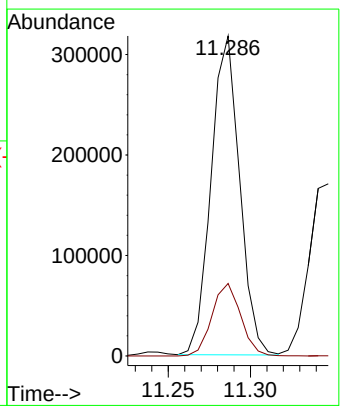


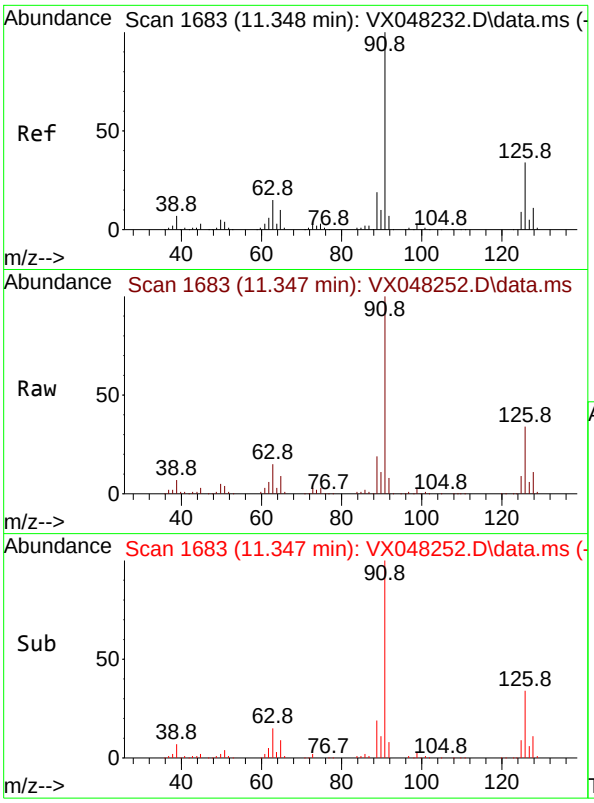




#78
n-propylbenzene
Concen: 46.739 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 91 Resp: 383372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.1 | 33.1 |



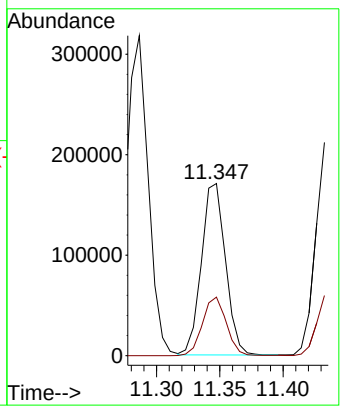


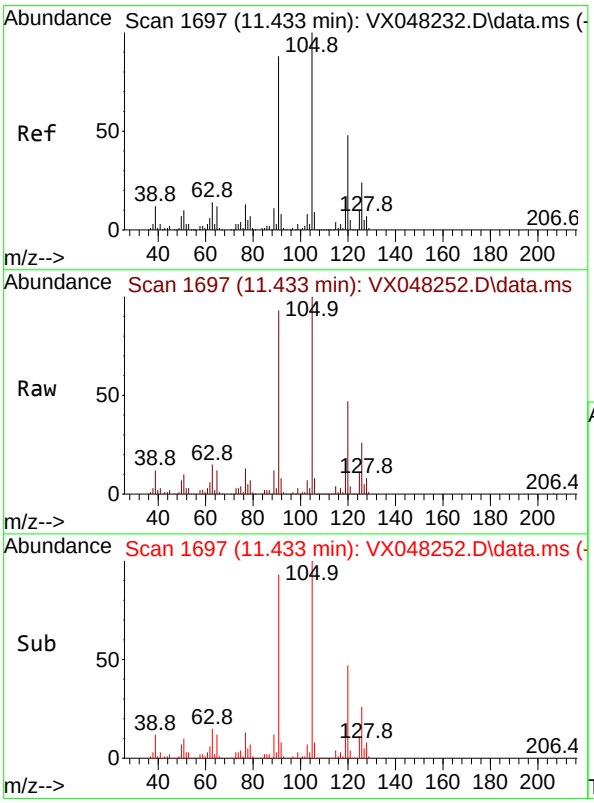

#79
2-Chlorotoluene
Concen: 45.456 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 226051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.4 | 49.4 |

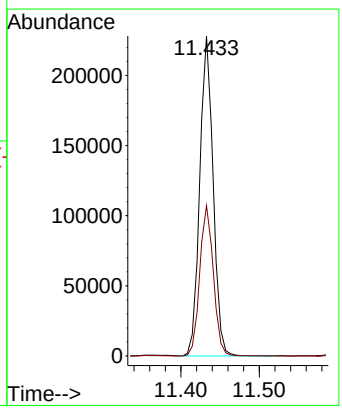


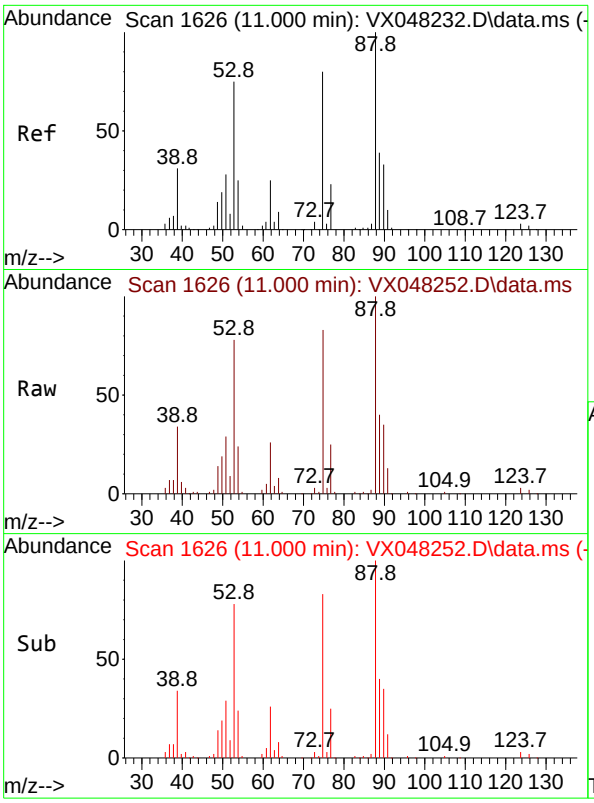




#80
1,3,5-Trimethylbenzene
Concen: 46.077 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:105 Resp: 270132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.8 | 24.0 | 72.0 |



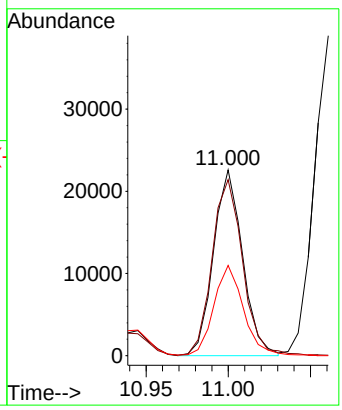


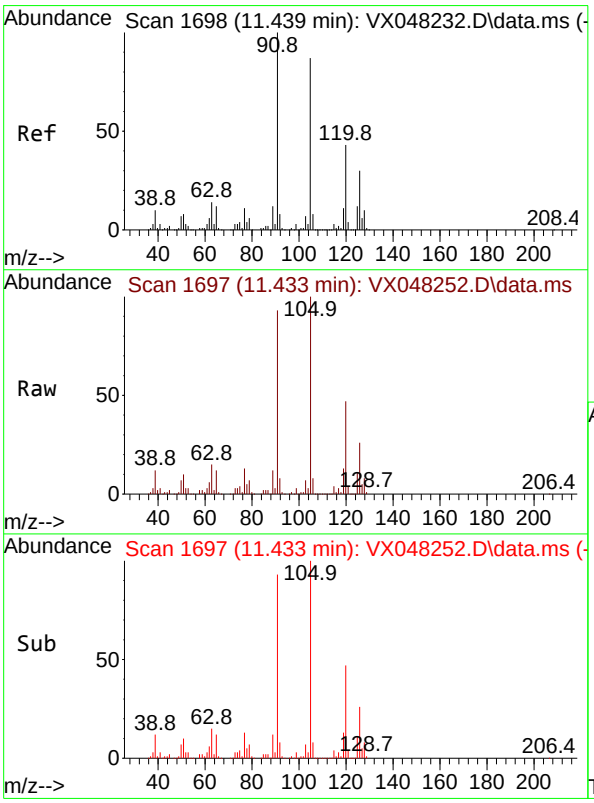

#81
trans-1,4-Dichloro-2-butene
Concen: 43.041 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 27826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 99.9 | 79.5 | 119.3 |
| 89 | 49.7 | 36.8 | 55.2 |

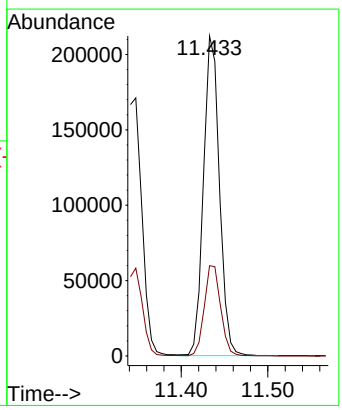


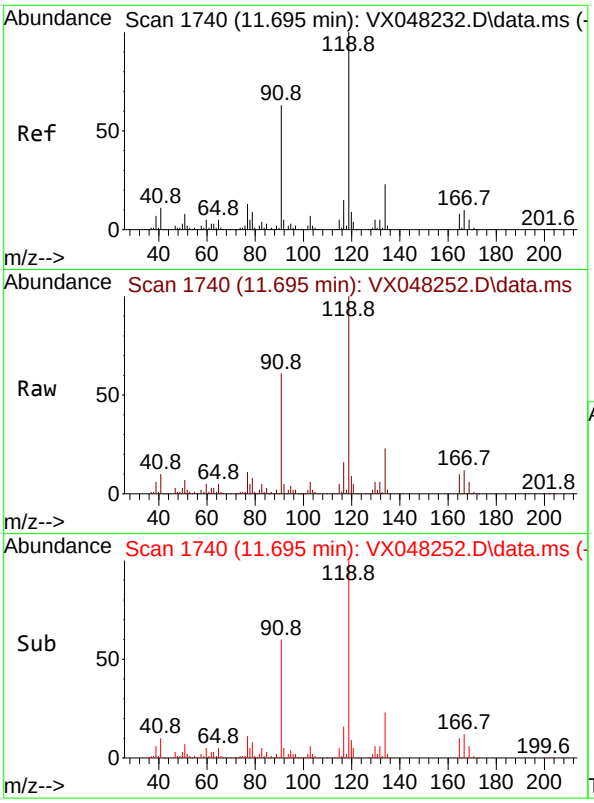




#82
4-Chlorotoluene
Concen: 45.973 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 91 Resp: 271398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.1 | 42.4 |



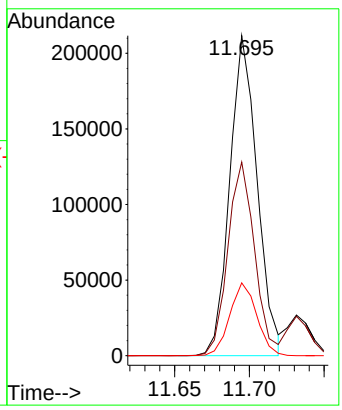


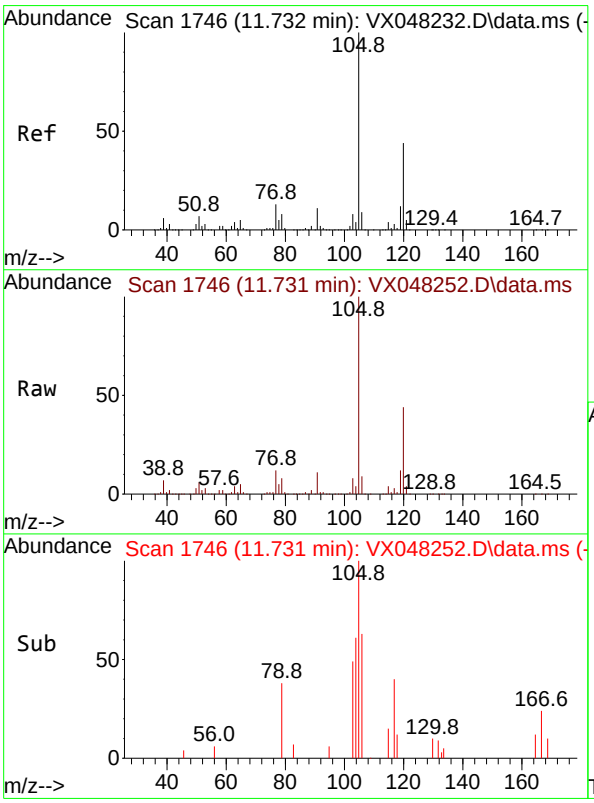

#83
tert-Butylbenzene
Concen: 44.748 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 269543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.1 | 30.3 | 91.0 |
| 134 | 22.5 | 11.4 | 34.2 |

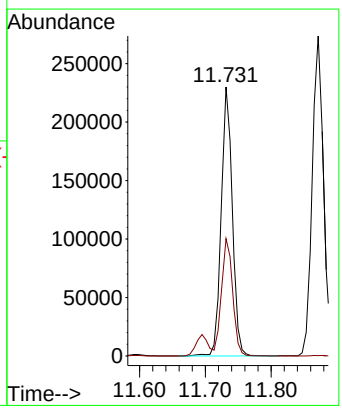


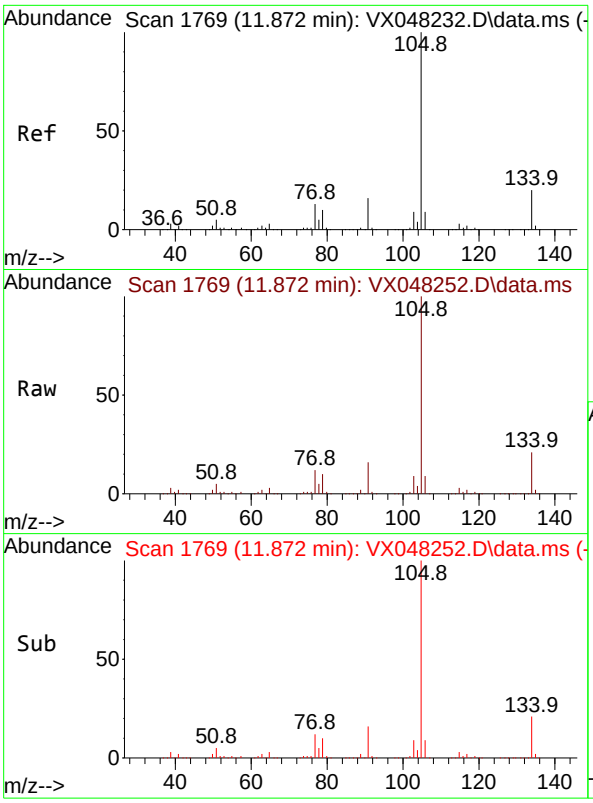




#84
1,2,4-Trimethylbenzene
Concen: 46.257 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:105 Resp: 270636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.7 | 22.1 | 66.5 |



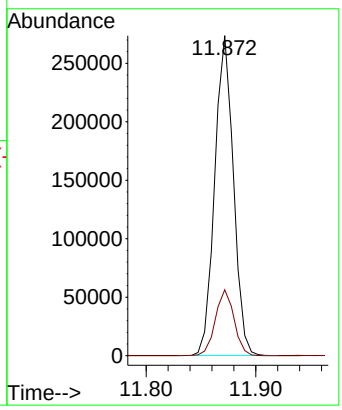


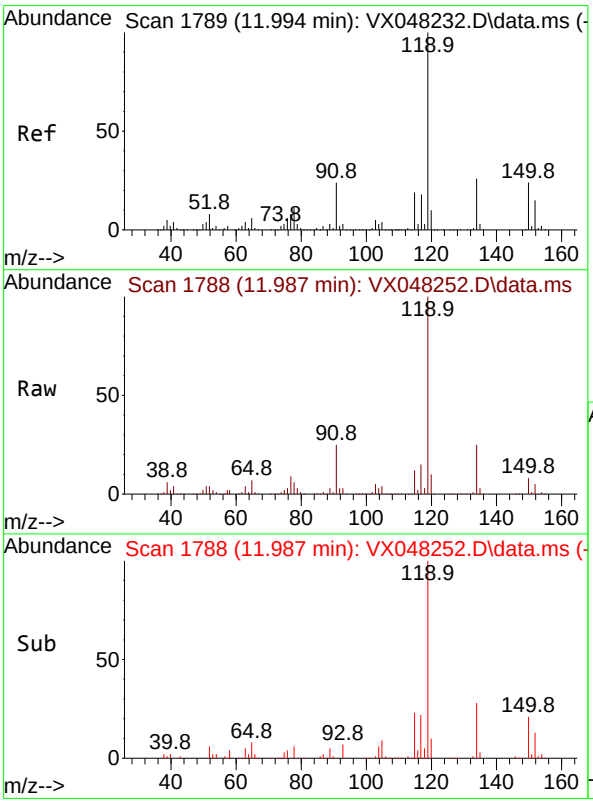

#85
sec-Butylbenzene
Concen: 44.772 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 324459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.6 | 10.1 | 30.1 |

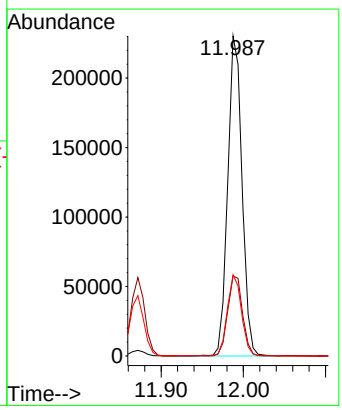


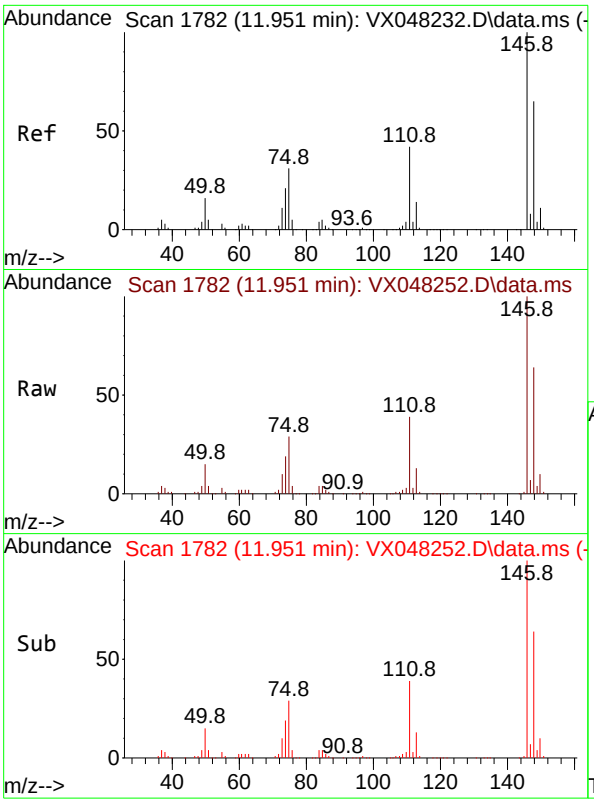




#86
p-Isopropyltoluene
Concen: 44.510 ug/l
RT: 11.987 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:119 Resp: 278806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.0 | 39.0 |
| 91 | 25.2 | 12.1 | 36.3 |



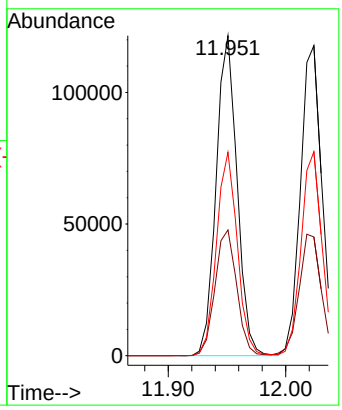


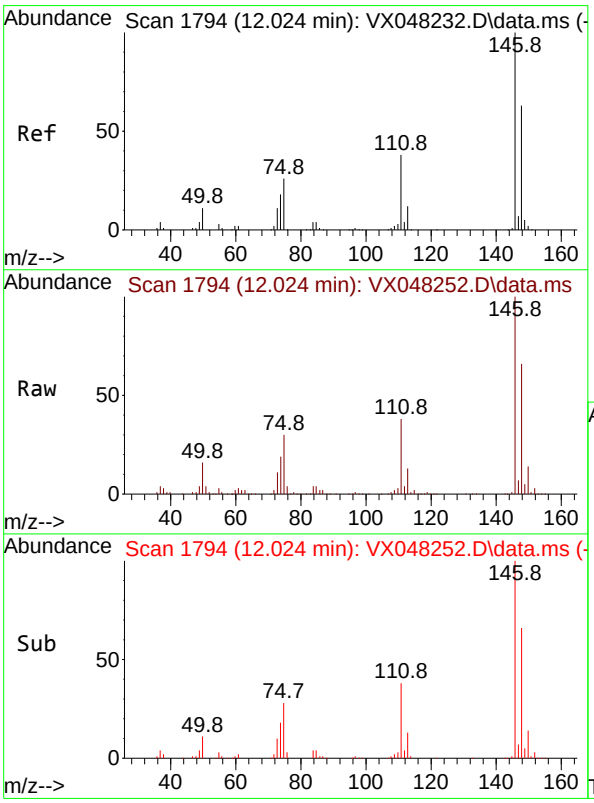

#87
1,3-Dichlorobenzene
Concen: 45.050 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 150857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 20.4 | 61.2 |
| 148 | 63.1 | 31.9 | 95.9 |

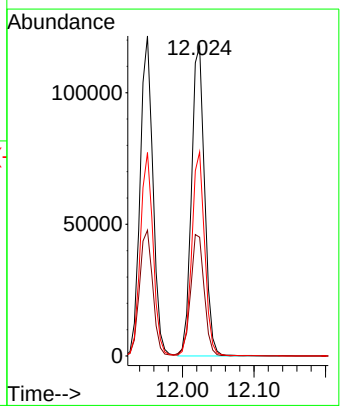


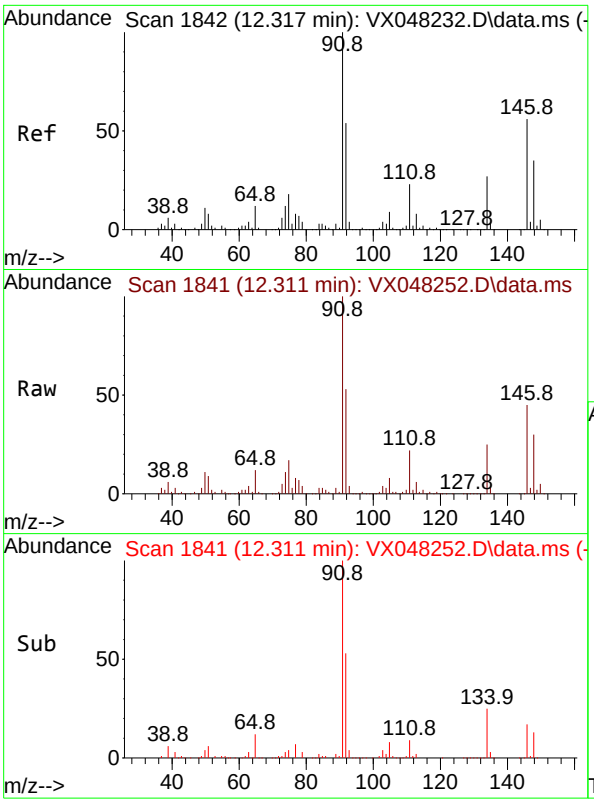




#88
1,4-Dichlorobenzene
Concen: 43.374 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:146 Resp: 150468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 20.1 | 60.2 |
| 148 | 64.4 | 31.8 | 95.3 |



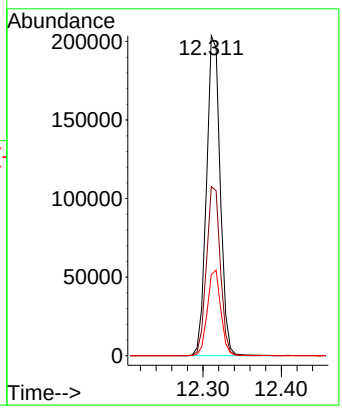


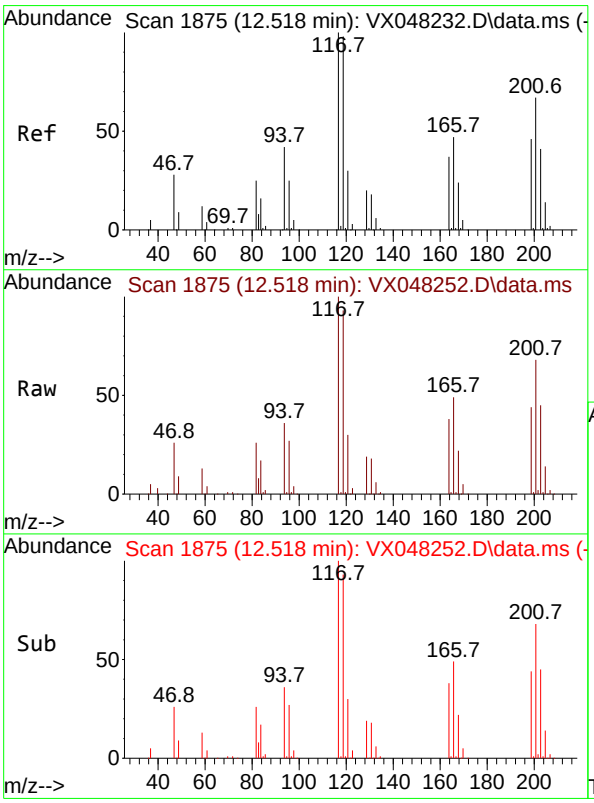

#89
n-Butylbenzene
Concen: 43.269 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 246692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.4 | 26.9 | 80.6 |
| 134 | 26.2 | 12.7 | 38.1 |

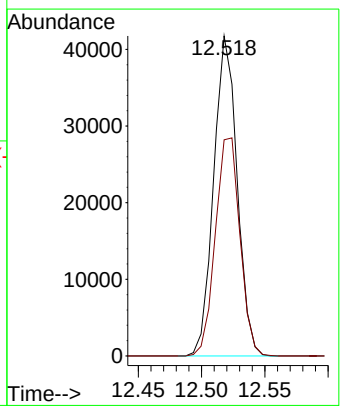


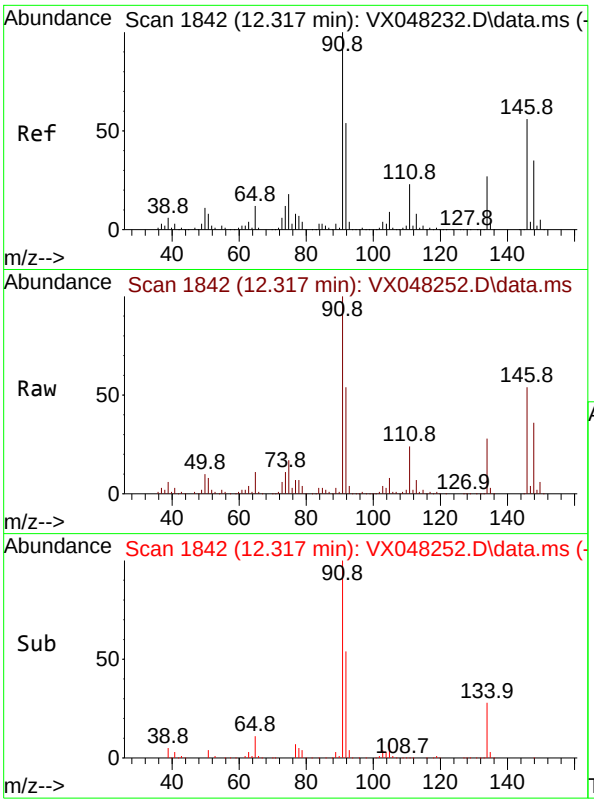




#90
Hexachloroethane
Concen: 43.425 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:117 Resp: 53716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.6 | 34.1 | 102.2 |



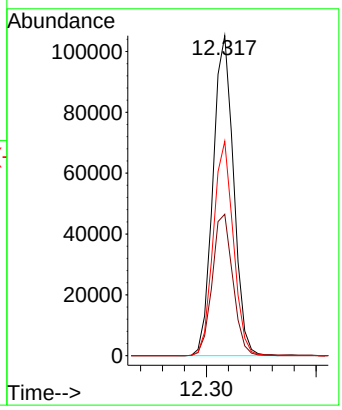


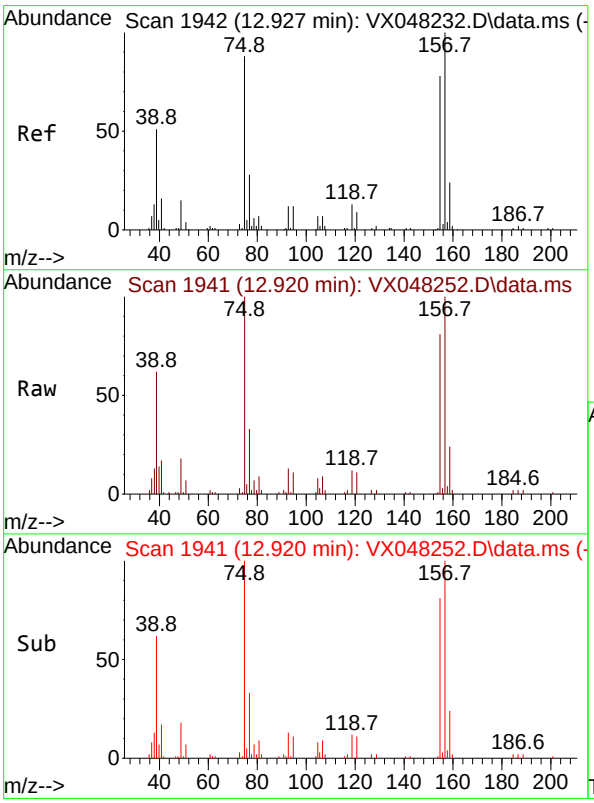

#91
1,2-Dichlorobenzene
Concen: 43.698 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 137387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 21.9 | 65.5 |
| 148 | 65.4 | 31.9 | 95.5 |

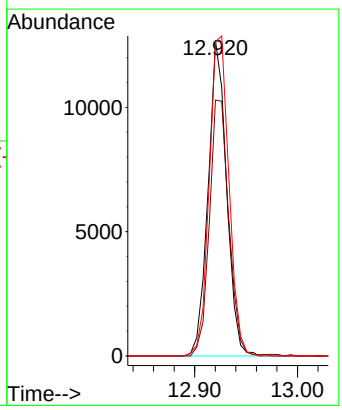


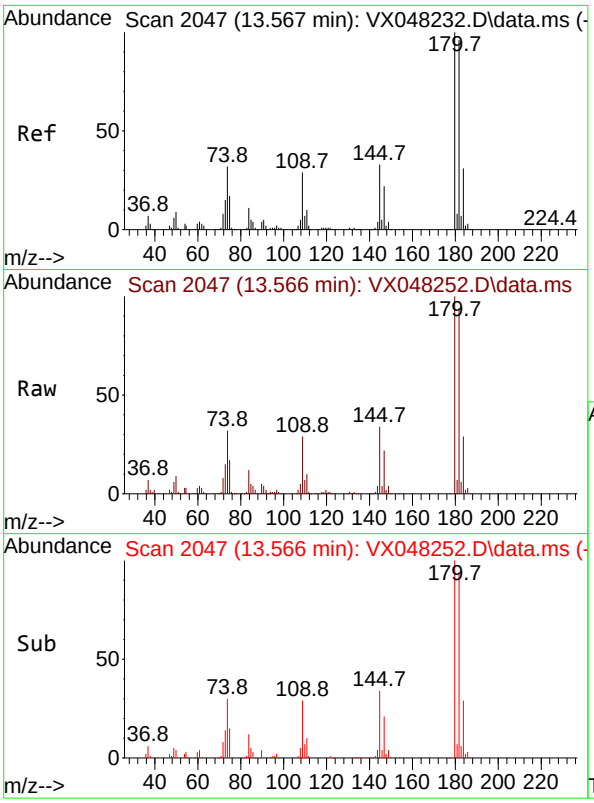




#92
1,2-Dibromo-3-Chloropropane
Concen: 40.283 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 15819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.2 | 42.8 | 128.4 |
| 157 | 108.0 | 54.2 | 162.6 |



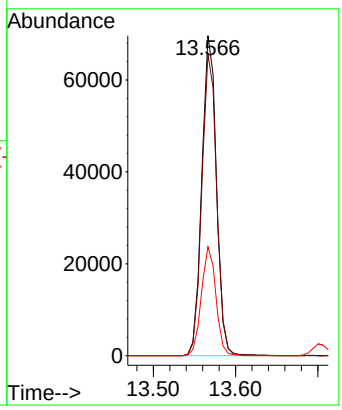


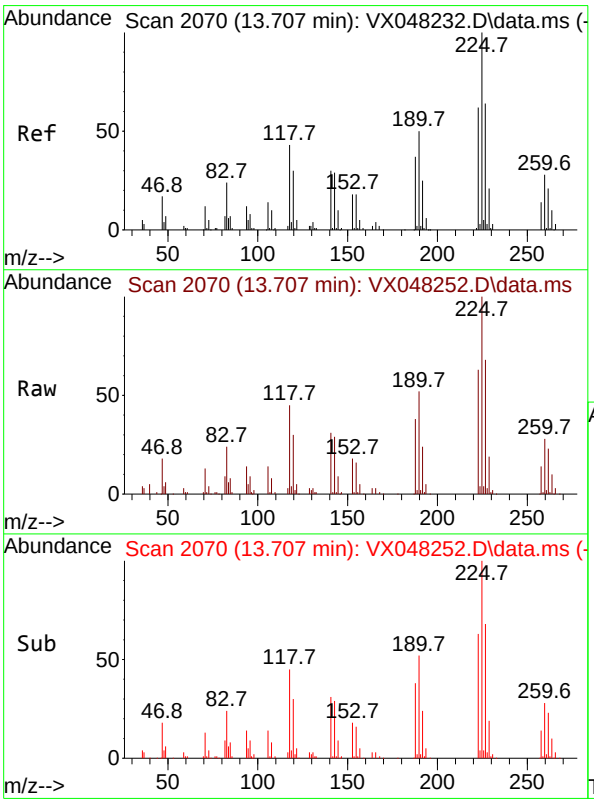

#93
1,2,4-Trichlorobenzene
Concen: 40.369 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 85831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 47.3 | 142.0 |
| 145 | 33.8 | 16.3 | 48.9 |

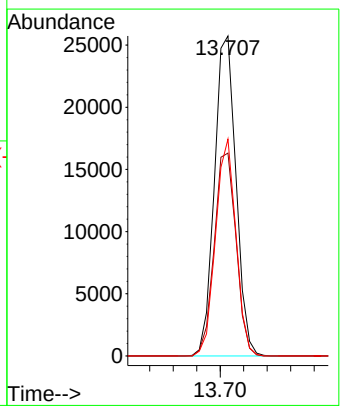


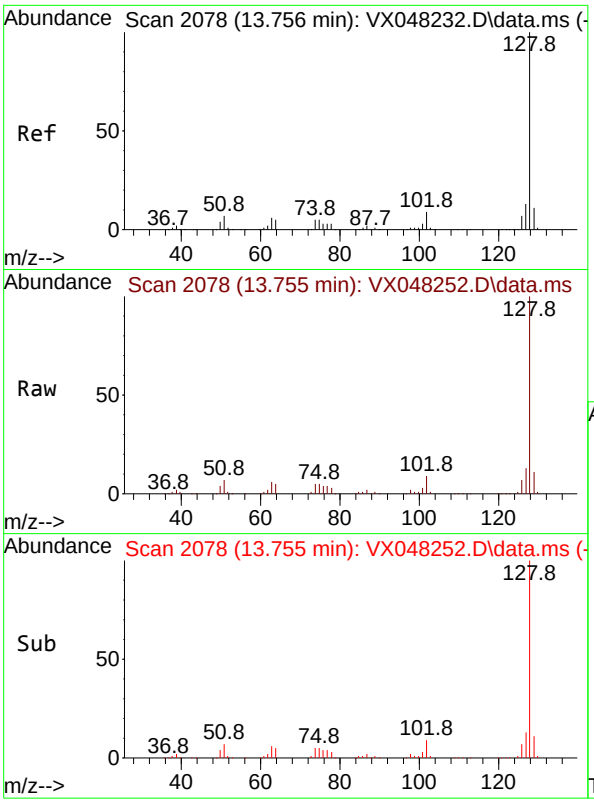




#94
Hexachlorobutadiene
Concen: 41.267 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:225 Resp: 32869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.3 | 32.6 | 97.7 |
| 227 | 64.0 | 32.5 | 97.4 |



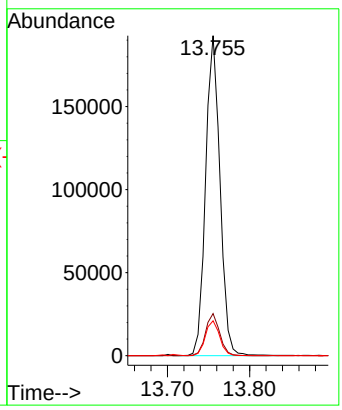


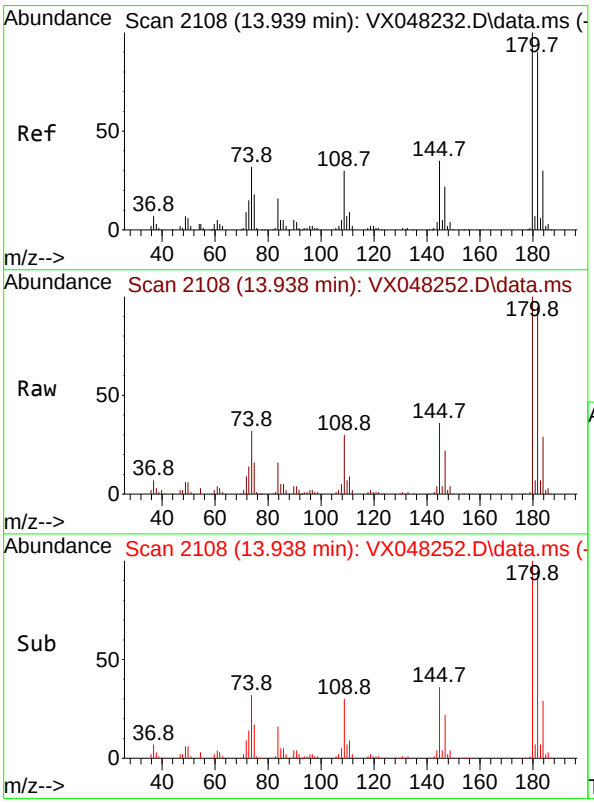

#95
Naphthalene
Concen: 41.531 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 233946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.4 |
| 129 | 10.9 | 8.6 | 12.8 |

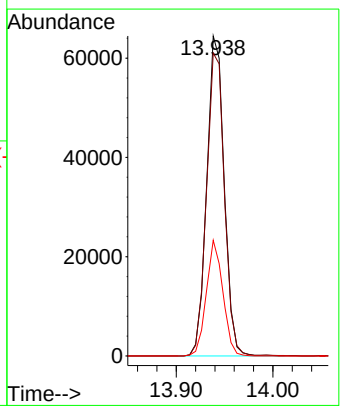



#96
1,2,3-Trichlorobenzene
Concen: 41.446 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:180 Resp: 80863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.0 | 46.6 | 139.7 |
| 145 | 34.4 | 16.9 | 50.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048255.D
Acq On : 21 Oct 2025 10:06
Operator : JC/MD
Sample : VX1021WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Quant Time: Oct 24 04:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 141199 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.738 | 114 | 230109 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 212342 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 110789 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 97363 | 49.180 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 98.360% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 77378 | 49.256 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.520% | | | |
| 50) Toluene-d8 | 8.628 | 98 | 263067 | 47.776 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 95.560% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 104113 | 49.702 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 99.400% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.178 | 85 | 24401 | 16.810 | ug/l | 98 |
| 3) Chloromethane | 1.300 | 50 | 24074 | 17.768 | ug/l | 98 |
| 4) Vinyl Chloride | 1.380 | 62 | 22127 | 17.636 | ug/l | 98 |
| 5) Bromomethane | 1.617 | 94 | 16447 | 19.316 | ug/l | 99 |
| 6) Chloroethane | 1.697 | 64 | 13922 | 18.884 | ug/l | 91 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 42595 | 17.702 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 12470 | 18.418 | ug/l | 91 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 26749 | 17.555 | ug/l | 96 |
| 10) Methyl Iodide | 2.453 | 142 | 32960 | 17.207 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.940 | 59 | 13580 | 69.088 | ug/l # | 85 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 26679 | 17.997 | ug/l | 89 |
| 13) Acrolein | 2.233 | 56 | 19860 | 99.067 | ug/l | 99 |
| 14) Allyl chloride | 2.666 | 41 | 43917 | 17.844 | ug/l | 97 |
| 15) Acrylonitrile | 3.056 | 53 | 59914 | 84.532 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 55899 | 82.307 | ug/l | 97 |
| 17) Carbon Disulfide | 2.514 | 76 | 77662 | 16.623 | ug/l | 97 |
| 18) Methyl Acetate | 2.696 | 43 | 24826 | 17.503 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 89211 | 17.640 | ug/l | 95 |
| 20) Methylene Chloride | 2.788 | 84 | 31545 | 19.062 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 29134 | 17.892 | ug/l | 97 |
| 22) Diisopropyl ether | 3.745 | 45 | 95604 | 19.476 | ug/l | 91 |
| 23) Vinyl Acetate | 3.708 | 43 | 367608 | 93.748 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 54562 | 18.382 | ug/l | 98 |
| 25) 2-Butanone | 4.538 | 43 | 73253 | 85.214 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.464 | 77 | 47833 | 17.854 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 35928 | 18.906 | ug/l | 98 |
| 28) Bromochloromethane | 4.879 | 49 | 26532 | 21.558 | ug/l | 88 |
| 29) Tetrahydrofuran | 4.983 | 42 | 43984 | 85.433 | ug/l | 97 |
| 30) Chloroform | 5.074 | 83 | 59628 | 18.803 | ug/l | 98 |
| 31) Cyclohexane | 5.452 | 56 | 47112 | 19.171 | ug/l | 94 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 52848 | 18.082 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 40242 | 18.023 | ug/l | 100 |
| 37) Ethyl Acetate | 4.690 | 43 | 32251 | 17.426 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 46896 | 17.024 | ug/l | 98 |
| 39) Methylcyclohexane | 7.360 | 83 | 44764 | 16.976 | ug/l | 95 |
| 40) Benzene | 6.019 | 78 | 120185 | 18.540 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048255.D
Acq On : 21 Oct 2025 10:06
Operator : JC/MD
Sample : VX1021WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Quant Time: Oct 24 04:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.897 | 41 | 17591 | 18.099 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.062 | 62 | 45577 | 19.053 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.318 | 43 | 52903 | 17.402 | ug/l | | 96 |
| 44) Trichloroethene | 7.110 | 130 | 30995 | 18.107 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 29673 | 19.252 | ug/l | | 95 |
| 46) Dibromomethane | 7.567 | 93 | 22037 | 18.352 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.799 | 83 | 48240 | 18.606 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.677 | 41 | 26320 | 17.158 | ug/l | | 94 |
| 49) 1,4-Dioxane | 7.647 | 88 | 5926 | 292.405 | ug/l | # | 88 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 152275 | 86.877 | ug/l | | 96 |
| 52) Toluene | 8.701 | 92 | 77240 | 18.755 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 46020 | 18.419 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 50705 | 18.810 | ug/l | | 95 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 29313 | 19.140 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.098 | 69 | 39990 | 17.852 | ug/l | | 93 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 50123 | 19.160 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 98096 | 82.586 | ug/l | | 96 |
| 59) 2-Hexanone | 9.415 | 43 | 104997 | 85.909 | ug/l | | 96 |
| 60) Dibromochloromethane | 9.500 | 129 | 37288 | 18.114 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 30294 | 18.554 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.256 | 164 | 26804 | 16.909 | ug/l | | 99 |
| 65) Chlorobenzene | 10.061 | 112 | 85855 | 17.974 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 30819 | 17.566 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 144956 | 17.824 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 111086 | 36.763 | ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 52686 | 18.060 | ug/l | | 97 |
| 70) Styrene | 10.634 | 104 | 93575 | 18.838 | ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 23770 | 16.952 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 138728 | 17.144 | ug/l | | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 46339 | 16.144 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 38121 | 17.251 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 39397 | 21.928 | ug/l | | 81 |
| 77) Bromobenzene | 11.177 | 156 | 34669 | 17.087 | ug/l | | 94 |
| 78) n-propylbenzene | 11.286 | 91 | 161765 | 17.266 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 98234 | 17.293 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 114762 | 17.137 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 12207 | 16.530 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 115993 | 17.202 | ug/l | | 97 |
| 83) tert-Butylbenzene | 11.695 | 119 | 117710 | 17.108 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 114927 | 17.197 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 138342 | 16.712 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.987 | 119 | 119237 | 16.665 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 65615 | 17.154 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 65796 | 16.604 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.317 | 91 | 103383 | 15.875 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 22360 | 15.825 | ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 61839 | 17.219 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.926 | 75 | 6372 | 14.205 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.566 | 180 | 36955 | 15.216 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 14253 | 15.707 | ug/l | | 97 |
| 95) Naphthalene | 13.755 | 128 | 98736 | 15.345 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.944 | 180 | 34440 | 15.454 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048255.D
Acq On : 21 Oct 2025 10:06
Operator : JC/MD
Sample : VX1021WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Quant Time: Oct 24 04:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

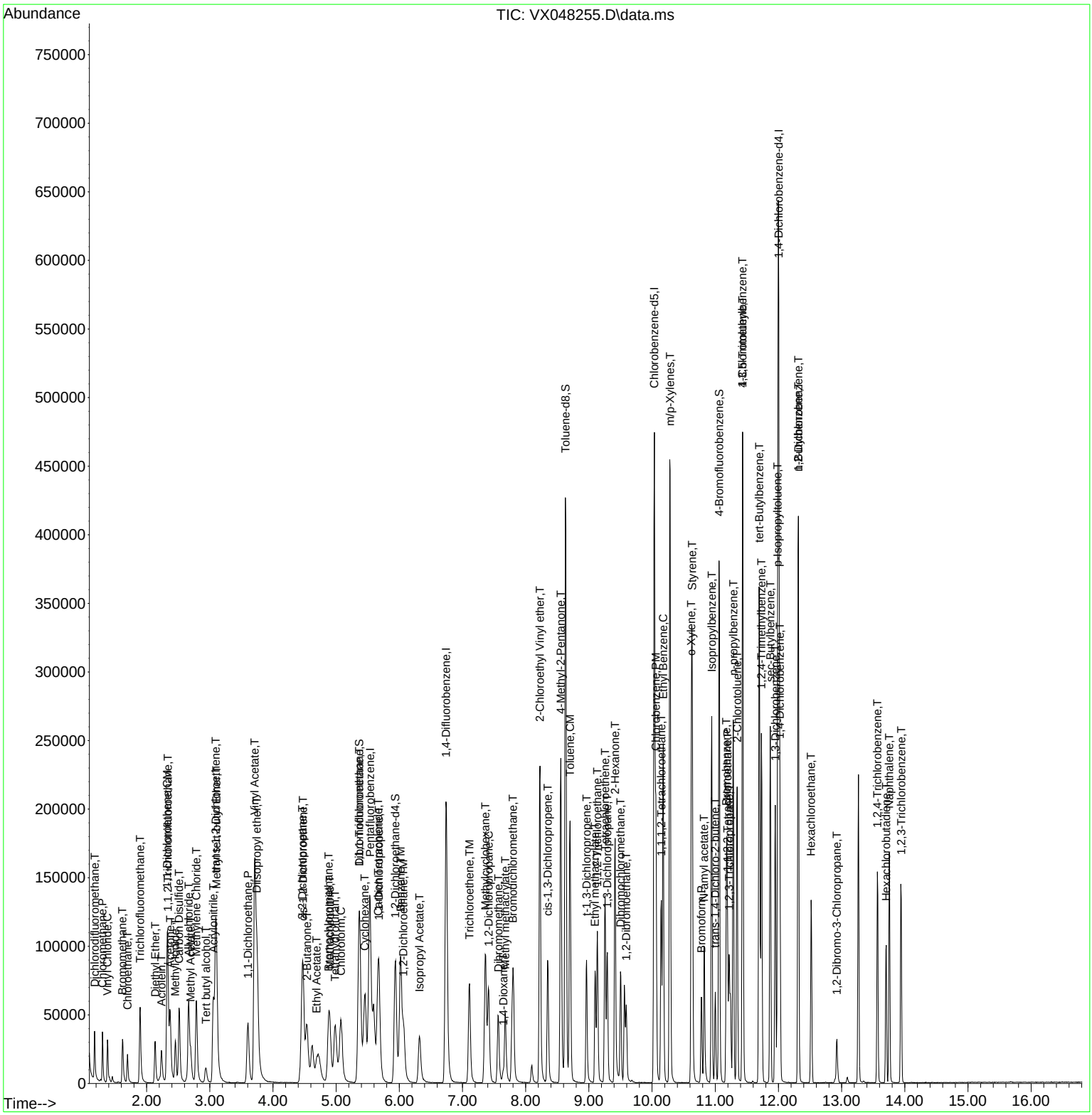
(#) = qualifier out of range (m) = manual integration (+) = signals summed

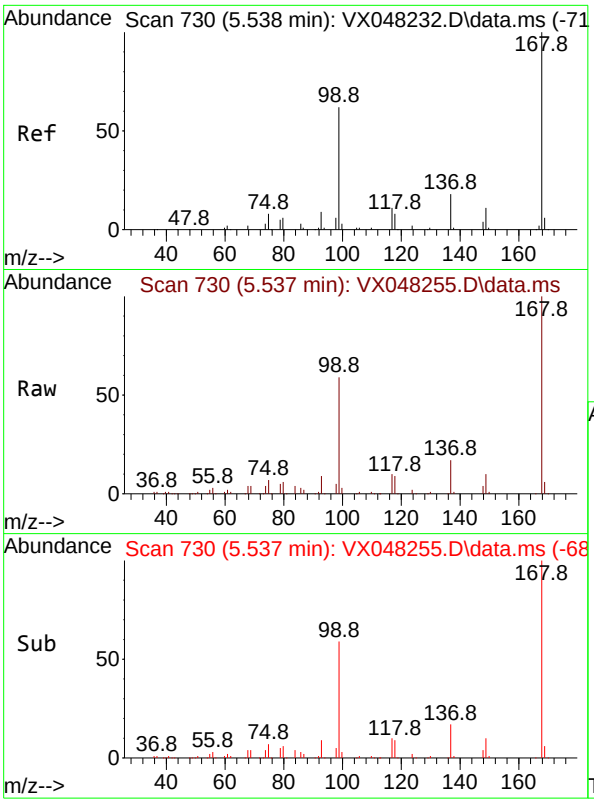
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048255.D
Acq On : 21 Oct 2025 10:06
Operator : JC/MD
Sample : VX1021WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Quant Time: Oct 24 04:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



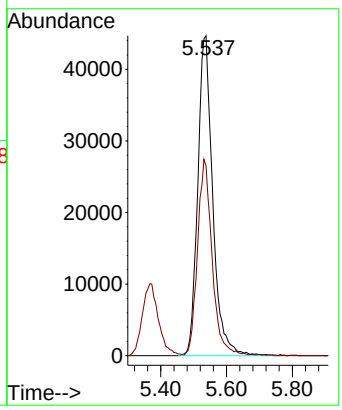


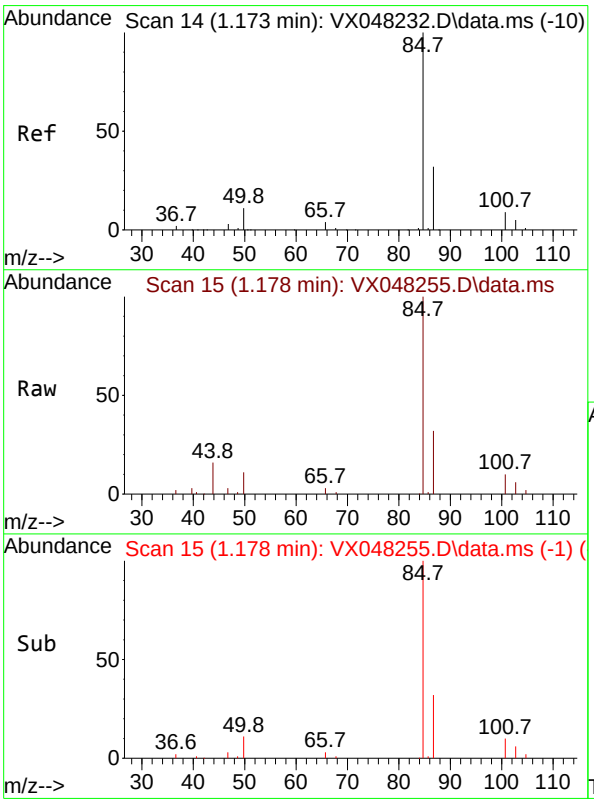

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:168 Resp: 141199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.3 | 46.4 | 69.6 |

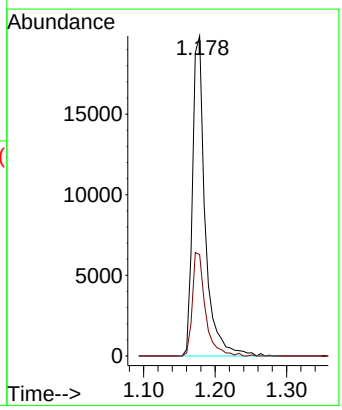


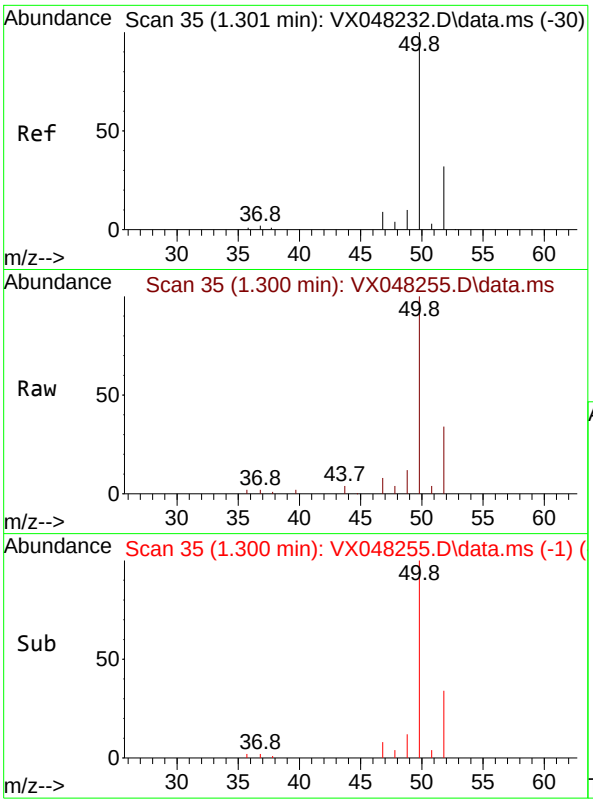




#2
Dichlorodifluoromethane
Concen: 16.810 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 85 Resp: 24401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 15.3 | 45.9 |



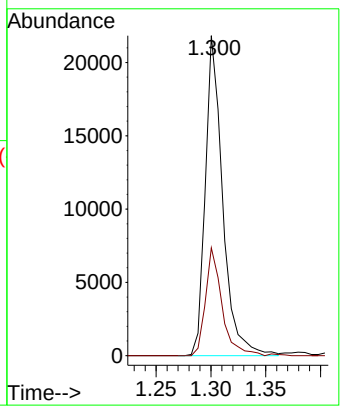


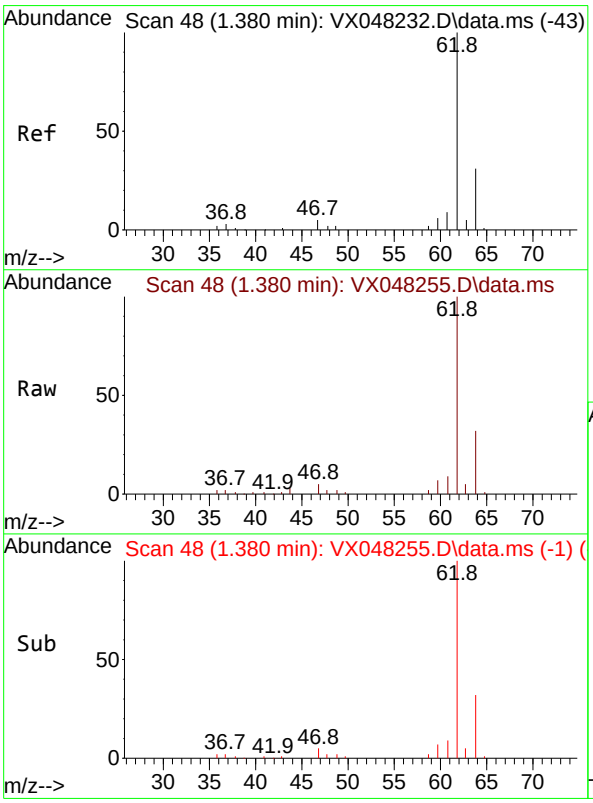

#3
Chloromethane
Concen: 17.768 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 50 Resp: 24074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.7 | 25.9 | 38.9 |

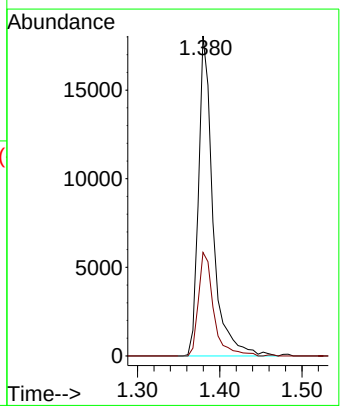


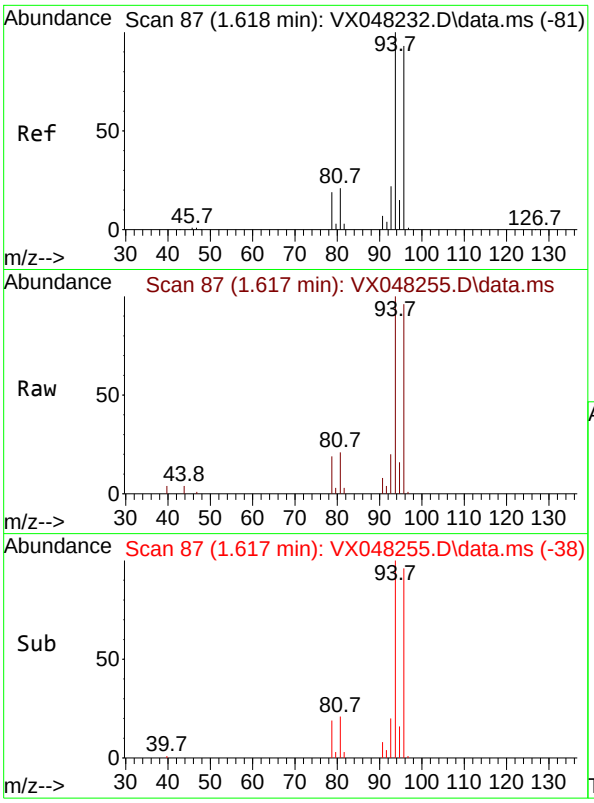




#4
Vinyl Chloride
Concen: 17.636 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 62 Resp: 22127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.3 | 25.1 | 37.7 |



