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

# Cover Page

**Order ID :** Q2120

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

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

| Lab Sample Number | Client Sample Number |
|---|---|
| Q2120-01 | VPB182-HYD-20250522 |
| Q2120-02 | BP-VPB-182-EB-20250522 |

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: 5/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

# CASE NARRATIVE

**Tetra Tech NUS, Inc.**
**Project Name: NWIRP Bethpage 112G08005-WE13**
**Project Manager# Ernie Wu**
**Order ID # Q2120**
**Test Name: VOCMS Group1**

**A. Number of Samples and Date of Receipt:**
2 Water samples were received on 05/22/2025.

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

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

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

The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
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)."

Trip Blank was not provided with this set of samples.
The not QT review data is reported in the Miscellaneous.

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

**F. Manual Integration Comments:**
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

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

Signature_____

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# DATA REPORTING QUALIFIERS- ORGANIC

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

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

# ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

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

ORDER ID: Q2120 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><br>The Initial Calibration met the requirements.<br>The Continuous Calibration met the requirements. | | | ✓ |
| 6. | Blank Contamination - If yes, list compounds and concentrations in each blank: | | ✓ | |
| 7. | Surrogate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable ranges. | | | ✓ |
| 8. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria<br>If not met, list those compounds and their recoveries which fall outside the acceptable range.<br>The Blank Spike met requirements for all samples.<br>The Blank Spike Duplicate met requirements for all samples. | | | ✓ |
| 9. | Internal Standard Area/Retention Time Shift Meet Criteria<br><br>Comments: | | | ✓ |
| 10. | Analysis Holding Time Met<br><br>If not met, list number of days exceeded for each sample: | | | ✓ |

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

NA NO YES

ADDITIONAL COMMENTS:

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)."

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

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

_____ _____

QA REVIEW Date

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**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

**Project #:** **Q2120**

| | 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:** **05/29/2025**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2120 | **OrderDate:** | 5/22/2025 3:57:00 PM |
| **Client:** | Tetra Tech NUS, Inc. | **Project:** | NWIRP Bethpage 112G08005-WE13 |
| **Contact:** | Ernie Wu | **Location:** | L41,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2120-01** | **VPB182-HYD-20250522** | **Water** | | | **05/22/25** | | | **05/22/25** |
| | | | VOCMS Group1 | 8260-Low | | | 05/23/25 | |
| **Q2120-02** | **BP-VPB-182-EB-20250522** | **Water** | | | **05/22/25** | | | **05/22/25** |
| | | | VOCMS Group1 | 8260-Low | | | 05/23/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2120

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

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **VPB182-HYD-20250522** | | | | | | | | |
| Q2120-01 | VPB182-HYD-2025 | Water | Acetone | 1.60 | J | 1.50 | 3.80 | 5.00 | ug/L |
| Q2120-01 | VPB182-HYD-2025 | Water | Dibromochloromethane | 1.50 | | 0.18 | 0.50 | 1.00 | ug/L |
| | | | **Total Voc :** | 3.10 | | | | | |
| | | | **Total Concentration:** | 3.10 | | | | | |
| **Client ID:** | **BP-VPB-182-EB-20250522** | | | | | | | | |
| Q2120-02 | BP-VPB-182-EB-20 | Water | Acetone | 15.4 | | 1.50 | 3.80 | 5.00 | ug/L |
| | | | **Total Voc :** | 15.4 | | | | | |
| | | | **Total Concentration:** | 15.4 | | | | | |




# QC SUMMARY

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# Surrogate Summary

**SDG No.:** Q2120

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

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| Q2120-01 | VPB182-HYD-20250522 | 1,2-Dichloroethane-d4 | 50 | 54.0 | 108 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 50.5 | 101 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.7 | 99 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 52.5 | 105 | 85 | 114 |
| Q2120-02 | BP-VPB-182-EB-20250522 | 1,2-Dichloroethane-d4 | 50 | 53.6 | 107 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 50.5 | 101 | 80 | 119 |
| | | Toluene-d8 | 50 | 50.7 | 101 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 51.0 | 102 | 85 | 114 |
| VX0523WBL01 | VX0523WBL01 | 1,2-Dichloroethane-d4 | 50 | 53.2 | 106 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 52.0 | 104 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.1 | 102 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 51.9 | 104 | 85 | 114 |
| VX0523WBS01 | VX0523WBS01 | 1,2-Dichloroethane-d4 | 50 | 50.5 | 101 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 52.4 | 105 | 80 | 119 |
| | | Toluene-d8 | 50 | 50.7 | 101 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 51.4 | 103 | 85 | 114 |
| VX0523WBSD0 | VX0523WBSD01 | 1,2-Dichloroethane-d4 | 50 | 50.2 | 100 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 51.1 | 102 | 80 | 119 |
| | | Toluene-d8 | 50 | 50.3 | 101 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 51.8 | 104 | 85 | 114 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2120

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

**Analytical Method:** SW8260-Low **Datafile :** VX046334.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0523WBS01 | Chloromethane | 20 | 18.7 | ug/L | 94 | | | 50 | 139 | |
| | Vinyl chloride | 20 | 17.8 | ug/L | 89 | | | 58 | 137 | |
| | Bromomethane | 20 | 18.3 | ug/L | 92 | | | 53 | 141 | |
| | Chloroethane | 20 | 19.2 | ug/L | 96 | | | 60 | 138 | |
| | Trichlorofluoromethane | 20 | 19.9 | ug/L | 100 | | | 65 | 141 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 20.1 | ug/L | 101 | | | 70 | 136 | |
| | 1,1-Dichloroethene | 20 | 19.3 | ug/L | 97 | | | 71 | 131 | |
| | Acetone | 100 | 100 | ug/L | 100 | | | 39 | 160 | |
| | Carbon disulfide | 20 | 15.4 | ug/L | 77 | | | 64 | 133 | |
| | Methyl tert-butyl Ether | 20 | 20.7 | ug/L | 104 | | | 71 | 124 | |
| | Methylene Chloride | 20 | 18.6 | ug/L | 93 | | | 74 | 124 | |
| | trans-1,2-Dichloroethene | 20 | 19.0 | ug/L | 95 | | | 75 | 124 | |
| | 1,1-Dichloroethane | 20 | 20.3 | ug/L | 102 | | | 77 | 125 | |
| | 2-Butanone | 100 | 110 | ug/L | 110 | | | 56 | 143 | |
| | Carbon Tetrachloride | 20 | 20.4 | ug/L | 102 | | | 72 | 136 | |
| | cis-1,2-Dichloroethene | 20 | 20.4 | ug/L | 102 | | | 78 | 123 | |
| | Chloroform | 20 | 21.0 | ug/L | 105 | | | 79 | 124 | |
| | 1,1,1-Trichloroethane | 20 | 20.4 | ug/L | 102 | | | 74 | 131 | |
| | Methylcyclohexane | 20 | 18.4 | ug/L | 92 | | | 72 | 132 | |
| | Benzene | 20 | 20.3 | ug/L | 102 | | | 79 | 120 | |
| | 1,2-Dichloroethane | 20 | 20.7 | ug/L | 104 | | | 73 | 128 | |
| | Trichloroethene | 20 | 19.8 | ug/L | 99 | | | 79 | 123 | |
| | 1,2-Dichloropropane | 20 | 21.1 | ug/L | 106 | | | 78 | 122 | |
| | Bromodichloromethane | 20 | 20.8 | ug/L | 104 | | | 79 | 125 | |
| | 4-Methyl-2-Pentanone | 100 | 110 | ug/L | 110 | | | 67 | 130 | |
| | Toluene | 20 | 20.4 | ug/L | 102 | | | 80 | 121 | |
| | t-1,3-Dichloropropene | 20 | 19.5 | ug/L | 98 | | | 73 | 127 | |
| | cis-1,3-Dichloropropene | 20 | 20.7 | ug/L | 104 | | | 75 | 124 | |
| | 1,1,2-Trichloroethane | 20 | 21.8 | ug/L | 109 | | | 80 | 119 | |
| | 2-Hexanone | 100 | 110 | ug/L | 110 | | | 57 | 139 | |
| | Dibromochloromethane | 20 | 21.0 | ug/L | 105 | | | 74 | 126 | |
| | Tetrachloroethene | 20 | 20.9 | ug/L | 104 | | | 74 | 129 | |
| | Chlorobenzene | 20 | 20.1 | ug/L | 101 | | | 82 | 118 | |
| | Ethyl Benzene | 20 | 20.3 | ug/L | 102 | | | 79 | 121 | |
| | m/p-Xylenes | 40 | 40.6 | ug/L | 102 | | | 80 | 121 | |
| | o-Xylene | 20 | 20.5 | ug/L | 103 | | | 78 | 122 | |
| | Styrene | 20 | 21.0 | ug/L | 105 | | | 78 | 123 | |
| | Bromoform | 20 | 19.4 | ug/L | 97 | | | 66 | 130 | |
| | Isopropylbenzene | 20 | 20.2 | ug/L | 101 | | | 72 | 131 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 20.2 | ug/L | 101 | | | 71 | 121 | |
| | 1,3-Dichlorobenzene | 20 | 20.0 | ug/L | 100 | | | 80 | 119 | |
| | 1,4-Dichlorobenzene | 20 | 19.8 | ug/L | 99 | | | 79 | 118 | |
| | 1,2-Dichlorobenzene | 20 | 20.6 | ug/L | 103 | | | 80 | 119 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2120

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

**Analytical Method:** SW8260-Low **Datafile :** VX046337.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0523WBSD01 | Chloromethane | 20 | 18.5 | ug/L | 93 | 1 | | 50 | 139 | 20 |
| | Vinyl chloride | 20 | 17.4 | ug/L | 87 | 2 | | 58 | 137 | 20 |
| | Bromomethane | 20 | 17.6 | ug/L | 88 | 4 | | 53 | 141 | 20 |
| | Chloroethane | 20 | 19.9 | ug/L | 100 | 4 | | 60 | 138 | 20 |
| | Trichlorofluoromethane | 20 | 19.6 | ug/L | 98 | 2 | | 65 | 141 | 20 |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 19.6 | ug/L | 98 | 3 | | 70 | 136 | 20 |
| | 1,1-Dichloroethene | 20 | 18.5 | ug/L | 93 | 4 | | 71 | 131 | 20 |
| | Acetone | 100 | 100 | ug/L | 100 | 0 | | 39 | 160 | 20 |
| | Carbon disulfide | 20 | 14.1 | ug/L | 71 | 8 | | 64 | 133 | 20 |
| | Methyl tert-butyl Ether | 20 | 20.8 | ug/L | 104 | 0 | | 71 | 124 | 20 |
| | Methylene Chloride | 20 | 18.6 | ug/L | 93 | 0 | | 74 | 124 | 20 |
| | trans-1,2-Dichloroethene | 20 | 18.6 | ug/L | 93 | 2 | | 75 | 124 | 20 |
| | 1,1-Dichloroethane | 20 | 20.5 | ug/L | 103 | 1 | | 77 | 125 | 20 |
| | 2-Butanone | 100 | 110 | ug/L | 110 | 0 | | 56 | 143 | 20 |
| | Carbon Tetrachloride | 20 | 19.1 | ug/L | 96 | 6 | | 72 | 136 | 20 |
| | cis-1,2-Dichloroethene | 20 | 20.2 | ug/L | 101 | 1 | | 78 | 123 | 20 |
| | Chloroform | 20 | 21.0 | ug/L | 105 | 0 | | 79 | 124 | 20 |
| | 1,1,1-Trichloroethane | 20 | 20.4 | ug/L | 102 | 0 | | 74 | 131 | 20 |
| | Methylcyclohexane | 20 | 18.6 | ug/L | 93 | 1 | | 72 | 132 | 20 |
| | Benzene | 20 | 20.4 | ug/L | 102 | 0 | | 79 | 120 | 20 |
| | 1,2-Dichloroethane | 20 | 20.7 | ug/L | 104 | 0 | | 73 | 128 | 20 |
| | Trichloroethene | 20 | 19.8 | ug/L | 99 | 0 | | 79 | 123 | 20 |
| | 1,2-Dichloropropane | 20 | 21.3 | ug/L | 106 | 0 | | 78 | 122 | 20 |
| | Bromodichloromethane | 20 | 20.3 | ug/L | 102 | 2 | | 79 | 125 | 20 |
| | 4-Methyl-2-Pentanone | 100 | 110 | ug/L | 110 | 0 | | 67 | 130 | 20 |
| | Toluene | 20 | 20.7 | ug/L | 104 | 2 | | 80 | 121 | 20 |
| | t-1,3-Dichloropropene | 20 | 19.3 | ug/L | 97 | 1 | | 73 | 127 | 20 |
| | cis-1,3-Dichloropropene | 20 | 20.0 | ug/L | 100 | 4 | | 75 | 124 | 20 |
| | 1,1,2-Trichloroethane | 20 | 21.7 | ug/L | 109 | 0 | | 80 | 119 | 20 |
| | 2-Hexanone | 100 | 110 | ug/L | 110 | 0 | | 57 | 139 | 20 |
| | Dibromochloromethane | 20 | 20.3 | ug/L | 102 | 3 | | 74 | 126 | 20 |
| | Tetrachloroethene | 20 | 20.2 | ug/L | 101 | 3 | | 74 | 129 | 20 |
| | Chlorobenzene | 20 | 20.0 | ug/L | 100 | 1 | | 82 | 118 | 20 |
| | Ethyl Benzene | 20 | 20.7 | ug/L | 104 | 2 | | 79 | 121 | 20 |
| | m/p-Xylenes | 40 | 41.1 | ug/L | 103 | 1 | | 80 | 121 | 20 |
| | o-Xylene | 20 | 21.0 | ug/L | 105 | 2 | | 78 | 122 | 20 |
| | Styrene | 20 | 21.5 | ug/L | 108 | 3 | | 78 | 123 | 20 |
| | Bromoform | 20 | 18.5 | ug/L | 93 | 4 | | 66 | 130 | 20 |
| | Isopropylbenzene | 20 | 21.5 | ug/L | 108 | 7 | | 72 | 131 | 20 |
| | 1,1,2,2-Tetrachloroethane | 20 | 21.2 | ug/L | 106 | 5 | | 71 | 121 | 20 |
| | 1,3-Dichlorobenzene | 20 | 20.6 | ug/L | 103 | 3 | | 80 | 119 | 20 |
| | 1,4-Dichlorobenzene | 20 | 20.6 | ug/L | 103 | 4 | | 79 | 118 | 20 |
| | 1,2-Dichlorobenzene | 20 | 21.9 | ug/L | 110 | 7 | | 80 | 119 | 20 |

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0523WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2120 SAS No.: Q2120 SDG NO.: Q2120

Lab File ID: VX046333.D Lab Sample ID: VX0523WBL01

Date Analyzed: 05/23/2025 Time Analyzed: 10:16

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 |
|---|---|---|---|
| VX0523WBS01 | VX0523WBS01 | VX046334.D | 05/23/2025 |
| VX0523WBSD01 | VX0523WBSD01 | VX046337.D | 05/23/2025 |
| VPB182-HYD-20250522 | Q2120-01 | VX046338.D | 05/23/2025 |
| BP-VPB-182-EB-20250522 | Q2120-02 | VX046356.D | 05/23/2025 |

COMMENTS:

Alliance TECHNICAL GROUP

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

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

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2120 SAS No.: Q2120 SDG NO.: Q2120

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

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

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 22.1 |
| 75 | 30.0 - 60.0% of mass 95 | 56.2 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.4 |
| 173 | Less than 2.0% of mass 174 | 0.5 ( 0.7 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 68.8 |
| 175 | 5.0 - 9.0% of mass 174 | 5 ( 7.3 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 66.7 ( 97 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.6 ( 6.9 ) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC020 | VSTDICC020 | VX046041.D | 05/05/2025 | 11:35 |
| VSTDICCC050 | VSTDICCC050 | VX046042.D | 05/05/2025 | 11:58 |
| VSTDICC100 | VSTDICC100 | VX046043.D | 05/05/2025 | 12:21 |
| VSTDICC150 | VSTDICC150 | VX046044.D | 05/05/2025 | 12:45 |
| VSTDICC005 | VSTDICC005 | VX046046.D | 05/05/2025 | 16:04 |
| VSTDICC001 | VSTDICC001 | VX046047.D | 05/05/2025 | 16:27 |

Raw Data: **VX046330.D**

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

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

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2120 SAS No.: Q2120 SDG NO.: Q2120

Lab File ID: VX046330.D BFB Injection Date: 05/23/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:25

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

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 22 |
| 75 | 30.0 - 60.0% of mass 95 | 56.7 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.7 |
| 173 | Less than 2.0% of mass 174 | 0.8 ( 1.2 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 66.8 |
| 175 | 5.0 - 9.0% of mass 174 | 4.6 ( 6.9 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 64 ( 95.9 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.1 ( 6.4 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VX046331.D | 05/23/2025 | 09:24 |
| VX0523WBL01 | VX0523WBL01 | VX046333.D | 05/23/2025 | 10:16 |
| VX0523WBS01 | VX0523WBS01 | VX046334.D | 05/23/2025 | 10:57 |
| VX0523WBSD01 | VX0523WBSD01 | VX046337.D | 05/23/2025 | 12:10 |
| VPB182-HYD-20250522 | Q2120-01 | VX046338.D | 05/23/2025 | 12:33 |
| BP-VPB-182-EB-20250522 | Q2120-02 | VX046356.D | 05/23/2025 | 19:32 |
| VSTDCCC050EC | VSTDCCC050 | VX046357.D | 05/23/2025 | 19:55 |

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2120 SAS No.: Q2120 SDG NO.: Q2120

Lab File ID: VX046331.D Date Analyzed: 05/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:24

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 | 89943 | 5.54 | 154938 | 6.76 | 137123 | 10.05 |
| UPPER LIMIT | 179886 | 6.044 | 309876 | 7.257 | 274246 | 10.549 |
| LOWER LIMIT | 44971.5 | 5.044 | 77469 | 6.257 | 68561.5 | 9.549 |
| EPA SAMPLE NO. | | | | | | |
| VPB182-HYD-20250522 | 61857 | 5.55 | 124865 | 6.76 | 120584 | 10.05 |
| BP-VPB-182-EB-20250522 | 63849 | 5.55 | 127611 | 6.76 | 124029 | 10.05 |
| VX0523WBL01 | 69169 | 5.55 | 136383 | 6.76 | 129888 | 10.05 |
| VX0523WBS01 | 88801 | 5.54 | 154286 | 6.75 | 135355 | 10.05 |
| VX0523WBSD01 | 88781 | 5.55 | 156018 | 6.76 | 138561 | 10.05 |

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

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

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

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2120 SAS No.: Q2120 SDG NO.: Q2120

Lab File ID: VX046331.D Date Analyzed: 05/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:24

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 66629 | 12.018 | | | | |
| UPPER LIMIT | 133258 | 12.518 | | | | |
| LOWER LIMIT | 33314.5 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |
| VPB182-HYD-20250522 | 52108 | 12.02 | | | | |
| BP-VPB-182-EB-20250522 | 52711 | 12.02 | | | | |
| VX0523WBL01 | 57102 | 12.02 | | | | |
| VX0523WBS01 | 65596 | 12.02 | | | | |
| VX0523WBSD01 | 64515 | 12.02 | | | | |

IS4 = 1,4-Dichlorobenzene-d4

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

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




# SAMPLE DATA

Raw Data: **VX046338.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/22/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/22/25 |
| Client Sample ID: | VPB182-HYD-20250522 | SDG No.: | Q2120 |
| Lab Sample ID: | Q2120-01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046338.D | 1 | | 05/23/25 12:33 | VX052325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.60 | J | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.19 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 0.89 | 2.50 | 5.00 | ug/L |

Raw Data: **VX046338.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/22/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/22/25 |
| Client Sample ID: | VPB182-HYD-20250522 | SDG No.: | Q2120 |
| Lab Sample ID: | Q2120-01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046338.D | 1 | | 05/23/25 12:33 | VX052325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 1.50 | | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 54.0 | | 81 - 118 | | 108% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.5 | | 80 - 119 | | 101% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.7 | | 89 - 112 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.5 | | 85 - 114 | | 105% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 61900 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 125000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 121000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 52100 | 12.018 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 75-43-4 | Dichlorofluoromethane | N.D | U | | | | |

Raw Data: **VX046338.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/22/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/22/25 |
| Client Sample ID: | VPB182-HYD-20250522 | SDG No.: | Q2120 |
| Lab Sample ID: | Q2120-01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046338.D | 1 | | 05/23/25 12:33 | VX052325 |

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046338.D
Acq On : 23 May 2025 12:33
Operator : JC/MD
Sample : Q2120-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB182-HYD-20250522

Quant Time: May 23 23:00:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 61857 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 124865 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 120584 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 52108 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 62238 | 53.969 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 107.940% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 45452 | 50.549 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 101.100% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 154540 | 49.658 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 99.320% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 62699 | 52.522 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 105.040% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.380 | 43 | 722 | 1.561 | ug/l | 91 |
| 60) Dibromochloromethane | 9.518 | 129 | 1416 | 1.507 | ug/l | 98 |

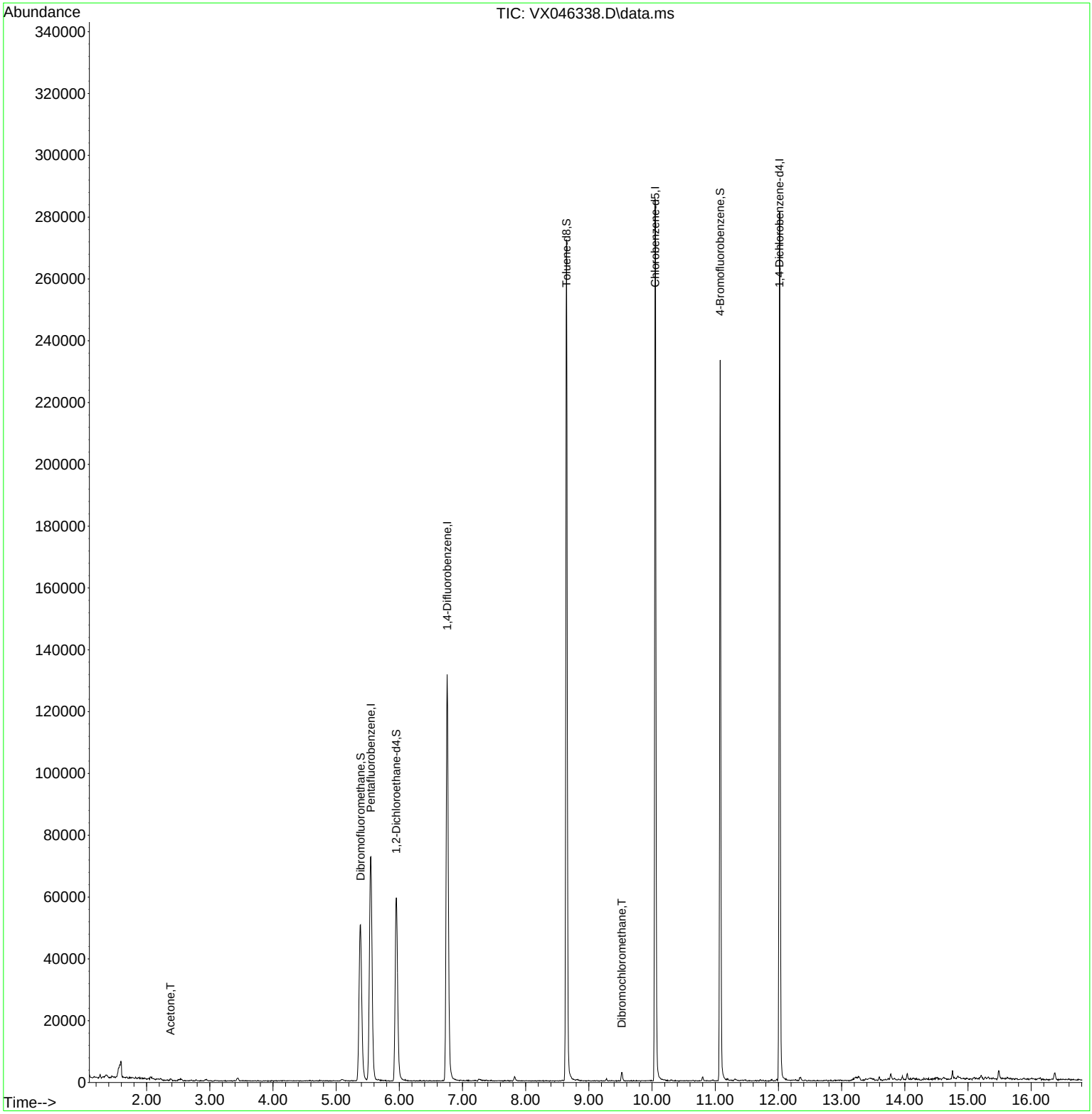
(#) = qualifier out of range (m) = manual integration (+) = signals summed

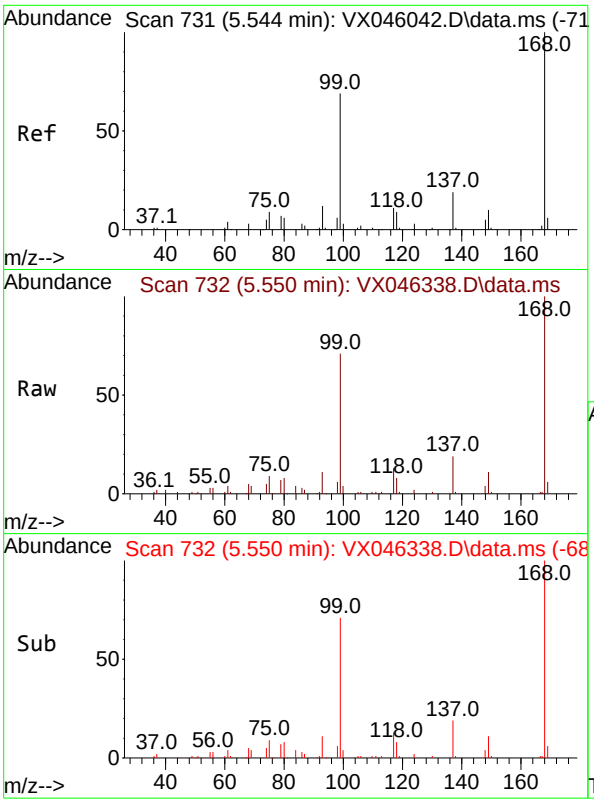
Sample Results: **VX046338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046338.D
Acq On : 23 May 2025 12:33
Operator : JC/MD
Sample : Q2120-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB182-HYD-20250522

Quant Time: May 23 23:00:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



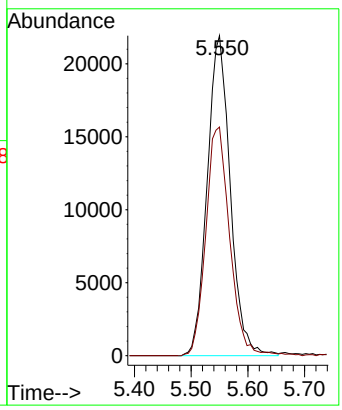


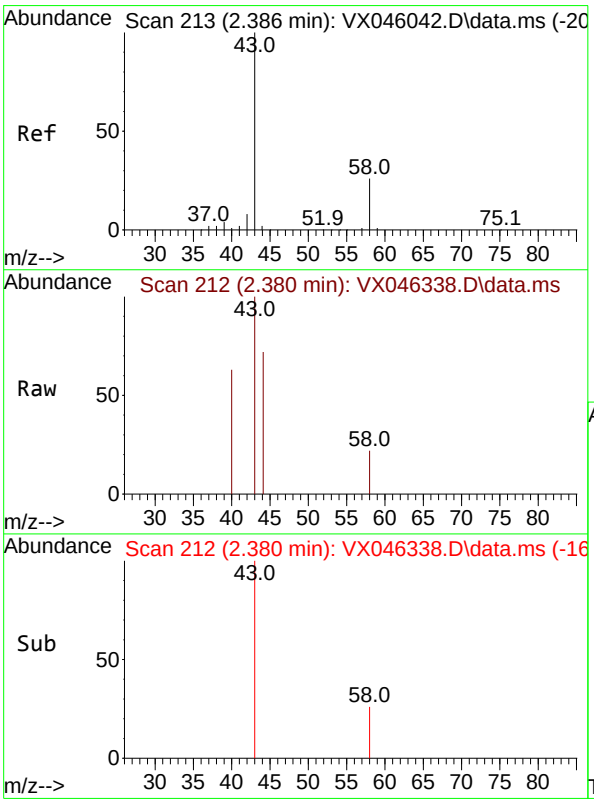

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046338.D
Acq: 23 May 2025 12:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB182-HYD-20250522

Tgt Ion:168 Resp: 61857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 71.5 | 54.9 | 82.3 |

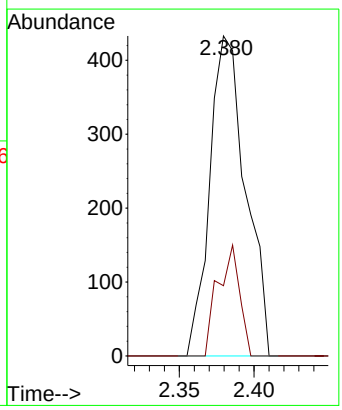


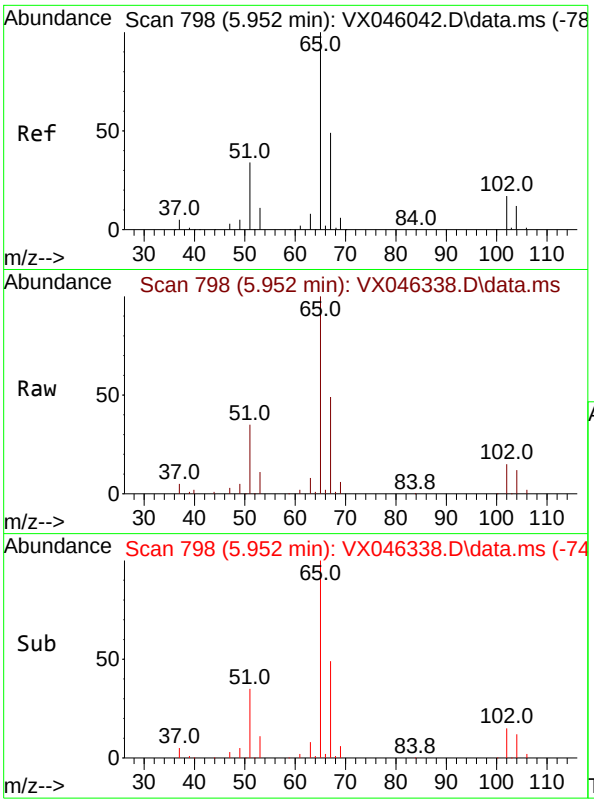




#16
Acetone
Concen: 1.561 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046338.D
Acq: 23 May 2025 12:33

Tgt Ion: 43 Resp: 722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.9 | 21.2 | 31.8 |



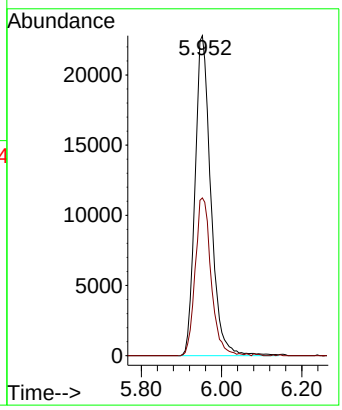


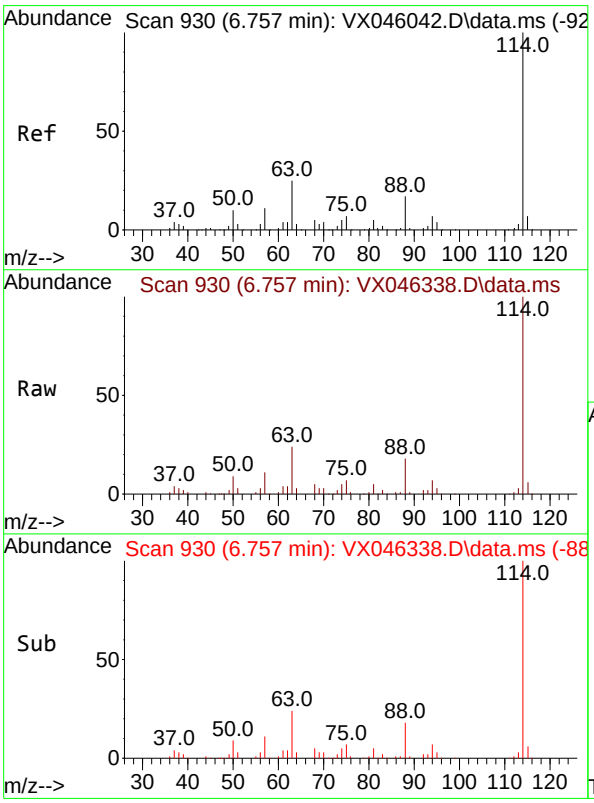

#33
1,2-Dichloroethane-d4
Concen: 53.969 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046338.D
Acq: 23 May 2025 12:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB182-HYD-20250522

Tgt Ion: 65 Resp: 62238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.7 | 0.0 | 99.0 |

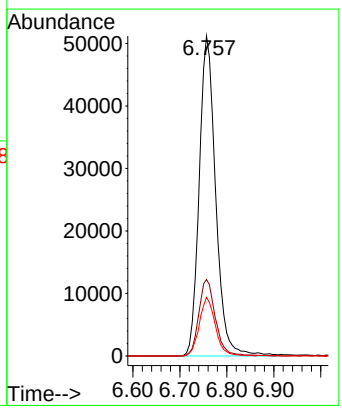


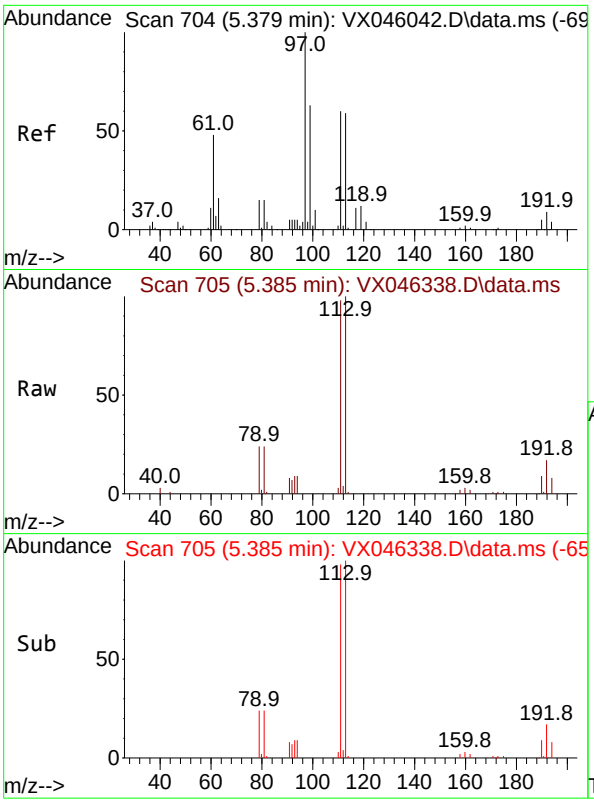




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046338.D
Acq: 23 May 2025 12:33

Tgt Ion:114 Resp: 124865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.9 | 0.0 | 49.2 |
| 88 | 18.3 | 0.0 | 33.6 |



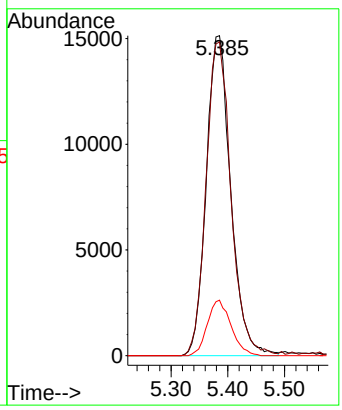


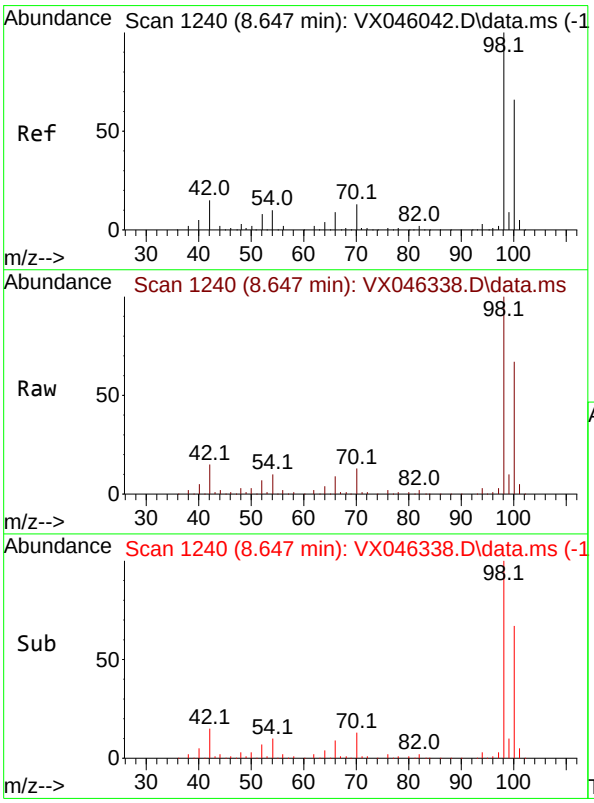

#35
Dibromofluoromethane
Concen: 50.549 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046338.D
Acq: 23 May 2025 12:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB182-HYD-20250522

Tgt Ion:113 Resp: 45452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.7 | 83.1 | 124.7 |
| 192 | 16.8 | 13.3 | 19.9 |

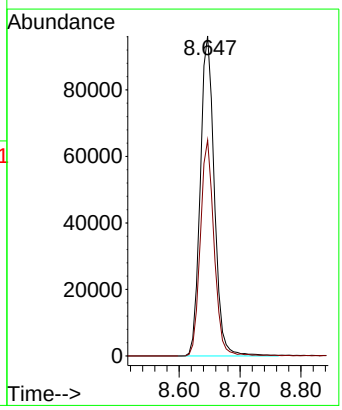


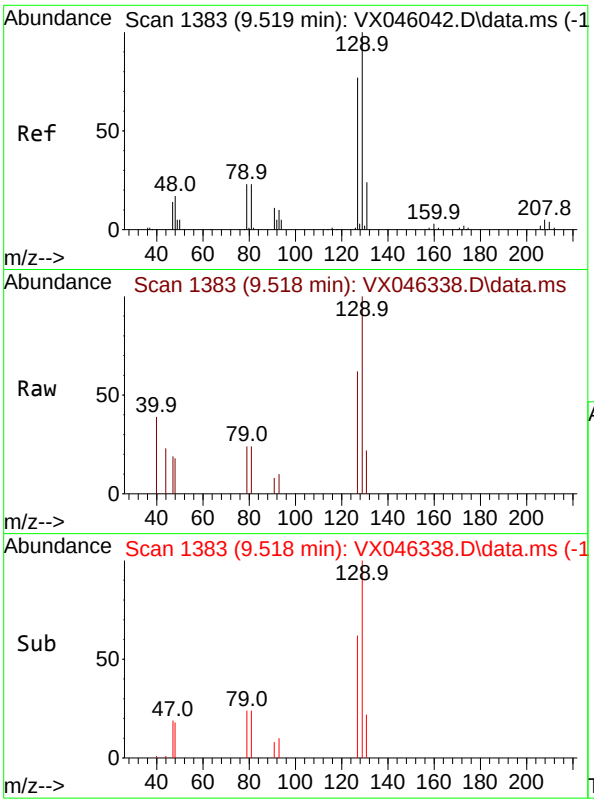




#50
Toluene-d8
Concen: 49.658 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046338.D
Acq: 23 May 2025 12:33

Tgt Ion: 98 Resp: 154540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.9 | 53.5 | 80.3 |



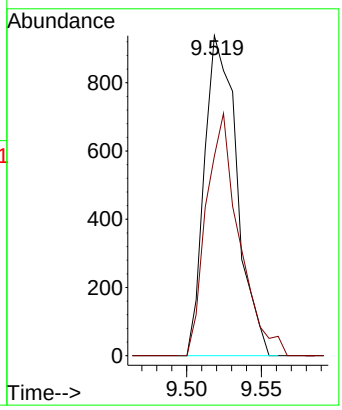


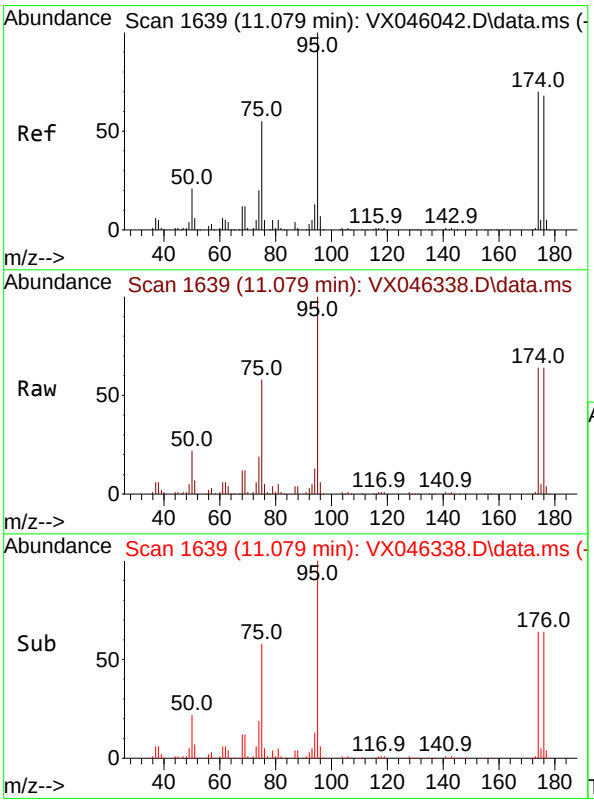

#60
Dibromochloromethane
Concen: 1.507 ug/l
RT: 9.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046338.D
Acq: 23 May 2025 12:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB182-HYD-20250522

Tgt Ion:129 Resp: 1416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.0 | 39.3 | 117.8 |

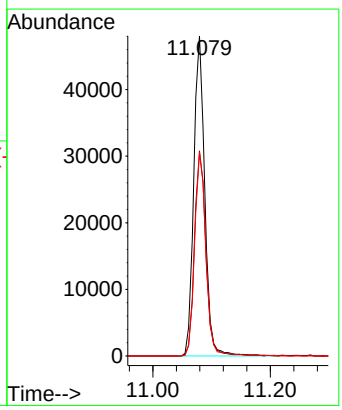


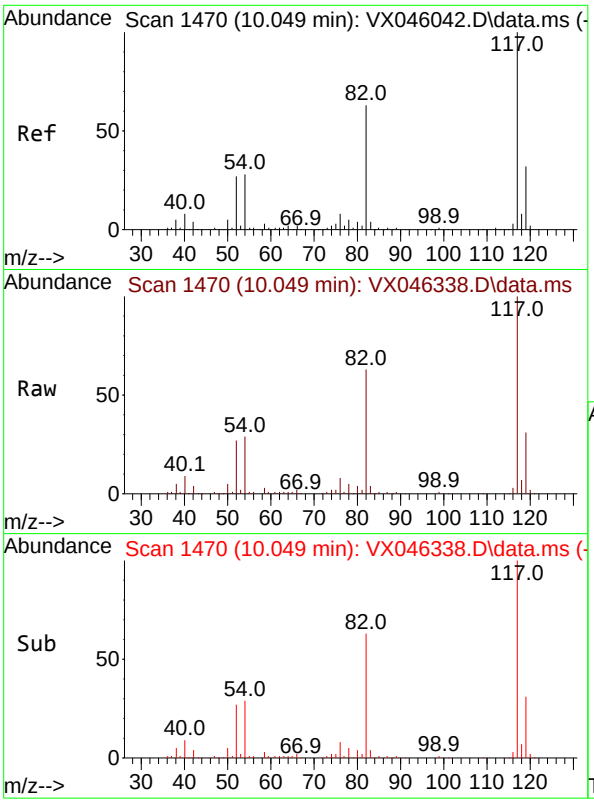




#62
4-Bromofluorobenzene
Concen: 52.522 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046338.D
Acq: 23 May 2025 12:33

Tgt Ion: 95 Resp: 62699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 66.0 | 0.0 | 135.8 |
| 176 | 64.8 | 0.0 | 131.4 |



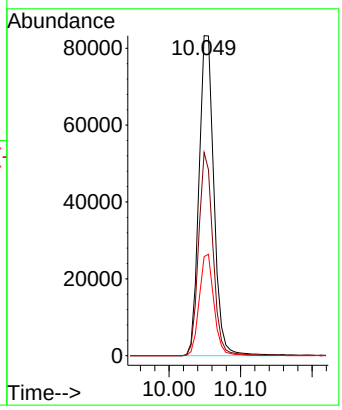


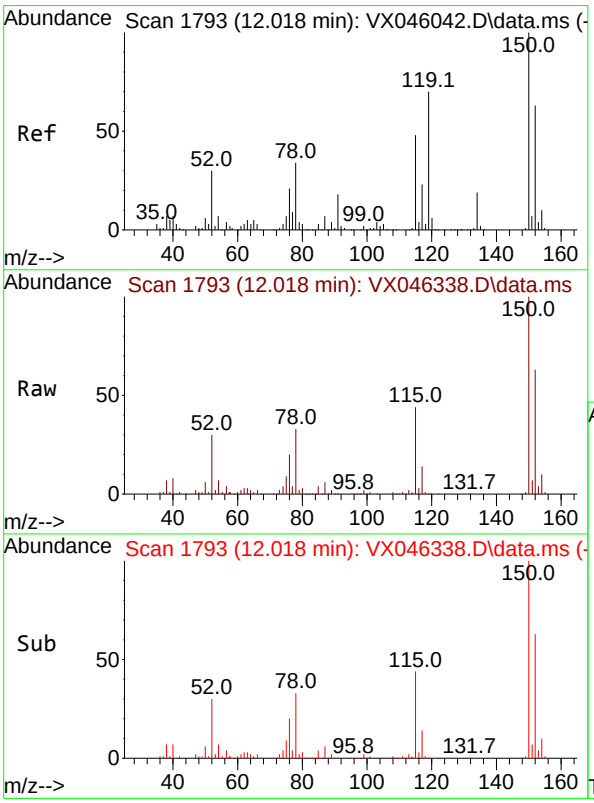

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046338.D
Acq: 23 May 2025 12:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB182-HYD-20250522

Tgt Ion:117 Resp: 120584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 63.5 | 50.6 | 76.0 |
| 119 | 31.0 | 25.8 | 38.6 |

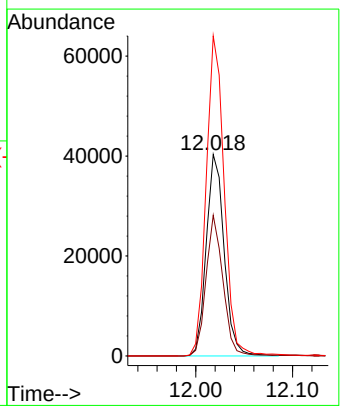



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046338.D
Acq: 23 May 2025 12:33

Tgt Ion:152 Resp: 52108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 66.6 | 46.9 | 140.7 |
| 150 | 159.1 | 0.0 | 351.0 |



Sample Results: **VX046338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046338.D
Acq On : 23 May 2025 12:33
Operator : JC/MD
Sample : Q2120-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB182-HYD-20250522

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\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046338.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.593 | 81 | 83 | 87 | rVB2 | 5238 | 5916 | 1.36% | 0.250% |
| 2 | 5.385 | 693 | 705 | 721 | rBV | 50513 | 151233 | 34.78% | 6.396% |
| 3 | 5.550 | 721 | 732 | 745 | rVV | 72251 | 209695 | 48.23% | 8.869% |
| 4 | 5.952 | 787 | 798 | 815 | rBV2 | 59326 | 162338 | 37.34% | 6.866% |
| 5 | 6.757 | 921 | 930 | 945 | rBV | 131388 | 316896 | 72.89% | 13.403% |
| 6 | 8.647 | 1233 | 1240 | 1254 | rBV | 272096 | 434768 | 100.00% | 18.388% |
| 7 | 9.519 | 1378 | 1383 | 1389 | rBV3 | 2838 | 4765 | 1.10% | 0.202% |
| 8 | 10.049 | 1465 | 1470 | 1486 | rBV | 285394 | 406176 | 93.42% | 17.179% |
| 9 | 11.079 | 1634 | 1639 | 1654 | rBV | 233126 | 303977 | 69.92% | 12.857% |
| 10 | 12.018 | 1788 | 1793 | 1809 | rBV | 281155 | 358034 | 82.35% | 15.143% |
| 11 | 15.487 | 2357 | 2362 | 2370 | rBV4 | 2984 | 5701 | 1.31% | 0.241% |
| 12 | 16.377 | 2503 | 2508 | 2516 | rVB5 | 2428 | 4871 | 1.12% | 0.206% |

Sum of corrected areas: 2364370

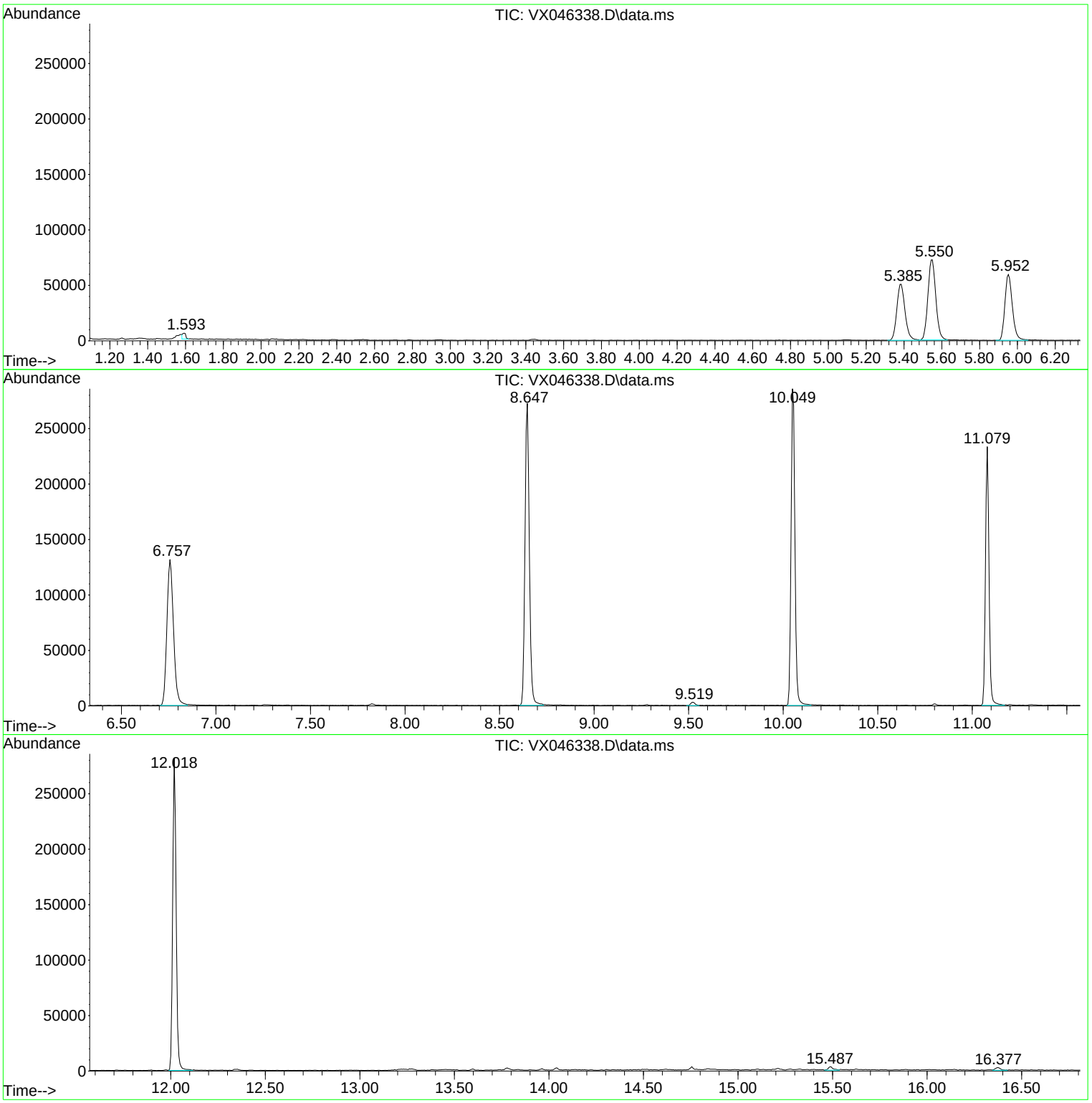
Sample Results: **VX046338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046338.D
Acq On : 23 May 2025 12:33
Operator : JC/MD
Sample : Q2120-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB182-HYD-20250522