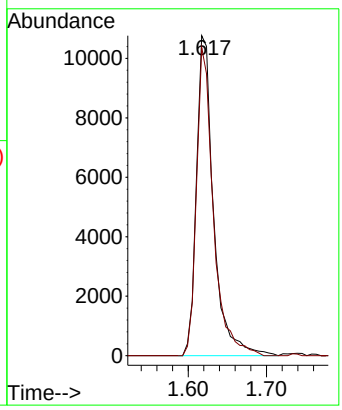


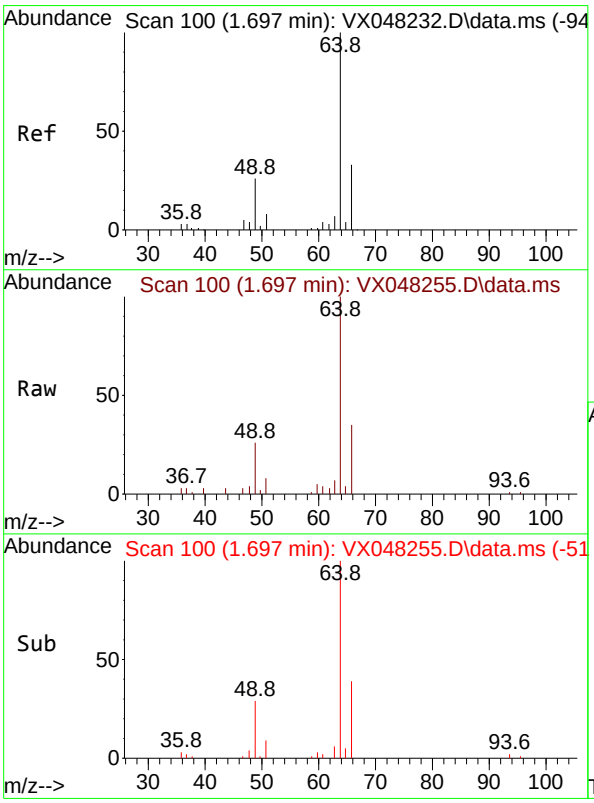

#5
Bromomethane
Concen: 19.316 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 94 Resp: 16447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.3 | 76.0 | 114.0 |

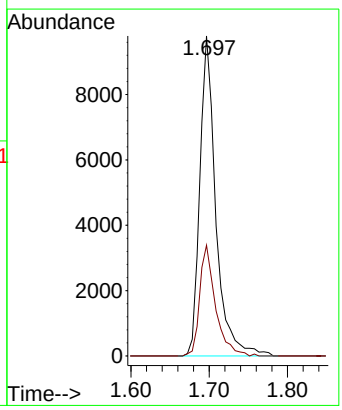


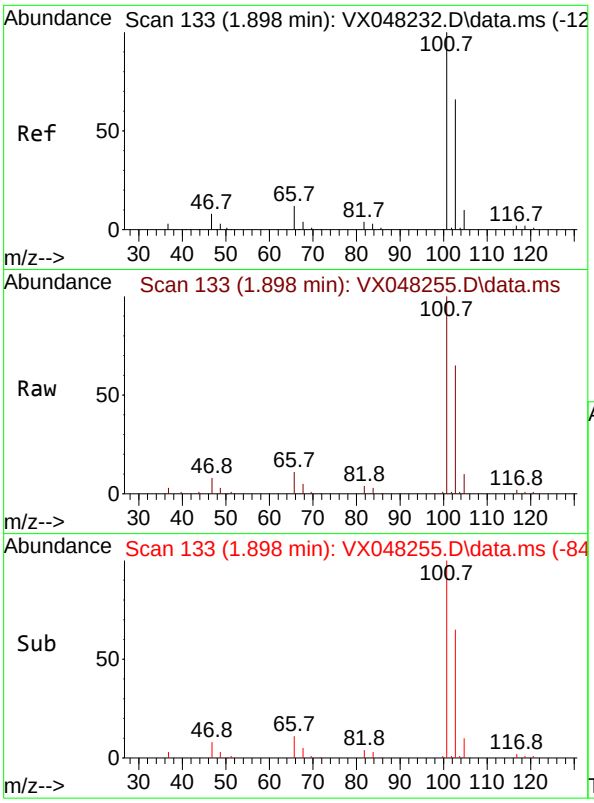




#6
Chloroethane
Concen: 18.884 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 64 Resp: 13922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.6 | 23.9 | 35.9 |



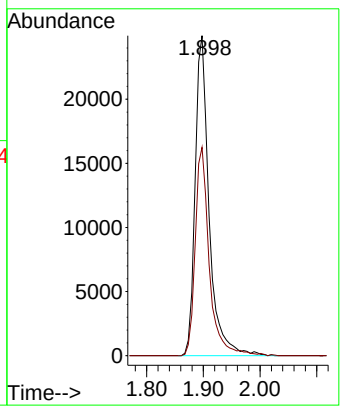


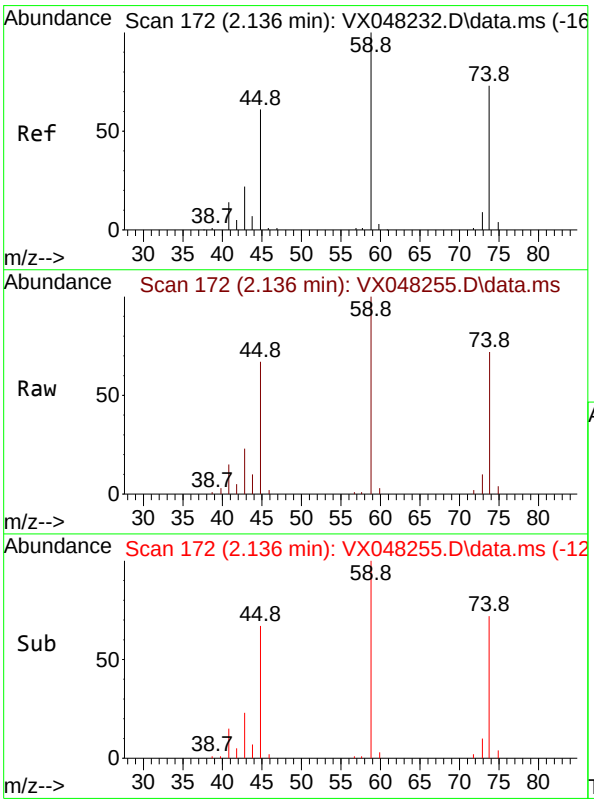

#7
Trichlorofluoromethane
Concen: 17.702 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:101 Resp: 42595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.1 | 51.6 | 77.4 |

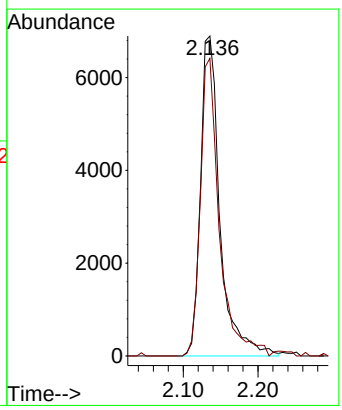


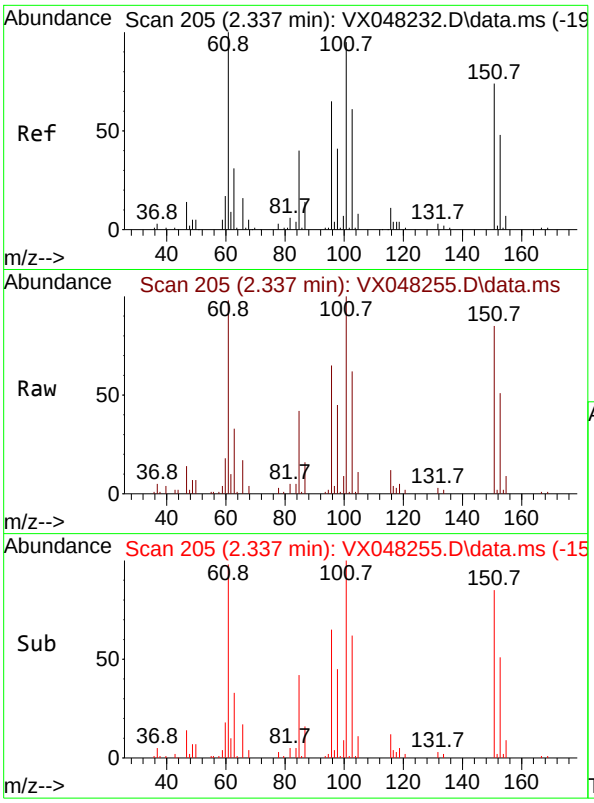




#8
Diethyl Ether
Concen: 18.418 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 74 Resp: 12470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 91.2 | 50.0 | 149.8 |



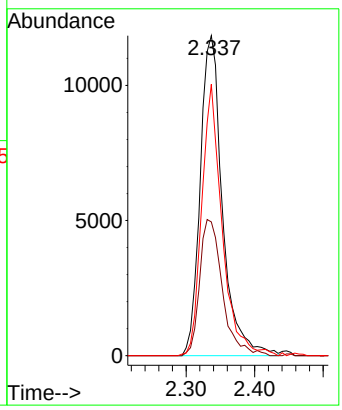


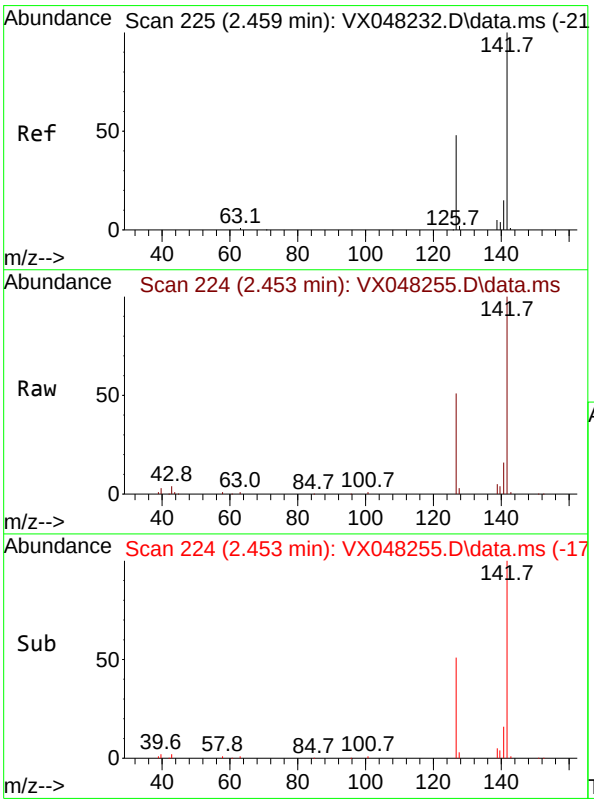

#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.555 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:101 Resp: 26749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.6 | 35.6 | 53.4 |
| 151 | 77.6 | 58.0 | 87.0 |

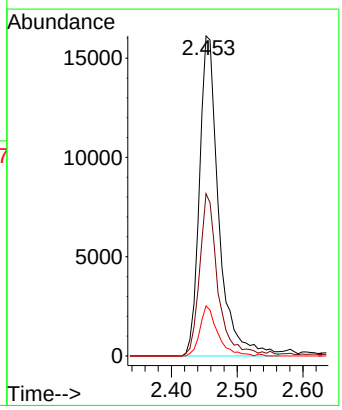


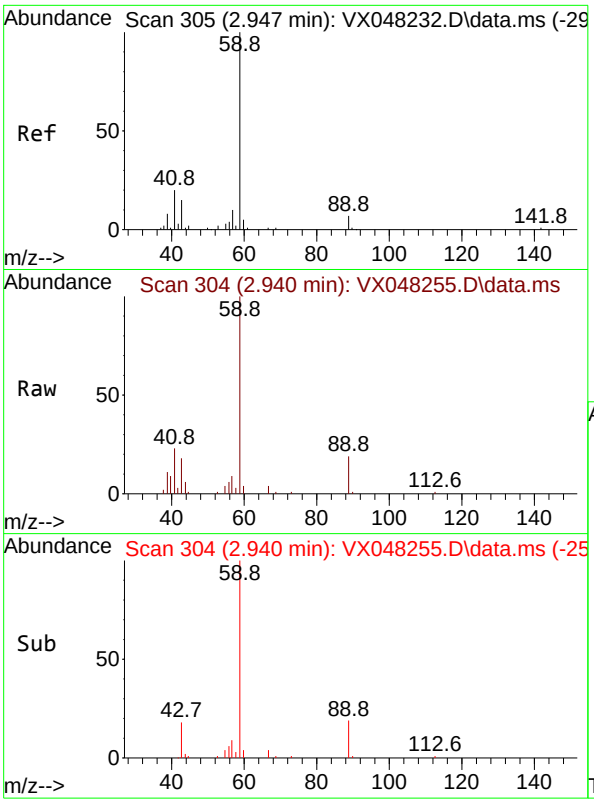




#10
Methyl Iodide
Concen: 17.207 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:142 Resp: 32960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.3 | 38.5 | 57.7 |
| 141 | 14.3 | 11.6 | 17.4 |



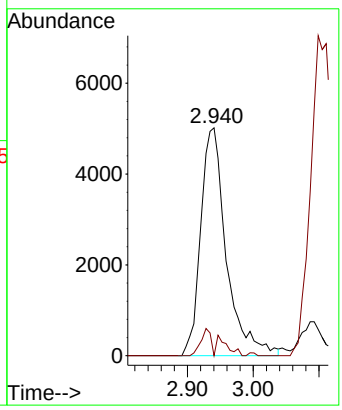


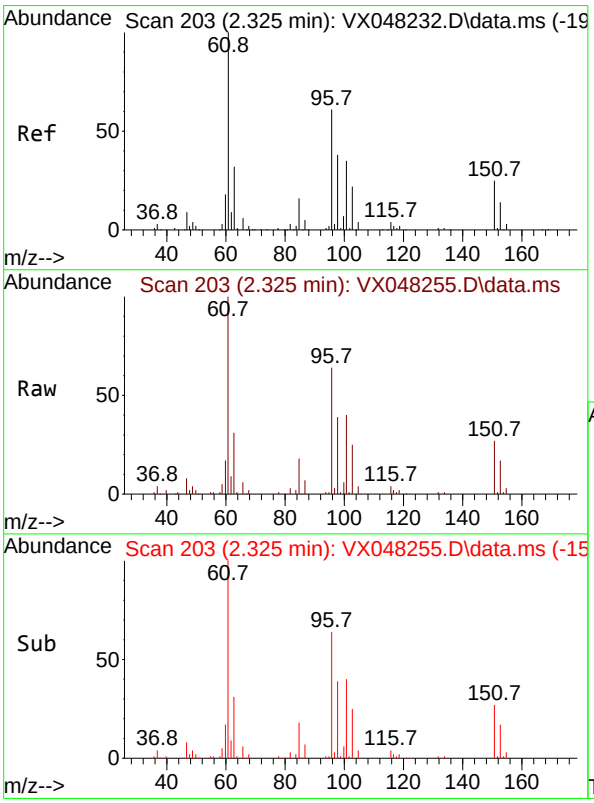

#11
Tert butyl alcohol
Concen: 69.088 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 59 Resp: 13580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 4.6 | 8.2 | 12.4# |

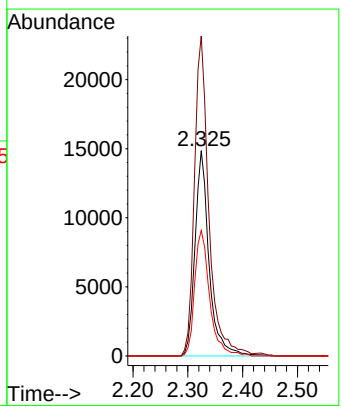


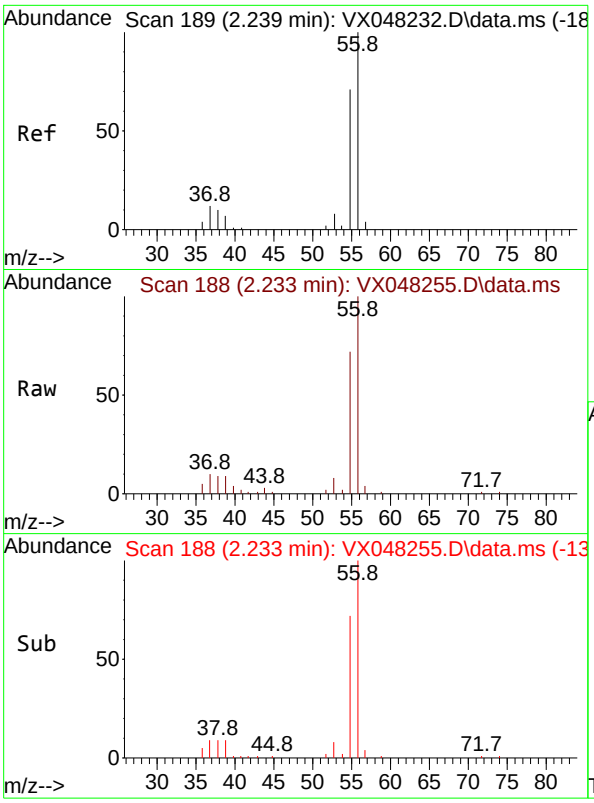




#12
1,1-Dichloroethene
Concen: 17.997 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 96 Resp: 26679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.9 | 139.0 | 208.6 |
| 98 | 61.1 | 52.4 | 78.6 |



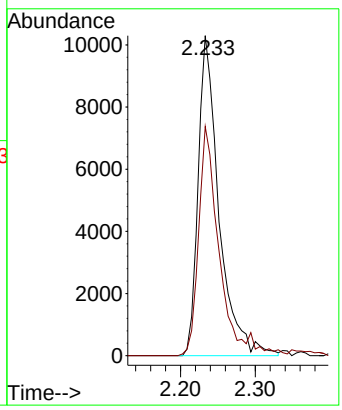


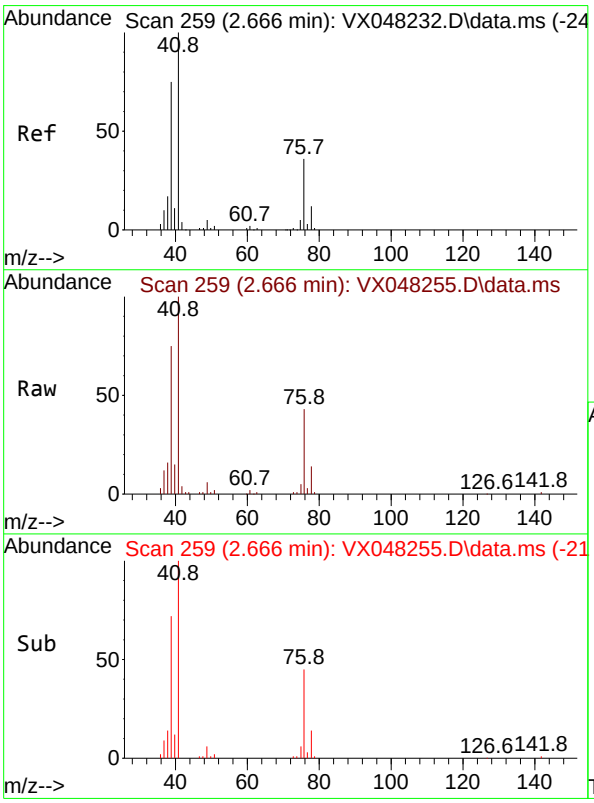

#13
Acrolein
Concen: 99.067 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 56 Resp: 19860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.1 | 56.1 | 84.1 |

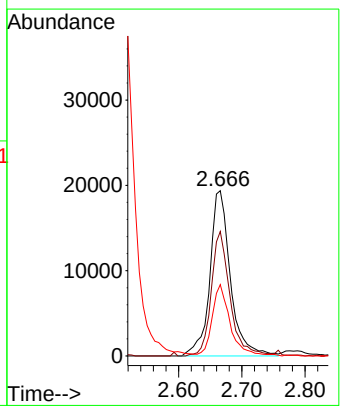


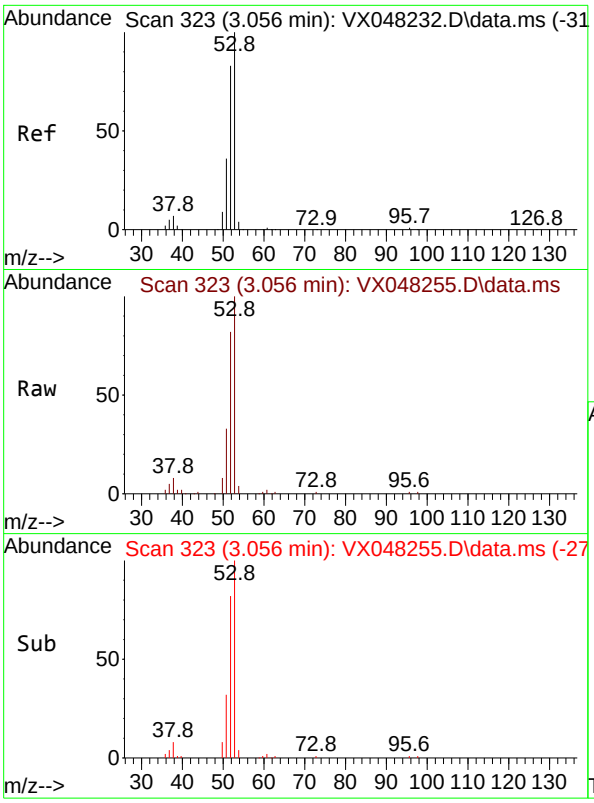




#14
Allyl chloride
Concen: 17.844 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 41 Resp: 43917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 68.3 | 56.0 | 84.0 |
| 76 | 37.7 | 27.5 | 41.3 |



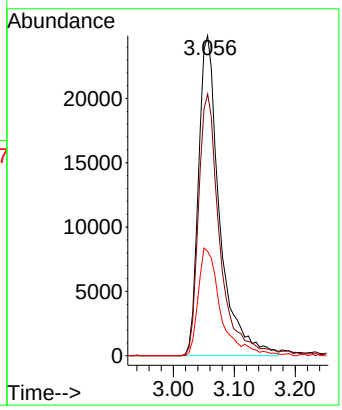


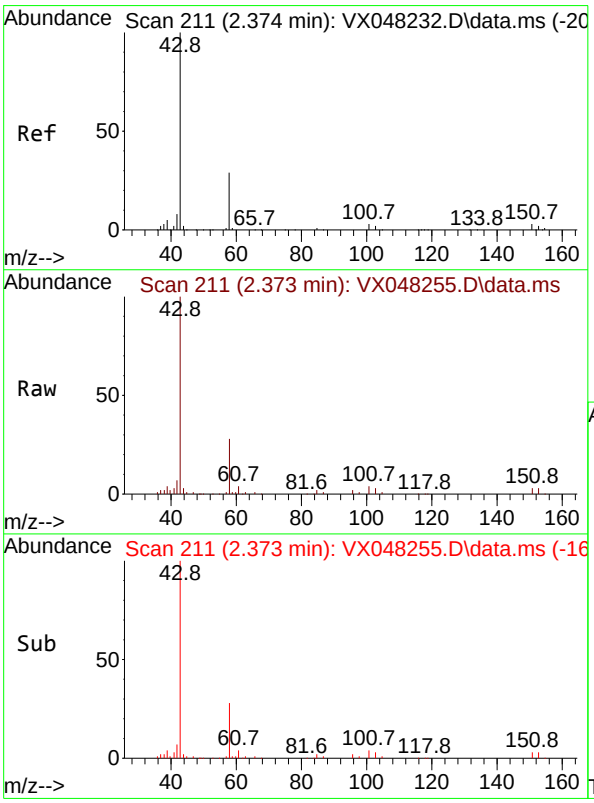

#15
Acrylonitrile
Concen: 84.532 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 53 Resp: 59914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.0 | 66.1 | 99.1 |
| 51 | 36.0 | 29.0 | 43.4 |

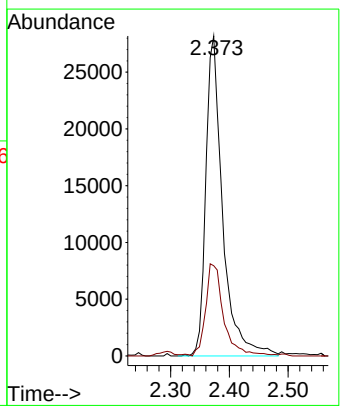


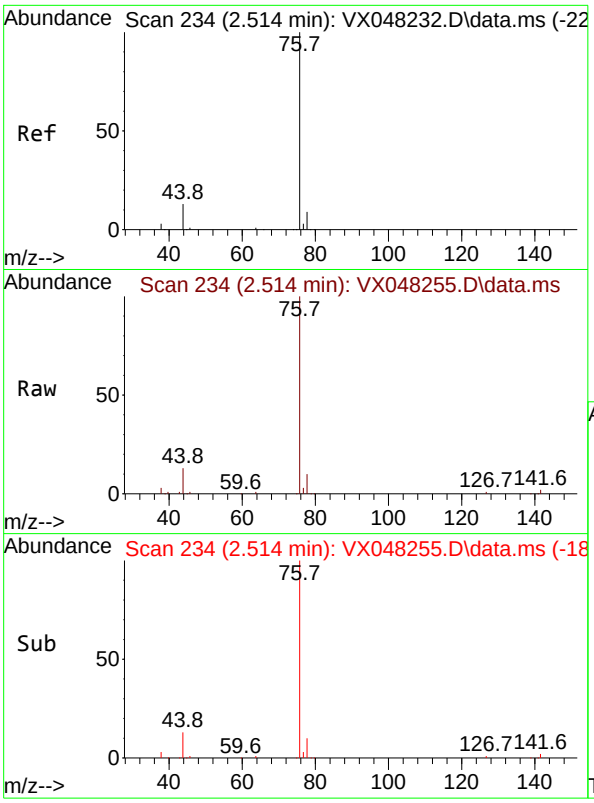




#16
Acetone
Concen: 82.307 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 43 Resp: 55899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.8 | 23.4 | 35.2 |



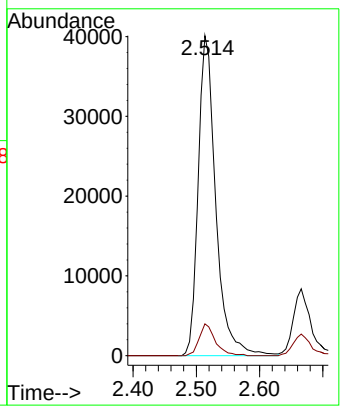


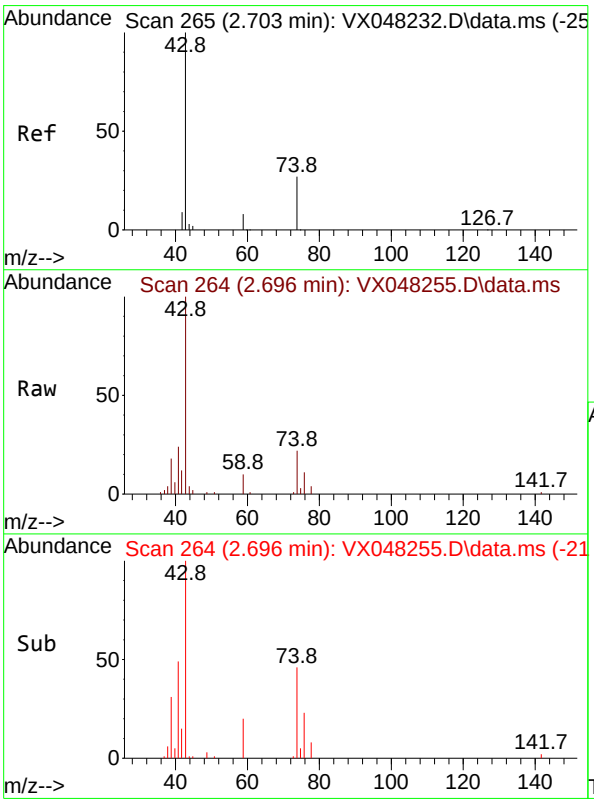

#17
Carbon Disulfide
Concen: 16.623 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 76 Resp: 77662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.9 | 7.1 | 10.7 |

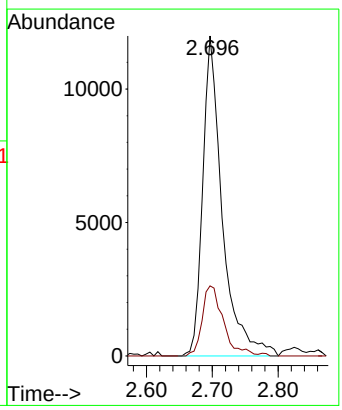


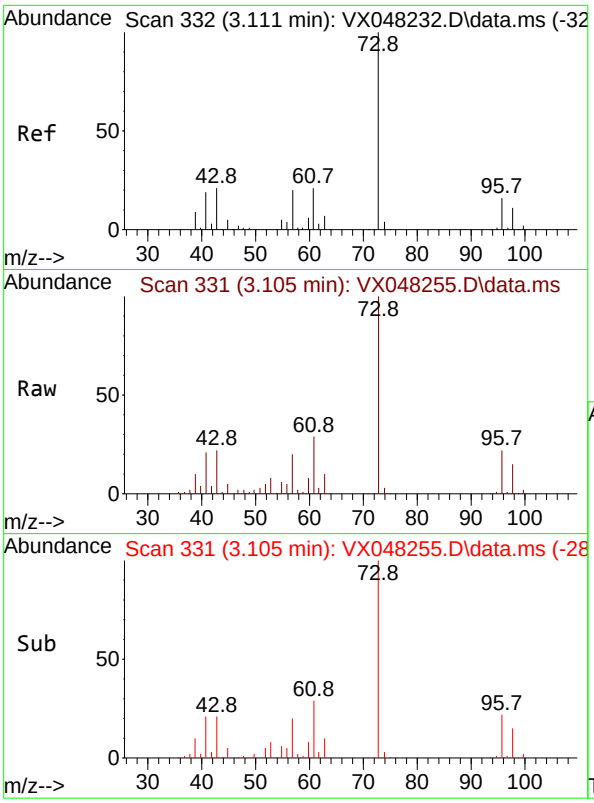




#18
Methyl Acetate
Concen: 17.503 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 43 Resp: 24826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.6 | 17.5 | 26.3 |



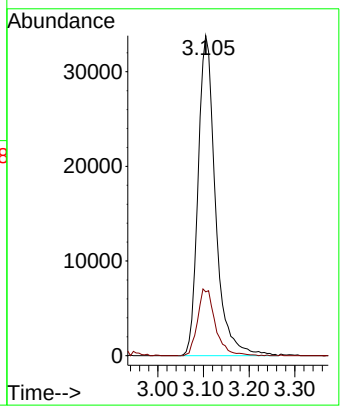


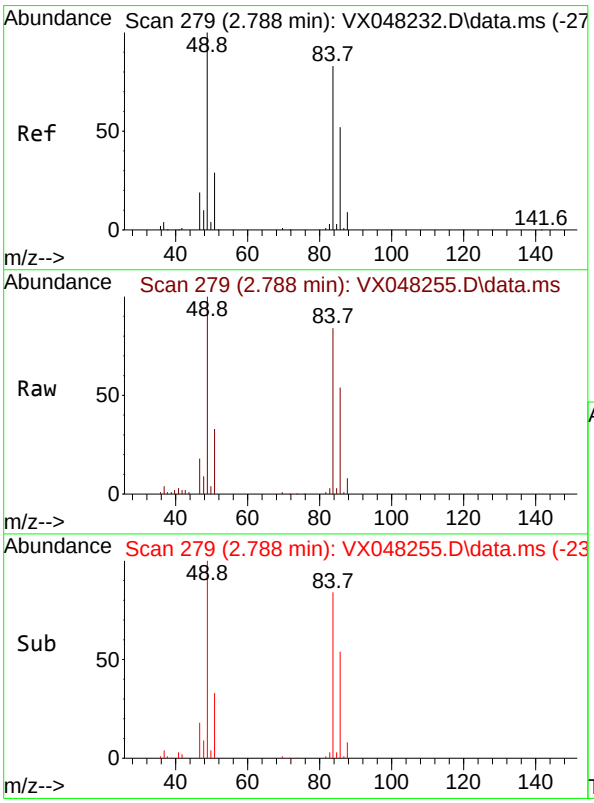

#19
Methyl tert-butyl Ether
Concen: 17.640 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 73 Resp: 89211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 19.9 | 17.7 | 26.5 |

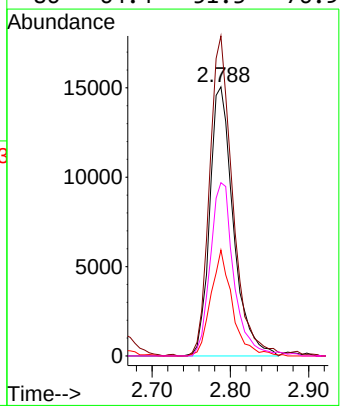


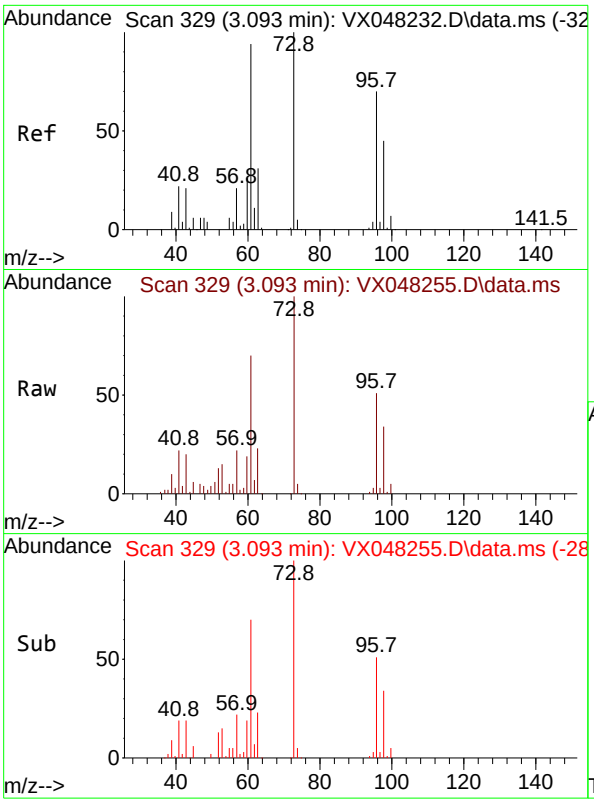




#20
Methylene Chloride
Concen: 19.062 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 84 Resp: 31545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 118.9 | 104.1 | 156.1 |
| 51 | 39.3 | 31.3 | 46.9 |
| 86 | 64.4 | 51.3 | 76.9 |



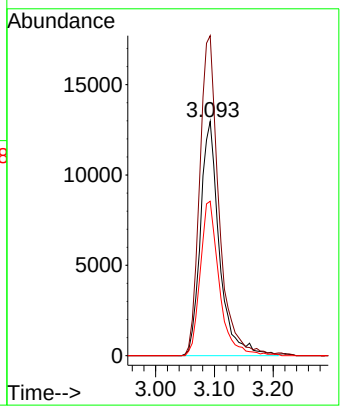


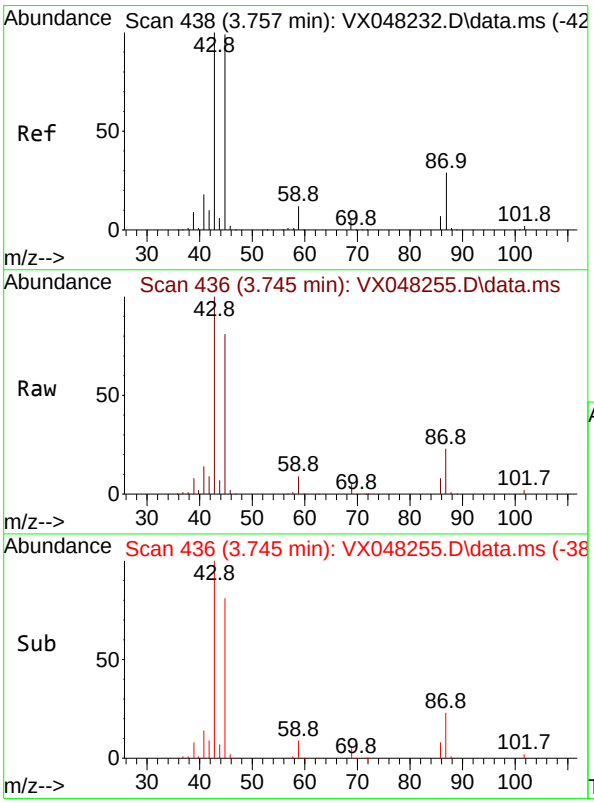

#21
trans-1,2-Dichloroethene
Concen: 17.892 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 96 Resp: 29134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.6 | 111.9 | 167.9 |
| 98 | 66.0 | 51.2 | 76.8 |

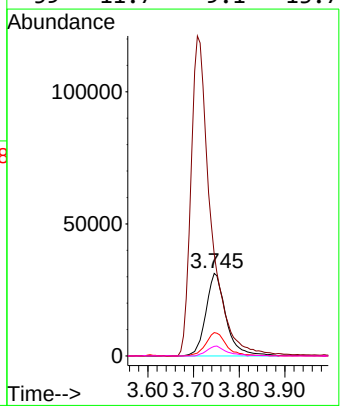


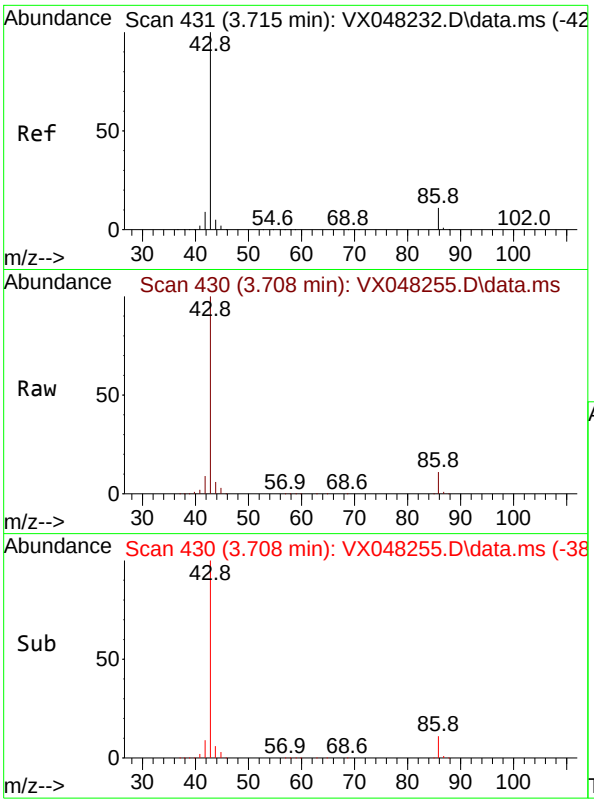




#22
Diisopropyl ether
Concen: 19.476 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 45 Resp: 95604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 123.5 | 89.8 | 134.8 |
| 87 | 28.3 | 20.6 | 31.0 |
| 59 | 11.7 | 9.1 | 13.7 |



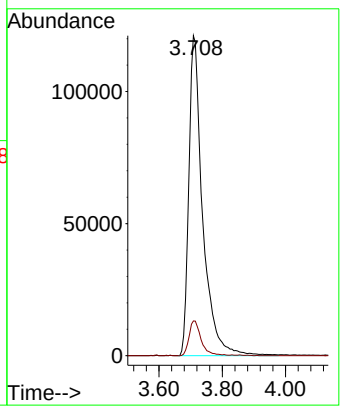


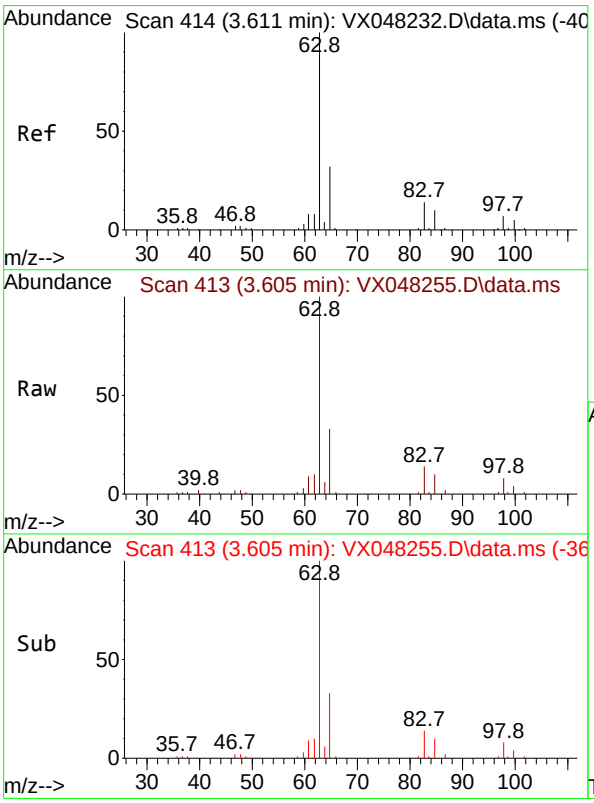

#23
Vinyl Acetate
Concen: 93.748 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 43 Resp: 367608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.9 | 7.9 | 11.9 |

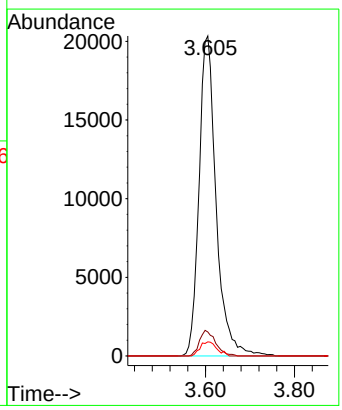


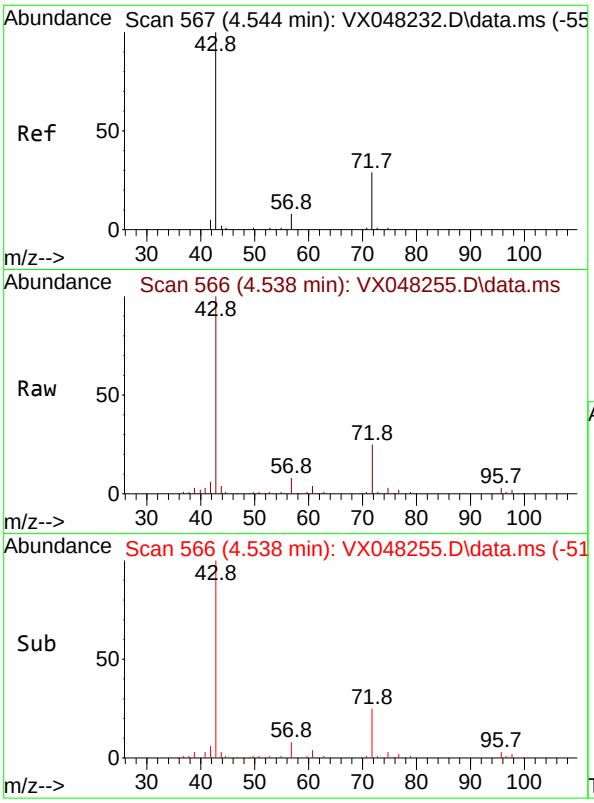




#24
1,1-Dichloroethane
Concen: 18.382 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 63 Resp: 54562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.3 | 3.5 | 10.6 |
| 100 | 4.4 | 2.1 | 6.3 |



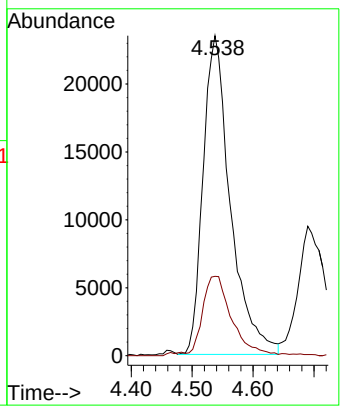


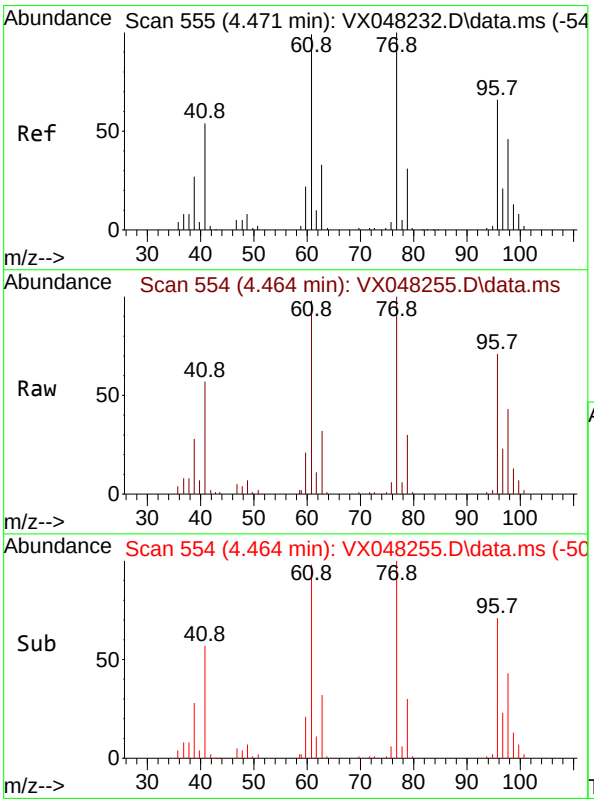

#25
2-Butanone
Concen: 85.214 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 43 Resp: 73253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.7 | 19.9 | 29.9 |

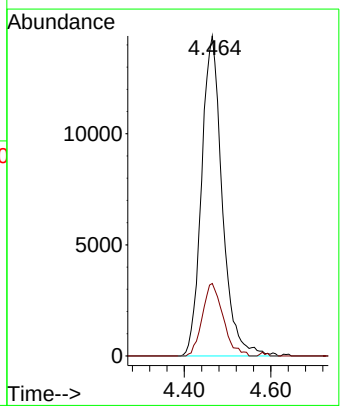


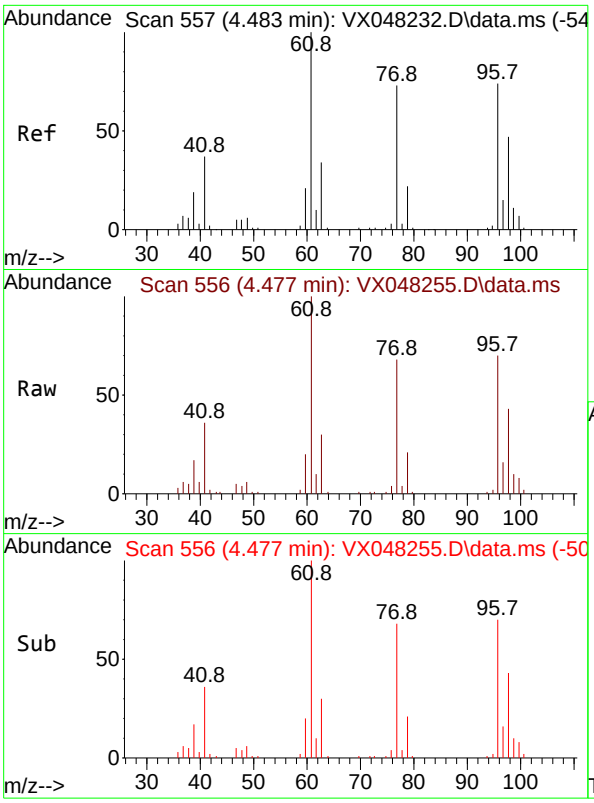




#26
2,2-Dichloropropane
Concen: 17.854 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 77 Resp: 47833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.7 | 11.1 | 33.3 |



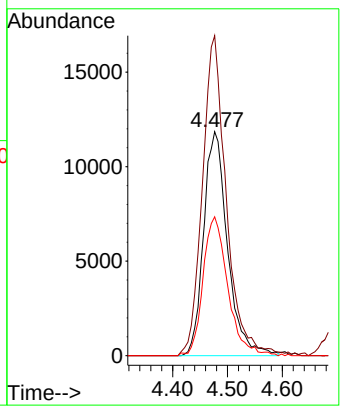


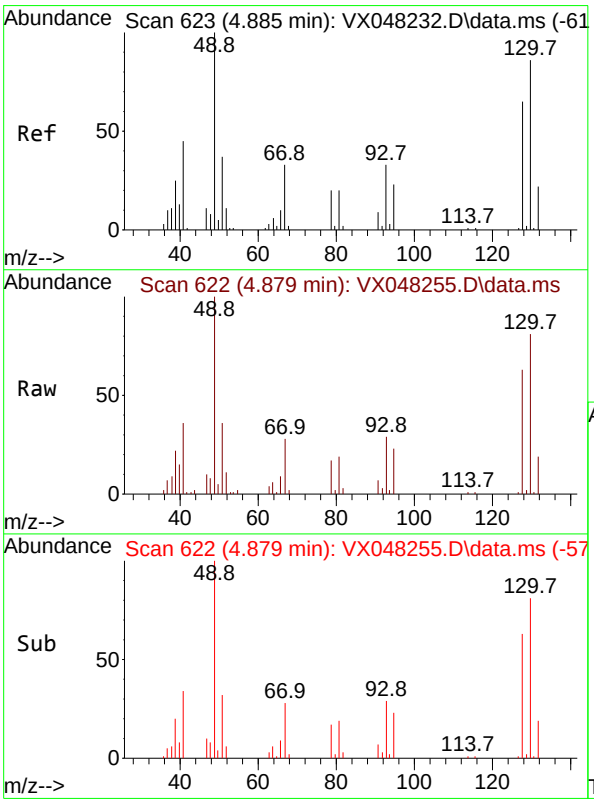

#27
cis-1,2-Dichloroethene
Concen: 18.906 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 96 Resp: 35928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.8 | 0.0 | 294.2 |
| 98 | 64.0 | 0.0 | 128.4 |

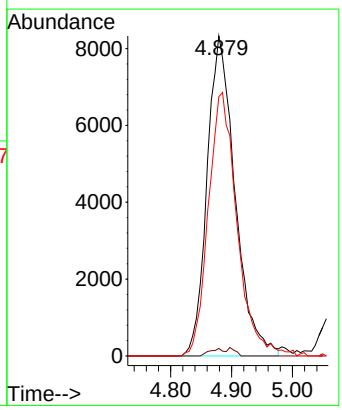


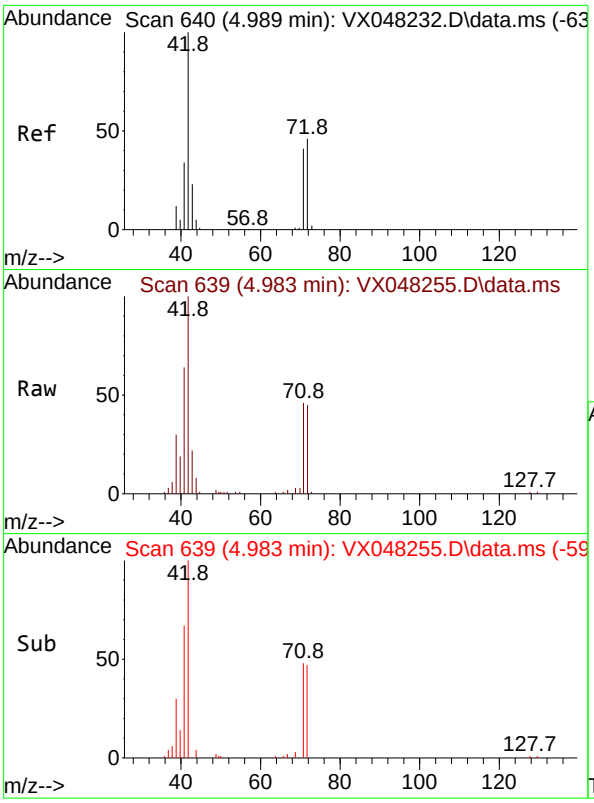




#28
Bromochloromethane
Concen: 21.558 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 49 Resp: 26532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.2 | 0.0 | 4.4 |
| 130 | 84.6 | 59.3 | 88.9 |



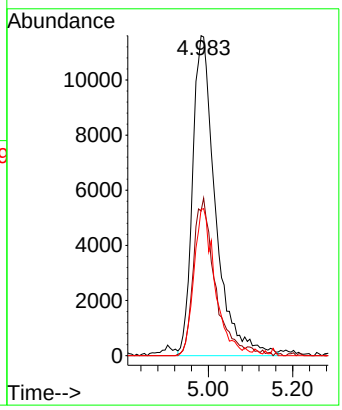


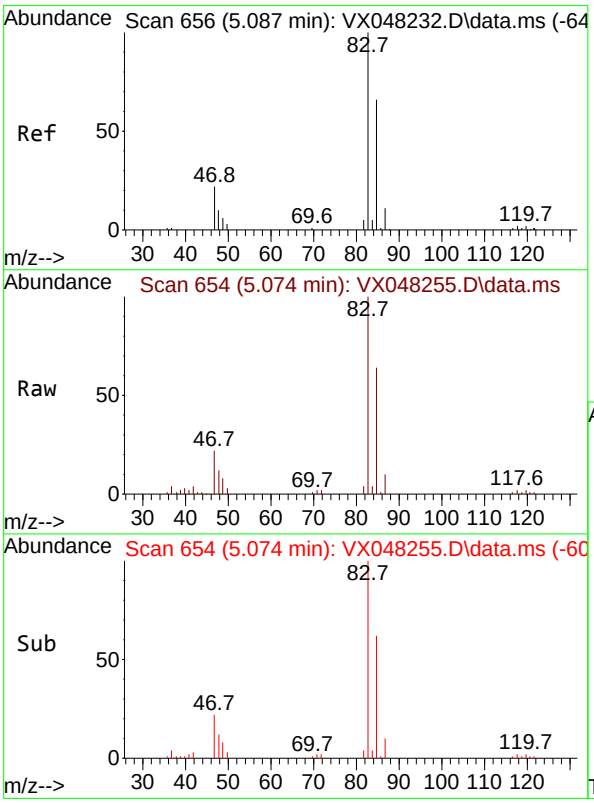

#29
Tetrahydrofuran
Concen: 85.433 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 42 Resp: 43984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.6 | 35.3 | 52.9 |
| 71 | 42.9 | 32.2 | 48.4 |

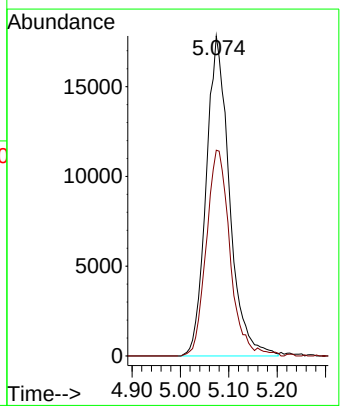


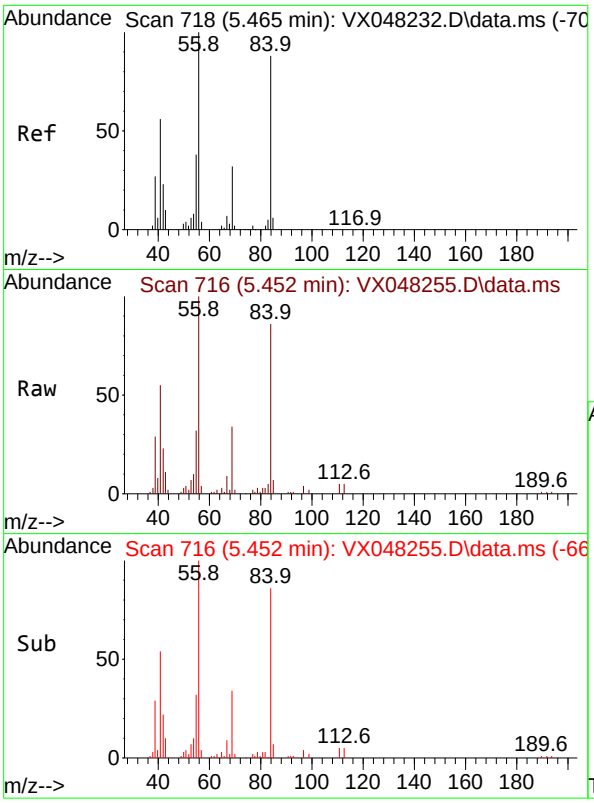




#30
Chloroform
Concen: 18.803 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 83 Resp: 59628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 50.1 | 75.1 |



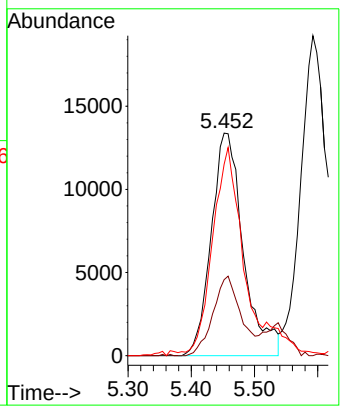


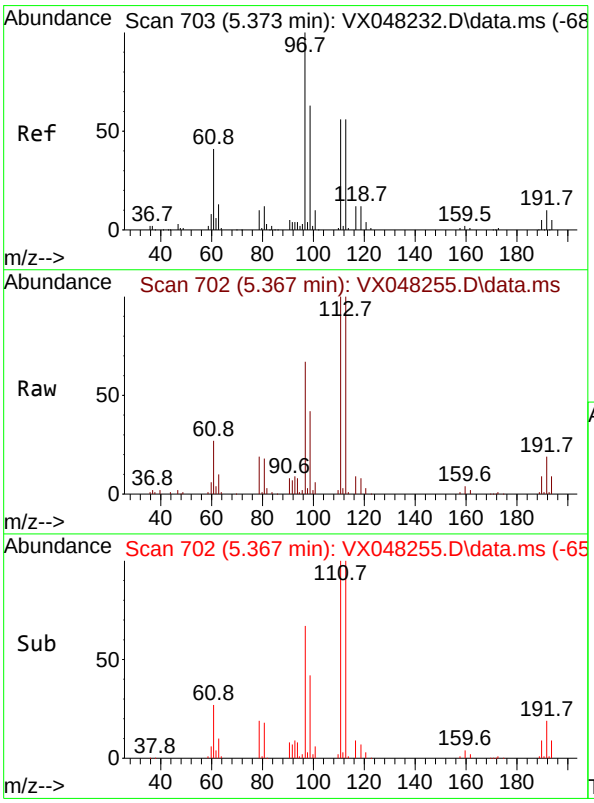

#31
Cyclohexane
Concen: 19.171 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 56 Resp: 47112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 34.2 | 23.0 | 34.6 |
| 84 | 84.6 | 64.6 | 97.0 |