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX046338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046338.D
Acq On : 23 May 2025 12:33
Operator : JC/MD
Sample : Q2120-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB182-HYD-20250522

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

Sample Results: **VX046338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046338.D
Acq On : 23 May 2025 12:33
Operator : JC/MD
Sample : Q2120-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VPB182-HYD-20250522

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

Raw Data: **VX046356.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/22/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/22/25 |
| Client Sample ID: | BP-VPB-182-EB-20250522 | SDG No.: | Q2120 |
| Lab Sample ID: | Q2120-02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046356.D | 1 | | 05/23/25 19:32 | VX052325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 15.4 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.19 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 0.89 | 2.50 | 5.00 | ug/L |

Raw Data: **VX046356.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/22/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/22/25 |
| Client Sample ID: | BP-VPB-182-EB-20250522 | SDG No.: | Q2120 |
| Lab Sample ID: | Q2120-02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046356.D | 1 | | 05/23/25 19:32 | VX052325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 53.6 | | 81 - 118 | | 107% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.5 | | 80 - 119 | | 101% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.7 | | 89 - 112 | | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.0 | | 85 - 114 | | 102% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 63800 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 128000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 124000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 52700 | 12.018 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 75-43-4 | Dichlorofluoromethane | N.D | U | | | | |

Raw Data: **VX046356.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/22/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/22/25 |
| Client Sample ID: | BP-VPB-182-EB-20250522 | SDG No.: | Q2120 |
| Lab Sample ID: | Q2120-02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046356.D | 1 | | 05/23/25 19:32 | VX052325 |

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046356.D
Acq On : 23 May 2025 19:32
Operator : JC/MD
Sample : Q2120-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-182-EB-20250522

Quant Time: May 23 23:07:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

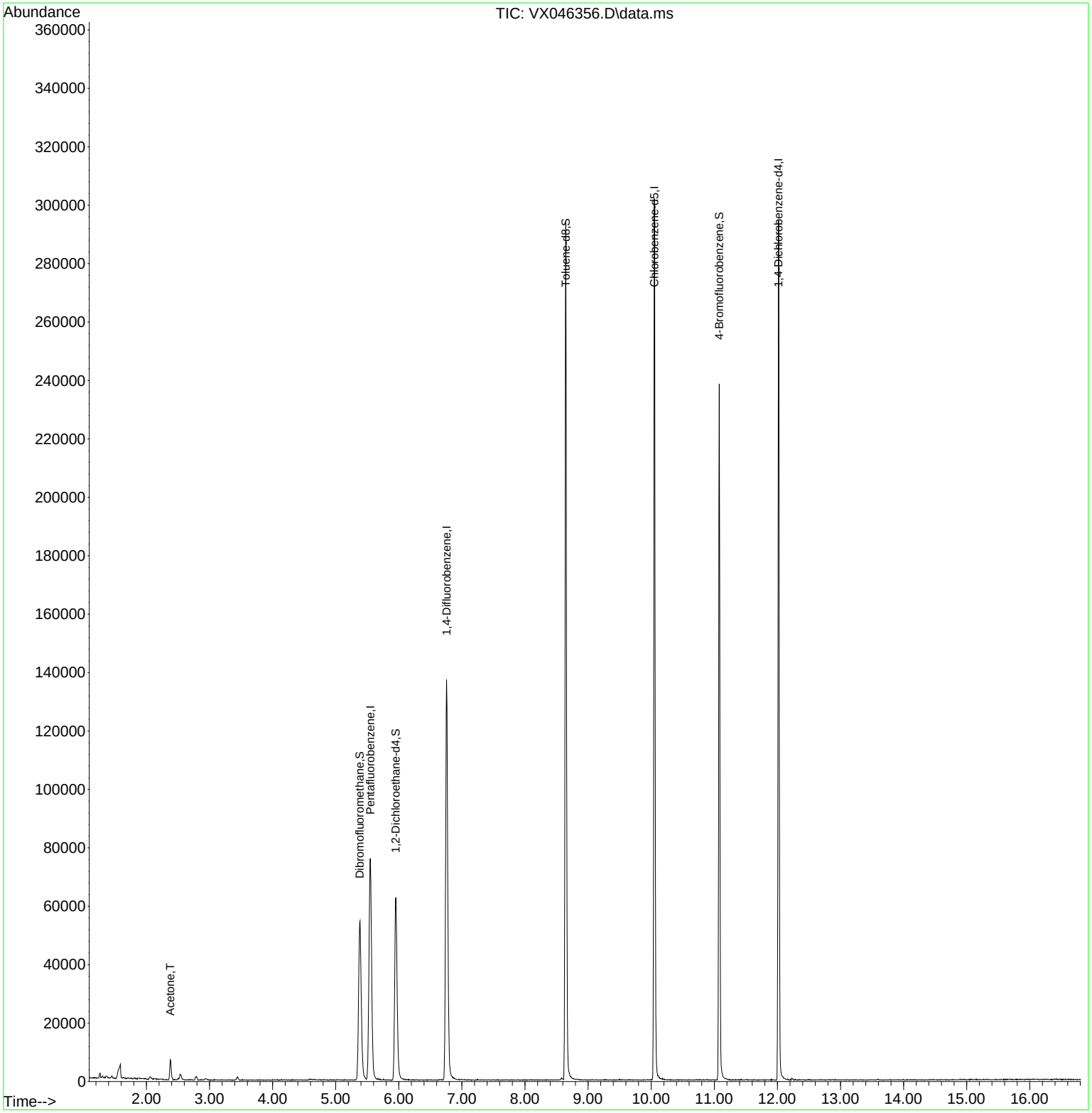
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 63849 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 127611 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 124029 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 52711 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 63837 | 53.629 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 107.260% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 46419 | 50.514 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 101.020% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 161254 | 50.700 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.400% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 62194 | 50.978 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 101.960% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.380 | 43 | 7341 | 15.381 | ug/l | 99 |

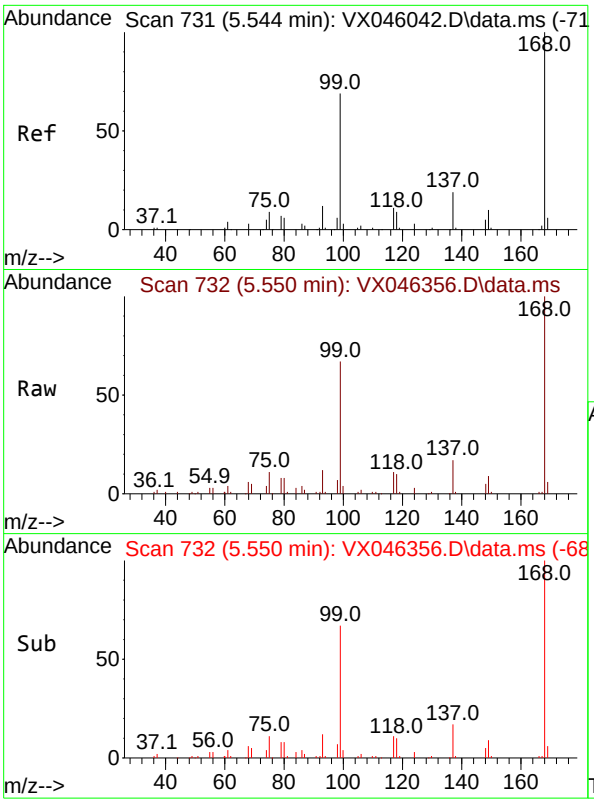
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046356.D
Acq On : 23 May 2025 19:32
Operator : JC/MD
Sample : Q2120-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-182-EB-20250522

Quant Time: May 23 23:07:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



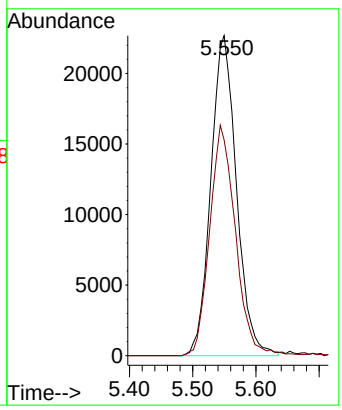


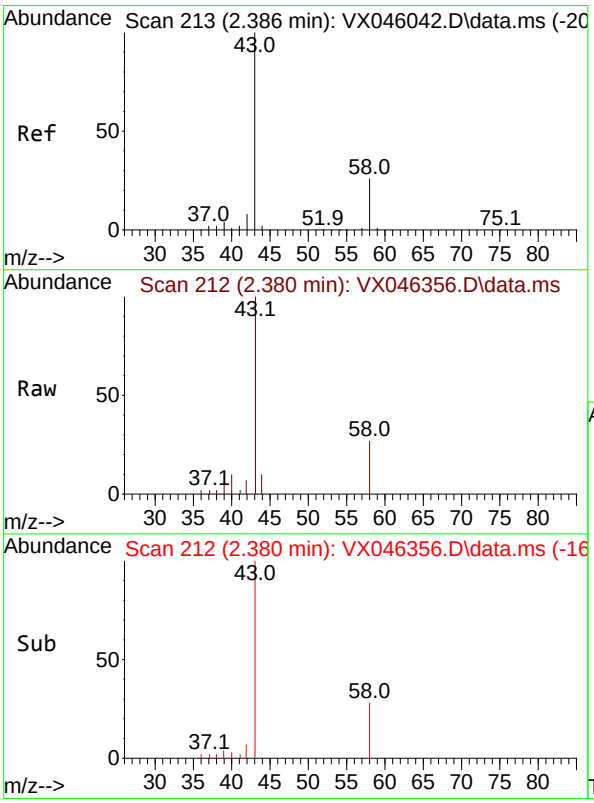

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046356.D
Acq: 23 May 2025 19:32

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-182-EB-20250522

Tgt Ion:168 Resp: 63849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.4 | 54.9 | 82.3 |

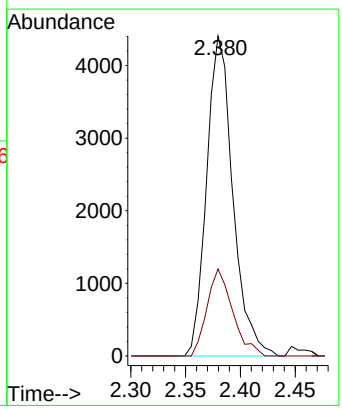


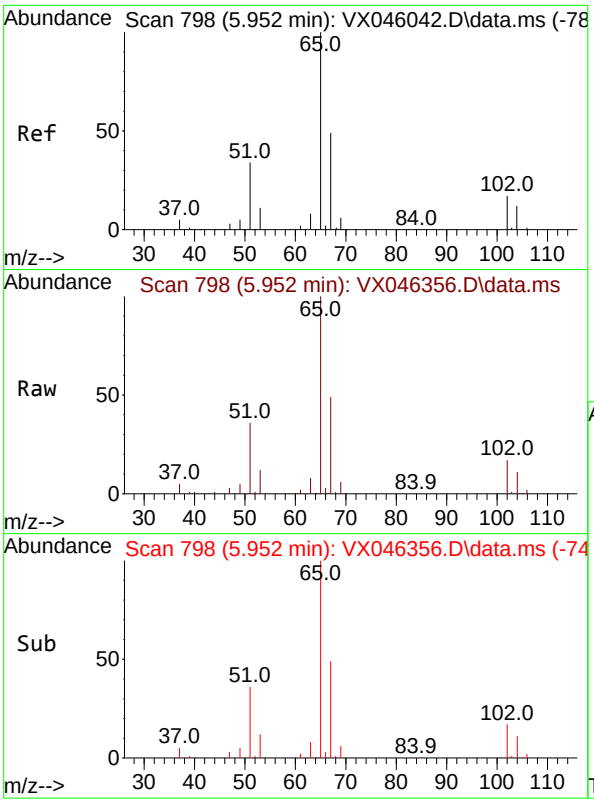




#16
Acetone
Concen: 15.381 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046356.D
Acq: 23 May 2025 19:32

Tgt Ion: 43 Resp: 7341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.2 | 21.2 | 31.8 |



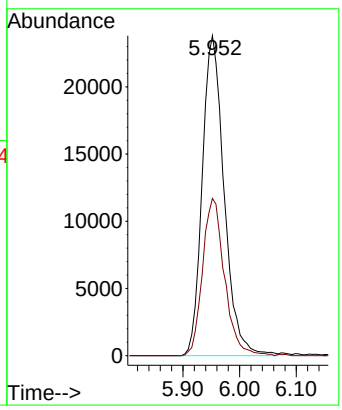


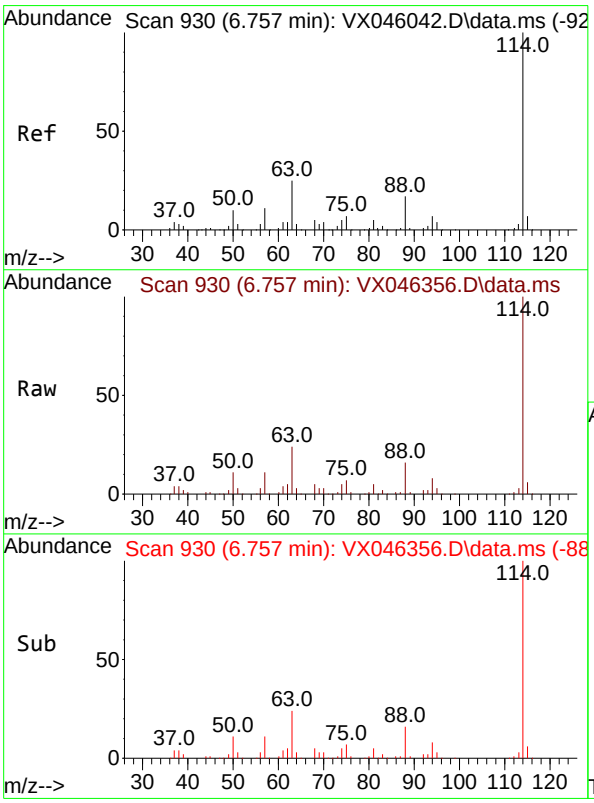

#33
1,2-Dichloroethane-d4
Concen: 53.629 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046356.D
Acq: 23 May 2025 19:32

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-182-EB-20250522

Tgt Ion: 65 Resp: 63837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.3 | 0.0 | 99.0 |

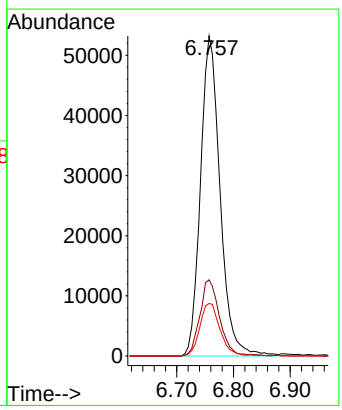


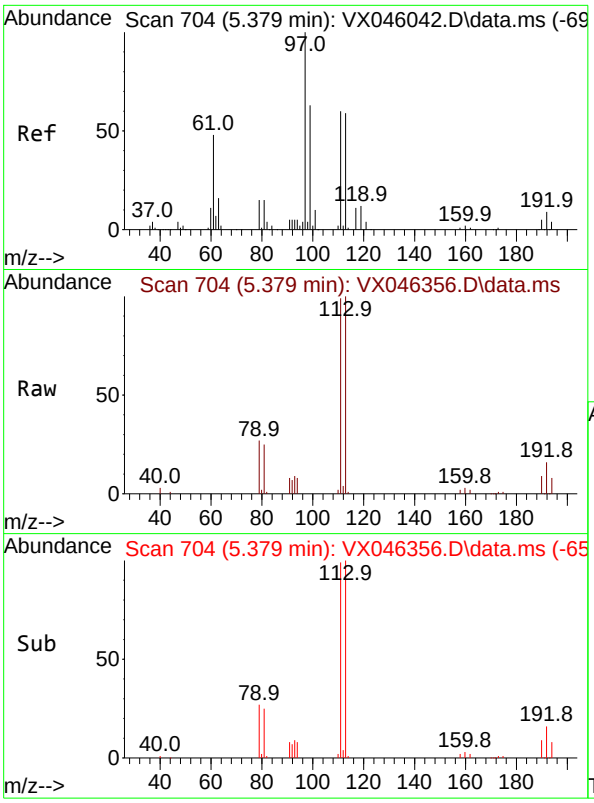




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046356.D
Acq: 23 May 2025 19:32

Tgt Ion:114 Resp: 127611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.8 | 0.0 | 49.2 |
| 88 | 16.4 | 0.0 | 33.6 |



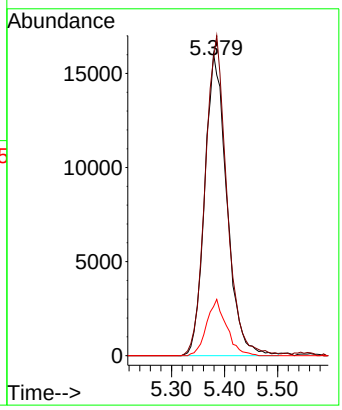


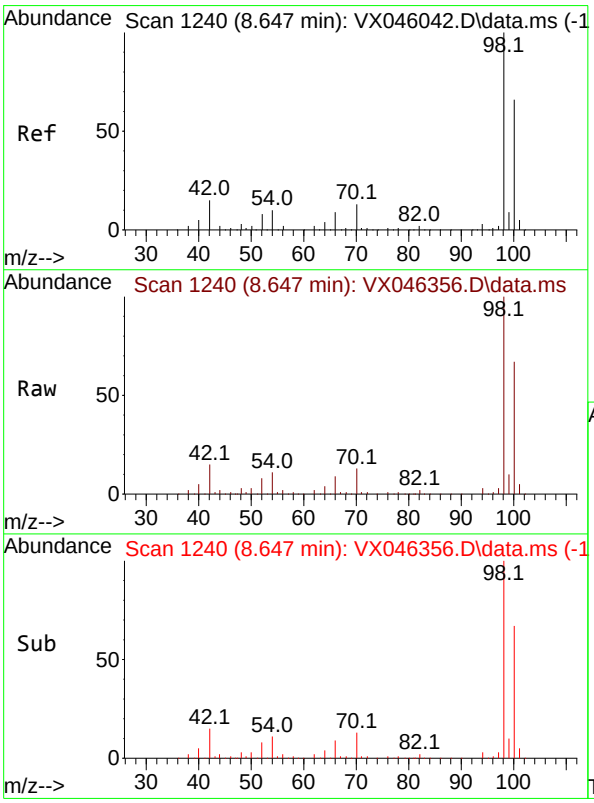

#35
Dibromofluoromethane
Concen: 50.514 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046356.D
Acq: 23 May 2025 19:32

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-182-EB-20250522

Tgt Ion:113 Resp: 46419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.2 | 83.1 | 124.7 |
| 192 | 16.9 | 13.3 | 19.9 |

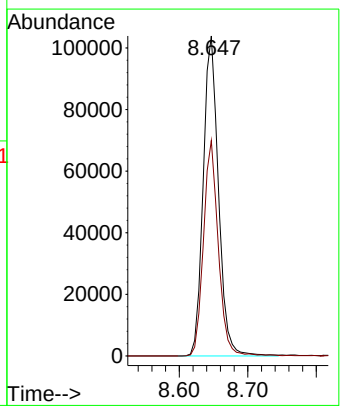


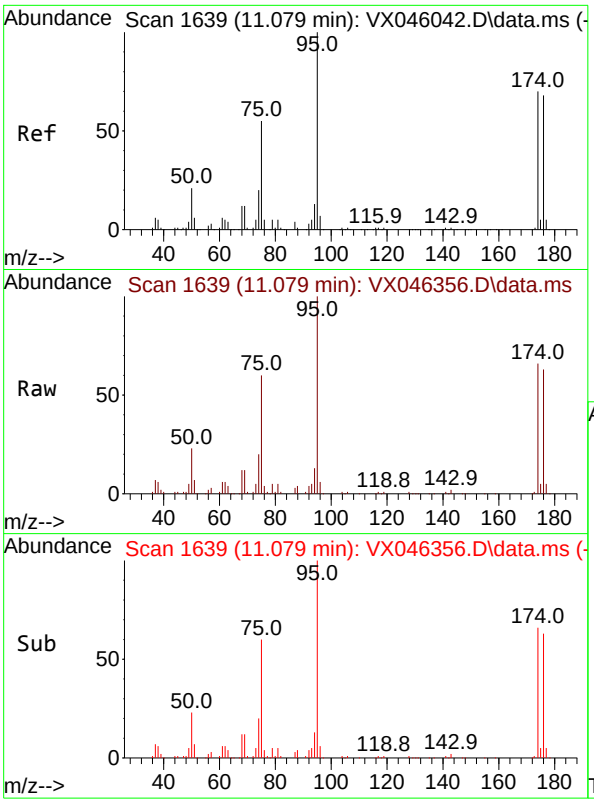




#50
Toluene-d8
Concen: 50.700 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046356.D
Acq: 23 May 2025 19:32

Tgt Ion: 98 Resp: 161254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.3 | 53.5 | 80.3 |



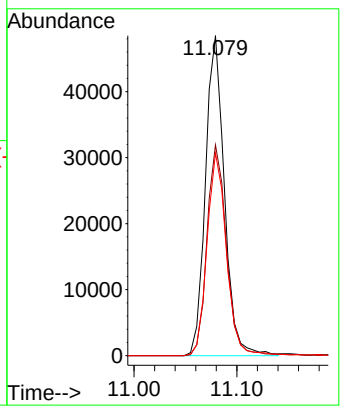


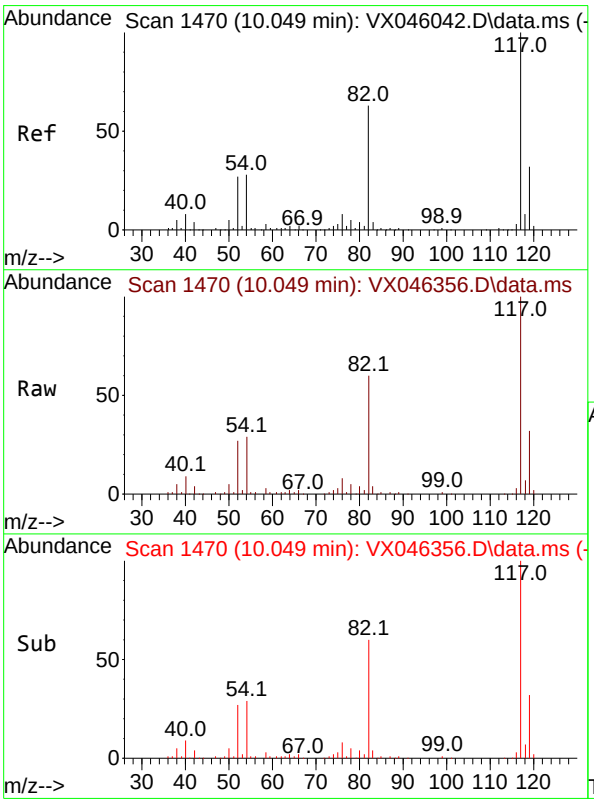

#62
4-Bromofluorobenzene
Concen: 50.978 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046356.D
Acq: 23 May 2025 19:32

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-182-EB-20250522

Tgt Ion: 95 Resp: 62194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.5 | 0.0 | 135.8 |
| 176 | 65.2 | 0.0 | 131.4 |

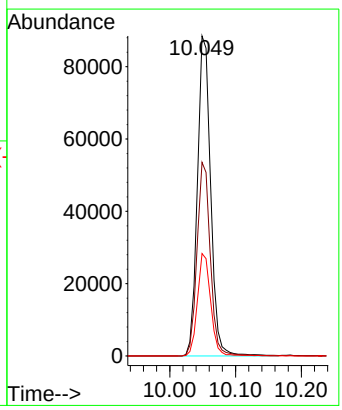


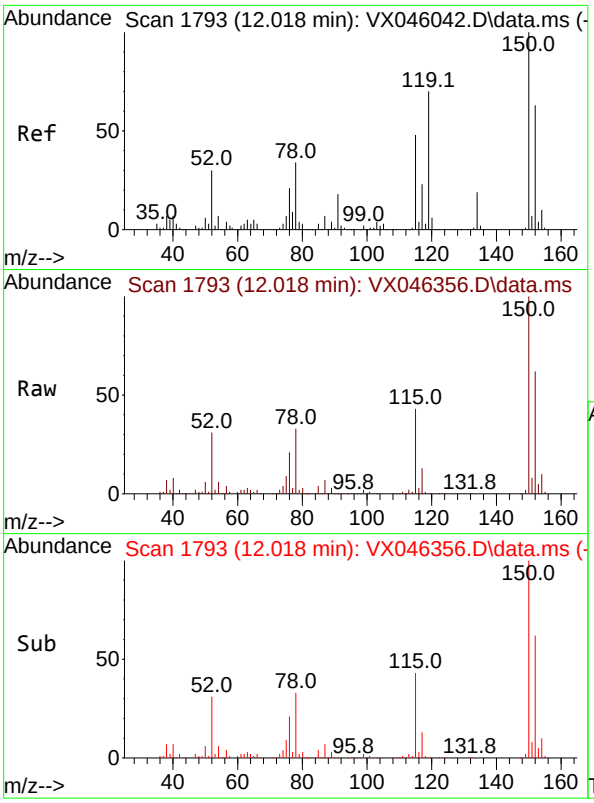




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046356.D
Acq: 23 May 2025 19:32

Tgt Ion:117 Resp: 124029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.5 | 50.6 | 76.0 |
| 119 | 32.0 | 25.8 | 38.6 |



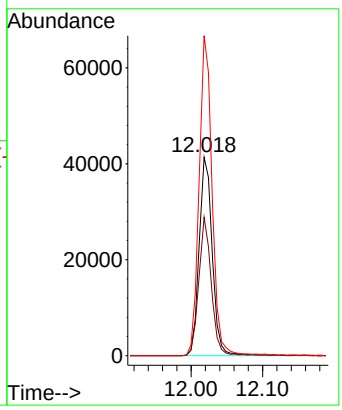



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046356.D
Acq: 23 May 2025 19:32

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-182-EB-20250522

Tgt Ion:152 Resp: 52711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 67.0 | 46.9 | 140.7 |
| 150 | 160.2 | 0.0 | 351.0 |



Sample Results: **VX046356.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046356.D
Acq On : 23 May 2025 19:32
Operator : JC/MD
Sample : Q2120-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-182-EB-20250522

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\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046356.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.587 | 69 | 82 | 85 | rBV3 | 4983 | 12628 | 2.76% | 0.516% |
| 2 | 2.380 | 206 | 212 | 219 | rBV | 6820 | 11235 | 2.46% | 0.459% |
| 3 | 5.385 | 693 | 705 | 721 | rBV | 54363 | 159027 | 34.81% | 6.499% |
| 4 | 5.550 | 721 | 732 | 748 | rVV2 | 75552 | 217158 | 47.54% | 8.874% |
| 5 | 5.952 | 788 | 798 | 817 | rBV | 62592 | 167503 | 36.67% | 6.845% |
| 6 | 6.757 | 921 | 930 | 945 | rBV | 137091 | 325833 | 71.33% | 13.316% |
| 7 | 8.647 | 1234 | 1240 | 1258 | rBV | 293264 | 456790 | 100.00% | 18.667% |
| 8 | 10.049 | 1465 | 1470 | 1487 | rBV | 301530 | 420680 | 92.09% | 17.192% |
| 9 | 11.079 | 1634 | 1639 | 1654 | rBV | 238298 | 310157 | 67.90% | 12.675% |
| 10 | 12.018 | 1788 | 1793 | 1806 | rBV | 294246 | 365981 | 80.12% | 14.956% |

Sum of corrected areas: 2446992

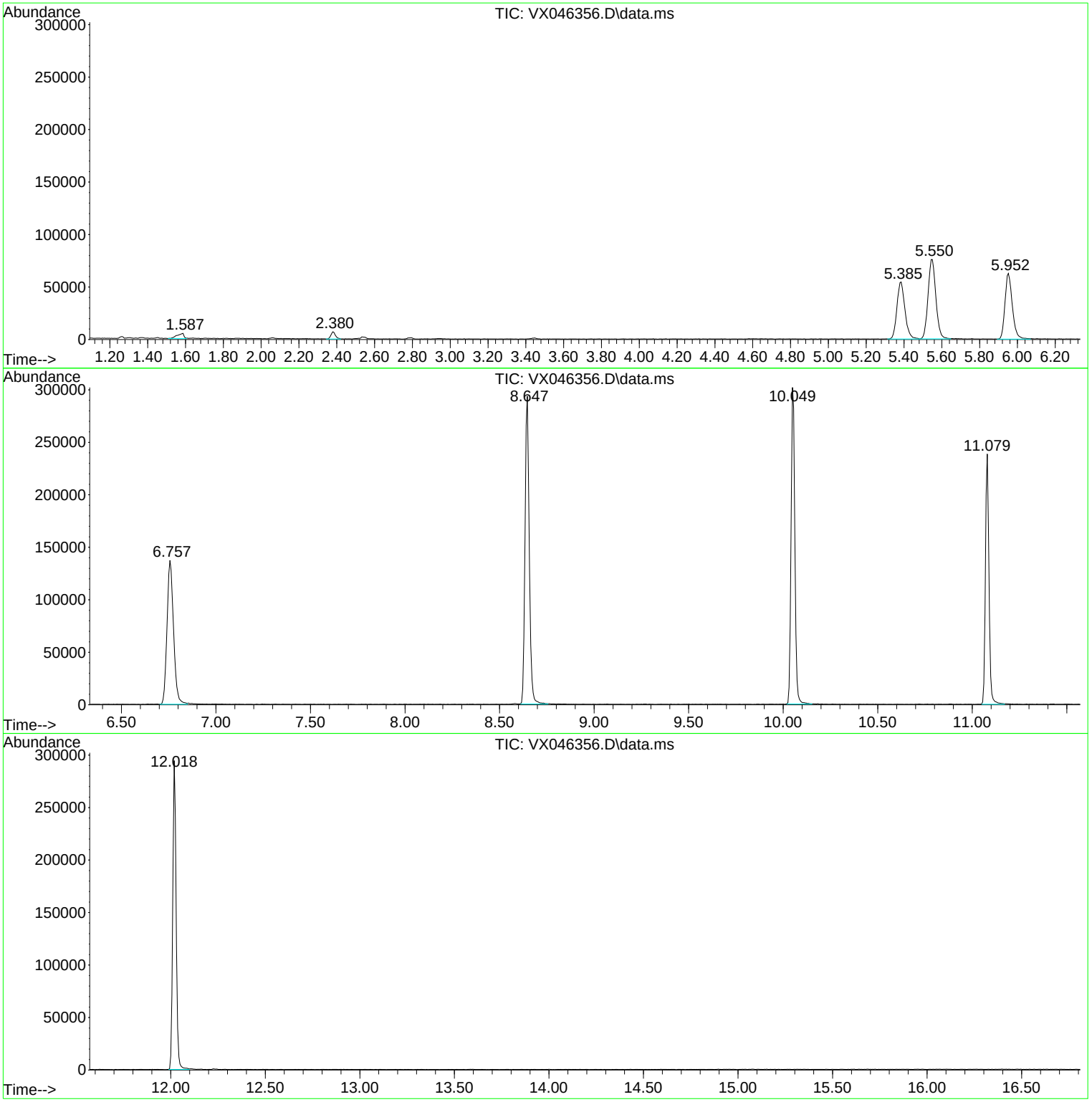
Sample Results: **VX046356.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046356.D
Acq On : 23 May 2025 19:32
Operator : JC/MD
Sample : Q2120-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-182-EB-20250522

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX046356.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046356.D
Acq On : 23 May 2025 19:32
Operator : JC/MD
Sample : Q2120-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-182-EB-20250522

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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\VX052325\
Data File : VX046356.D
Acq On : 23 May 2025 19:32
Operator : JC/MD
Sample : Q2120-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-182-EB-20250522

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

# CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2120 SAS No.: Q2120 SDG No.: Q2120

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

| COMPOUND | RRF020 | RRF050 | RRF100 | RRF150 | RRF005 | RRF001 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Chloromethane | 0.727 | 0.775 | 0.787 | 0.791 | 0.679 | 0.694 | 0.742 | 6.6 |
| Vinyl Chloride | 0.660 | 0.710 | 0.727 | 0.755 | 0.619 | 0.673 | 0.691 | 7.2 |
| Bromomethane | 0.296 | 0.326 | 0.340 | 0.334 | 0.305 | | 0.320 | 5.8 |
| Chloroethane | 0.354 | 0.378 | 0.329 | 0.317 | 0.368 | 0.467 | 0.369 | 14.4 |
| Trichlorofluoromethane | 1.035 | 1.068 | 0.983 | 0.985 | 0.990 | 1.064 | 1.021 | 3.9 |
| 1,1,2-Trichlorotrifluoroethane | 0.628 | 0.641 | 0.629 | 0.648 | 0.610 | 0.633 | 0.632 | 2.1 |
| 1,1-Dichloroethene | 0.565 | 0.601 | 0.607 | 0.625 | 0.567 | 0.594 | 0.593 | 3.9 |
| Acetone | 0.361 | 0.362 | 0.361 | 0.370 | 0.408 | 0.380 | 0.374 | 4.9 |
| Carbon Disulfide | 1.295 | 1.455 | 1.522 | 1.597 | 1.141 | 1.423 | 1.406 | 11.7 |
| Methyl tert-butyl Ether | 2.044 | 2.160 | 2.172 | 2.239 | 1.908 | 1.949 | 2.079 | 6.4 |
| Methylene Chloride | 0.689 | 0.684 | 0.691 | 0.691 | 0.689 | 0.853 | 0.716 | 9.4 |
| trans-1,2-Dichloroethene | 0.573 | 0.610 | 0.612 | 0.622 | 0.557 | 0.604 | 0.596 | 4.3 |
| 1,1-Dichloroethane | 1.233 | 1.263 | 1.263 | 1.286 | 1.154 | 1.116 | 1.219 | 5.6 |
| 2-Butanone | 0.540 | 0.555 | 0.558 | 0.569 | 0.539 | 0.495 | 0.543 | 4.8 |
| Carbon Tetrachloride | 0.528 | 0.558 | 0.552 | 0.577 | 0.505 | 0.541 | 0.544 | 4.6 |
| cis-1,2-Dichloroethene | 0.716 | 0.737 | 0.738 | 0.755 | 0.642 | 0.719 | 0.718 | 5.5 |
| Chloroform | 1.287 | 1.296 | 1.277 | 1.300 | 1.199 | 1.265 | 1.271 | 3 |
| 1,1,1-Trichloroethane | 1.106 | 1.131 | 1.155 | 1.188 | 1.013 | 1.015 | 1.101 | 6.6 |
| Methylcyclohexane | 0.596 | 0.641 | 0.627 | 0.658 | 0.587 | 0.627 | 0.623 | 4.3 |
| Benzene | 1.426 | 1.474 | 1.441 | 1.477 | 1.337 | 1.348 | 1.417 | 4.3 |
| 1,2-Dichloroethane | 0.632 | 0.627 | 0.611 | 0.625 | 0.594 | 0.579 | 0.612 | 3.5 |
| Trichloroethene | 0.344 | 0.355 | 0.345 | 0.362 | 0.315 | 0.324 | 0.341 | 5.3 |
| 1,2-Dichloropropane | 0.356 | 0.371 | 0.368 | 0.378 | 0.324 | 0.317 | 0.352 | 7.4 |
| Bromodichloromethane | 0.557 | 0.577 | 0.573 | 0.594 | 0.498 | 0.485 | 0.547 | 8.2 |
| 4-Methyl-2-Pentanone | 0.620 | 0.634 | 0.630 | 0.631 | 0.555 | 0.561 | 0.605 | 6 |
| Toluene | 0.884 | 0.898 | 0.885 | 0.904 | 0.838 | 0.803 | 0.869 | 4.5 |
| t-1,3-Dichloropropene | 0.468 | 0.528 | 0.555 | 0.591 | 0.406 | 0.371 | 0.487 | 17.9 |
| cis-1,3-Dichloropropene | 0.531 | 0.578 | 0.602 | 0.623 | 0.469 | 0.423 | 0.538 | 14.6 |
| 1,1,2-Trichloroethane | 0.349 | 0.354 | 0.351 | 0.356 | 0.337 | 0.308 | 0.343 | 5.3 |
| 2-Hexanone | 0.466 | 0.473 | 0.477 | 0.473 | 0.414 | 0.385 | 0.448 | 8.7 |

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

Raw Data

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

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2120 SAS No.: Q2120 SDG No.: Q2120

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

| COMPOUND | RRF020 | RRF050 | RRF100 | RRF150 | RRF005 | RRF001 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane | 0.378 | 0.400 | 0.415 | 0.431 | 0.326 | 0.306 | 0.376 | 13.3 |
| Tetrachloroethene | 0.390 | 0.375 | 0.345 | 0.344 | 0.323 | 0.347 | 0.354 | 6.8 |
| Chlorobenzene | 1.093 | 1.098 | 1.085 | 1.114 | 1.046 | 1.131 | 1.094 | 2.7 |
| Ethyl Benzene | 1.919 | 2.022 | 1.979 | 2.036 | 1.816 | 1.803 | 1.929 | 5.2 |
| m/p-Xylenes | 0.706 | 0.740 | 0.721 | 0.740 | 0.678 | 0.648 | 0.706 | 5.2 |
| o-Xylene | 0.688 | 0.727 | 0.706 | 0.726 | 0.639 | 0.642 | 0.688 | 5.7 |
| Styrene | 1.135 | 1.219 | 1.214 | 1.230 | 1.012 | 0.951 | 1.127 | 10.6 |
| Bromoform | 0.270 | 0.304 | 0.312 | 0.327 | 0.236 | 0.234 | 0.281 | 14.2 |
| Isopropylbenzene | 3.843 | 4.130 | 3.876 | 4.156 | 3.562 | 3.789 | 3.893 | 5.7 |
| 1,1,2,2-Tetrachloroethane | 1.315 | 1.338 | 1.284 | 1.345 | 1.350 | 1.552 | 1.364 | 7 |
| 1,3-Dichlorobenzene | 1.633 | 1.701 | 1.656 | 1.730 | 1.558 | 1.619 | 1.649 | 3.7 |
| 1,4-Dichlorobenzene | 1.629 | 1.693 | 1.639 | 1.722 | 1.606 | 1.817 | 1.684 | 4.6 |
| 1,2-Dichlorobenzene | 1.613 | 1.696 | 1.634 | 1.702 | 1.577 | 1.710 | 1.655 | 3.3 |
| 1,2-Dichloroethane-d4 | 0.953 | 0.910 | 0.930 | 0.932 | 0.935 | | 0.932 | 1.6 |
| Dibromofluoromethane | 0.359 | 0.355 | 0.364 | 0.368 | 0.354 | | 0.360 | 1.7 |
| Toluene-d8 | 1.246 | 1.223 | 1.266 | 1.275 | 1.221 | | 1.246 | 2 |
| 4-Bromofluorobenzene | 0.455 | 0.470 | 0.500 | 0.500 | 0.464 | | 0.478 | 4.4 |

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

# Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025
Response Via : Initial Calibration

Calibration Files
1 =VX046047.D 5 =VX046046.D 20 =VX046041.D 50 =VX046042.D 100 =VX046043.D 150 =VX046044.D

| | | Compound | 1 | 5 | 20 | 50 | 100 | 150 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Pentafluorobenzene | ----------ISTD---------- | | | | | | | |
| 2) | T | Dichlorodifluo... | 0.658 | 0.639 | 0.697 | 0.864 | 0.859 | 0.875 | 0.765 | 14.62 |
| 3) | P | Chloromethane | 0.694 | 0.679 | 0.727 | 0.775 | 0.787 | 0.791 | 0.742 | 6.58 |
| 4) | C | Vinyl Chloride | 0.673 | 0.619 | 0.660 | 0.710 | 0.727 | 0.755 | 0.691 | 7.17# |
| 5) | T | Bromomethane | | 0.305 | 0.296 | 0.326 | 0.340 | 0.334 | 0.320 | 5.84 |
| 6) | T | Chloroethane | 0.467 | 0.368 | 0.354 | 0.378 | 0.329 | 0.317 | 0.369 | 14.44 |
| 7) | T | Trichlorofluor... | 1.064 | 0.990 | 1.035 | 1.068 | 0.983 | 0.985 | 1.021 | 3.92 |
| 8) | T | Diethyl Ether | 0.403 | 0.311 | 0.340 | 0.337 | 0.338 | 0.355 | 0.347 | 8.83 |
| 9) | T | 1,1,2-Trichlor... | 0.633 | 0.610 | 0.628 | 0.641 | 0.629 | 0.648 | 0.632 | 2.10 |
| 10) | T | Methyl Iodide | | 0.608 | 0.767 | 0.806 | 0.793 | 0.763 | 0.747 | 10.68 |
| 11) | T | Tert butyl alc... | | 0.114 | 0.122 | 0.129 | 0.144 | 0.146 | 0.131 | 10.45 |
| 12) | CM | 1,1-Dichloroet... | 0.594 | 0.567 | 0.565 | 0.601 | 0.607 | 0.625 | 0.593 | 3.94# |
| 13) | T | Acrolein | | 0.117 | 0.158 | 0.152 | 0.154 | 0.163 | 0.149 | 12.33 |
| 14) | T | Allyl chloride | 1.052 | 1.058 | 1.127 | 1.179 | 1.187 | 1.196 | 1.133 | 5.75 |
| 15) | T | Acrylonitrile | 0.363 | 0.345 | 0.378 | 0.388 | 0.381 | 0.390 | 0.374 | 4.52 |
| 16) | T | Acetone | 0.380 | 0.408 | 0.361 | 0.362 | 0.361 | 0.370 | 0.374 | 4.90 |
| 17) | T | Carbon Disulfide | 1.423 | 1.141 | 1.295 | 1.455 | 1.522 | 1.597 | 1.406 | 11.68 |
| 18) | T | Methyl Acetate | 1.006 | 0.816 | 0.814 | 0.848 | 0.845 | 0.875 | 0.867 | 8.27 |
| 19) | T | Methyl tert-bu... | 1.949 | 1.908 | 2.044 | 2.160 | 2.172 | 2.239 | 2.079 | 6.39 |
| 20) | T | Methylene Chlo... | 0.853 | 0.689 | 0.689 | 0.684 | 0.691 | 0.691 | 0.716 | 9.39 |
| 21) | T | trans-1,2-Dich... | 0.604 | 0.557 | 0.573 | 0.610 | 0.612 | 0.622 | 0.596 | 4.27 |
| 22) | T | Diisopropyl ether | 2.095 | 1.924 | 2.219 | 2.278 | 2.295 | 2.321 | 2.189 | 6.97 |
| 23) | T | Vinyl Acetate | 1.660 | 1.698 | 1.928 | 2.048 | 2.082 | 2.134 | 1.925 | 10.52 |
| 24) | P | 1,1-Dichloroet... | 1.116 | 1.154 | 1.233 | 1.263 | 1.263 | 1.286 | 1.219 | 5.60 |
| 25) | T | 2-Butanone | 0.495 | 0.539 | 0.540 | 0.555 | 0.558 | 0.569 | 0.543 | 4.77 |
| 26) | T | 2,2-Dichloropr... | 0.965 | 0.850 | 0.910 | 0.957 | 1.003 | 1.039 | 0.954 | 7.03 |
| 27) | T | cis-1,2-Dichlo... | 0.719 | 0.642 | 0.716 | 0.737 | 0.738 | 0.755 | 0.718 | 5.55 |
| 28) | T | Bromochloromet... | 0.576 | 0.553 | 0.628 | 0.578 | 0.595 | 0.590 | 0.587 | 4.28 |
| 29) | T | Tetrahydrofuran | 0.318 | 0.318 | 0.340 | 0.350 | 0.351 | 0.362 | 0.340 | 5.36 |
| 30) | C | Chloroform | 1.265 | 1.199 | 1.287 | 1.296 | 1.277 | 1.300 | 1.271 | 2.95# |
| 31) | T | Cyclohexane | | 1.059 | 1.090 | 1.128 | 1.128 | 1.150 | 1.111 | 3.26 |
| 32) | T | 1,1,1-Trichlor... | 1.015 | 1.013 | 1.106 | 1.131 | 1.155 | 1.188 | 1.101 | 6.60 |
| 33) | S | 1,2-Dichloroet... | | 0.935 | 0.953 | 0.910 | 0.930 | 0.932 | 0.932 | 1.65 |
| 34) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | | |
| 35) | S | Dibromofluorom... | | 0.354 | 0.359 | 0.355 | 0.364 | 0.368 | 0.360 | 1.70 |
| 36) | T | 1,1-Dichloropr... | 0.493 | 0.462 | 0.463 | 0.495 | 0.483 | 0.505 | 0.484 | 3.68 |
| 37) | T | Ethyl Acetate | 0.586 | 0.582 | 0.569 | 0.611 | 0.609 | 0.631 | 0.598 | 3.83 |
| 38) | T | Carbon Tetrach... | 0.541 | 0.505 | 0.528 | 0.558 | 0.552 | 0.577 | 0.544 | 4.61 |
| 39) | T | Methylcyclohexane | 0.627 | 0.587 | 0.596 | 0.641 | 0.627 | 0.658 | 0.623 | 4.34 |
| 40) | TM | Benzene | 1.348 | 1.337 | 1.426 | 1.474 | 1.441 | 1.477 | 1.417 | 4.30 |
| 41) | T | Methacrylonitrile | 0.233 | 0.288 | 0.318 | 0.346 | 0.343 | 0.348 | 0.313 | 14.50 |
| 42) | TM | 1,2-Dichloroet... | 0.579 | 0.594 | 0.632 | 0.627 | 0.611 | 0.625 | 0.612 | 3.45 |
| 43) | T | Isopropyl Acetate | 0.764 | 0.826 | 0.905 | 0.963 | 0.982 | 1.030 | 0.912 | 11.05 |
| 44) | TM | Trichloroethene | 0.324 | 0.315 | 0.344 | 0.355 | 0.345 | 0.362 | 0.341 | 5.28 |
| 45) | C | 1,2-Dichloropr... | 0.317 | 0.324 | 0.356 | 0.371 | 0.368 | 0.378 | 0.352 | 7.37# |
| 46) | T | Dibromomethane | 0.263 | 0.262 | 0.285 | 0.287 | 0.280 | 0.289 | 0.278 | 4.35 |
| 47) | T | Bromodichlorom... | 0.485 | 0.498 | 0.557 | 0.577 | 0.573 | 0.594 | 0.547 | 8.22 |
| 48) | T | Methyl methacr... | 0.370 | 0.426 | 0.465 | 0.502 | 0.500 | 0.531 | 0.466 | 12.75 |
| 49) | T | 1,4-Dioxane | 0.007 | 0.009 | 0.009 | 0.009 | 0.009 | 0.010 | 0.009 | 8.45 |
| 50) | S | Toluene-d8 | | 1.221 | 1.246 | 1.223 | 1.266 | 1.275 | 1.246 | 1.95 |
| 51) | T | 4-Methyl-2-Pen... | 0.561 | 0.555 | 0.620 | 0.634 | 0.630 | 0.631 | 0.605 | 6.04 |
| 52) | CM | Toluene | 0.803 | 0.838 | 0.884 | 0.898 | 0.885 | 0.904 | 0.869 | 4.54# |
| 53) | T | t-1,3-Dichloro... | 0.371 | 0.406 | 0.468 | 0.528 | 0.555 | 0.591 | 0.487 | 17.86 |
| 54) | T | cis-1,3-Dichlo... | 0.423 | 0.469 | 0.531 | 0.578 | 0.602 | 0.623 | 0.538 | 14.61 |
| 55) | T | 1,1,2-Trichlor... | 0.308 | 0.337 | 0.349 | 0.354 | 0.351 | 0.356 | 0.343 | 5.30 |
| 56) | T | Ethyl methacry... | 0.377 | 0.508 | 0.540 | 0.595 | 0.617 | 0.639 | 0.546 | 17.58 |

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X050525W.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 57) | T | 1,3-Dichloropr... | 0.610 | 0.601 | 0.618 | 0.623 | 0.613 | 0.627 | 0.615 | 1.53 |
| 58) | T | 2-Chloroethyl ... | 0.230 | 0.247 | 0.270 | 0.307 | 0.303 | 0.313 | 0.278 | 12.41 |
| 59) | T | 2-Hexanone | 0.385 | 0.414 | 0.466 | 0.473 | 0.477 | 0.473 | 0.448 | 8.69 |
| 60) | T | Dibromochlorom... | 0.306 | 0.326 | 0.378 | 0.400 | 0.415 | 0.431 | 0.376 | 13.28 |
| 61) | T | 1,2-Dibromoethane | 0.322 | 0.333 | 0.359 | 0.373 | 0.368 | 0.381 | 0.356 | 6.54 |
| 62) | S | 4-Bromofluorob... | | 0.464 | 0.455 | 0.470 | 0.500 | 0.500 | 0.478 | 4.41 |
| 63) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | |
| 64) | T | Tetrachloroethene | 0.347 | 0.323 | 0.390 | 0.375 | 0.345 | 0.344 | 0.354 | 6.84 |
| 65) | PM | Chlorobenzene | 1.131 | 1.046 | 1.093 | 1.098 | 1.085 | 1.114 | 1.094 | 2.65 |
| 66) | T | 1,1,1,2-Tetrac... | 0.369 | 0.341 | 0.365 | 0.390 | 0.382 | 0.395 | 0.374 | 5.22 |
| 67) | C | Ethyl Benzene | 1.803 | 1.816 | 1.919 | 2.022 | 1.979 | 2.036 | 1.929 | 5.24# |
| 68) | T | m/p-Xylenes | 0.648 | 0.678 | 0.706 | 0.740 | 0.721 | 0.740 | 0.706 | 5.21 |
| 69) | T | o-Xylene | 0.642 | 0.639 | 0.688 | 0.727 | 0.706 | 0.726 | 0.688 | 5.75 |
| 70) | T | Styrene | 0.951 | 1.012 | 1.135 | 1.219 | 1.214 | 1.230 | 1.127 | 10.56 |
| 71) | P | Bromoform | 0.234 | 0.236 | 0.270 | 0.304 | 0.312 | 0.327 | 0.281 | 14.17 |
| 72) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | |
| 73) | T | Isopropylbenzene | 3.789 | 3.562 | 3.843 | 4.130 | 3.876 | 4.156 | 3.893 | 5.72 |
| 74) | T | N-amyl acetate | 1.715 | 1.652 | 1.846 | 2.067 | 2.068 | 2.192 | 1.924 | 11.32 |
| 75) | P | 1,1,2,2-Tetrac... | 1.552 | 1.350 | 1.315 | 1.338 | 1.284 | 1.345 | 1.364 | 6.97 |
| 76) | T | 1,2,3-Trichlor... | 1.405 | 1.167 | 1.151 | 1.187 | 1.131 | 1.181 | 1.204 | 8.36 |
| 77) | T | Bromobenzene | 0.926 | 0.862 | 0.896 | 0.928 | 0.883 | 0.928 | 0.904 | 3.08 |
| 78) | T | n-propylbenzene | 4.272 | 4.186 | 4.394 | 4.854 | 4.583 | 4.868 | 4.526 | 6.45 |
| 79) | T | 2-Chlorotoluene | 3.184 | 2.748 | 2.832 | 2.994 | 2.805 | 2.953 | 2.919 | 5.45 |
| 80) | T | 1,3,5-Trimethy... | 3.036 | 3.053 | 3.275 | 3.487 | 3.255 | 3.405 | 3.252 | 5.60 |
| 81) | T | trans-1,4-Dich... | | 0.269 | 0.335 | 0.385 | 0.410 | 0.449 | 0.370 | 18.91 |
| 82) | T | 4-Chlorotoluene | 3.226 | 2.939 | 3.196 | 3.430 | 3.255 | 3.379 | 3.238 | 5.32 |
| 83) | T | tert-Butylbenzene | 3.341 | 3.098 | 3.115 | 3.435 | 3.255 | 3.411 | 3.276 | 4.44 |
| 84) | T | 1,2,4-Trimethy... | 3.150 | 3.034 | 3.274 | 3.522 | 3.335 | 3.444 | 3.293 | 5.52 |
| 85) | T | sec-Butylbenzene | 3.708 | 3.767 | 3.937 | 4.282 | 4.095 | 4.343 | 4.022 | 6.55 |
| 86) | T | p-Isopropyltol... | 3.025 | 3.084 | 3.206 | 3.555 | 3.450 | 3.599 | 3.320 | 7.44 |
| 87) | T | 1,3-Dichlorobe... | 1.619 | 1.558 | 1.633 | 1.701 | 1.656 | 1.729 | 1.649 | 3.71 |
| 88) | T | 1,4-Dichlorobe... | 1.817 | 1.606 | 1.629 | 1.693 | 1.639 | 1.722 | 1.684 | 4.64 |
| 89) | T | n-Butylbenzene | 2.443 | 2.650 | 2.748 | 3.147 | 3.139 | 3.346 | 2.912 | 12.00 |
| 90) | T | Hexachloroethane | 0.511 | 0.523 | 0.551 | 0.622 | 0.622 | 0.680 | 0.585 | 11.44 |
| 91) | T | 1,2-Dichlorobe... | 1.710 | 1.577 | 1.613 | 1.696 | 1.634 | 1.702 | 1.655 | 3.34 |
| 92) | T | 1,2-Dibromo-3-... | 0.259 | 0.248 | 0.299 | 0.322 | 0.329 | 0.356 | 0.302 | 13.89 |
| 93) | T | 1,2,4-Trichlor... | 0.862 | 0.842 | 0.861 | 0.981 | 1.035 | 1.123 | 0.951 | 12.03 |
| 94) | T | Hexachlorobuta... | 0.393 | 0.414 | 0.394 | 0.427 | 0.418 | 0.445 | 0.415 | 4.79 |
| 95) | T | Naphthalene | 3.499 | 2.929 | 3.204 | 3.613 | 3.690 | 3.984 | 3.487 | 10.69 |
| 96) | T | 1,2,3-Trichlor... | 0.941 | 0.846 | 0.921 | 1.019 | 1.051 | 1.107 | 0.981 | 9.74 |

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 83671 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 147096 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 127829 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 60503 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 31909 | 12.820 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 25.640%# | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 21112 | 12.804 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 25.600%# | | |
| 50) Toluene-d8 | 8.646 | 98 | 73333 | 13.200 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 26.400%# | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 26760 | 13.236 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 26.480%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 23341 | 12.638 | ug/l | 96 |
| 3) Chloromethane | 1.306 | 50 | 24316 | 13.371 | ug/l | 98 |
| 4) Vinyl Chloride | 1.373 | 62 | 22096 | 13.868 | ug/l | 94 |
| 5) Bromomethane | 1.593 | 94 | 9920 | 12.279 | ug/l | 93 |
| 6) Chloroethane | 1.666 | 64 | 11832 | 14.414 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.873 | 101 | 34636 | 14.271 | ug/l | 100 |
| 8) Diethyl Ether | 2.129 | 74 | 11392 | 14.278 | ug/l | 94 |
| 9) 1,1,2-Trichlorotrifluo... | 2.324 | 101 | 21027 | 14.499 | ug/l | 98 |
| 10) Methyl Iodide | 2.446 | 142 | 25661 | 15.070 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.971 | 59 | 20370 | 68.662 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 18899 | 13.385 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 26427 | 76.689 | ug/l | 95 |
| 14) Allyl chloride | 2.660 | 41 | 37708 | 14.133 | ug/l | 99 |
| 15) Acrylonitrile | 3.062 | 53 | 63290 | 71.312 | ug/l | 98 |
| 16) Acetone | 2.379 | 43 | 60363 | 70.884 | ug/l | 99 |
| 17) Carbon Disulfide | 2.501 | 76 | 43348 | 13.251 | ug/l | 100 |
| 18) Methyl Acetate | 2.702 | 43 | 27234 | 13.397 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 68402 | 13.890 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 23050 | 13.362 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.086 | 96 | 19161 | 13.294 | ug/l | 96 |
| 22) Diisopropyl ether | 3.763 | 45 | 74257 | 14.896 | ug/l | 95 |
| 23) Vinyl Acetate | 3.720 | 43 | 322598 | 73.230 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 41257 | 14.082 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 90331 | 73.489 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.470 | 77 | 30472 | 13.729 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 23970 | 13.791 | ug/l | 98 |
| 28) Bromochloromethane | 4.897 | 49 | 21028 | 13.497 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 56819 | 71.175 | ug/l | 100 |
| 30) Chloroform | 5.086 | 83 | 43065 | 14.144 | ug/l | 95 |
| 31) Cyclohexane | 5.458 | 56 | 36470 | 14.769 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 37003 | 14.092 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 27242 | 14.231 | ug/l | 98 |
| 37) Ethyl Acetate | 4.720 | 43 | 33458 | 13.931 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.671 | 117 | 31091 | 14.137 | ug/l | 98 |
| 39) Methylcyclohexane | 7.372 | 83 | 35077 | 14.623 | ug/l | 99 |
| 40) Benzene | 6.031 | 78 | 83898 | 14.140 | ug/l | 97 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.915 | 41 | 18732 | 14.038 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 37203 | 15.165 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 53275 | 14.512 | ug/l | | 99 |
| 44) Trichloroethene | 7.116 | 130 | 20239 | 14.429 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 20940 | 14.204 | ug/l | | 98 |
| 46) Dibromomethane | 7.580 | 93 | 16781 | 14.439 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.817 | 83 | 32762 | 14.545 | ug/l | | 94 |
| 48) Methyl methacrylate | 7.689 | 41 | 27374 | 14.521 | ug/l | | 100 |
| 49) 1,4-Dioxane | 7.659 | 88 | 10585 | 282.442 | ug/l | | 98 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 182455 | 75.775 | ug/l | | 98 |
| 52) Toluene | 8.713 | 92 | 52030 | 14.788 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 27549 | 14.566 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 31226 | 14.154 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.152 | 97 | 20536 | 14.442 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 31787 | 14.425 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 36341 | 14.417 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 79531 | 80.312 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 137054 | 74.997 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 22267 | 14.387 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 21113 | 14.458 | ug/l | | 96 |
| 64) Tetrachloroethene | 9.268 | 164 | 19924 | 15.263 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 55863 | 14.202 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131 | 18671 | 14.231 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 98113 | 14.631 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 72202 | 29.806 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 35178 | 14.408 | ug/l | | 96 |
| 70) Styrene | 10.652 | 104 | 58034 | 14.853 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 13825 | 14.030 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 93013 | 14.096 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 44684 | 13.581 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 31830 | 13.560 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.237 | 75 | 27845m | 11.039 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 21695 | 14.212 | ug/l | | 96 |
| 78) n-propylbenzene | 11.298 | 91 | 106337 | 14.376 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.359 | 91 | 68534 | 13.748 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 79261 | 14.468 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 8104 | 13.371 | ug/l | | 91 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 77338 | 14.116 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 75382 | 14.011 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 79232 | 14.480 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 95271 | 14.263 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 77599 | 14.387 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 39520 | 13.898 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 39419 | 14.146 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 66506 | 14.184 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 13332 | 13.287 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 39031 | 14.092 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.938 | 75 | 7232 | 13.535 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 20846 | 13.745 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 9524 | 13.426 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 77542 | 14.040 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.956 | 180 | 22301 | 14.023 | ug/l | | 97 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

ICAL Form

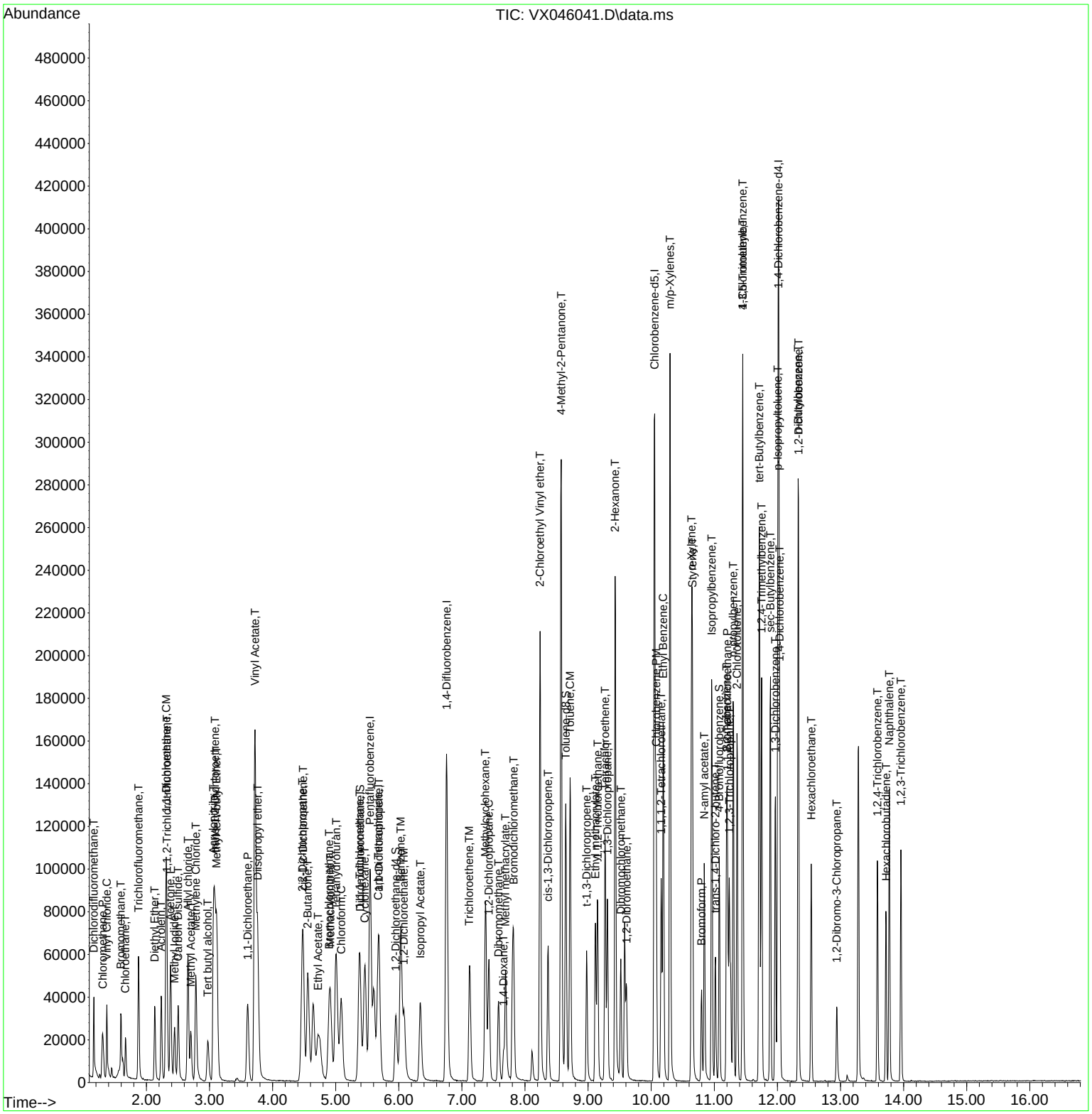
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Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

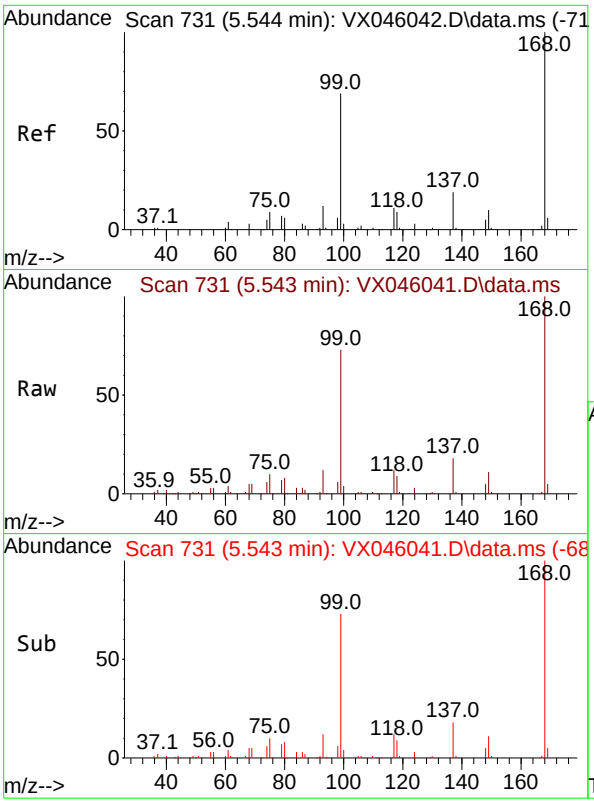
Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

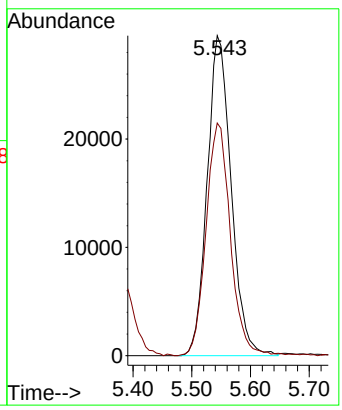





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:168 Resp: 8367

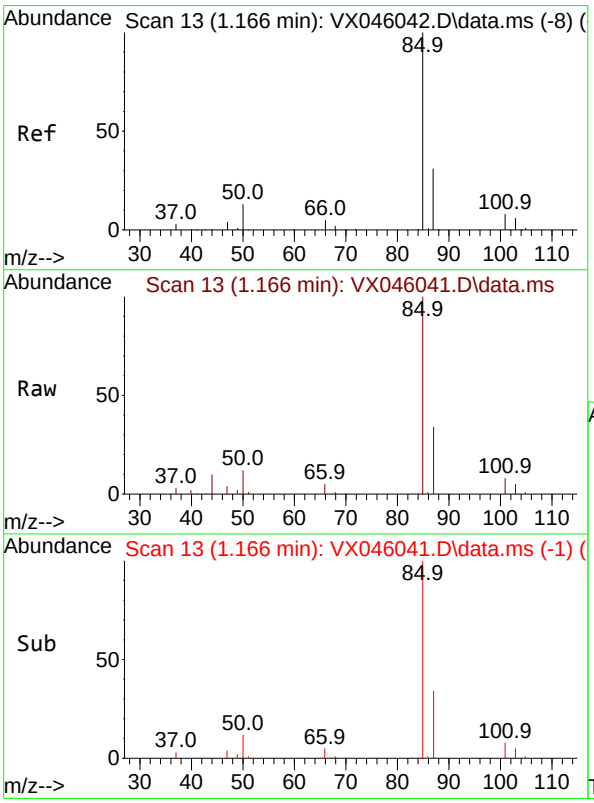
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 72.7 | 54.9 | 82.3 |




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

**Manual Integrations**
**APPROVED**

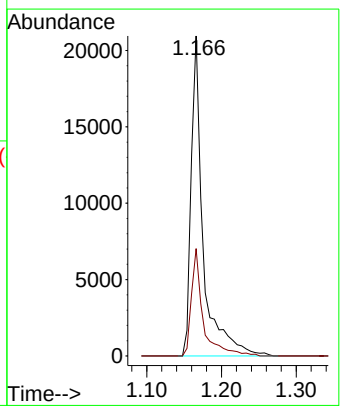
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

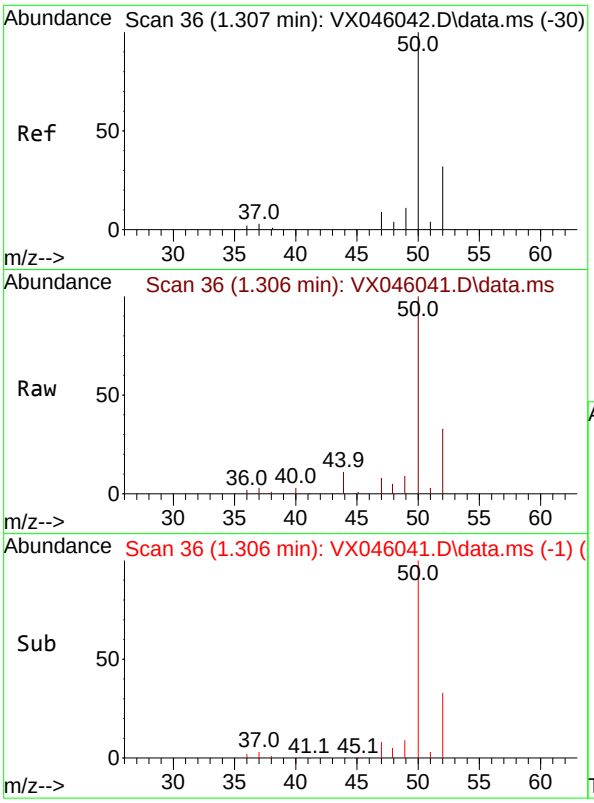



#2
Dichlorodifluoromethane
Concen: 12.638 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 85 Resp: 23341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.5 | 15.7 | 47.1 |

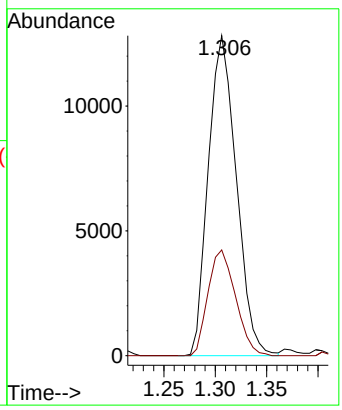





#3
Chloromethane
Concen: 13.371 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 50 Resp: 2431

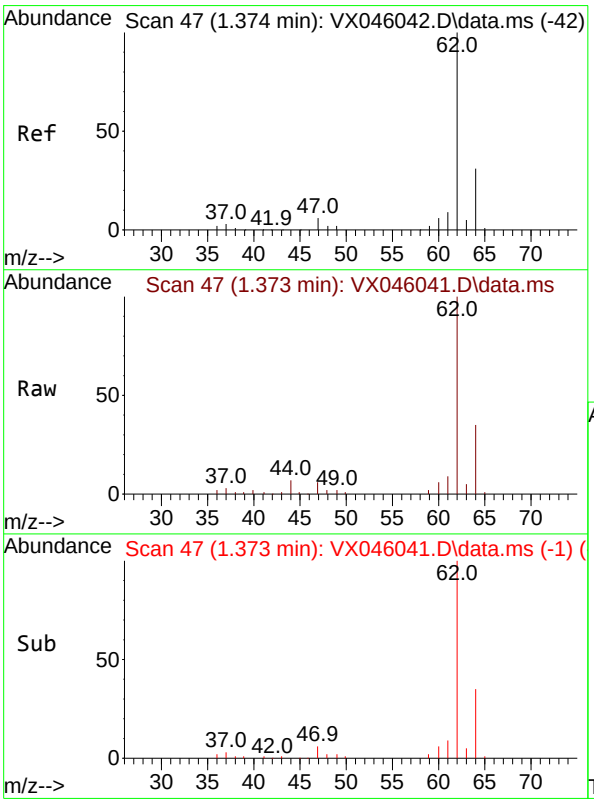
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.0 | 25.4 | 38.2 |




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

**Manual Integrations**
**APPROVED**

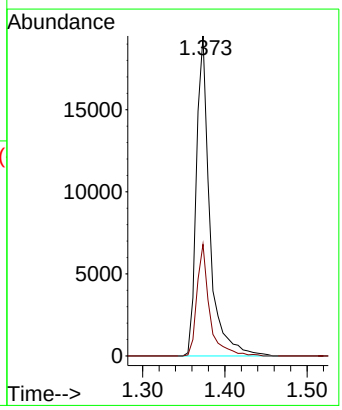
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

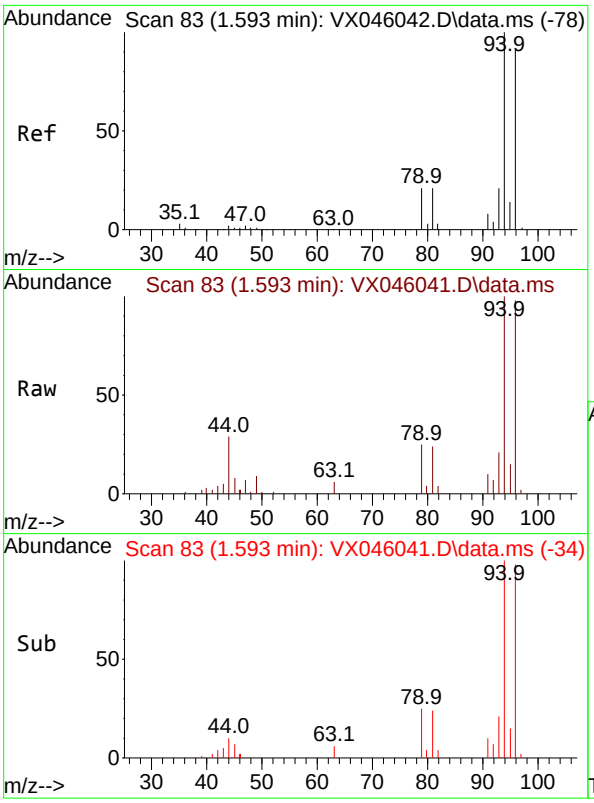



#4
Vinyl Chloride
Concen: 13.868 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 22096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 34.9 | 25.2 | 37.8 |

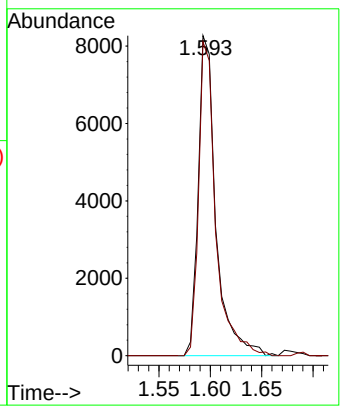





#5
Bromomethane
Concen: 12.279 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 94 Resp: 992

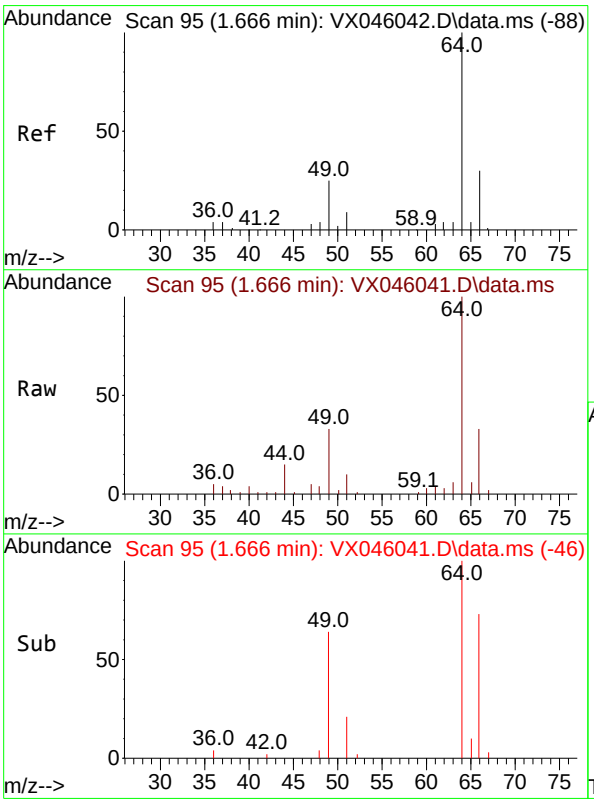
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 98.1 | 72.8 | 109.2 |




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

**Manual Integrations**
**APPROVED**

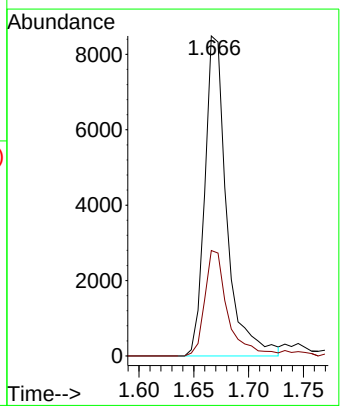
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

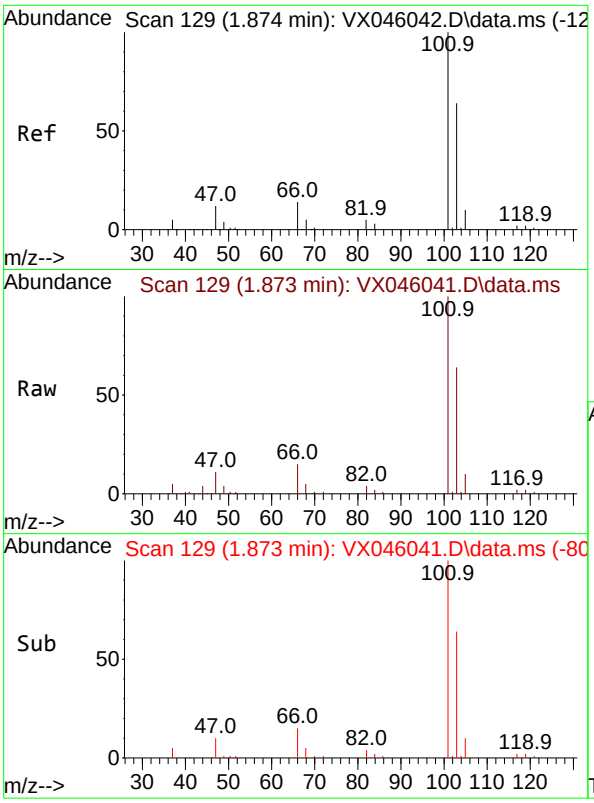



#6
Chloroethane
Concen: 14.414 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 64 Resp: 11832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.9 | 24.3 | 36.5 |

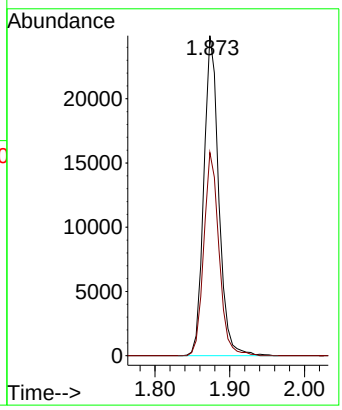





#7
Trichlorofluoromethane
Concen: 14.271 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:101 Resp: 3463

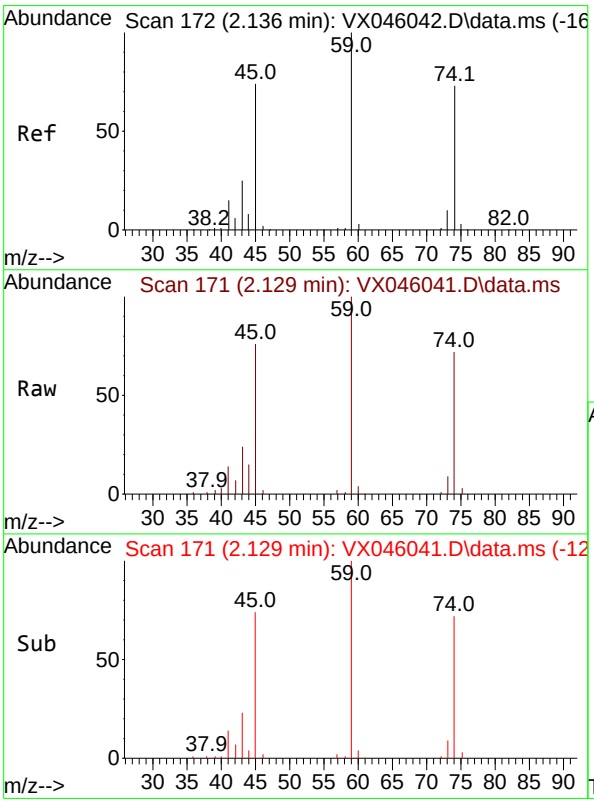
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 51.0 | 76.4 |




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

**Manual Integrations**
**APPROVED**

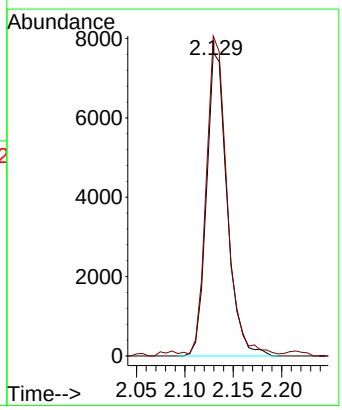
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

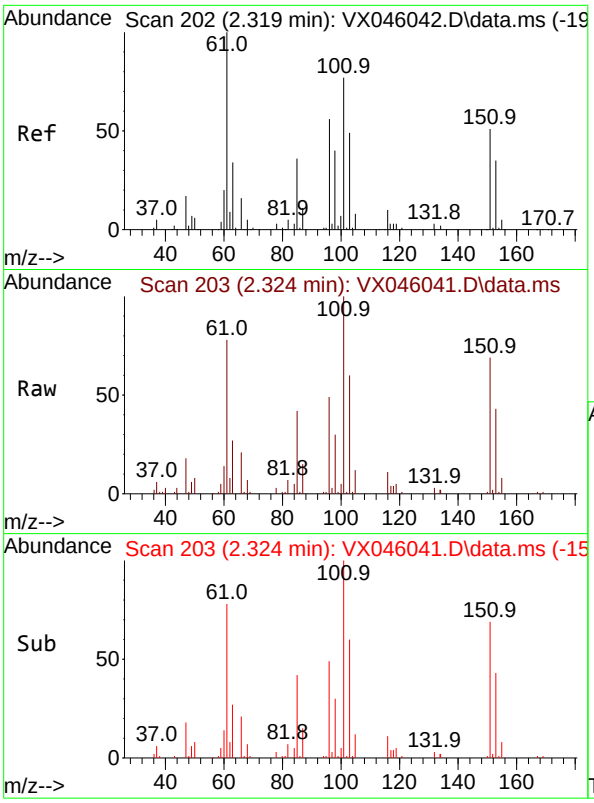



#8
Diethyl Ether
Concen: 14.278 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 74 Resp: 11392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 103.7 | 54.9 | 164.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.499 ug/l
RT: 2.324 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

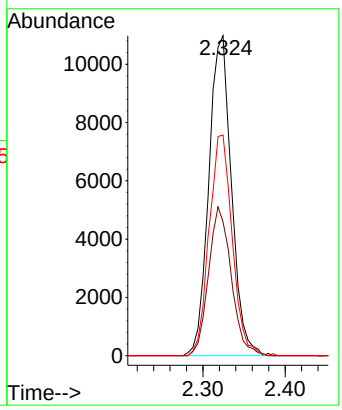
Tgt Ion:101 Resp: 2102

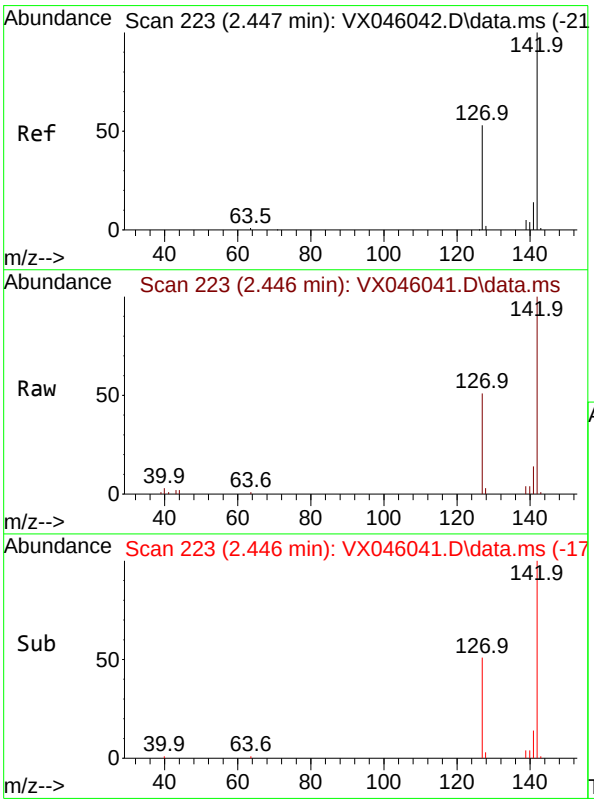
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.6 | 38.6 | 58.0 |
| 151 | 70.4 | 55.2 | 82.8 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

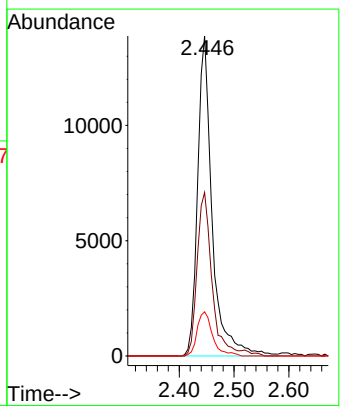


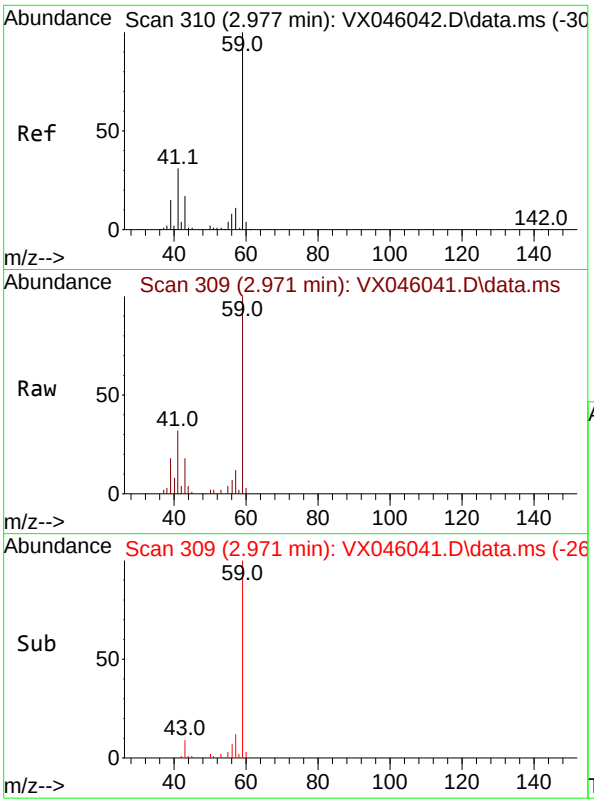




#10
Methyl Iodide
Concen: 15.070 ug/l
RT: 2.446 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:142 Resp: 25661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 53.0 | 41.7 | 62.5 |
| 141 | 14.7 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 68.662 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

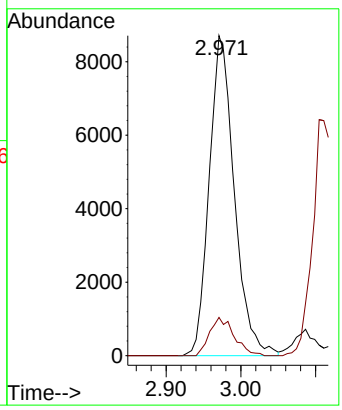
Tgt Ion: 59 Resp: 2037

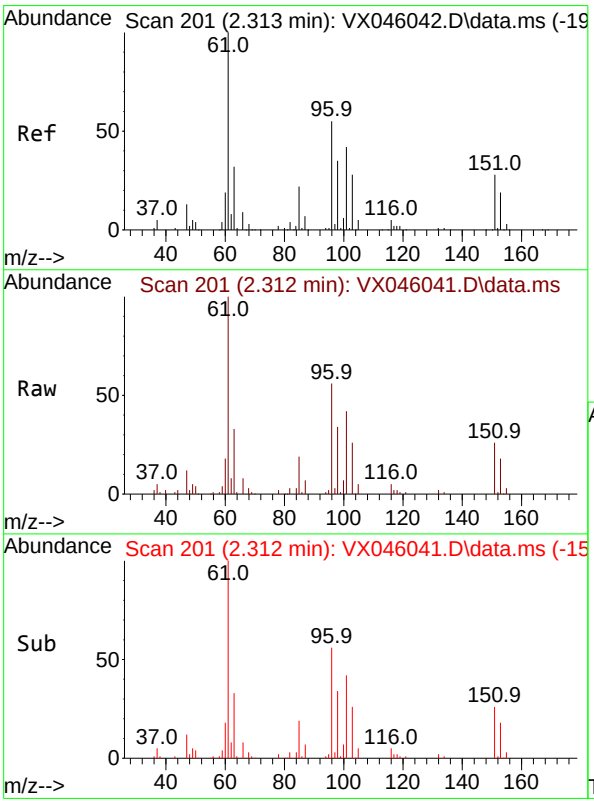
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.7 | 8.6 | 12.8 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

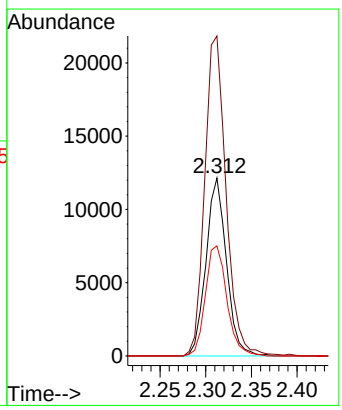


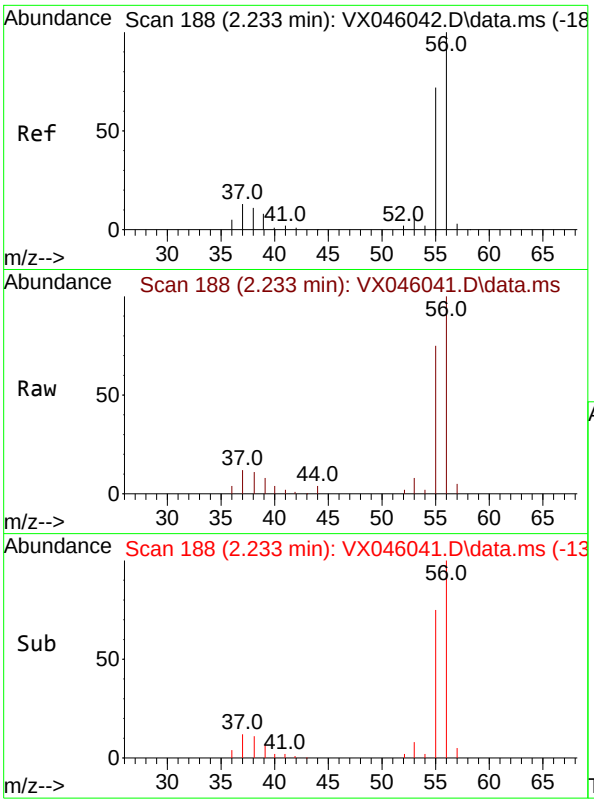




#12
1,1-Dichloroethene
Concen: 13.385 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 18899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 179.8 | 146.2 | 219.2 |
| 98 | 61.8 | 51.0 | 76.6 |

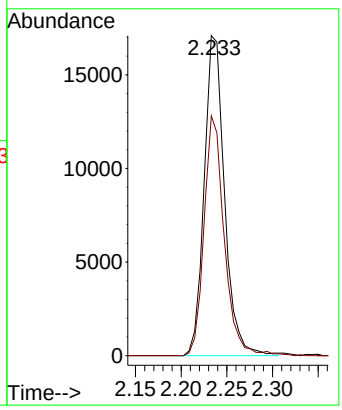





#13
Acrolein
Concen: 76.689 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 56 Resp: 2642

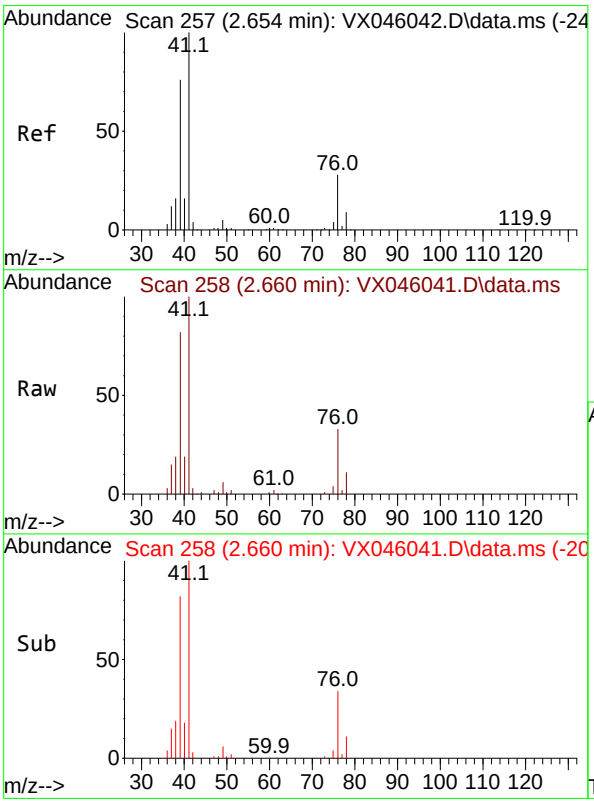
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 74.3 | 56.2 | 84.4 |




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

**Manual Integrations**
**APPROVED**

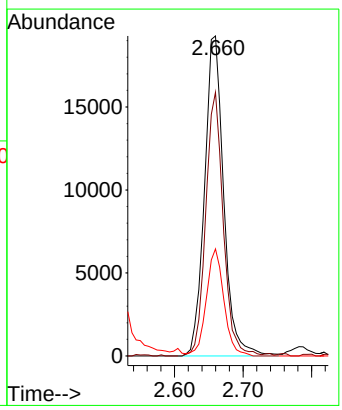
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

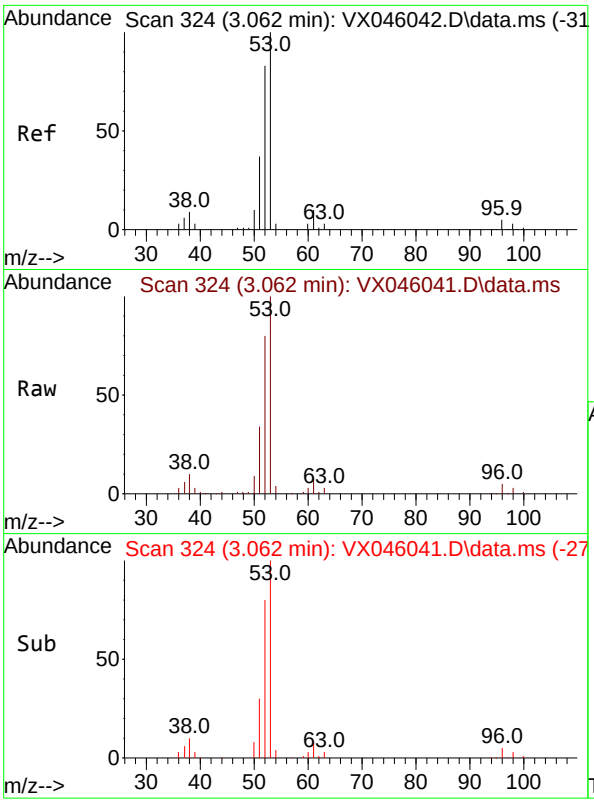



#14
Allyl chloride
Concen: 14.133 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 37708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.0 | 60.6 | 90.8 |
| 76 | 30.6 | 24.9 | 37.3 |

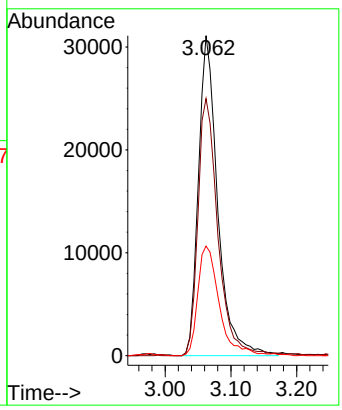





#15
Acrylonitrile
Concen: 71.312 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 53 Resp: 6329

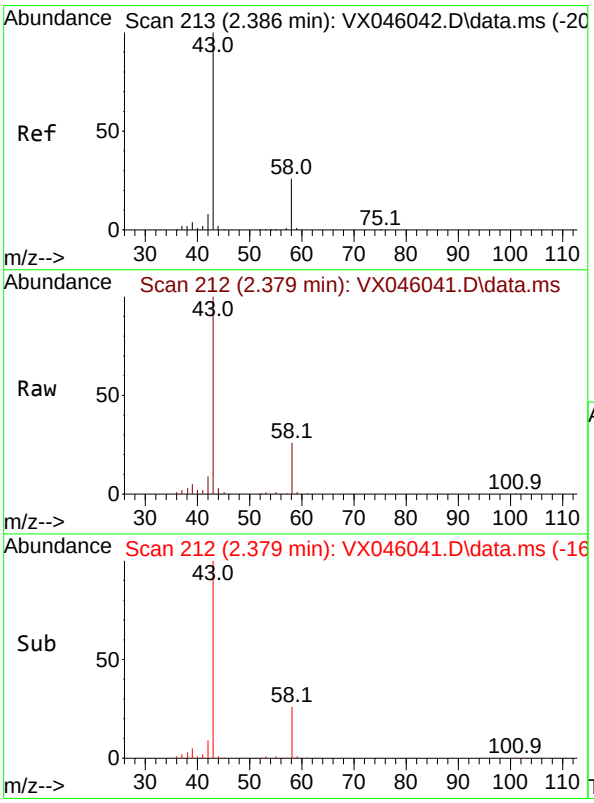
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.5 | 65.3 | 97.9 |
| 51 | 38.4 | 29.8 | 44.8 |




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

**Manual Integrations**
**APPROVED**

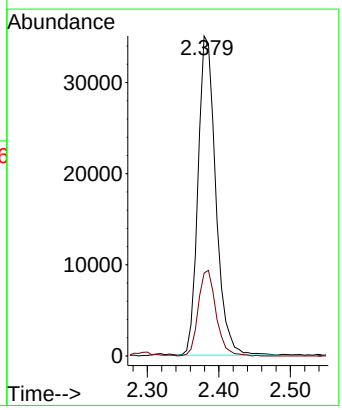
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

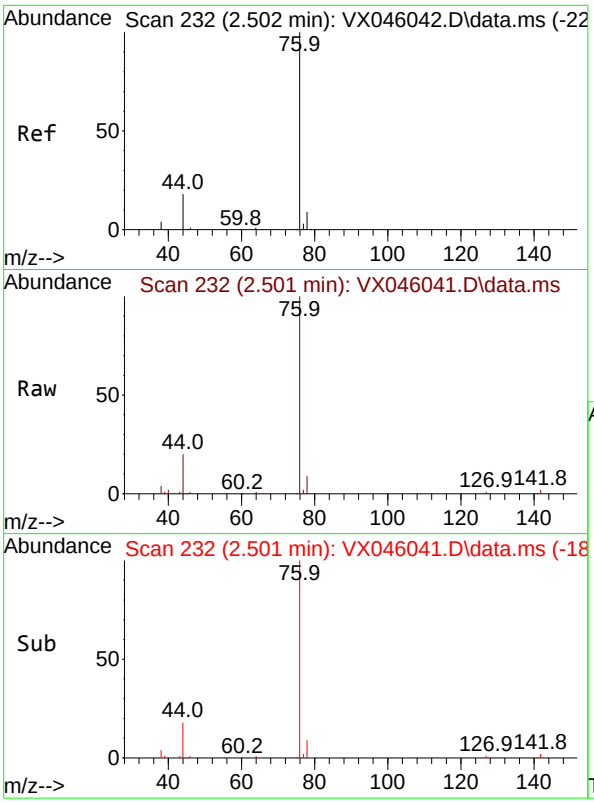



#16
Acetone
Concen: 70.884 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 60363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.0 | 21.2 | 31.8 |






#17
Carbon Disulfide
Concen: 13.251 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

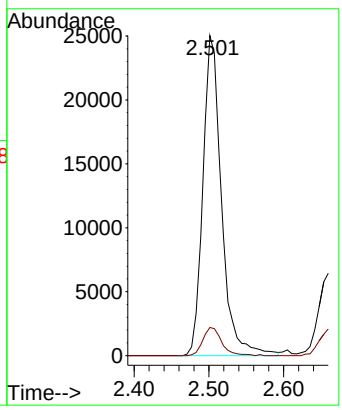
Tgt Ion: 76 Resp: 4334

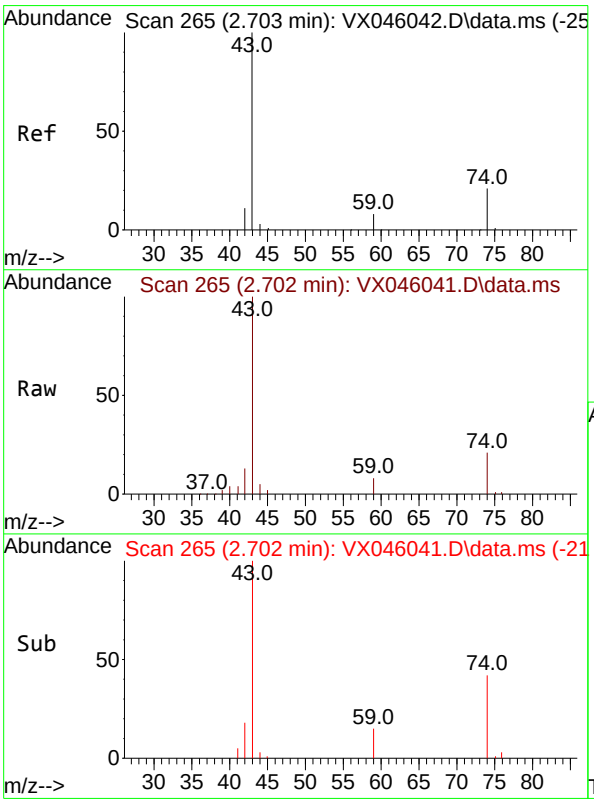
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.0 | 10.4 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