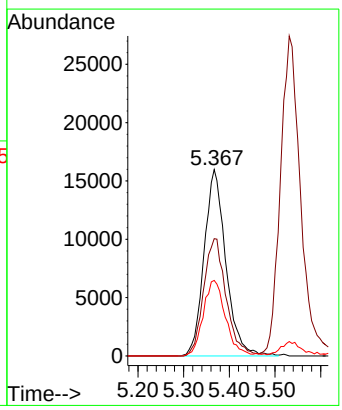


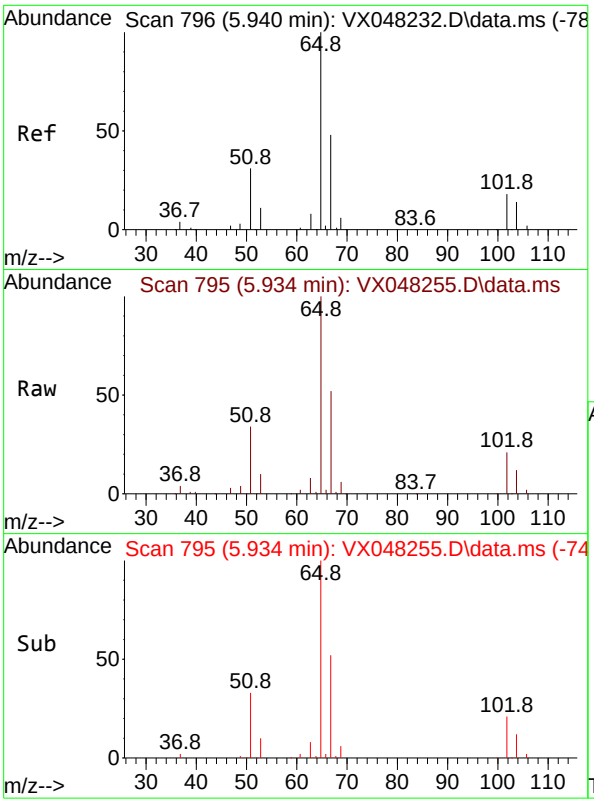




#32
1,1,1-Trichloroethane
Concen: 18.082 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 97 Resp: 52848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.0 | 51.7 | 77.5 |
| 61 | 41.4 | 34.8 | 52.2 |



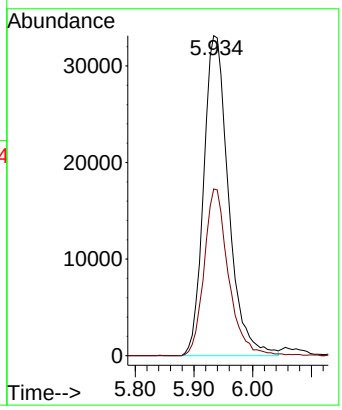


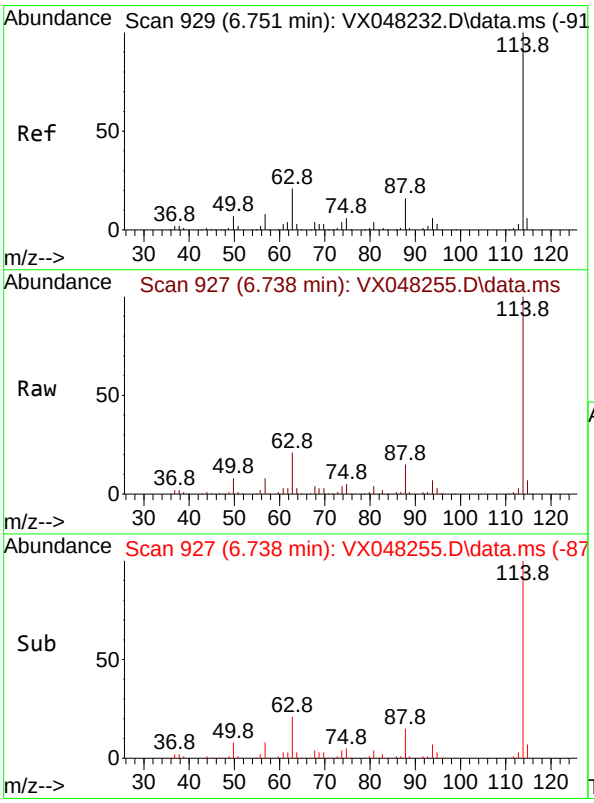

#33
1,2-Dichloroethane-d4
Concen: 49.180 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 65 Resp: 97363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.2 | 0.0 | 105.0 |

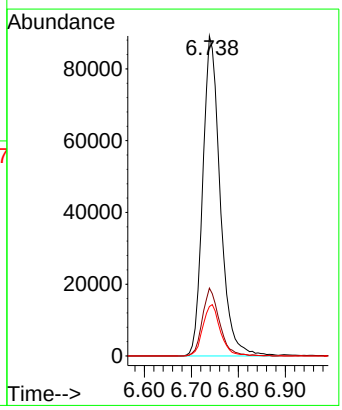


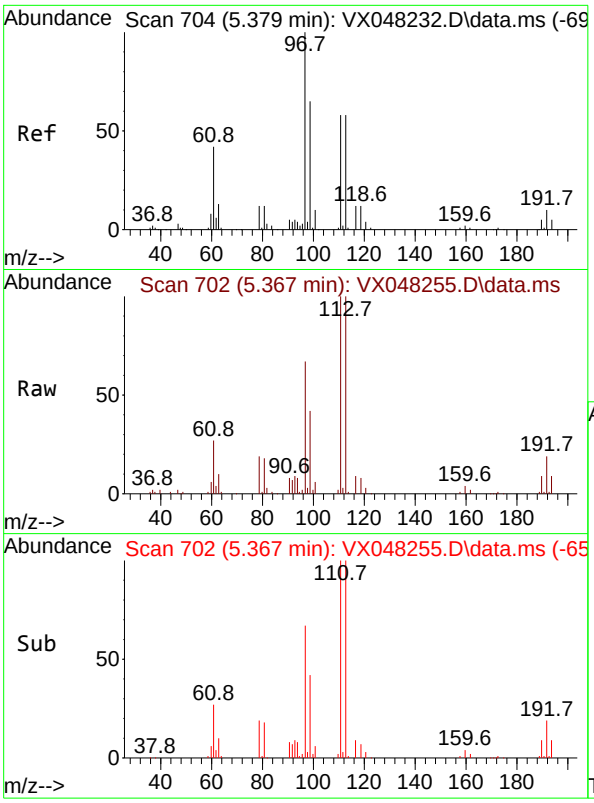




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.007 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:114 Resp: 230109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 43.2 |
| 88 | 15.5 | 0.0 | 33.6 |



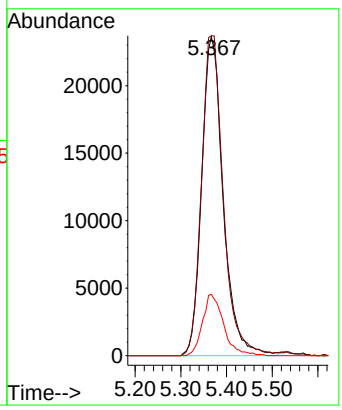


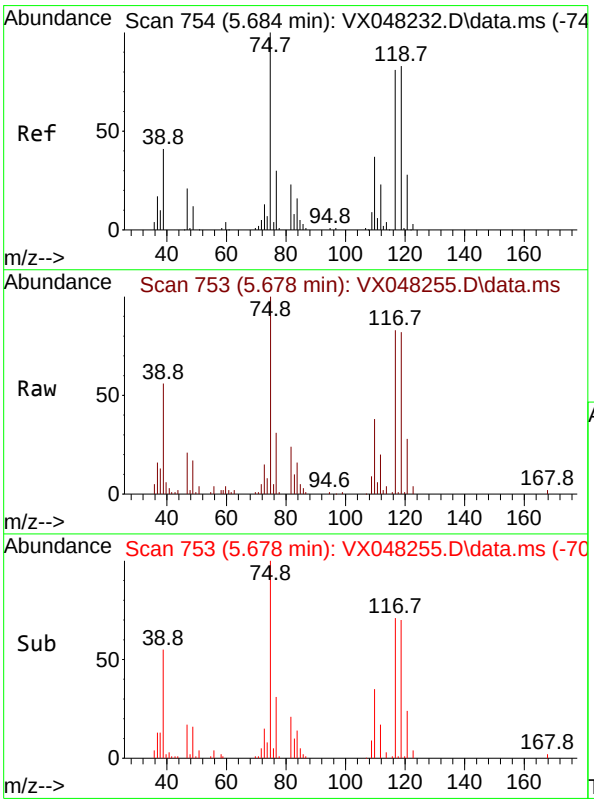

#35
Dibromofluoromethane
Concen: 49.256 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:113 Resp: 77378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.2 | 82.2 | 123.4 |
| 192 | 18.9 | 15.1 | 22.7 |

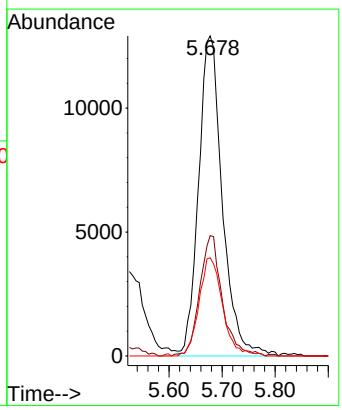


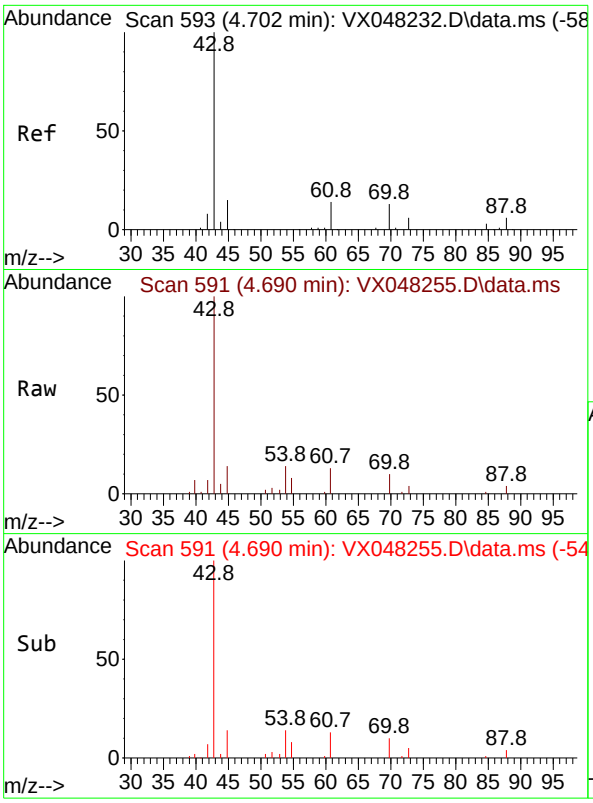




#36
1,1-Dichloropropene
Concen: 18.023 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 40242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.6 | 17.7 | 53.1 |
| 77 | 30.3 | 24.3 | 36.5 |



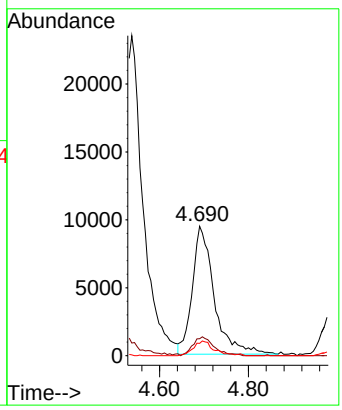


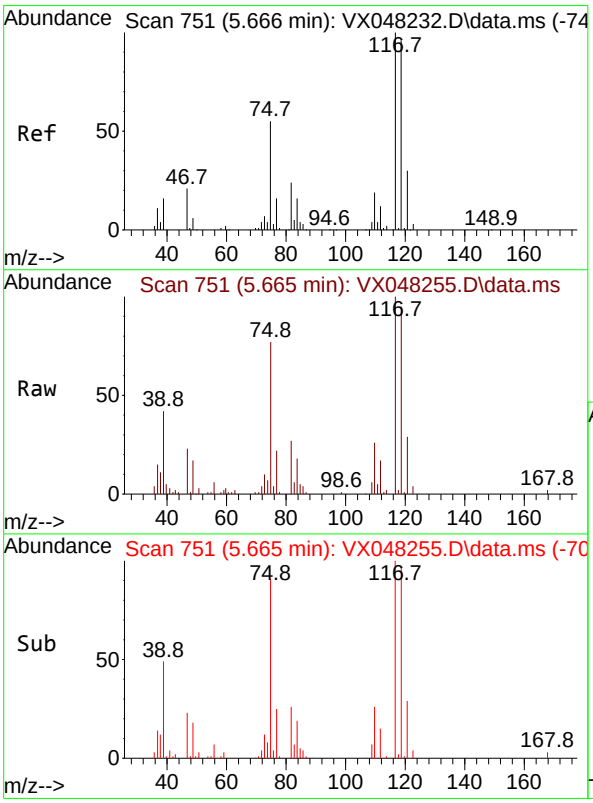

#37
Ethyl Acetate
Concen: 17.426 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 43 Resp: 32251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.2 | 10.6 | 15.8 |
| 70 | 10.5 | 7.8 | 11.6 |

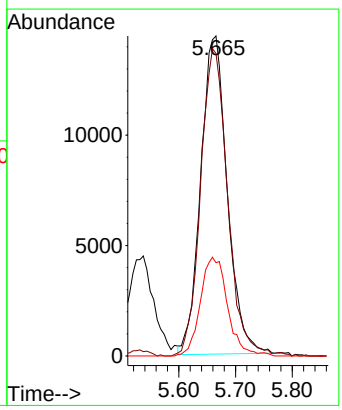


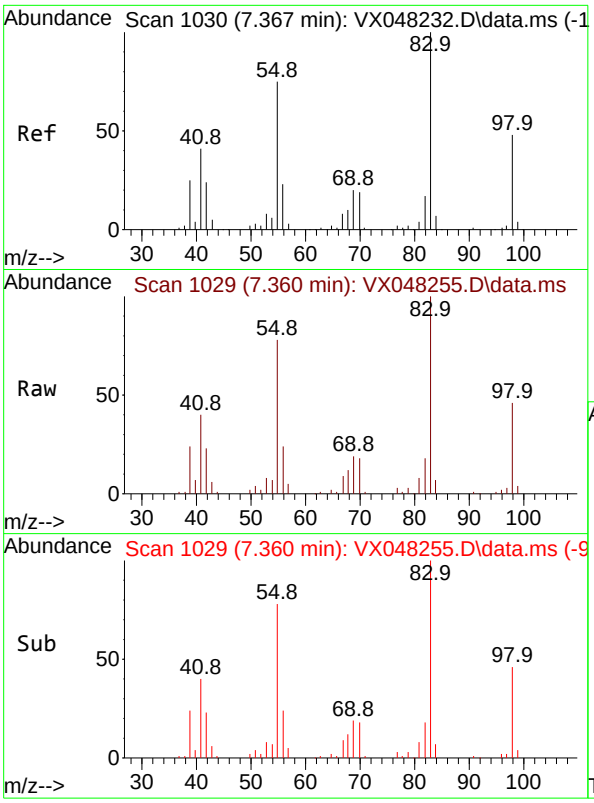




#38
Carbon Tetrachloride
Concen: 17.024 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:117 Resp: 46896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.4 | 77.2 | 115.8 |
| 121 | 29.4 | 24.8 | 37.2 |



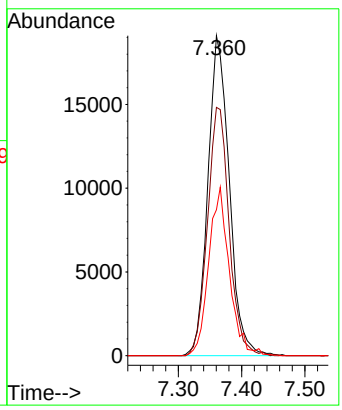


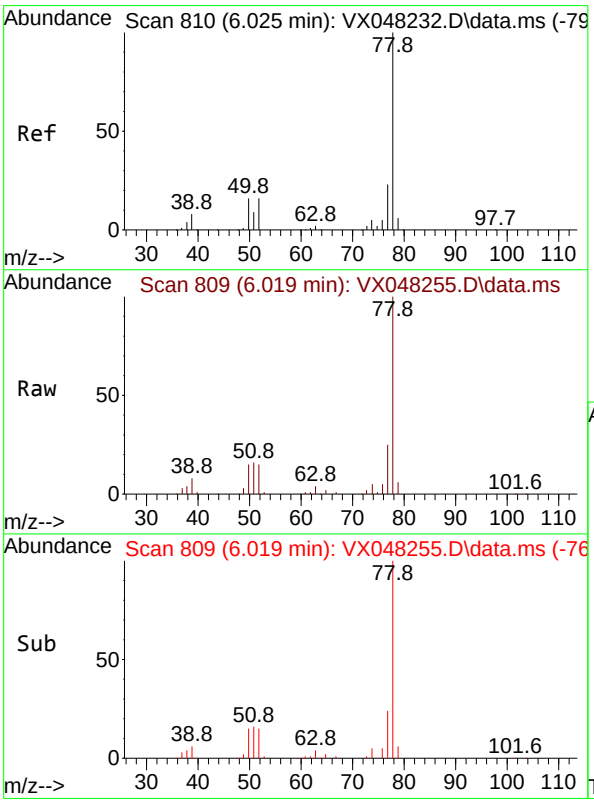

#39
Methylcyclohexane
Concen: 16.976 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 83 Resp: 44764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.6 | 66.2 | 99.2 |
| 98 | 45.6 | 38.9 | 58.3 |

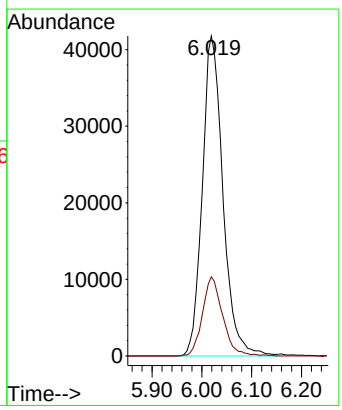


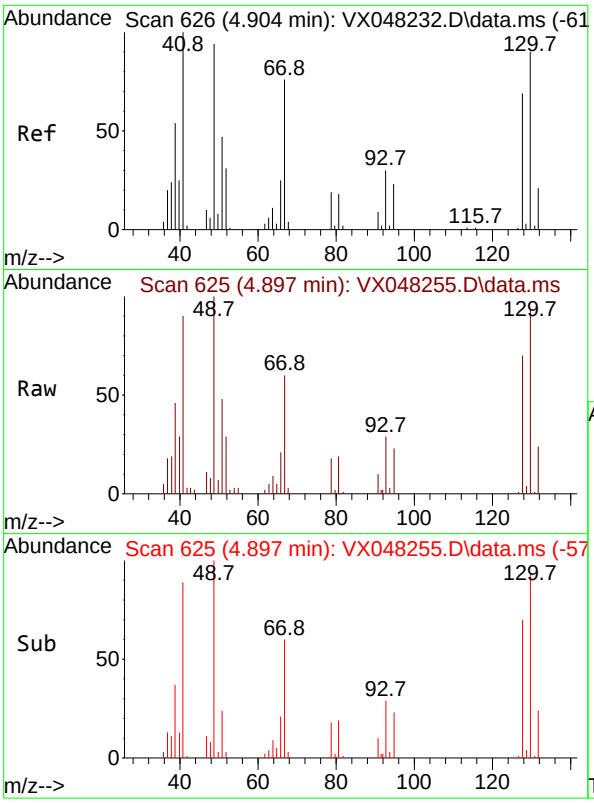




#40
Benzene
Concen: 18.540 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 78 Resp: 120185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.7 | 19.3 | 28.9 |



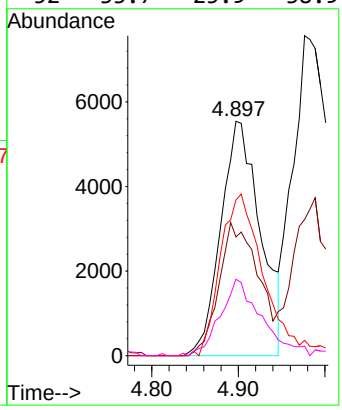


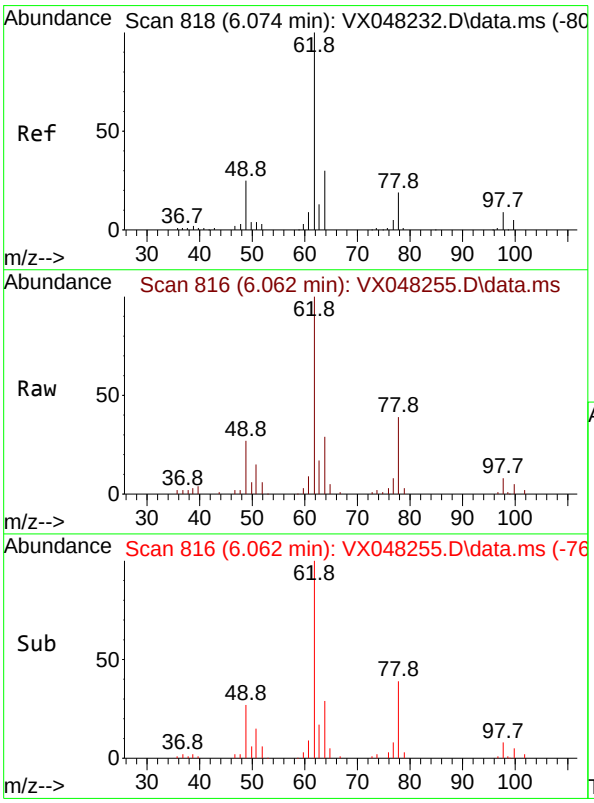

#41
Methacrylonitrile
Concen: 18.099 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 41 Resp: 17591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.0 | 44.0 | 66.0 |
| 67 | 77.1 | 58.7 | 88.1 |
| 52 | 33.7 | 25.9 | 38.9 |

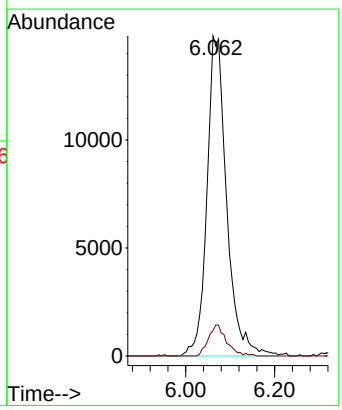


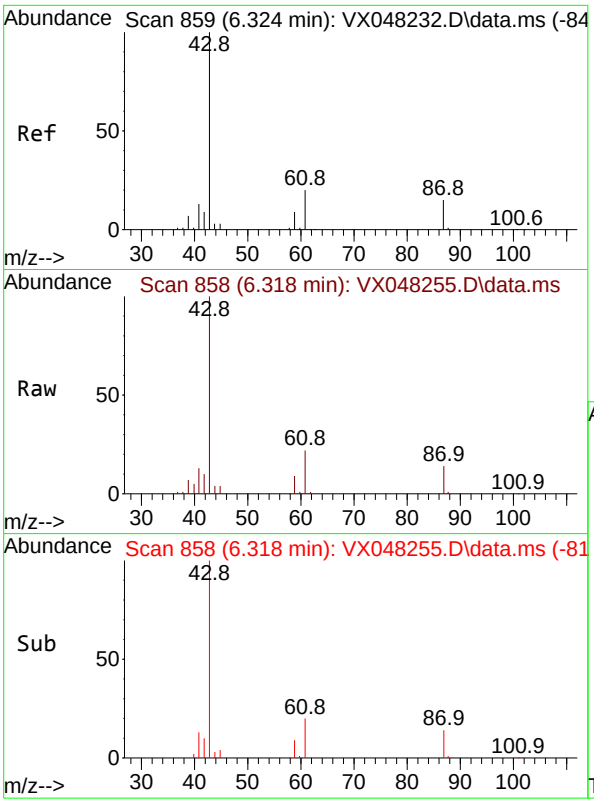




#42
1,2-Dichloroethane
Concen: 19.053 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 62 Resp: 45577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 17.2 |



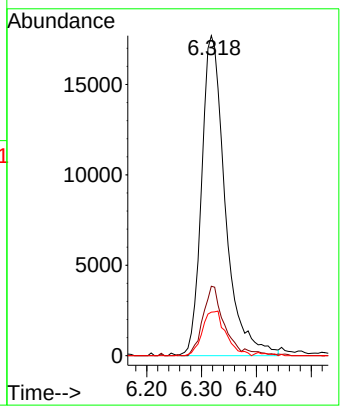


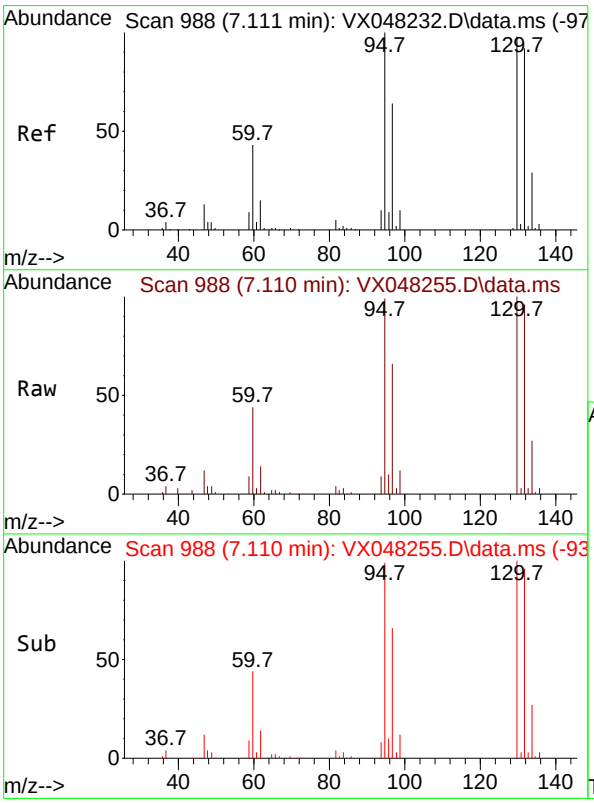

#43
Isopropyl Acetate
Concen: 17.402 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 43 Resp: 52903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.0 | 14.9 | 22.3 |
| 87 | 13.8 | 9.4 | 14.2 |

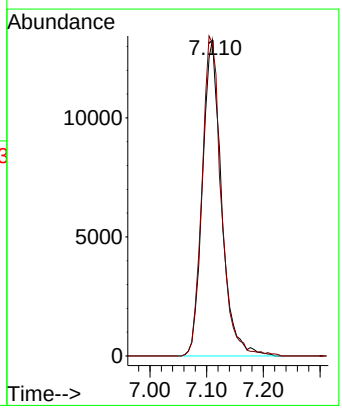


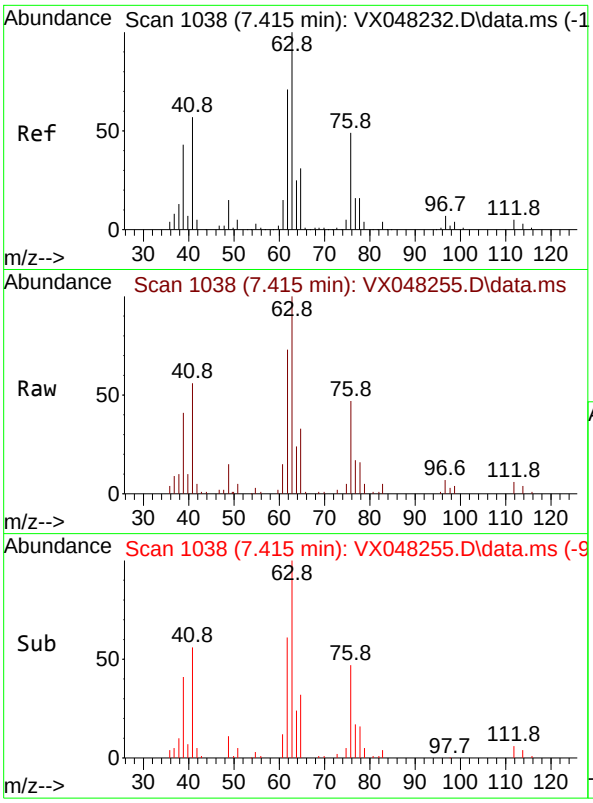




#44
Trichloroethene
Concen: 18.107 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:130 Resp: 30995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.9 | 0.0 | 200.6 |



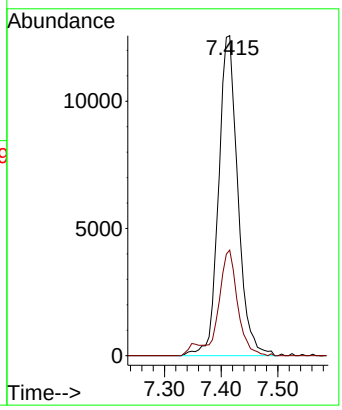


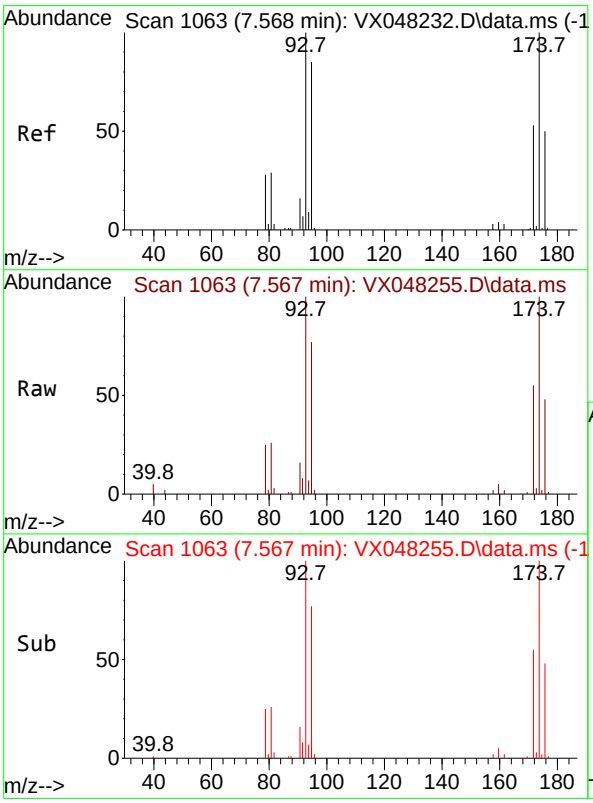

#45
1,2-Dichloropropane
Concen: 19.252 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 63 Resp: 29673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.0 | 24.1 | 36.1 |

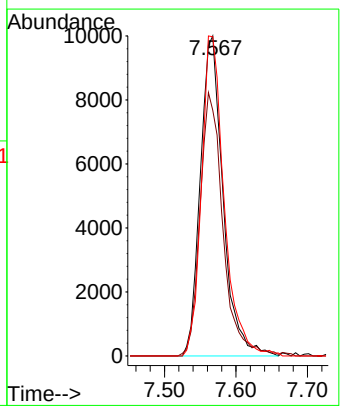


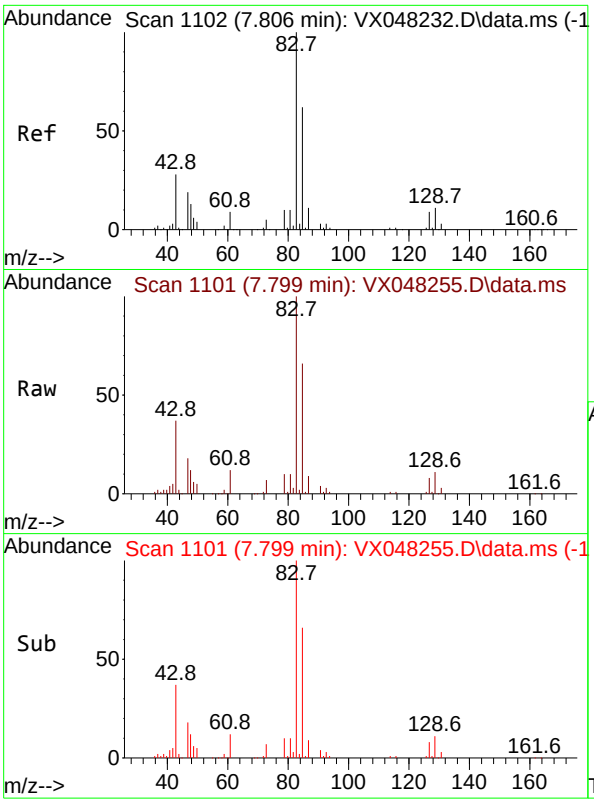




#46
Dibromomethane
Concen: 18.352 ug/l
RT: 7.567 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 93 Resp: 22037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.8 | 65.9 | 98.9 |
| 174 | 100.0 | 71.7 | 107.5 |



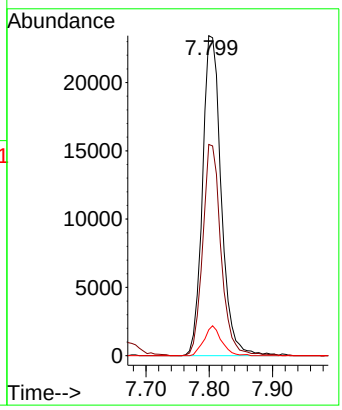


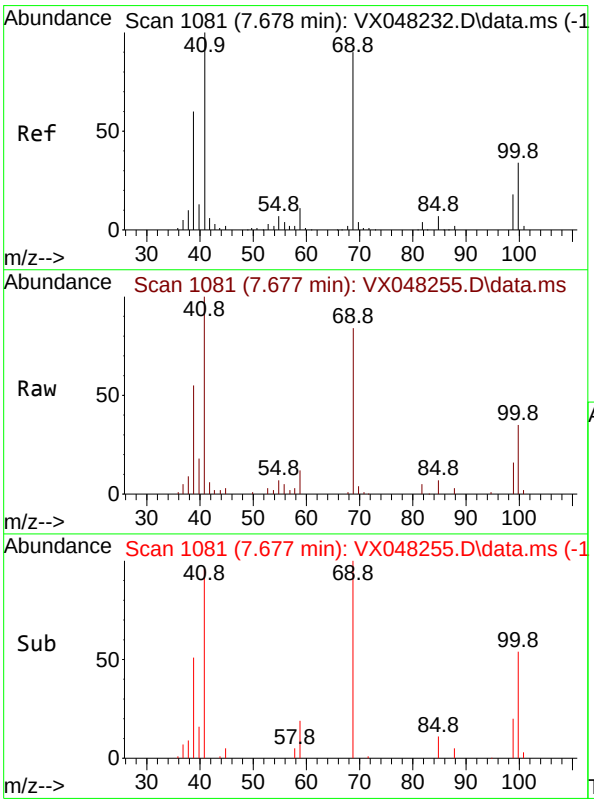

#47
Bromodichloromethane
Concen: 18.606 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 83 Resp: 48240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.0 | 52.2 | 78.4 |
| 127 | 8.1 | 7.3 | 10.9 |

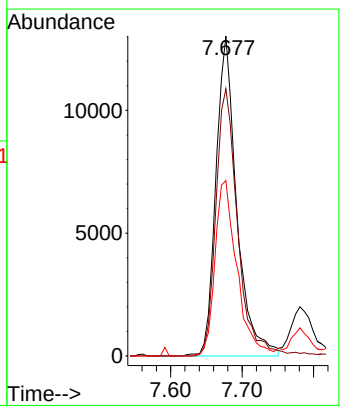


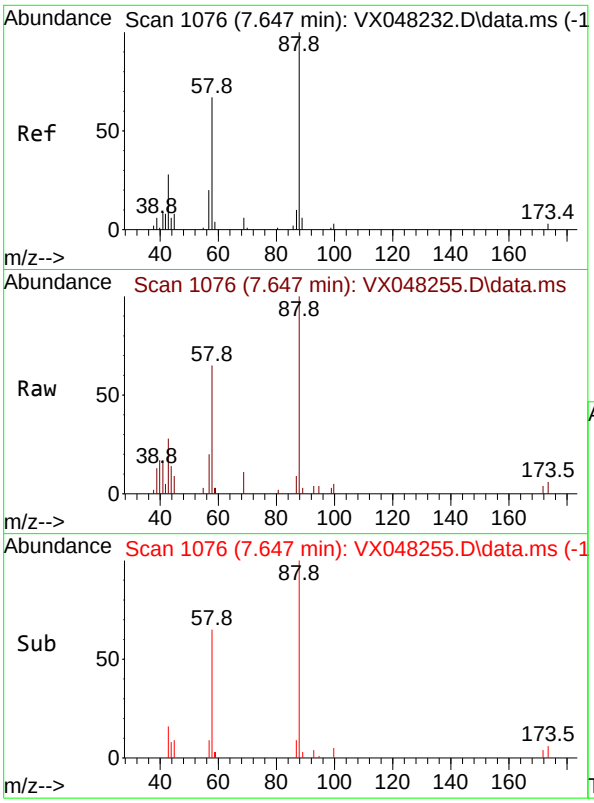




#48
Methyl methacrylate
Concen: 17.158 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 41 Resp: 26320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.9 | 63.4 | 95.0 |
| 39 | 57.9 | 47.1 | 70.7 |



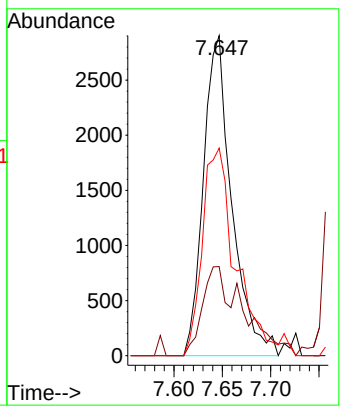


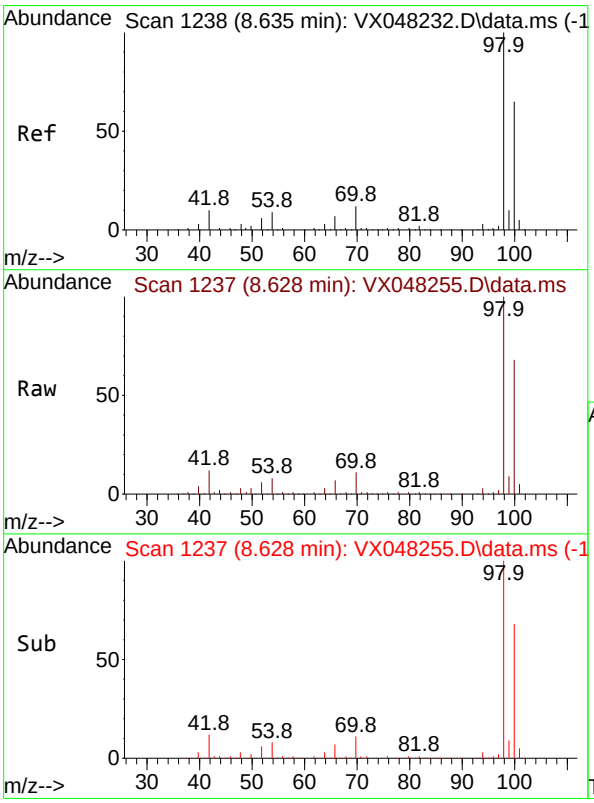

#49
1,4-Dioxane
Concen: 292.405 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 88 Resp: 5926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 24.0 | 35.0 | 52.4# |
| 58 | 75.7 | 61.9 | 92.9 |

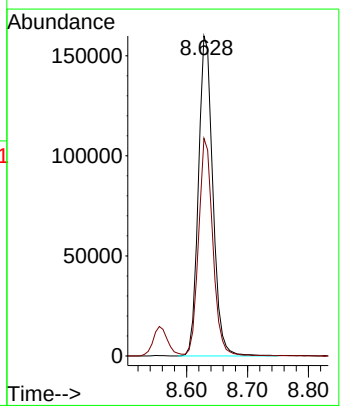


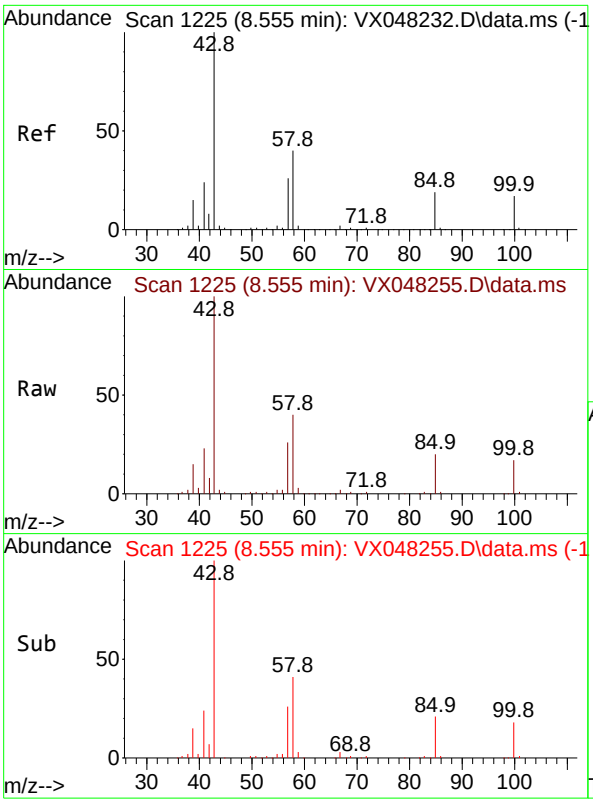




#50
Toluene-d8
Concen: 47.776 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 98 Resp: 263067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.1 | 53.0 | 79.4 |



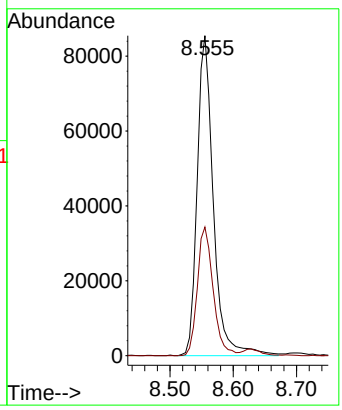


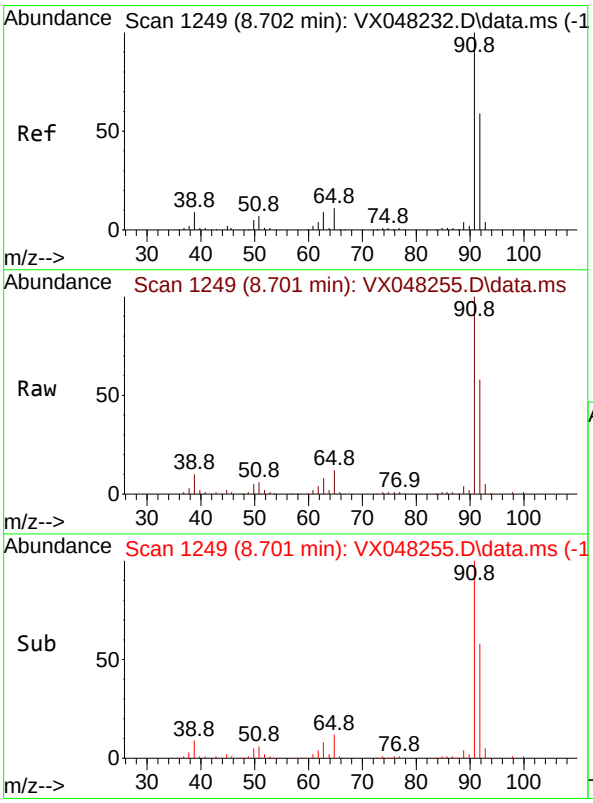

#51
4-Methyl-2-Pentanone
Concen: 86.877 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 43 Resp: 152275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.2 | 29.5 | 44.3 |

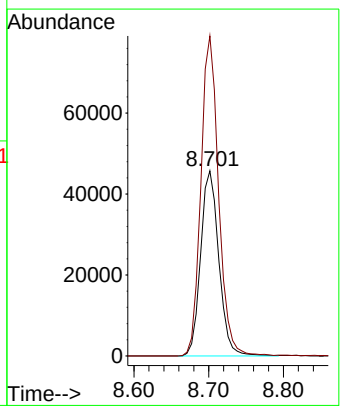


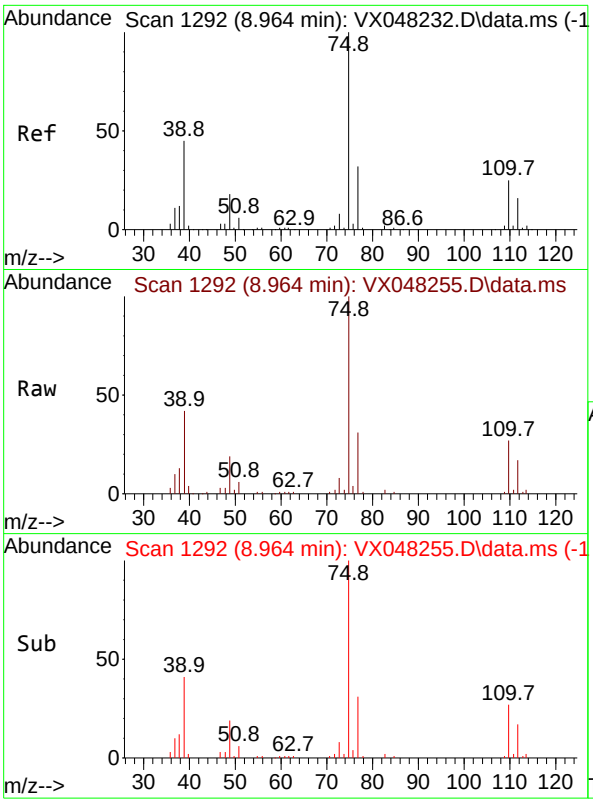




#52
Toluene
Concen: 18.755 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 92 Resp: 77240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.4 | 136.1 | 204.1 |



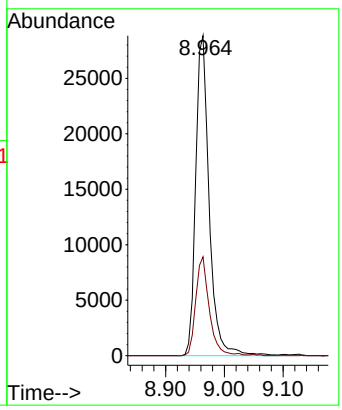


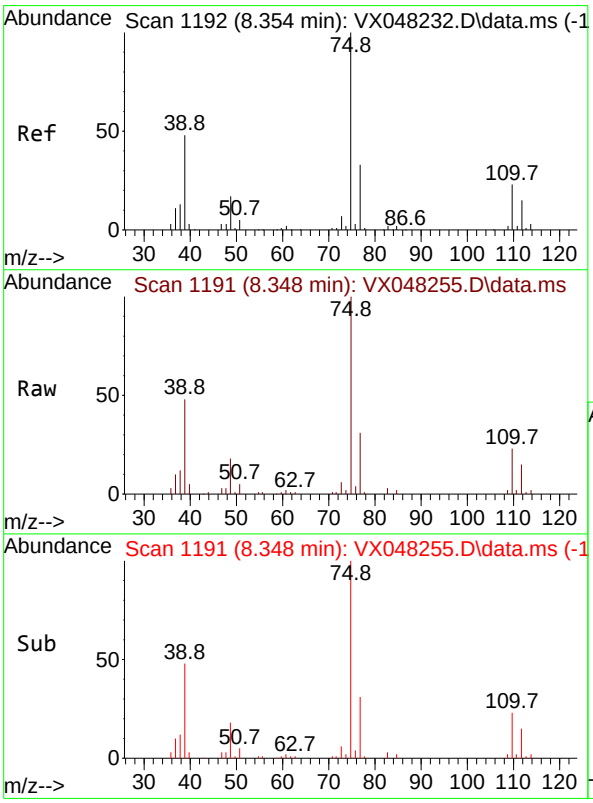

#53
t-1,3-Dichloropropene
Concen: 18.419 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 75 Resp: 46020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.0 | 37.6 |

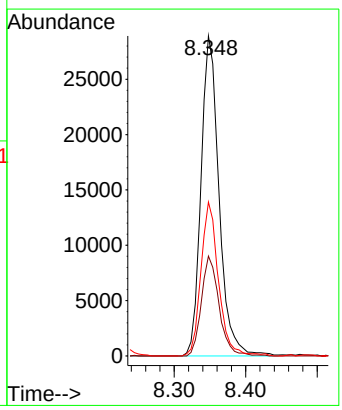


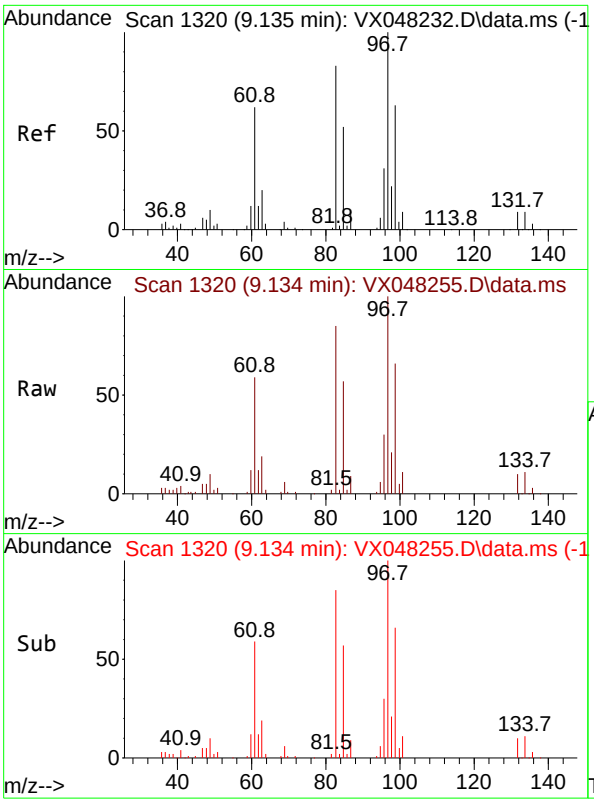




#54
cis-1,3-Dichloropropene
Concen: 18.810 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 50705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 24.9 | 37.3 |
| 39 | 48.1 | 42.6 | 64.0 |



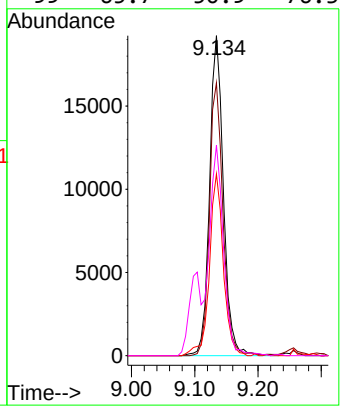


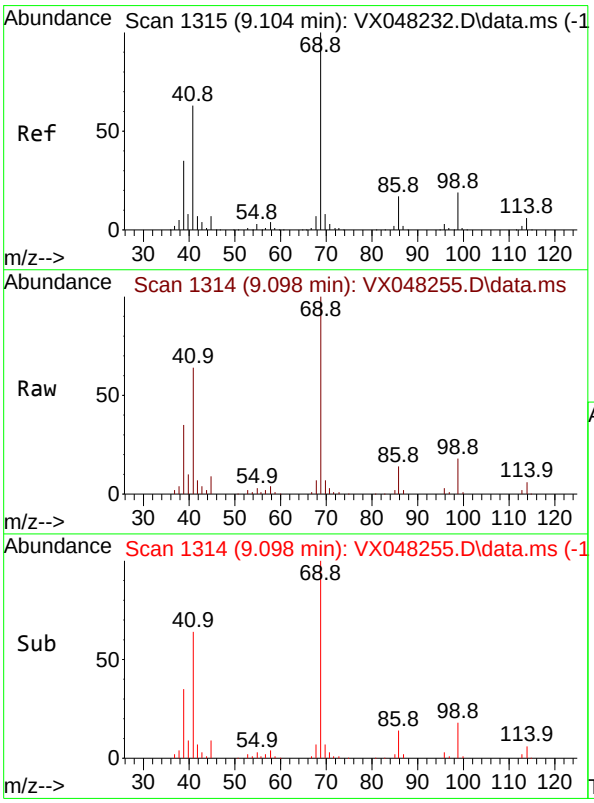

#55
1,1,2-Trichloroethane
Concen: 19.140 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 97 Resp: 29313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.2 | 70.6 | 105.8 |
| 85 | 56.8 | 45.0 | 67.6 |
| 99 | 65.7 | 50.9 | 76.3 |

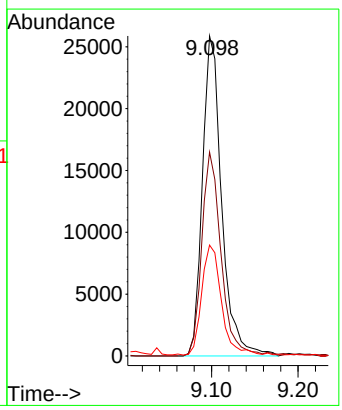


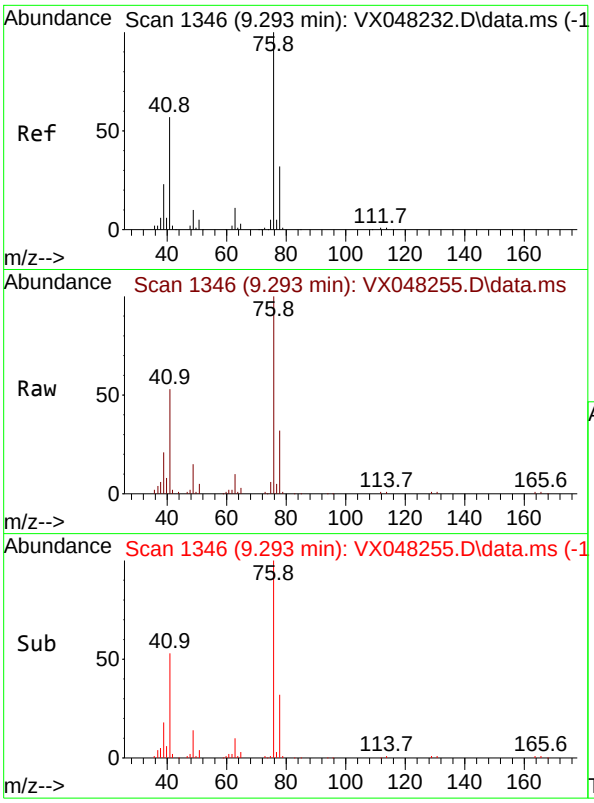




#56
Ethyl methacrylate
Concen: 17.852 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 69 Resp: 39990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.4 | 56.0 | 84.0 |
| 39 | 35.4 | 31.6 | 47.4 |



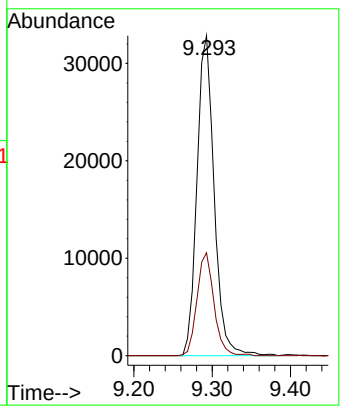


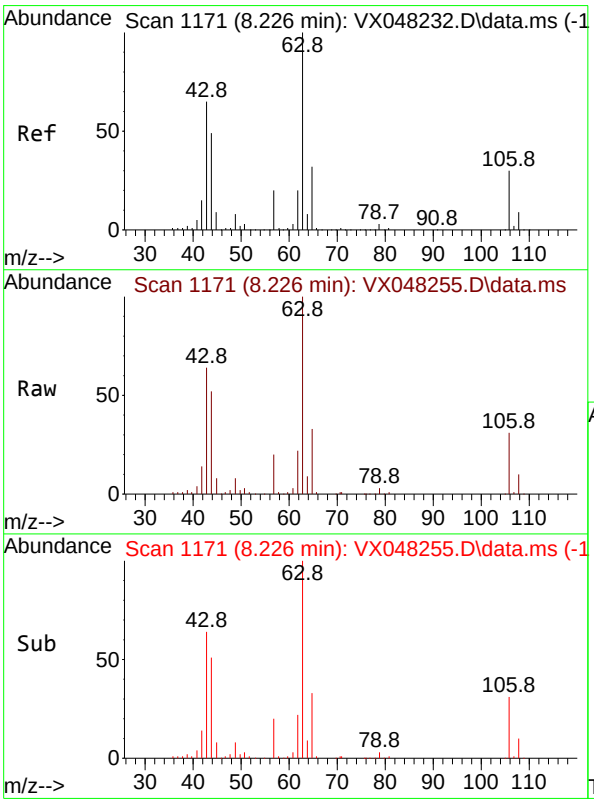

#57
1,3-Dichloropropane
Concen: 19.160 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 76 Resp: 50123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.8 | 25.4 | 38.0 |

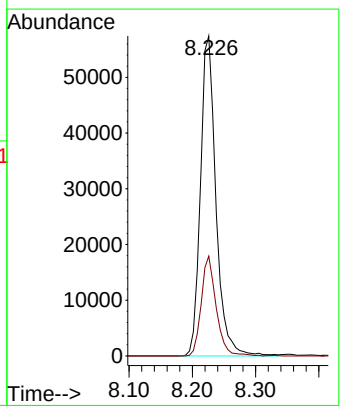


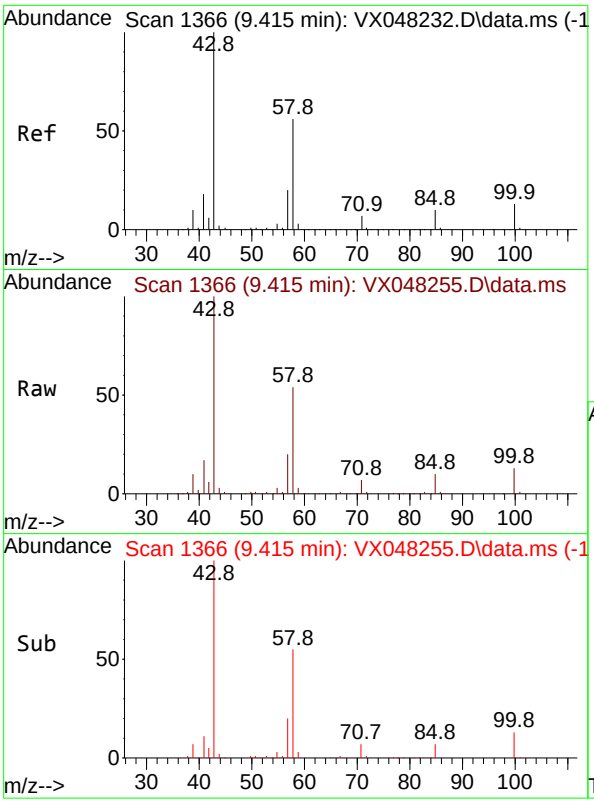




#58
2-Chloroethyl Vinyl ether
Concen: 82.586 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 63 Resp: 98096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.0 | 22.2 | 33.2 |