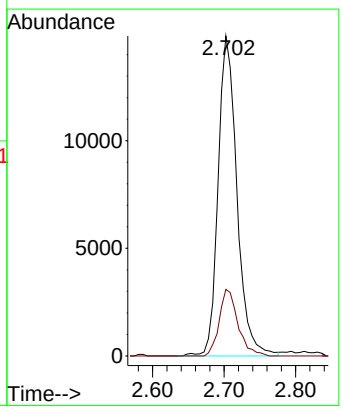


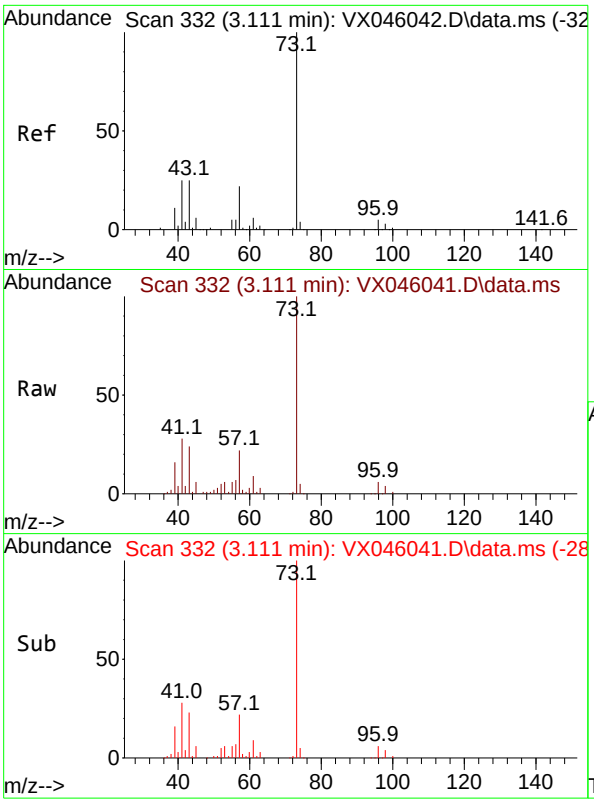




#18
Methyl Acetate
Concen: 13.397 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 27234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.7 | 16.7 | 25.1 |

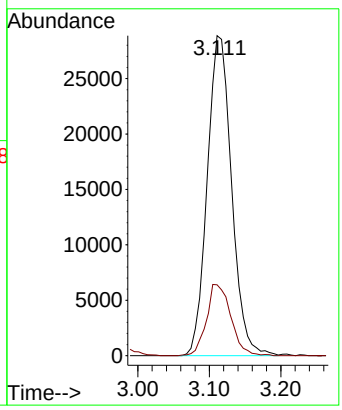





#19
Methyl tert-butyl Ether
Concen: 13.890 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 73 Resp: 6840

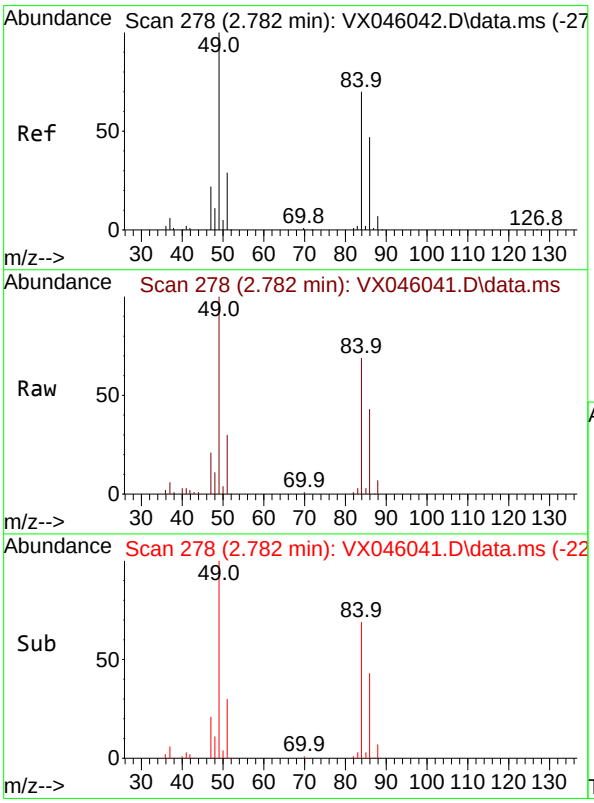
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.7 | 26.5 |




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

**Manual Integrations**
**APPROVED**

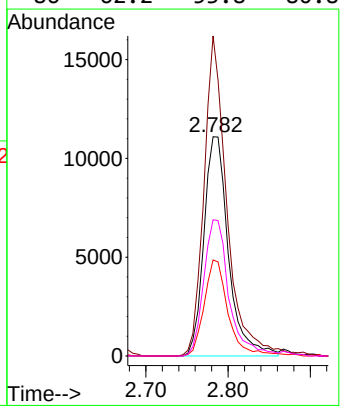
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

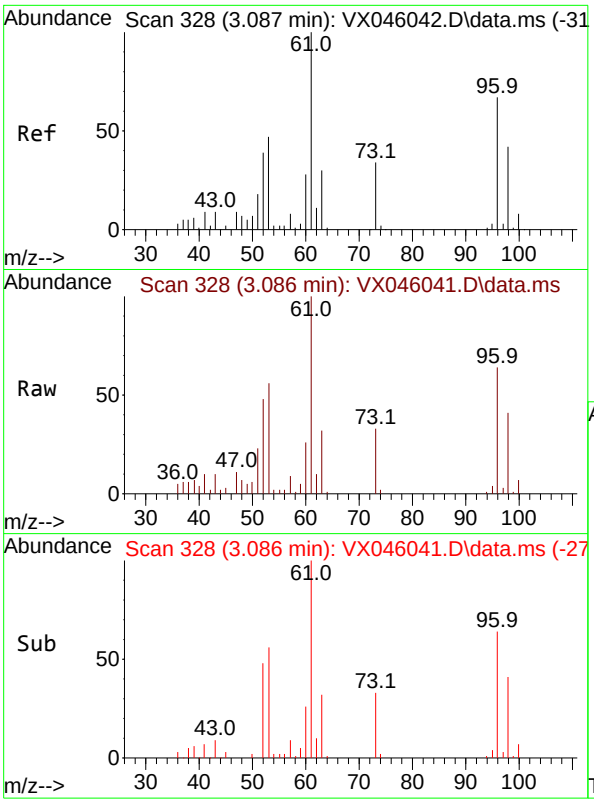



#20
Methylene Chloride
Concen: 13.362 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 84 Resp: 23050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 146.0 | 113.9 | 170.9 |
| 51 | 43.8 | 33.5 | 50.3 |
| 86 | 62.2 | 53.8 | 80.8 |

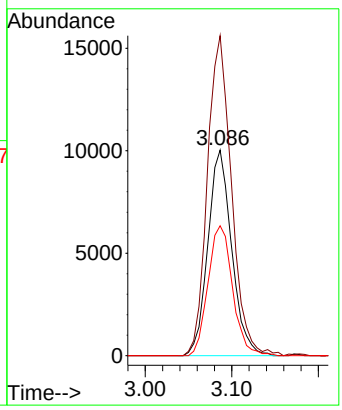





#21
trans-1,2-Dichloroethene
Concen: 13.294 ug/l
RT: 3.086 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 1916

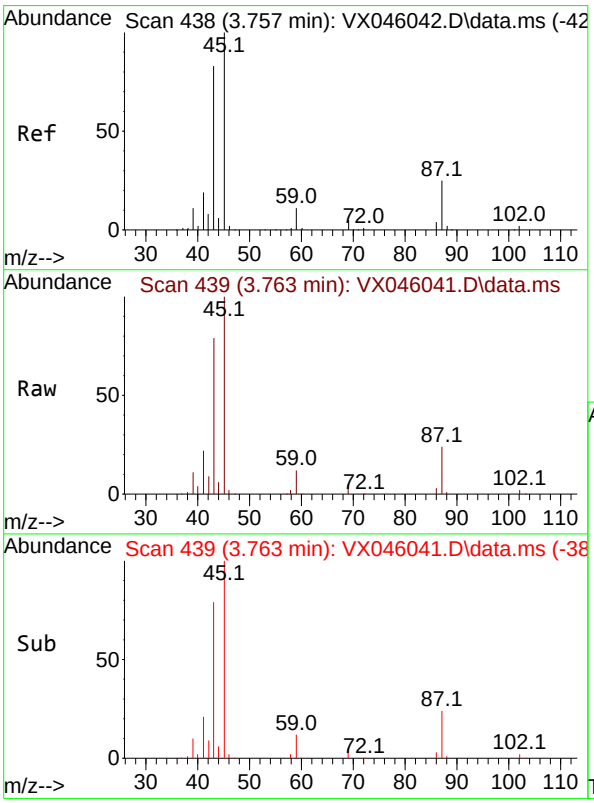
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.6 | 119.5 | 179.3 |
| 98 | 63.2 | 50.0 | 75.0 |




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

**Manual Integrations**
**APPROVED**

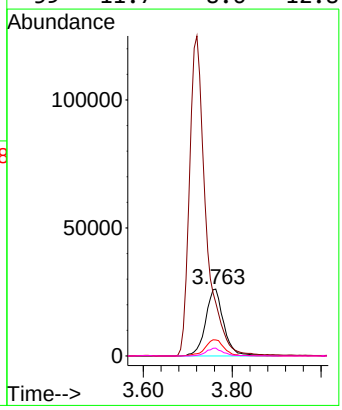
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

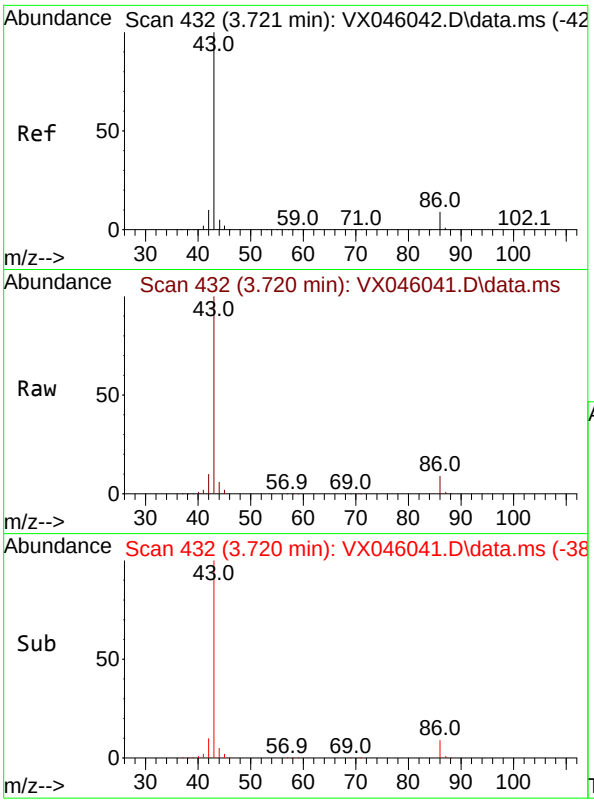



#22
Diisopropyl ether
Concen: 14.896 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 45 Resp: 74257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 78.2 | 66.6 | 100.0 |
| 87 | 24.0 | 19.8 | 29.6 |
| 59 | 11.7 | 8.6 | 12.8 |






#23
Vinyl Acetate
Concen: 73.230 ug/l
RT: 3.720 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

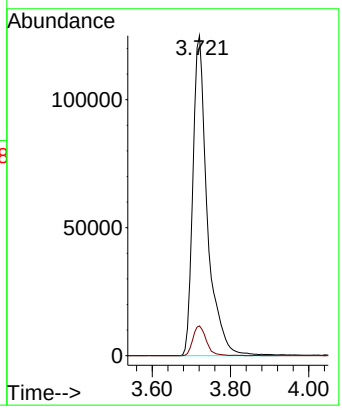
Tgt Ion: 43 Resp: 32259

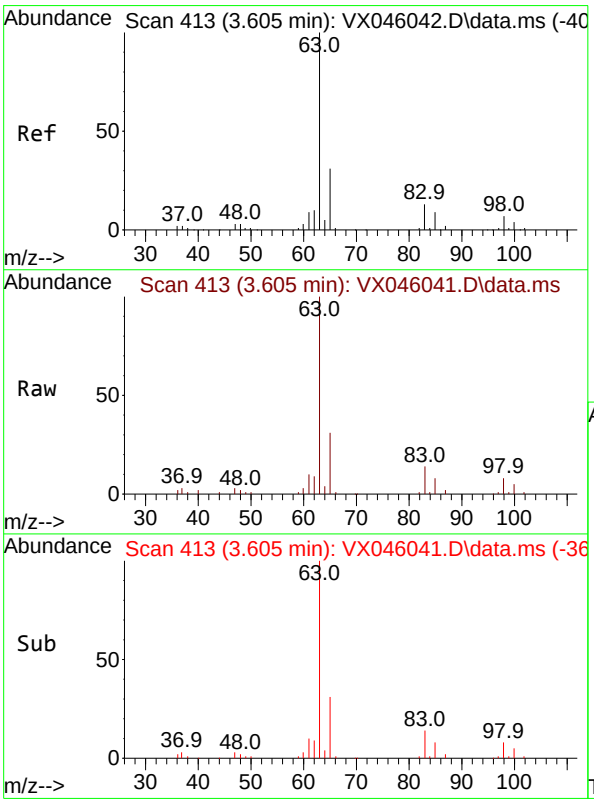
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.3 | 7.5 | 11.3 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

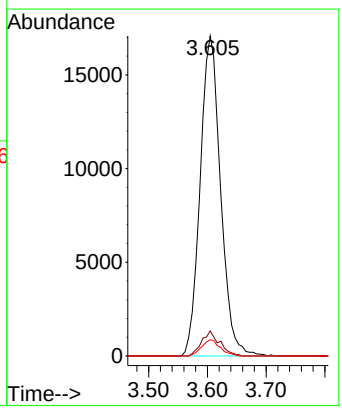


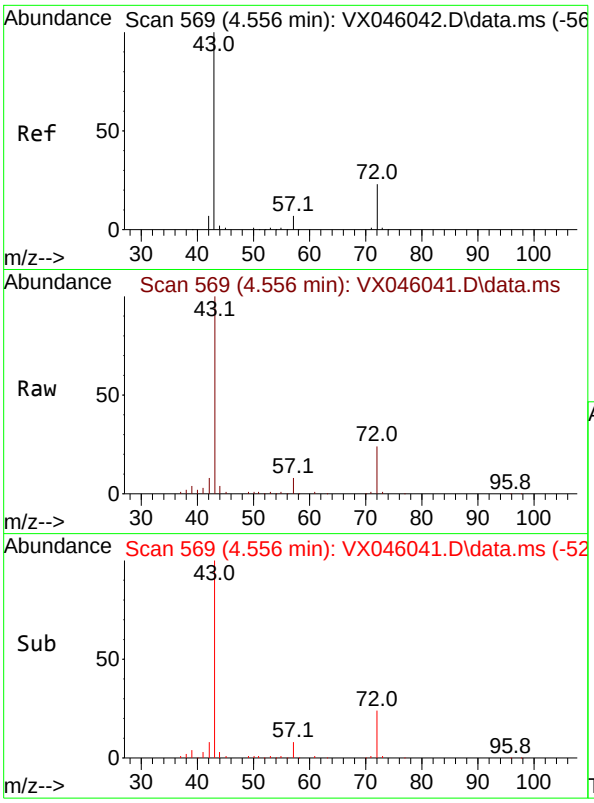




#24
1,1-Dichloroethane
Concen: 14.082 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 41257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.9 | 3.6 | 10.8 |
| 100 | 5.0 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 73.489 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

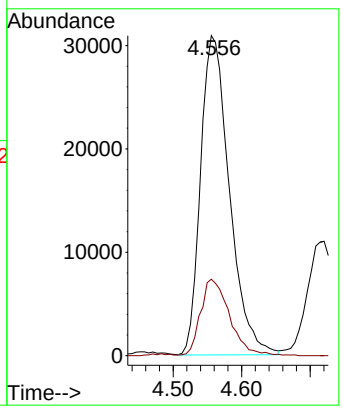
Tgt Ion: 43 Resp: 9033

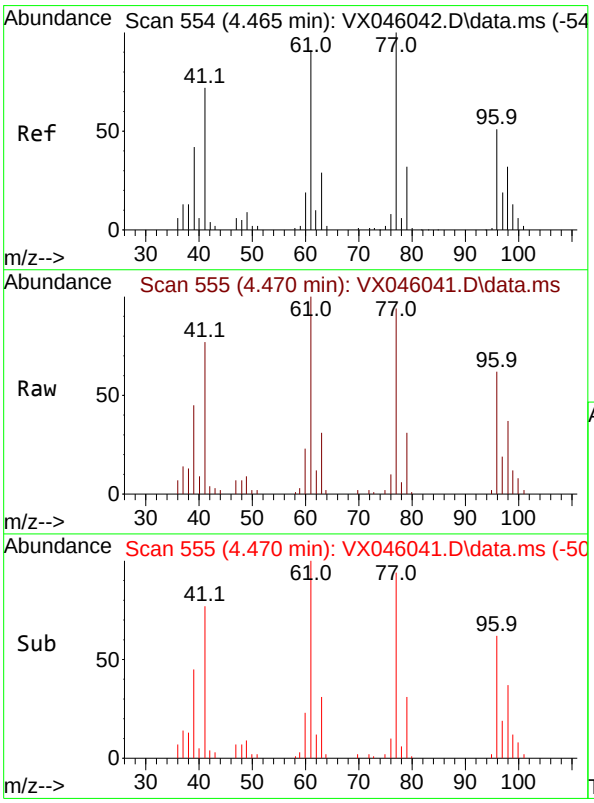
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.8 | 18.4 | 27.6 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

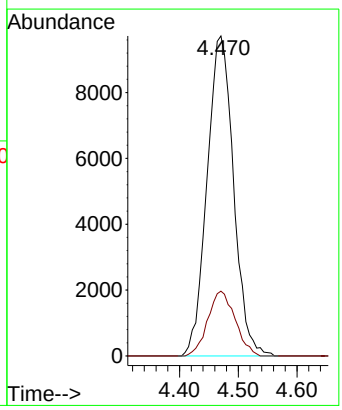


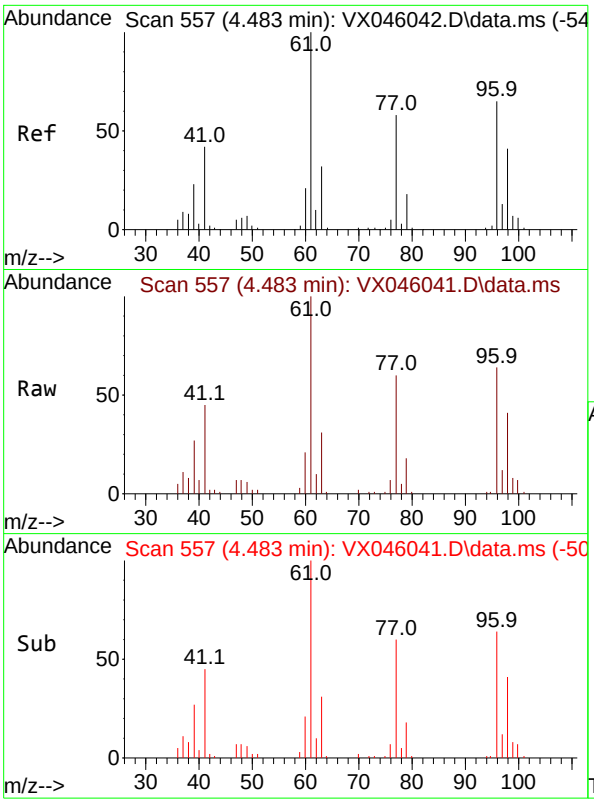




#26
2,2-Dichloropropane
Concen: 13.729 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 77 Resp: 30472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 20.9 | 10.5 | 31.5 |

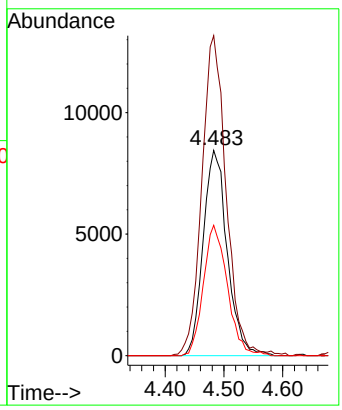





#27
cis-1,2-Dichloroethene
Concen: 13.791 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 2397

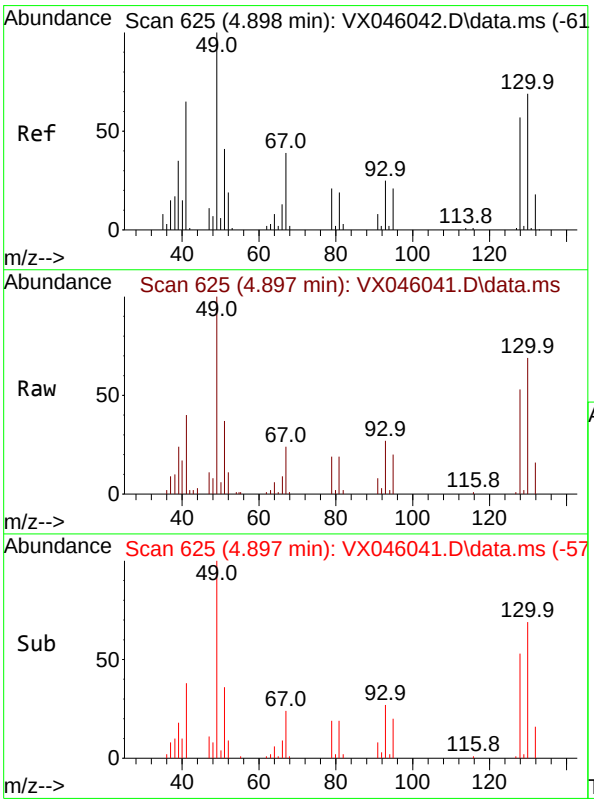
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 158.3 | 0.0 | 322.8 |
| 98 | 63.5 | 0.0 | 129.0 |




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

**Manual Integrations**
**APPROVED**

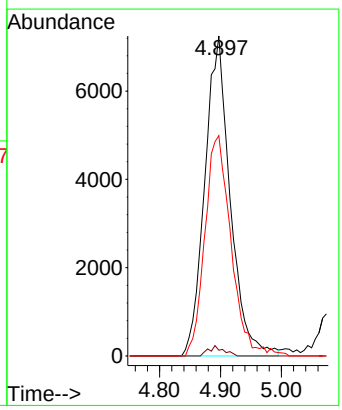
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

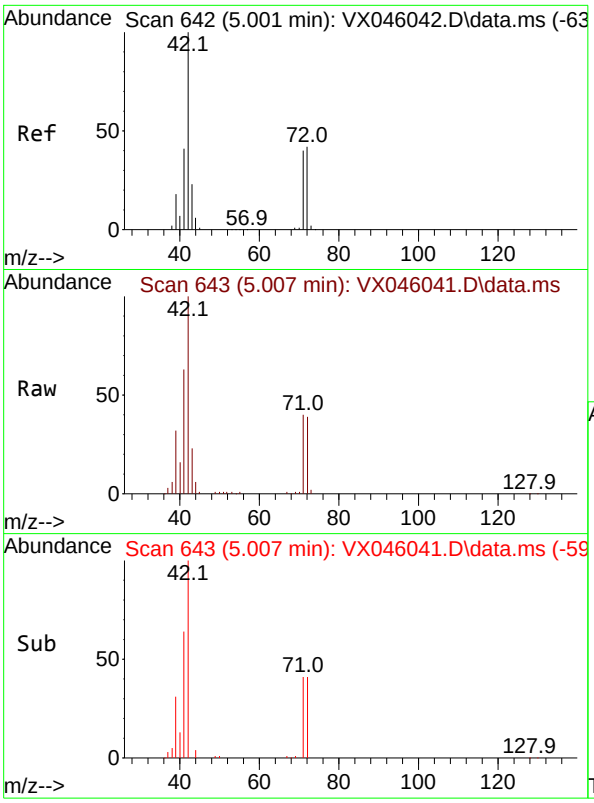



#28
Bromochloromethane
Concen: 13.497 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 49 Resp: 21028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 4.0 |
| 130 | 70.9 | 56.2 | 84.2 |

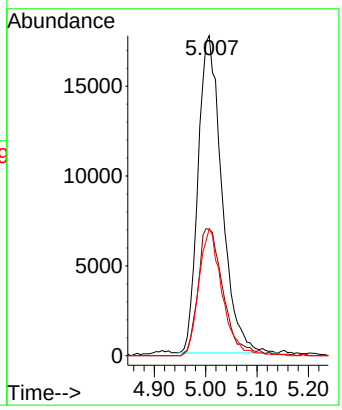





#29
Tetrahydrofuran
Concen: 71.175 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 42 Resp: 5681

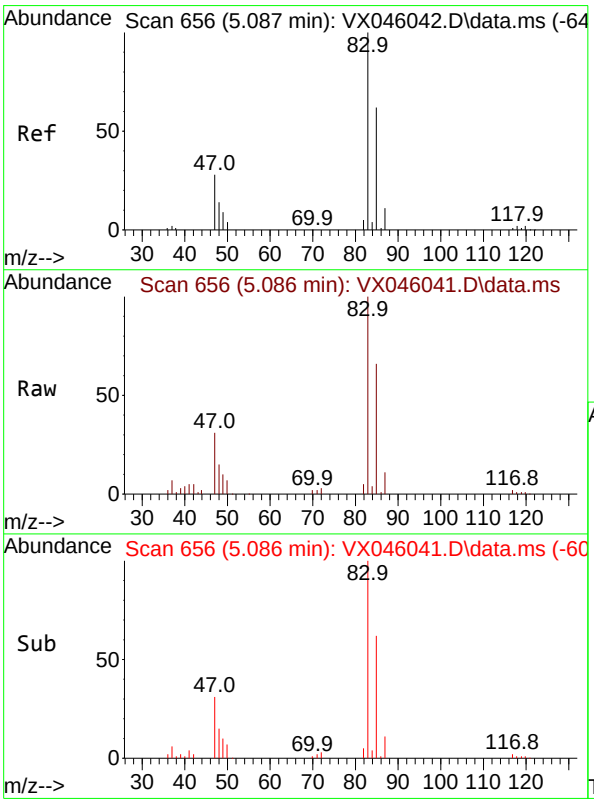
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.3 | 33.7 | 50.5 |
| 71 | 39.2 | 31.4 | 47.2 |




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

**Manual Integrations**
**APPROVED**

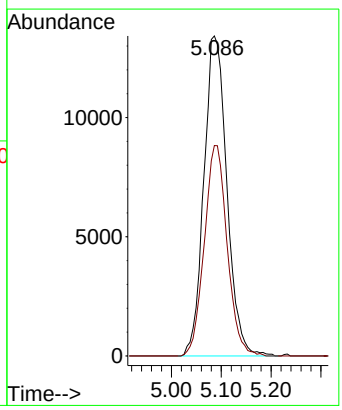
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

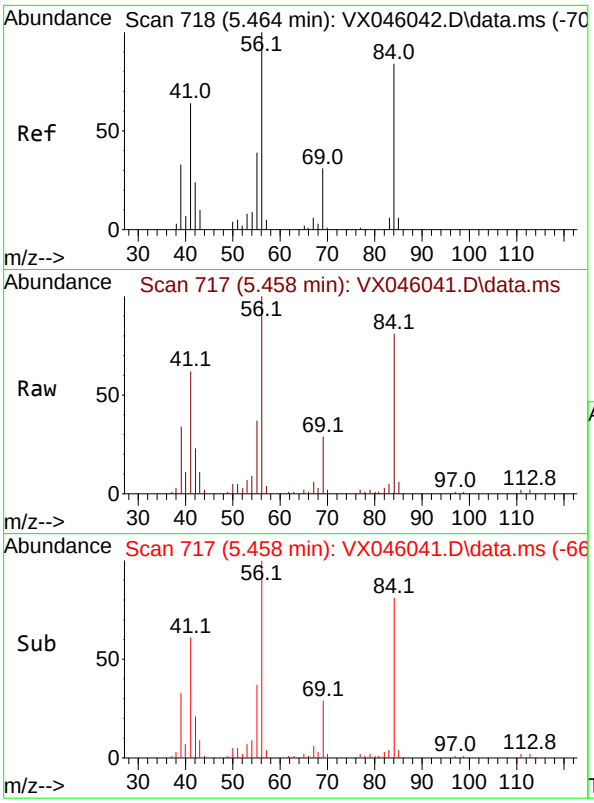



#30
Chloroform
Concen: 14.144 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 43065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.7 | 49.3 | 73.9 |

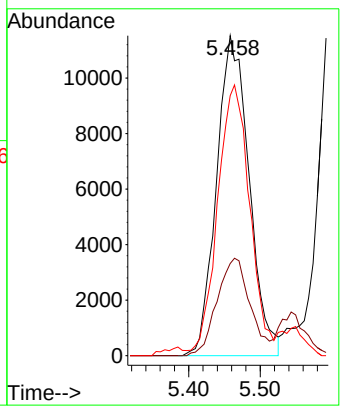





#31
Cyclohexane
Concen: 14.769 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 56 Resp: 3647

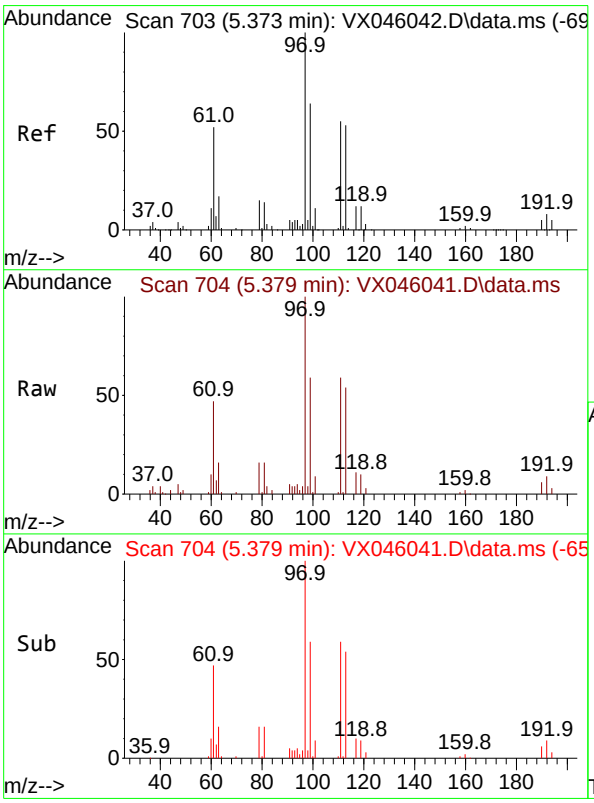
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.8 | 24.4 | 36.6 |
| 84 | 78.5 | 66.9 | 100.3 |




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

**Manual Integrations**
**APPROVED**

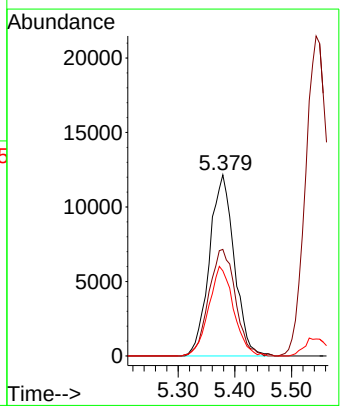
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

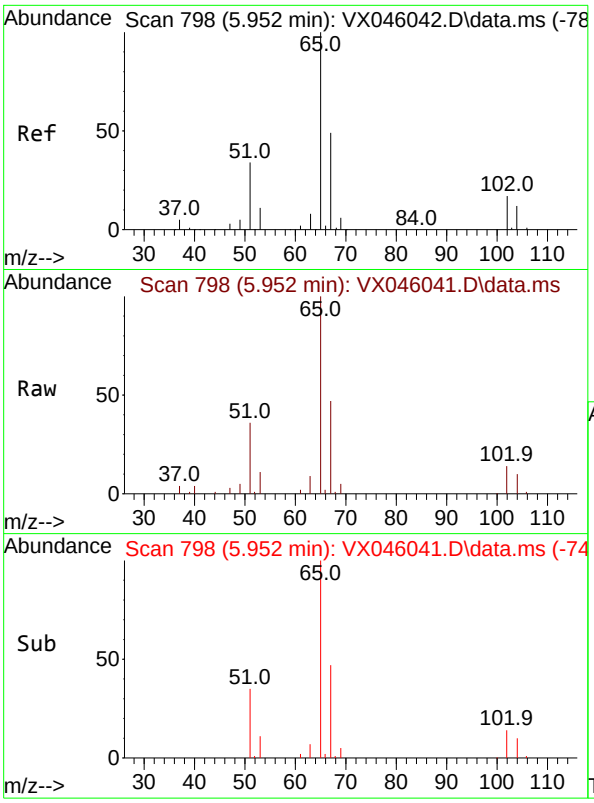



#32
1,1,1-Trichloroethane
Concen: 14.092 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 97 Resp: 37003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.8 | 51.8 | 77.6 |
| 61 | 49.5 | 40.1 | 60.1 |

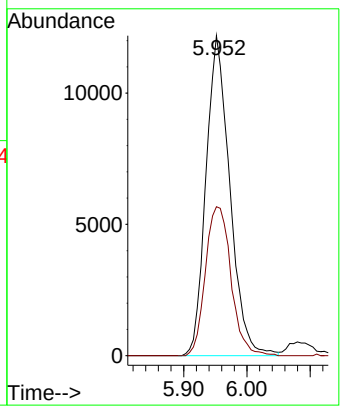





#33
1,2-Dichloroethane-d4
Concen: 12.820 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 65 Resp: 3190

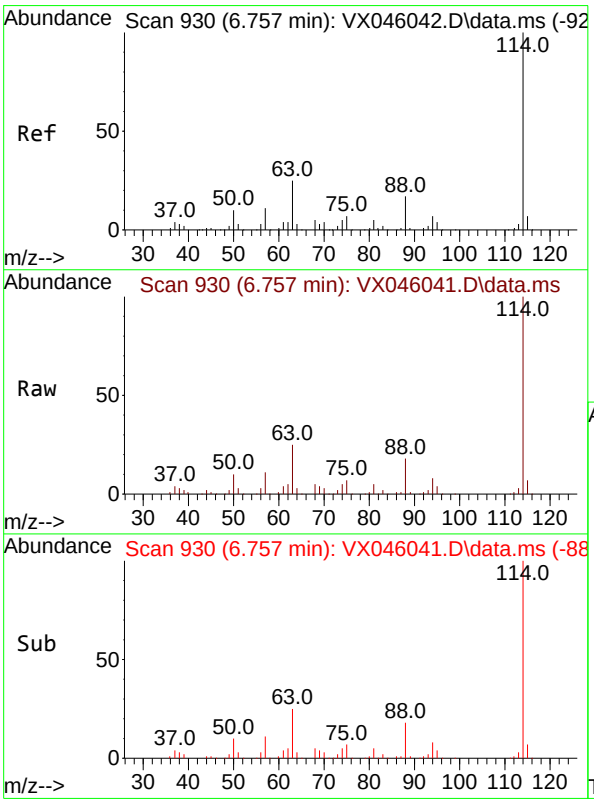
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.9 | 0.0 | 99.0 |




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

**Manual Integrations**
**APPROVED**

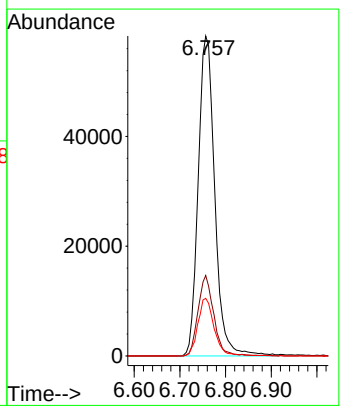
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

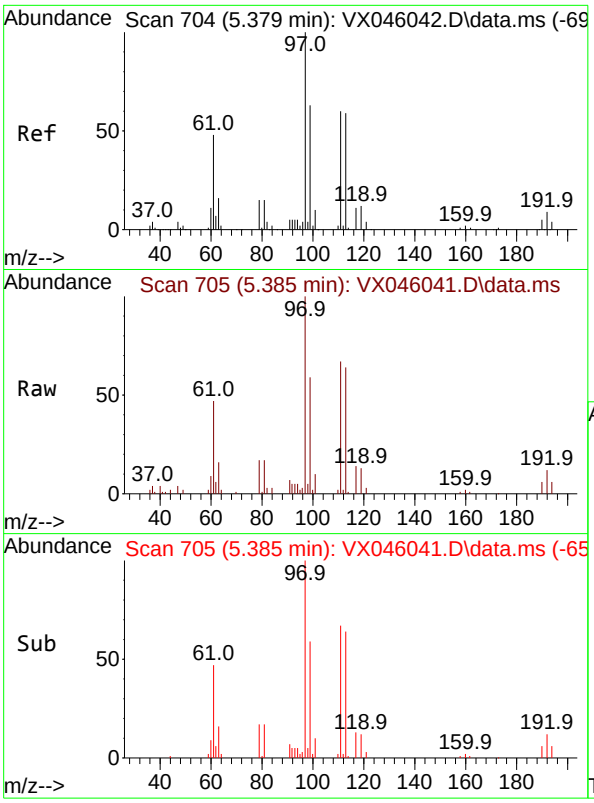



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:114 Resp: 147096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 25.2 | 0.0 | 49.2 |
| 88 | 18.0 | 0.0 | 33.6 |

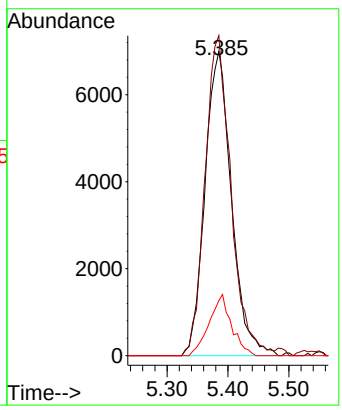





#35
Dibromofluoromethane
Concen: 12.804 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:113 Resp: 2111

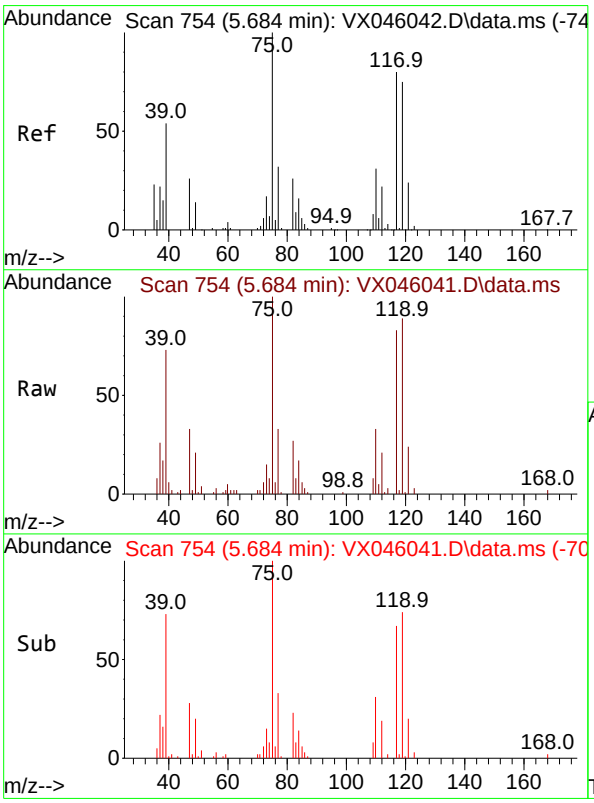
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 83.1 | 124.7 |
| 192 | 17.0 | 13.3 | 19.9 |




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

**Manual Integrations**
**APPROVED**

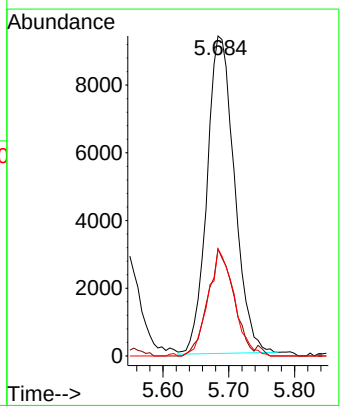
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

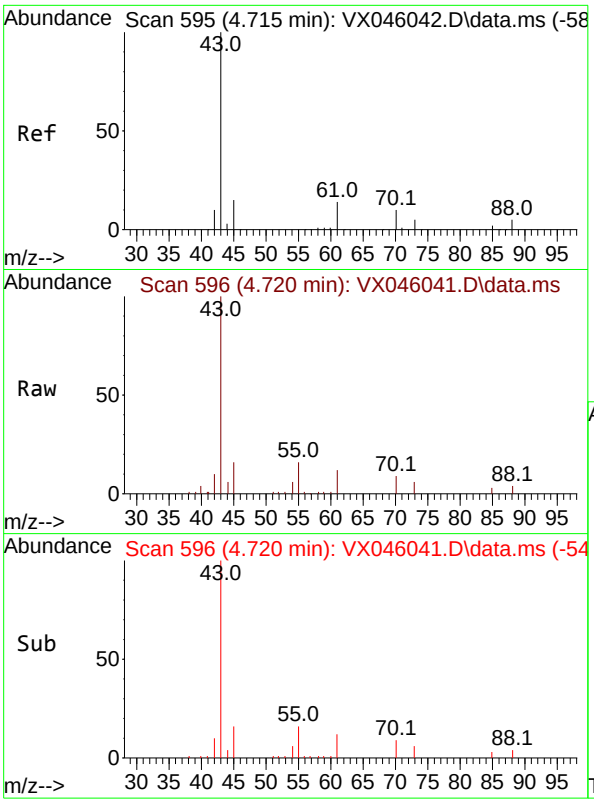



#36
1,1-Dichloropropene
Concen: 14.231 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 27242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 31.6 | 16.3 | 48.9 |
| 77 | 31.9 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 13.931 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

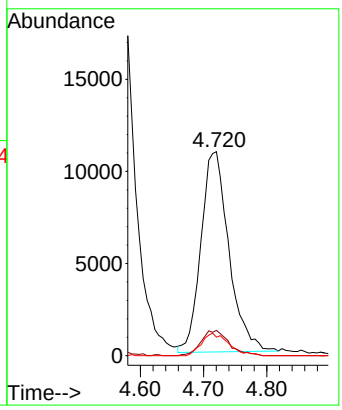
Tgt Ion: 43 Resp: 3345

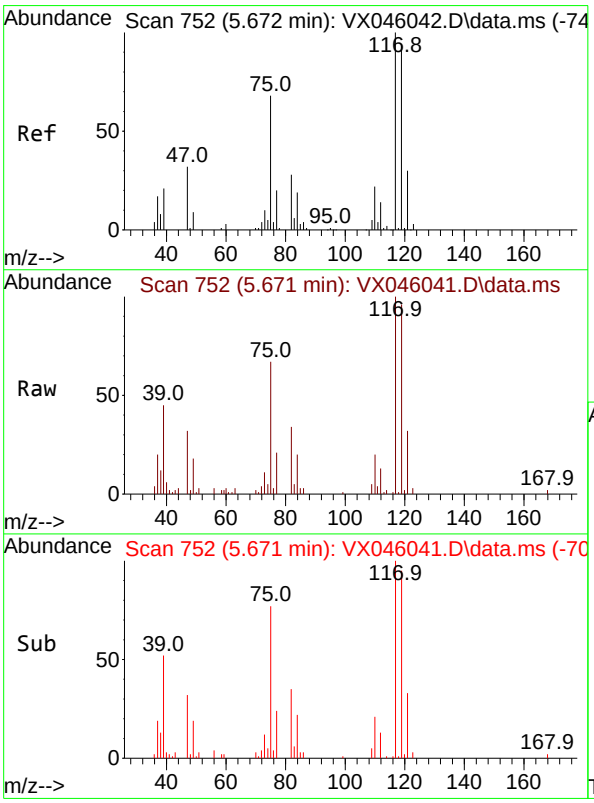
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.6 | 10.3 | 15.5 |
| 70 | 10.9 | 7.9 | 11.9 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

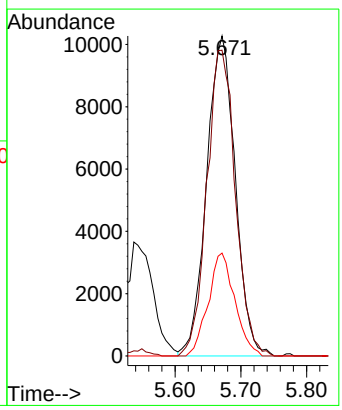


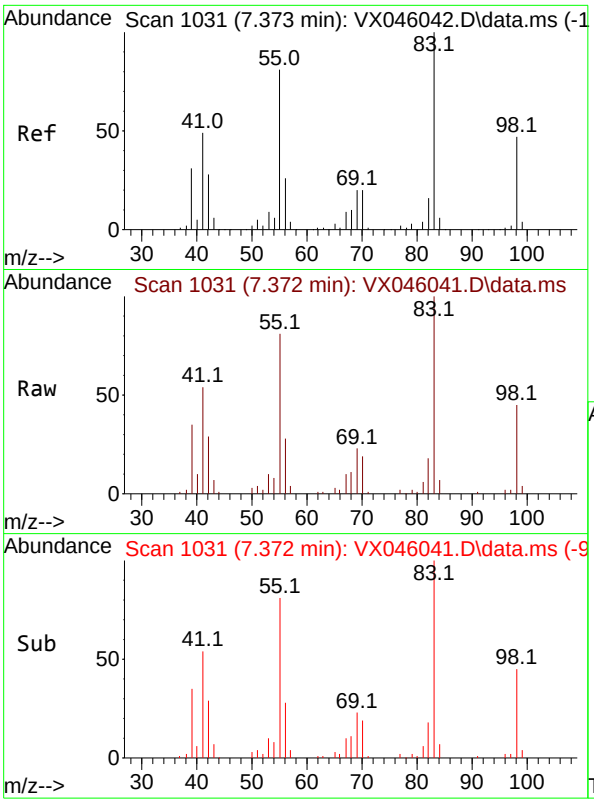




#38
Carbon Tetrachloride
Concen: 14.137 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 31091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 75.2 | 112.8 |
| 121 | 32.1 | 24.2 | 36.4 |

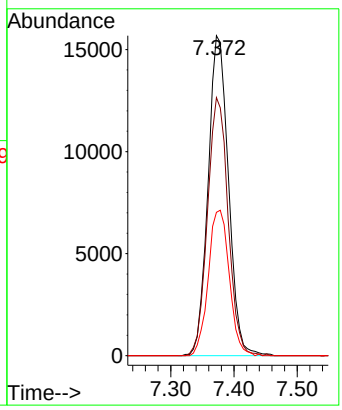





#39
Methylcyclohexane
Concen: 14.623 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 3507

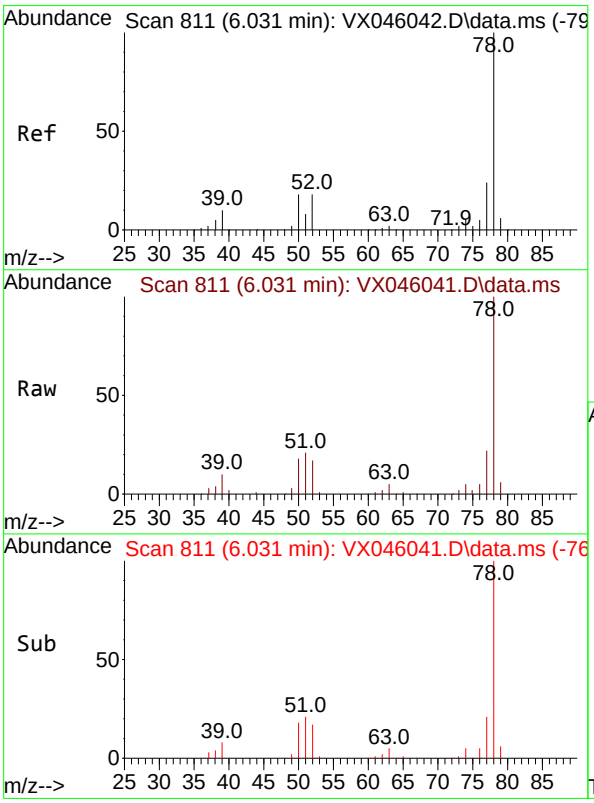
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.7 | 64.7 | 97.1 |
| 98 | 44.8 | 37.4 | 56.2 |




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

**Manual Integrations**
**APPROVED**

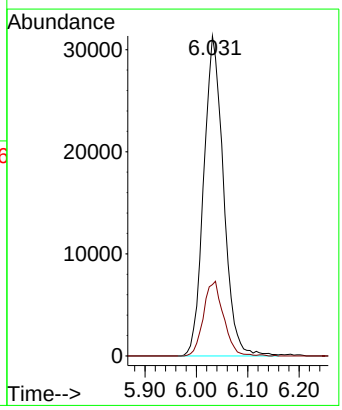
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

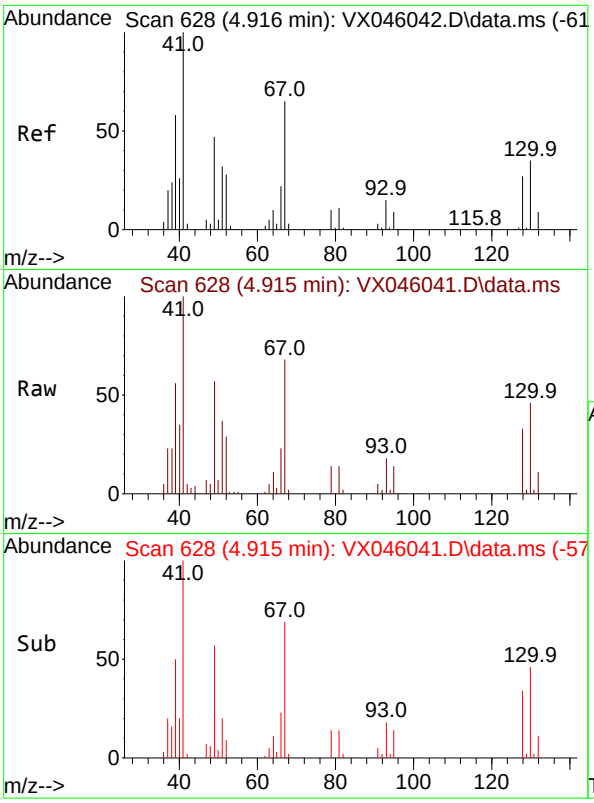



#40
Benzene
Concen: 14.140 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 78 Resp: 83898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.3 | 19.0 | 28.4 |

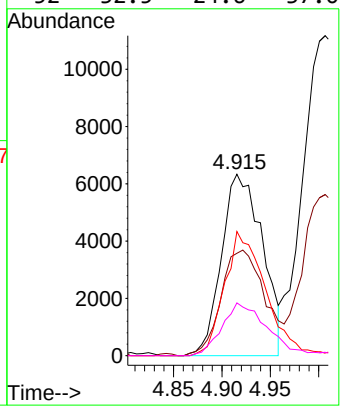





#41
Methacrylonitrile
Concen: 14.038 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 1873

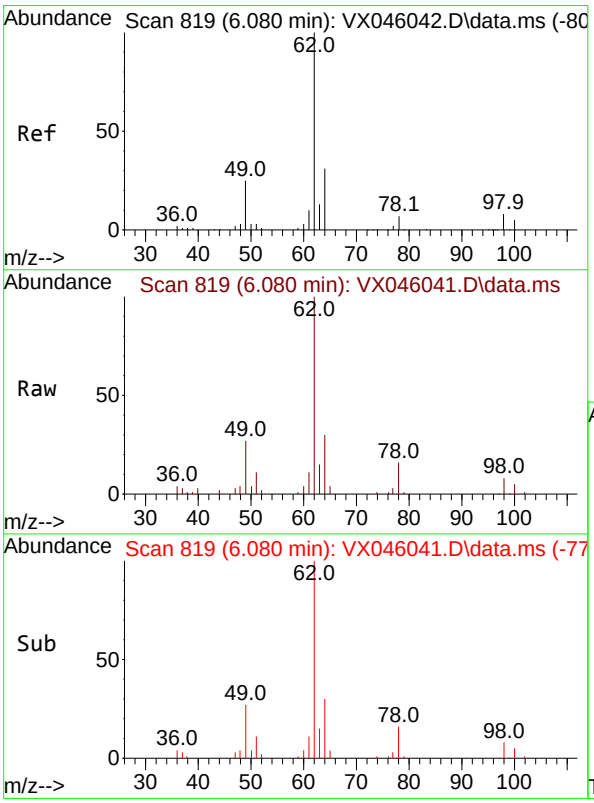
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 62.6 | 47.2 | 70.8 |
| 67 | 68.3 | 50.7 | 76.1 |
| 52 | 32.5 | 24.6 | 37.0 |




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

**Manual Integrations**
**APPROVED**

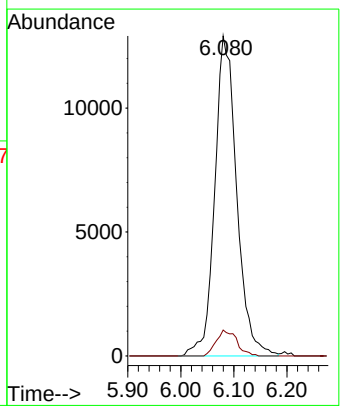
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

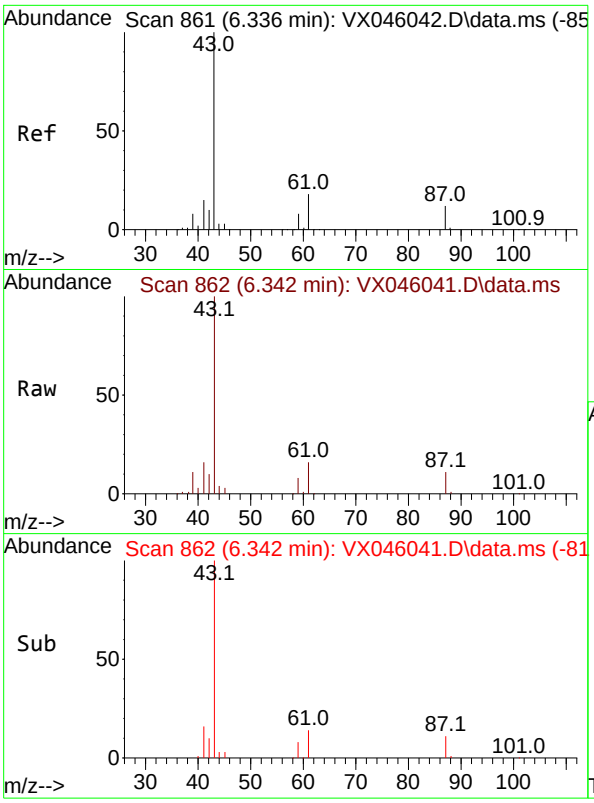



#42
1,2-Dichloroethane
Concen: 15.165 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 37203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.6 | 0.0 | 15.2 |






#43
Isopropyl Acetate
Concen: 14.512 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

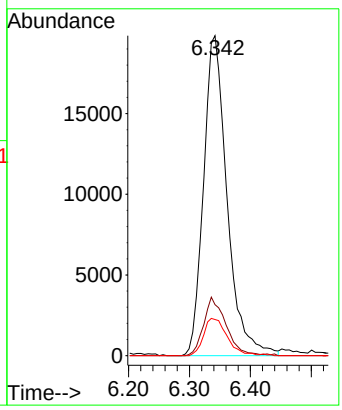
Tgt Ion: 43 Resp: 5327

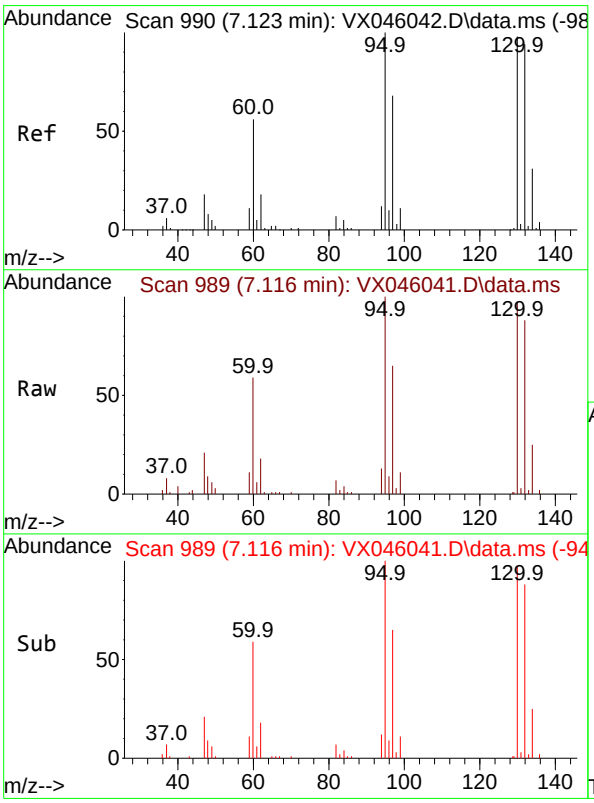
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.3 | 14.3 | 21.5 |
| 87 | 11.6 | 9.5 | 14.3 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

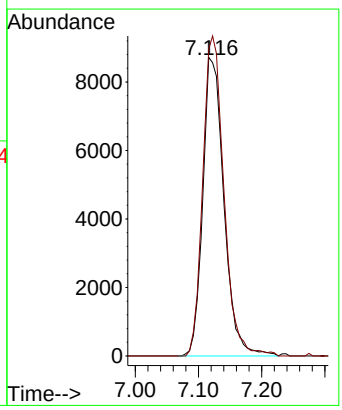


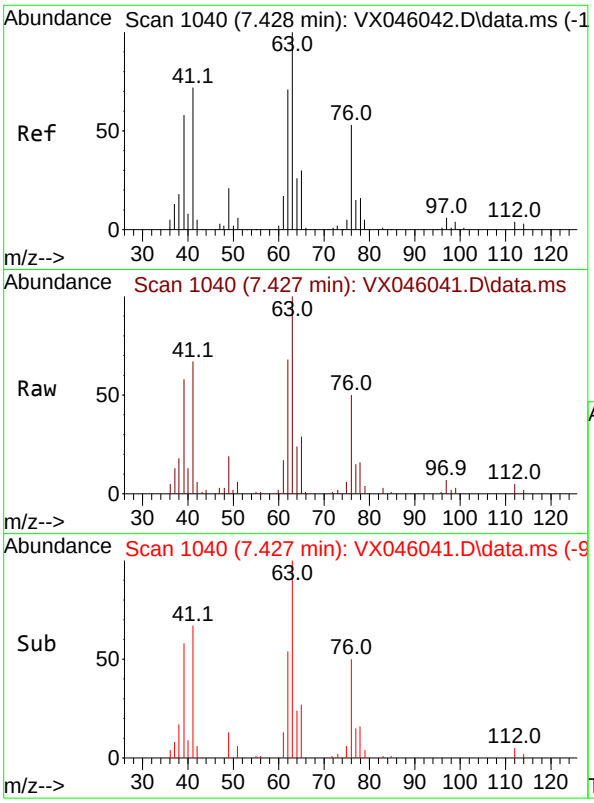




#44
Trichloroethene
Concen: 14.429 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:130 Resp: 20239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.8 | 0.0 | 204.2 |






#45
1,2-Dichloropropane
Concen: 14.204 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

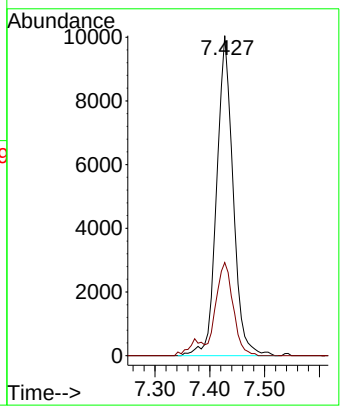
Tgt Ion: 63 Resp: 2094

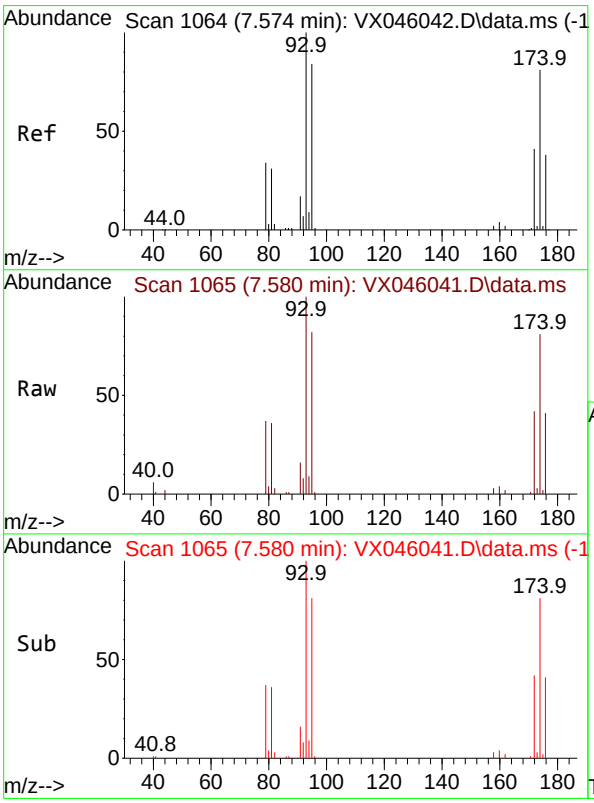
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.1 | 24.1 | 36.1 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

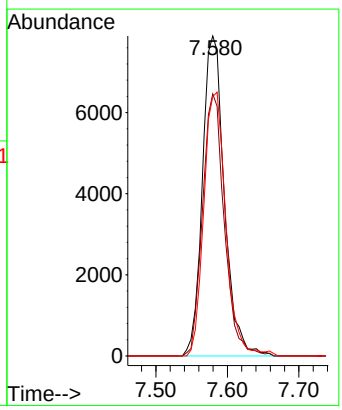


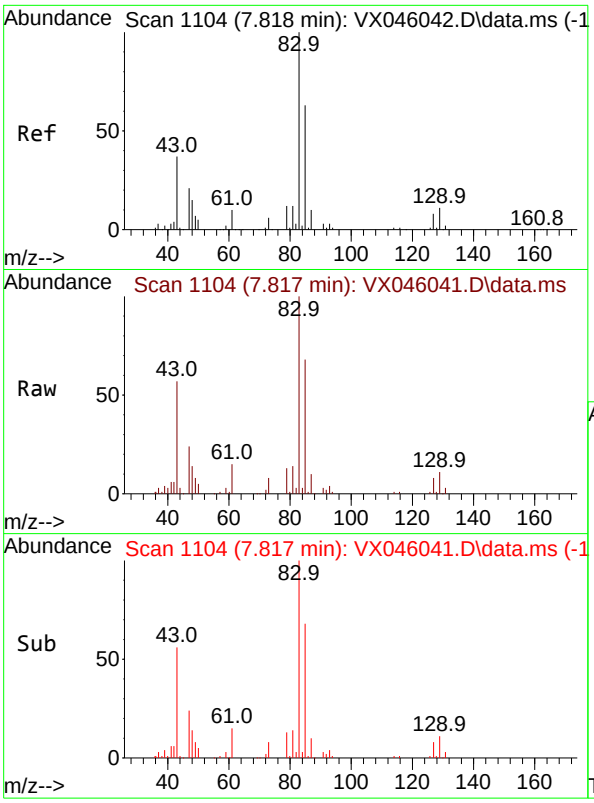




#46
Dibromomethane
Concen: 14.439 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 93 Resp: 16781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.5 | 65.6 | 98.4 |
| 174 | 83.1 | 68.2 | 102.2 |

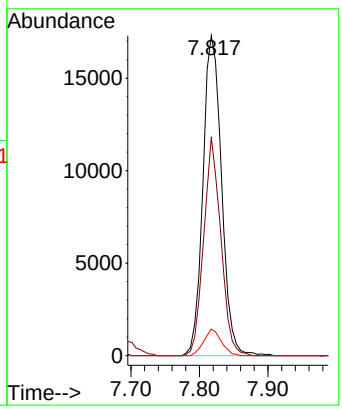





#47
Bromodichloromethane
Concen: 14.545 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 3276

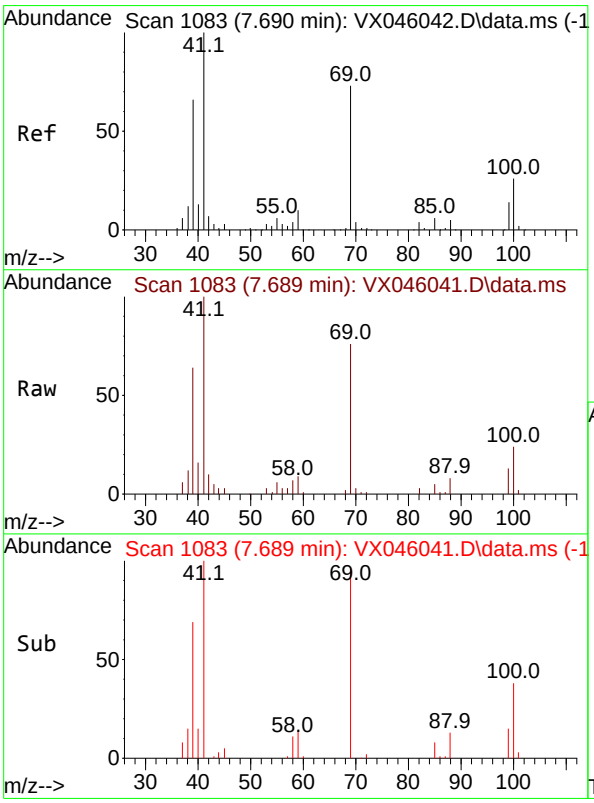
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.4 | 50.5 | 75.7 |
| 127 | 8.3 | 6.5 | 9.7 |




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

**Manual Integrations**
**APPROVED**

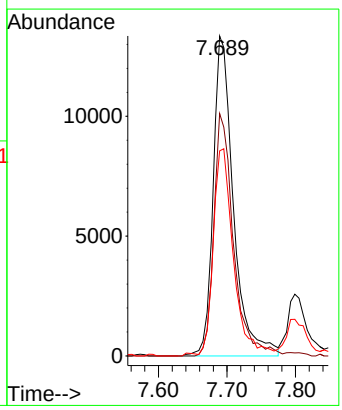
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

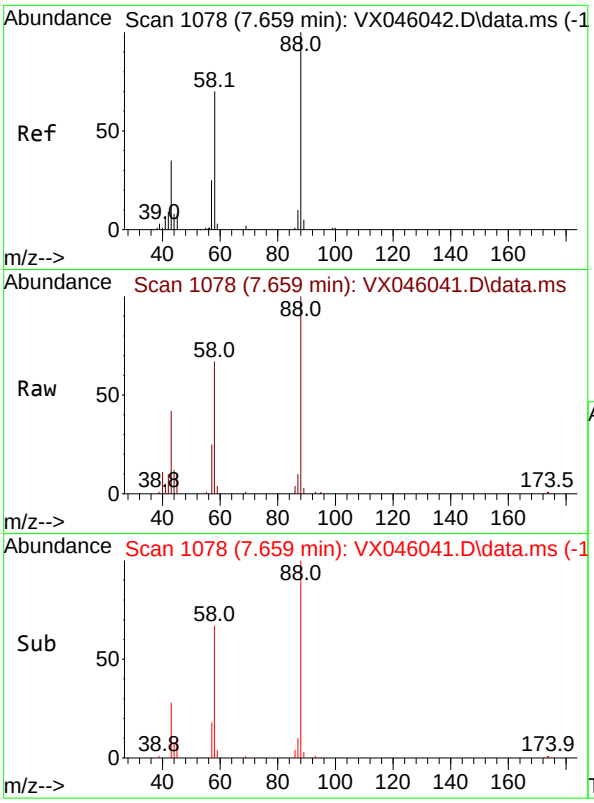



#48
Methyl methacrylate
Concen: 14.521 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 27374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 73.5 | 58.5 | 87.7 |
| 39 | 64.9 | 51.7 | 77.5 |






#49
1,4-Dioxane
Concen: 282.442 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

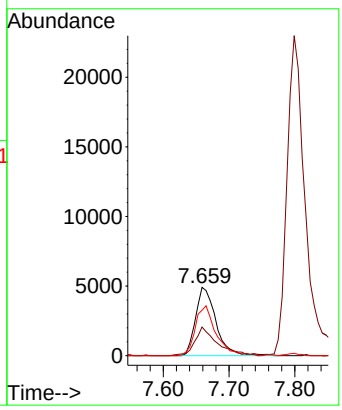
Tgt Ion: 88 Resp: 1058

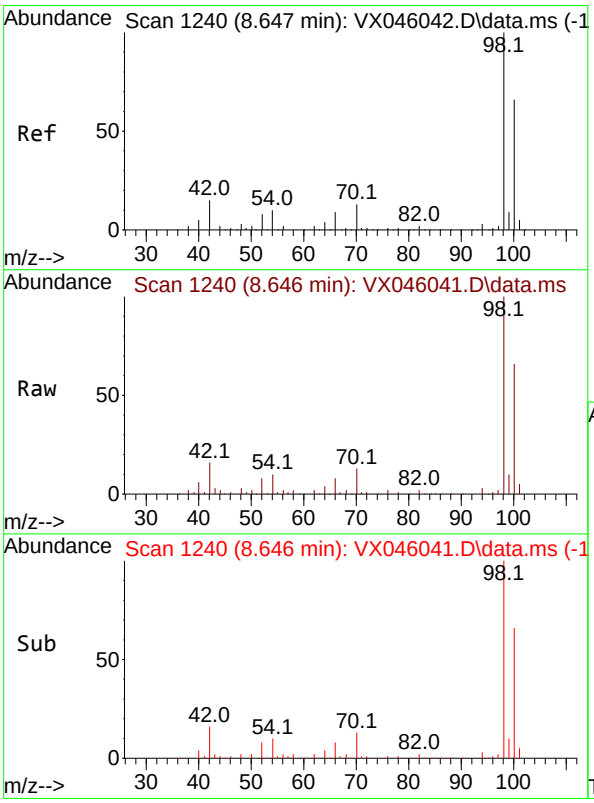
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 45.5 | 33.4 | 50.2 |
| 58 | 73.6 | 58.6 | 88.0 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

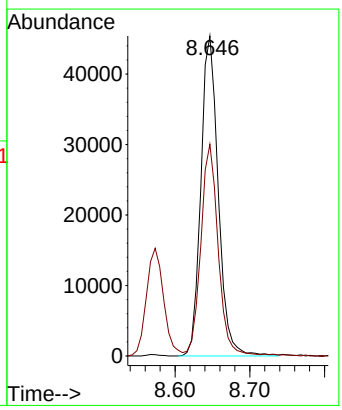


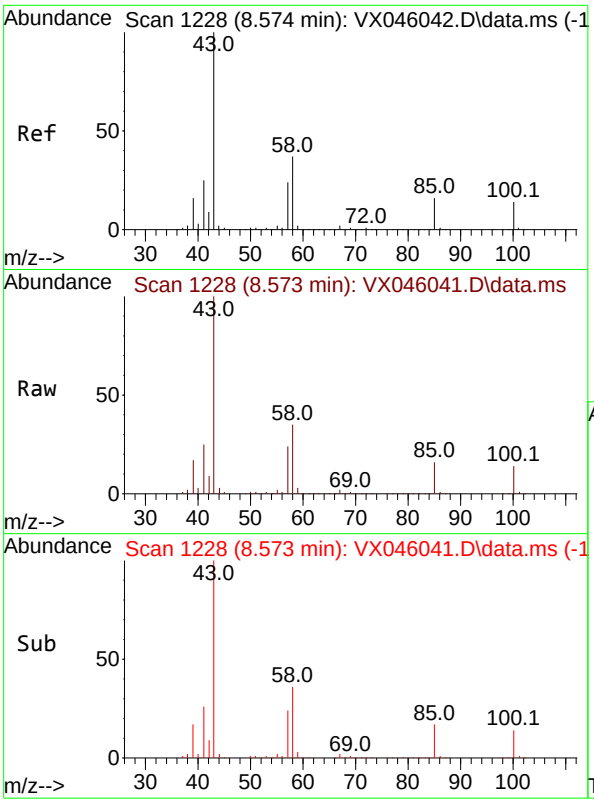




#50
Toluene-d8
Concen: 13.200 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 98 Resp: 73333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 53.5 | 80.3 |






#51
4-Methyl-2-Pentanone
Concen: 75.775 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

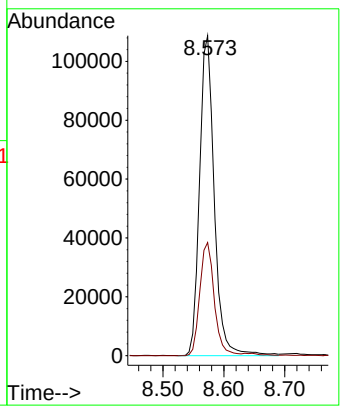
Tgt Ion: 43 Resp: 18245

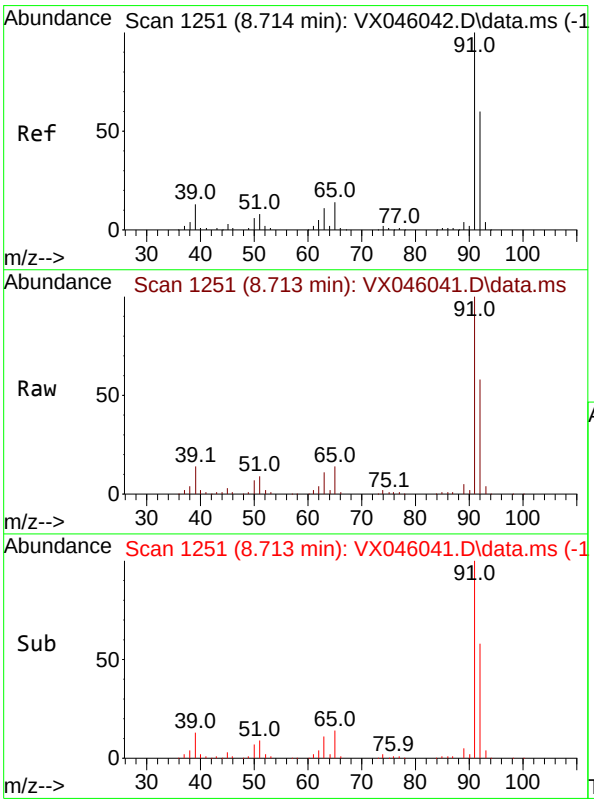
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.8 | 28.9 | 43.3 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

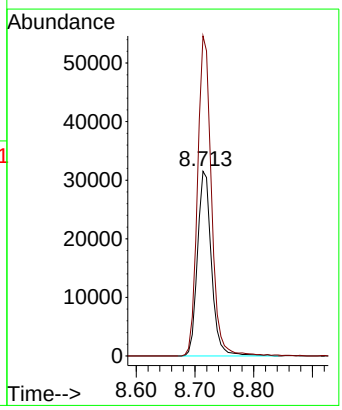


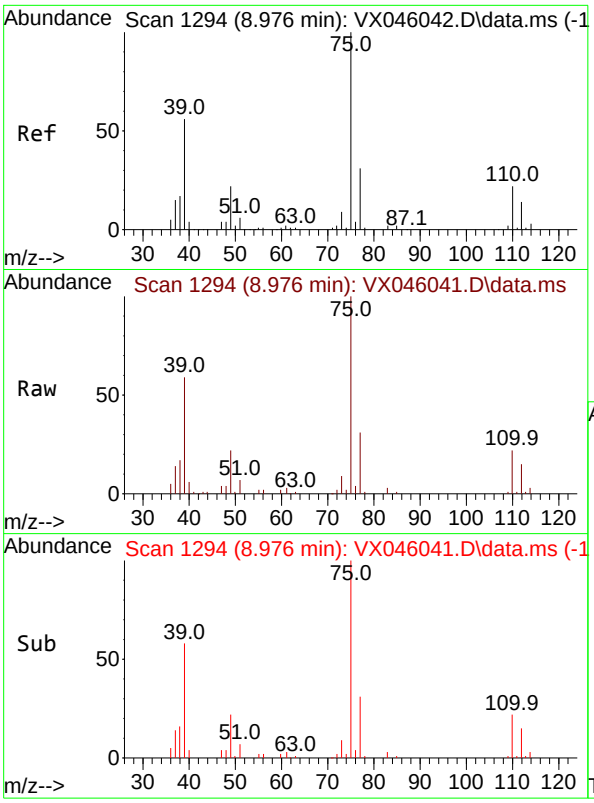




#52
Toluene
Concen: 14.788 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 92 Resp: 52030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.2 | 136.6 | 205.0 |

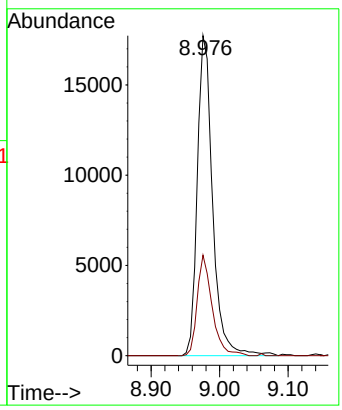





#53
t-1,3-Dichloropropene
Concen: 14.566 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 2754

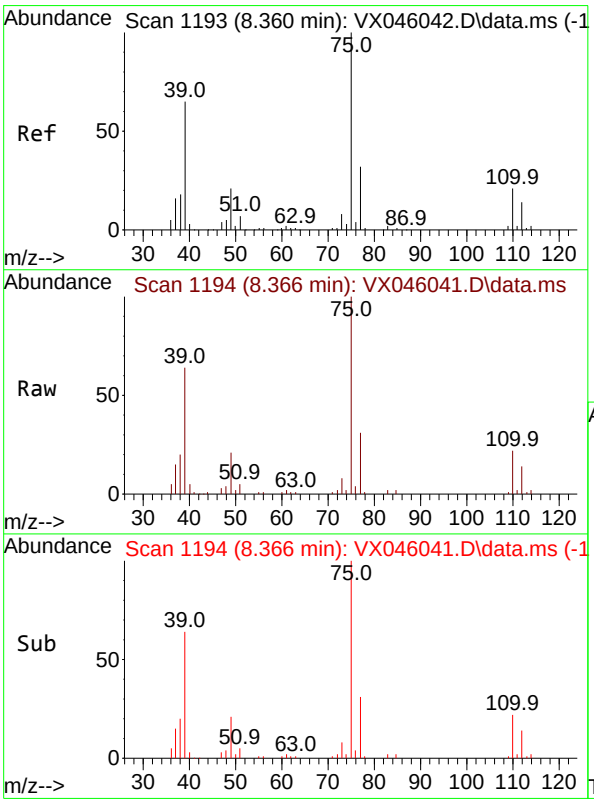
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.0 | 37.6 |




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

**Manual Integrations**
**APPROVED**

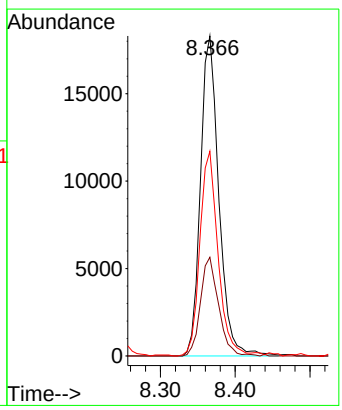
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

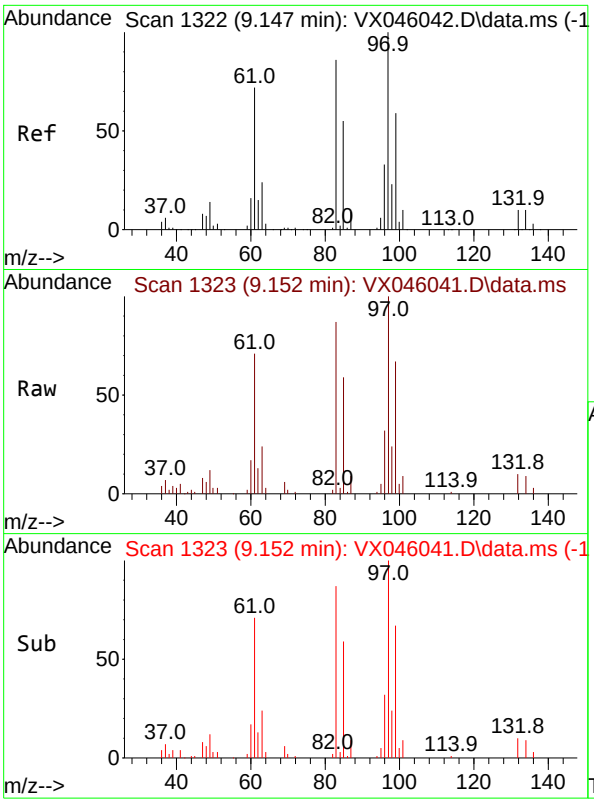



#54
cis-1,3-Dichloropropene
Concen: 14.154 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 31226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.8 | 25.4 | 38.0 |
| 39 | 64.0 | 52.2 | 78.4 |

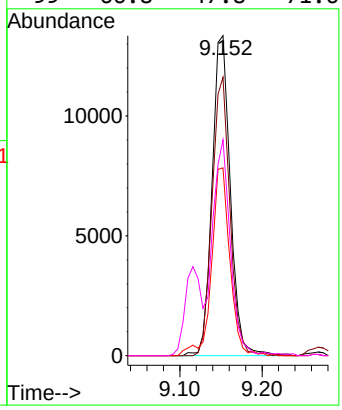





#55
1,1,2-Trichloroethane
Concen: 14.442 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 97 Resp: 2053

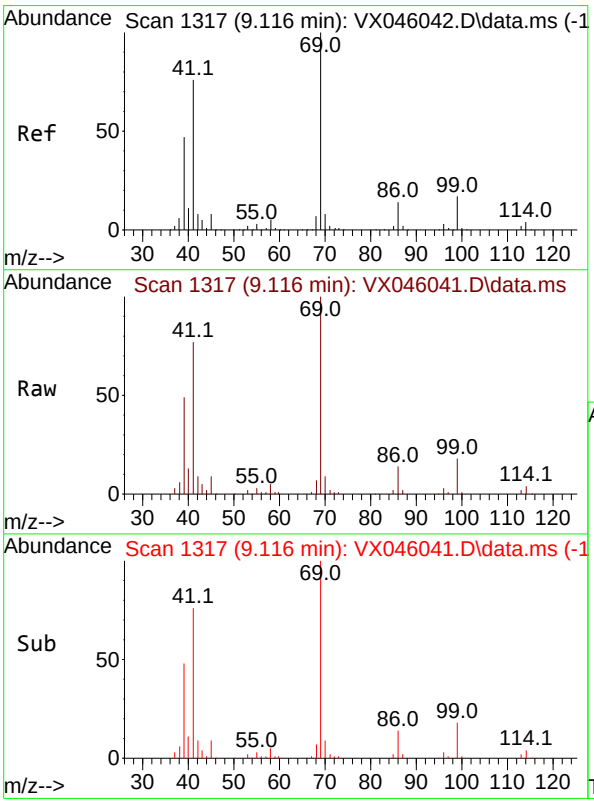
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.0 | 69.0 | 103.6 |
| 85 | 58.7 | 44.3 | 66.5 |
| 99 | 66.8 | 47.8 | 71.6 |




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

**Manual Integrations**
**APPROVED**

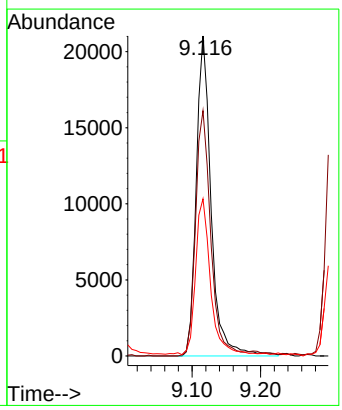
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

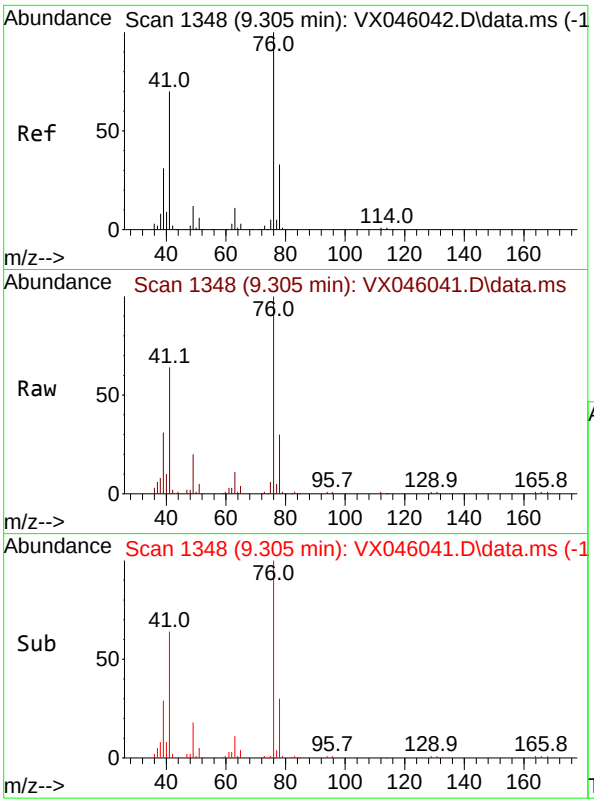



#56
Ethyl methacrylate
Concen: 14.425 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 69 Resp: 31787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 78.2 | 60.8 | 91.2 |
| 39 | 49.3 | 39.0 | 58.6 |

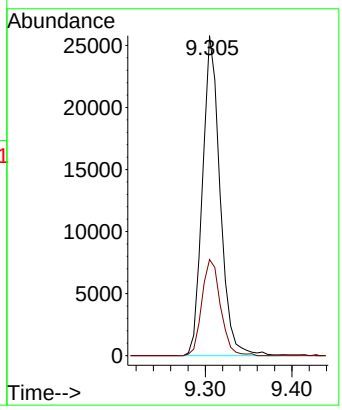





#57
1,3-Dichloropropane
Concen: 14.417 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 76 Resp: 3634

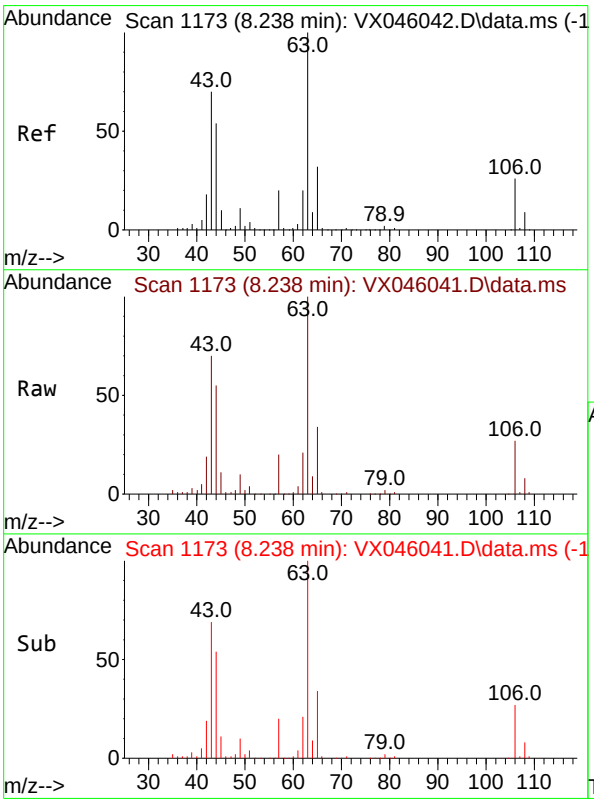
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.8 | 26.3 | 39.5 |




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

**Manual Integrations**
**APPROVED**

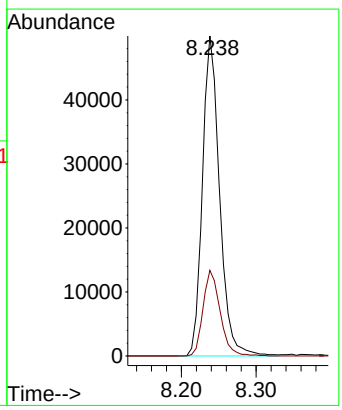
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

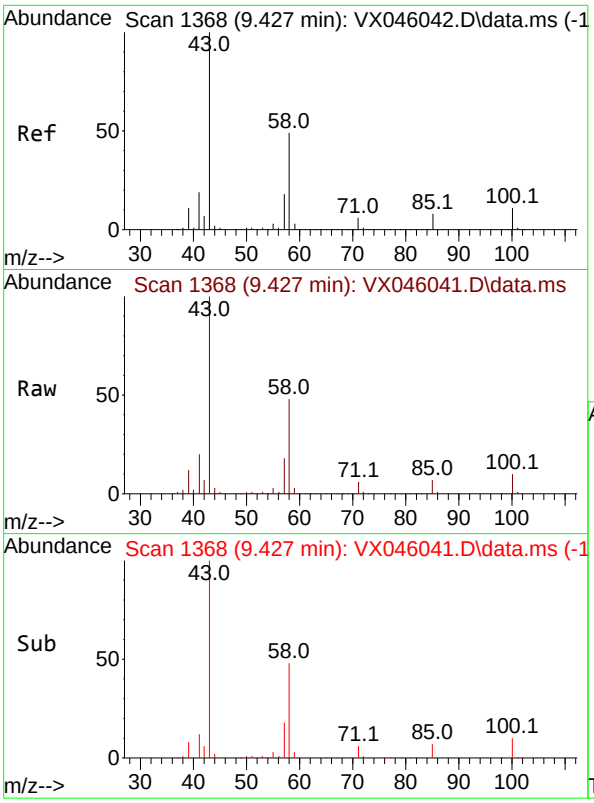



#58
2-Chloroethyl Vinyl ether
Concen: 80.312 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 79531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.7 | 21.5 | 32.3 |






#59
2-Hexanone
Concen: 74.997 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

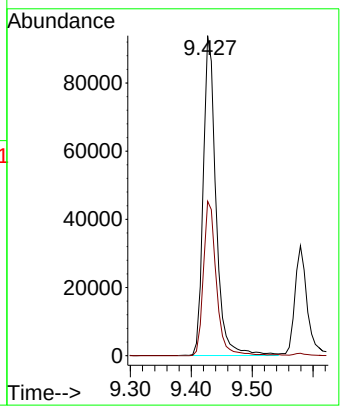
Tgt Ion: 43 Resp: 13705

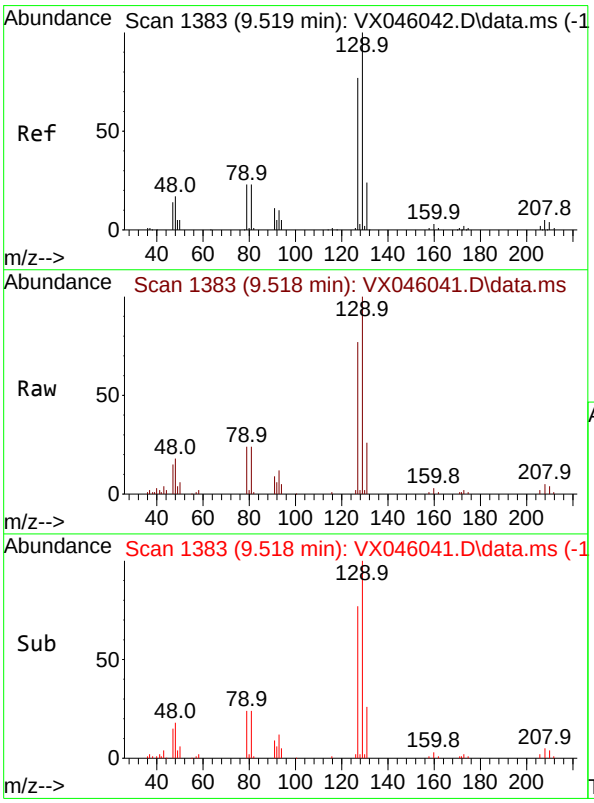
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 48.7 | 24.9 | 74.6 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

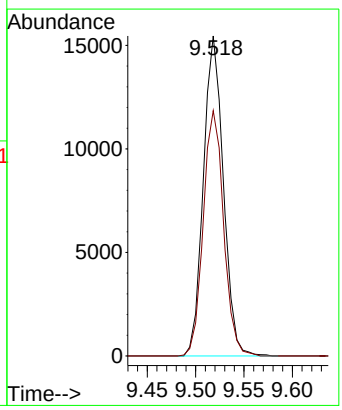


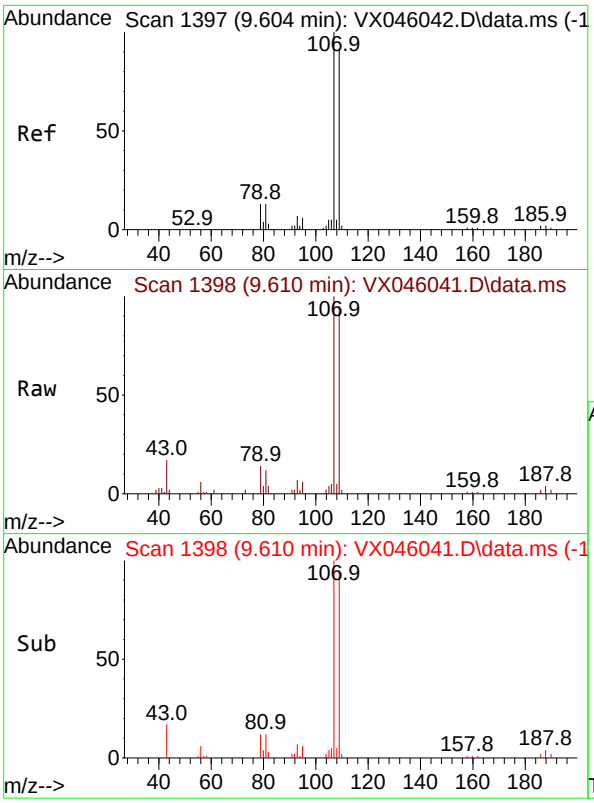




#60
Dibromochloromethane
Concen: 14.387 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:129 Resp: 22267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.0 | 39.3 | 117.8 |

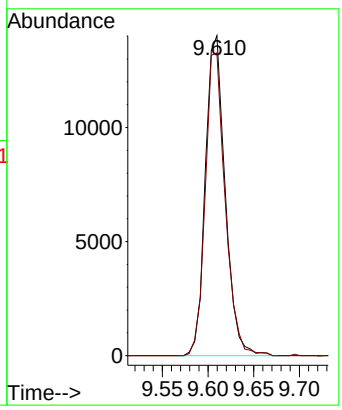





#61
1,2-Dibromoethane
Concen: 14.458 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:107 Resp: 2111

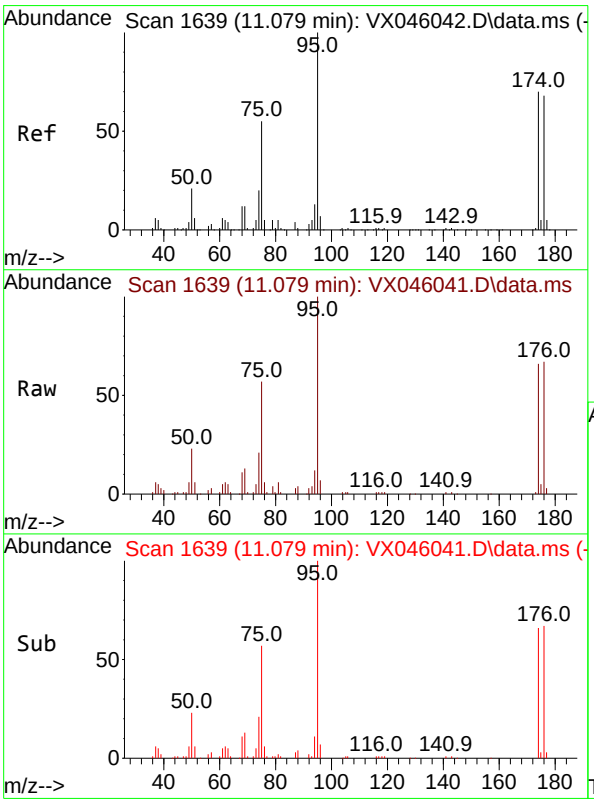
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.3 | 73.3 | 109.9 |




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

**Manual Integrations**
**APPROVED**

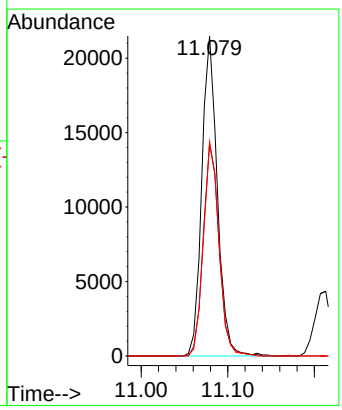
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

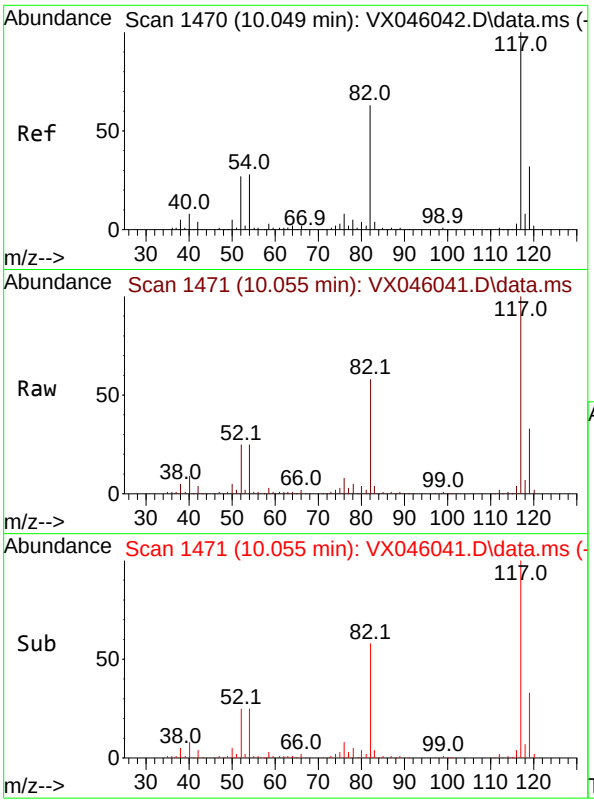



#62
4-Bromofluorobenzene
Concen: 13.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 95 Resp: 26760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.4 | 0.0 | 135.8 |
| 176 | 67.0 | 0.0 | 131.4 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

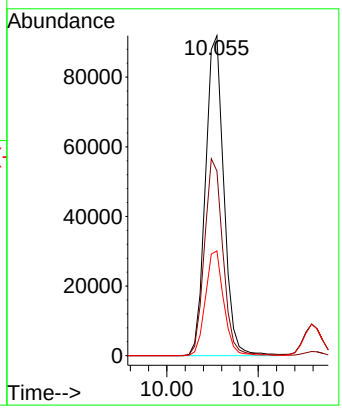
Tgt Ion:117 Resp: 12782

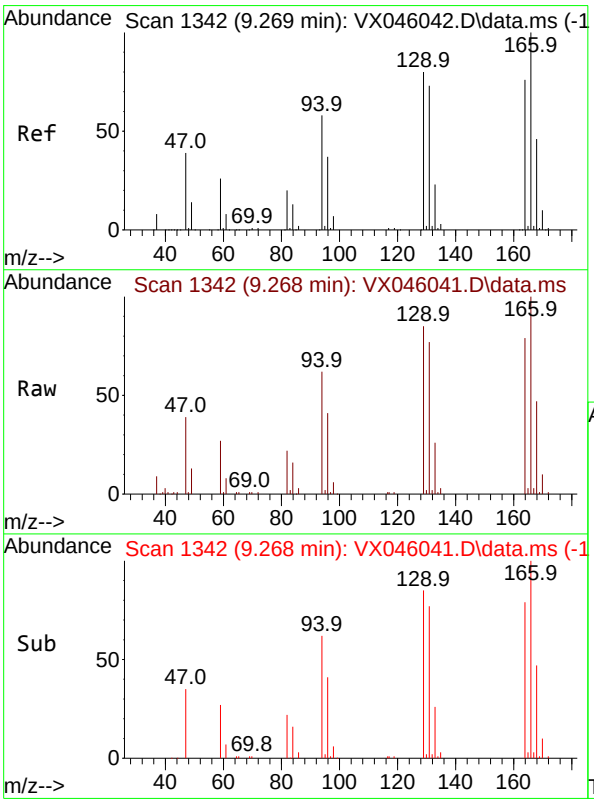
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.7 | 50.6 | 76.0 |
| 119 | 32.7 | 25.8 | 38.6 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

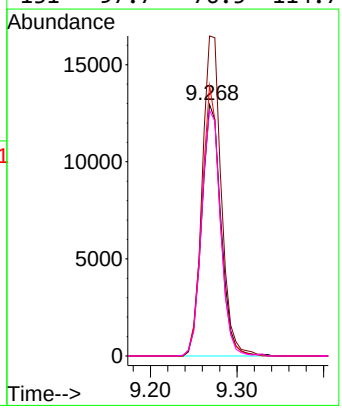


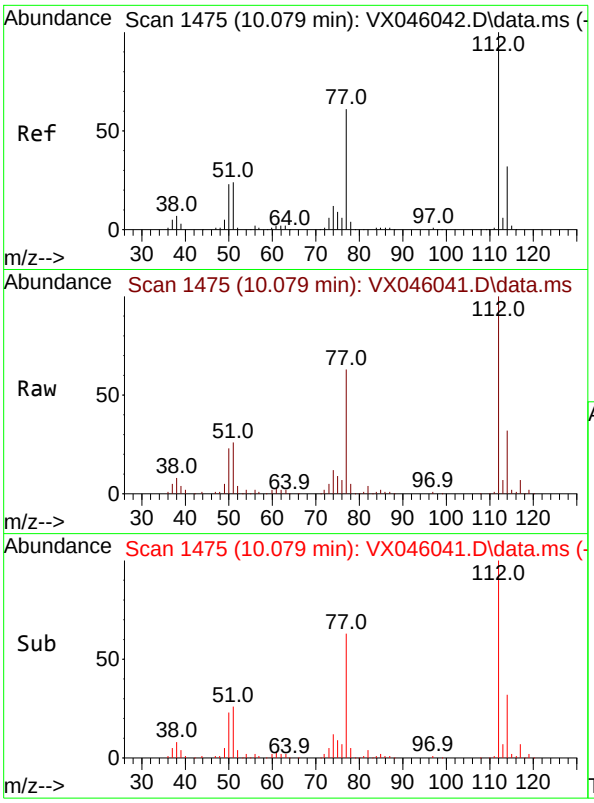




#64
Tetrachloroethene
Concen: 15.263 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:164 Resp: 19924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.2 | 105.0 | 157.6 |
| 129 | 107.6 | 83.5 | 125.3 |
| 131 | 97.7 | 76.5 | 114.7 |

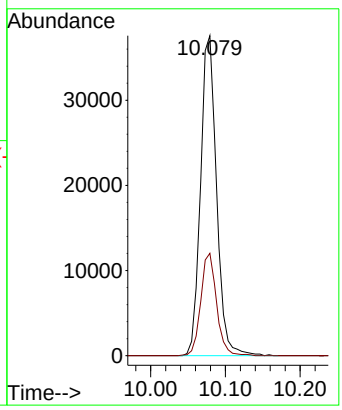





#65
Chlorobenzene
Concen: 14.202 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:112 Resp: 5586