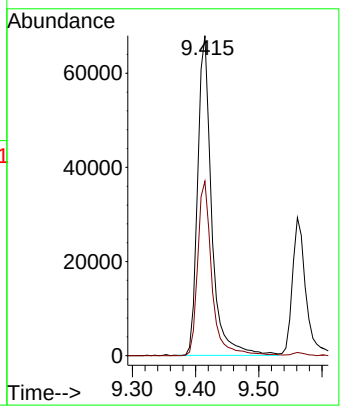


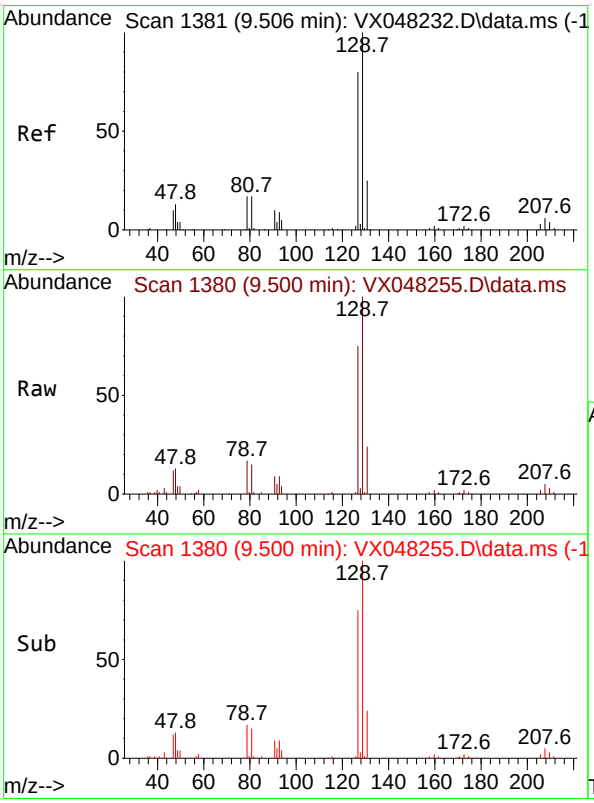

#59
2-Hexanone
Concen: 85.909 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 43 Resp: 104997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.3 | 26.3 | 78.8 |

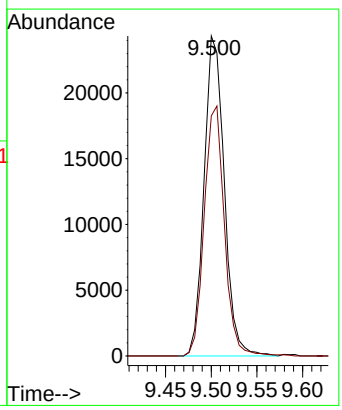


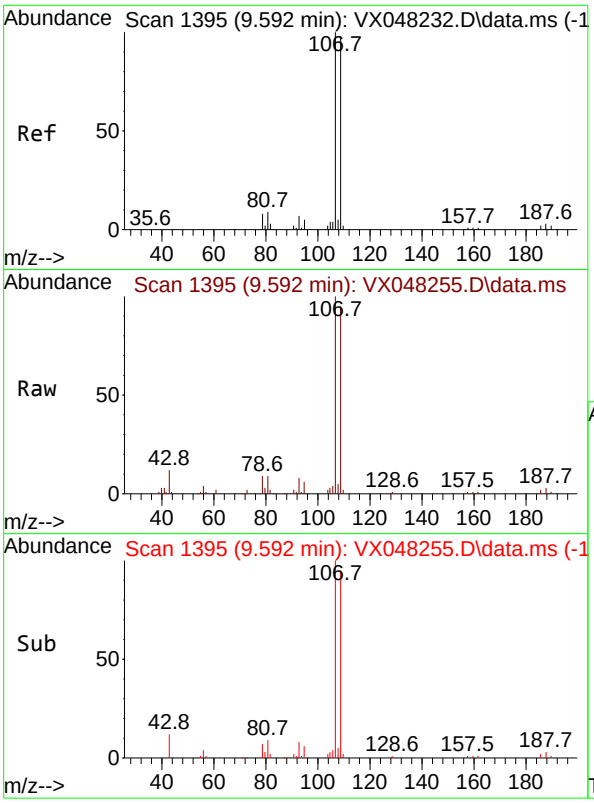




#60
Dibromochloromethane
Concen: 18.114 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:129 Resp: 37288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.1 | 38.6 | 115.7 |



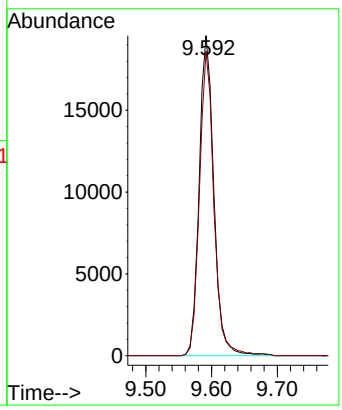


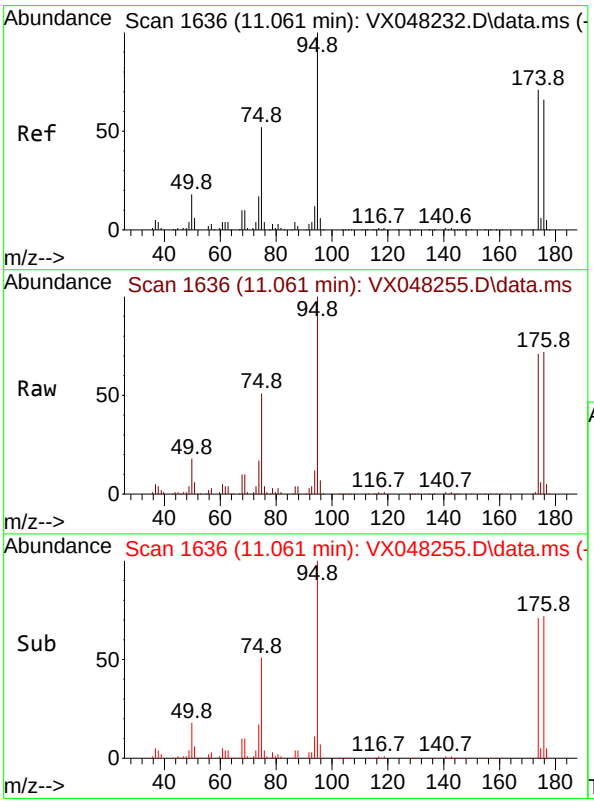

#61
1,2-Dibromoethane
Concen: 18.554 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:107 Resp: 30294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.2 | 77.0 | 115.4 |

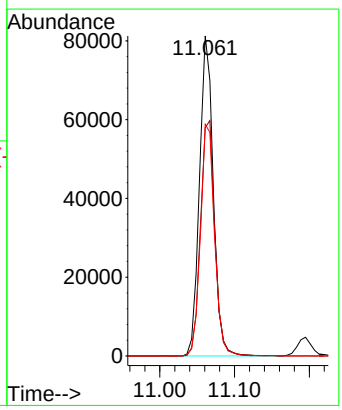


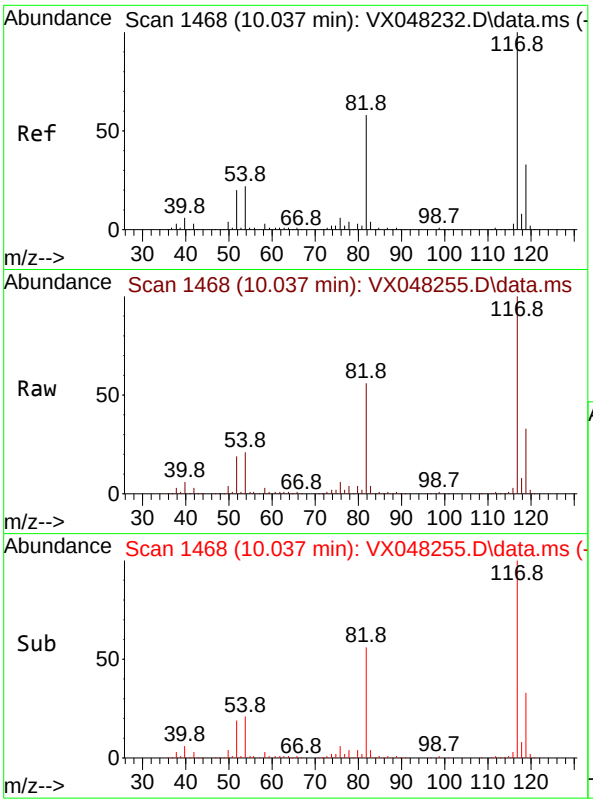




#62
4-Bromofluorobenzene
Concen: 49.702 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 95 Resp: 104113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.4 | 0.0 | 147.8 |
| 176 | 74.0 | 0.0 | 142.8 |



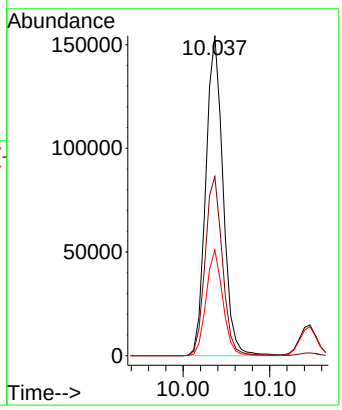


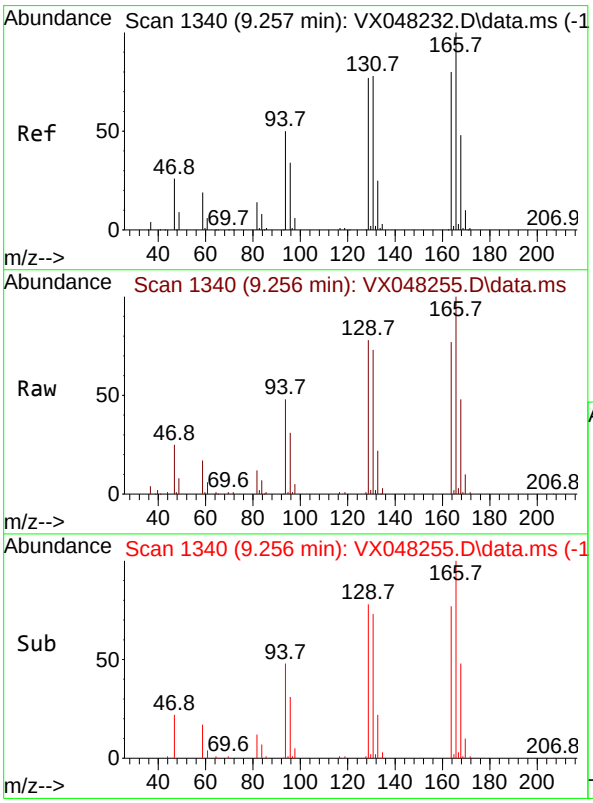

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:117 Resp: 212342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.0 | 46.5 | 69.7 |
| 119 | 33.1 | 25.9 | 38.9 |

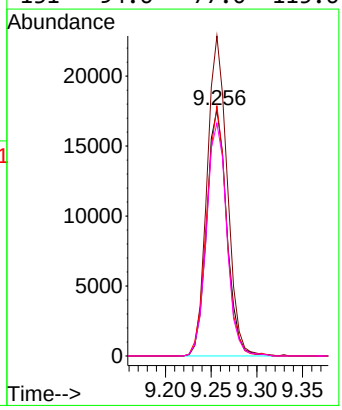


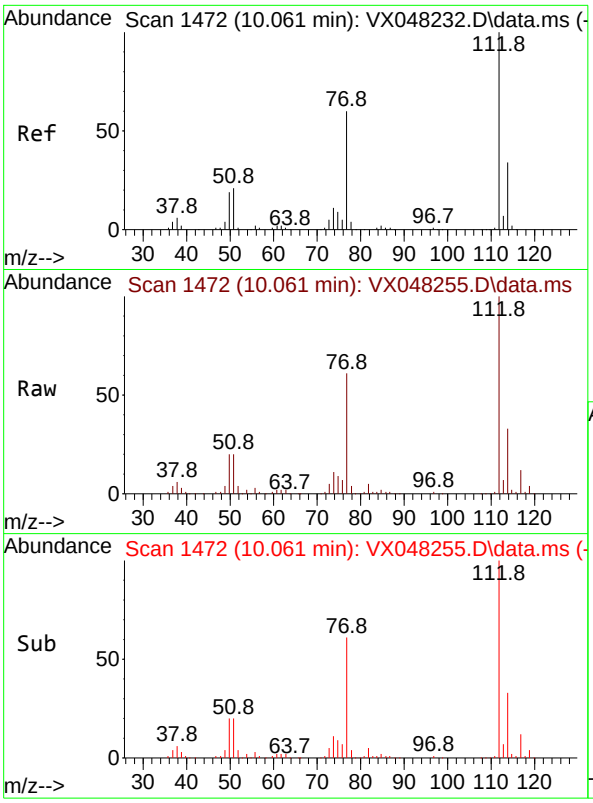




#64
Tetrachloroethene
Concen: 16.909 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:164 Resp: 26804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.0 | 104.5 | 156.7 |
| 129 | 101.5 | 81.8 | 122.6 |
| 131 | 94.6 | 77.0 | 115.6 |



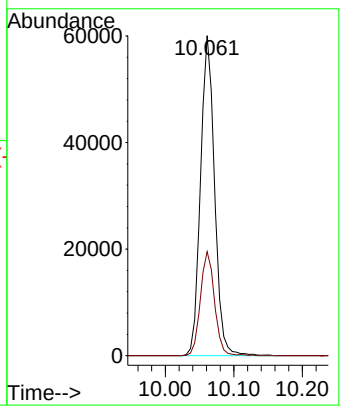


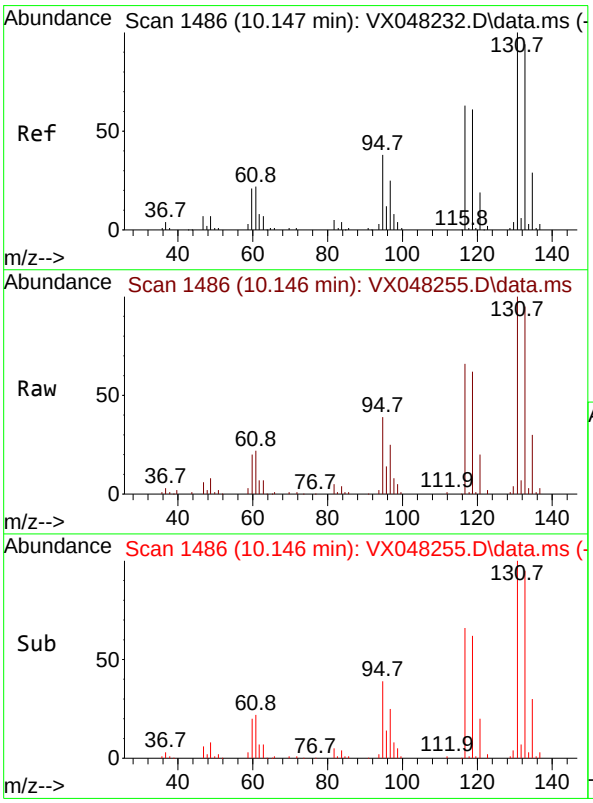

#65
Chlorobenzene
Concen: 17.974 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:112 Resp: 85855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.5 | 26.2 | 39.2 |

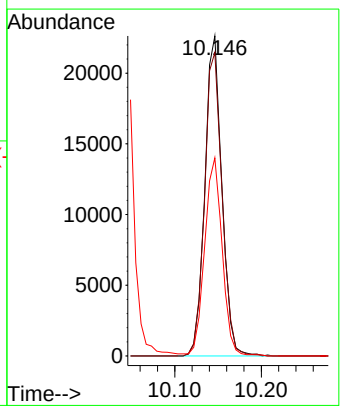


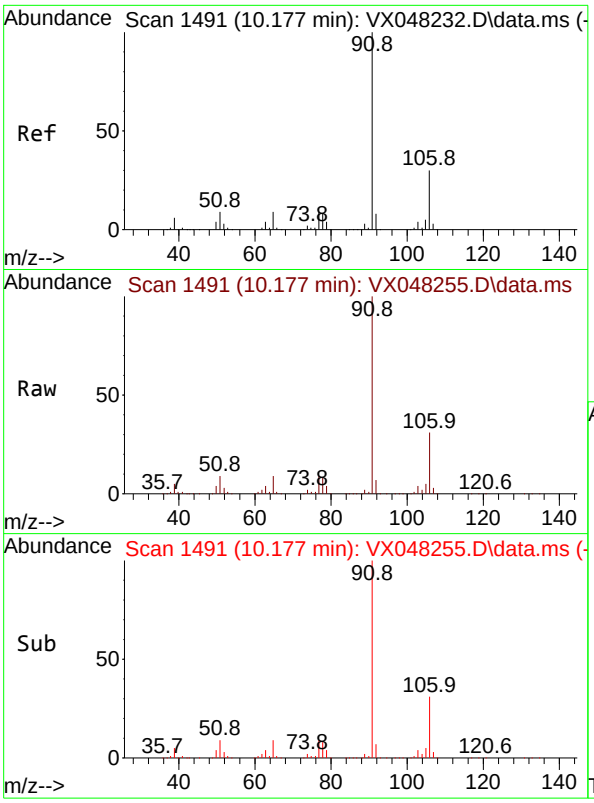




#66
1,1,1,2-Tetrachloroethane
Concen: 17.566 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:131 Resp: 30819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 97.7 | 47.6 | 142.8 |
| 119 | 63.9 | 32.5 | 97.5 |



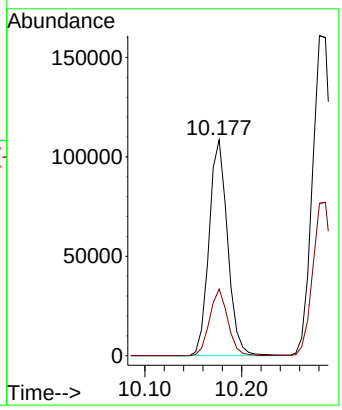


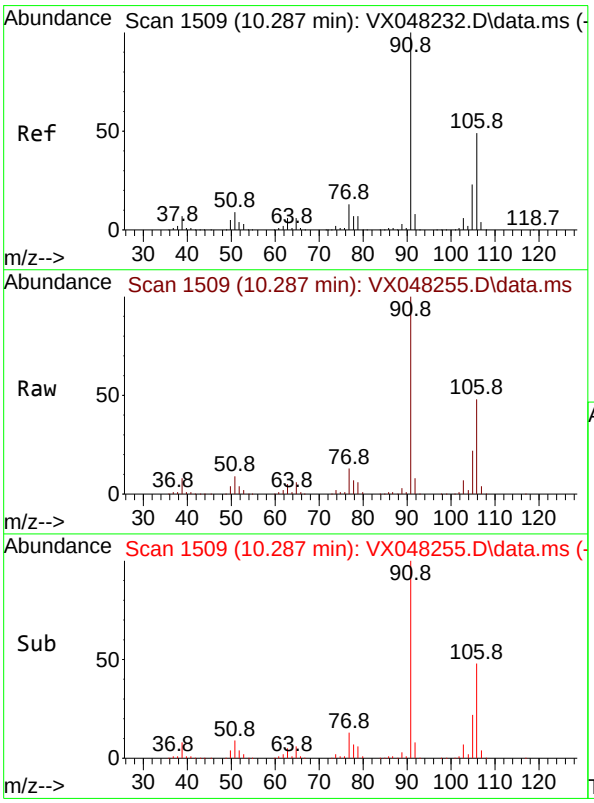

#67
Ethyl Benzene
Concen: 17.824 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 91 Resp: 144956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.9 | 23.8 | 35.6 |

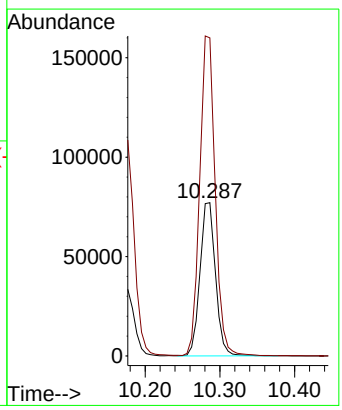


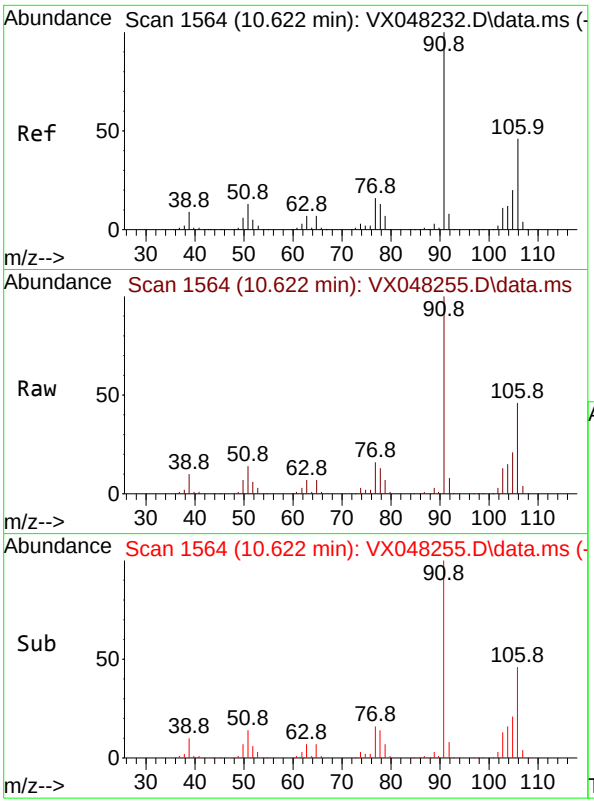




#68
m/p-Xylenes
Concen: 36.763 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:106 Resp: 111086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.0 | 167.9 | 251.9 |



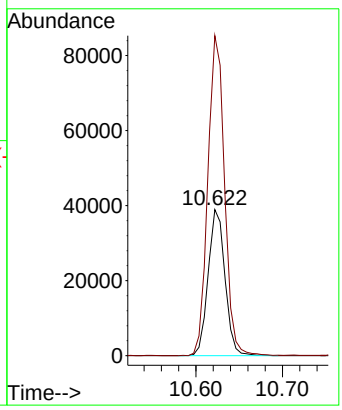


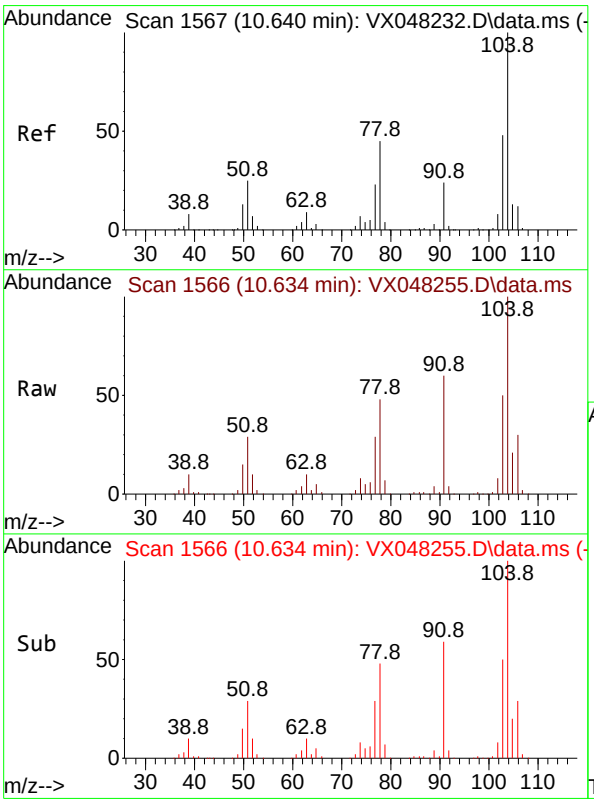

#69
o-Xylene
Concen: 18.060 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:106 Resp: 52686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.5 | 111.3 | 333.9 |

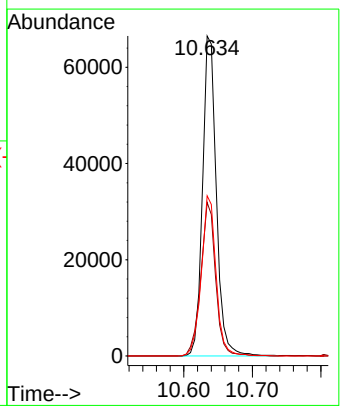


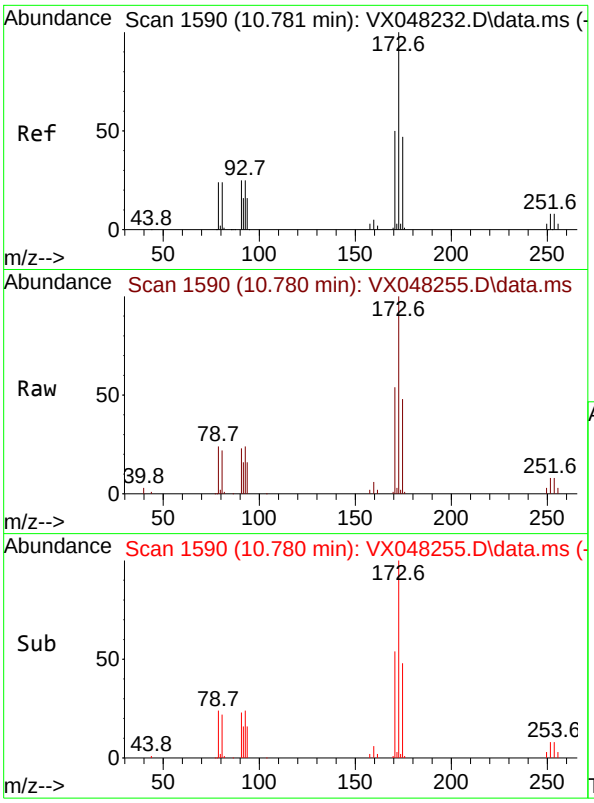




#70
Styrene
Concen: 18.838 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:104 Resp: 93575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.4 | 42.2 | 63.4 |
| 103 | 53.3 | 43.0 | 64.4 |



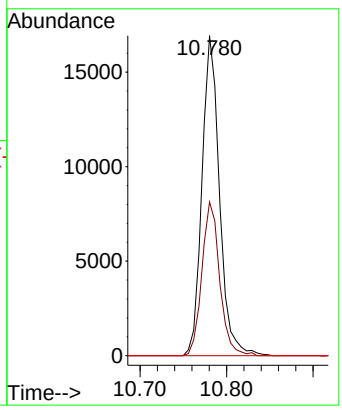


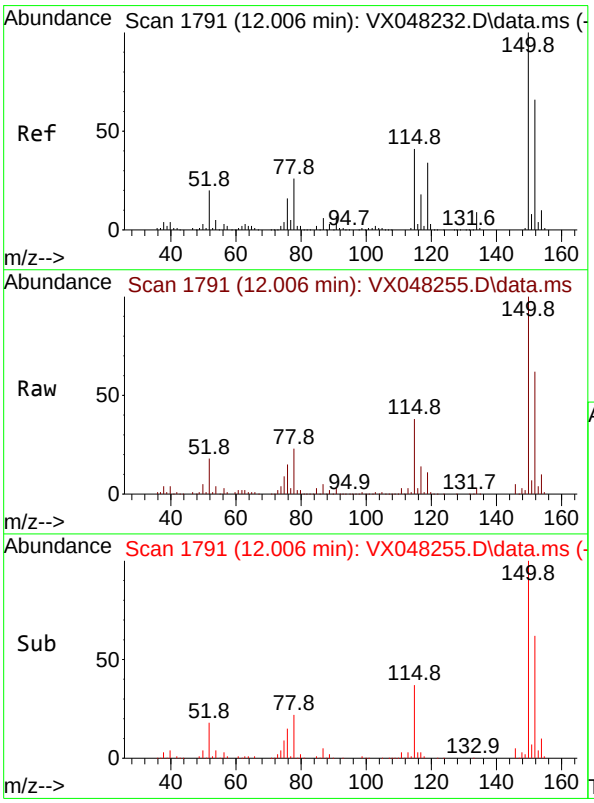

#71
Bromoform
Concen: 16.952 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:173 Resp: 23770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |

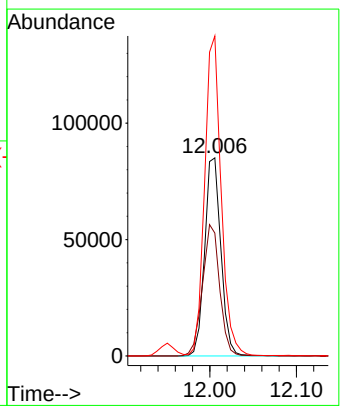


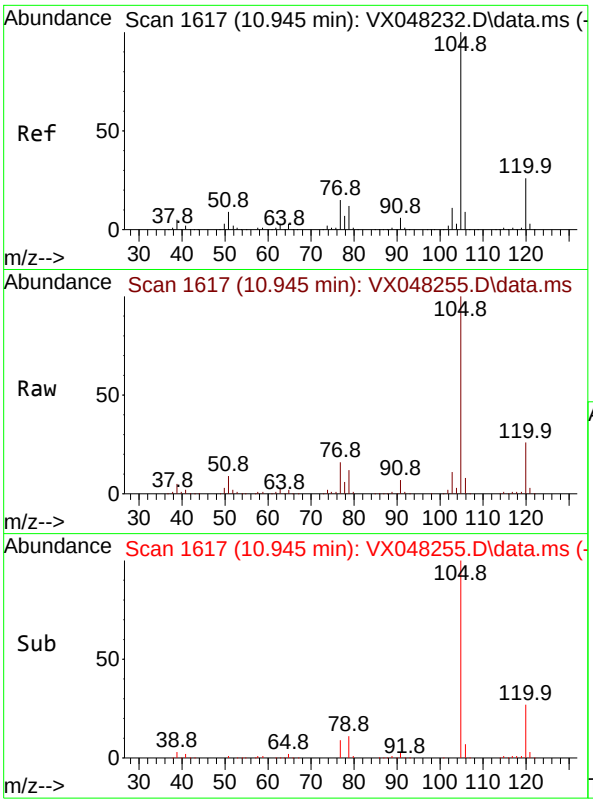




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:152 Resp: 110789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.2 | 43.1 | 129.4 |
| 150 | 163.8 | 0.0 | 353.0 |



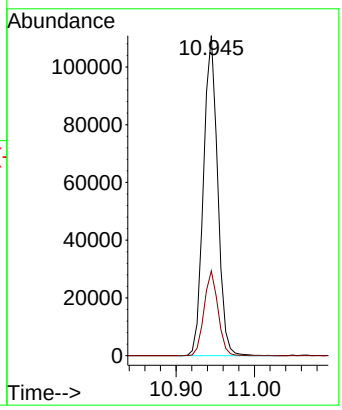


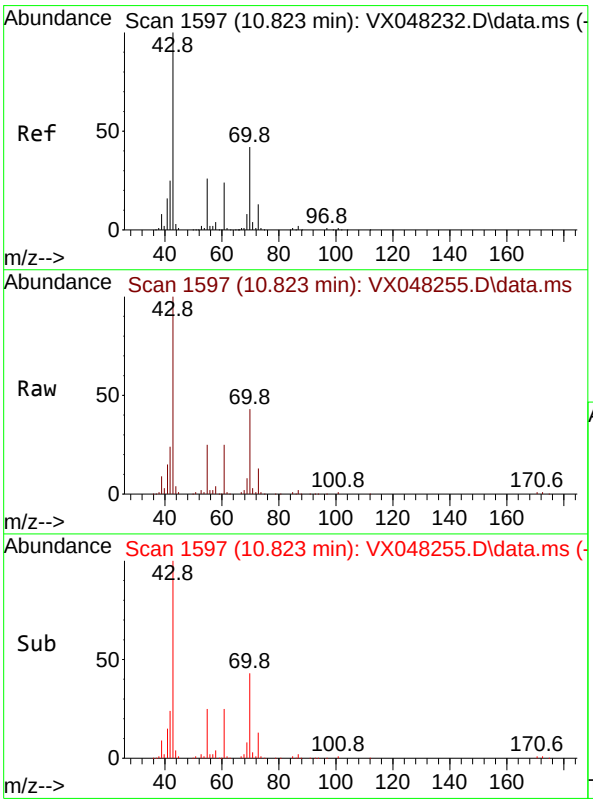

#73
Isopropylbenzene
Concen: 17.144 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:105 Resp: 138728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 38.9 |

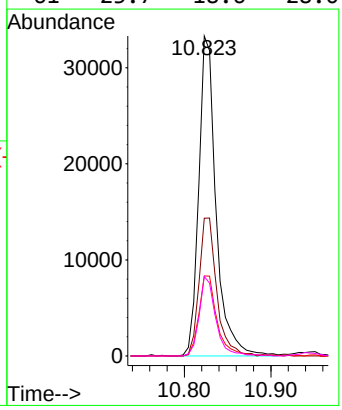


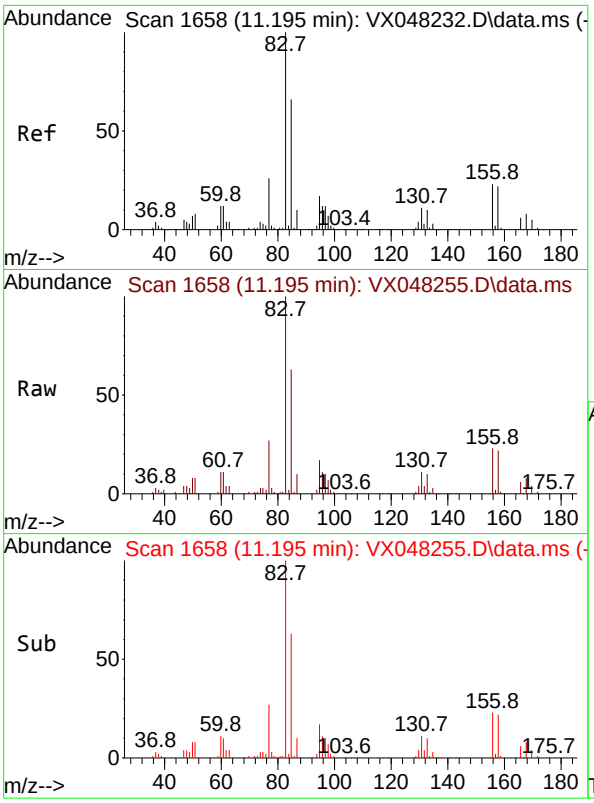




#74
N-amyl acetate
Concen: 16.144 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 43 Resp: 46339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 43.9 | 32.2 | 48.2 |
| 55 | 26.2 | 19.1 | 28.7 |
| 61 | 23.7 | 18.6 | 28.0 |



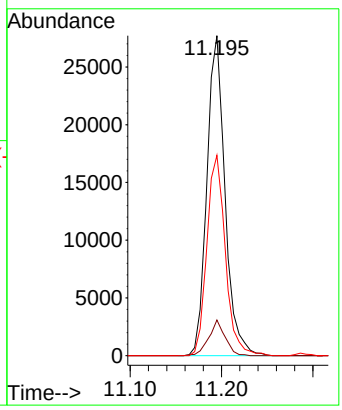


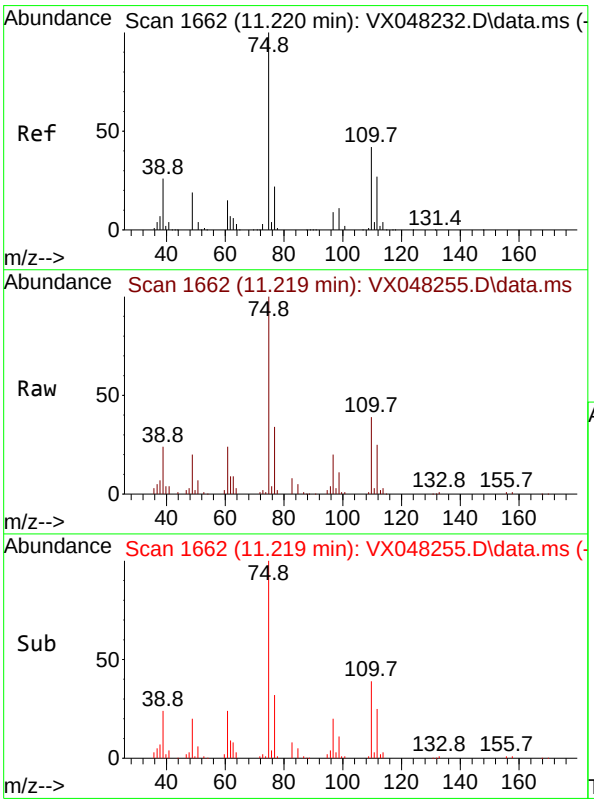

#75
1,1,2,2-Tetrachloroethane
Concen: 17.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 83 Resp: 38121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 4.8 | 14.4 |
| 85 | 63.9 | 31.9 | 95.7 |

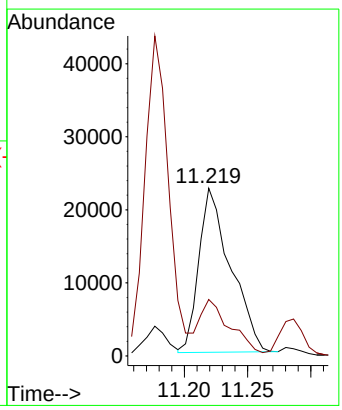


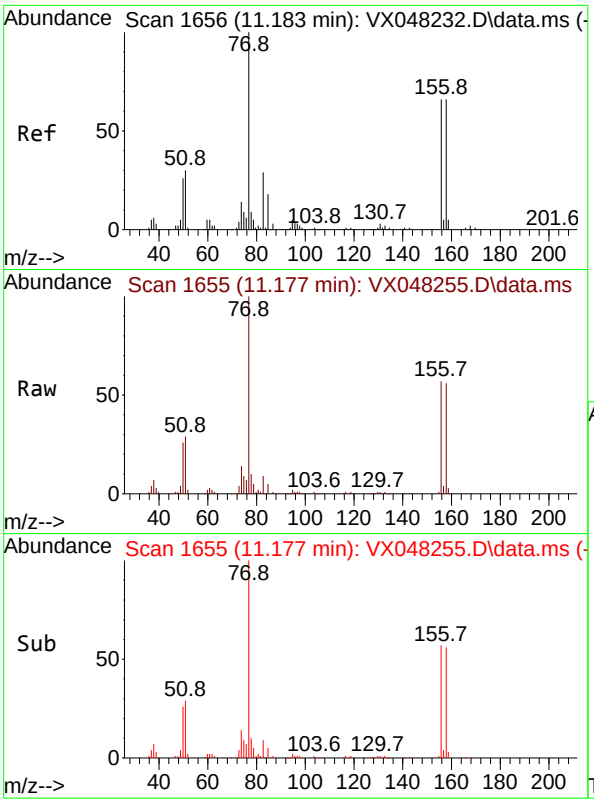




#76
1,2,3-Trichloropropane
Concen: 21.928 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 39397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 22.4 | 67.2 |



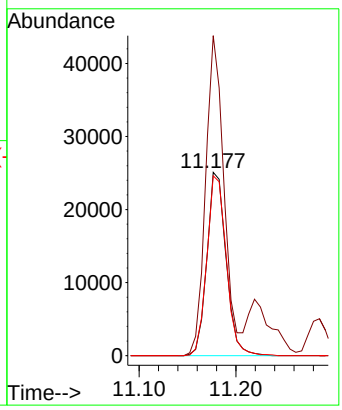


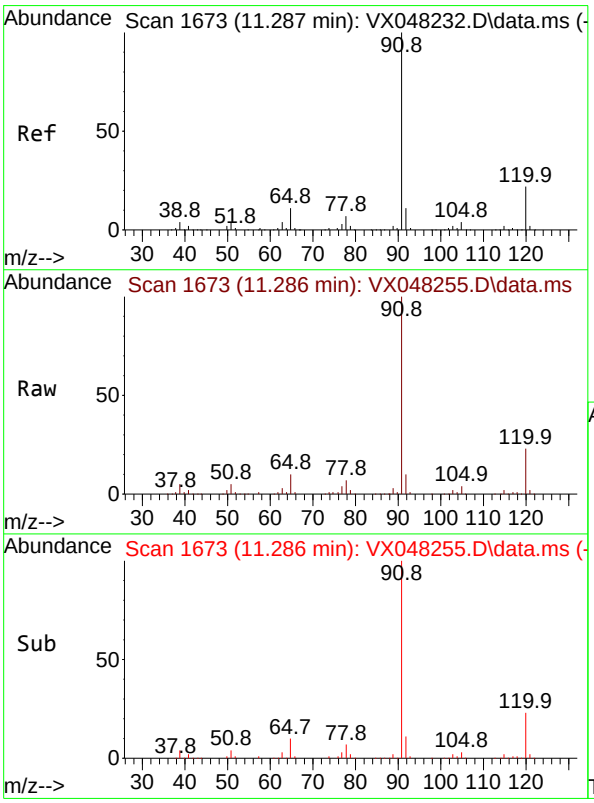

#77
Bromobenzene
Concen: 17.087 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:156 Resp: 34669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 164.6 | 87.0 | 261.0 |
| 158 | 99.9 | 47.8 | 143.4 |

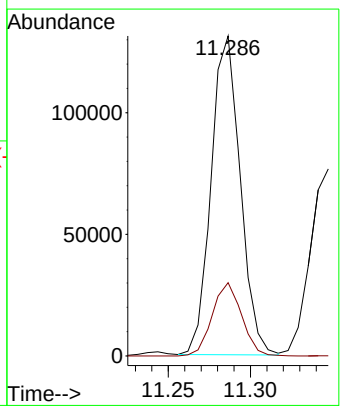


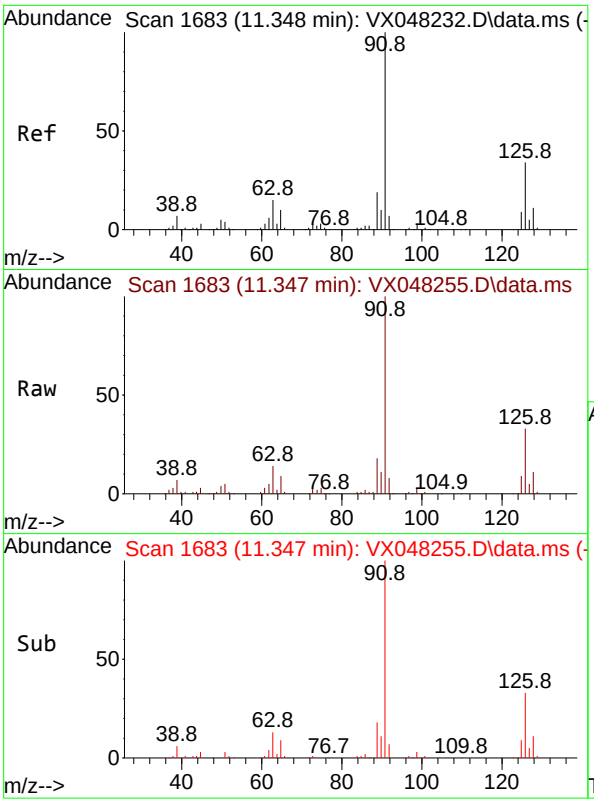




#78
n-propylbenzene
Concen: 17.266 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 91 Resp: 161765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.1 | 11.1 | 33.1 |



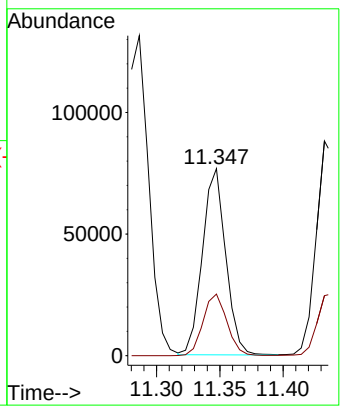


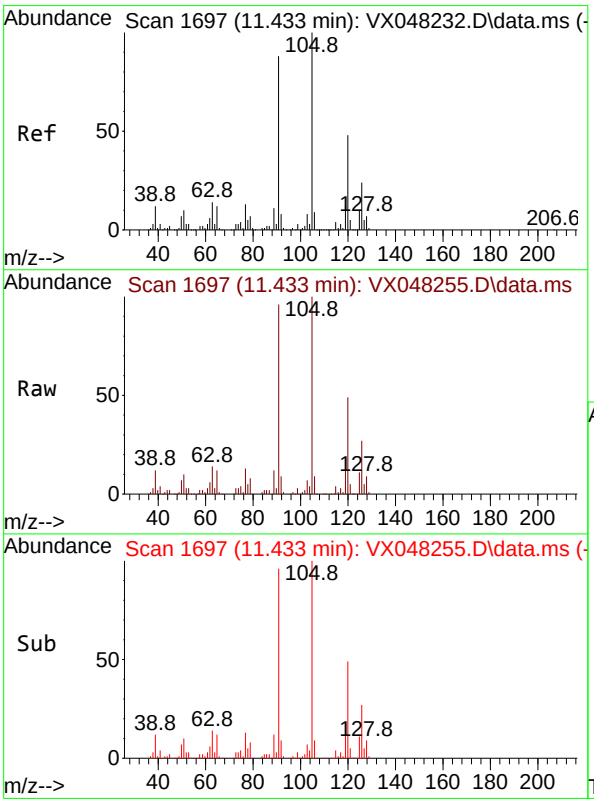

#79
2-Chlorotoluene
Concen: 17.293 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 91 Resp: 98234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.4 | 49.4 |

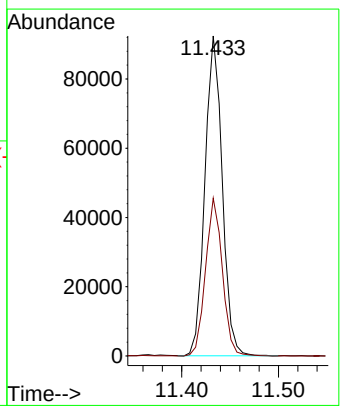


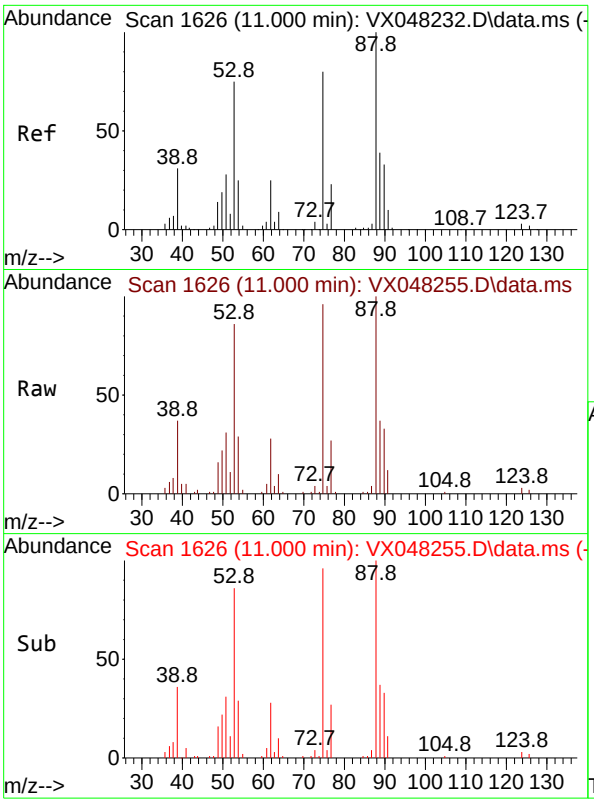




#80
1,3,5-Trimethylbenzene
Concen: 17.137 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:105 Resp: 114762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.0 | 72.0 |



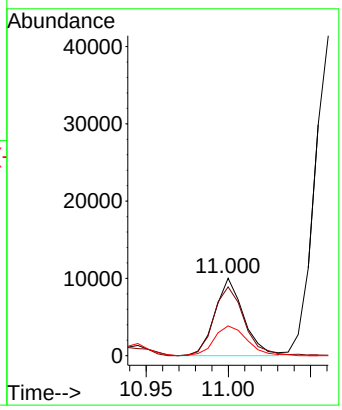


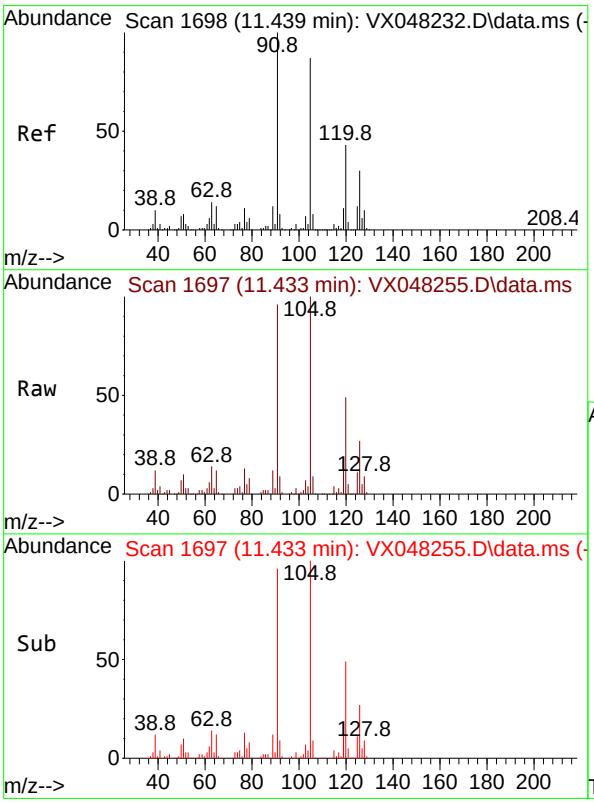

#81
trans-1,4-Dichloro-2-butene
Concen: 16.530 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 75 Resp: 12207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 95.6 | 79.5 | 119.3 |
| 89 | 43.7 | 36.8 | 55.2 |

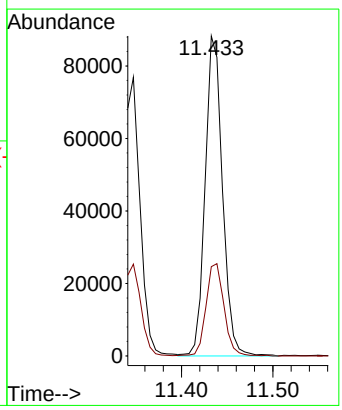


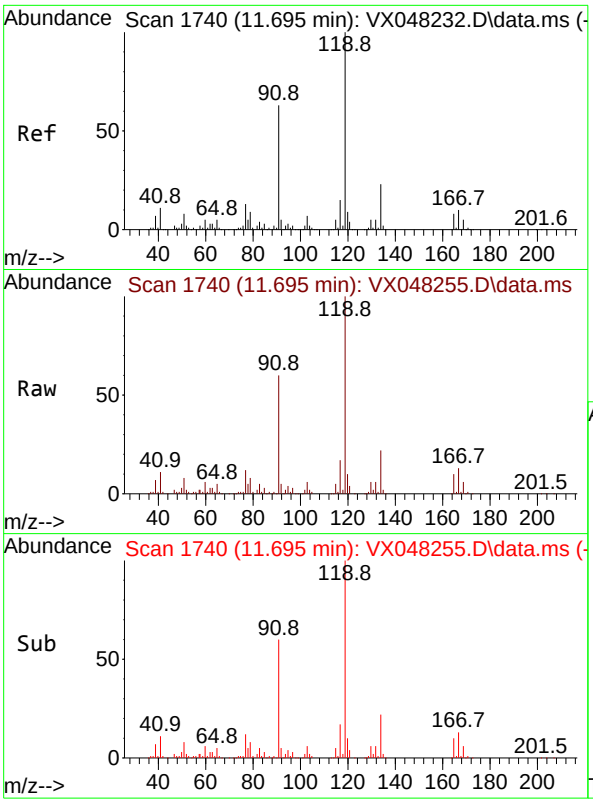




#82
4-Chlorotoluene
Concen: 17.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 91 Resp: 115993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.0 | 14.1 | 42.4 |



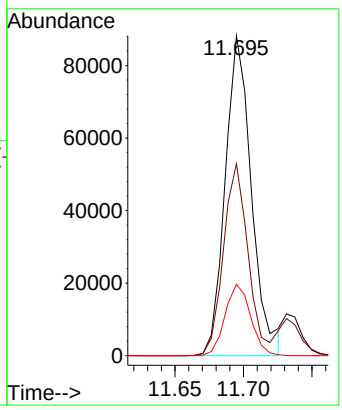


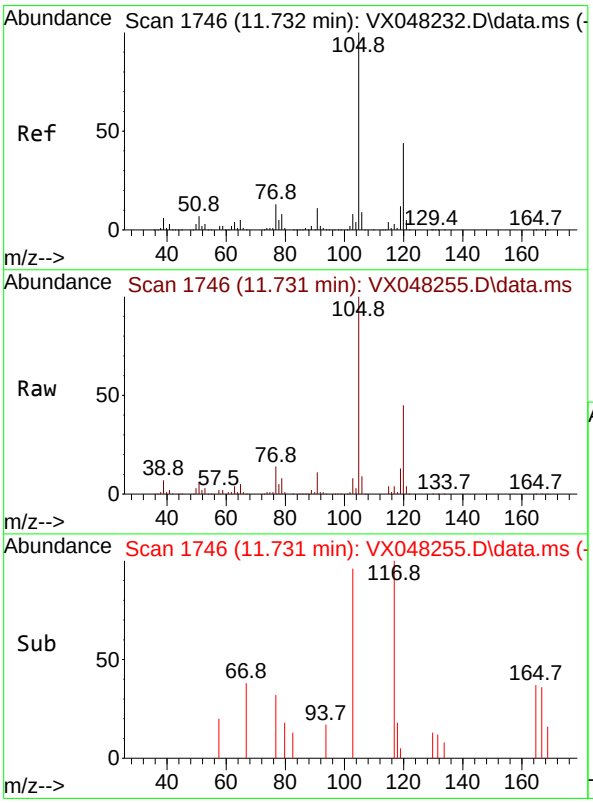

#83
tert-Butylbenzene
Concen: 17.108 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:119 Resp: 117710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 56.3 | 30.3 | 91.0 |
| 134 | 21.8 | 11.4 | 34.2 |

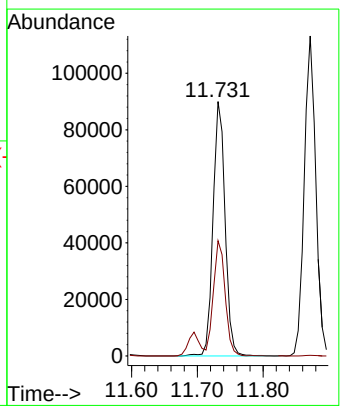


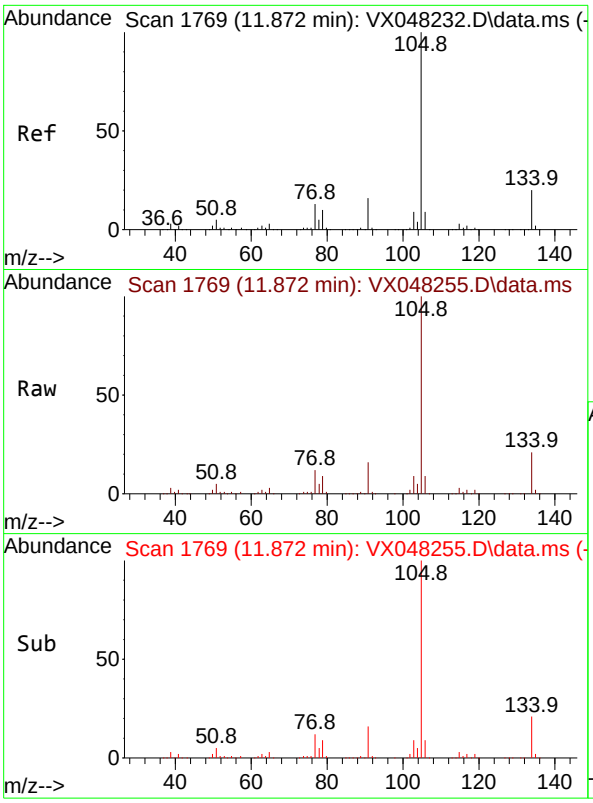




#84
1,2,4-Trimethylbenzene
Concen: 17.197 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:105 Resp: 114927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.5 |



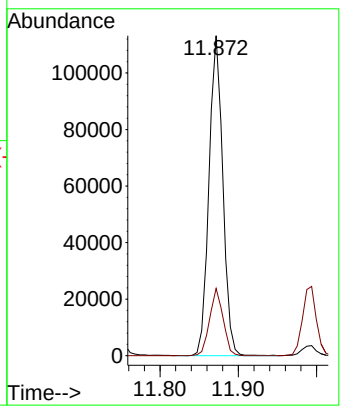


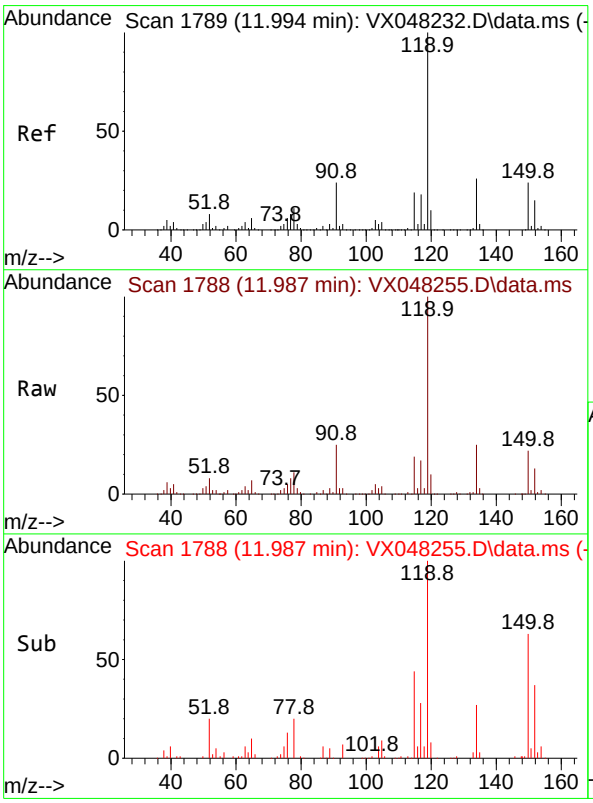

#85
sec-Butylbenzene
Concen: 16.712 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:105 Resp: 138342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 10.1 | 30.1 |

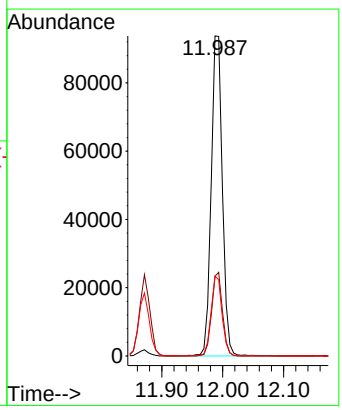


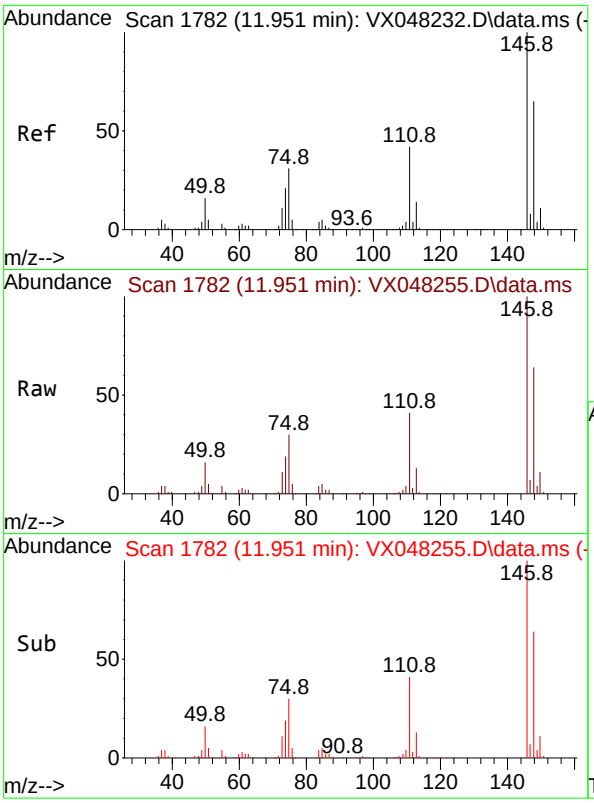




#86
p-Isopropyltoluene
Concen: 16.665 ug/l
RT: 11.987 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:119 Resp: 119237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.3 | 13.0 | 39.0 |
| 91 | 24.6 | 12.1 | 36.3 |