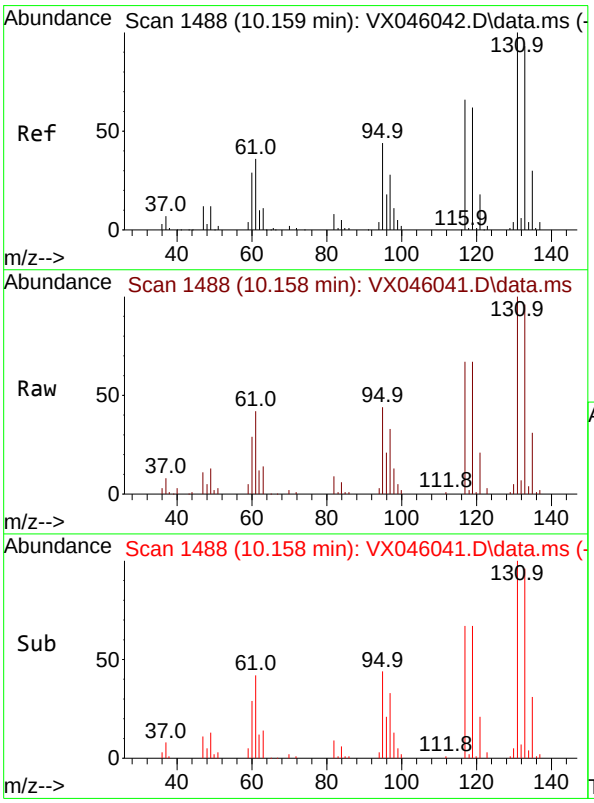
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 25.4 | 38.2 |




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

**Manual Integrations**
**APPROVED**

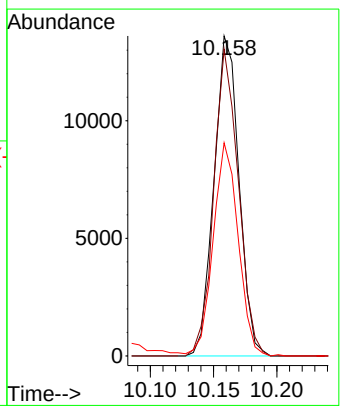
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

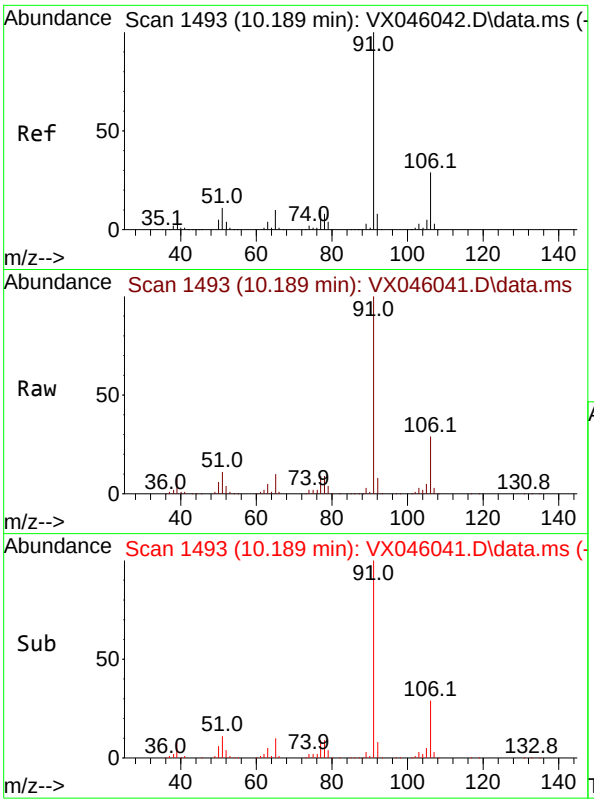



#66
1,1,1,2-Tetrachloroethane
Concen: 14.231 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:131 Resp: 18671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.5 | 47.3 | 141.9 |
| 119 | 66.7 | 31.6 | 95.0 |






#67
Ethyl Benzene
Concen: 14.631 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

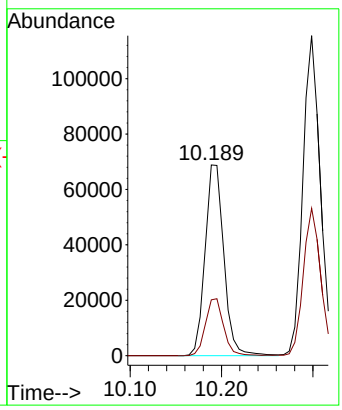
Tgt Ion: 91 Resp: 9811

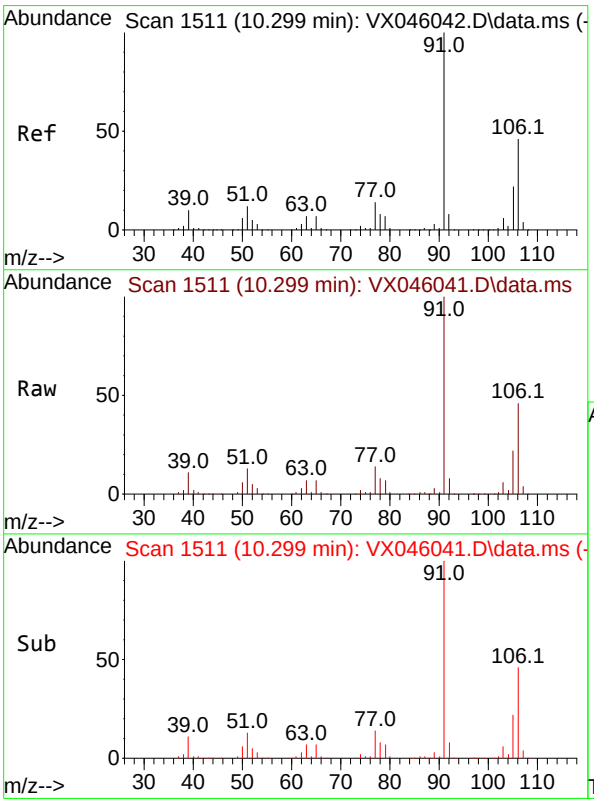
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.3 | 23.4 | 35.2 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

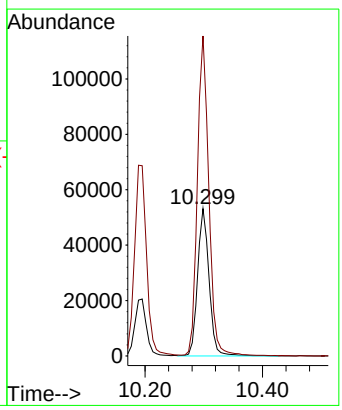


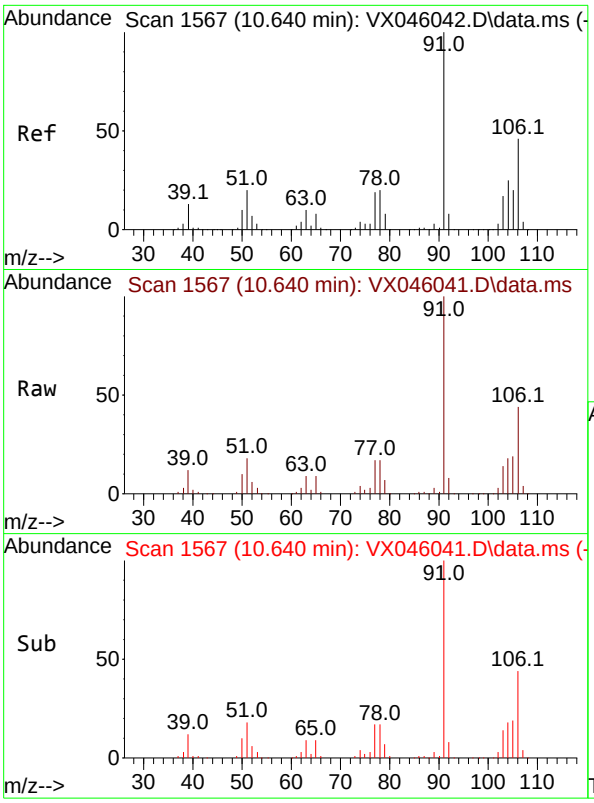




#68
m/p-Xylenes
Concen: 29.806 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:106 Resp: 72202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.1 | 171.2 | 256.8 |






#69
o-Xylene
Concen: 14.408 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

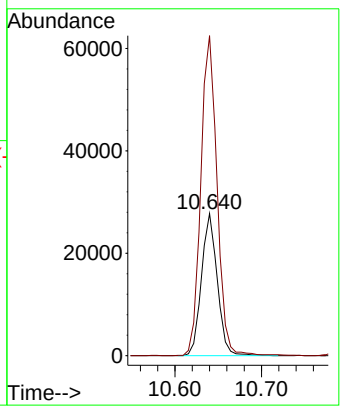
Tgt Ion:106 Resp: 3517

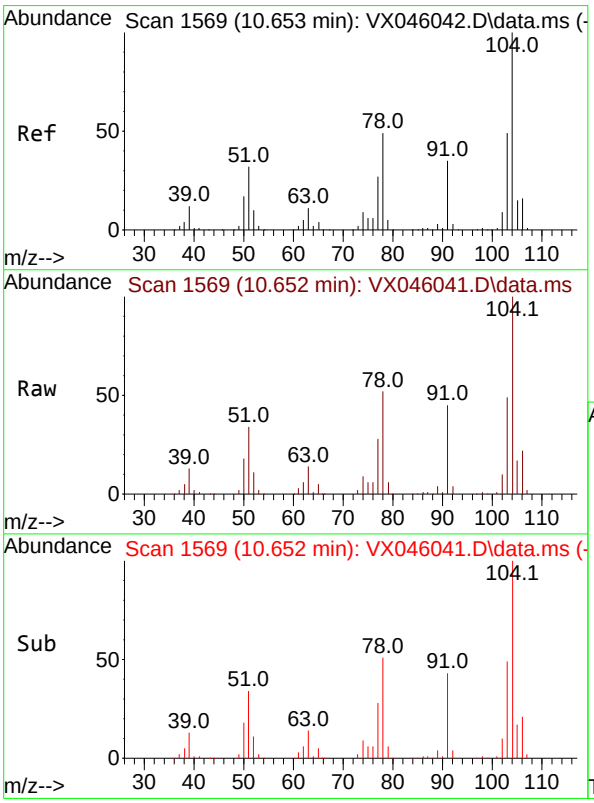
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 231.7 | 112.7 | 338.1 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

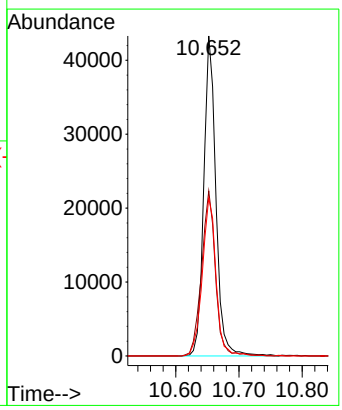


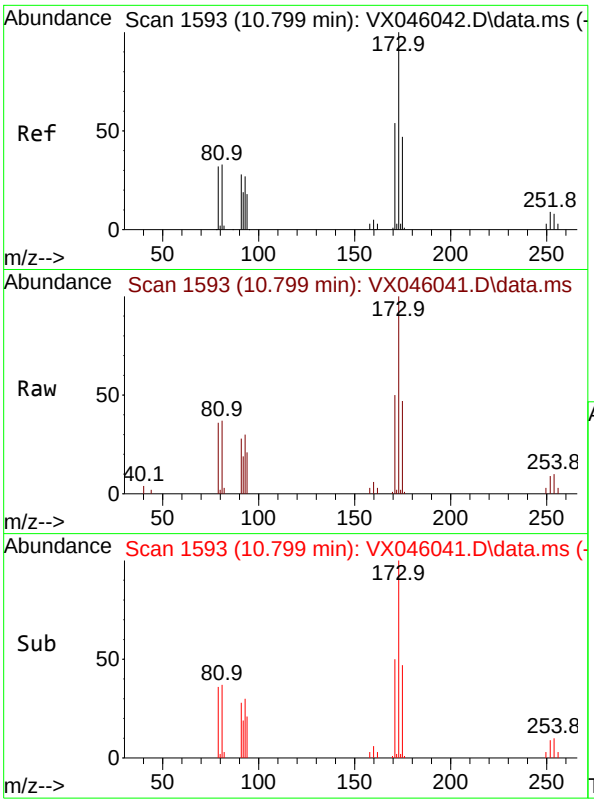




#70
Styrene
Concen: 14.853 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:104 Resp: 58034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 58.7 | 45.7 | 68.5 |
| 103 | 55.6 | 43.7 | 65.5 |

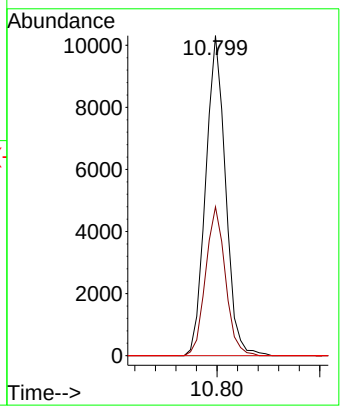





#71
Bromoform
Concen: 14.030 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:173 Resp: 1382

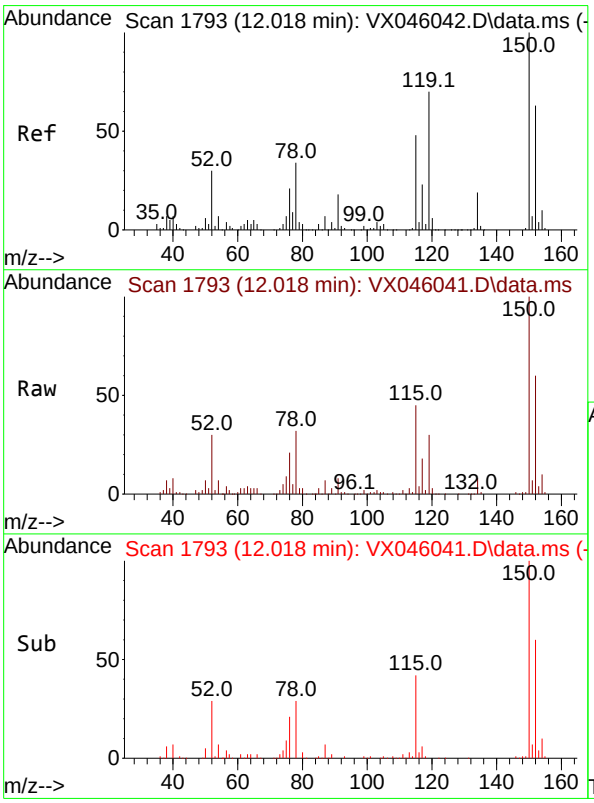
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.4 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |




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

**Manual Integrations**
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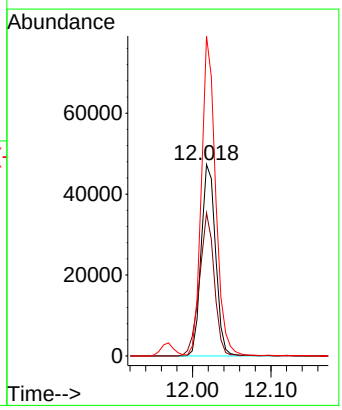
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

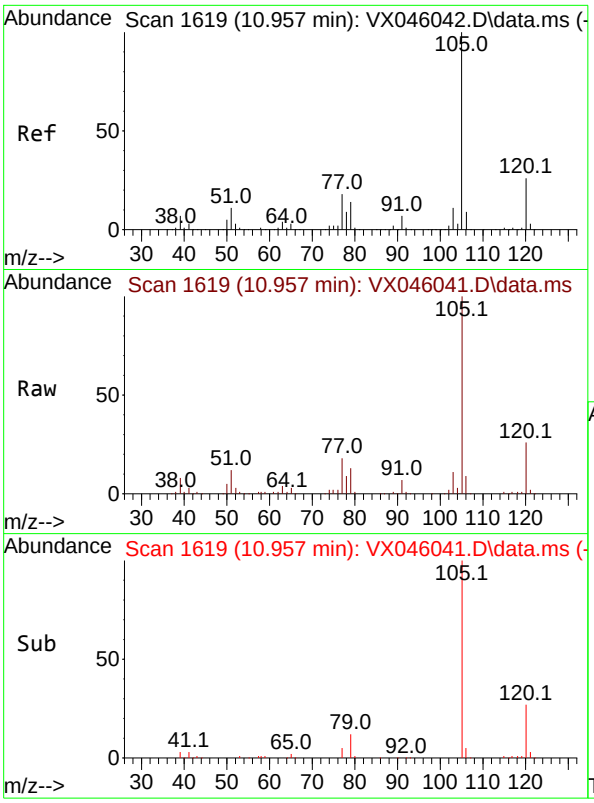



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:152 Resp: 60503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 76.6 | 46.9 | 140.7 |
| 150 | 163.6 | 0.0 | 351.0 |






#73
Isopropylbenzene
Concen: 14.096 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

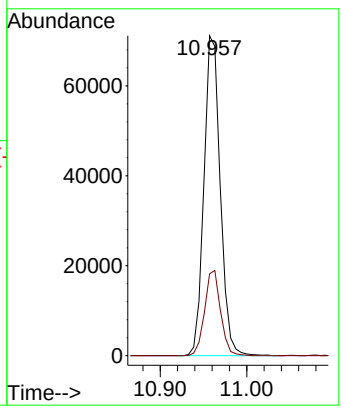
Tgt Ion:105 Resp: 9301

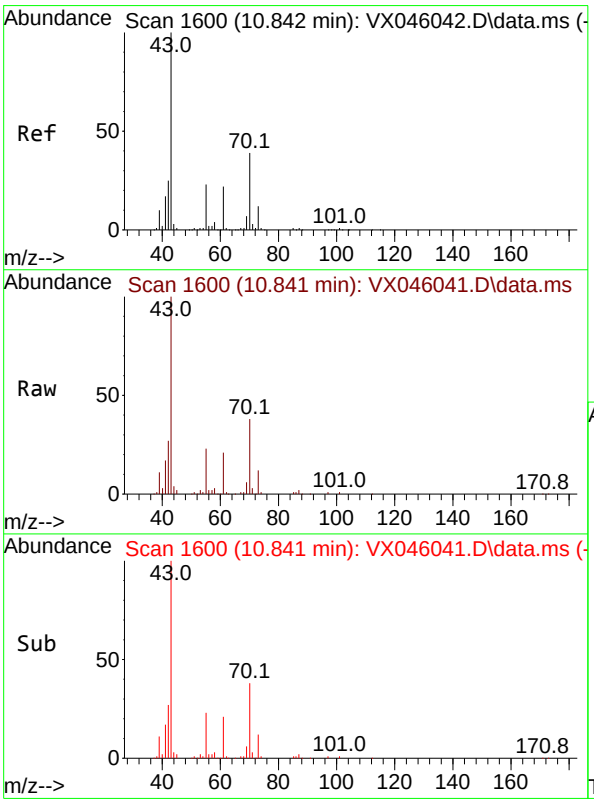
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.1 | 12.8 | 38.4 |

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

**Manual Integrations**
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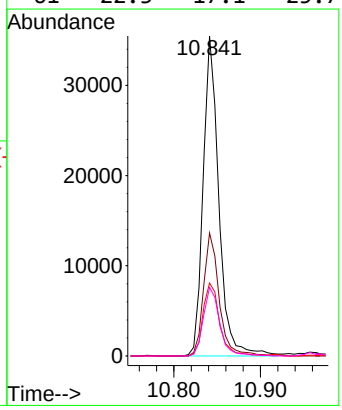


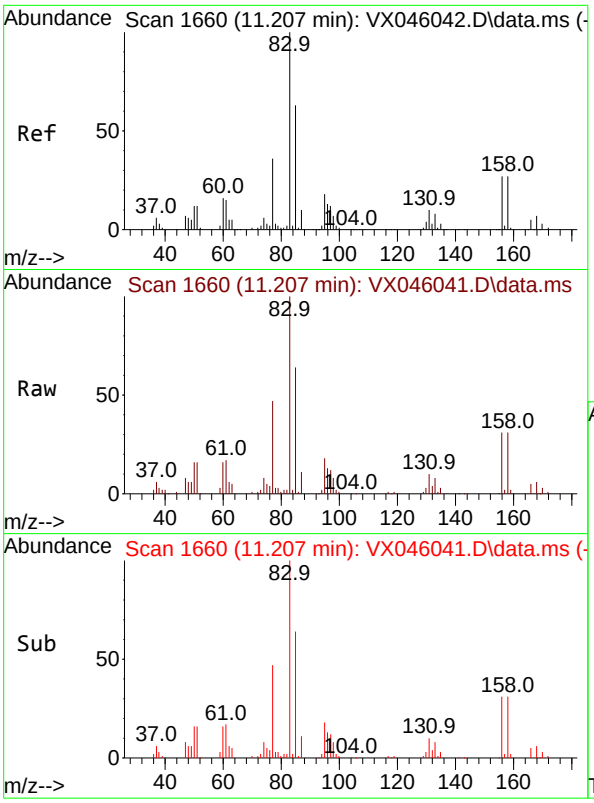




#74
N-amyl acetate
Concen: 13.581 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 44684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.5 | 30.9 | 46.3 |
| 55 | 24.1 | 18.7 | 28.1 |
| 61 | 22.3 | 17.1 | 25.7 |

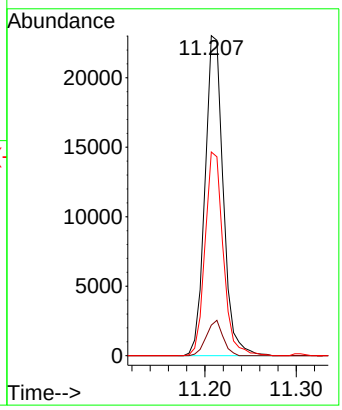





#75
1,1,2,2-Tetrachloroethane
Concen: 13.560 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 3183

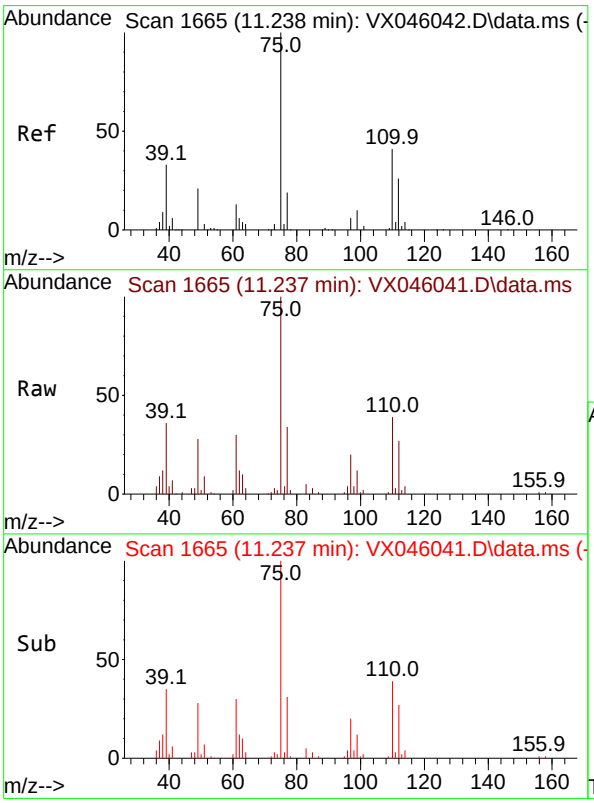
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.0 | 14.9 |
| 85 | 63.3 | 31.9 | 95.7 |




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

**Manual Integrations**
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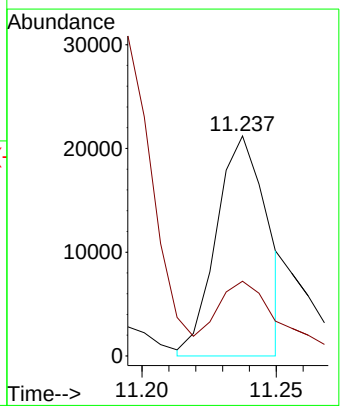
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

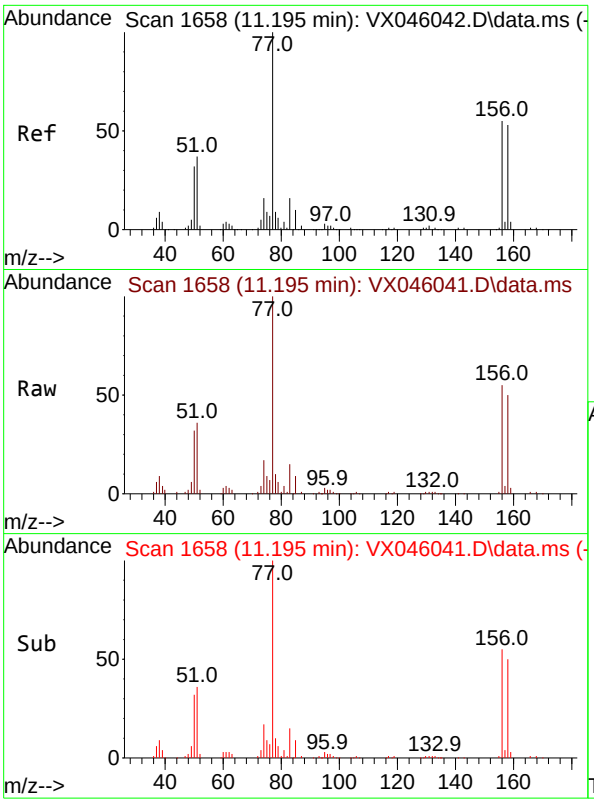



#76
1,2,3-Trichloropropane
Concen: 11.039 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 27845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.0 | 20.5 | 61.5 |






#77
Bromobenzene
Concen: 14.212 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

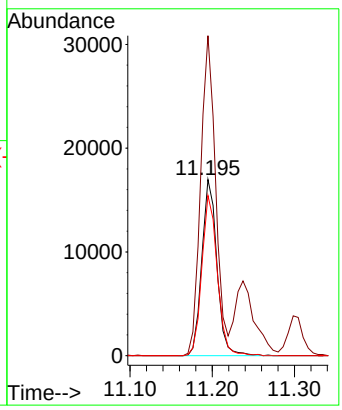
Tgt Ion:156 Resp: 2169

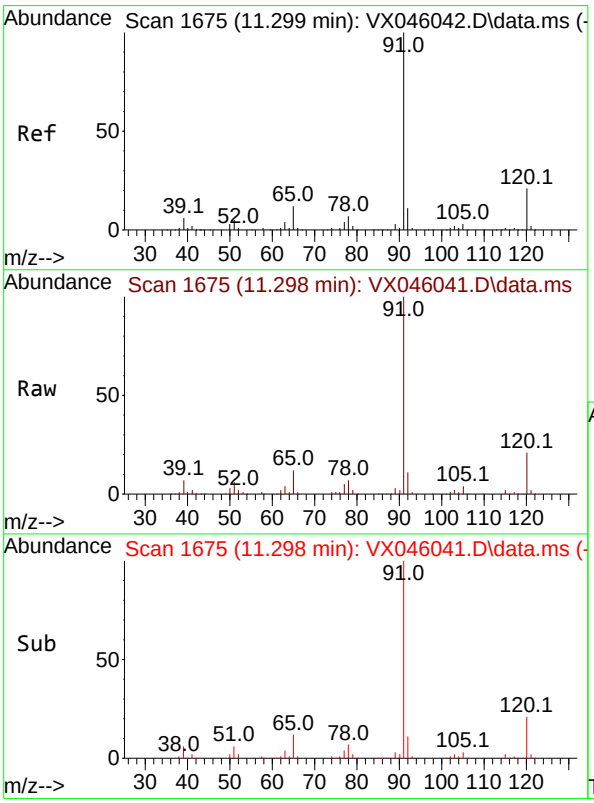
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 179.9 | 92.8 | 278.3 |
| 158 | 93.1 | 48.8 | 146.3 |

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

**Manual Integrations**
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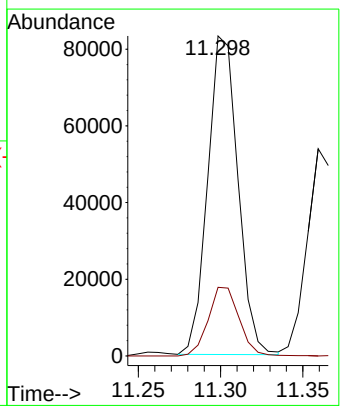


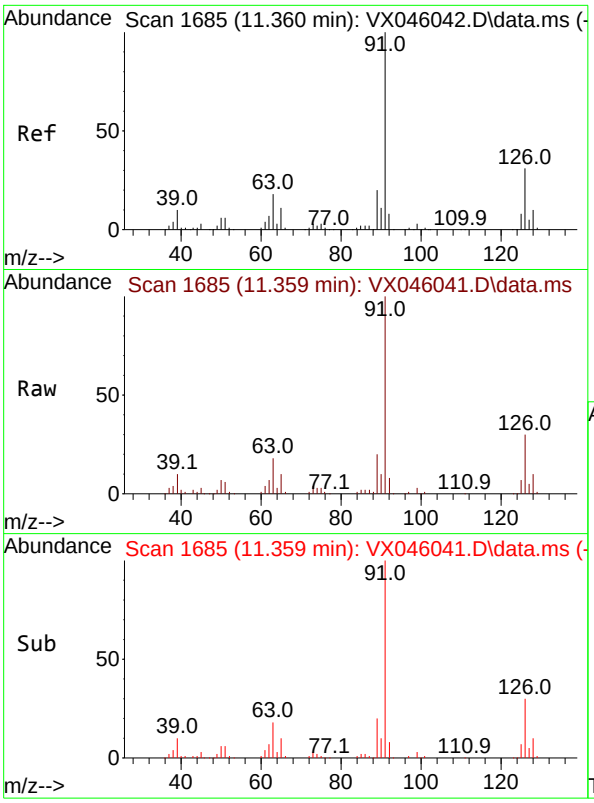




#78
n-propylbenzene
Concen: 14.376 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 106337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.0 | 10.8 | 32.4 |






#79
2-Chlorotoluene
Concen: 13.748 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

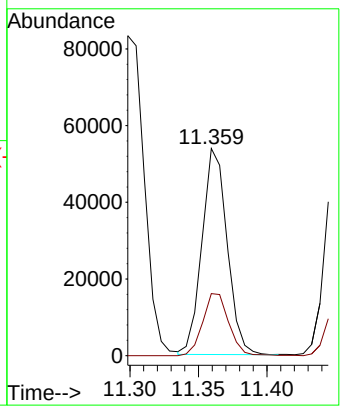
Tgt Ion: 91 Resp: 6853

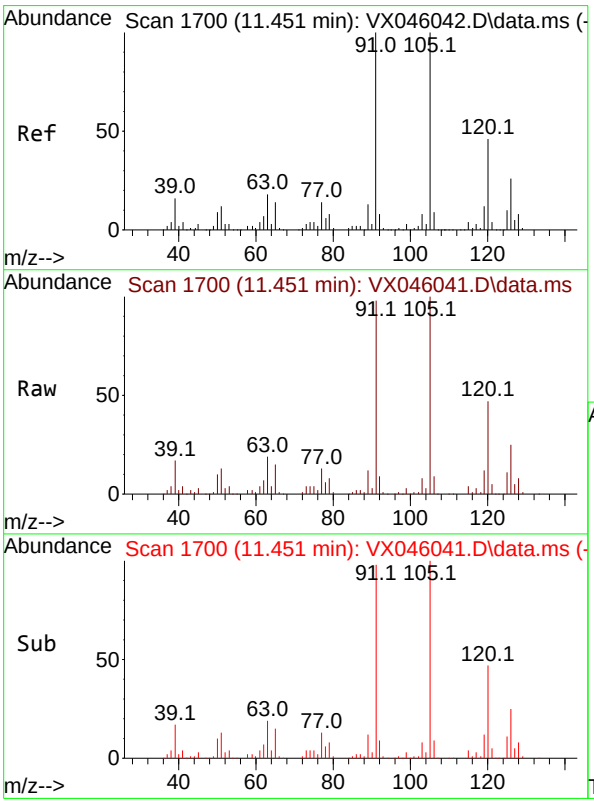
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.4 | 15.6 | 46.7 |

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

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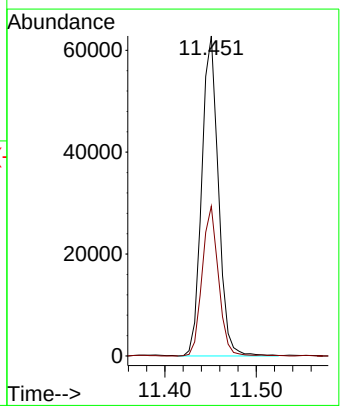


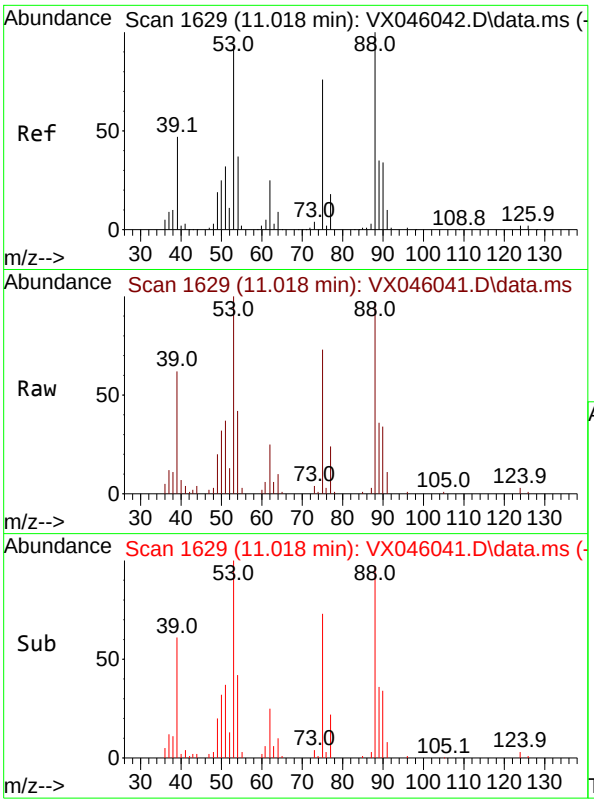




#80
1,3,5-Trimethylbenzene
Concen: 14.468 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.9 | 23.1 | 69.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 13.371 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

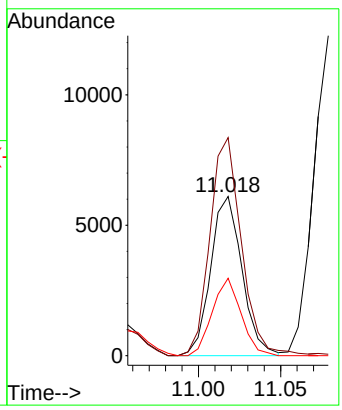
Tgt Ion: 75 Resp: 810

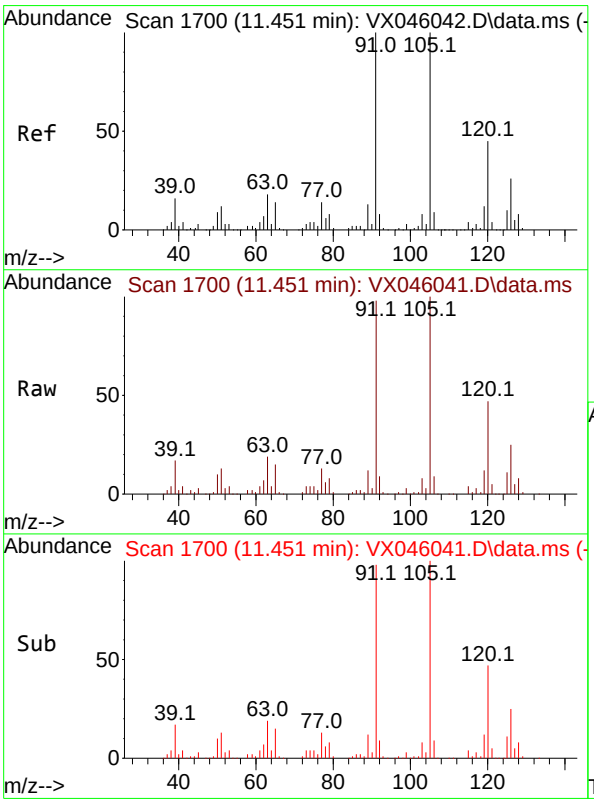
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 138.3 | 100.5 | 150.7 |
| 89 | 44.6 | 37.0 | 55.6 |

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MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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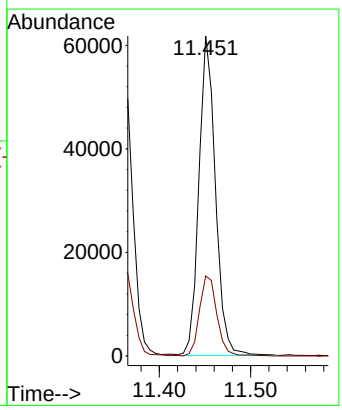


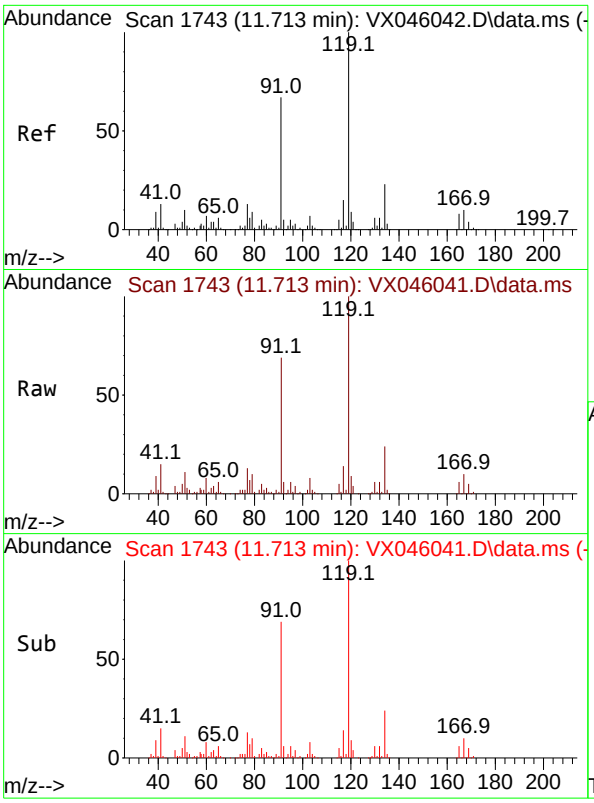




#82
4-Chlorotoluene
Concen: 14.116 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 77338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.5 | 13.3 | 39.8 |






#83
tert-Butylbenzene
Concen: 14.011 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

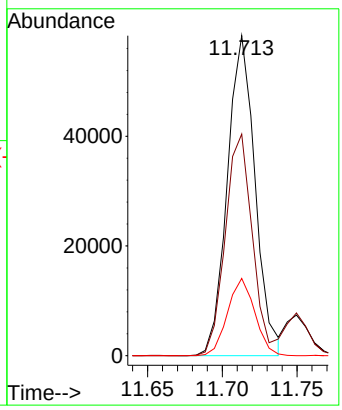
Tgt Ion:119 Resp: 7538

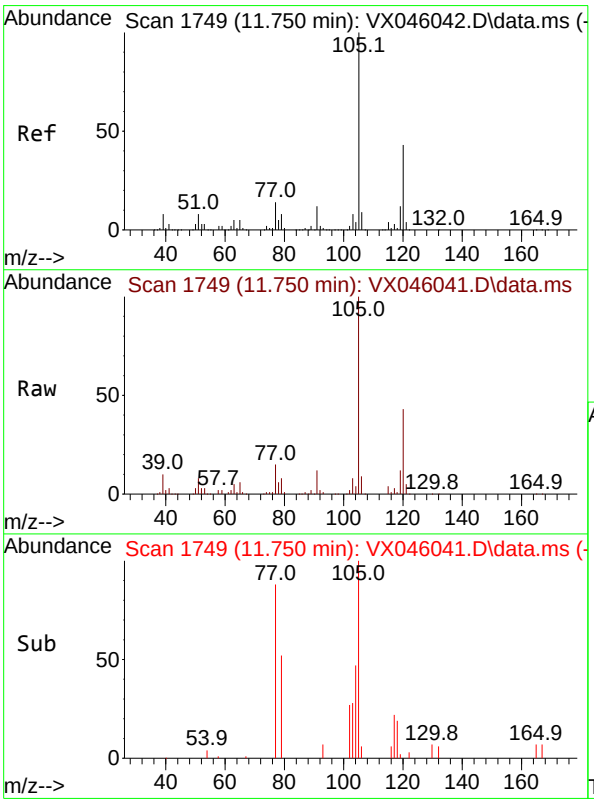
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.8 | 32.9 | 98.7 |
| 134 | 23.7 | 11.4 | 34.1 |

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

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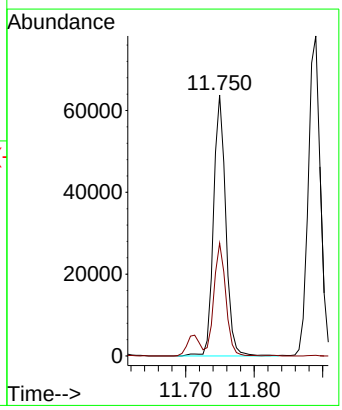


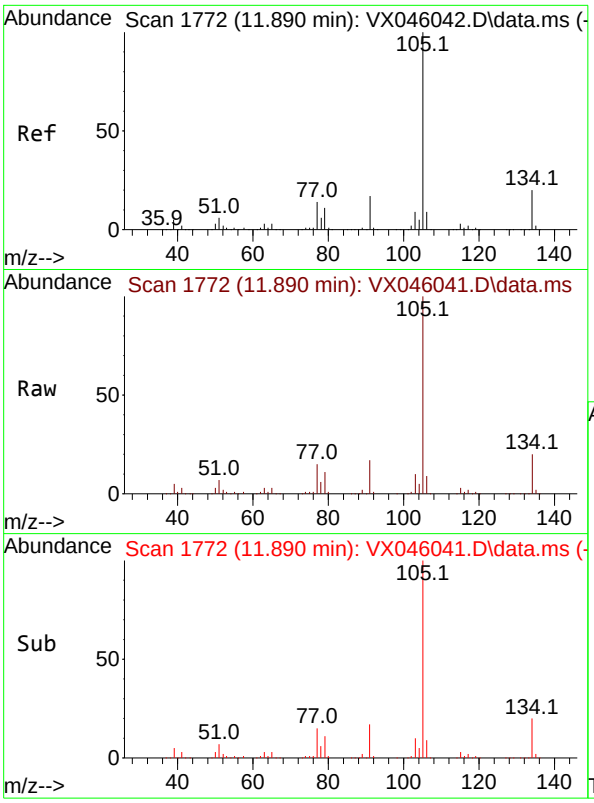




#84
1,2,4-Trimethylbenzene
Concen: 14.480 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.0 | 21.2 | 63.6 |

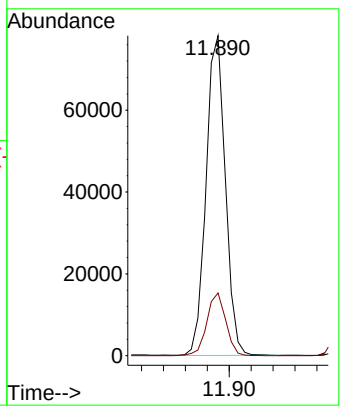





#85
sec-Butylbenzene
Concen: 14.263 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 9527

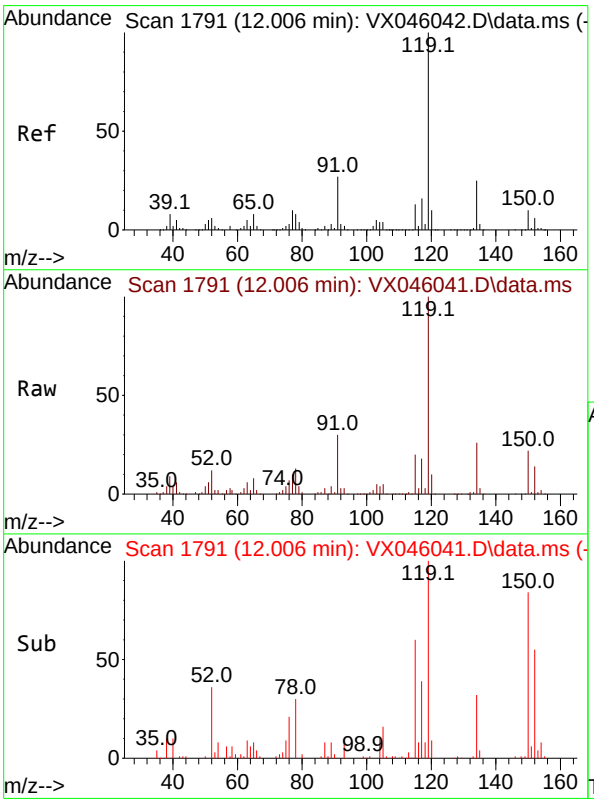
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.3 | 9.7 | 29.1 |




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

**Manual Integrations**
**APPROVED**

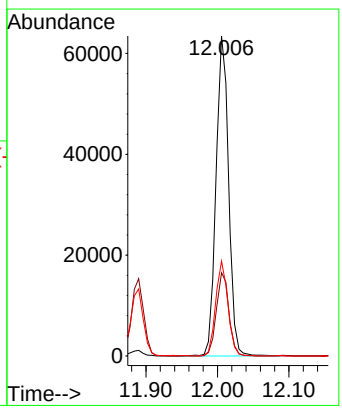
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

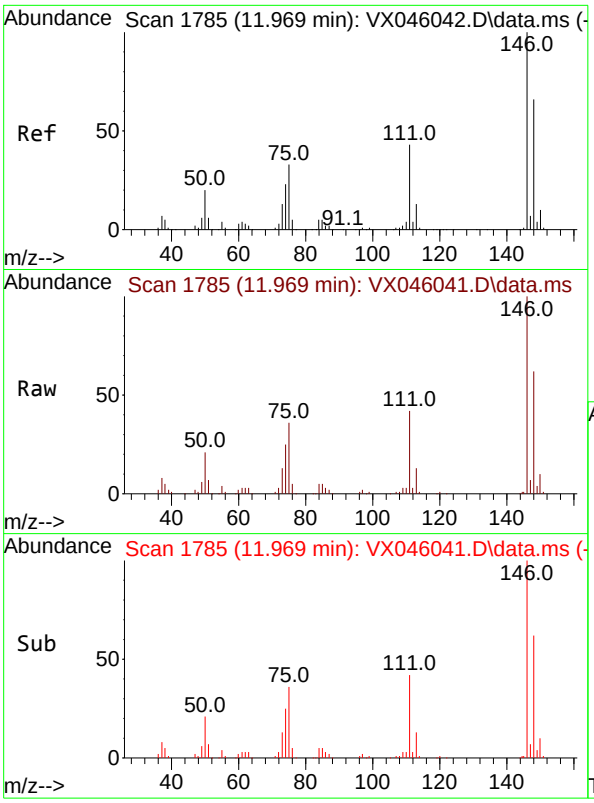



#86
p-Isopropyltoluene
Concen: 14.387 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:119 Resp: 77599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.5 | 37.5 |
| 91 | 28.8 | 13.8 | 41.4 |

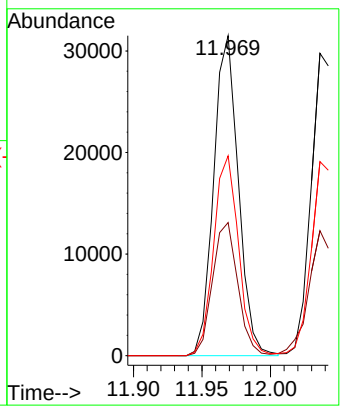





#87
1,3-Dichlorobenzene
Concen: 13.898 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 3952

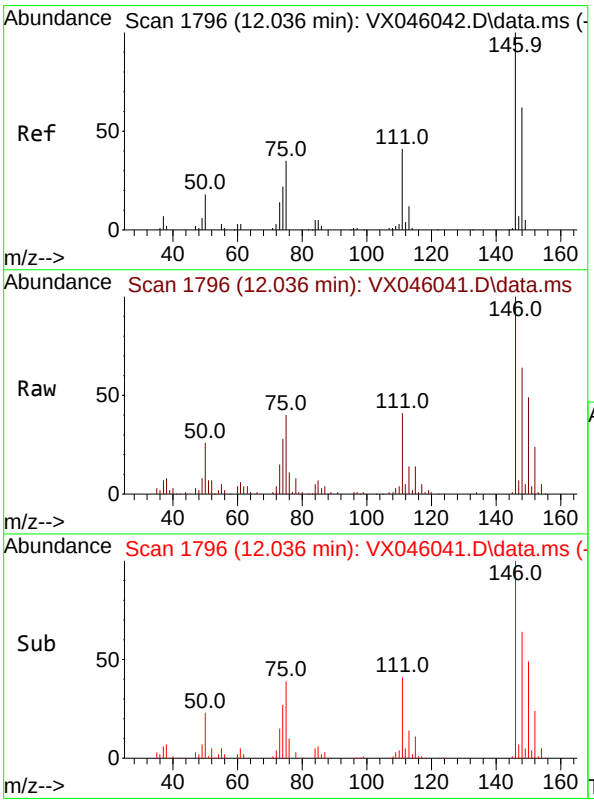
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 22.1 | 66.3 |
| 148 | 62.9 | 32.1 | 96.5 |




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

**Manual Integrations**
**APPROVED**

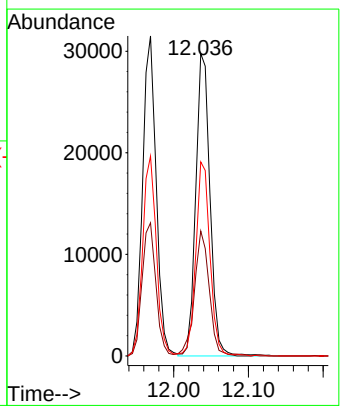
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

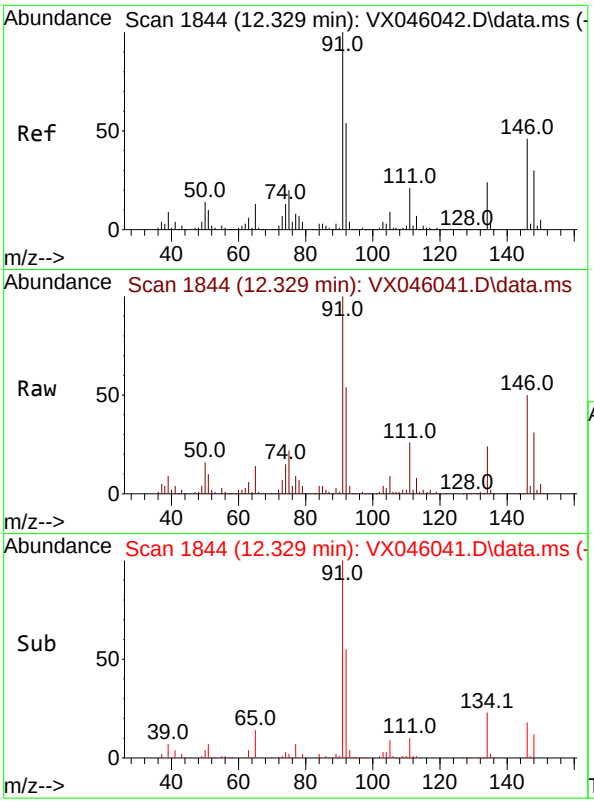



#88
1,4-Dichlorobenzene
Concen: 14.146 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 39419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 21.3 | 63.9 |
| 148 | 64.2 | 31.9 | 95.5 |

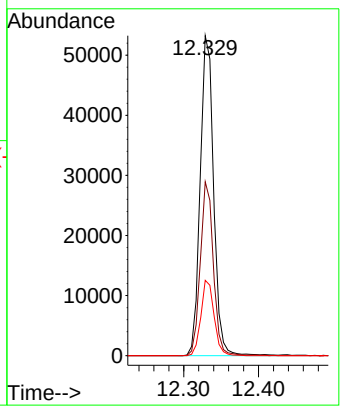





#89
n-Butylbenzene
Concen: 14.184 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 6650

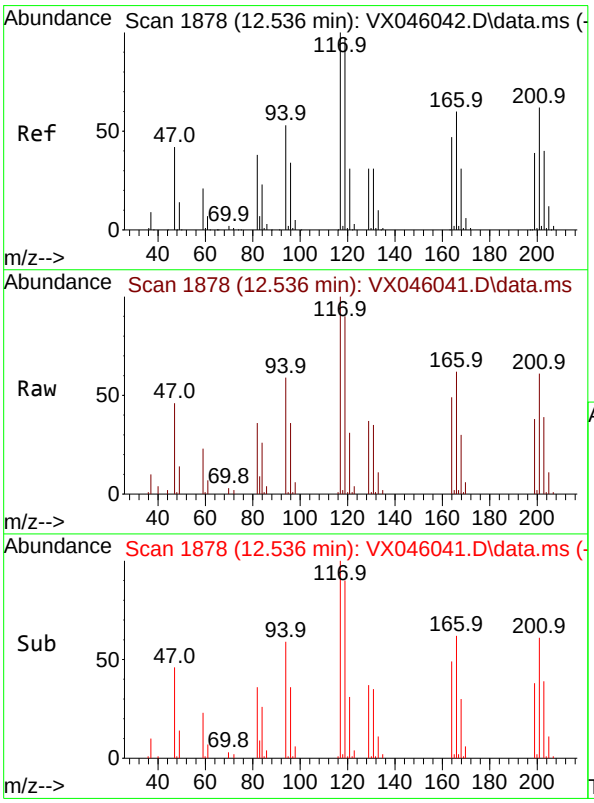
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.9 | 26.9 | 80.7 |
| 134 | 23.1 | 11.8 | 35.3 |




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

**Manual Integrations**
**APPROVED**

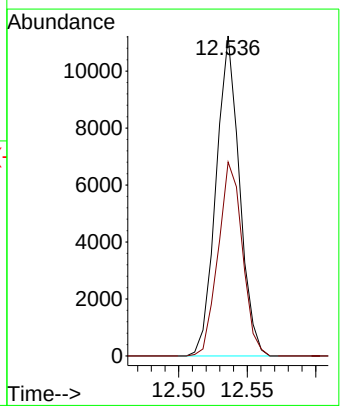
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

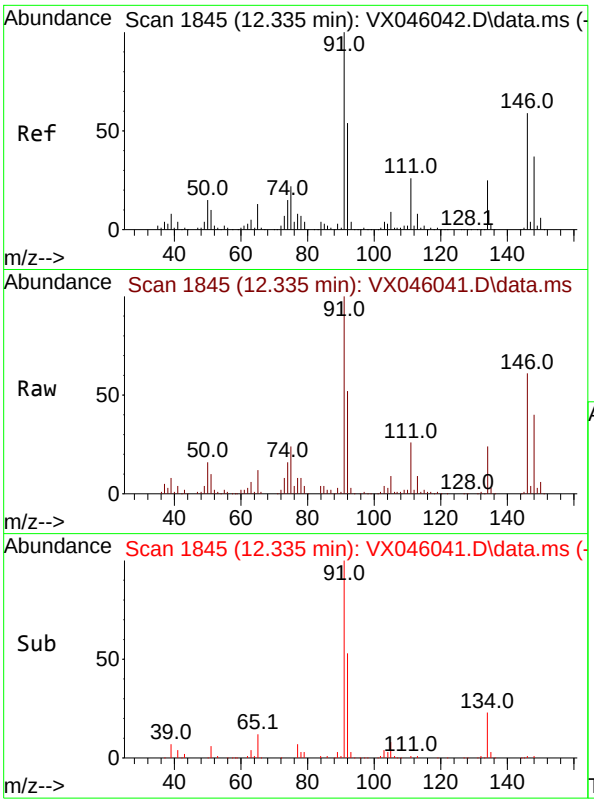



#90
Hexachloroethane
Concen: 13.287 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 13332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.9 | 31.6 | 94.7 |

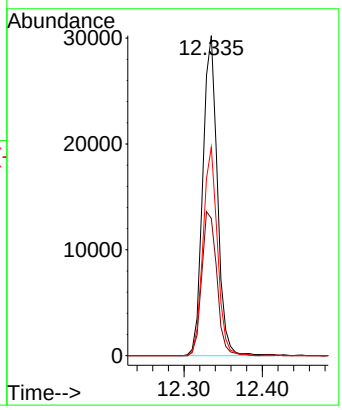





#91
1,2-Dichlorobenzene
Concen: 14.092 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 3903

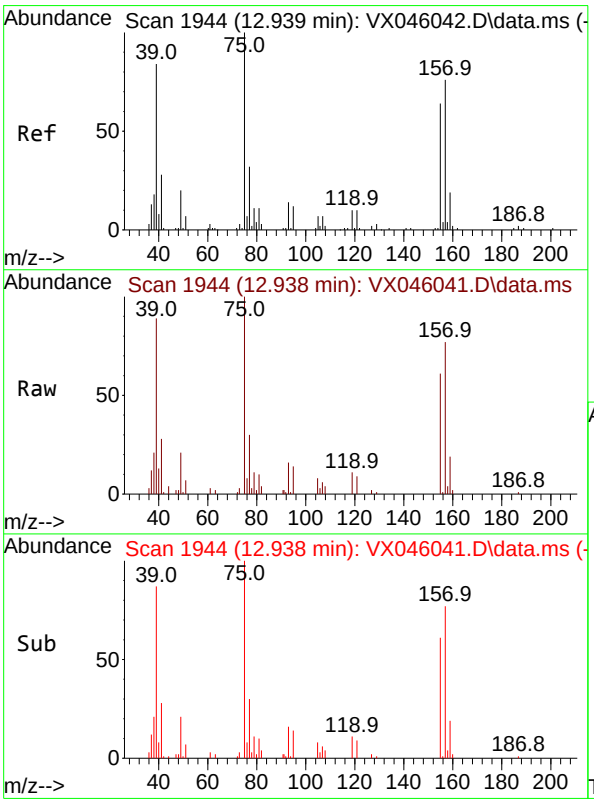
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.6 | 22.4 | 67.3 |
| 148 | 64.2 | 31.6 | 94.8 |




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

**Manual Integrations**
**APPROVED**

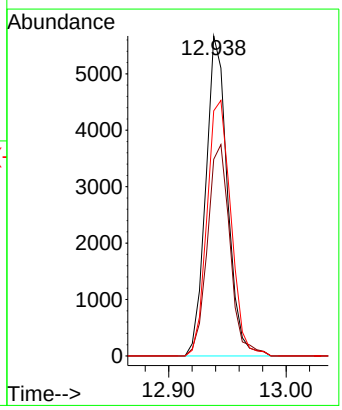
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

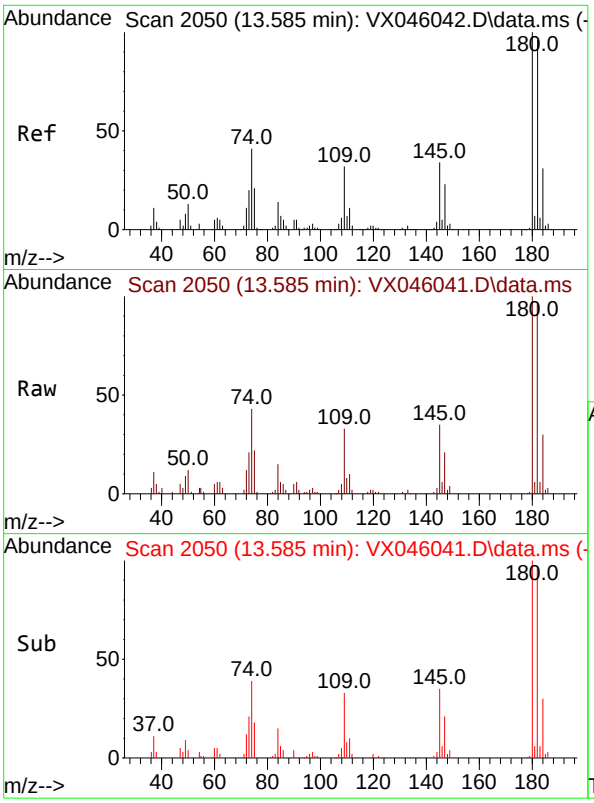



#92
1,2-Dibromo-3-Chloropropane
Concen: 13.535 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 7232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 69.4 | 34.9 | 104.8 |
| 157 | 88.4 | 43.8 | 131.4 |

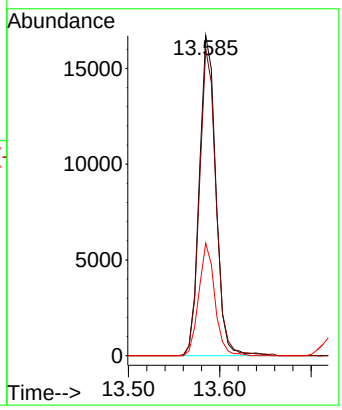





#93
1,2,4-Trichlorobenzene
Concen: 13.745 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:180 Resp: 2084

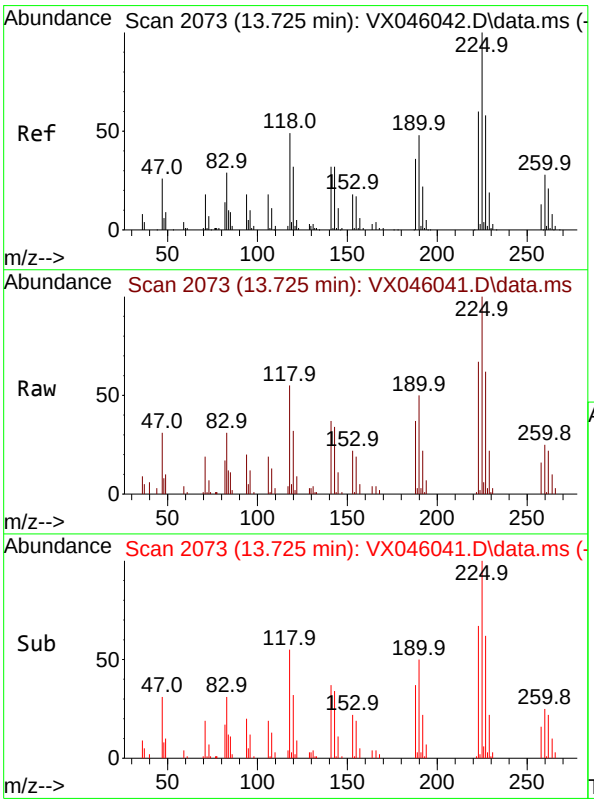
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.6 | 47.9 | 143.8 |
| 145 | 34.1 | 17.1 | 51.2 |




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

**Manual Integrations**
**APPROVED**

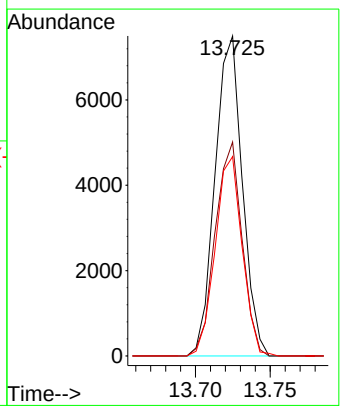
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

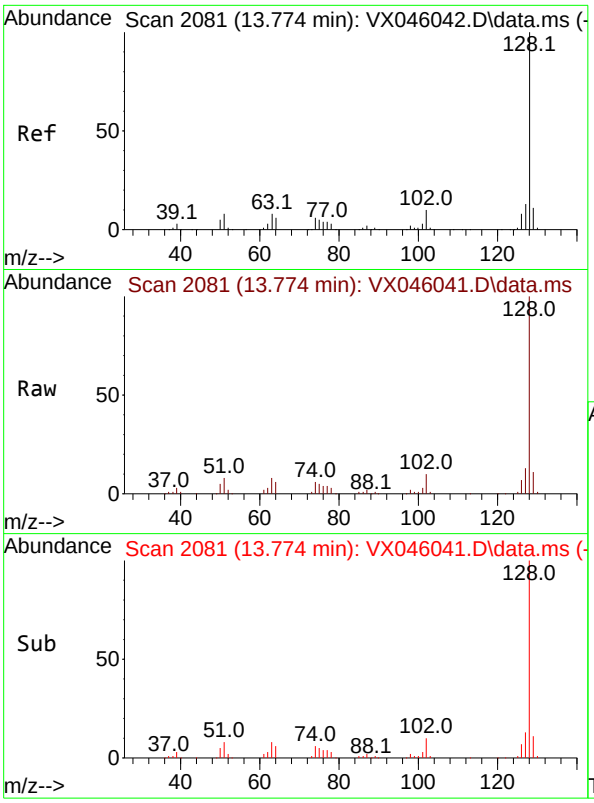



#94
Hexachlorobutadiene
Concen: 13.426 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:225 Resp: 9524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.6 | 30.8 | 92.4 |
| 227 | 61.4 | 30.9 | 92.7 |






#95
Naphthalene
Concen: 14.040 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

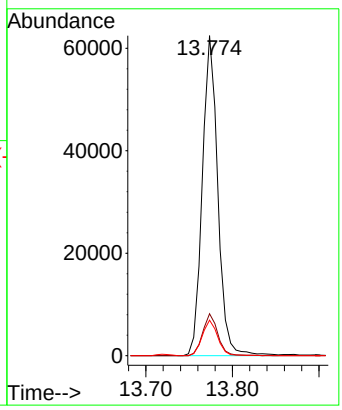
Tgt Ion:128 Resp: 7754

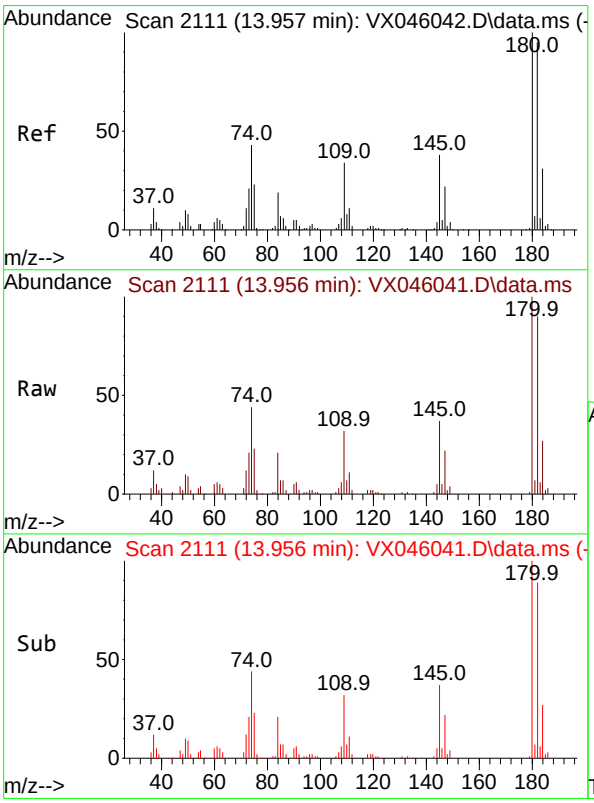
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.4 | 15.6 |
| 129 | 11.1 | 8.6 | 13.0 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

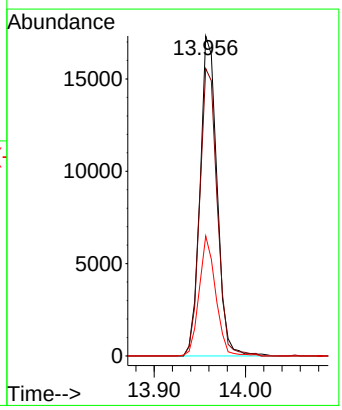



#96
1,2,3-Trichlorobenzene
Concen: 14.023 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:180 Resp: 22301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.1 | 47.8 | 143.3 |
| 145 | 36.5 | 18.1 | 54.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 97076 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 167947 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 146257 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 67976 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 88371 | 30.601 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 61.200%# | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 59550 | 31.633 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 63.260%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 205479 | 32.395 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 64.780%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 79012 | 34.229 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 68.460%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 83826 | 39.120 | ug/l | 100 |
| 3) Chloromethane | 1.307 | 50 | 75238 | 35.658 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 68901 | 37.273 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 31648 | 33.765 | ug/l | 100 |
| 6) Chloroethane | 1.666 | 64 | 36722 | 38.558 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 103693 | 36.824 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 32724 | 35.350 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 62251 | 36.997 | ug/l | 100 |
| 10) Methyl Iodide | 2.447 | 142 | 78277 | 39.622 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.977 | 59 | 62557 | 181.745 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.313 | 96 | 58334 | 35.610 | ug/l | 100 |
| 13) Acrolein | 2.233 | 56 | 73927 | 184.907 | ug/l | 100 |
| 14) Allyl chloride | 2.654 | 41 | 114445 | 36.971 | ug/l | 100 |
| 15) Acrylonitrile | 3.062 | 53 | 188304 | 182.874 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 175777 | 177.910 | ug/l | 100 |
| 17) Carbon Disulfide | 2.502 | 76 | 141281 | 37.223 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 82347 | 34.915 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 209665 | 36.695 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 66412 | 33.182 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 59234 | 35.421 | ug/l | 100 |
| 22) Diisopropyl ether | 3.757 | 45 | 221172 | 38.241 | ug/l | 100 |
| 23) Vinyl Acetate | 3.721 | 43 | 994236 | 194.528 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 122601 | 36.067 | ug/l | 100 |
| 25) 2-Butanone | 4.556 | 43 | 269224 | 188.783 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 92857 | 36.059 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 71518 | 35.466 | ug/l | 100 |
| 28) Bromochloromethane | 4.898 | 49 | 56091 | 31.031 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.001 | 42 | 170124 | 183.679 | ug/l | 100 |
| 30) Chloroform | 5.087 | 83 | 125850 | 35.626 | ug/l | 100 |
| 31) Cyclohexane | 5.464 | 56 | 109459 | 38.205 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 109781 | 36.034 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 83215 | 38.073 | ug/l | 100 |
| 37) Ethyl Acetate | 4.715 | 43 | 102537 | 37.394 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 93712 | 37.320 | ug/l | 100 |
| 39) Methylcyclohexane | 7.373 | 83 | 107651 | 39.307 | ug/l | 100 |
| 40) Benzene | 6.031 | 78 | 247476 | 36.530 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 58082 | 38.123 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 105332 | 37.605 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.336 | 43 | 161787 | 38.598 | ug/l | | 100 |
| 44) Trichloroethene | 7.123 | 130 | 59623 | 37.230 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 62387 | 37.064 | ug/l | | 100 |
| 46) Dibromomethane | 7.574 | 93 | 48201 | 36.326 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.818 | 83 | 96916 | 37.685 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 84277 | 39.157 | ug/l | | 100 |
| 49) 1,4-Dioxane | 7.659 | 88 | 30529 | 713.477 | ug/l | | 100 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 532388 | 193.653 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 150757 | 37.530 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 88655 | 41.056 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 97031 | 38.521 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 59499 | 36.648 | ug/l | | 100 |
| 56) Ethyl methacrylate | 9.116 | 69 | 99947 | 39.726 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 104606 | 36.347 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 257678 | 227.902 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 396784 | 190.168 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 67198 | 38.027 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 62633 | 37.567 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 54853 | 36.726 | ug/l | | 100 |
| 65) Chlorobenzene | 10.079 | 112 | 160600 | 35.686 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 57066 | 38.017 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 295712 | 38.543 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 216578 | 78.142 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 106335 | 38.064 | ug/l | | 100 |
| 70) Styrene | 10.653 | 104 | 178313 | 39.888 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 44486 | 39.457 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 280719 | 37.865 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 140509 | 38.012 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 90975 | 34.495 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 80678m | 28.468 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 63053 | 36.763 | ug/l | | 100 |
| 78) n-propylbenzene | 11.299 | 91 | 329981 | 39.707 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 203509 | 36.336 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 237066 | 38.516 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 26179 | 38.445 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 233172 | 37.880 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 233468 | 38.622 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 239433 | 38.946 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 291074 | 38.786 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 241658 | 39.879 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 115651 | 36.199 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 115097 | 36.763 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 213899 | 40.603 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 42314 | 37.534 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 115286 | 37.047 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 21909 | 36.496 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 66655 | 39.117 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 29007 | 36.395 | ug/l | | 100 |
| 95) Naphthalene | 13.774 | 128 | 245568 | 39.575 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 69262 | 38.765 | ug/l | | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

ICAL Form

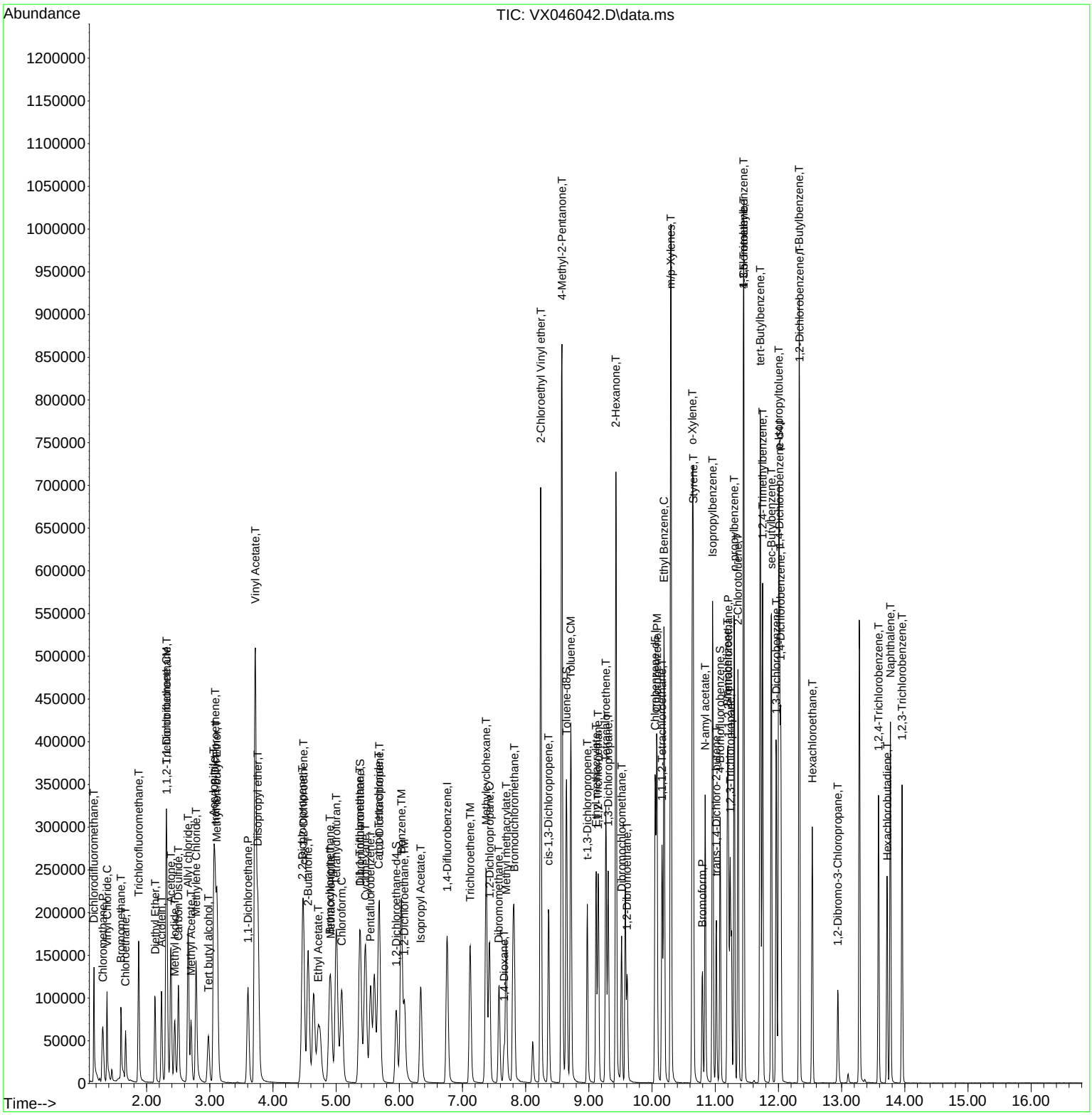
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Data File : VX046042.D
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Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

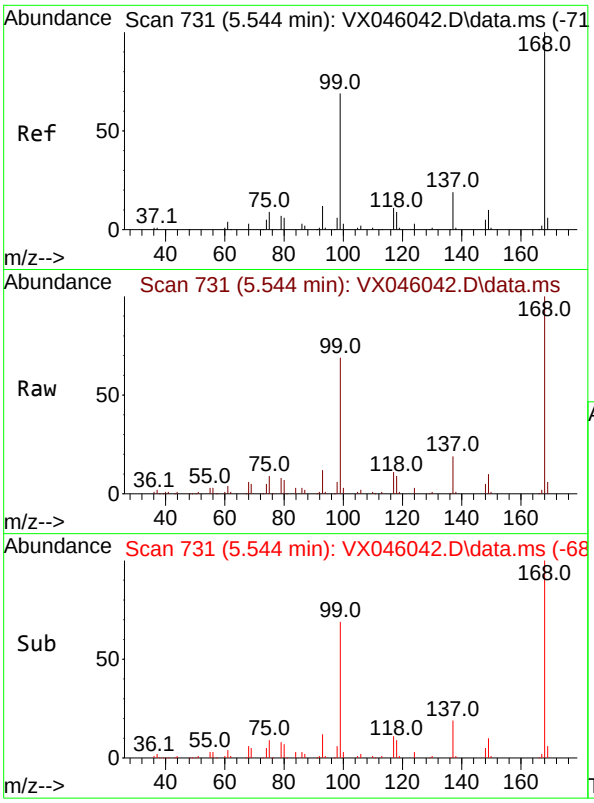
Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

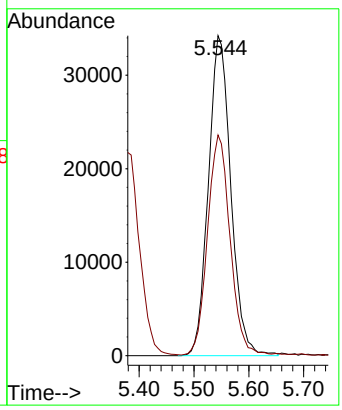





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:168 Resp: 9707

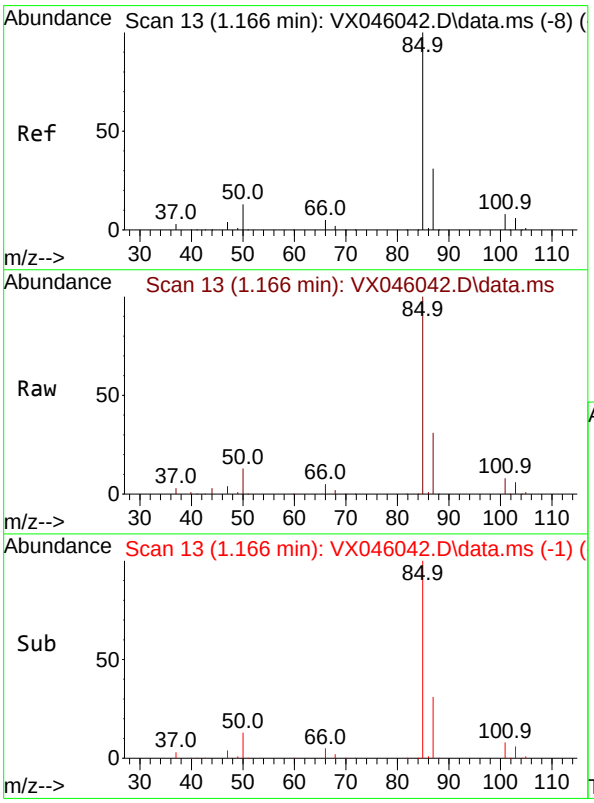
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 68.6 | 54.9 | 82.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

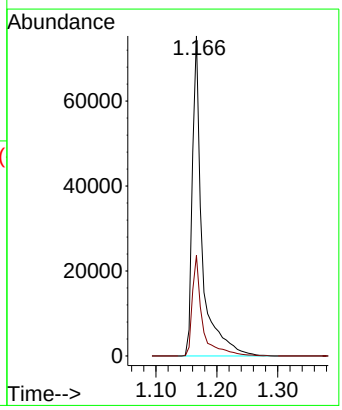
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

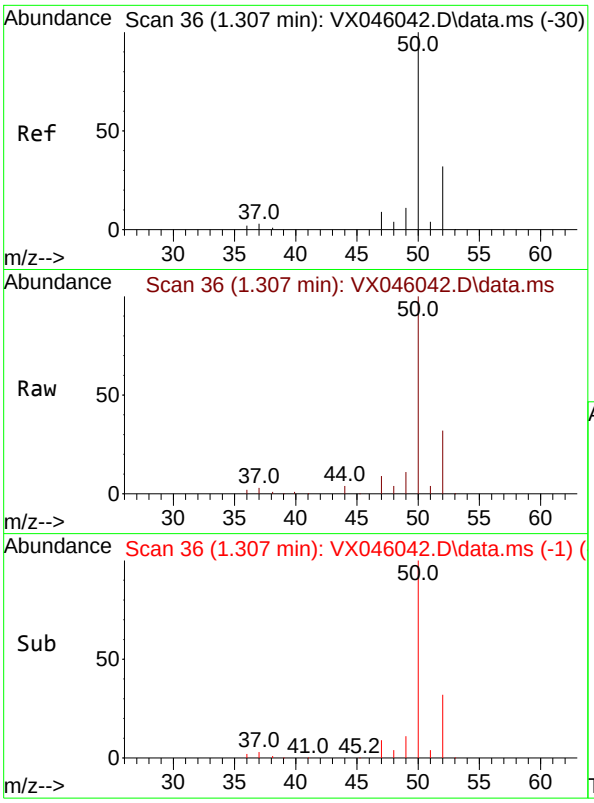



#2
Dichlorodifluoromethane
Concen: 39.120 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 85 Resp: 83826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.4 | 15.7 | 47.1 |

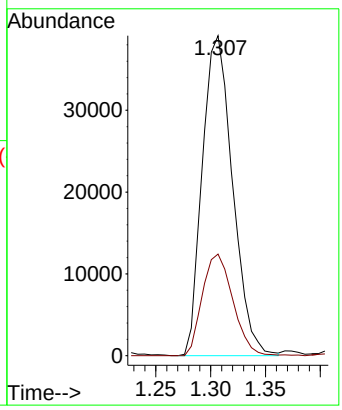





#3
Chloromethane
Concen: 35.658 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 50 Resp: 7523

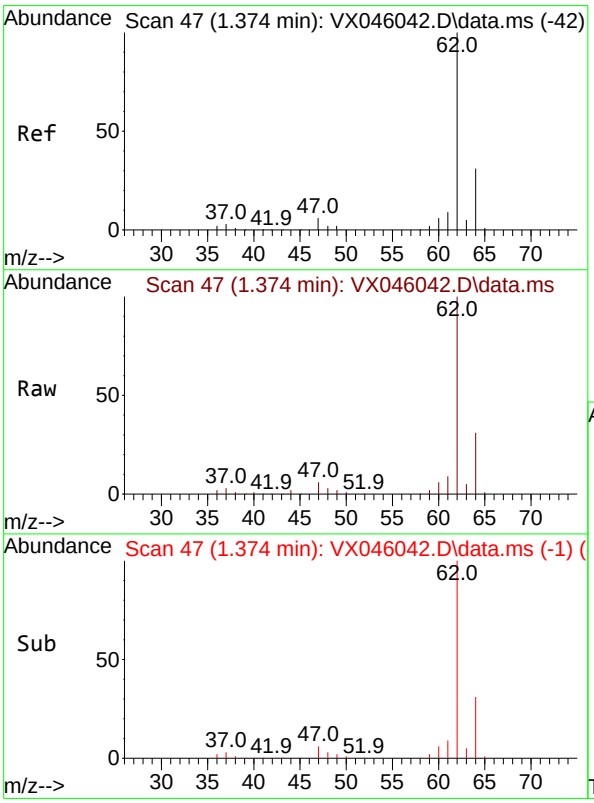
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

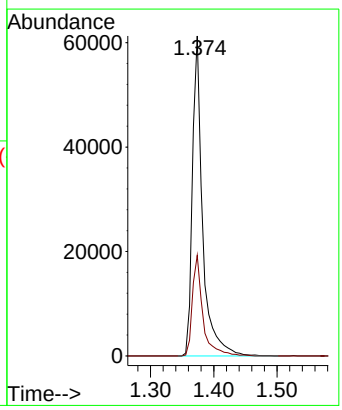
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

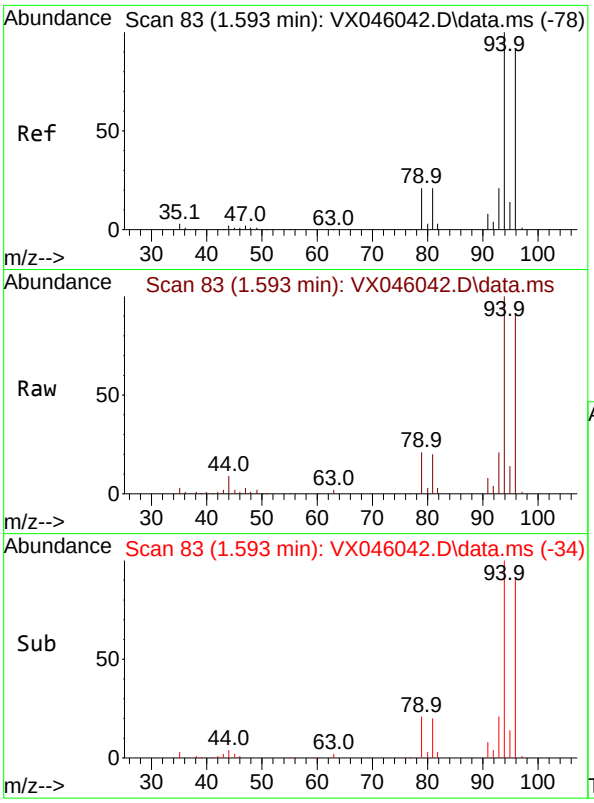



#4
Vinyl Chloride
Concen: 37.273 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 68901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 25.2 | 37.8 |

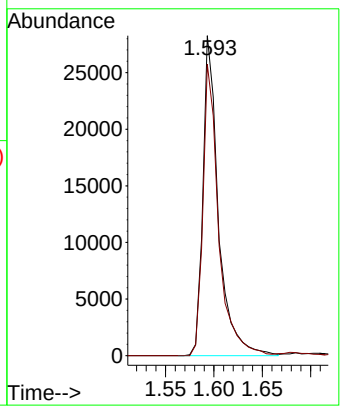





#5
Bromomethane
Concen: 33.765 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 94 Resp: 3164

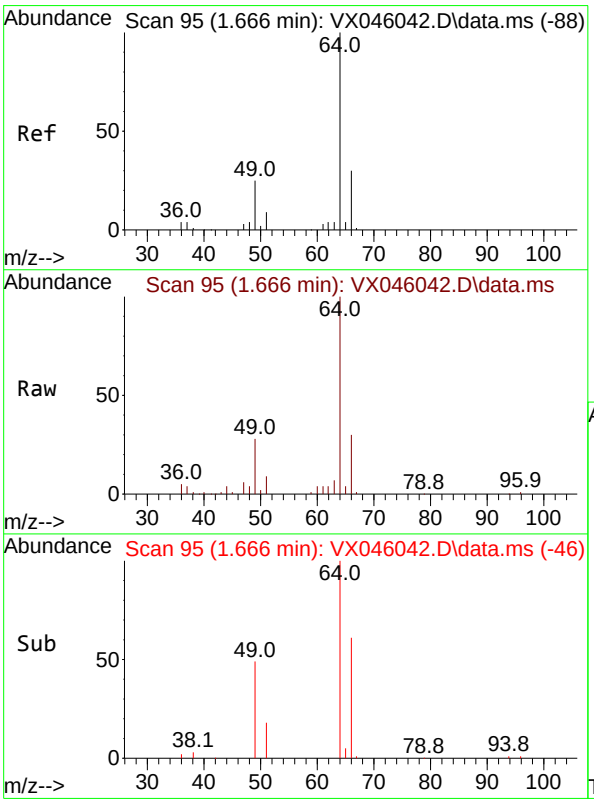
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.0 | 72.8 | 109.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

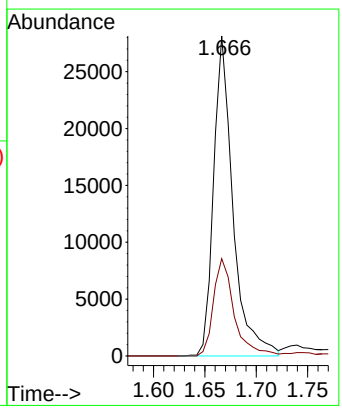
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

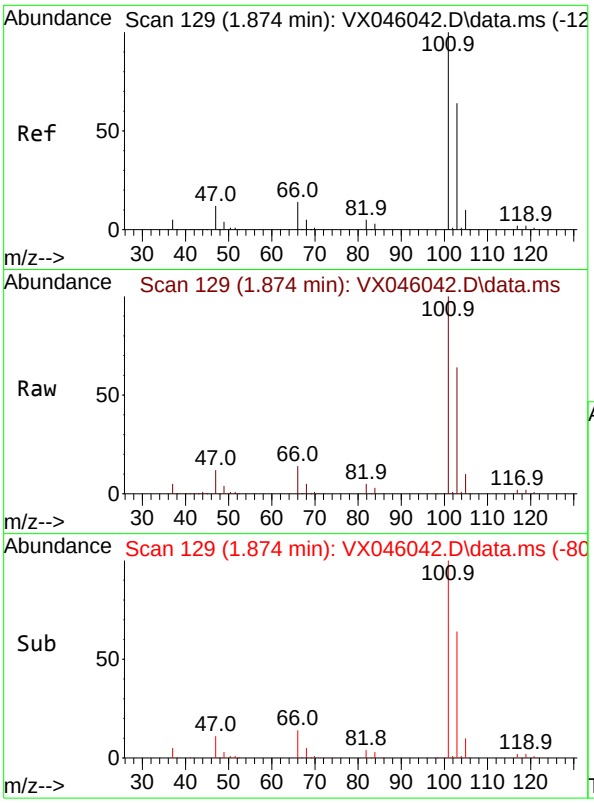



#6
Chloroethane
Concen: 38.558 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 64 Resp: 36722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.4 | 24.3 | 36.5 |

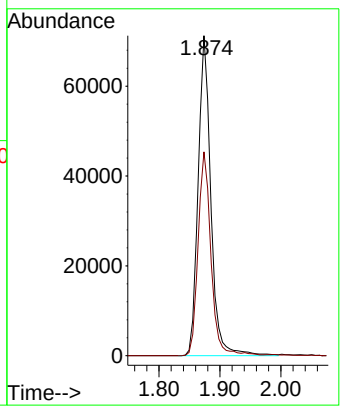





#7
Trichlorofluoromethane
Concen: 36.824 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:101 Resp: 10369

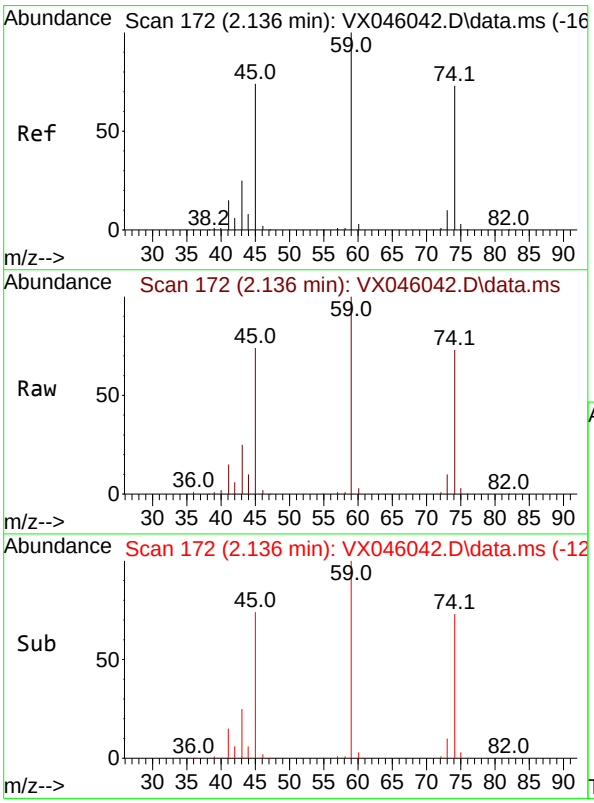
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.7 | 51.0 | 76.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

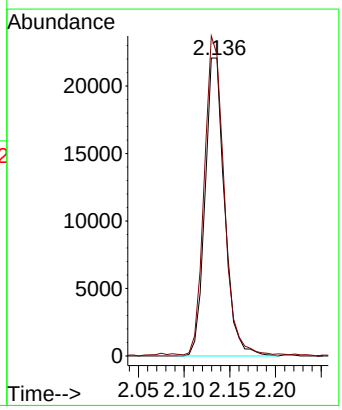
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

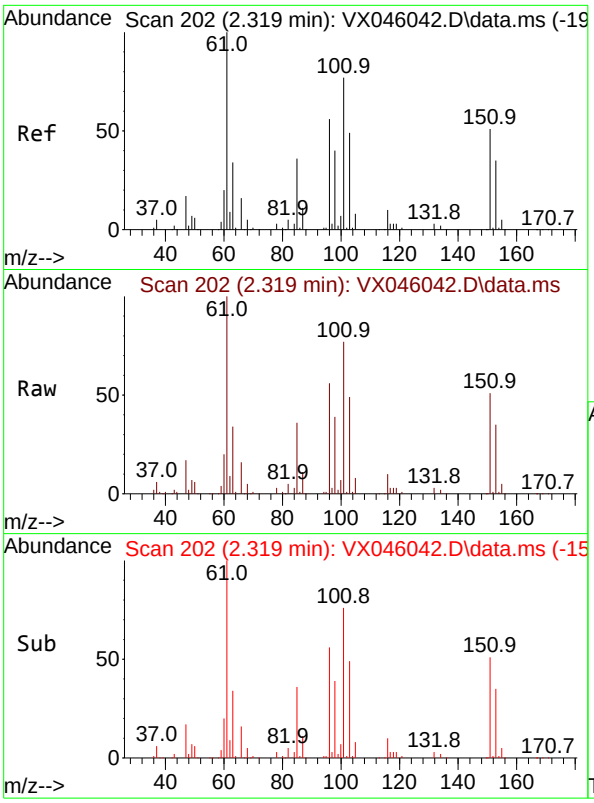



#8
Diethyl Ether
Concen: 35.350 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 74 Resp: 32724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 109.9 | 54.9 | 164.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 36.997 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

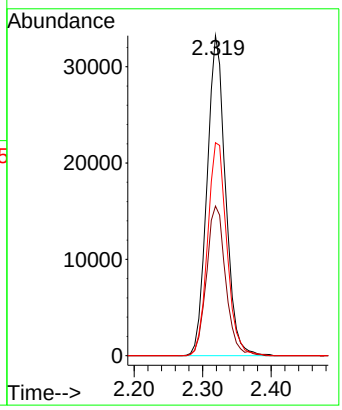
Tgt Ion:101 Resp: 6225

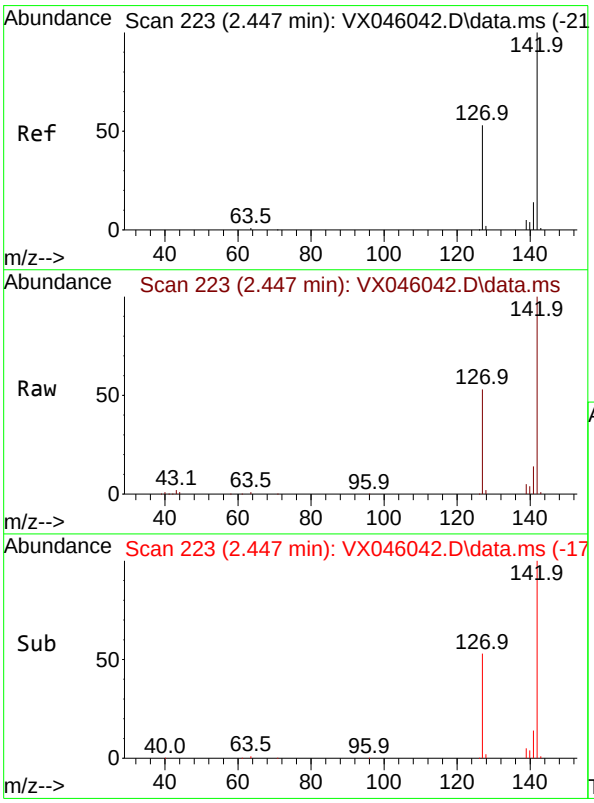
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.3 | 38.6 | 58.0 |
| 151 | 69.0 | 55.2 | 82.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

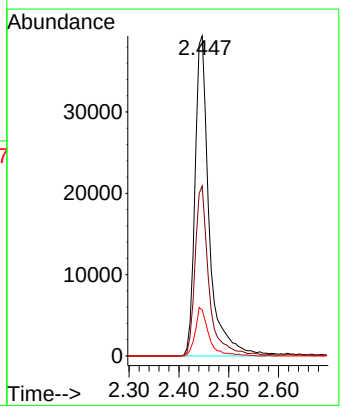


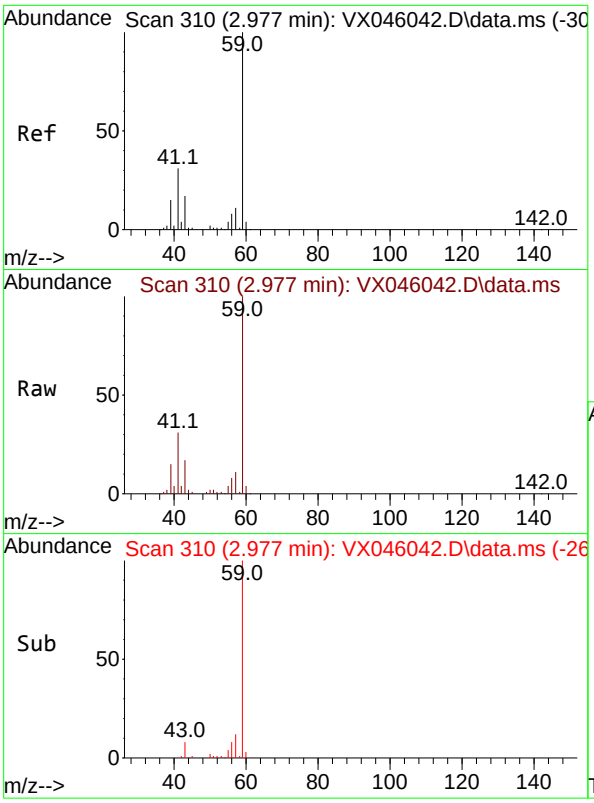




#10
Methyl Iodide
Concen: 39.622 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:142 Resp: 78277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.1 | 41.7 | 62.5 |
| 141 | 14.4 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 181.745 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

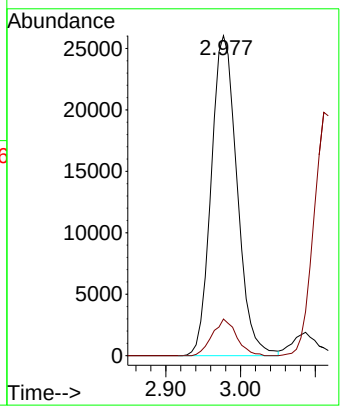
Tgt Ion: 59 Resp: 6255

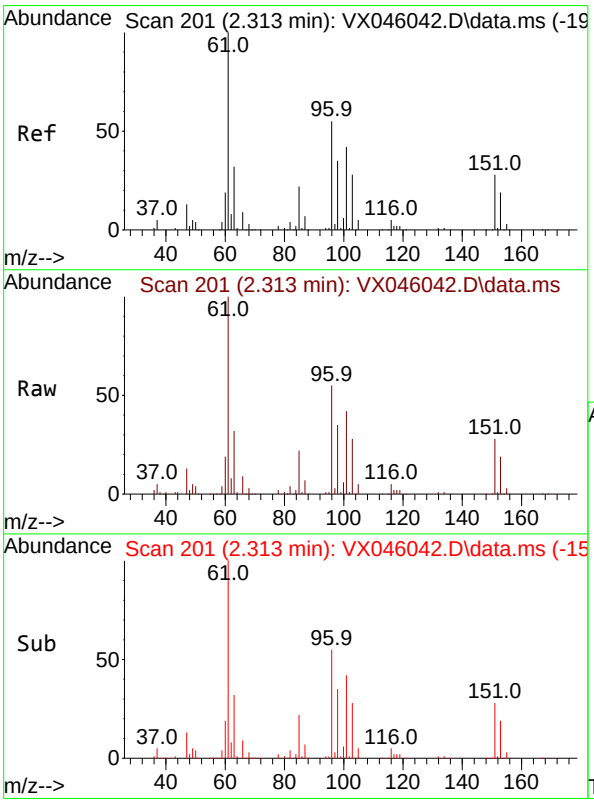
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 8.6 | 12.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

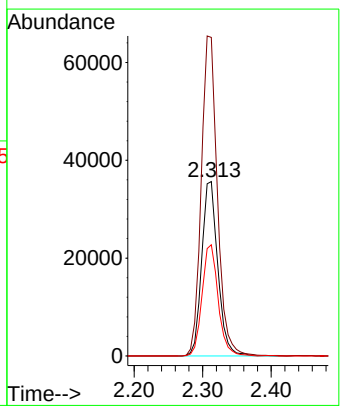


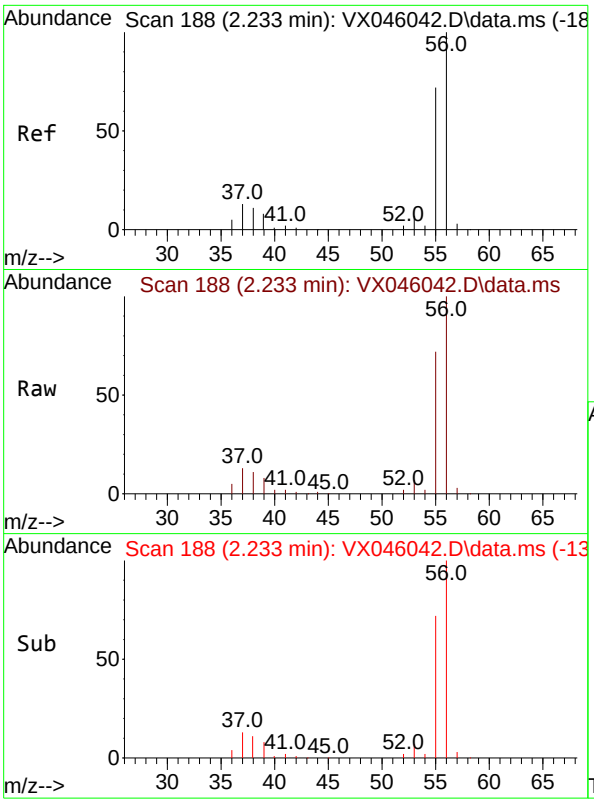




#12
1,1-Dichloroethene
Concen: 35.610 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 96 Resp: 58334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 182.7 | 146.2 | 219.2 |
| 98 | 63.8 | 51.0 | 76.6 |

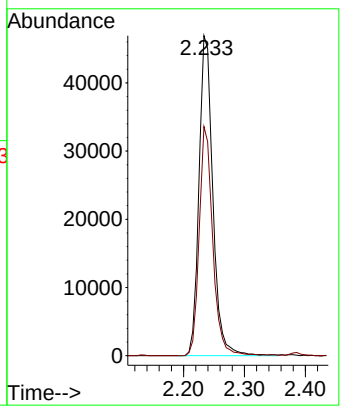





#13
Acrolein
Concen: 184.907 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 56 Resp: 7392