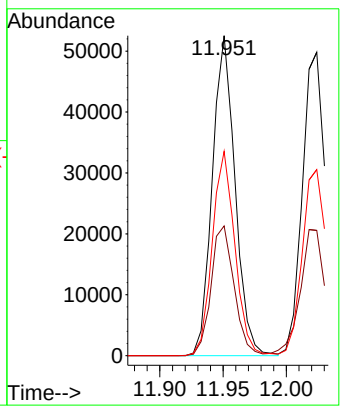


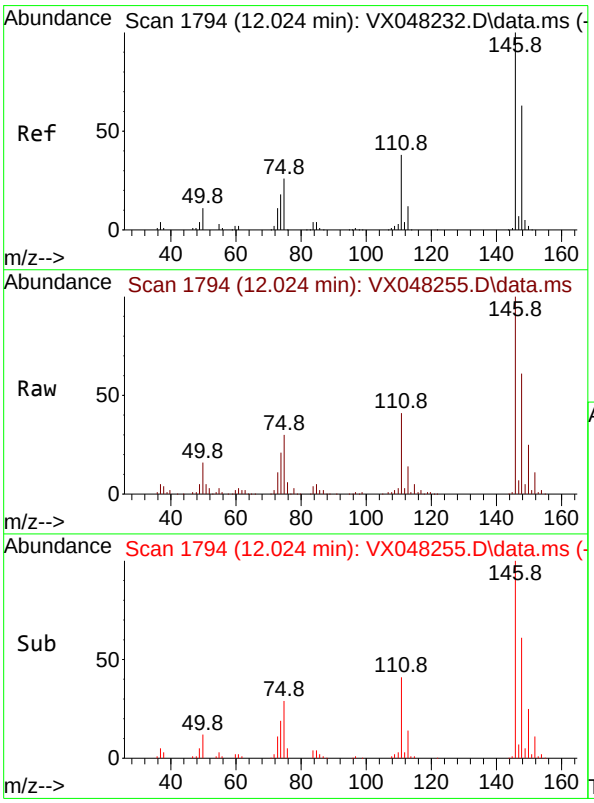

#87
1,3-Dichlorobenzene
Concen: 17.154 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:146 Resp: 65615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.4 | 61.2 |
| 148 | 63.6 | 31.9 | 95.9 |

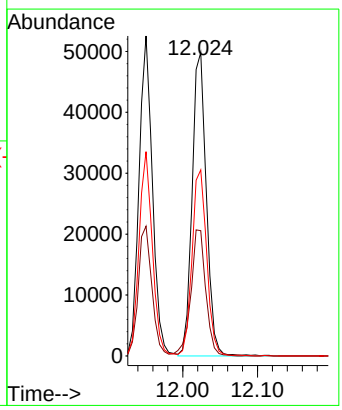


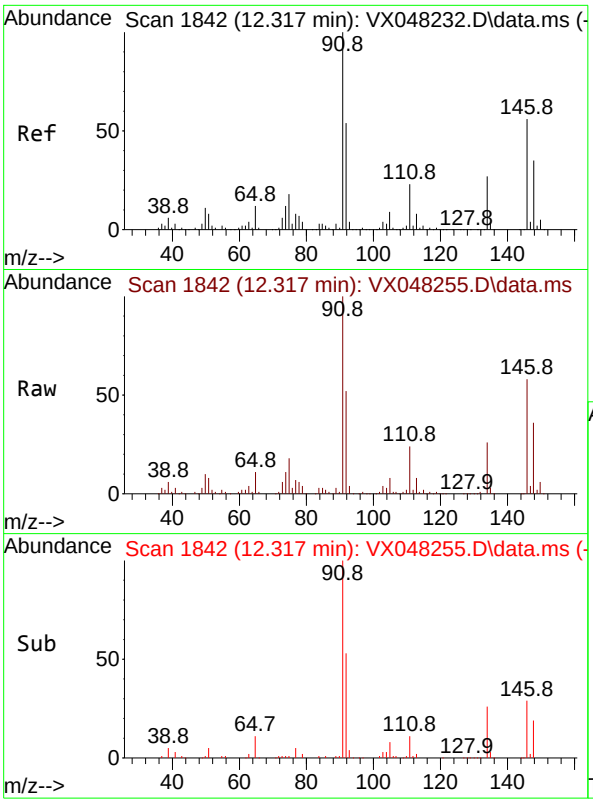




#88
1,4-Dichlorobenzene
Concen: 16.604 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:146 Resp: 65796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 20.1 | 60.2 |
| 148 | 63.3 | 31.8 | 95.3 |



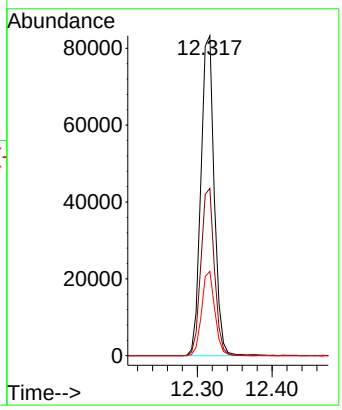


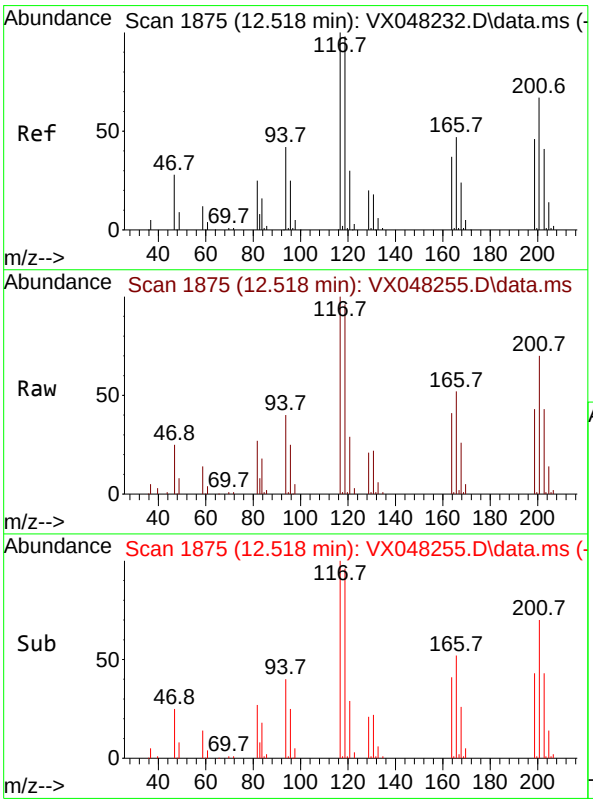

#89
n-Butylbenzene
Concen: 15.875 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion: 91 Resp: 103383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.9 | 80.6 |
| 134 | 26.0 | 12.7 | 38.1 |

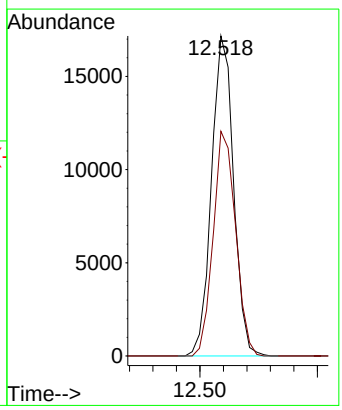


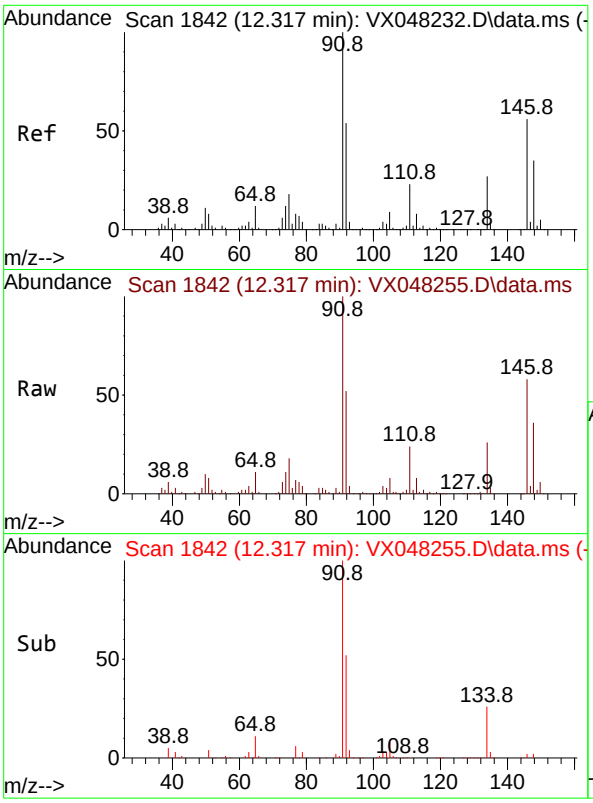




#90
Hexachloroethane
Concen: 15.825 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:117 Resp: 22360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.4 | 34.1 | 102.2 |



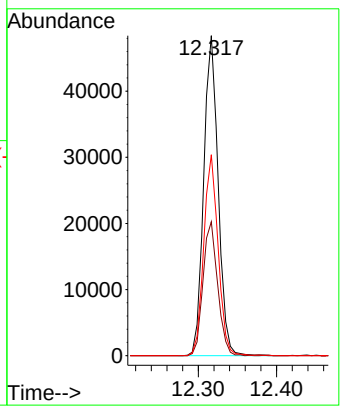


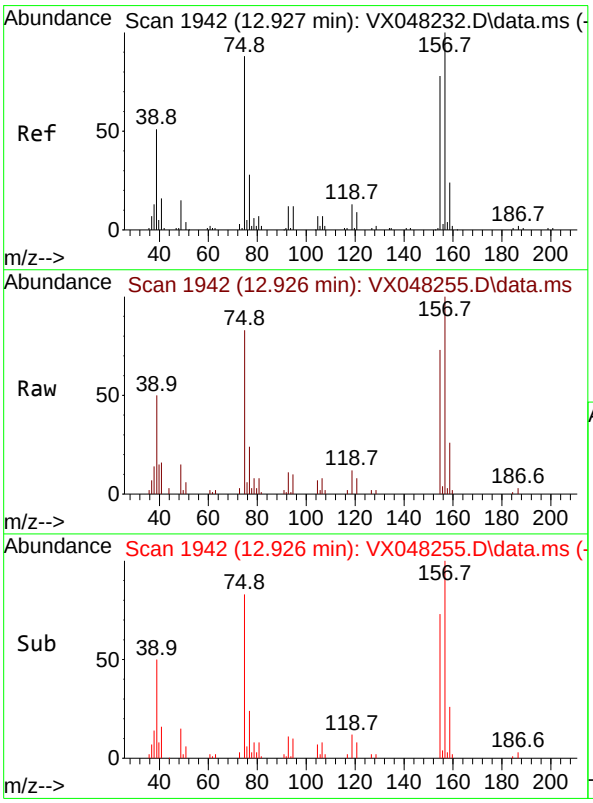

#91
1,2-Dichlorobenzene
Concen: 17.219 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:146 Resp: 61839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.4 | 21.9 | 65.5 |
| 148 | 62.5 | 31.9 | 95.5 |

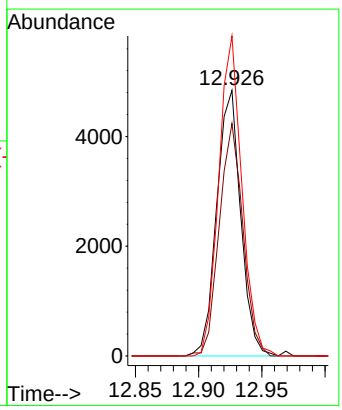


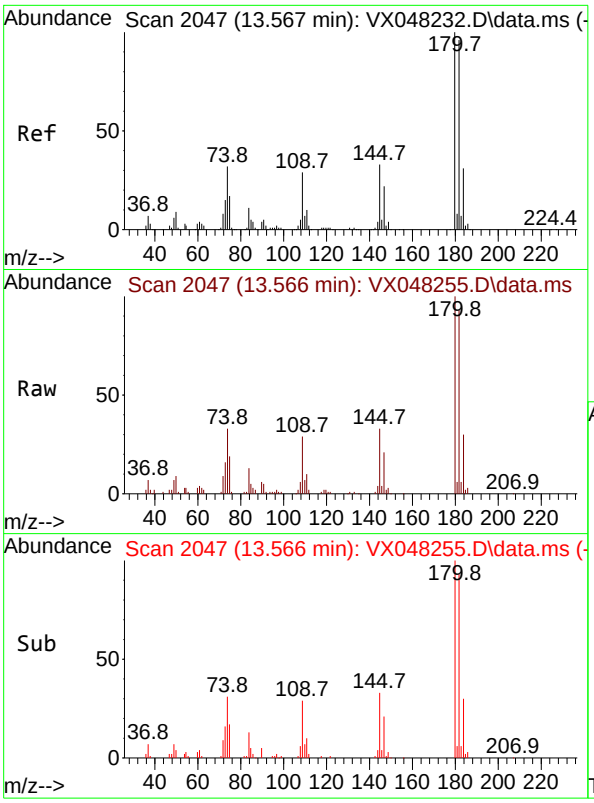




#92
1,2-Dibromo-3-Chloropropane
Concen: 14.205 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 6372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.2 | 42.8 | 128.4 |
| 157 | 116.0 | 54.2 | 162.6 |



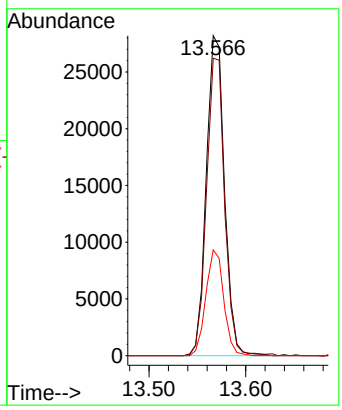


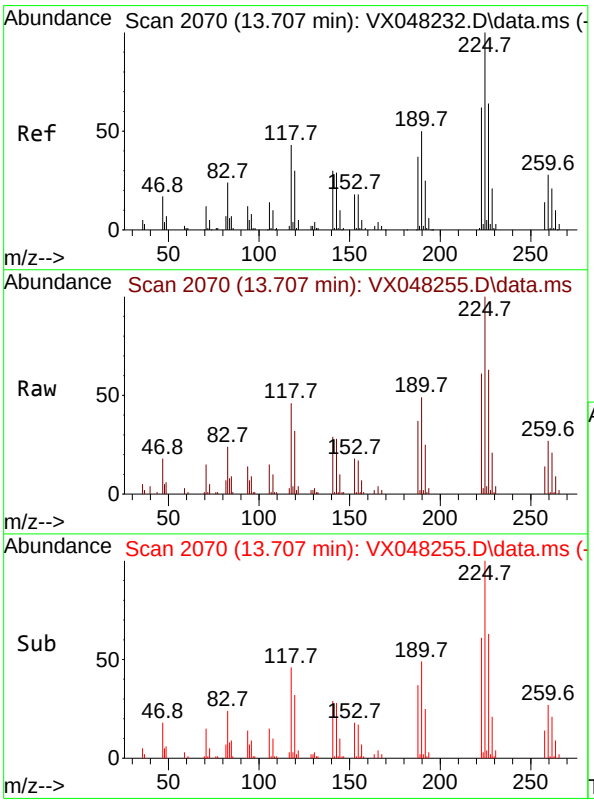

#93
1,2,4-Trichlorobenzene
Concen: 15.216 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:180 Resp: 36955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.6 | 47.3 | 142.0 |
| 145 | 32.5 | 16.3 | 48.9 |

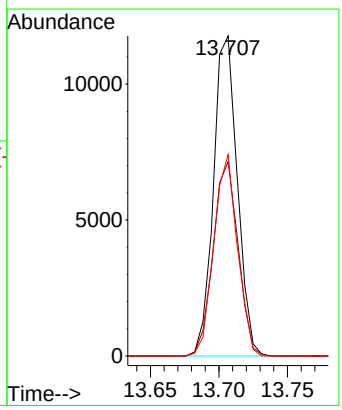


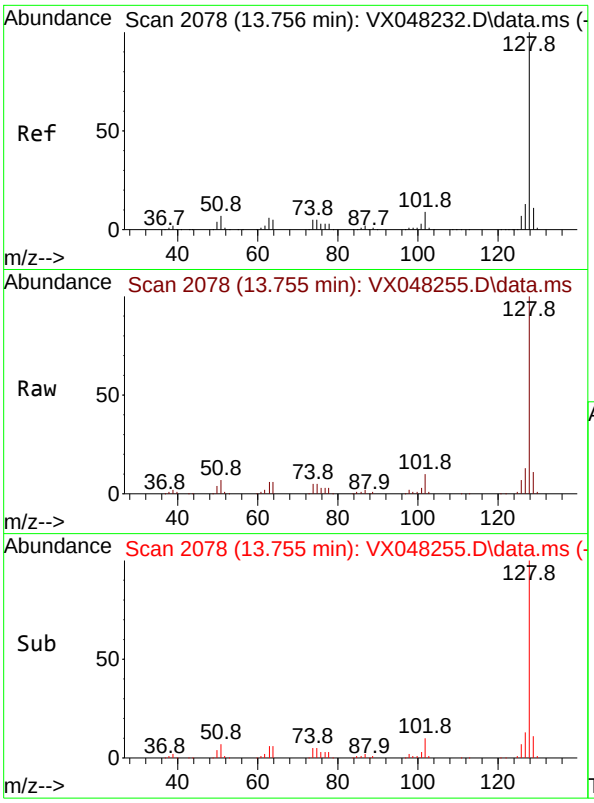




#94
Hexachlorobutadiene
Concen: 15.707 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:225 Resp: 14253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 32.6 | 97.7 |
| 227 | 62.2 | 32.5 | 97.4 |



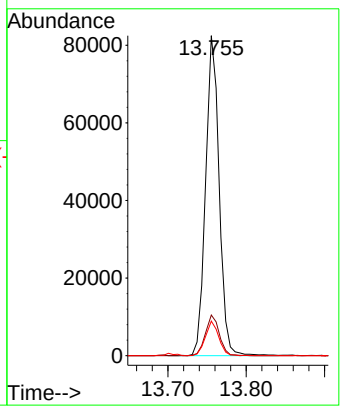


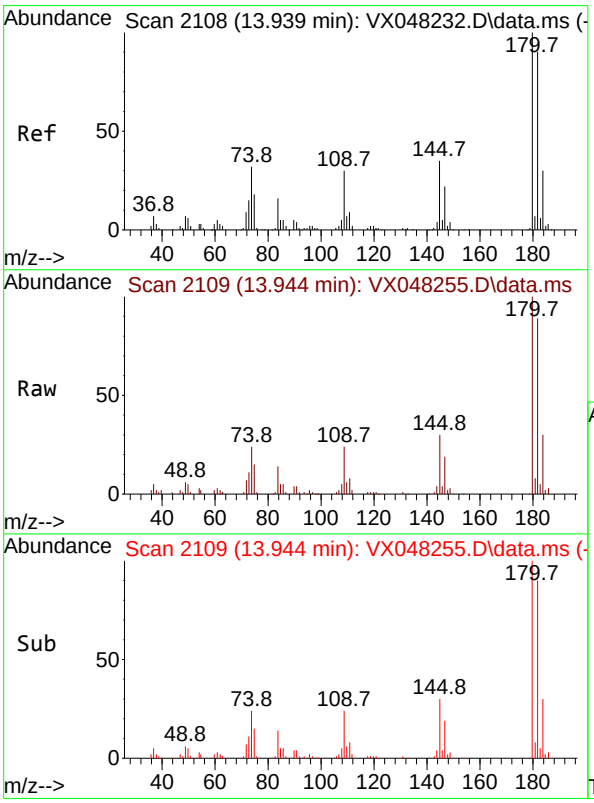

#95
Naphthalene
Concen: 15.345 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1021WBS01

Tgt Ion:128 Resp: 98736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.2 | 15.4 |
| 129 | 10.7 | 8.6 | 12.8 |

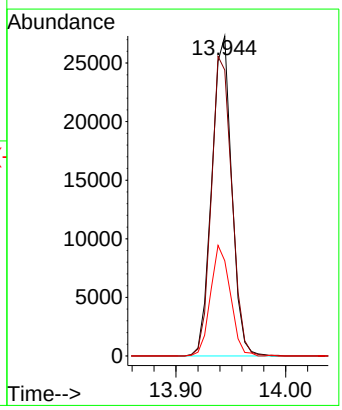



#96
1,2,3-Trichlorobenzene
Concen: 15.454 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:180 Resp: 34440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 46.6 | 139.7 |
| 145 | 34.4 | 16.9 | 50.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 110260 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 183155 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 177679 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 103139 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 86809 | 56.153 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 112.300% | | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 66021 | 52.800 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 105.600% | | | | |
| 50) Toluene-d8 | 8.635 | 98 | 226656 | 51.716 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 103.440% | | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 100241 | 60.121 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 120.240% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 51728 | 45.636 | ug/l | | 96 |
| 3) Chloromethane | 1.300 | 50 | 43511 | 41.125 | ug/l | | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 40381 | 41.217 | ug/l | | 100 |
| 5) Bromomethane | 1.617 | 94 | 28469 | 42.818 | ug/l | | 97 |
| 6) Chloroethane | 1.697 | 64 | 25432 | 44.175 | ug/l | | 92 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 88297 | 46.992 | ug/l | | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 24255 | 45.877 | ug/l | | 83 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 52798 | 44.374 | ug/l | | 95 |
| 10) Methyl Iodide | 2.459 | 142 | 76908 | 51.416 | ug/l | | 98 |
| 11) Tert butyl alcohol | 2.940 | 59 | 31351 | 204.253 | ug/l | | 98 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 53980 | 46.632 | ug/l | | 96 |
| 13) Acrolein | 2.239 | 56 | 42126 | 269.101 | ug/l | | 100 |
| 14) Allyl chloride | 2.666 | 41 | 86002 | 44.749 | ug/l | | 93 |
| 15) Acrylonitrile | 3.056 | 53 | 127802 | 230.910 | ug/l | | 100 |
| 16) Acetone | 2.373 | 43 | 101775 | 191.905 | ug/l | | 97 |
| 17) Carbon Disulfide | 2.514 | 76 | 151626 | 41.561 | ug/l | | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 49775 | 44.941 | ug/l | | 91 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 192863 | 48.837 | ug/l | | 96 |
| 20) Methylene Chloride | 2.788 | 84 | 62187 | 48.124 | ug/l | | 90 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 59217 | 46.571 | ug/l | | 100 |
| 22) Diisopropyl ether | 3.751 | 45 | 183332 | 47.827 | ug/l | # | 88 |
| 23) Vinyl Acetate | 3.715 | 43 | 742546 | 242.501 | ug/l | | 96 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 108877 | 46.973 | ug/l | | 99 |
| 25) 2-Butanone | 4.538 | 43 | 144575 | 215.374 | ug/l | | 96 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 93655 | 44.766 | ug/l | | 99 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 71911 | 48.458 | ug/l | | 97 |
| 28) Bromochloromethane | 4.891 | 49 | 45824 | 47.680 | ug/l | # | 81 |
| 29) Tetrahydrofuran | 4.989 | 42 | 87839 | 218.490 | ug/l | | 89 |
| 30) Chloroform | 5.086 | 83 | 121680 | 49.137 | ug/l | | 98 |
| 31) Cyclohexane | 5.464 | 56 | 84891 | 44.238 | ug/l | # | 86 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 111254 | 48.747 | ug/l | | 98 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 80634 | 45.371 | ug/l | | 98 |
| 37) Ethyl Acetate | 4.702 | 43 | 63123 | 42.851 | ug/l | | 97 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 100140 | 45.671 | ug/l | | 99 |
| 39) Methylcyclohexane | 7.366 | 83 | 89560 | 42.670 | ug/l | | 96 |
| 40) Benzene | 6.025 | 78 | 235395 | 45.621 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.903 | 41 | 35543 | 45.945 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 95021 | 49.906 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.324 | 43 | 109791 | 45.374 | ug/l | | 96 |
| 44) Trichloroethene | 7.110 | 130 | 63675 | 46.735 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 57013 | 46.474 | ug/l | | 95 |
| 46) Dibromomethane | 7.568 | 93 | 45069 | 47.155 | ug/l | | 93 |
| 47) Bromodichloromethane | 7.805 | 83 | 99888 | 48.404 | ug/l | | 96 |
| 48) Methyl methacrylate | 7.677 | 41 | 56463 | 46.243 | ug/l | | 94 |
| 49) 1,4-Dioxane | 7.647 | 88 | 14536 | 901.119 | ug/l | | 89 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 317029 | 227.242 | ug/l | | 94 |
| 52) Toluene | 8.702 | 92 | 157443 | 48.031 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 98842 | 49.703 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 102835 | 47.929 | ug/l | | 93 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 59379 | 48.711 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.104 | 69 | 87411 | 49.025 | ug/l | | 95 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 102643 | 49.295 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 230656 | 240.651 | ug/l | | 94 |
| 59) 2-Hexanone | 9.415 | 43 | 223051 | 229.287 | ug/l | | 95 |
| 60) Dibromochloromethane | 9.506 | 129 | 80763 | 49.293 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 63070 | 48.532 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.256 | 164 | 56206 | 42.374 | ug/l | | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 182408 | 45.637 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 67128 | 45.726 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 308525 | 45.338 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 235258 | 93.046 | ug/l | | 100 |
| 69) o-Xylene | 10.628 | 106 | 114670 | 46.976 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 200106 | 48.144 | ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 53984 | 46.009 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 311296 | 41.323 | ug/l | | 99 |
| 74) N-amyl acetate | 10.823 | 43 | 107536 | 40.243 | ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 86911 | 42.247 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 97142 | 58.080 | ug/l | | 79 |
| 77) Bromobenzene | 11.183 | 156 | 80549 | 42.643 | ug/l | | 94 |
| 78) n-propylbenzene | 11.286 | 91 | 365847 | 41.944 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 220518 | 41.700 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 264110 | 42.365 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 27633 | 40.195 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 265279 | 42.258 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.695 | 119 | 269712 | 42.107 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 264898 | 42.577 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 314902 | 40.863 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.988 | 119 | 272639 | 40.931 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 145669 | 40.908 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 148555 | 40.270 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.311 | 91 | 236982 | 39.088 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 50186 | 38.153 | ug/l | | 92 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 140638 | 42.066 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 17092 | 40.930 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 87024 | 38.490 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 32660 | 38.565 | ug/l | | 97 |
| 95) Naphthalene | 13.756 | 128 | 250514 | 41.822 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 83499 | 40.246 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

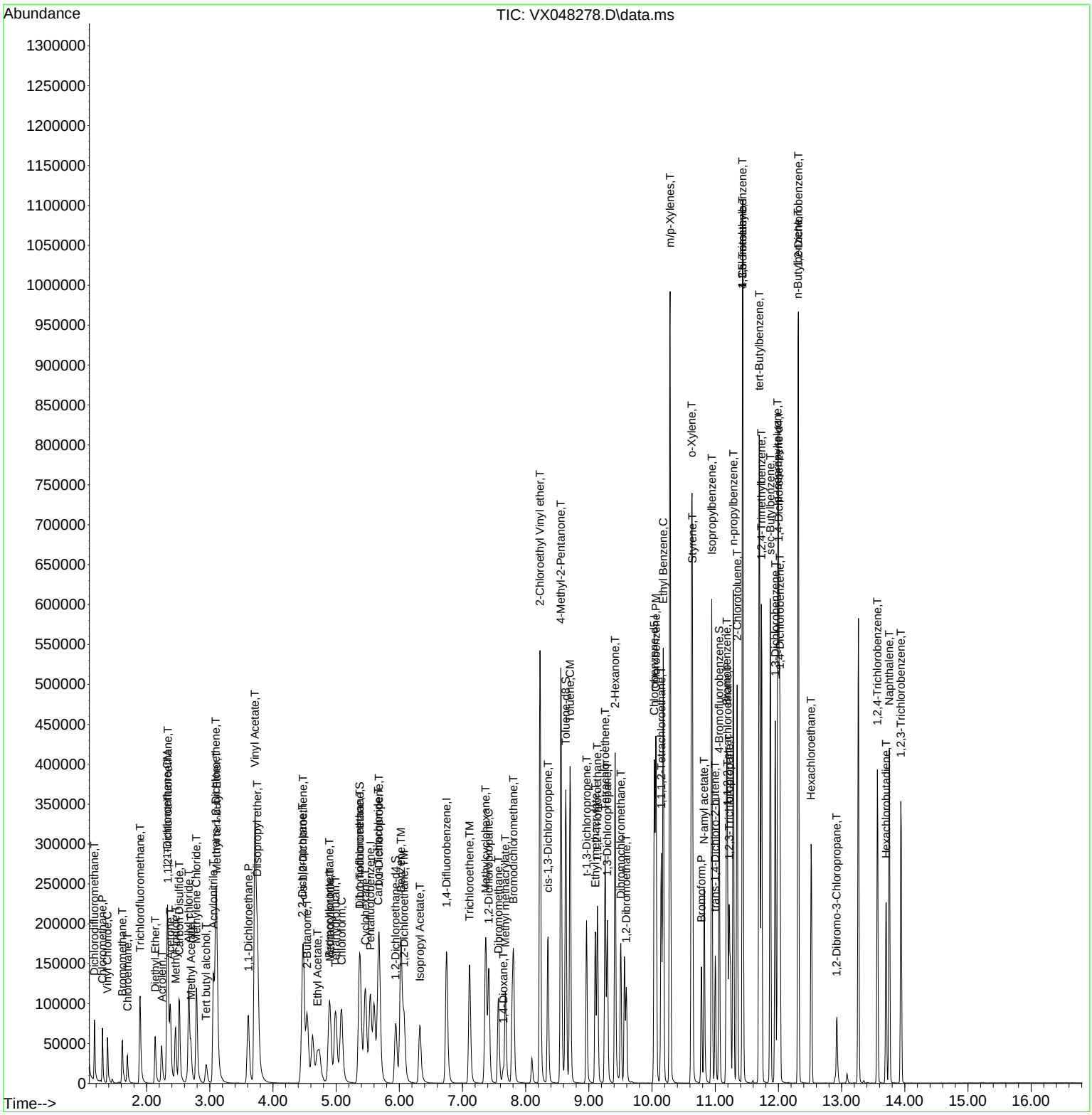
(#) = qualifier out of range (m) = manual integration (+) = signals summed

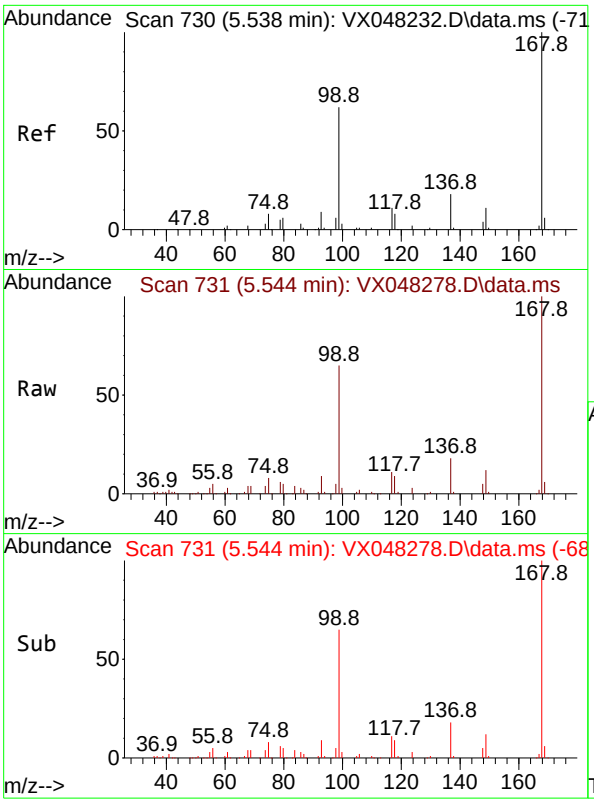
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048278.D
Acq On : 21 Oct 2025 18:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Oct 24 04:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



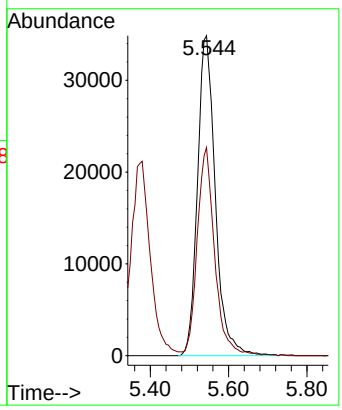


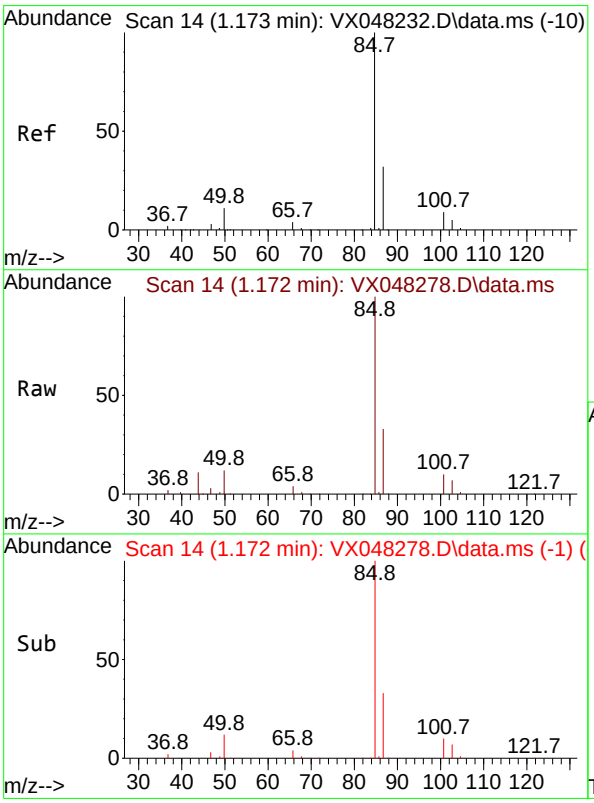

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 110260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 65.1 | 46.4 | 69.6 |

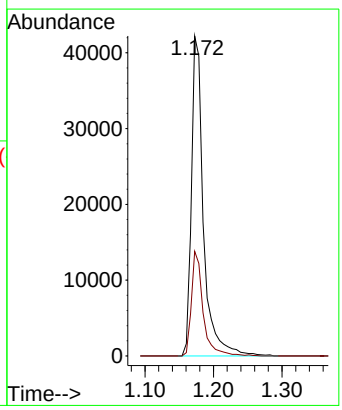


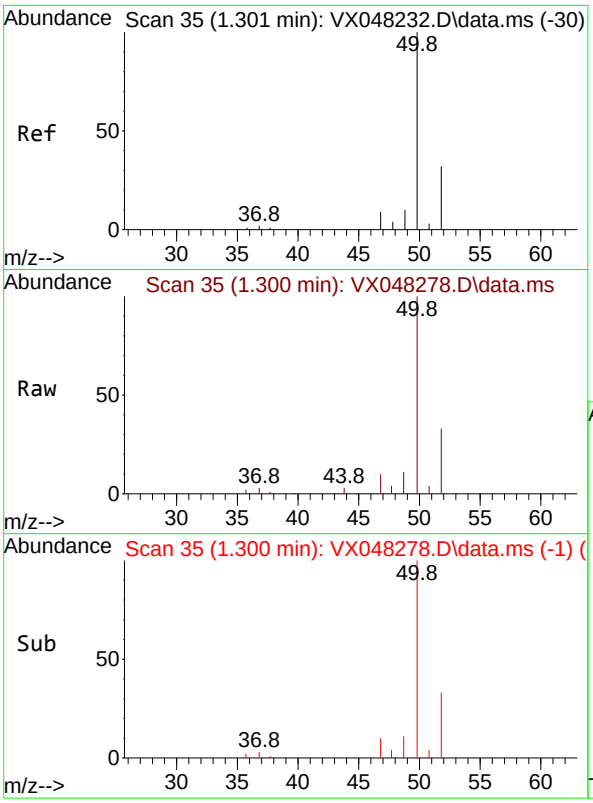




#2
Dichlorodifluoromethane
Concen: 45.636 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 85 Resp: 51728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.7 | 15.3 | 45.9 |



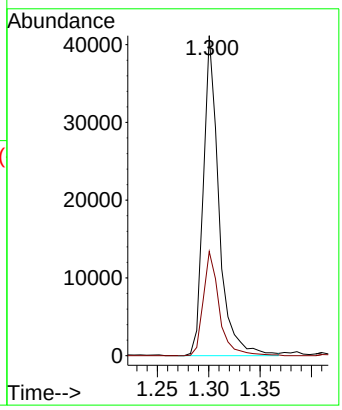


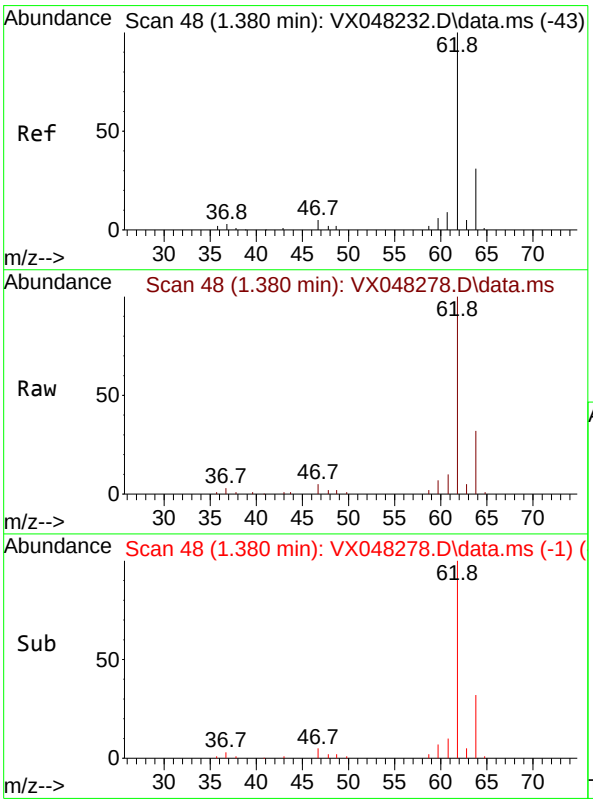

#3
Chloromethane
Concen: 41.125 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 43511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 25.9 | 38.9 |

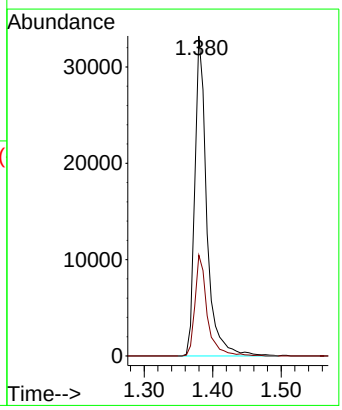


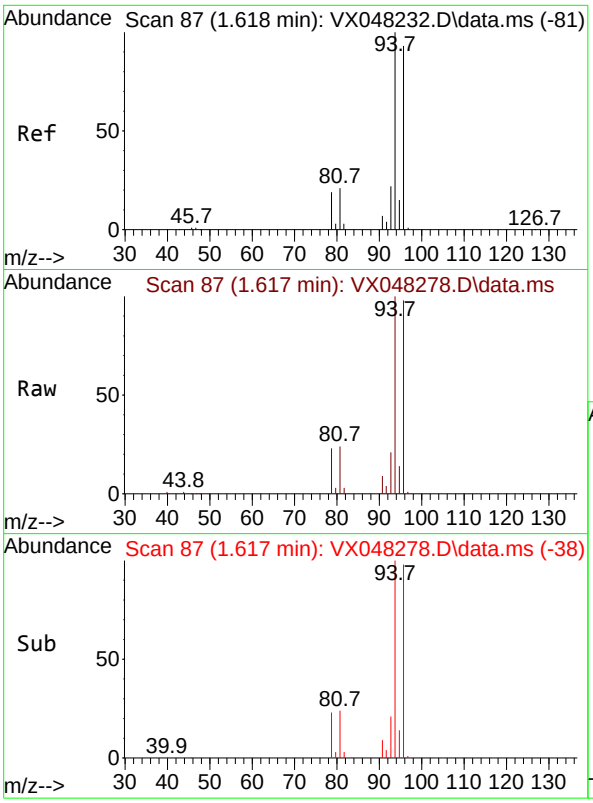




#4
Vinyl Chloride
Concen: 41.217 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 62 Resp: 40381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 25.1 | 37.7 |



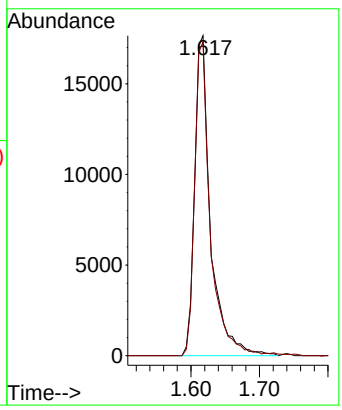


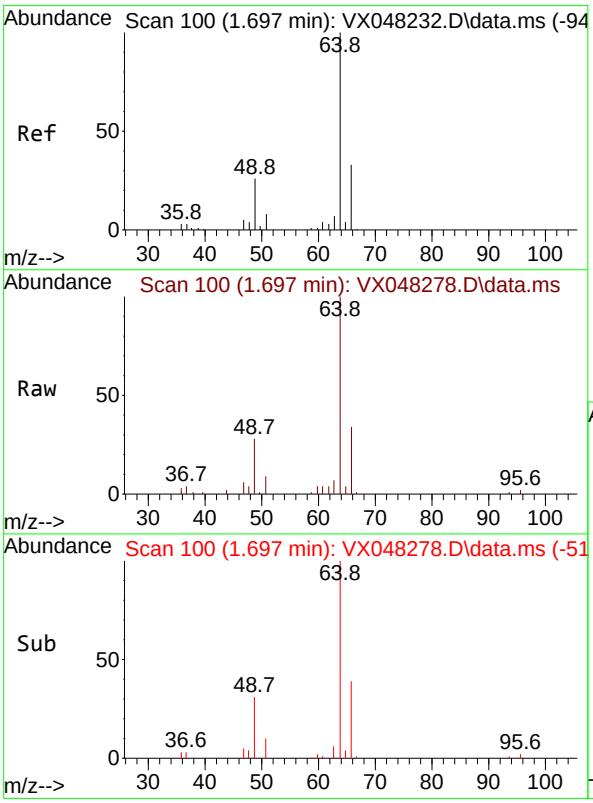

#5
Bromomethane
Concen: 42.818 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 28469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 98.1 | 76.0 | 114.0 |

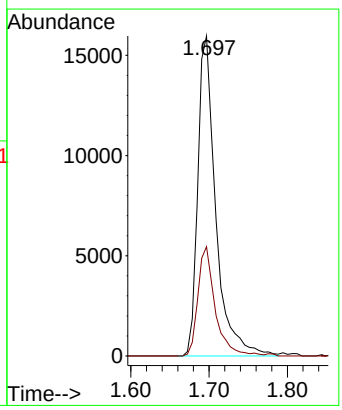


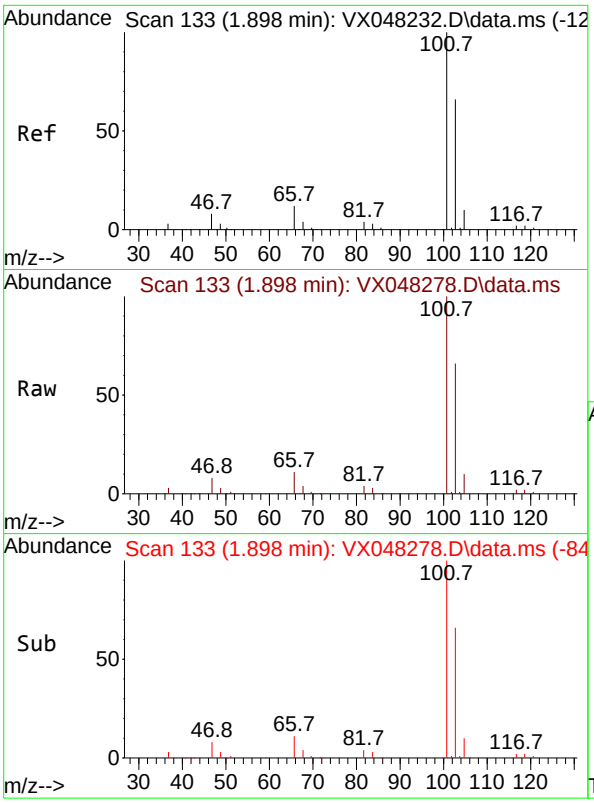




#6
Chloroethane
Concen: 44.175 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 64 Resp: 25432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.2 | 23.9 | 35.9 |



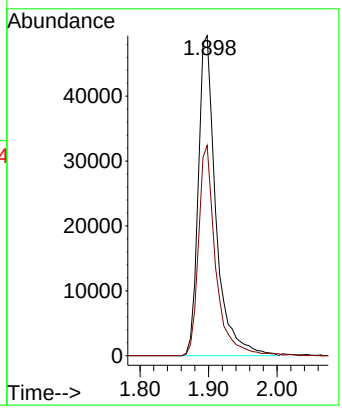


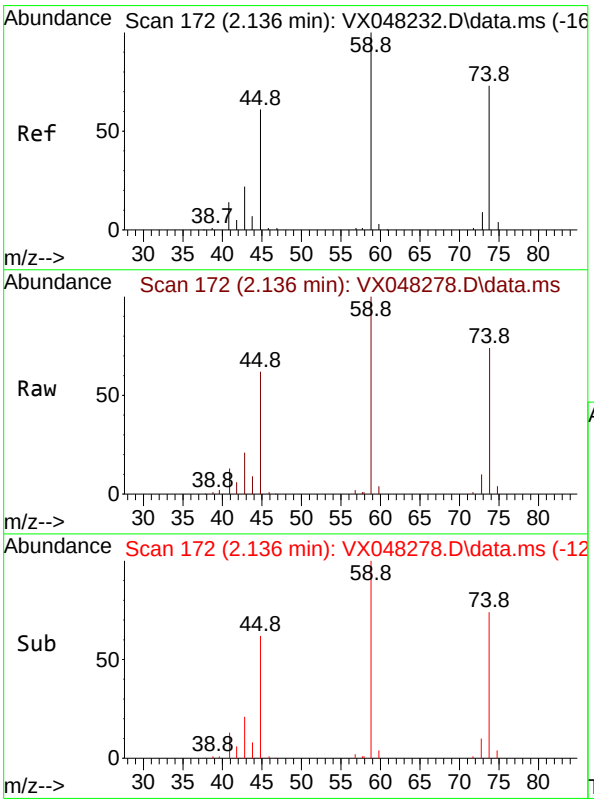

#7
Trichlorofluoromethane
Concen: 46.992 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 88297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.7 | 51.6 | 77.4 |

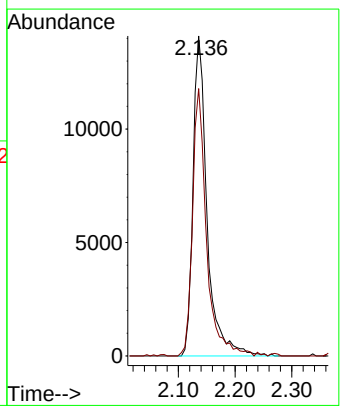


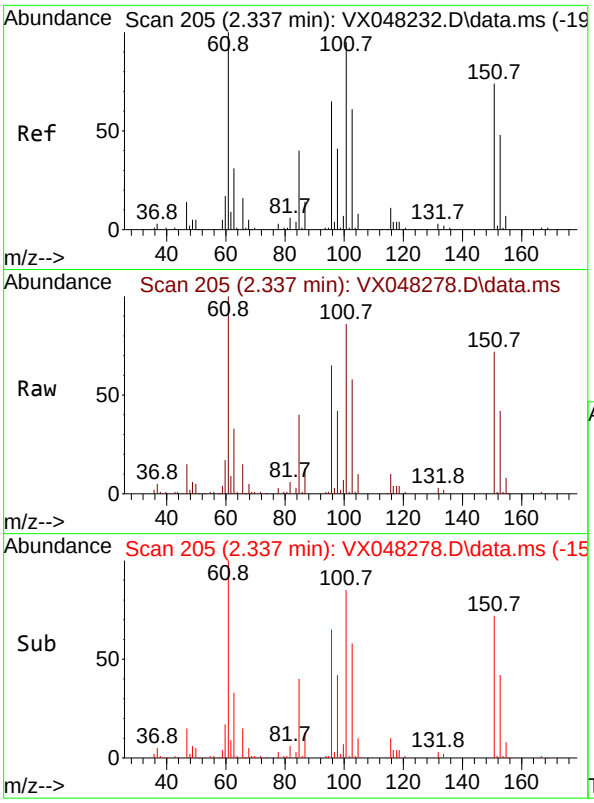




#8
Diethyl Ether
Concen: 45.877 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 74 Resp: 24255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 83.2 | 50.0 | 149.8 |



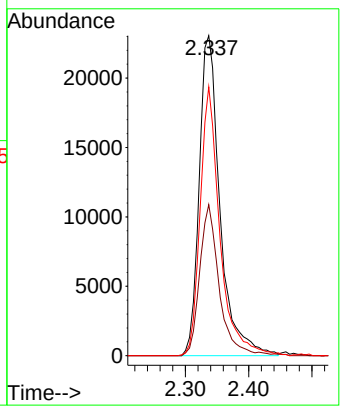


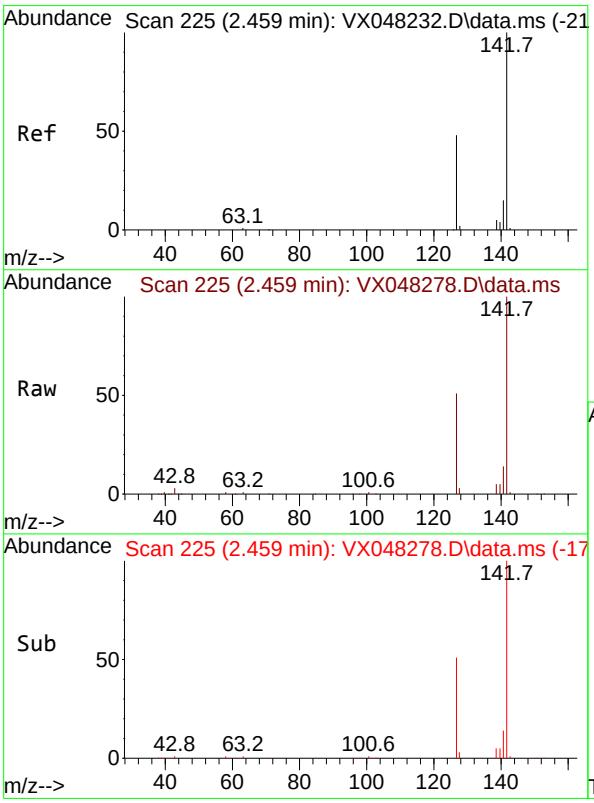

#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.374 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 52798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.5 | 35.6 | 53.4 |
| 151 | 79.7 | 58.0 | 87.0 |

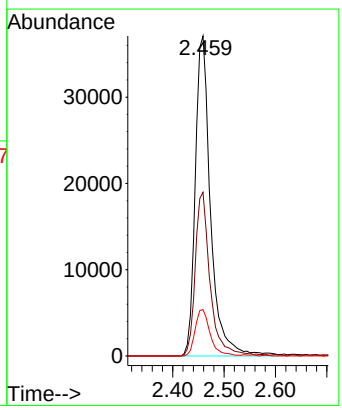


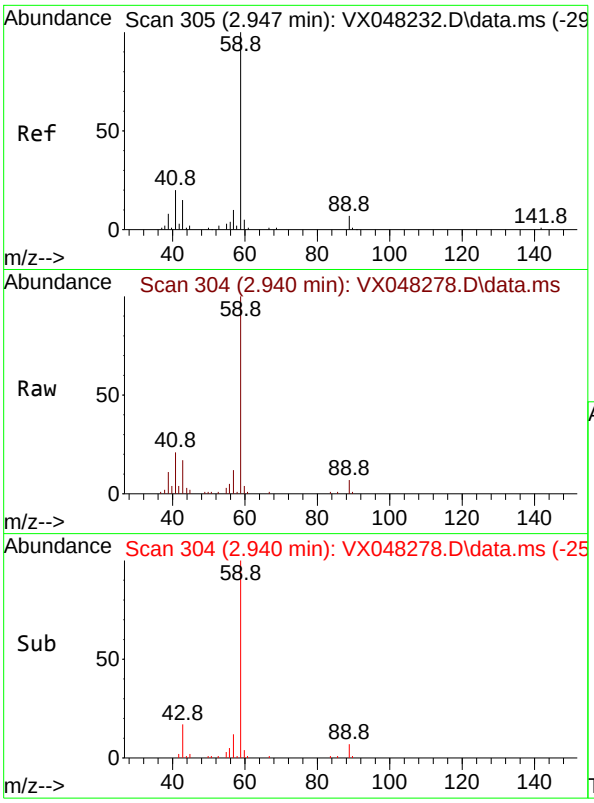




#10
Methyl Iodide
Concen: 51.416 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:142 Resp: 76908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.9 | 38.5 | 57.7 |
| 141 | 14.2 | 11.6 | 17.4 |



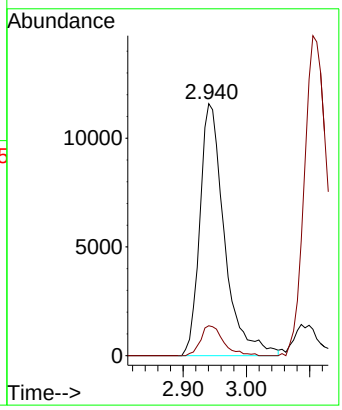


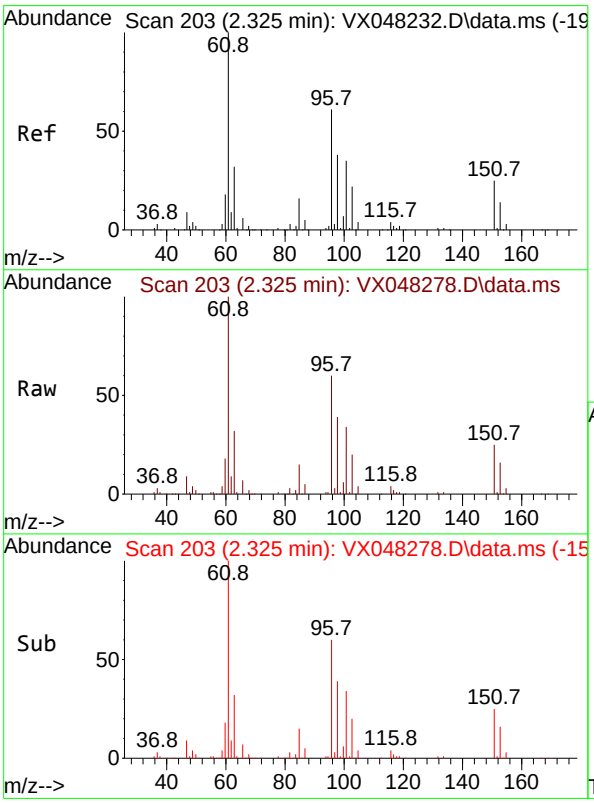

#11
Tert butyl alcohol
Concen: 204.253 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 31351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.1 | 8.2 | 12.4 |

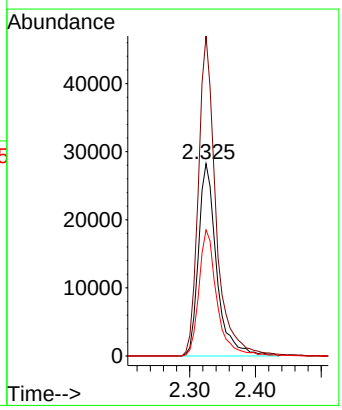


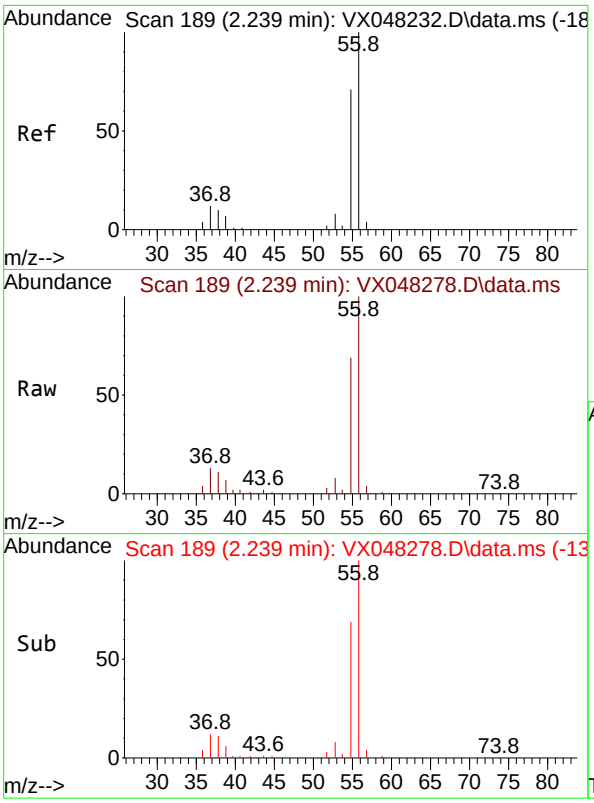




#12
1,1-Dichloroethene
Concen: 46.632 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 96 Resp: 53980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 166.4 | 139.0 | 208.6 |
| 98 | 65.5 | 52.4 | 78.6 |



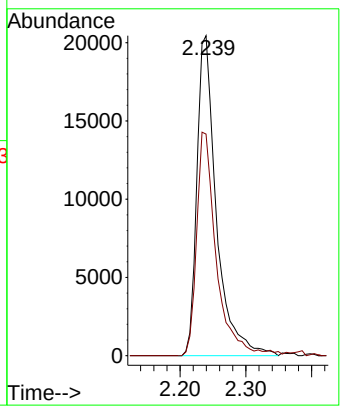


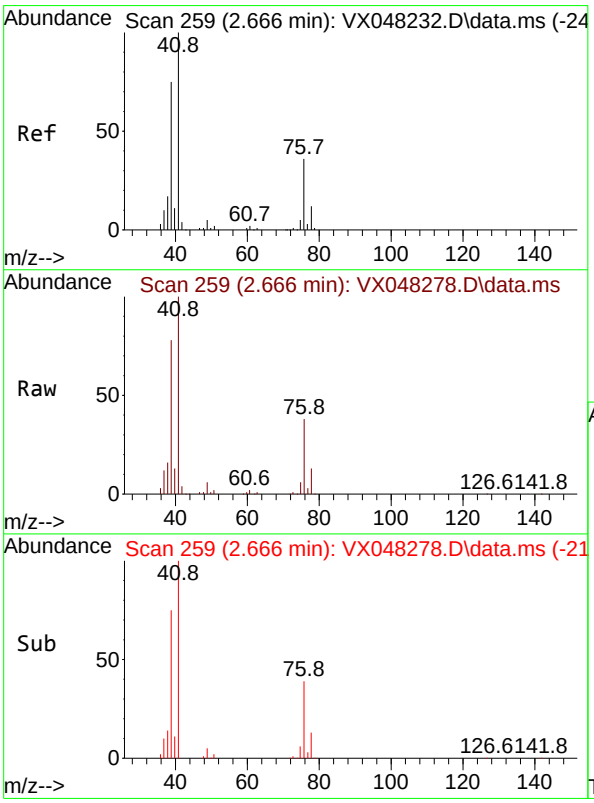

#13
Acrolein
Concen: 269.101 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 42126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.5 | 56.1 | 84.1 |

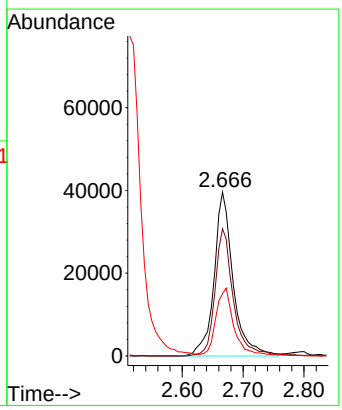


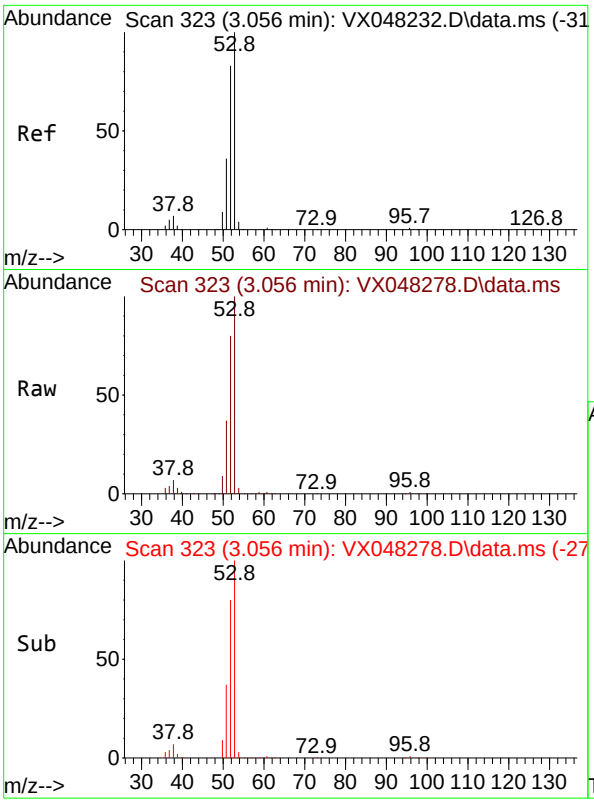




#14
Allyl chloride
Concen: 44.749 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 41 Resp: 86002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.6 | 56.0 | 84.0 |
| 76 | 39.7 | 27.5 | 41.3 |



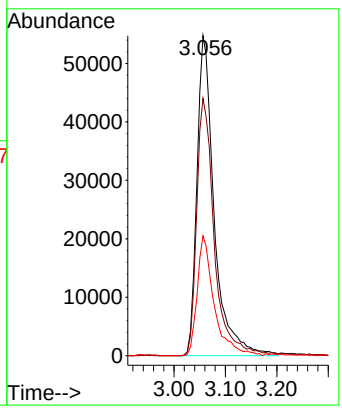


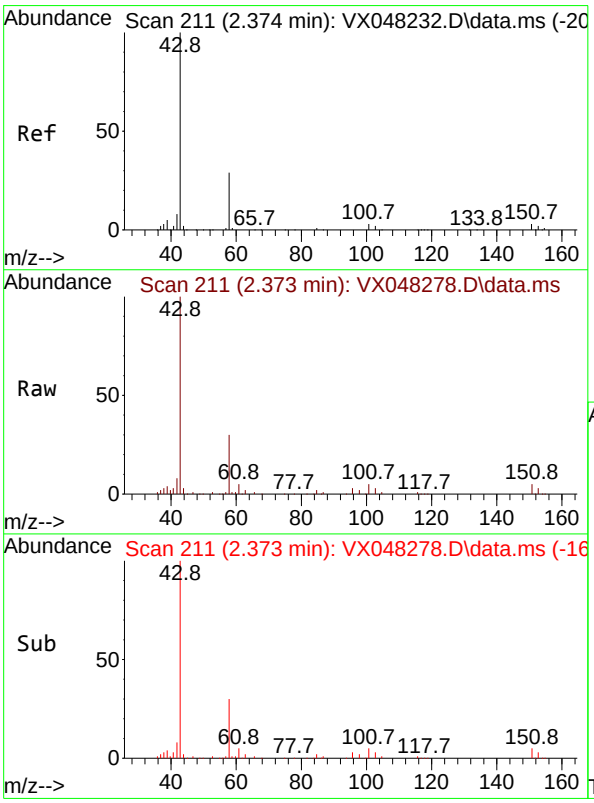

#15
Acrylonitrile
Concen: 230.910 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 127802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.5 | 66.1 | 99.1 |
| 51 | 36.7 | 29.0 | 43.4 |

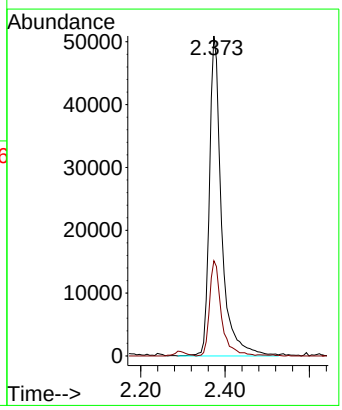


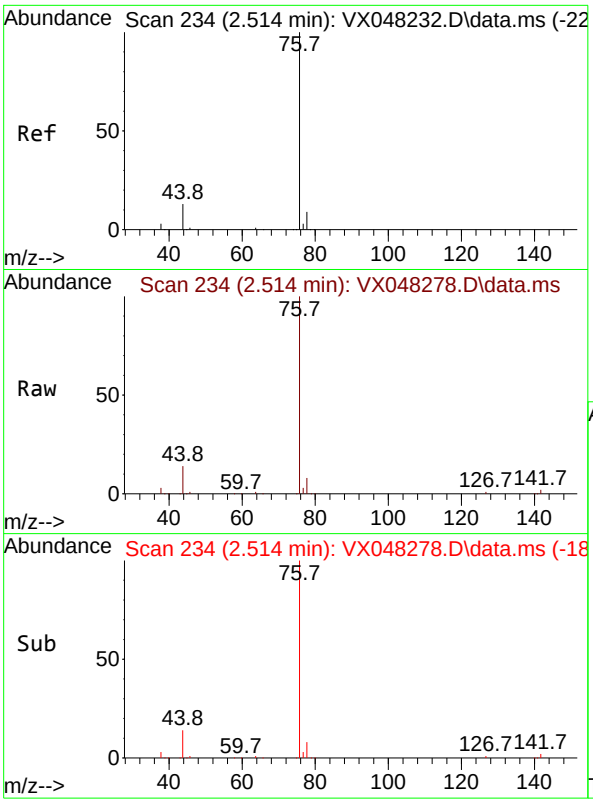




#16
Acetone
Concen: 191.905 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 43 Resp: 101775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.0 | 23.4 | 35.2 |



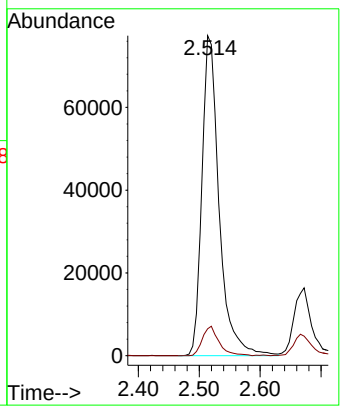


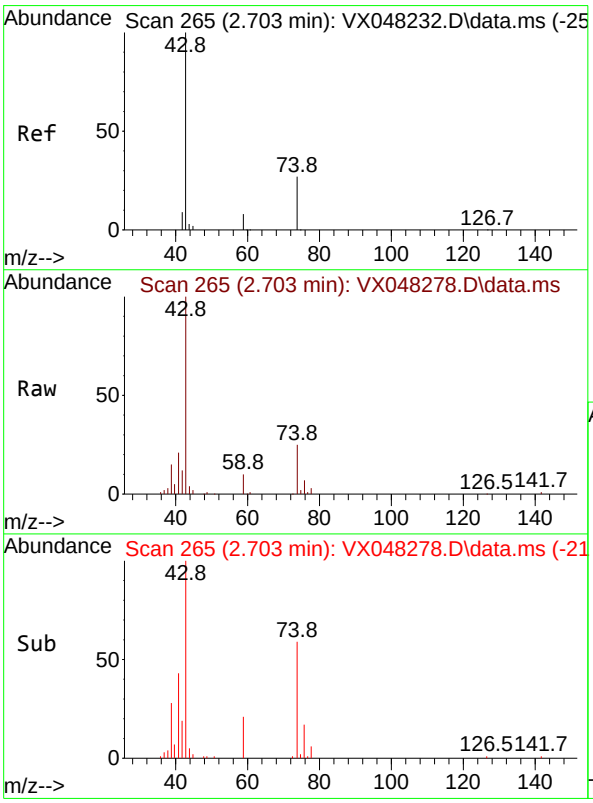

#17
Carbon Disulfide
Concen: 41.561 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 151626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.4 | 7.1 | 10.7 |

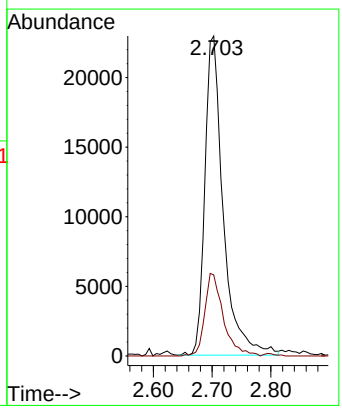


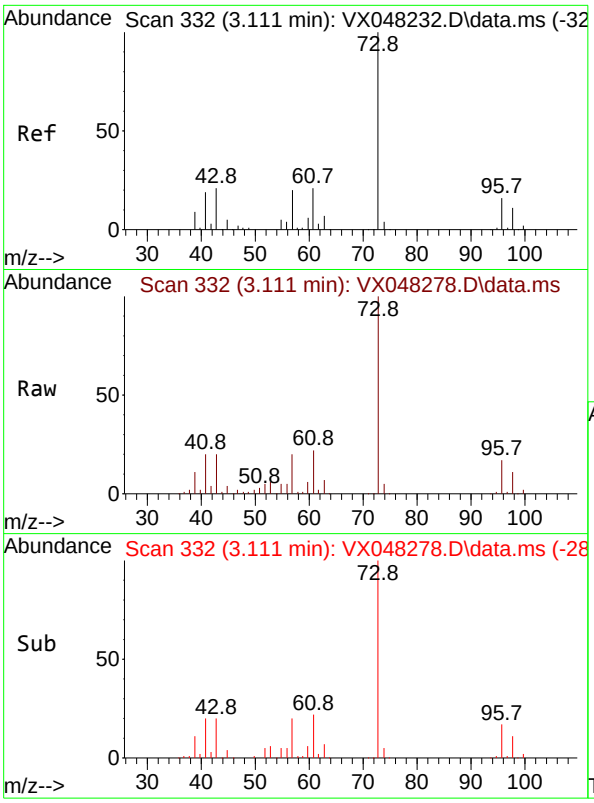




#18
Methyl Acetate
Concen: 44.941 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 43 Resp: 49775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 26.1 | 17.5 | 26.3 |



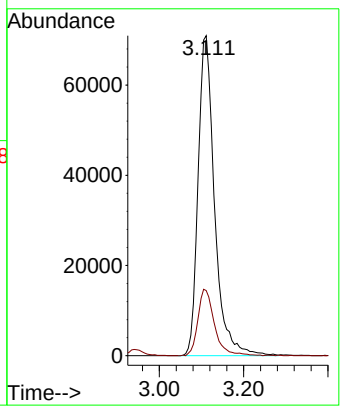


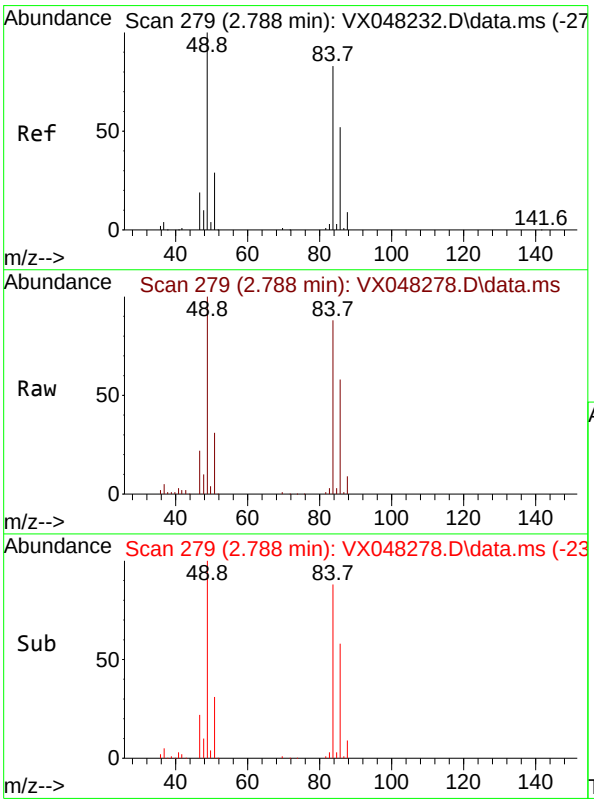

#19
Methyl tert-butyl Ether
Concen: 48.837 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 192863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.3 | 17.7 | 26.5 |

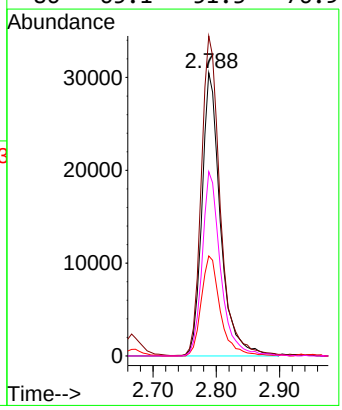


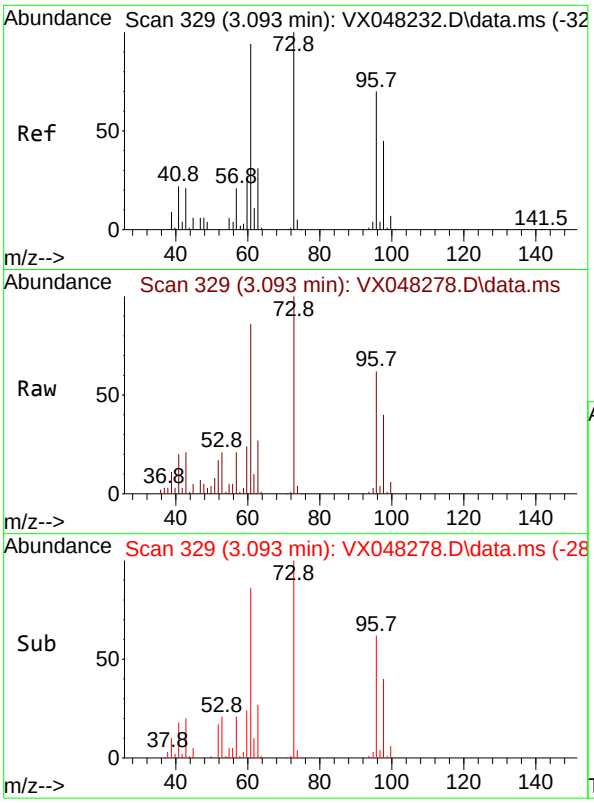




#20
Methylene Chloride
Concen: 48.124 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 84 Resp: 62187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 112.8 | 104.1 | 156.1 |
| 51 | 35.3 | 31.3 | 46.9 |
| 86 | 65.1 | 51.3 | 76.9 |



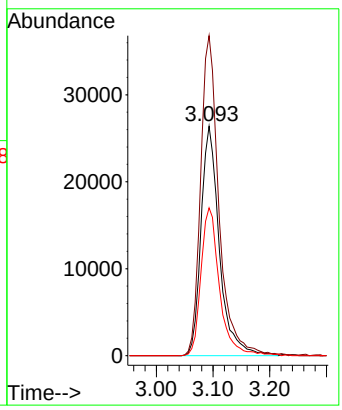


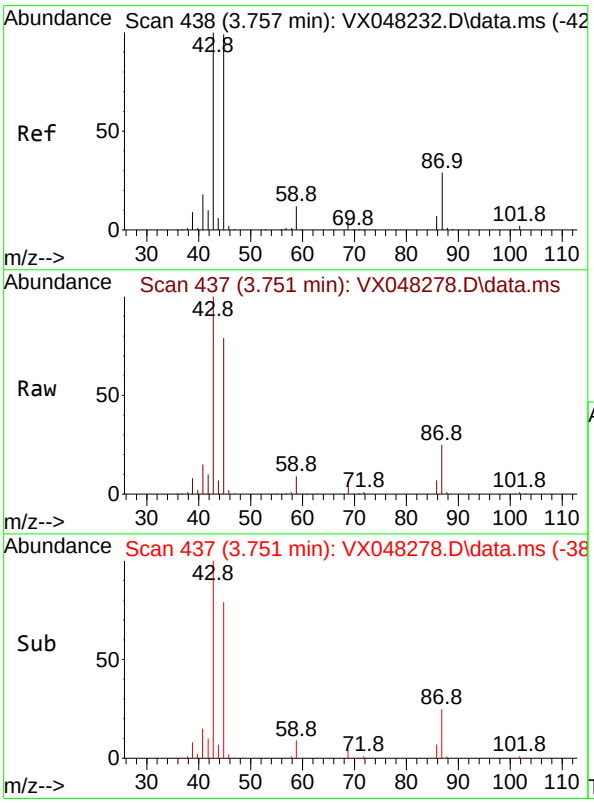

#21
trans-1,2-Dichloroethene
Concen: 46.571 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 59217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.4 | 111.9 | 167.9 |
| 98 | 64.4 | 51.2 | 76.8 |

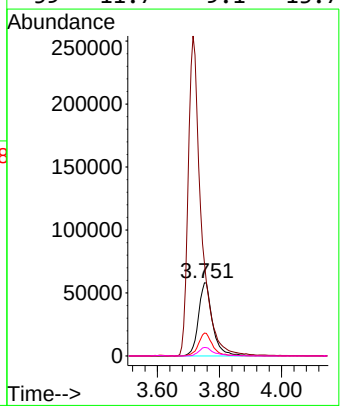


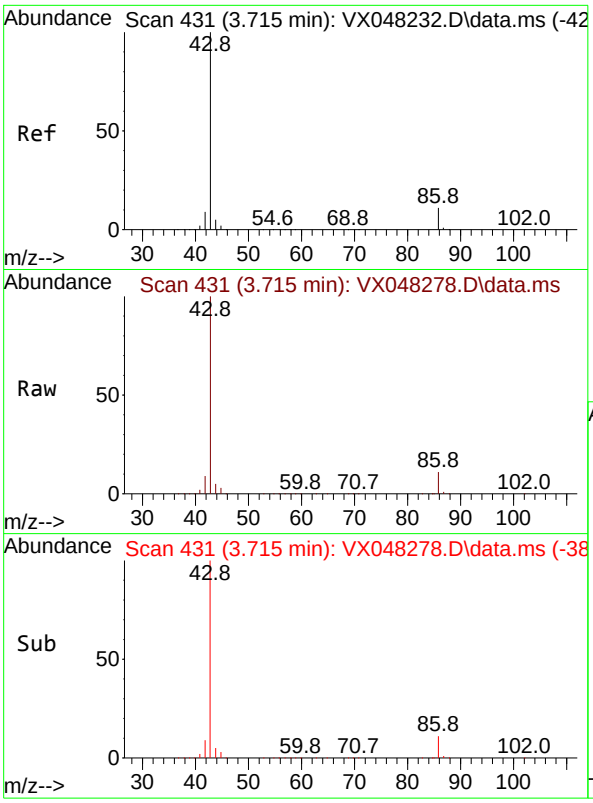




#22
Diisopropyl ether
Concen: 47.827 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 45 Resp: 183332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 126.5 | 89.8 | 134.8 |
| 87 | 31.3 | 20.6 | 31.0# |
| 59 | 11.7 | 9.1 | 13.7 |



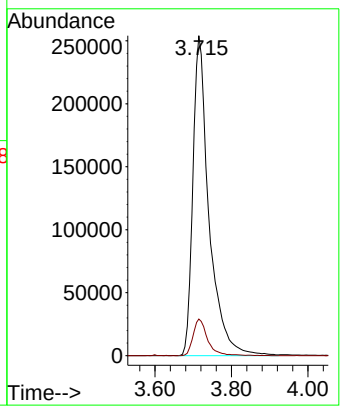


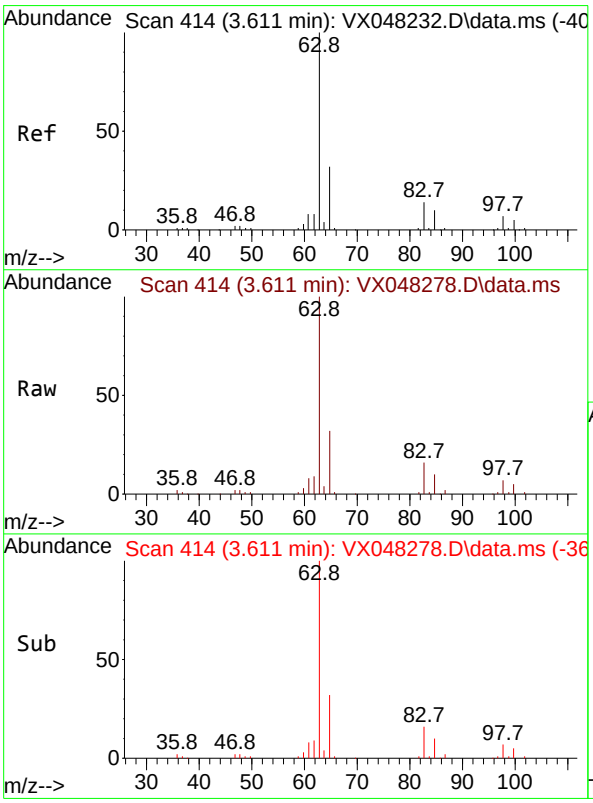

#23
Vinyl Acetate
Concen: 242.501 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 742546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.5 | 7.9 | 11.9 |

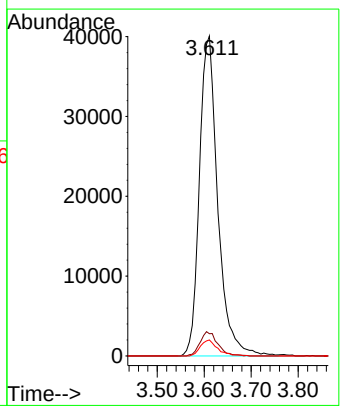


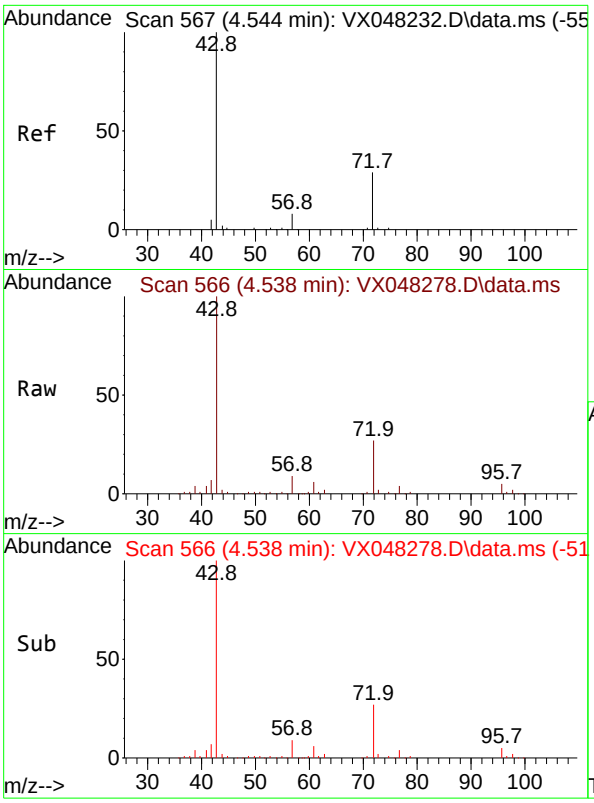




#24
1,1-Dichloroethane
Concen: 46.973 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 63 Resp: 108877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.5 | 10.6 |
| 100 | 5.0 | 2.1 | 6.3 |



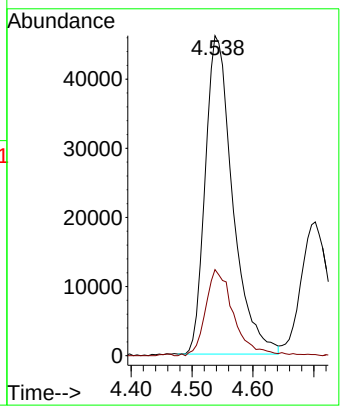


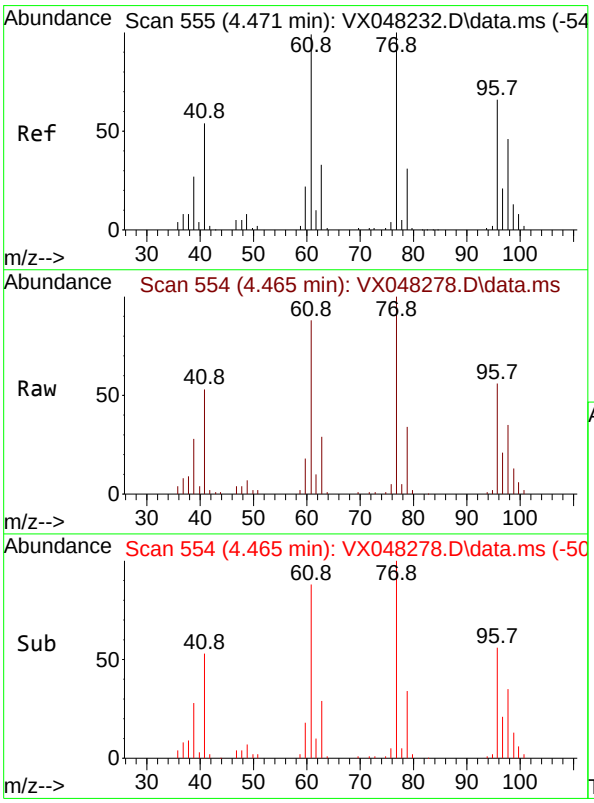

#25
2-Butanone
Concen: 215.374 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 144575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.0 | 19.9 | 29.9 |

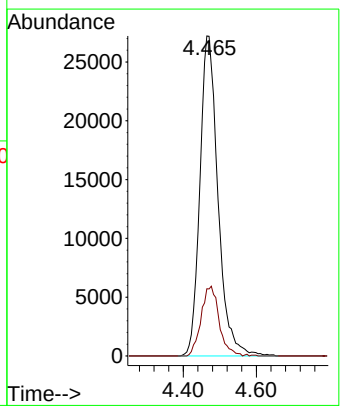


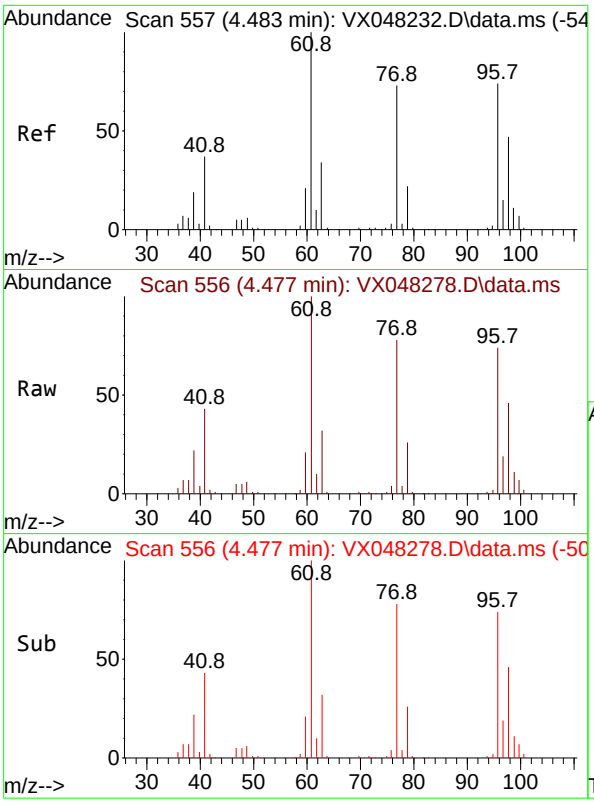




#26
2,2-Dichloropropane
Concen: 44.766 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 77 Resp: 93655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.6 | 11.1 | 33.3 |



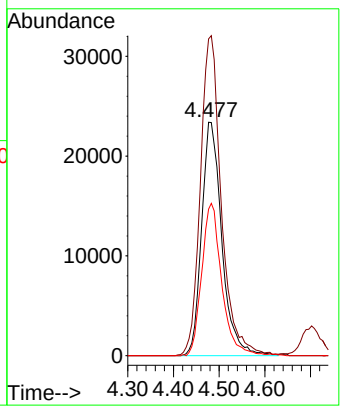


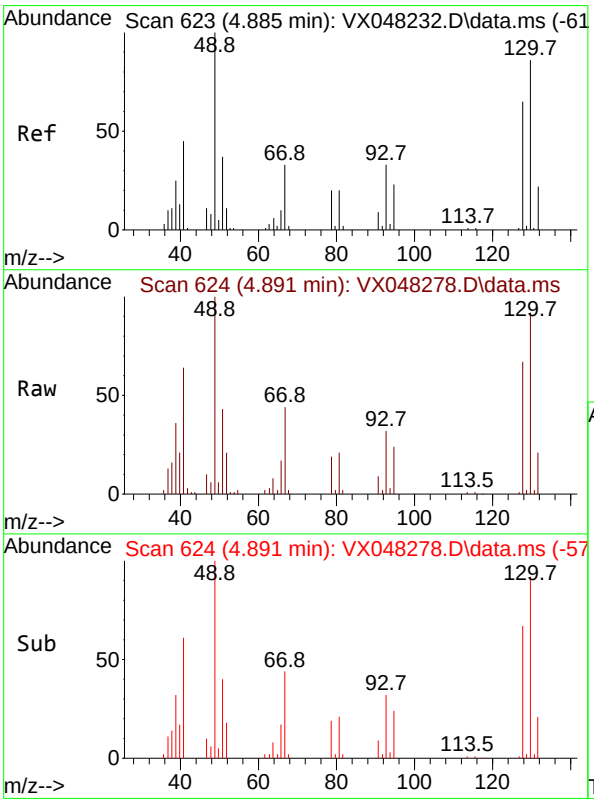

#27
cis-1,2-Dichloroethene
Concen: 48.458 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 71911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.9 | 0.0 | 294.2 |
| 98 | 64.3 | 0.0 | 128.4 |

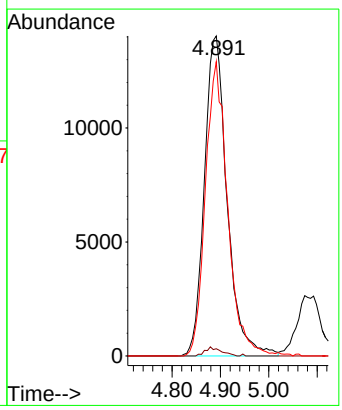


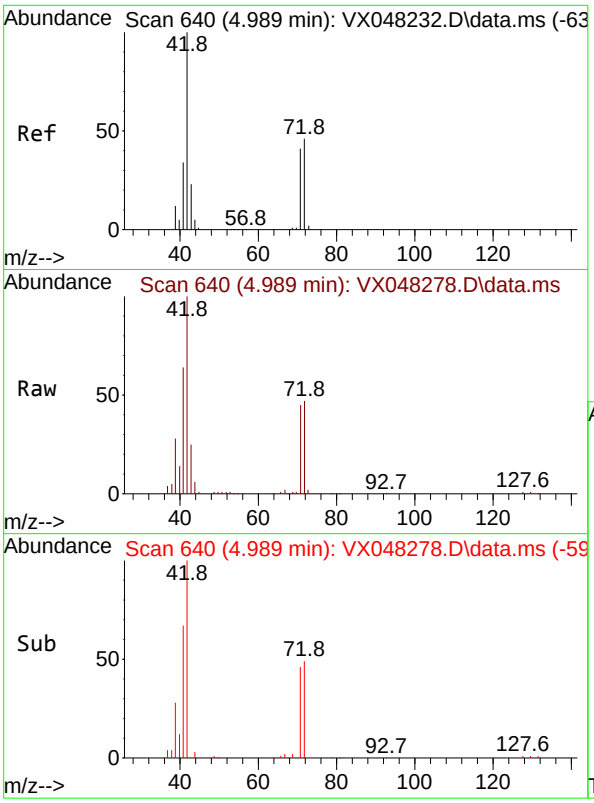




#28
Bromochloromethane
Concen: 47.680 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 49 Resp: 45824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.4 |
| 130 | 90.3 | 59.3 | 88.9# |



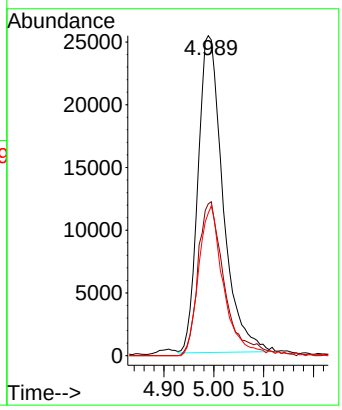


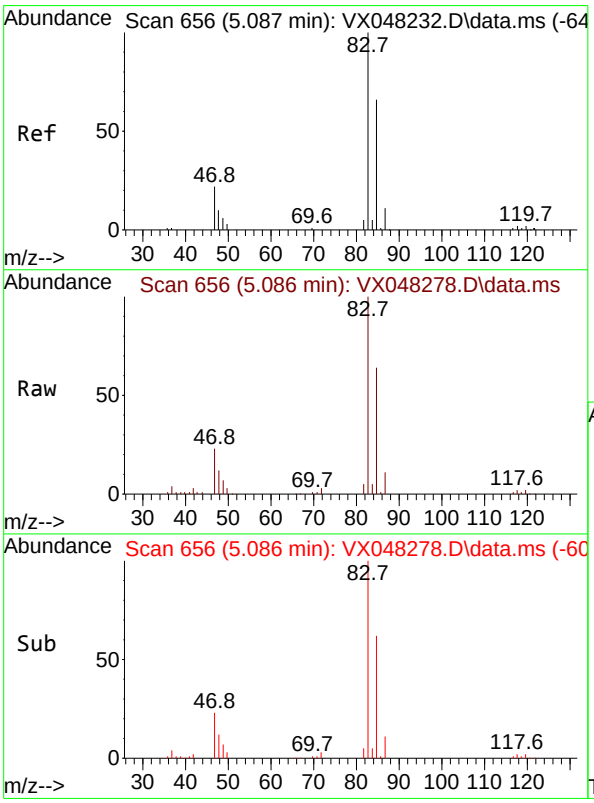

#29
Tetrahydrofuran
Concen: 218.490 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 87839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 51.8 | 35.3 | 52.9 |
| 71 | 46.7 | 32.2 | 48.4 |

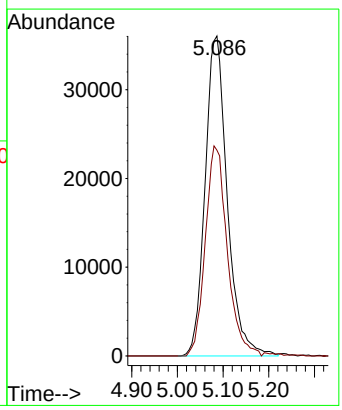


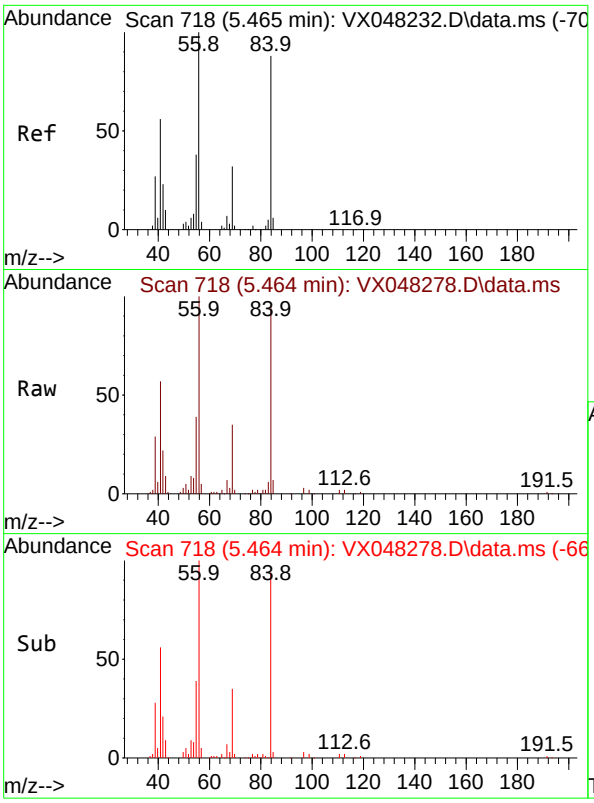




#30
Chloroform
Concen: 49.137 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 83 Resp: 121680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 50.1 | 75.1 |



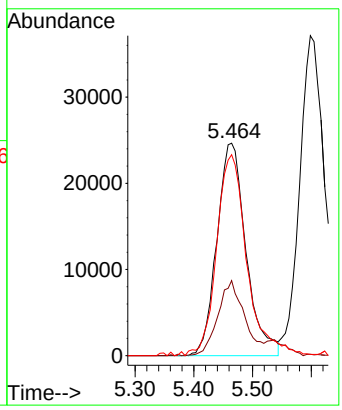


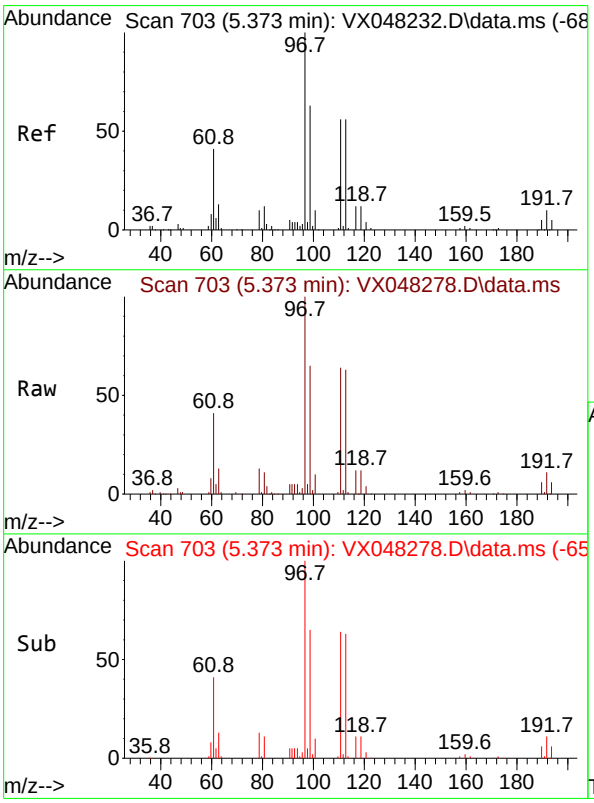

#31
Cyclohexane
Concen: 44.238 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 84891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 34.7 | 23.0 | 34.6# |
| 84 | 94.2 | 64.6 | 97.0 |

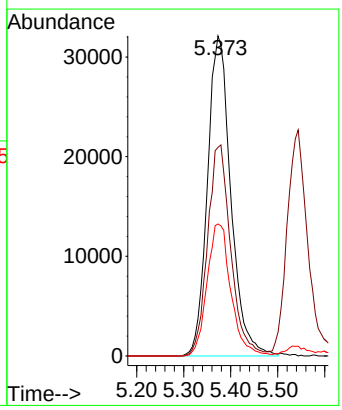


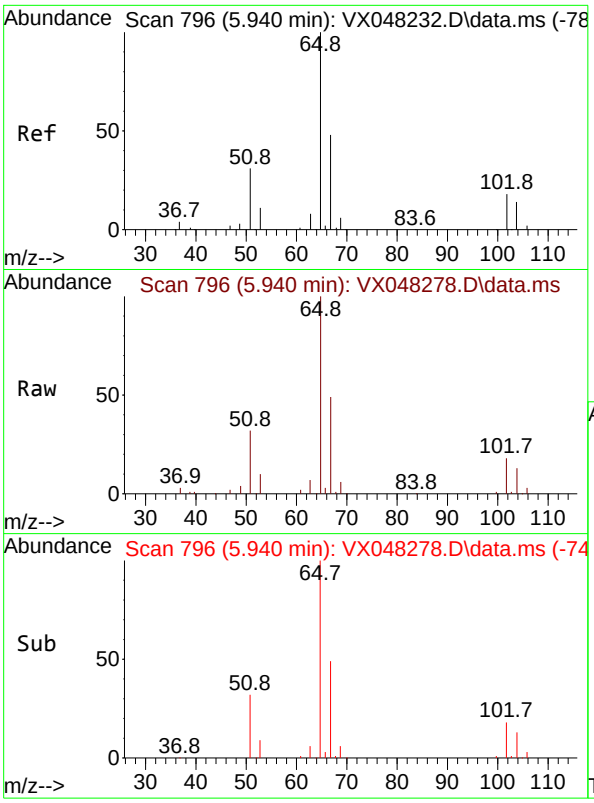




#32
1,1,1-Trichloroethane
Concen: 48.747 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 97 Resp: 111254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.4 | 51.7 | 77.5 |
| 61 | 41.9 | 34.8 | 52.2 |



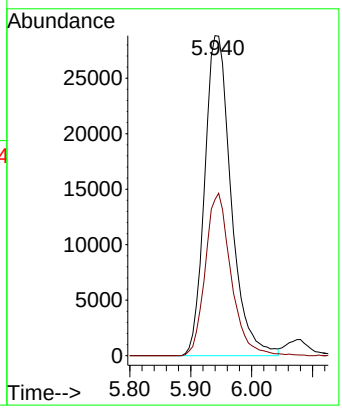


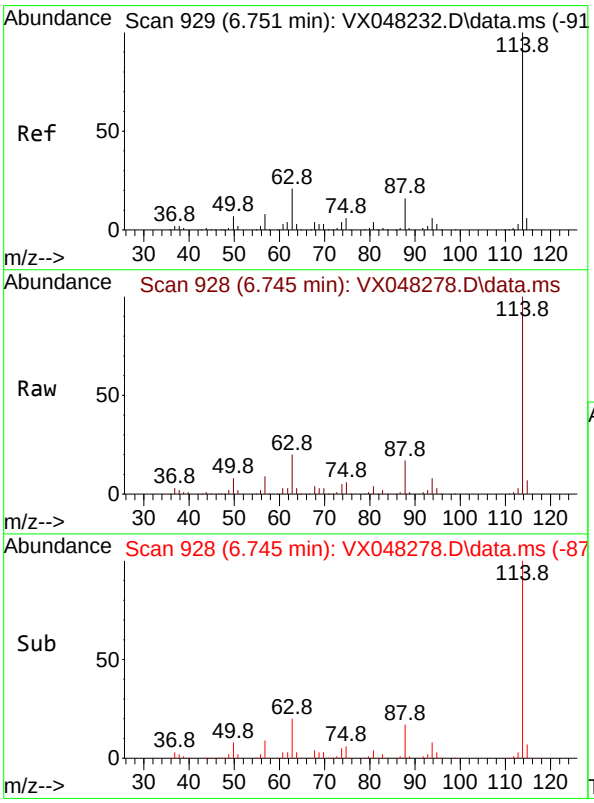

#33
1,2-Dichloroethane-d4
Concen: 56.153 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 86809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.6 | 0.0 | 105.0 |

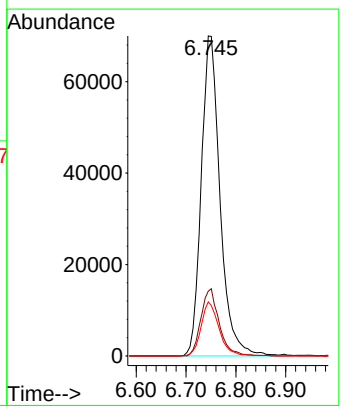


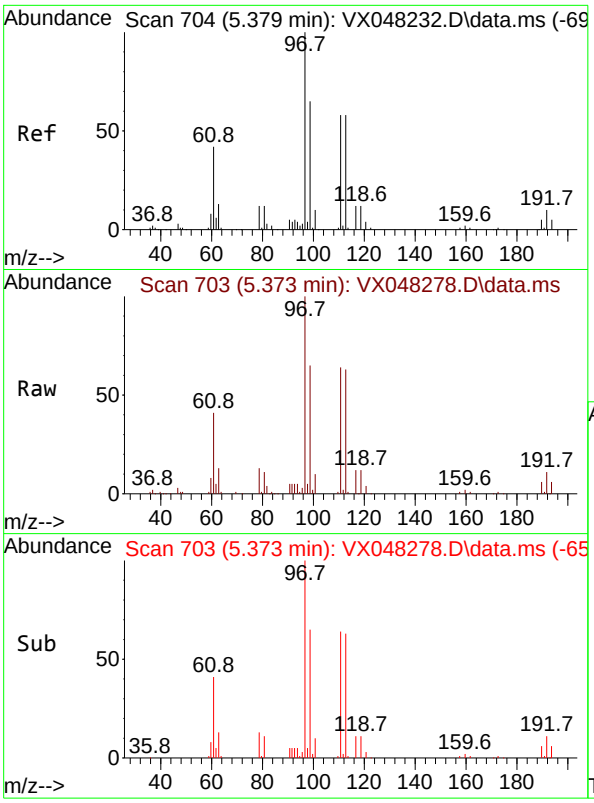




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:114 Resp: 183155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 43.2 |
| 88 | 16.9 | 0.0 | 33.6 |



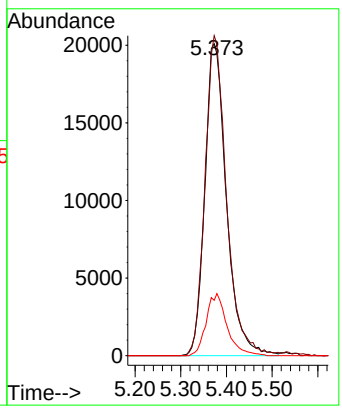


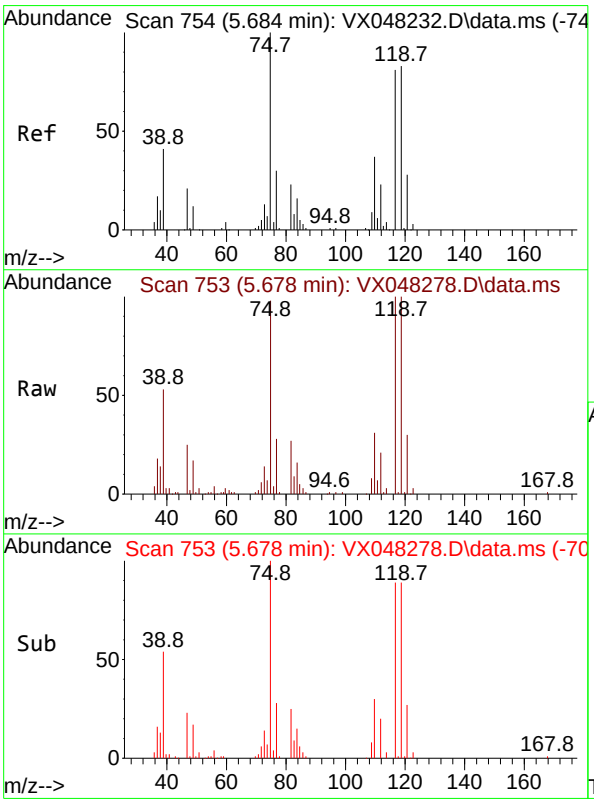

#35
Dibromofluoromethane
Concen: 52.800 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 66021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 82.2 | 123.4 |
| 192 | 19.3 | 15.1 | 22.7 |

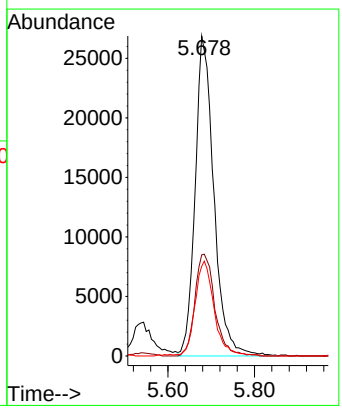


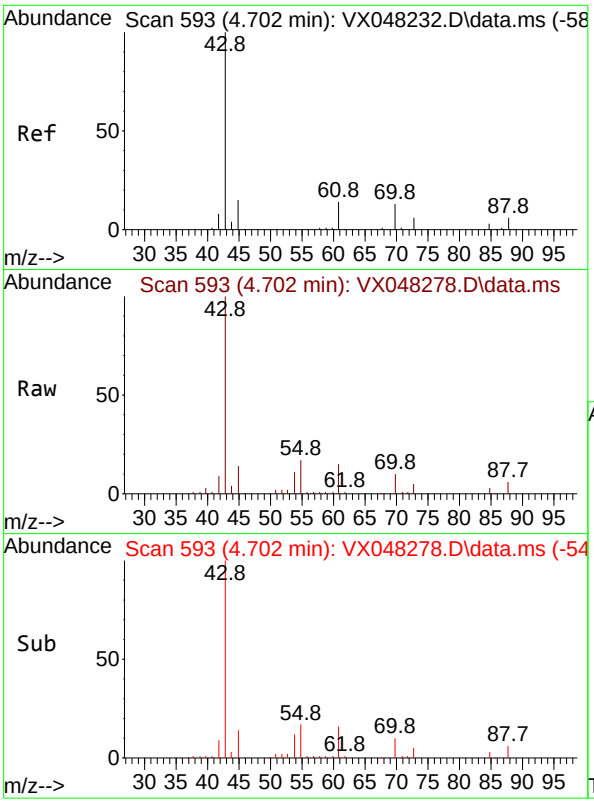




#36
1,1-Dichloropropene
Concen: 45.371 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 75 Resp: 80634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 17.7 | 53.1 |
| 77 | 30.2 | 24.3 | 36.5 |



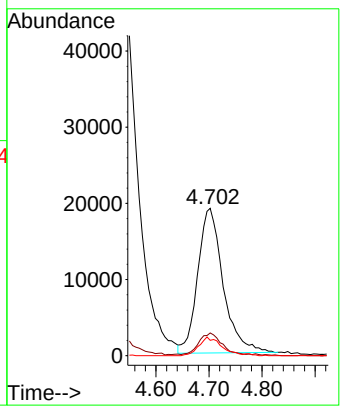


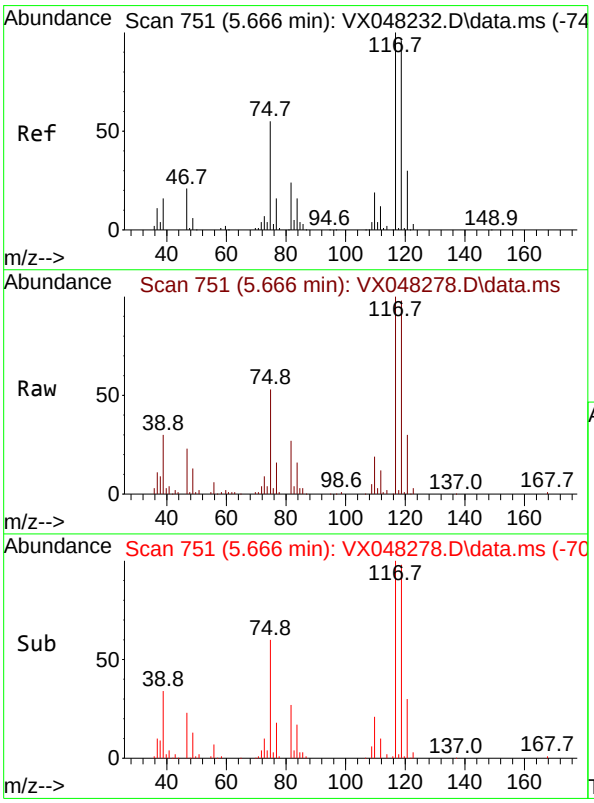

#37
Ethyl Acetate
Concen: 42.851 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 63123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.1 | 10.6 | 15.8 |
| 70 | 11.2 | 7.8 | 11.6 |

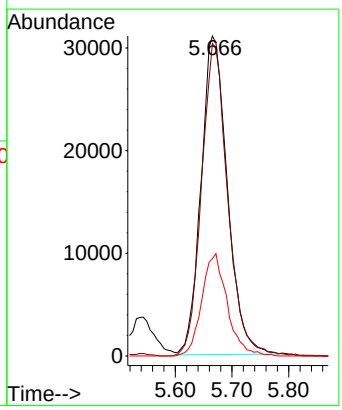


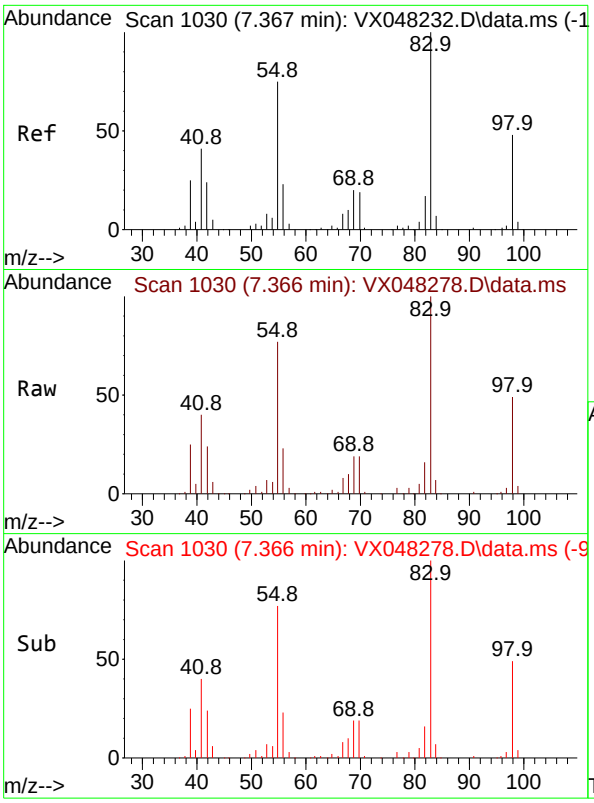




#38
Carbon Tetrachloride
Concen: 45.671 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:117 Resp: 100140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.6 | 77.2 | 115.8 |
| 121 | 30.6 | 24.8 | 37.2 |



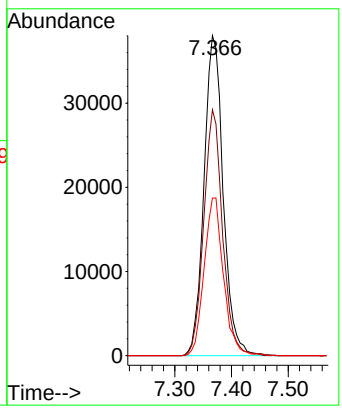


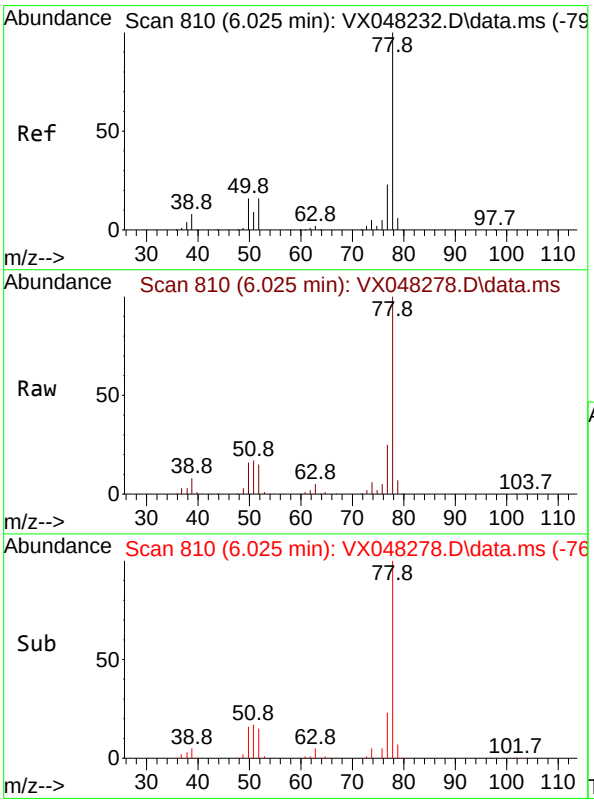

#39
Methylcyclohexane
Concen: 42.670 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 89560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.8 | 66.2 | 99.2 |
| 98 | 49.2 | 38.9 | 58.3 |

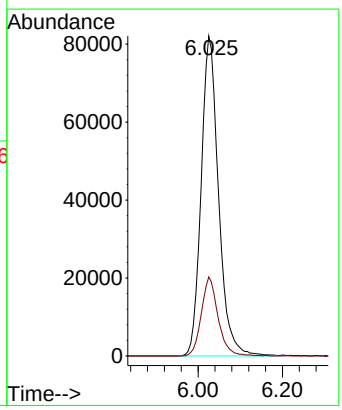


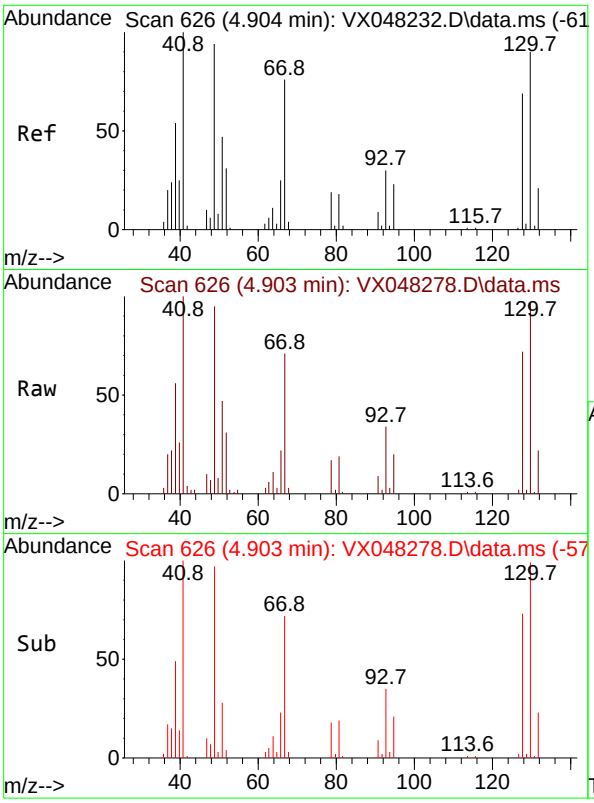




#40
Benzene
Concen: 45.621 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 78 Resp: 235395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.7 | 19.3 | 28.9 |



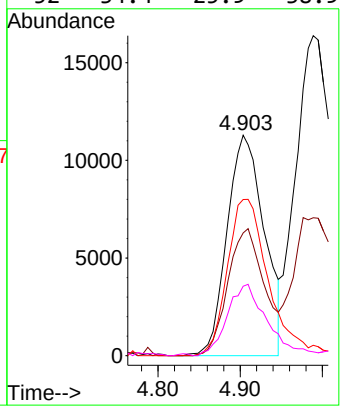


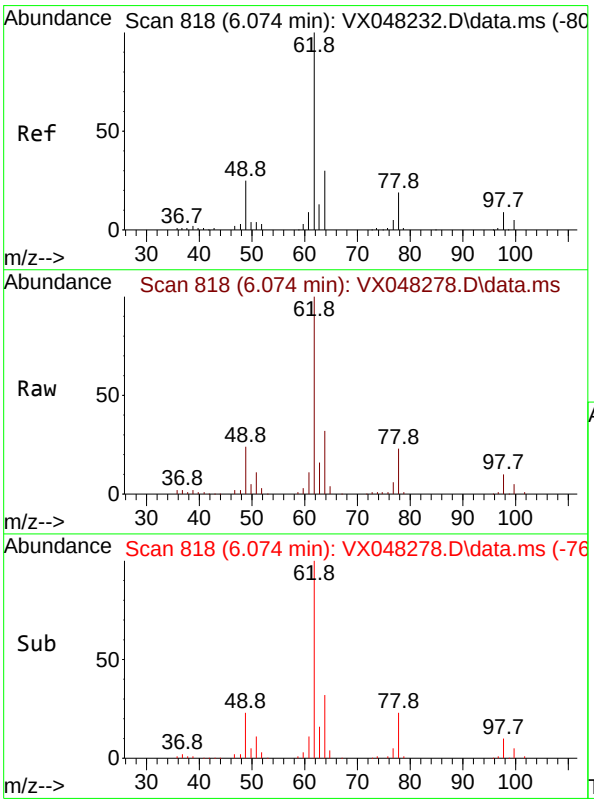

#41
Methacrylonitrile
Concen: 45.945 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 35543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.4 | 44.0 | 66.0 |
| 67 | 78.6 | 58.7 | 88.1 |
| 52 | 34.4 | 25.9 | 38.9 |

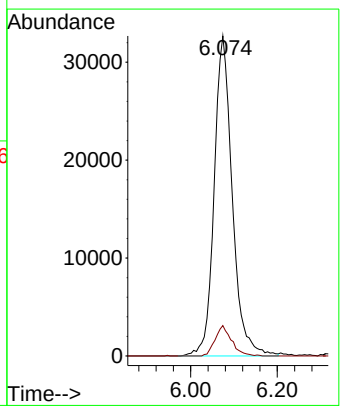


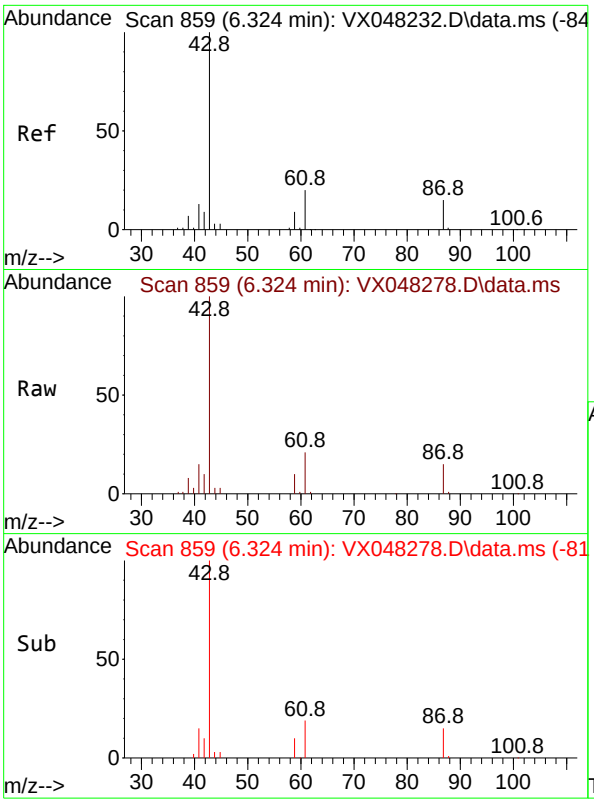




#42
1,2-Dichloroethane
Concen: 49.906 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 62 Resp: 95021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 17.2 |



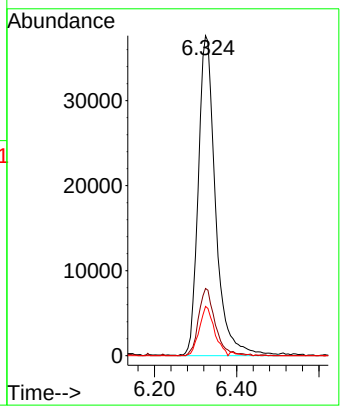


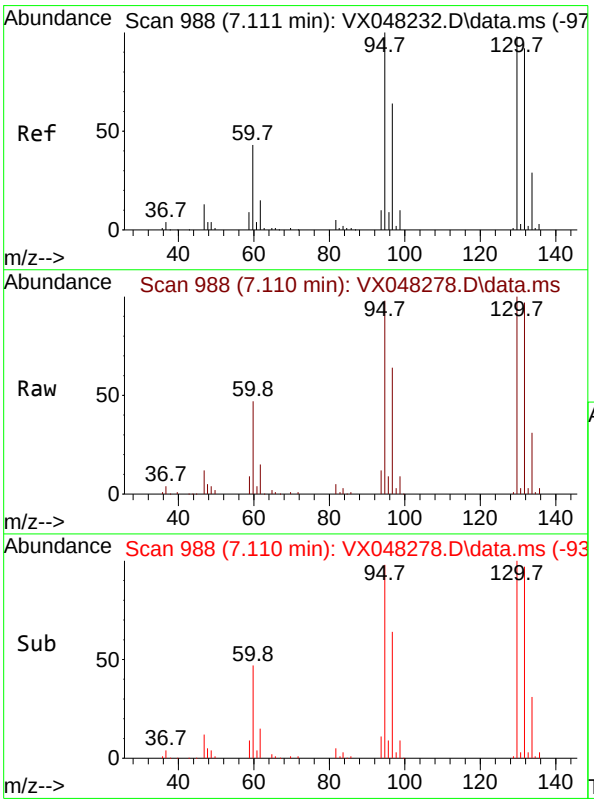

#43
Isopropyl Acetate
Concen: 45.374 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 109791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.3 | 14.9 | 22.3 |
| 87 | 13.4 | 9.4 | 14.2 |

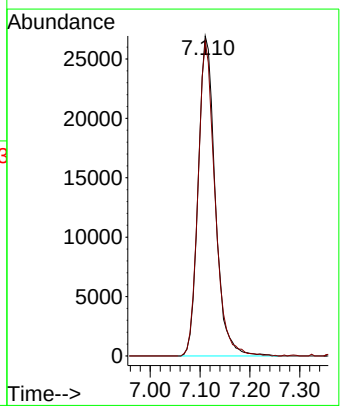


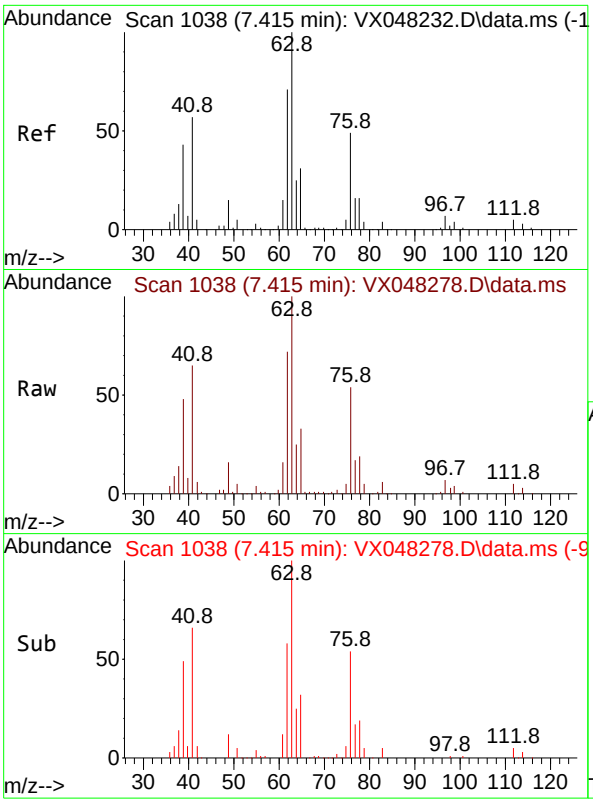




#44
Trichloroethene
Concen: 46.735 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:130 Resp: 63675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 107.0 | 0.0 | 200.6 |



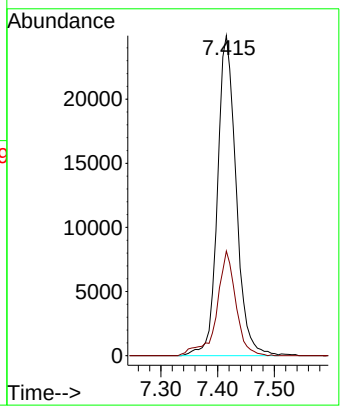


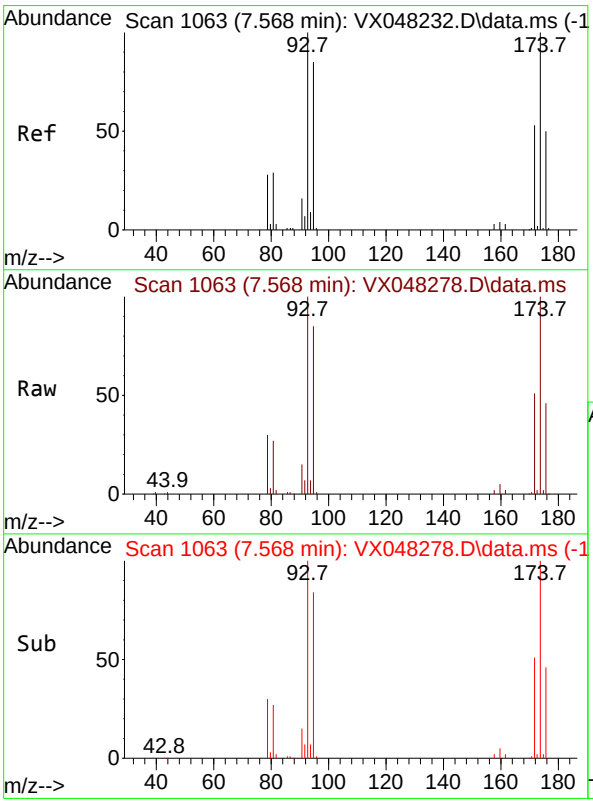

#45
1,2-Dichloropropane
Concen: 46.474 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 57013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.7 | 24.1 | 36.1 |

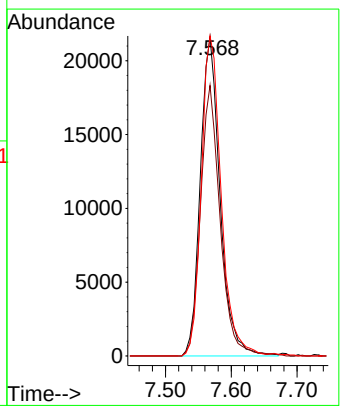


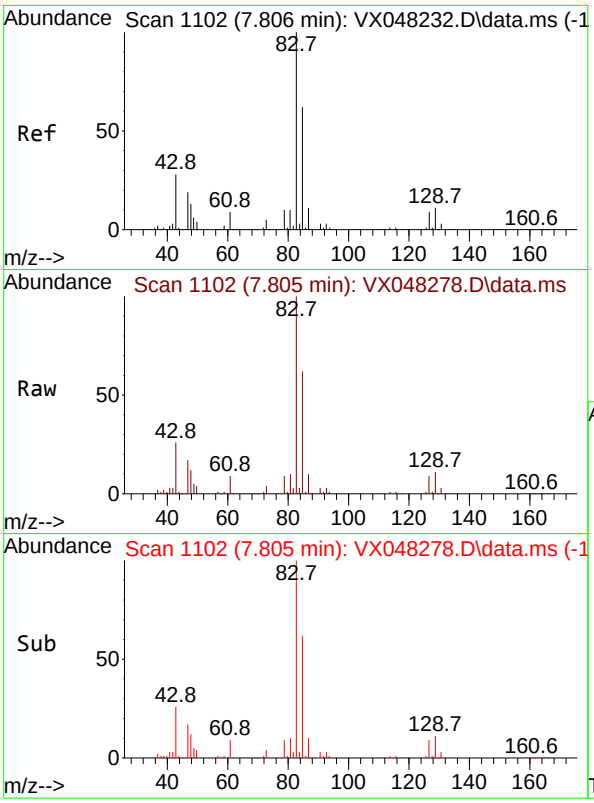




#46
Dibromomethane
Concen: 47.155 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 93 Resp: 45069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.5 | 65.9 | 98.9 |
| 174 | 101.0 | 71.7 | 107.5 |



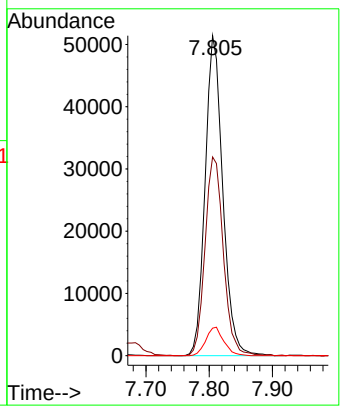


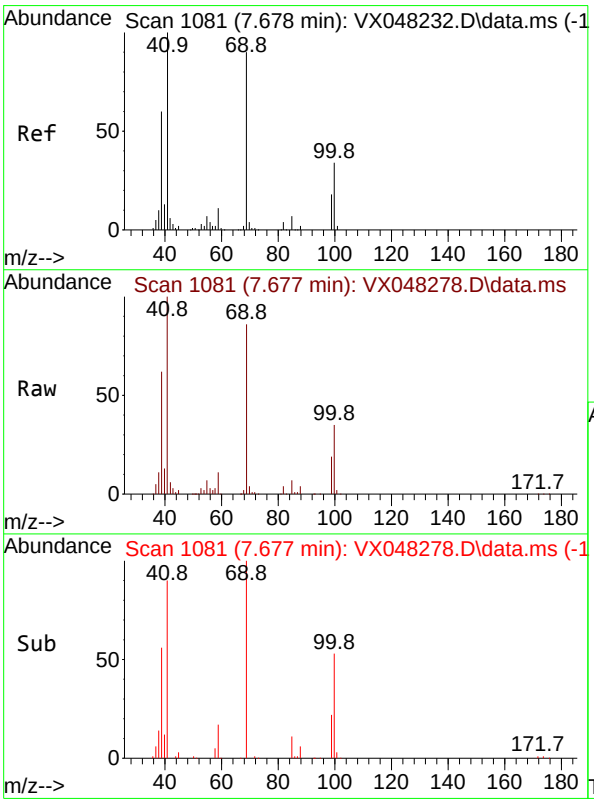

#47
Bromodichloromethane
Concen: 48.404 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 99888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.1 | 52.2 | 78.4 |
| 127 | 8.6 | 7.3 | 10.9 |

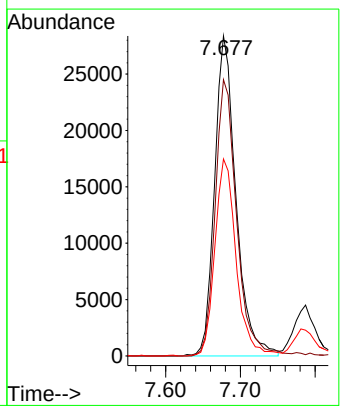


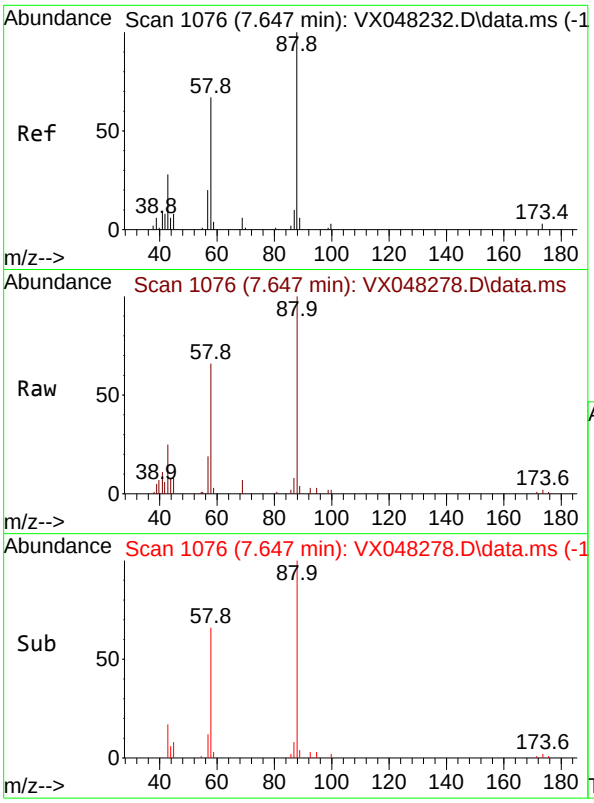




#48
Methyl methacrylate
Concen: 46.243 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 41 Resp: 56463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.7 | 63.4 | 95.0 |
| 39 | 61.4 | 47.1 | 70.7 |



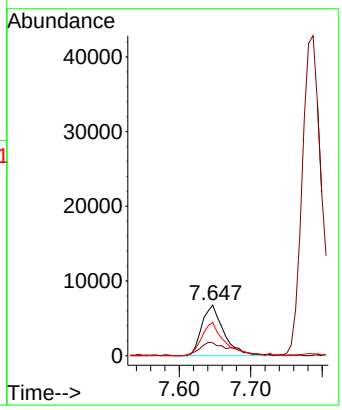


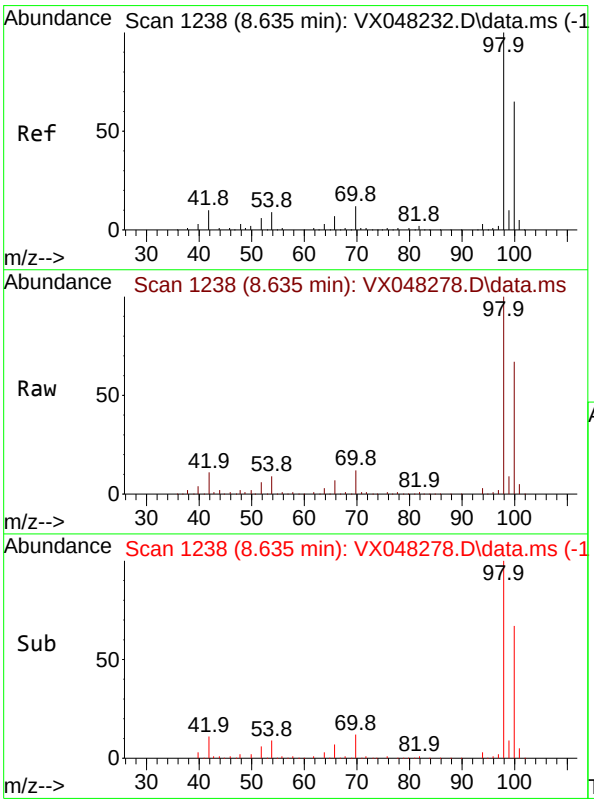

#49
1,4-Dioxane
Concen: 901.119 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 14536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.8 | 35.0 | 52.4 |
| 58 | 66.5 | 61.9 | 92.9 |

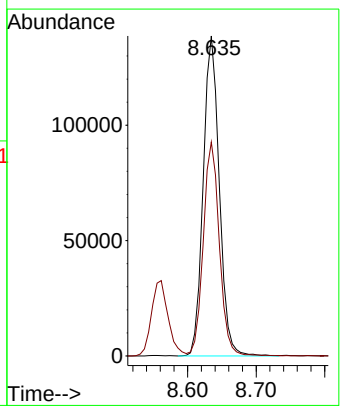


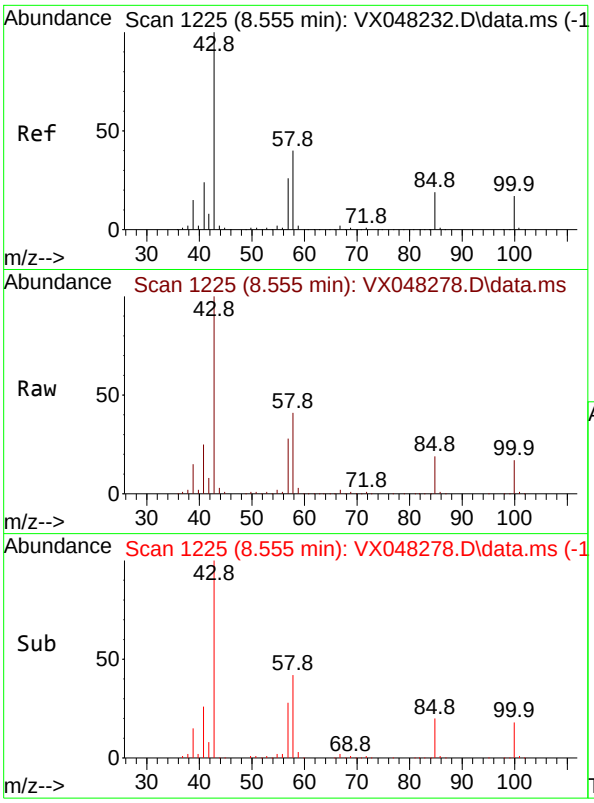




#50
Toluene-d8
Concen: 51.716 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 98 Resp: 226656

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



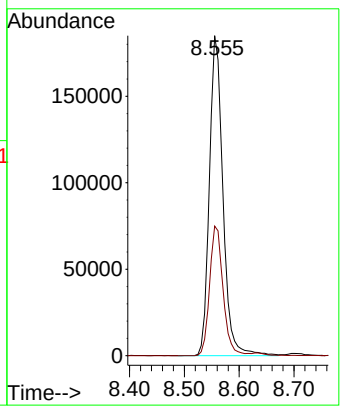


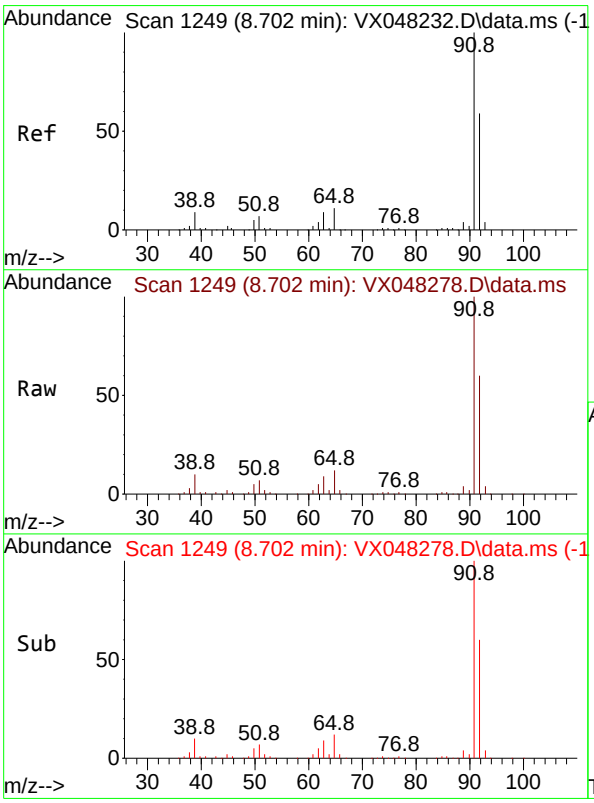

#51
4-Methyl-2-Pentanone
Concen: 227.242 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 317029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.4 | 29.5 | 44.3 |

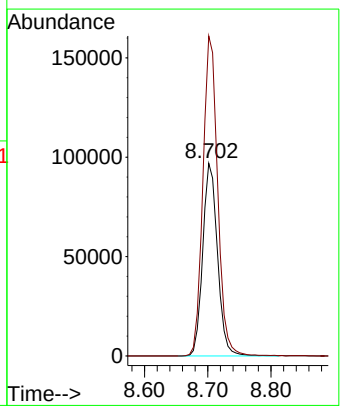


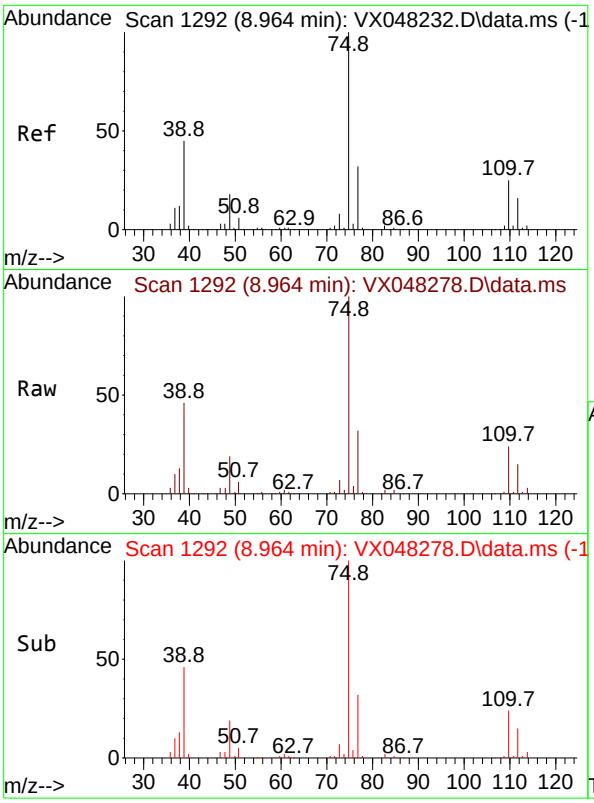




#52
Toluene
Concen: 48.031 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 92 Resp: 157443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 166.7 | 136.1 | 204.1 |



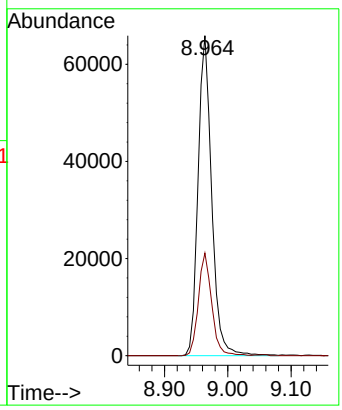


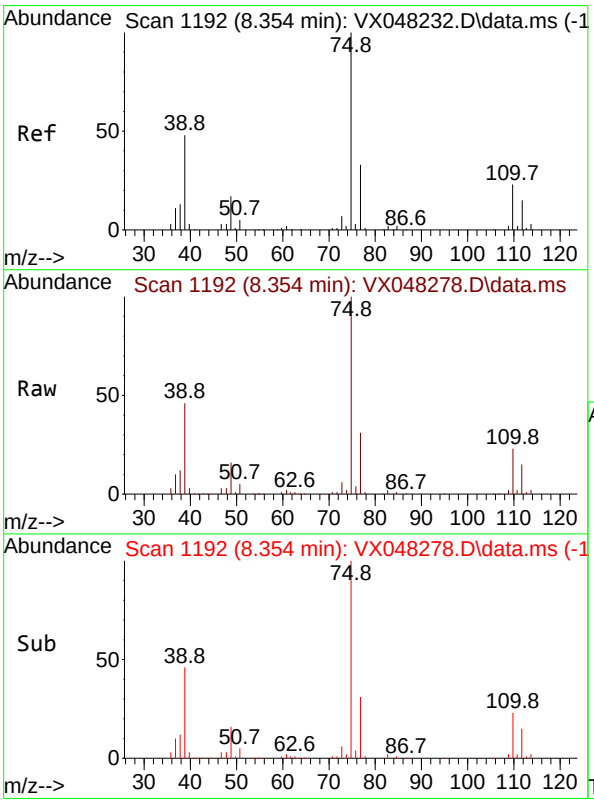

#53
t-1,3-Dichloropropene
Concen: 49.703 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 98842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 25.0 | 37.6 |

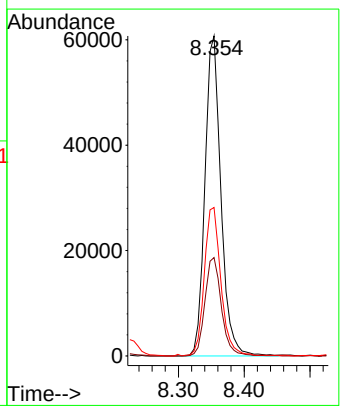


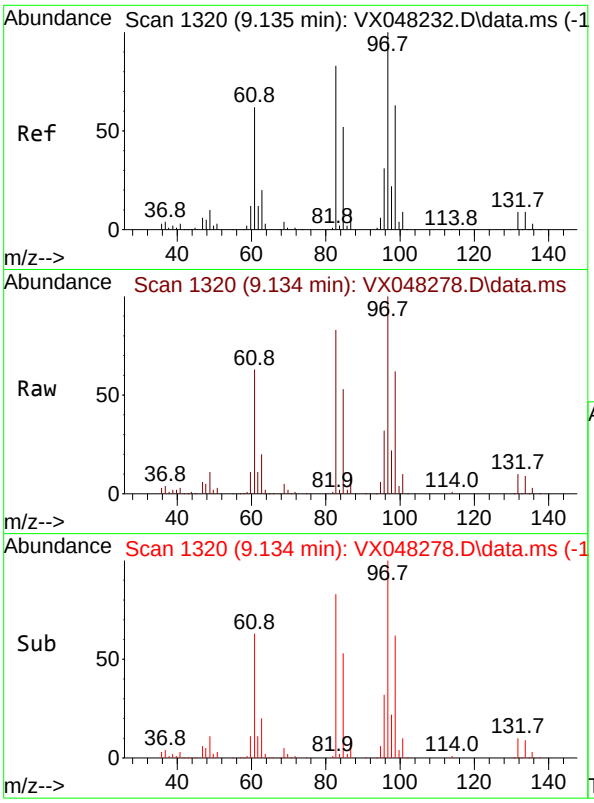




#54
cis-1,3-Dichloropropene
Concen: 47.929 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 75 Resp: 102835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.8 | 24.9 | 37.3 |
| 39 | 46.2 | 42.6 | 64.0 |



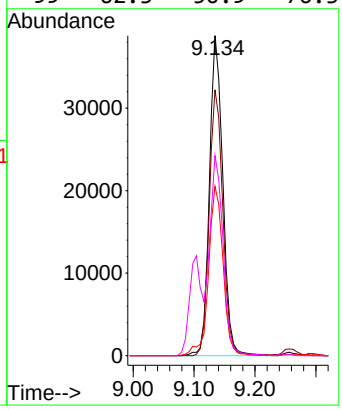


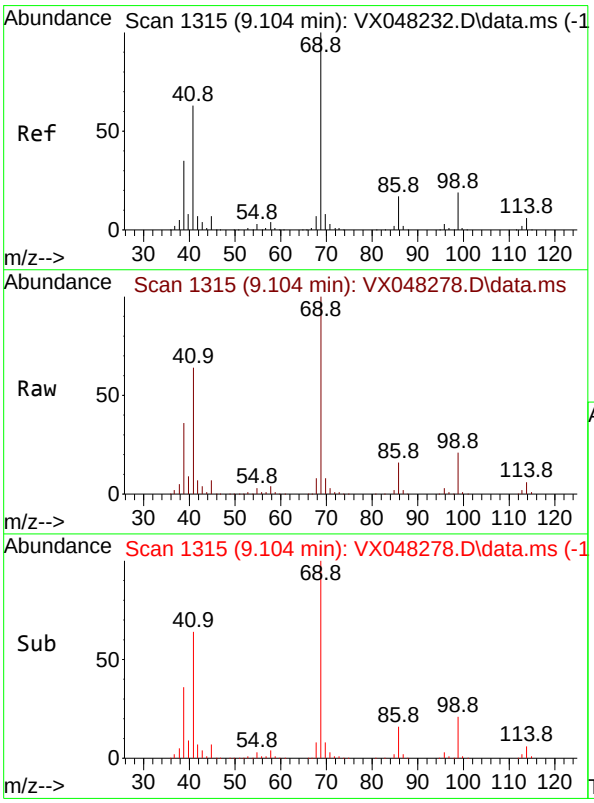

#55
1,1,2-Trichloroethane
Concen: 48.711 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 59379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.1 | 70.6 | 105.8 |
| 85 | 52.9 | 45.0 | 67.6 |
| 99 | 62.3 | 50.9 | 76.3 |

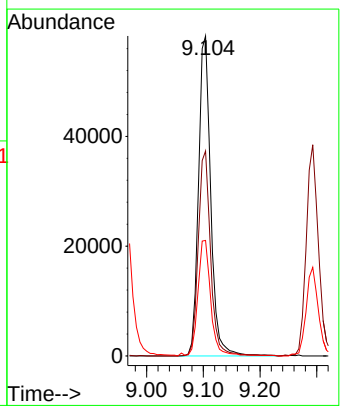


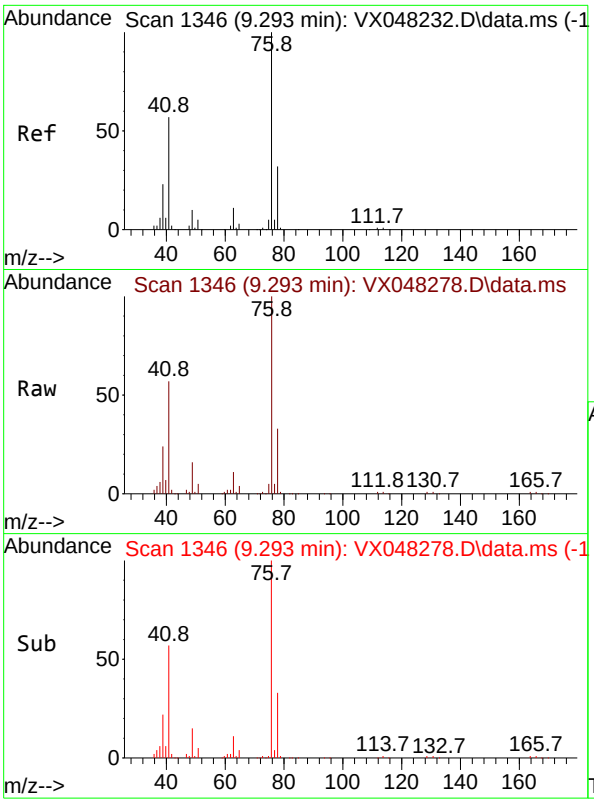




#56
Ethyl methacrylate
Concen: 49.025 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 69 Resp: 87411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.9 | 56.0 | 84.0 |
| 39 | 38.0 | 31.6 | 47.4 |



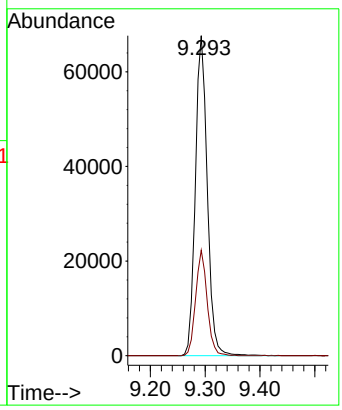


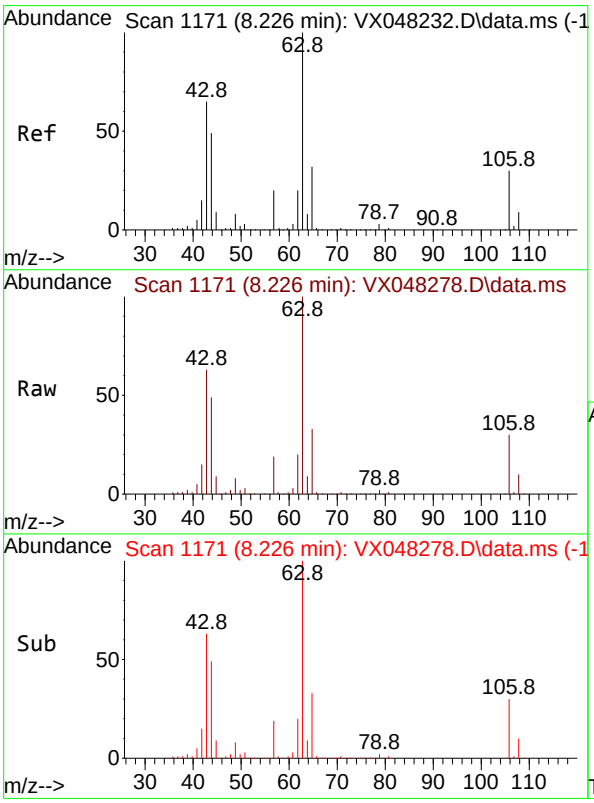

#57
1,3-Dichloropropane
Concen: 49.295 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 102643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.9 | 25.4 | 38.0 |

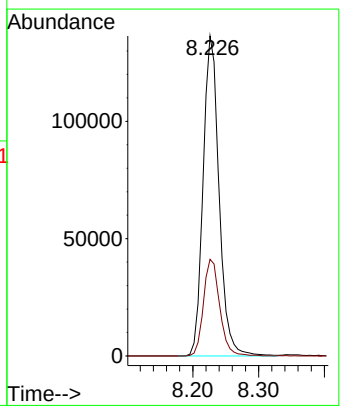


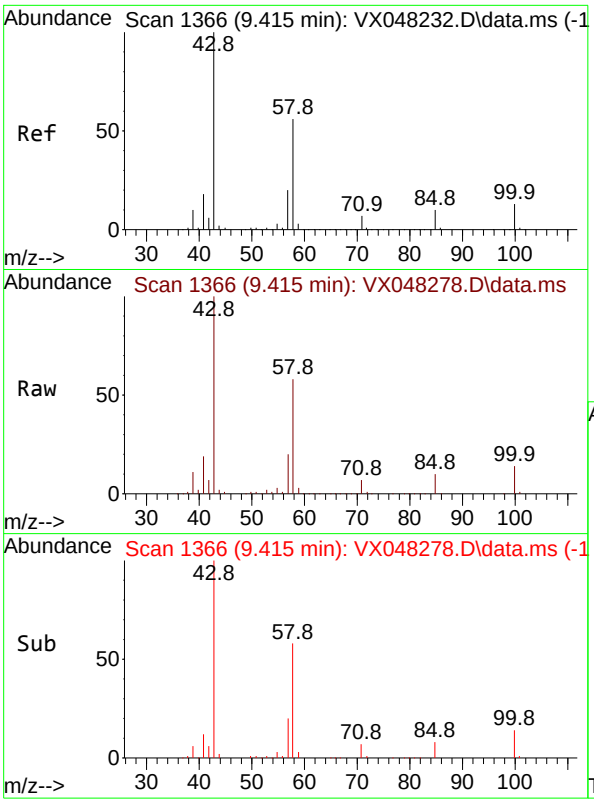




#58
2-Chloroethyl Vinyl ether
Concen: 240.651 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 63 Resp: 230656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.7 | 22.2 | 33.2 |



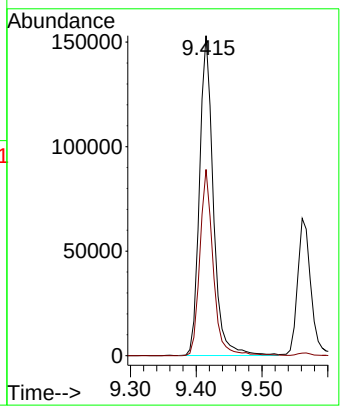


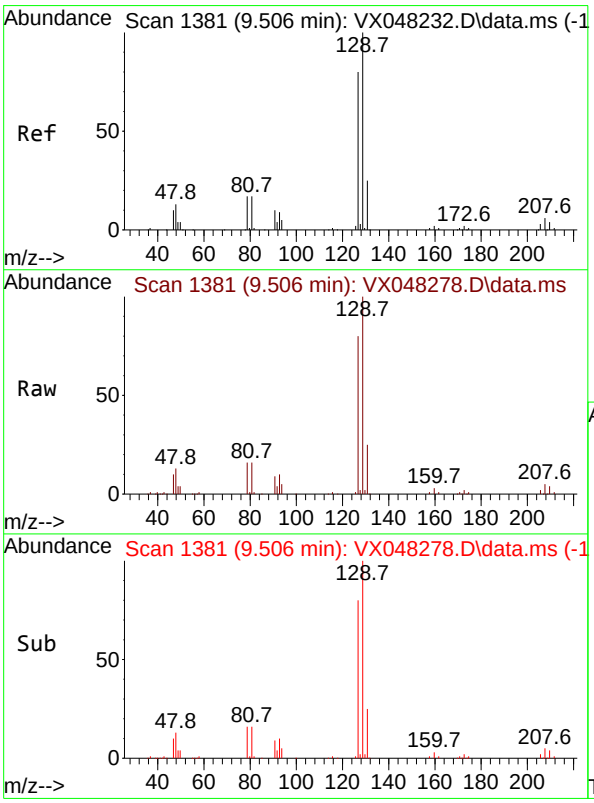

#59
2-Hexanone
Concen: 229.287 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 223051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.4 | 26.3 | 78.8 |

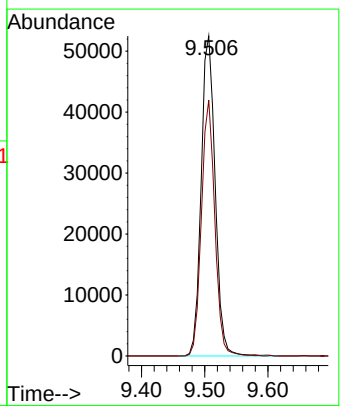


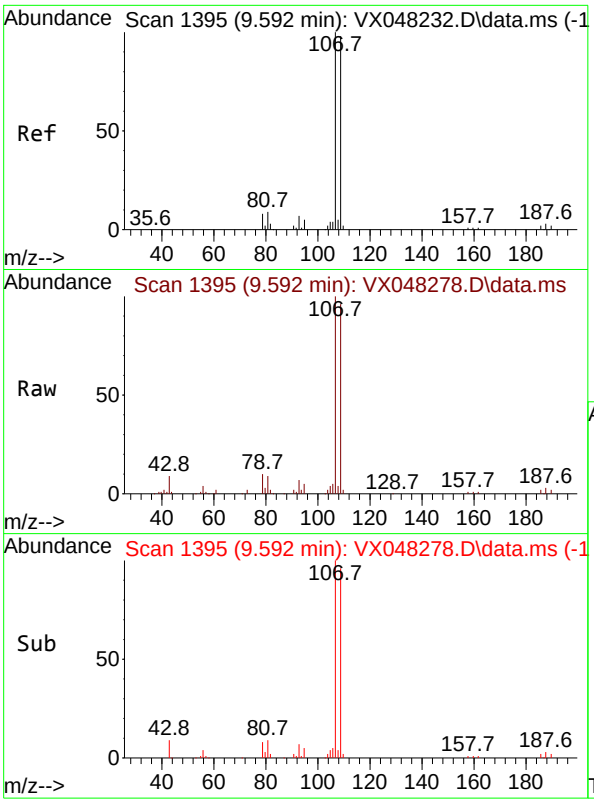




#60
Dibromochloromethane
Concen: 49.293 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:129 Resp: 80763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.6 | 38.6 | 115.7 |



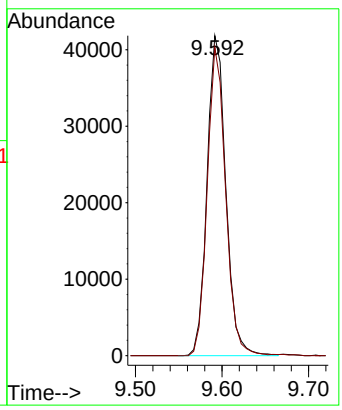


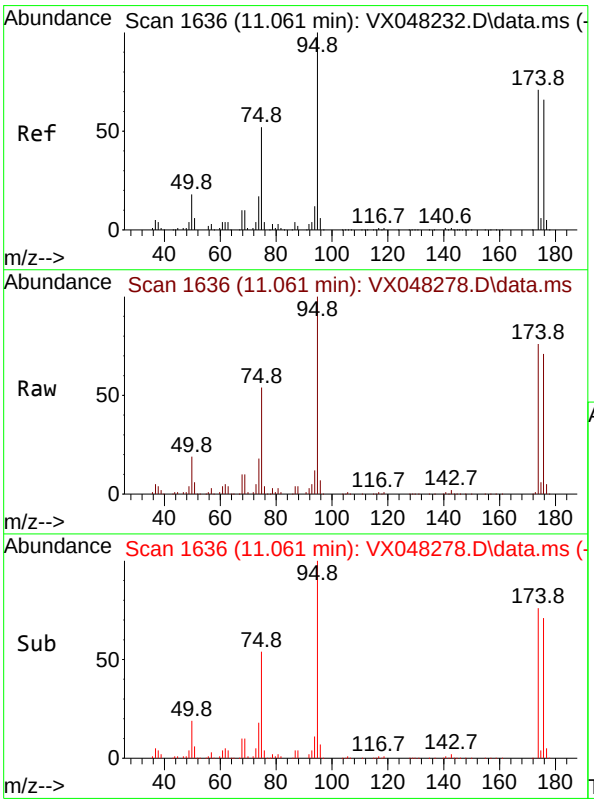

#61
1,2-Dibromoethane
Concen: 48.532 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 63070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.6 | 77.0 | 115.4 |

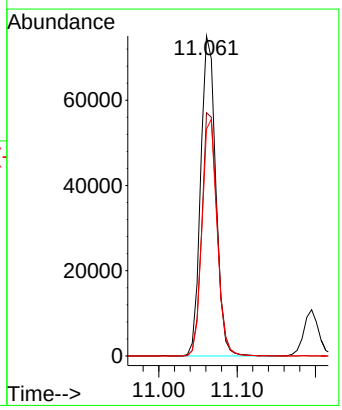


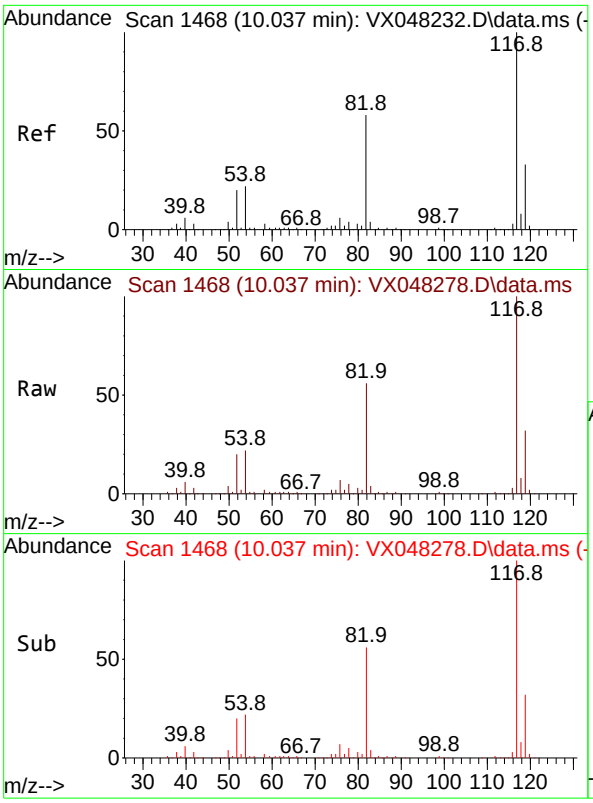




#62
4-Bromofluorobenzene
Concen: 60.121 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 95 Resp: 100241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.9 | 0.0 | 147.8 |
| 176 | 73.9 | 0.0 | 142.8 |



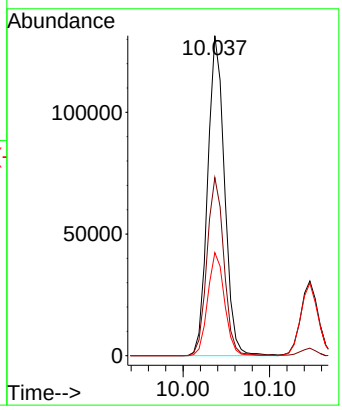


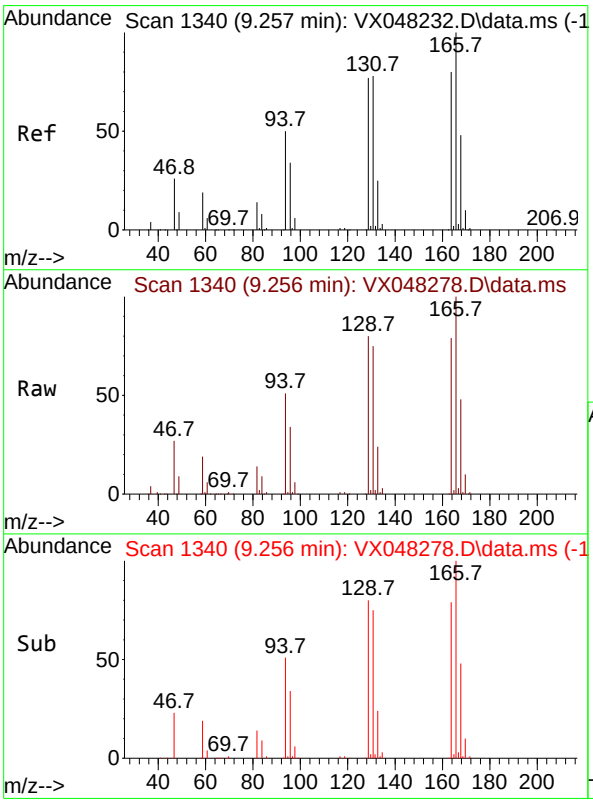

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 177679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.7 | 46.5 | 69.7 |
| 119 | 32.2 | 25.9 | 38.9 |

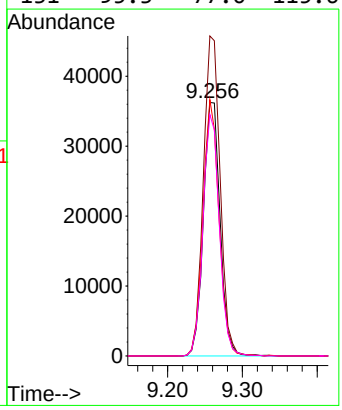


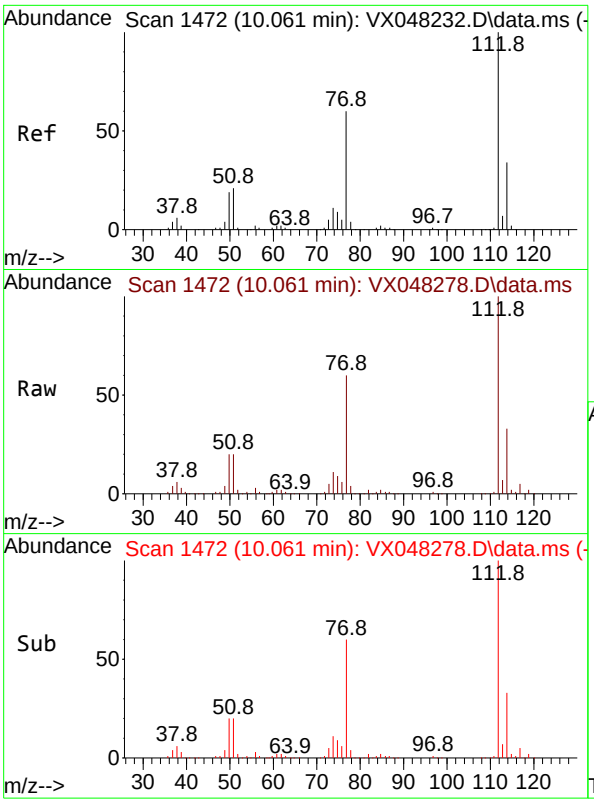




#64
Tetrachloroethene
Concen: 42.374 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:164 Resp: 56206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.2 | 104.5 | 156.7 |
| 129 | 101.1 | 81.8 | 122.6 |
| 131 | 95.3 | 77.0 | 115.6 |



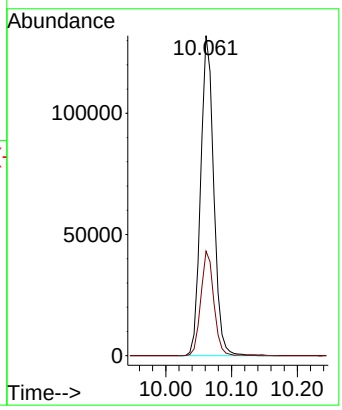


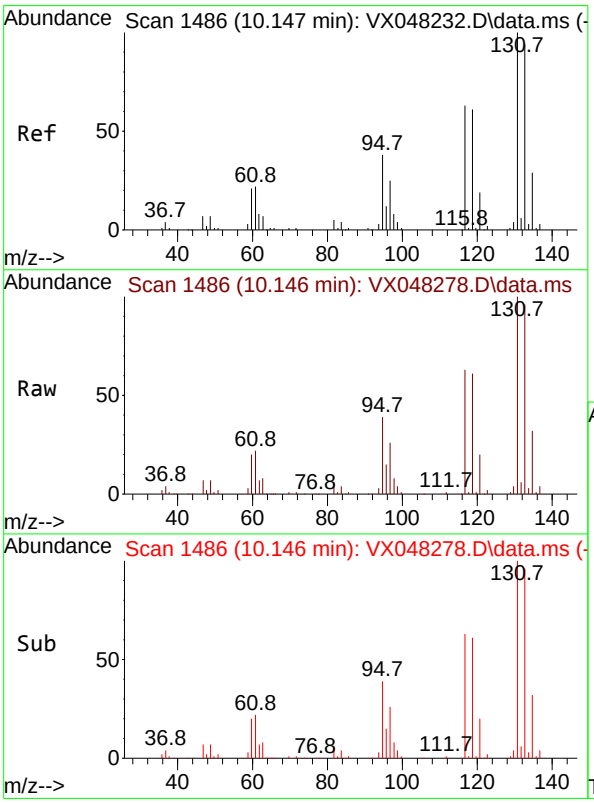

#65
Chlorobenzene
Concen: 45.637 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 182408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 26.2 | 39.2 |

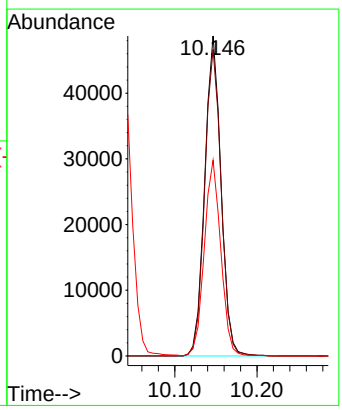


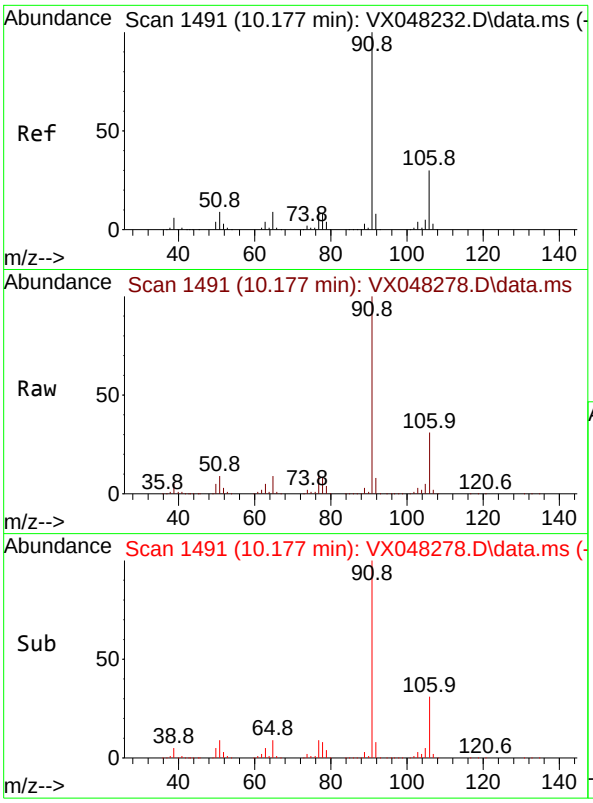




#66
1,1,1,2-Tetrachloroethane
Concen: 45.726 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:131 Resp: 67128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.7 | 47.6 | 142.8 |
| 119 | 62.0 | 32.5 | 97.5 |



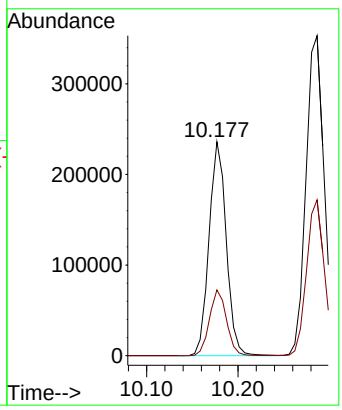


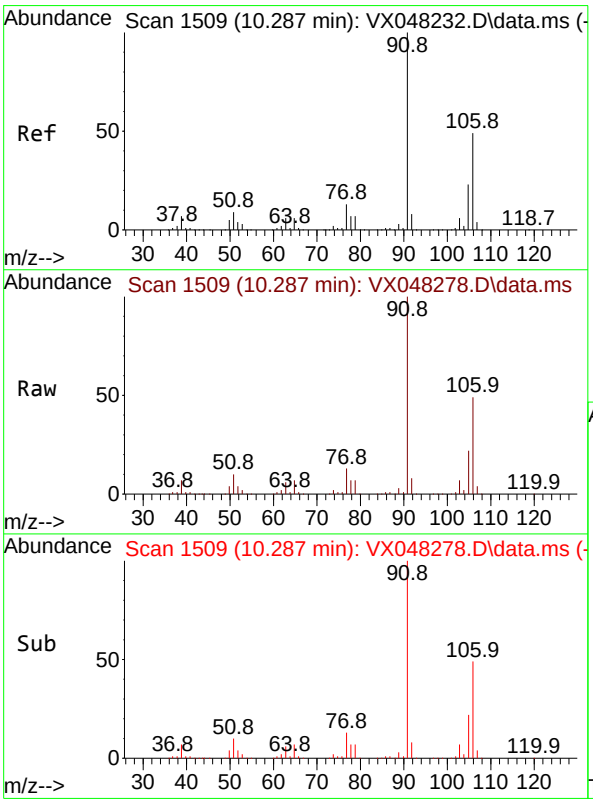

#67
Ethyl Benzene
Concen: 45.338 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 308525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.7 | 23.8 | 35.6 |

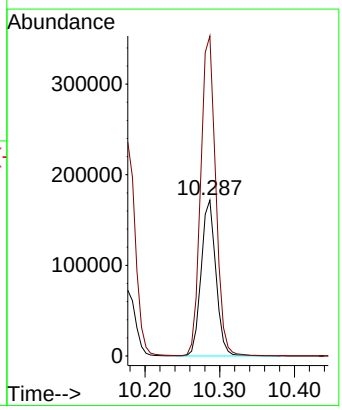


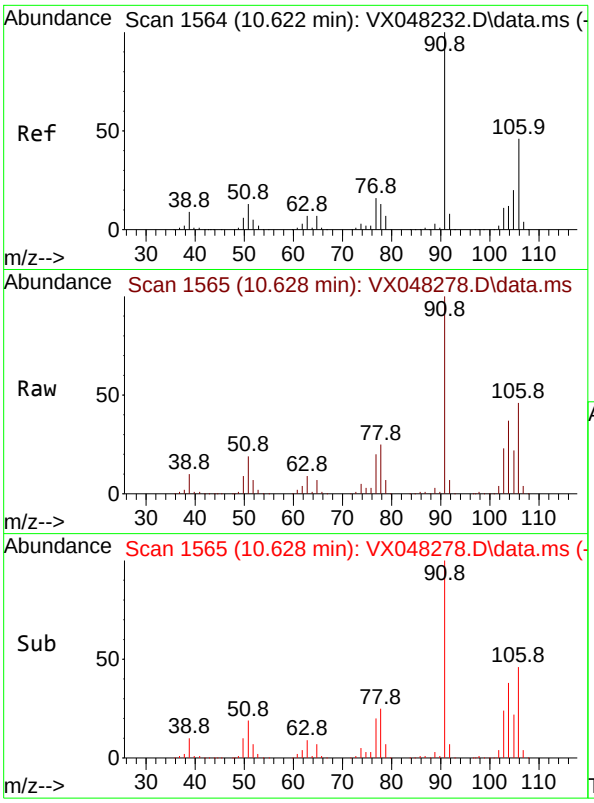




#68
m/p-Xylenes
Concen: 93.046 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:106 Resp: 235258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.5 | 167.9 | 251.9 |



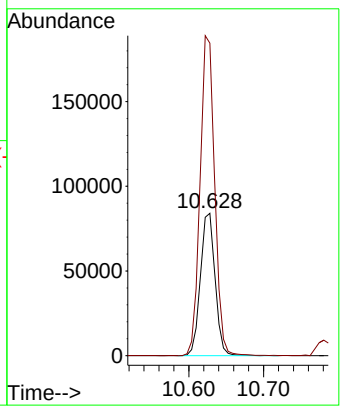


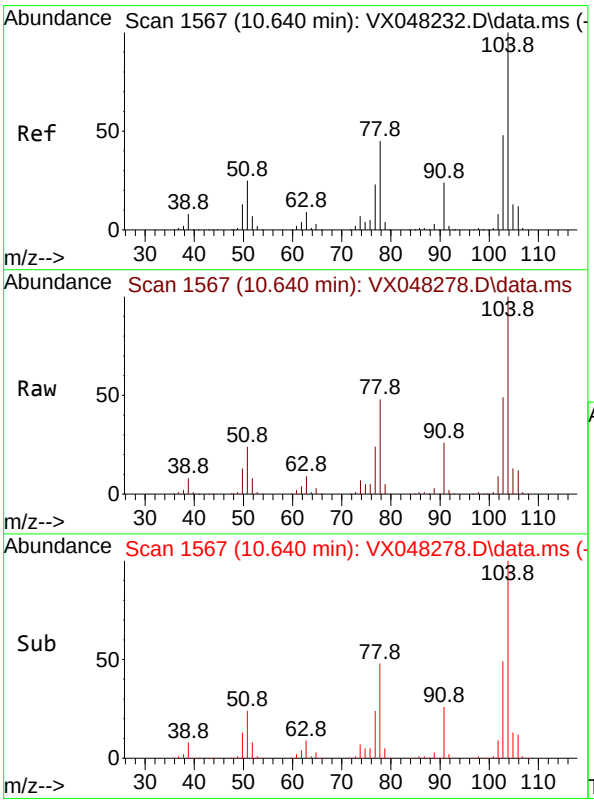

#69
o-Xylene
Concen: 46.976 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 114670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.5 | 111.3 | 333.9 |

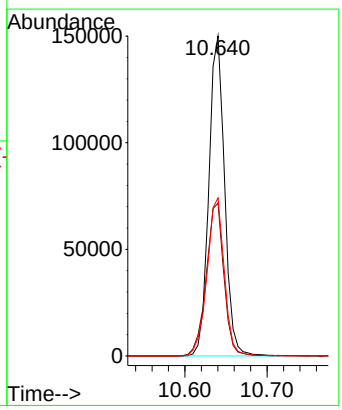


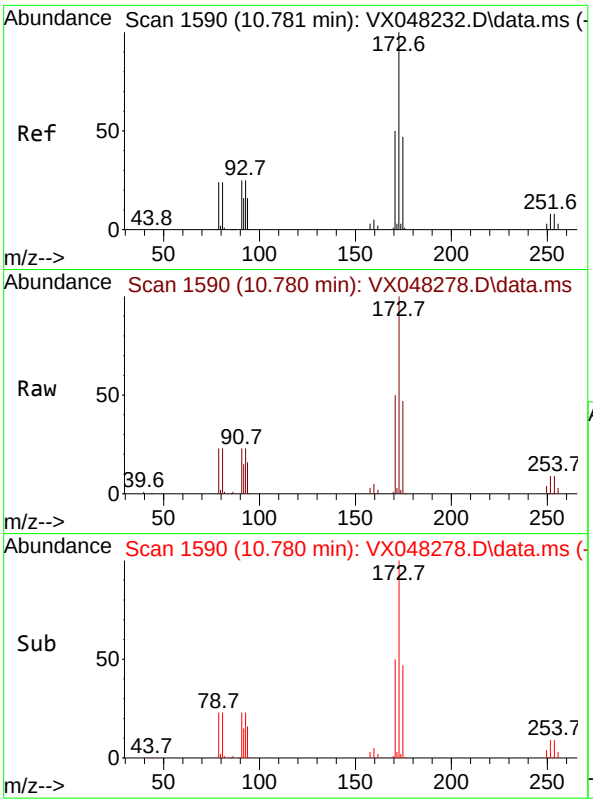




#70
Styrene
Concen: 48.144 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:104 Resp: 200106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.5 | 42.2 | 63.4 |
| 103 | 54.2 | 43.0 | 64.4 |



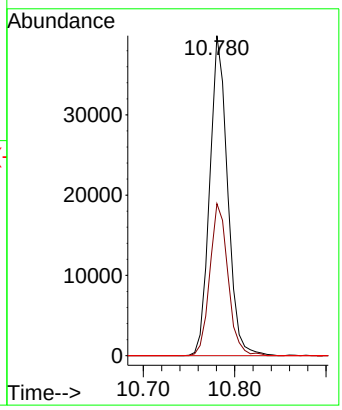


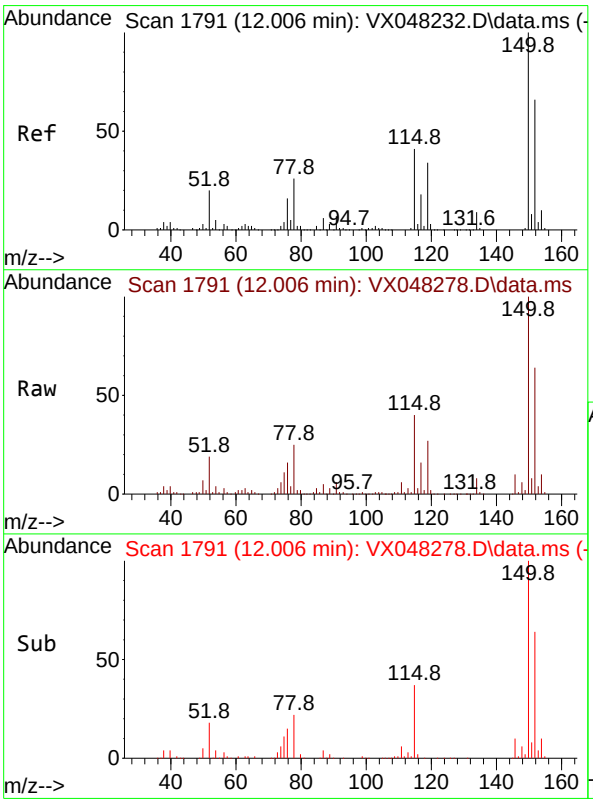

#71
Bromoform
Concen: 46.009 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 53984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.2 | 24.0 | 72.0 |
| 254 | 0.0 | 0.0 | 0.0 |

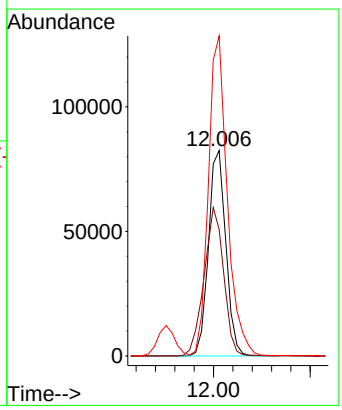


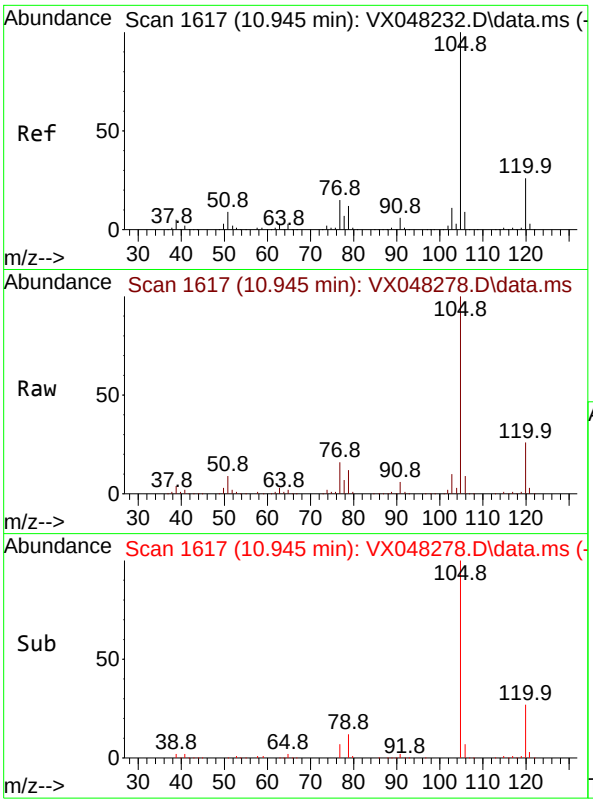




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:152 Resp: 103139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 81.5 | 43.1 | 129.4 |
| 150 | 168.7 | 0.0 | 353.0 |



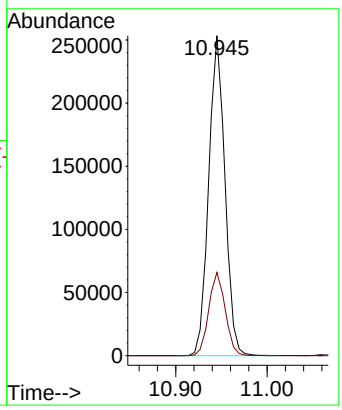


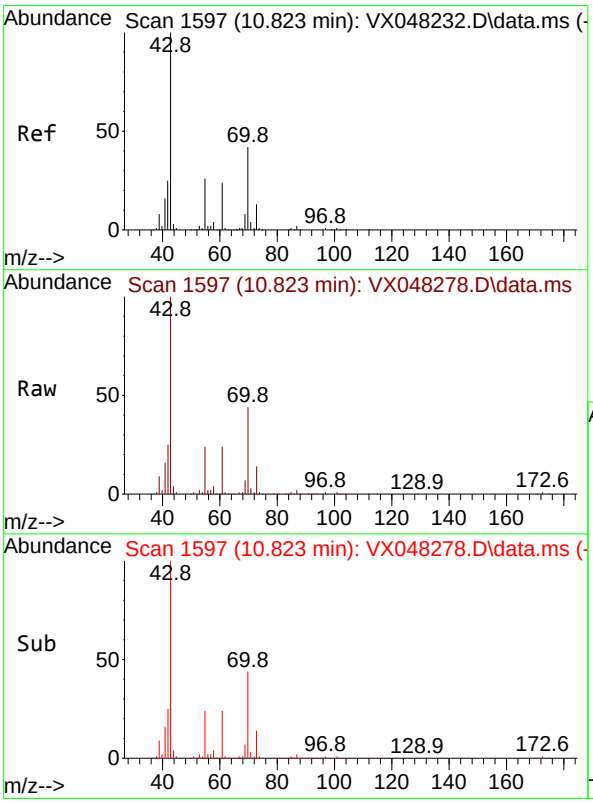

#73
Isopropylbenzene
Concen: 41.323 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 311296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 13.0 | 38.9 |

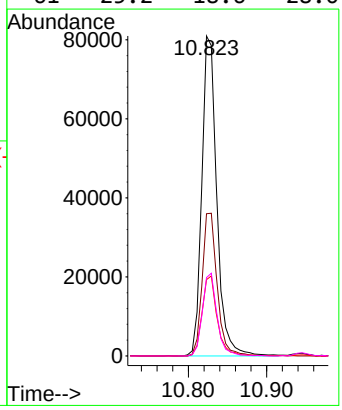


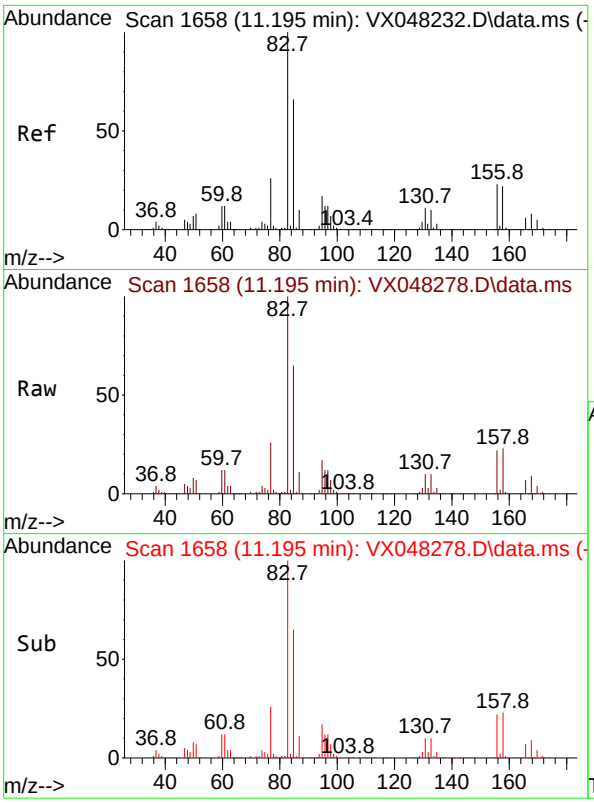




#74
N-amyl acetate
Concen: 40.243 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 43 Resp: 107536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 44.7 | 32.2 | 48.2 |
| 55 | 25.2 | 19.1 | 28.7 |
| 61 | 25.2 | 18.6 | 28.0 |



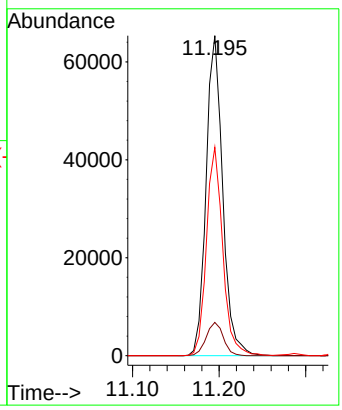


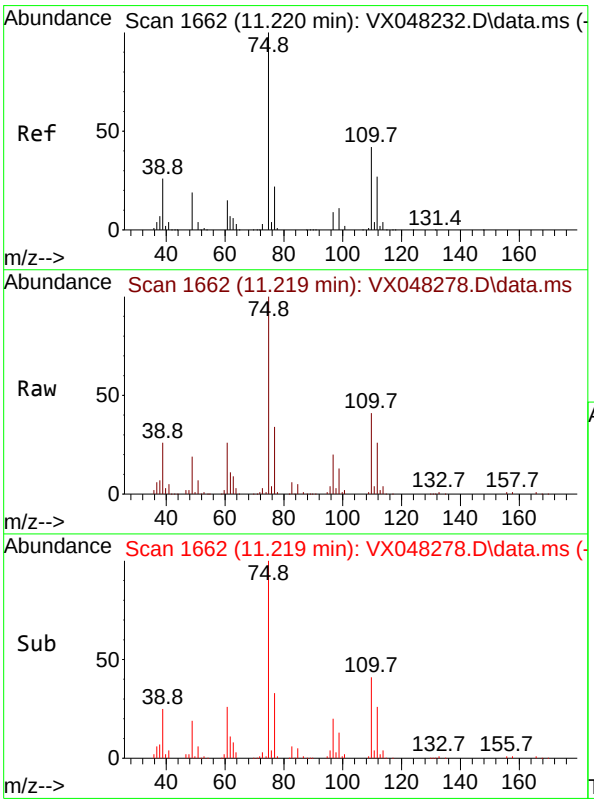

#75
1,1,2,2-Tetrachloroethane
Concen: 42.247 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 86911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.8 | 4.8 | 14.4 |
| 85 | 64.2 | 31.9 | 95.7 |

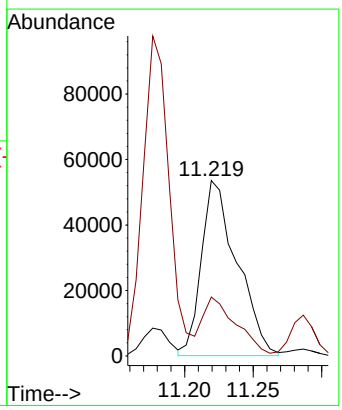


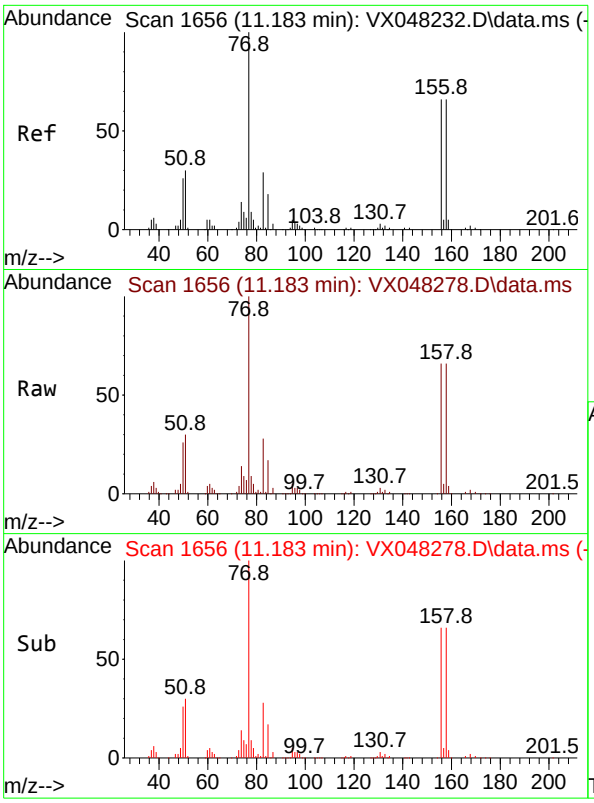




#76
1,2,3-Trichloropropane
Concen: 58.080 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 75 Resp: 97142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 22.4 | 67.2 |



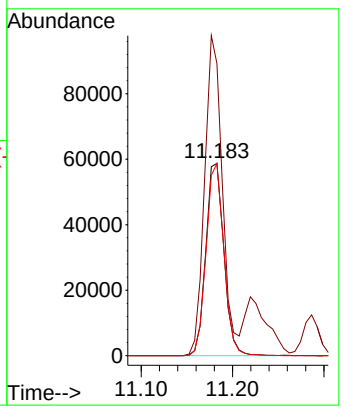


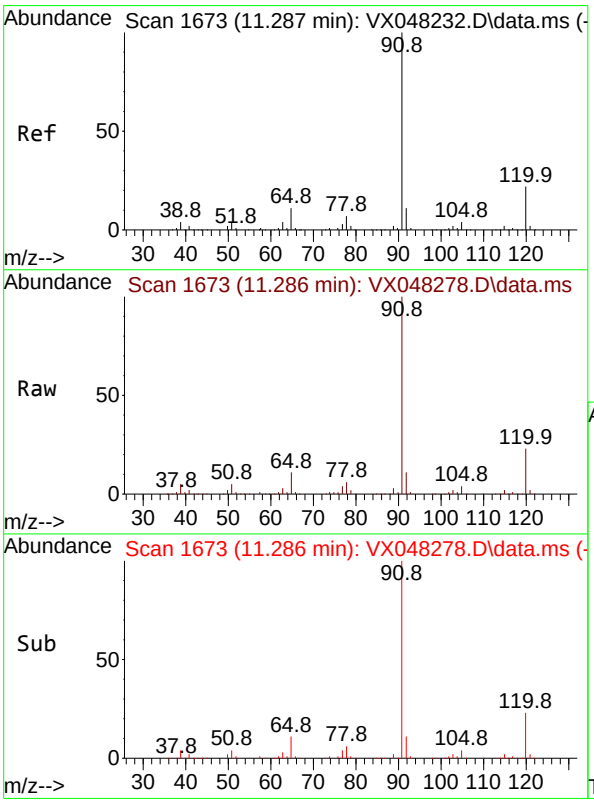

#77
Bromobenzene
Concen: 42.643 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 80549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 162.8 | 87.0 | 261.0 |
| 158 | 98.1 | 47.8 | 143.4 |

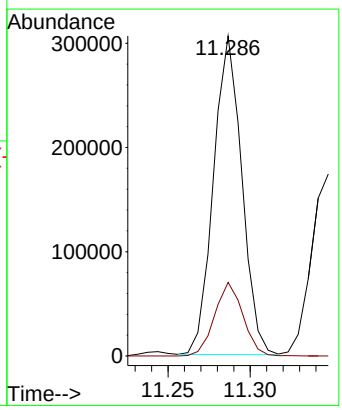


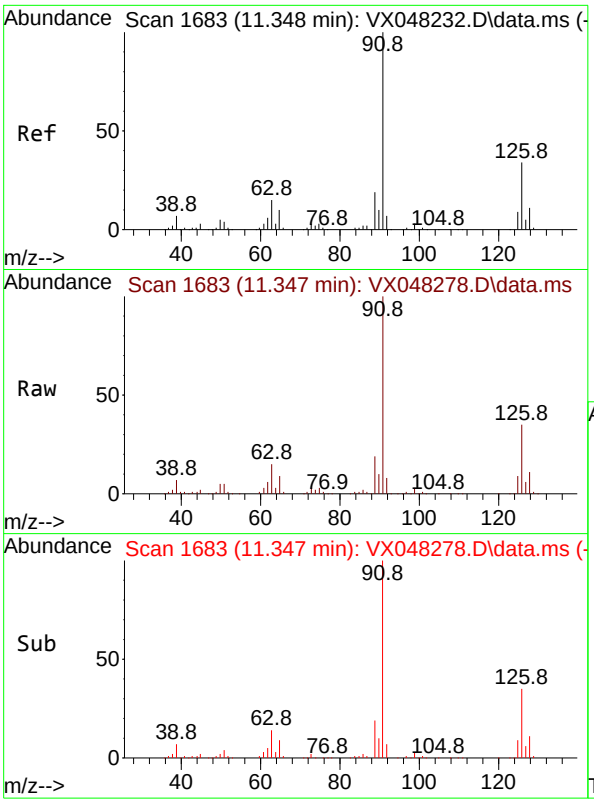




#78
n-propylbenzene
Concen: 41.944 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 91 Resp: 365847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.1 | 11.1 | 33.1 |



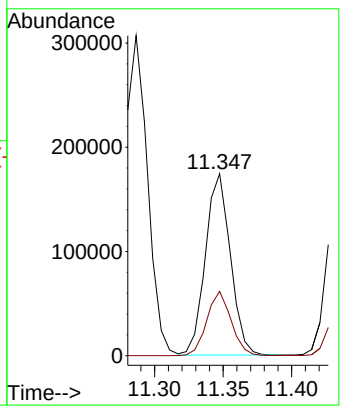


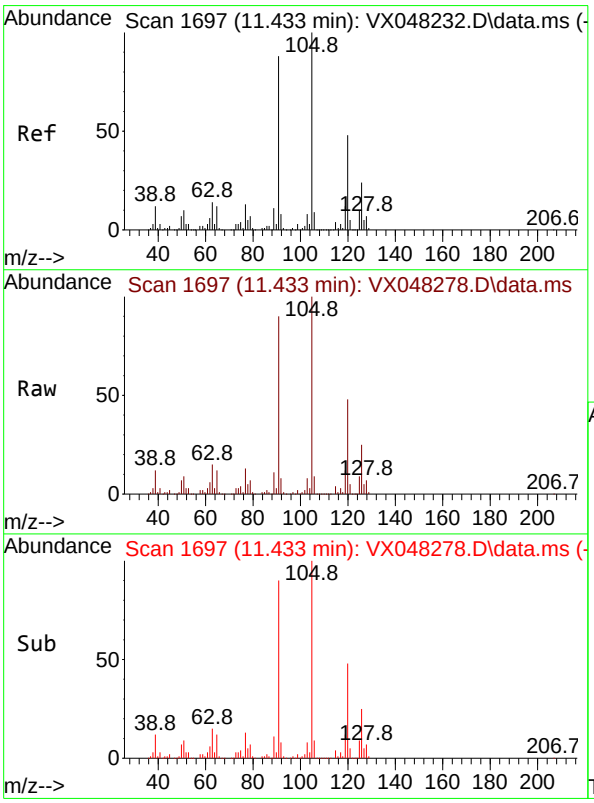

#79
2-Chlorotoluene
Concen: 41.700 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 220518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.6 | 16.4 | 49.4 |

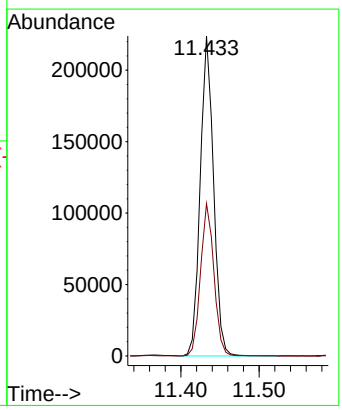


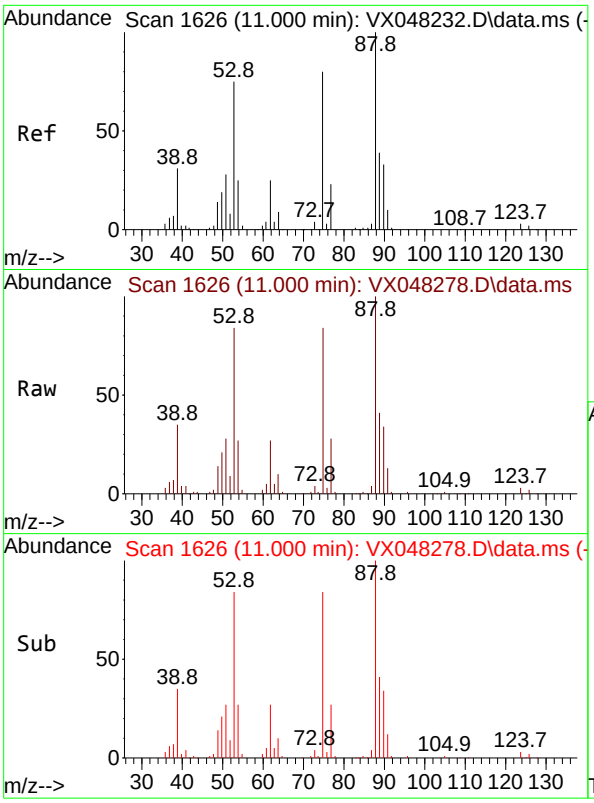




#80
1,3,5-Trimethylbenzene
Concen: 42.365 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:105 Resp: 264110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.9 | 24.0 | 72.0 |



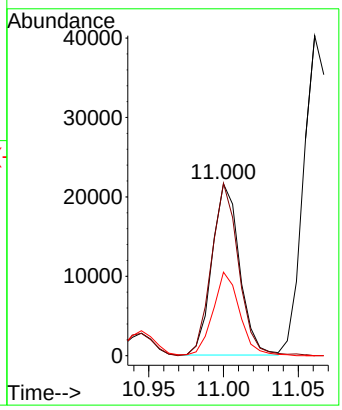


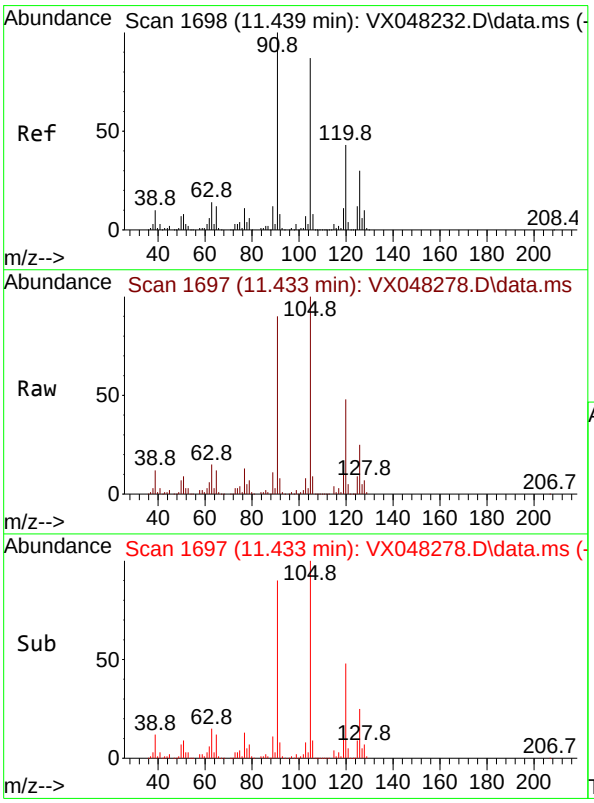

#81
trans-1,4-Dichloro-2-butene
Concen: 40.195 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 27633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 99.4 | 79.5 | 119.3 |
| 89 | 47.4 | 36.8 | 55.2 |

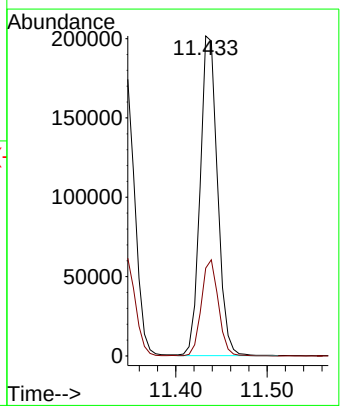


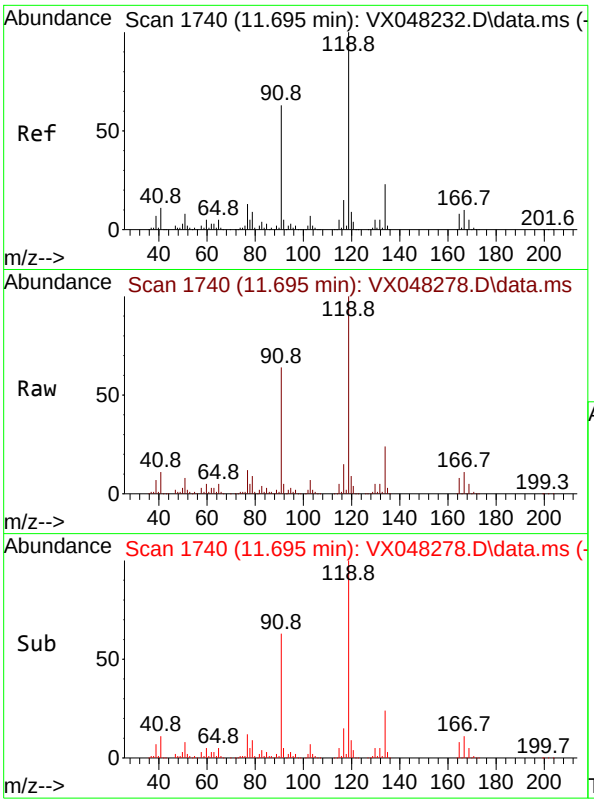




#82
4-Chlorotoluene
Concen: 42.258 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 91 Resp: 265279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.4 | 14.1 | 42.4 |



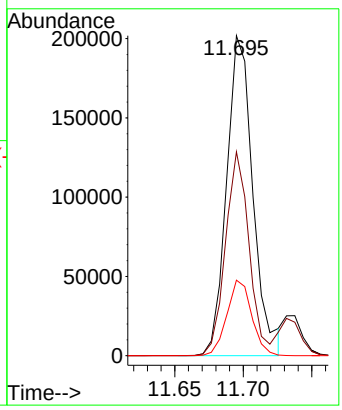


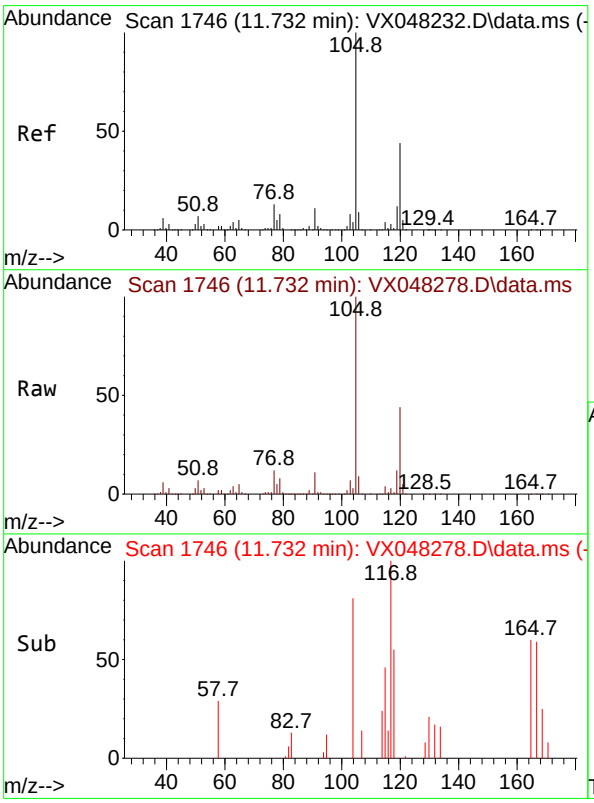

#83
tert-Butylbenzene
Concen: 42.107 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 269712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 57.2 | 30.3 | 91.0 |
| 134 | 22.3 | 11.4 | 34.2 |

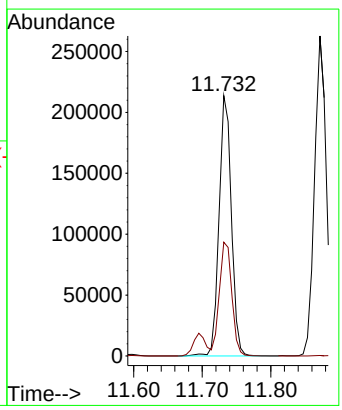


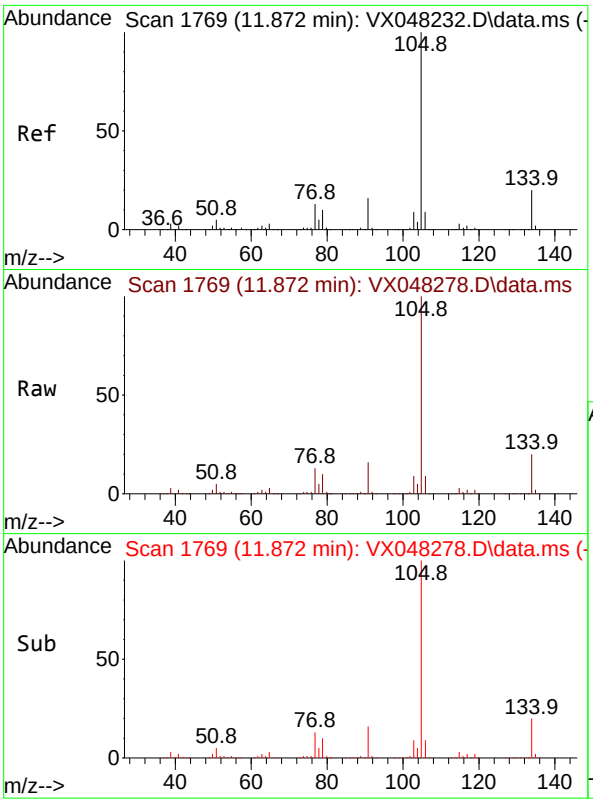




#84
1,2,4-Trimethylbenzene
Concen: 42.577 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:105 Resp: 264898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 22.1 | 66.5 |



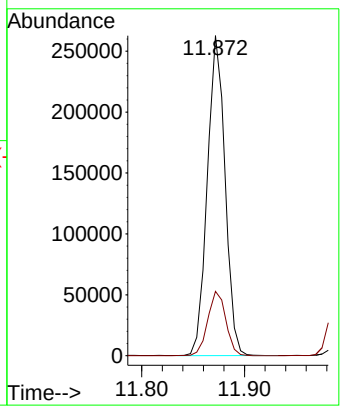


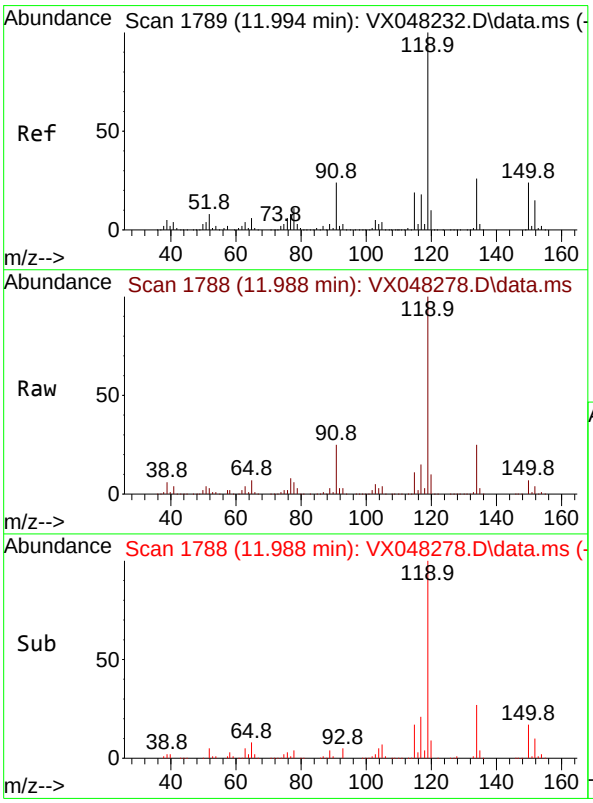

#85
sec-Butylbenzene
Concen: 40.863 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 314902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.5 | 10.1 | 30.1 |

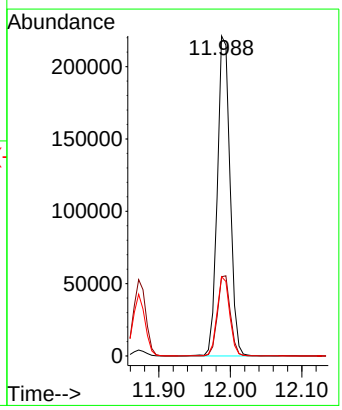


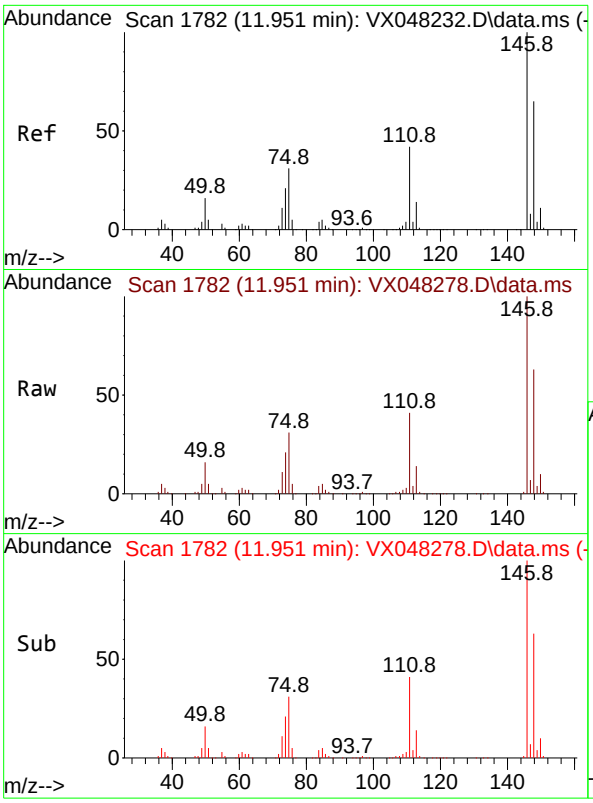




#86
p-Isopropyltoluene
Concen: 40.931 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:119 Resp: 272639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.2 | 13.0 | 39.0 |
| 91 | 24.5 | 12.1 | 36.3 |



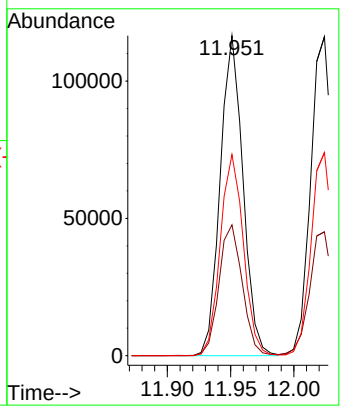


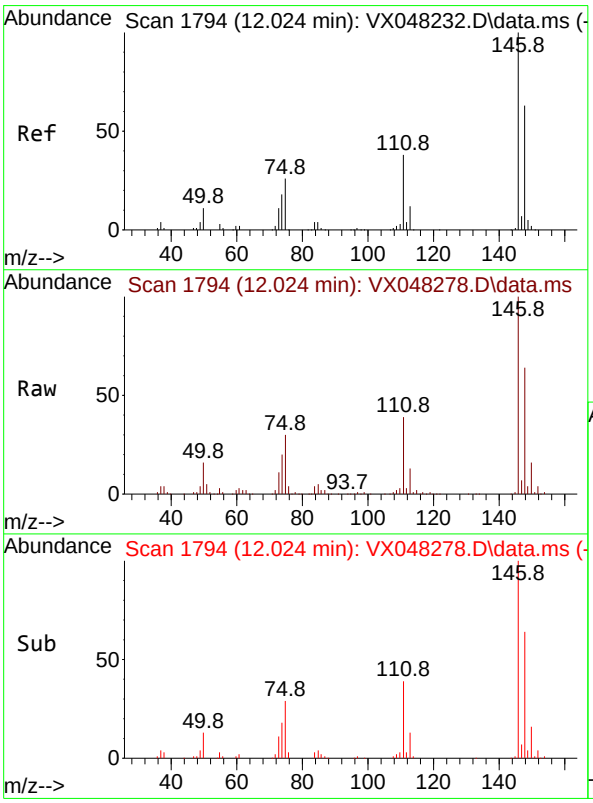

#87
1,3-Dichlorobenzene
Concen: 40.908 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 145669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 20.4 | 61.2 |
| 148 | 63.9 | 31.9 | 95.9 |

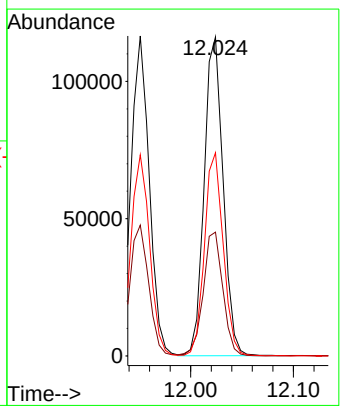


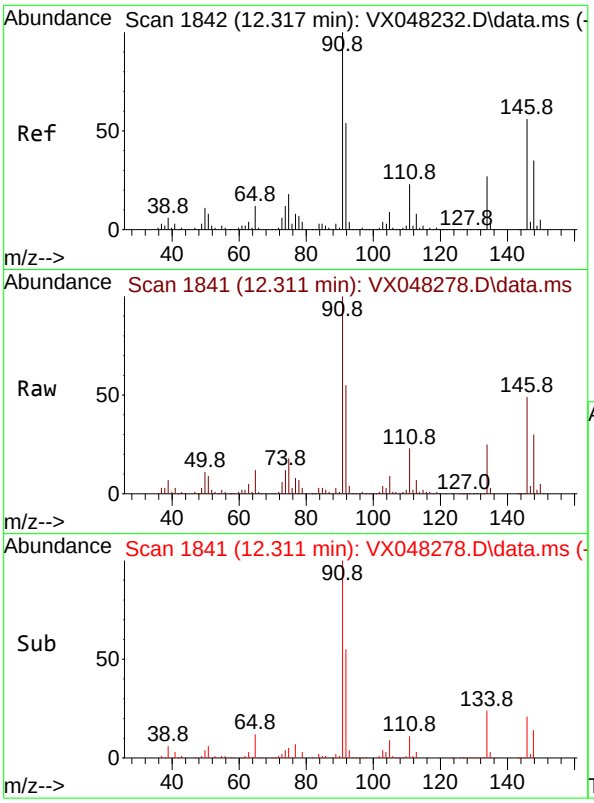




#88
1,4-Dichlorobenzene
Concen: 40.270 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:146 Resp: 148555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.2 | 20.1 | 60.2 |
| 148 | 63.4 | 31.8 | 95.3 |



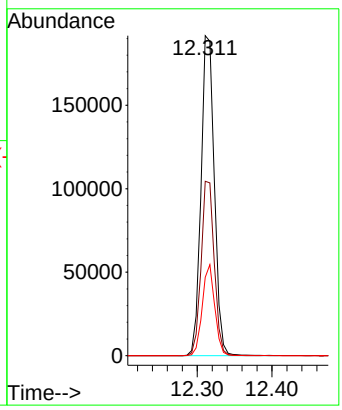


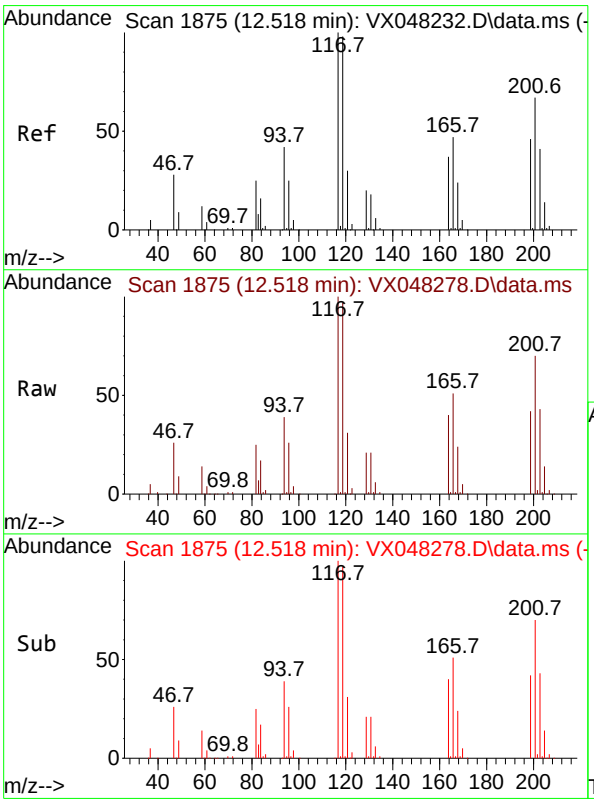

#89
n-Butylbenzene
Concen: 39.088 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 236982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.0 | 26.9 | 80.6 |
| 134 | 26.6 | 12.7 | 38.1 |

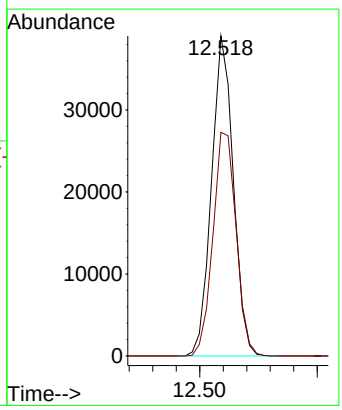


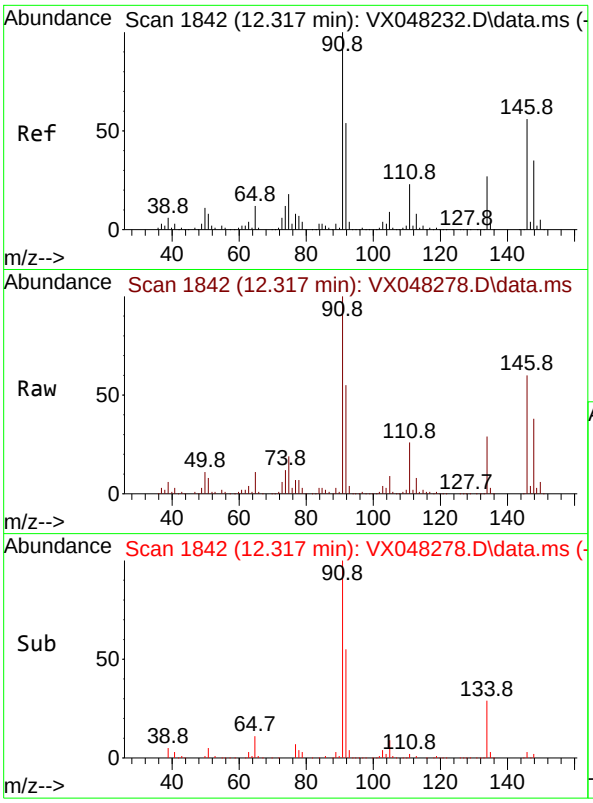




#90
Hexachloroethane
Concen: 38.153 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:117 Resp: 50186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 74.6 | 34.1 | 102.2 |



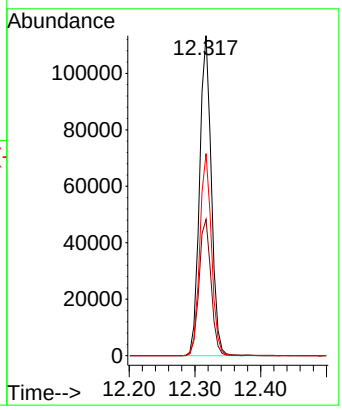


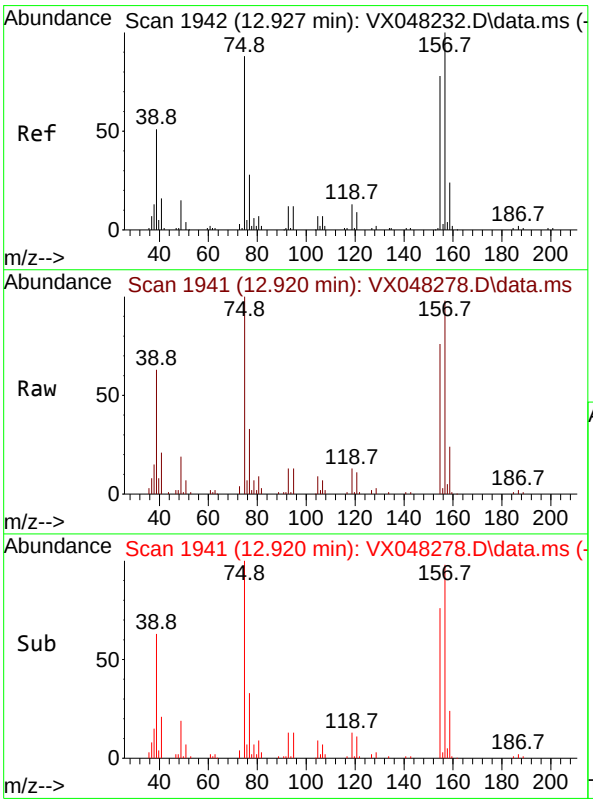

#91
1,2-Dichlorobenzene
Concen: 42.066 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 140638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.9 | 65.5 |
| 148 | 62.7 | 31.9 | 95.5 |

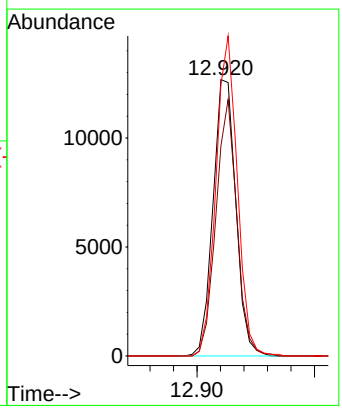


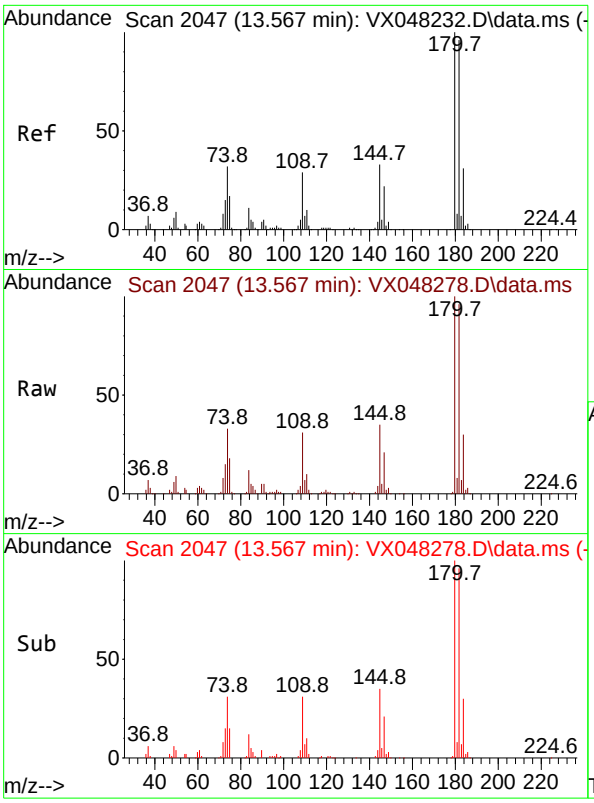




#92
1,2-Dibromo-3-Chloropropane
Concen: 40.930 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion: 75 Resp: 17092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.0 | 42.8 | 128.4 |
| 157 | 108.8 | 54.2 | 162.6 |



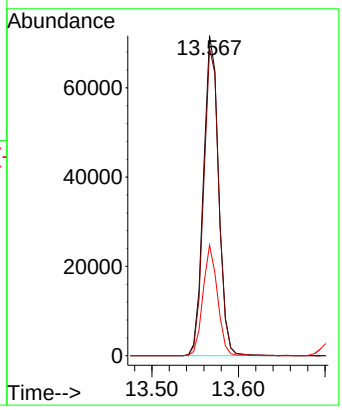


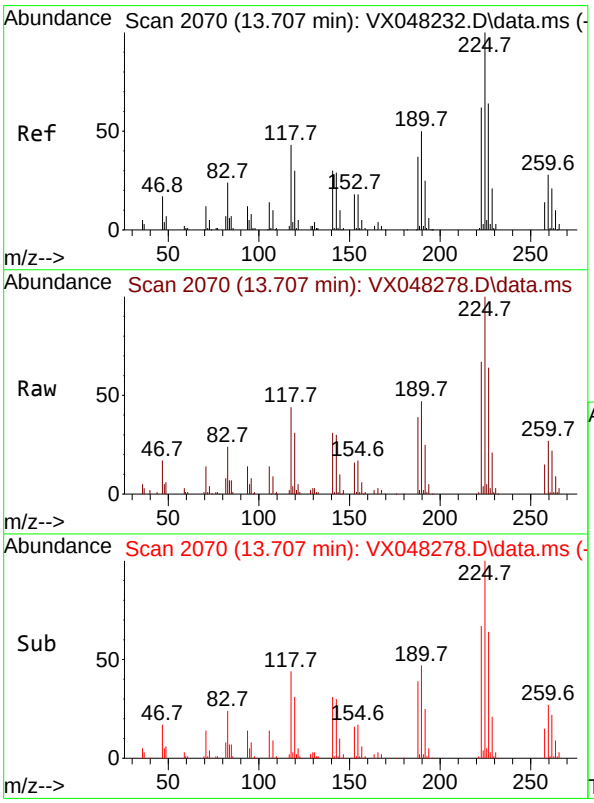

#93
1,2,4-Trichlorobenzene
Concen: 38.490 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 87024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 47.3 | 142.0 |
| 145 | 33.1 | 16.3 | 48.9 |

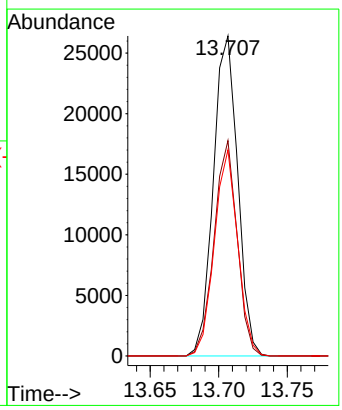


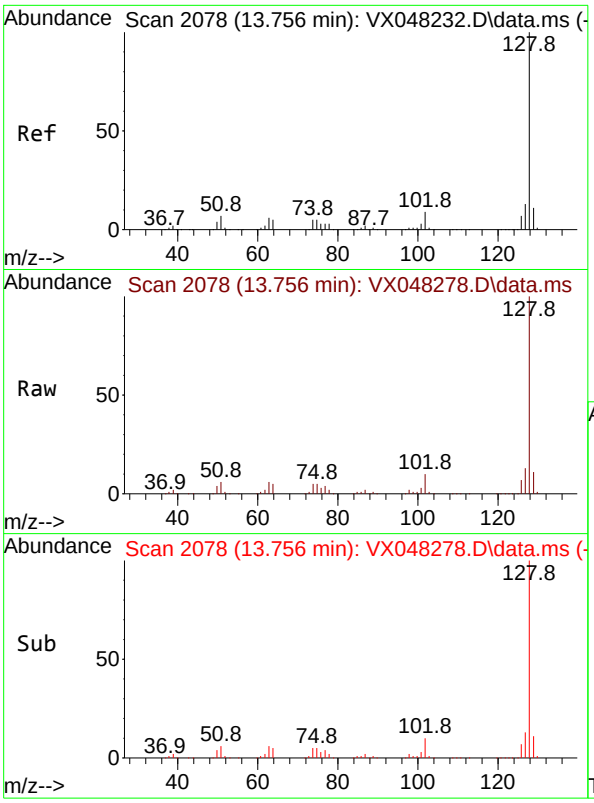




#94
Hexachlorobutadiene
Concen: 38.565 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:225 Resp: 32660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 32.6 | 97.7 |
| 227 | 61.7 | 32.5 | 97.4 |



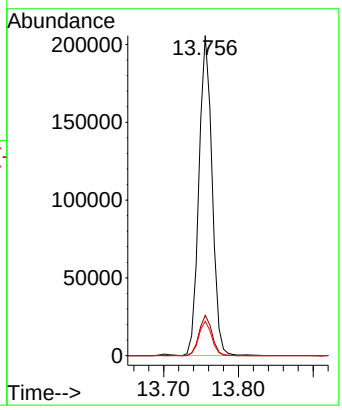


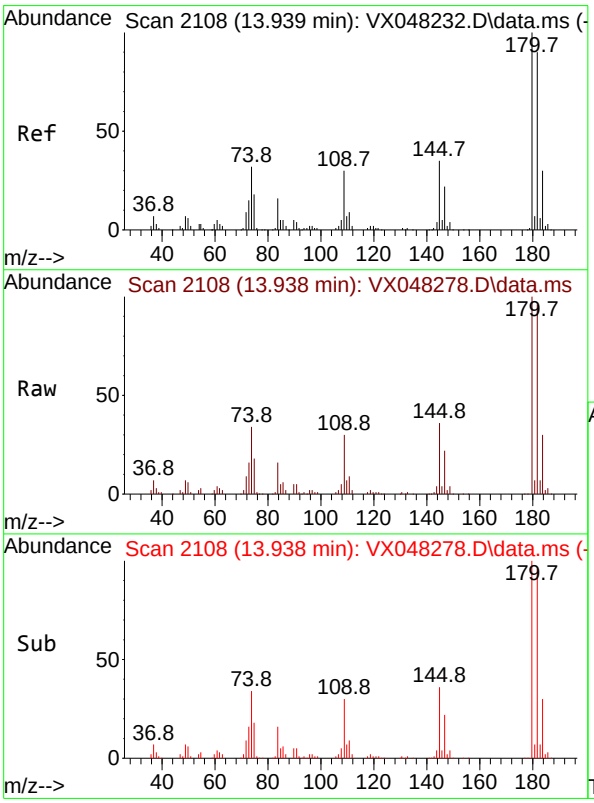

#95
Naphthalene
Concen: 41.822 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 250514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.5 | 10.2 | 15.4 |
| 129 | 10.7 | 8.6 | 12.8 |




#96
1,2,3-Trichlorobenzene
Concen: 40.246 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048278.D
Acq: 21 Oct 2025 18:09

Tgt Ion:180 Resp: 83499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 46.6 | 139.7 |
| 145 | 34.5 | 16.9 | 50.7 |