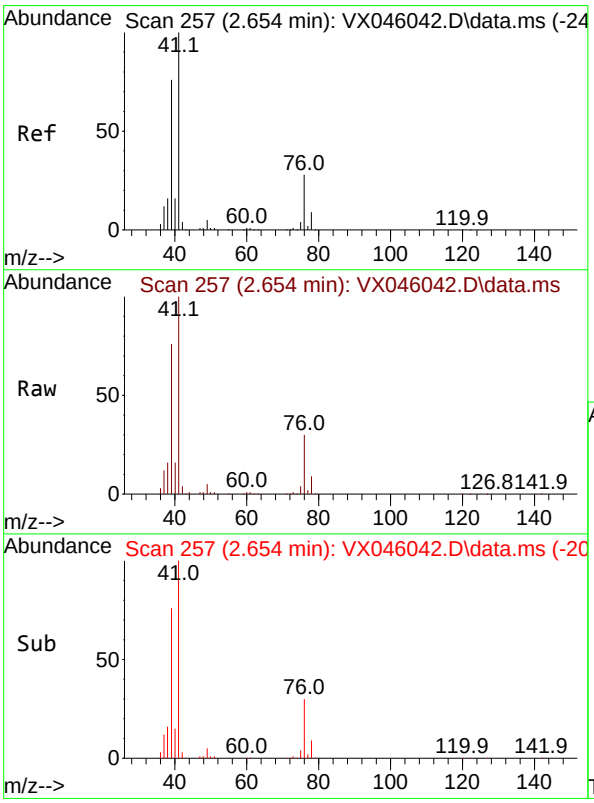
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.3 | 56.2 | 84.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

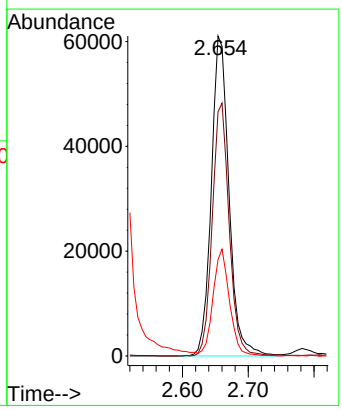
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

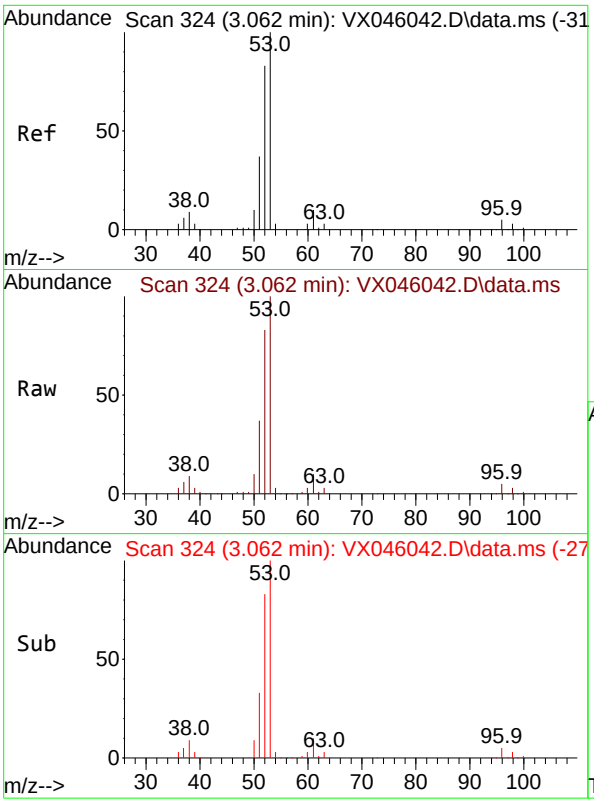



#14
Allyl chloride
Concen: 36.971 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 114445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.7 | 60.6 | 90.8 |
| 76 | 31.1 | 24.9 | 37.3 |

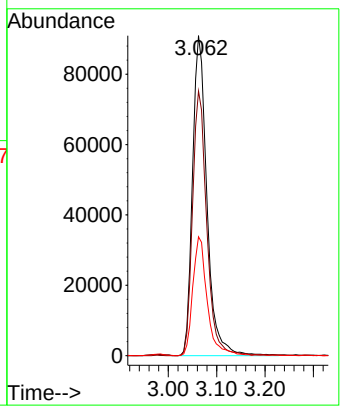





#15
Acrylonitrile
Concen: 182.874 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 53 Resp: 18830

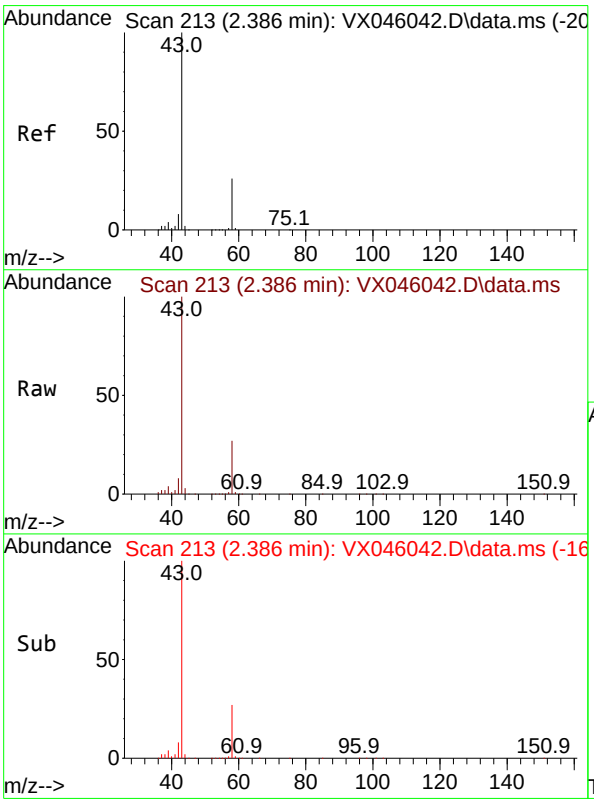
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.6 | 65.3 | 97.9 |
| 51 | 37.3 | 29.8 | 44.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

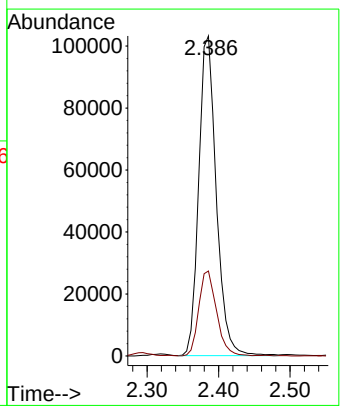
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

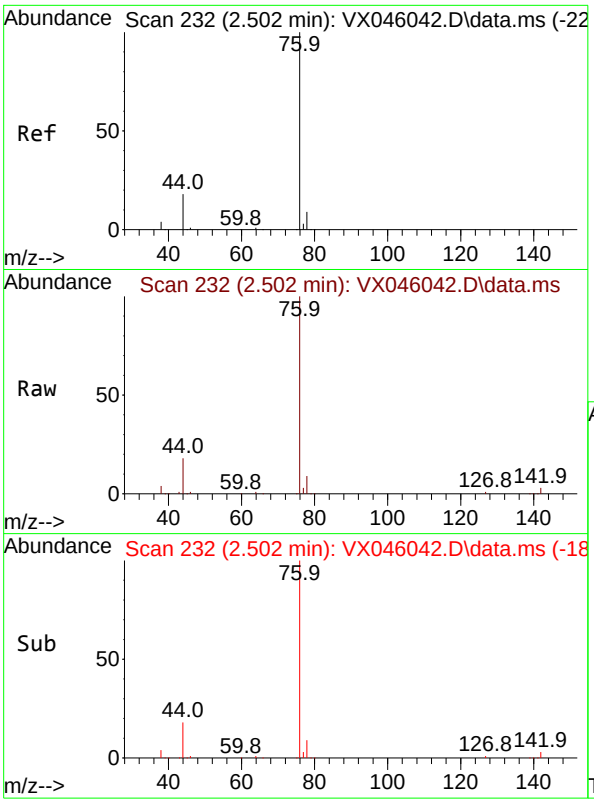



#16
Acetone
Concen: 177.910 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 175777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.5 | 21.2 | 31.8 |






#17
Carbon Disulfide
Concen: 37.223 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

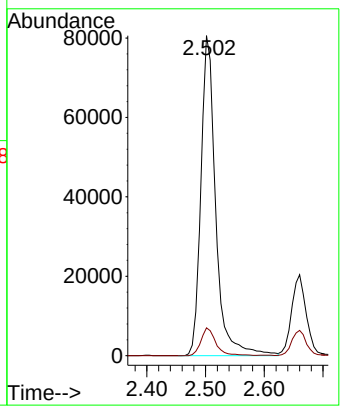
Tgt Ion: 76 Resp: 14128

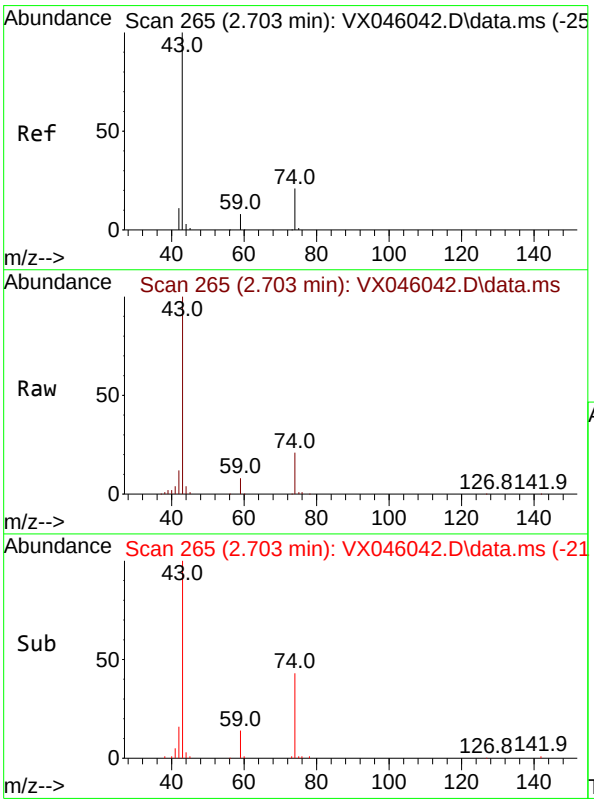
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.0 | 10.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

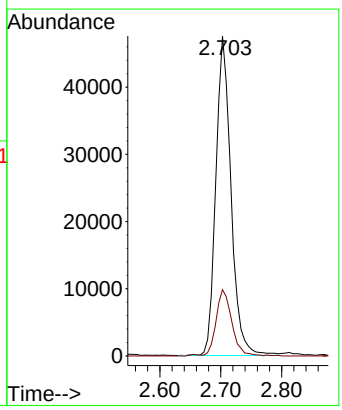


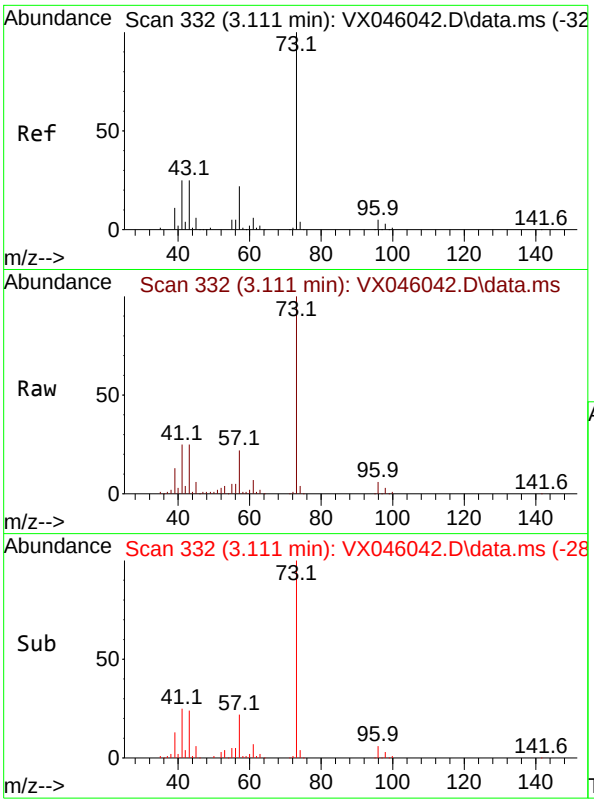




#18
Methyl Acetate
Concen: 34.915 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 82347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.9 | 16.7 | 25.1 |

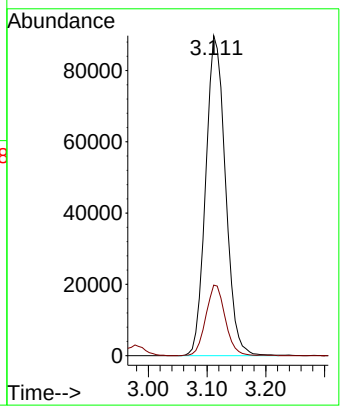





#19
Methyl tert-butyl Ether
Concen: 36.695 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 73 Resp: 20966

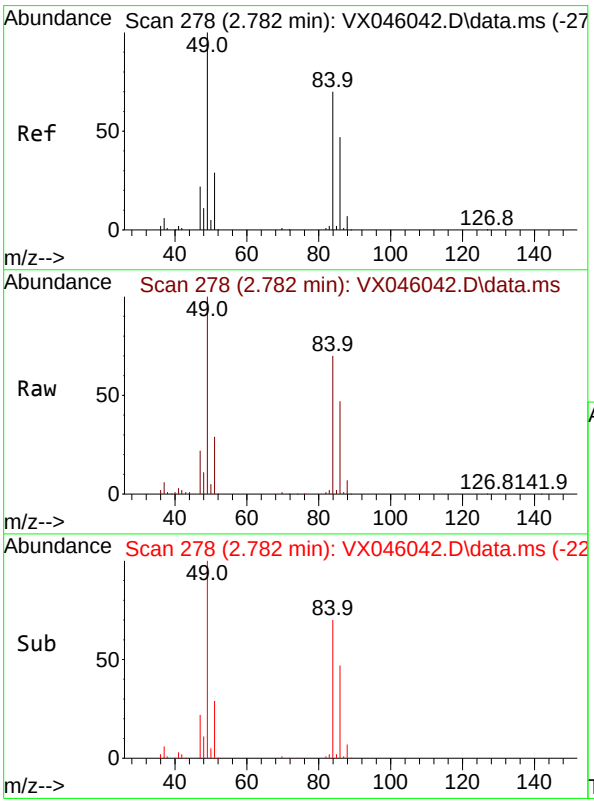
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.1 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

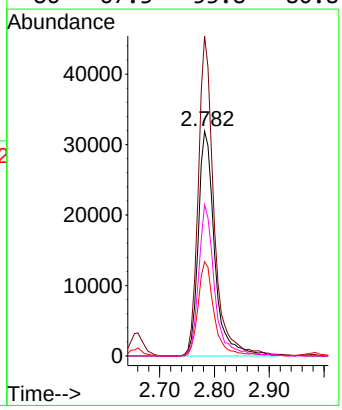
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

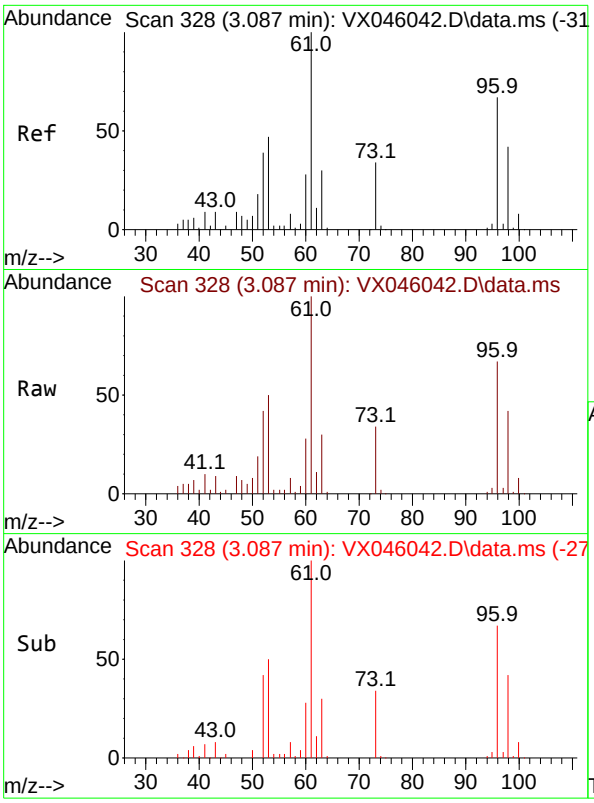



#20
Methylene Chloride
Concen: 33.182 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 84 Resp: 66412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 142.4 | 113.9 | 170.9 |
| 51 | 41.9 | 33.5 | 50.3 |
| 86 | 67.3 | 53.8 | 80.8 |

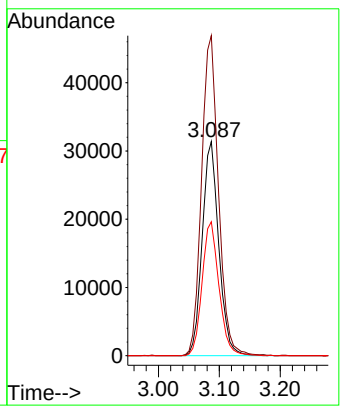





#21
trans-1,2-Dichloroethene
Concen: 35.421 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 96 Resp: 5923

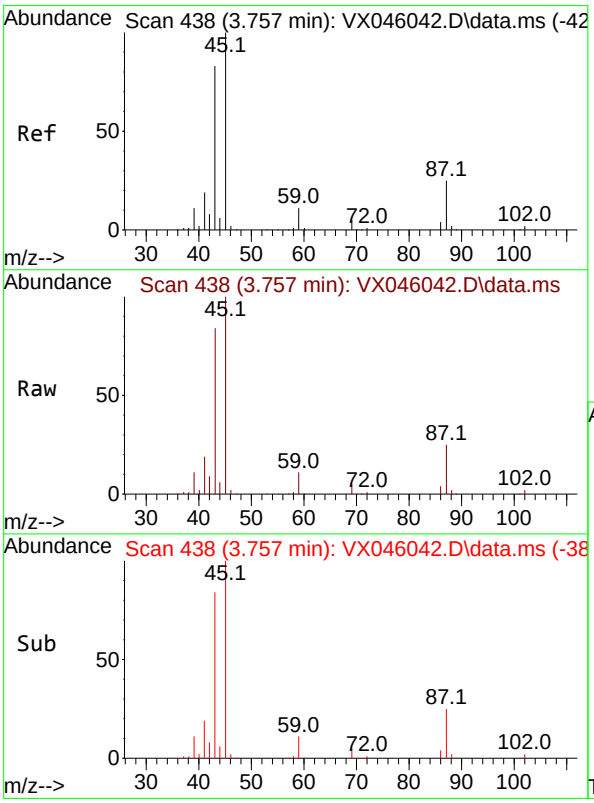
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.4 | 119.5 | 179.3 |
| 98 | 62.5 | 50.0 | 75.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

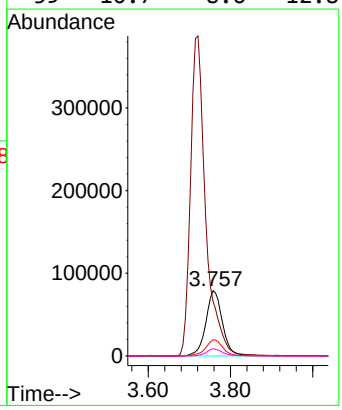
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

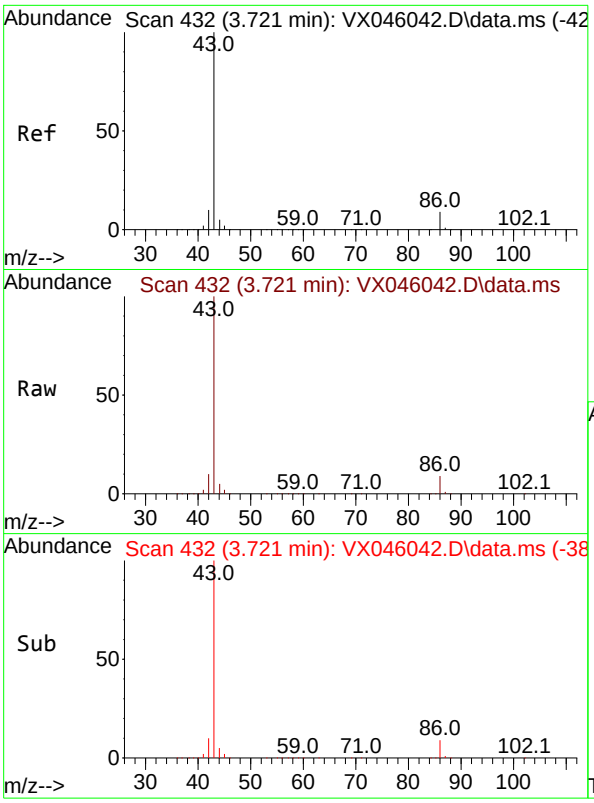



#22
Diisopropyl ether
Concen: 38.241 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 45 Resp: 221172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 83.3 | 66.6 | 100.0 |
| 87 | 24.7 | 19.8 | 29.6 |
| 59 | 10.7 | 8.6 | 12.8 |






#23
Vinyl Acetate
Concen: 194.528 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

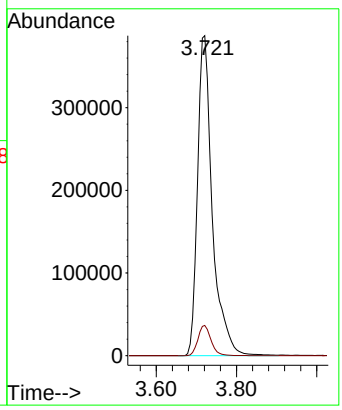
Tgt Ion: 43 Resp: 99423

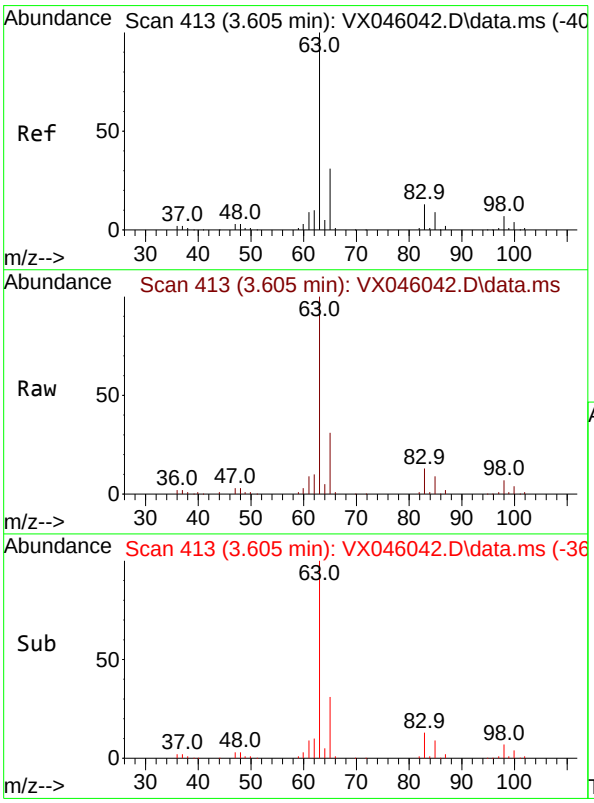
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.4 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

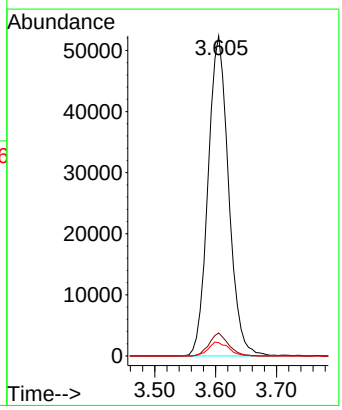


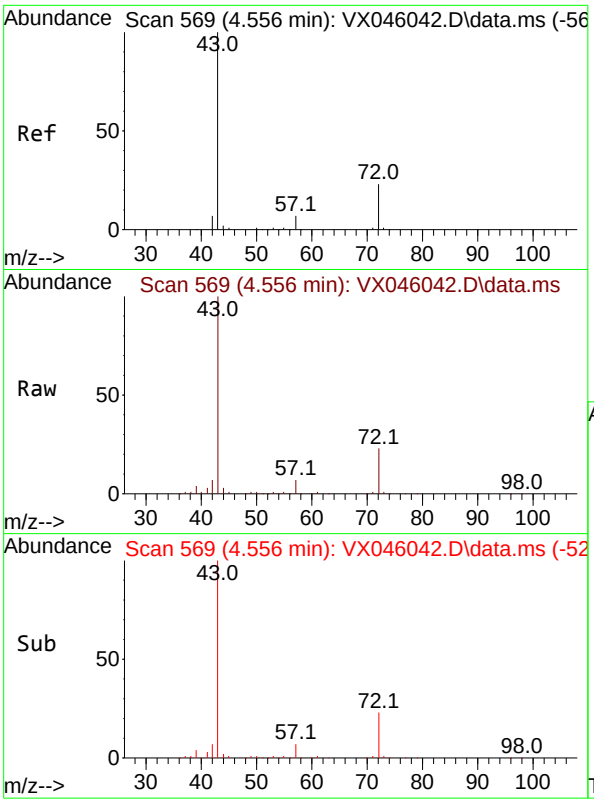




#24
1,1-Dichloroethane
Concen: 36.067 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 122601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.6 | 10.8 |
| 100 | 4.2 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 188.783 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

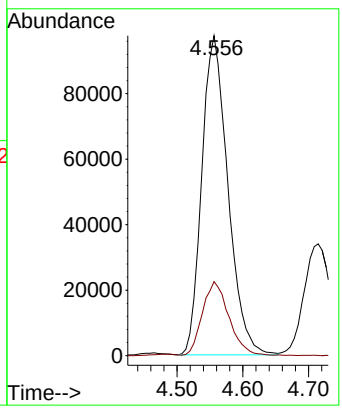
Tgt Ion: 43 Resp: 26922

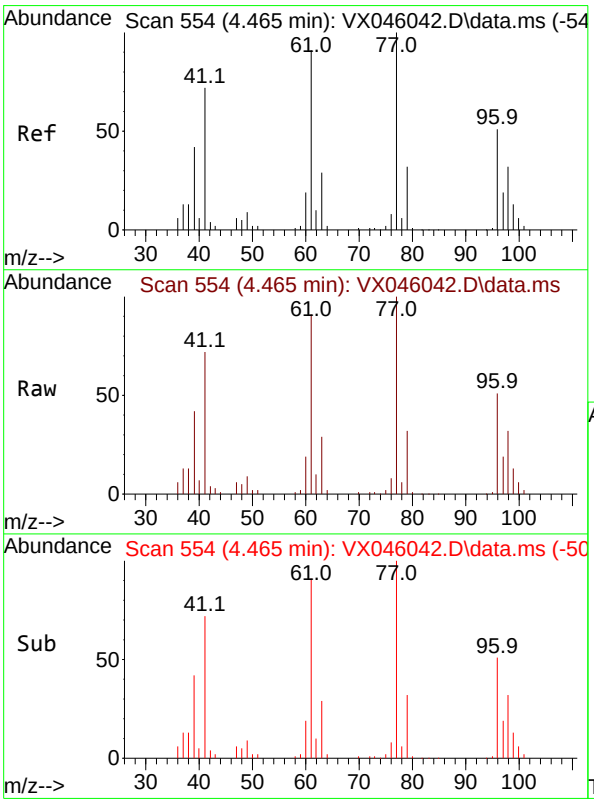
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.0 | 18.4 | 27.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

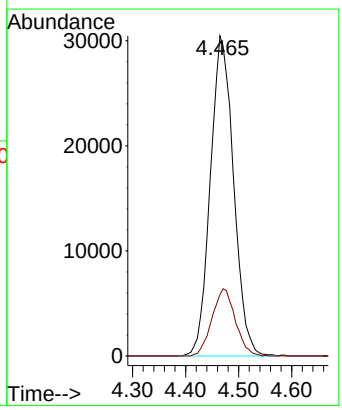


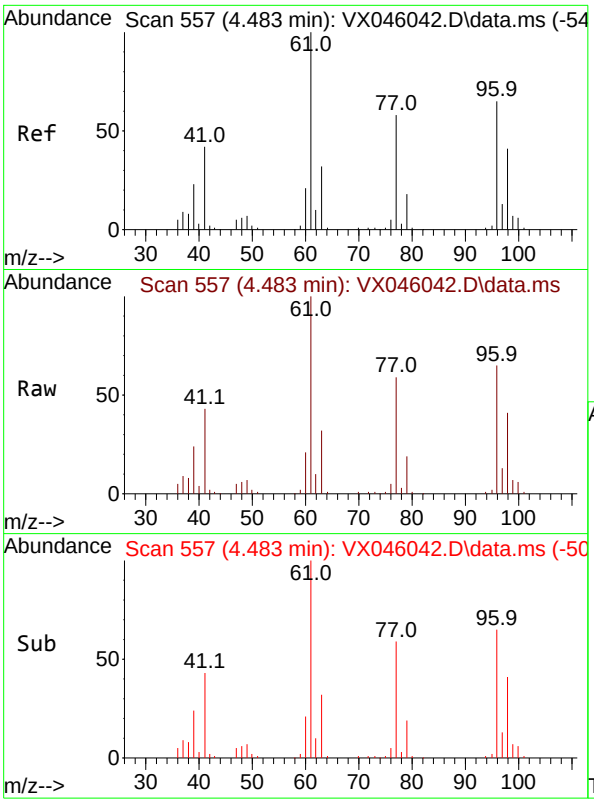




#26
2,2-Dichloropropane
Concen: 36.059 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 77 Resp: 92857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.0 | 10.5 | 31.5 |






#27
cis-1,2-Dichloroethene
Concen: 35.466 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

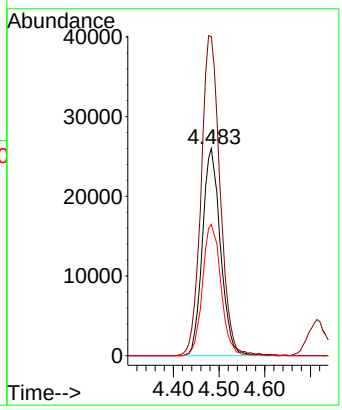
Tgt Ion: 96 Resp: 7151

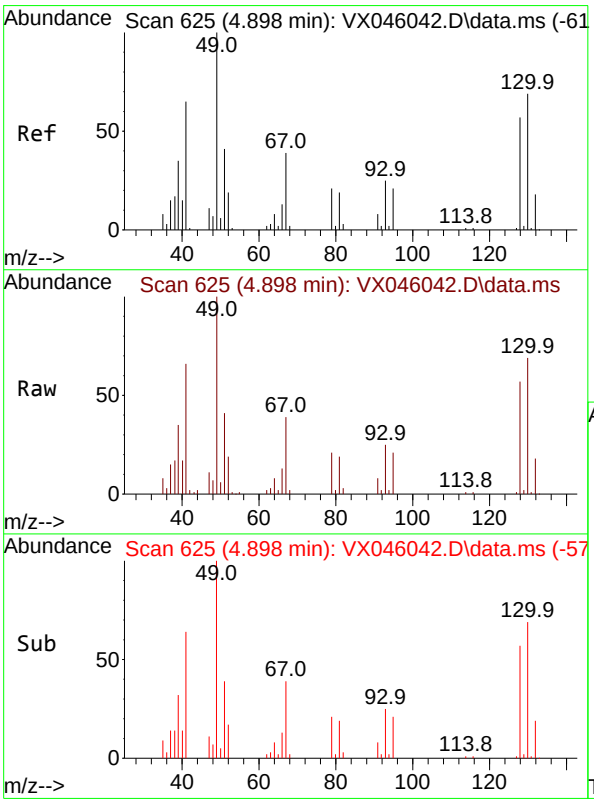
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.4 | 0.0 | 322.8 |
| 98 | 64.5 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

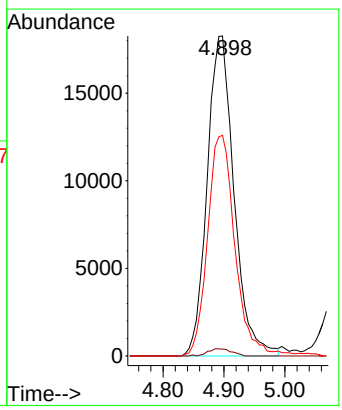


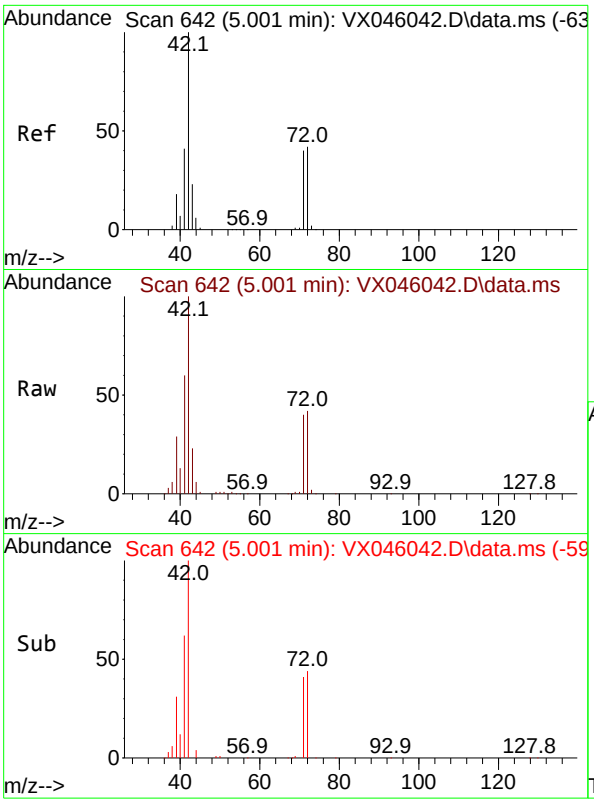




#28
Bromochloromethane
Concen: 31.031 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 49 Resp: 56091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 70.2 | 56.2 | 84.2 |






#29
Tetrahydrofuran
Concen: 183.679 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

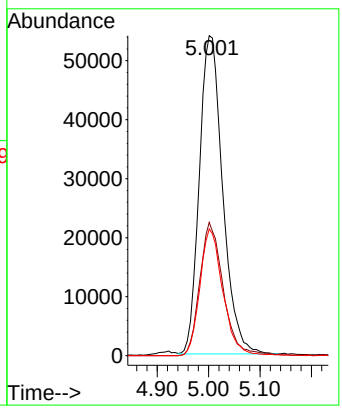
Tgt Ion: 42 Resp: 17012

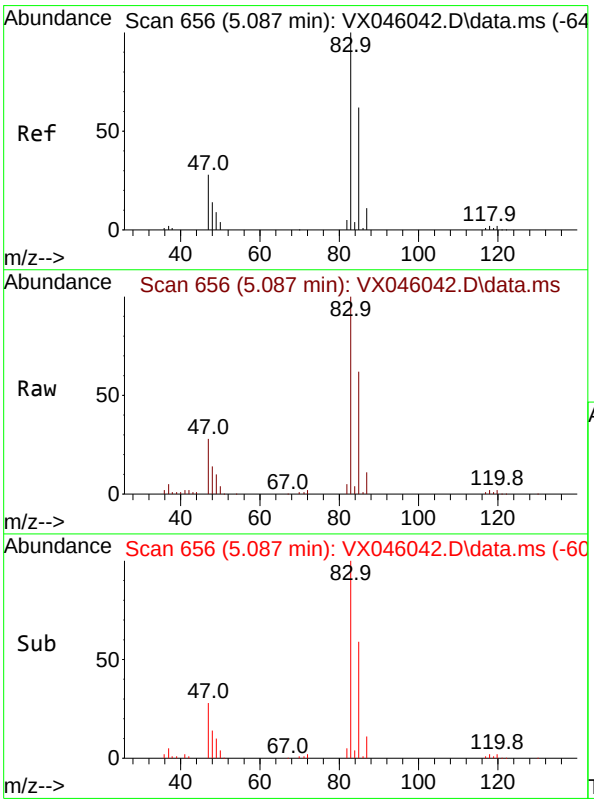
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.1 | 33.7 | 50.5 |
| 71 | 39.3 | 31.4 | 47.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

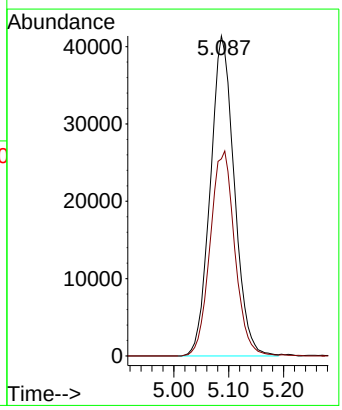


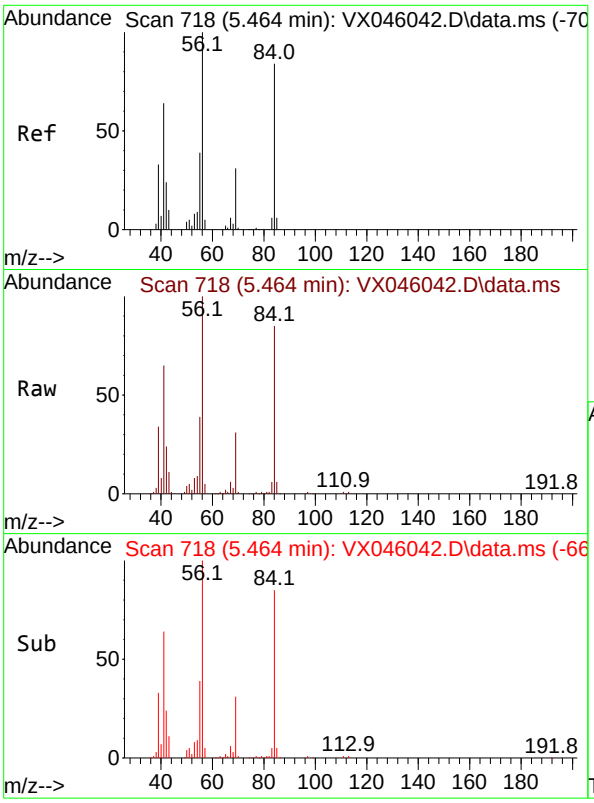




#30
Chloroform
Concen: 35.626 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 125850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.6 | 49.3 | 73.9 |

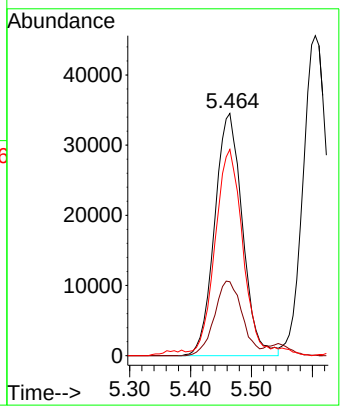





#31
Cyclohexane
Concen: 38.205 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 56 Resp: 10945

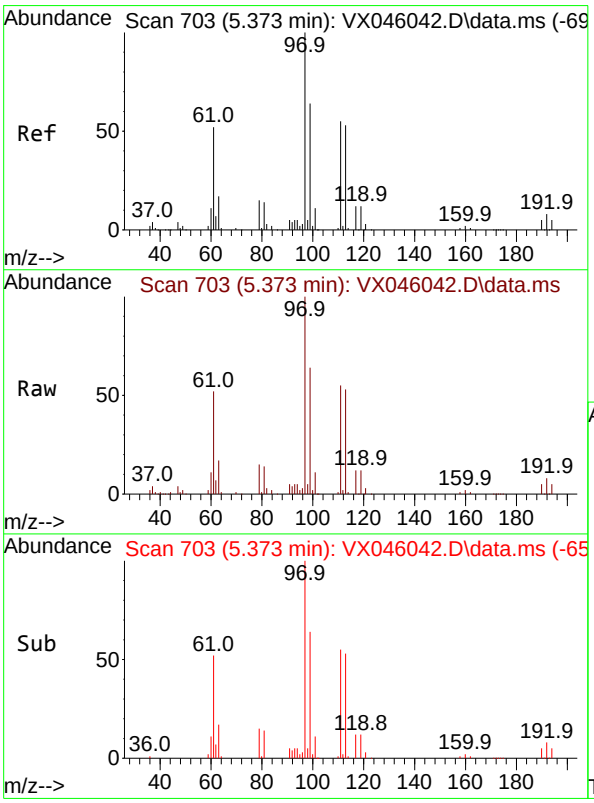
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.5 | 24.4 | 36.6 |
| 84 | 83.6 | 66.9 | 100.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

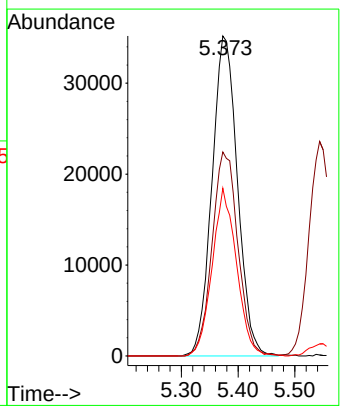
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

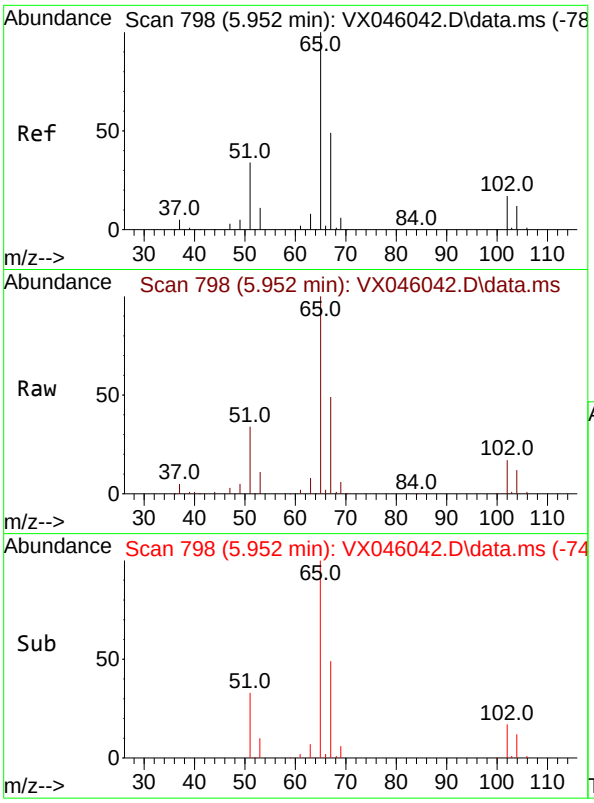



#32
1,1,1-Trichloroethane
Concen: 36.034 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 97 Resp: 109781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.7 | 51.8 | 77.6 |
| 61 | 50.1 | 40.1 | 60.1 |

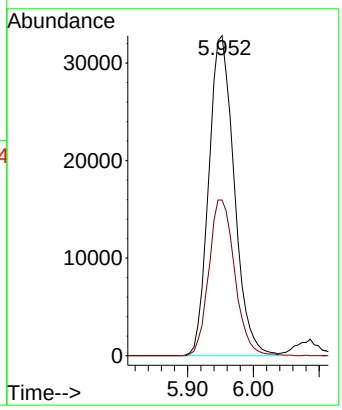





#33
1,2-Dichloroethane-d4
Concen: 30.601 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 65 Resp: 8837

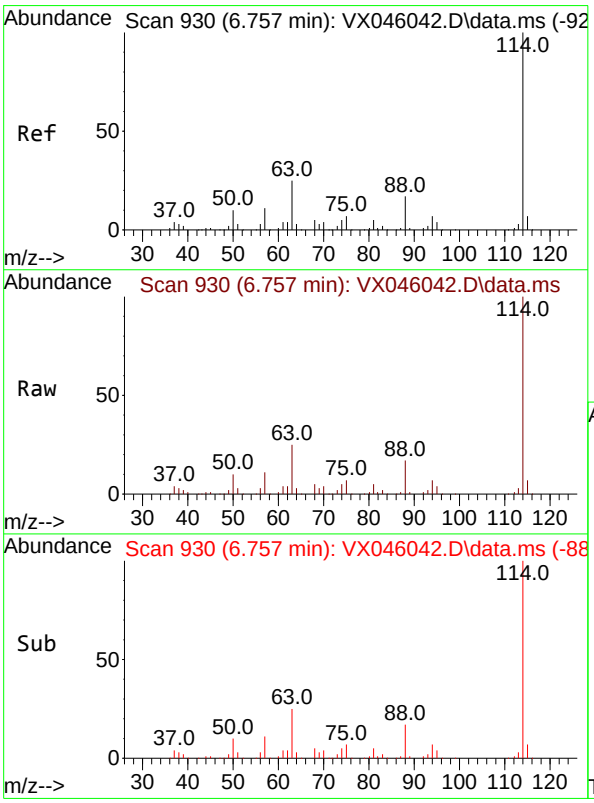
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.5 | 0.0 | 99.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

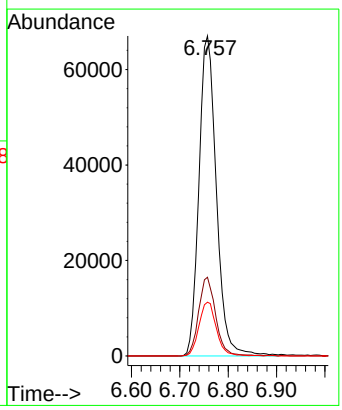
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

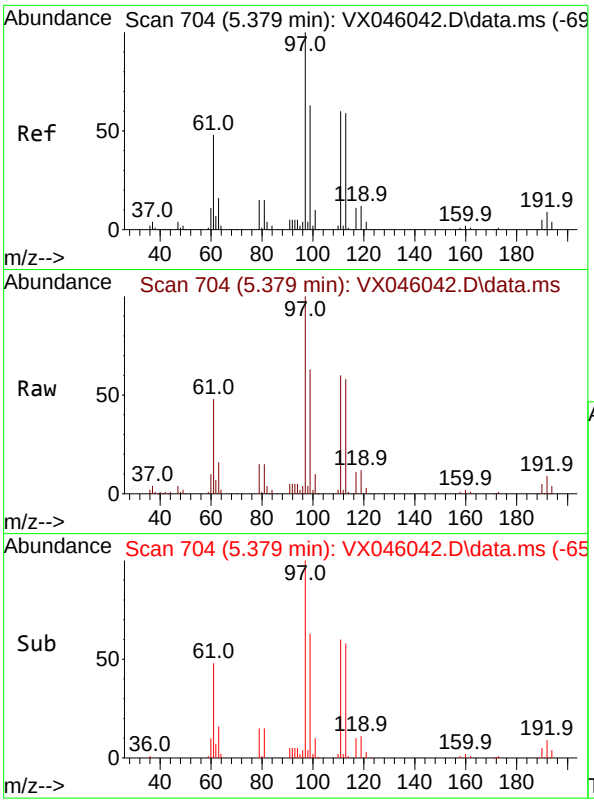



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:114 Resp: 167947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.6 | 0.0 | 49.2 |
| 88 | 16.8 | 0.0 | 33.6 |

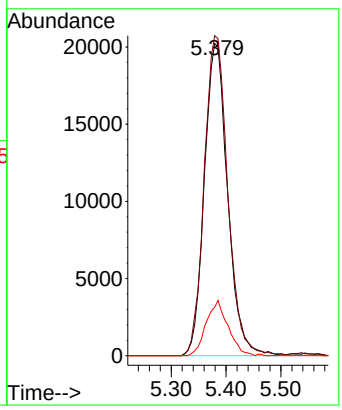





#35
Dibromofluoromethane
Concen: 31.633 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:113 Resp: 5955

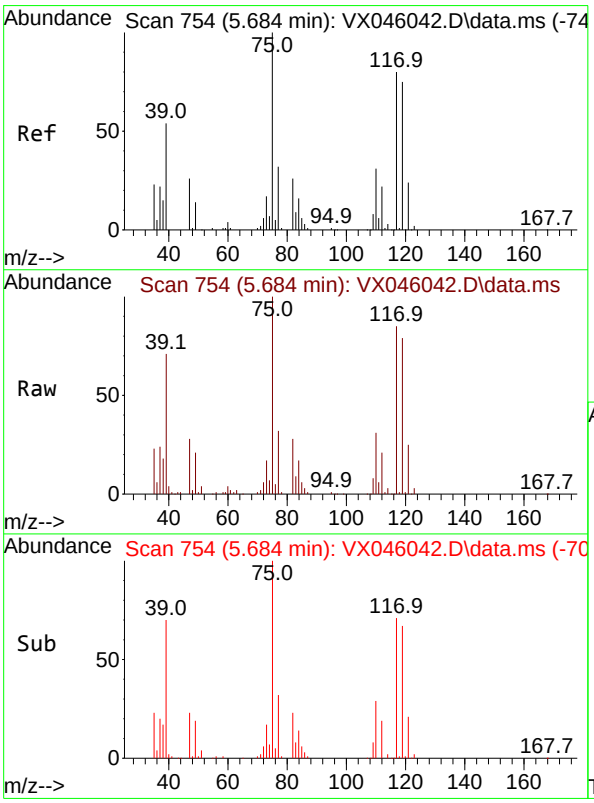
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.9 | 83.1 | 124.7 |
| 192 | 16.6 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

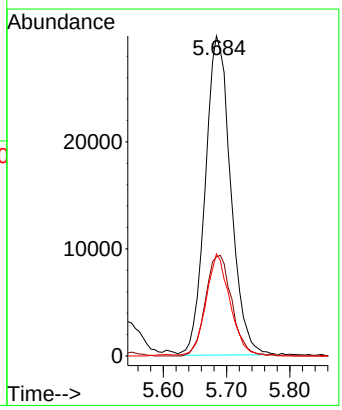
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

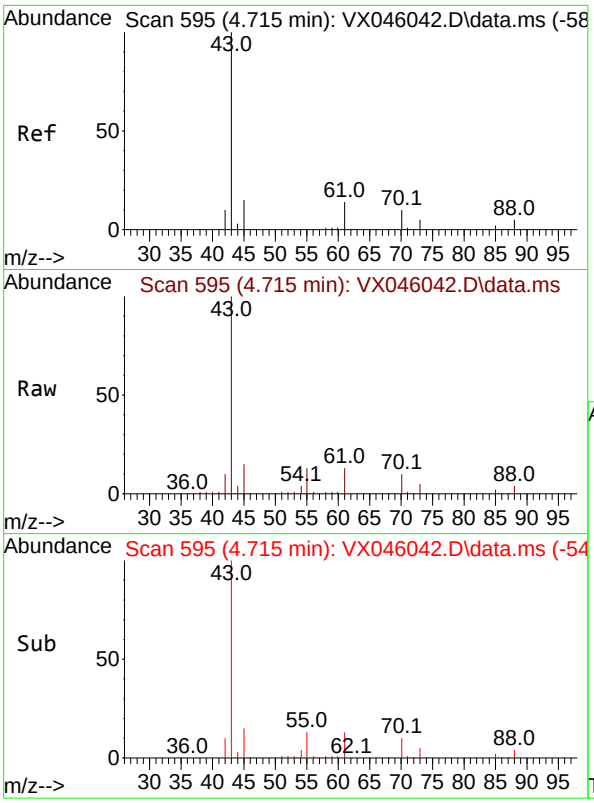



#36
1,1-Dichloropropene
Concen: 38.073 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 83215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.6 | 16.3 | 48.9 |
| 77 | 30.4 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 37.394 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

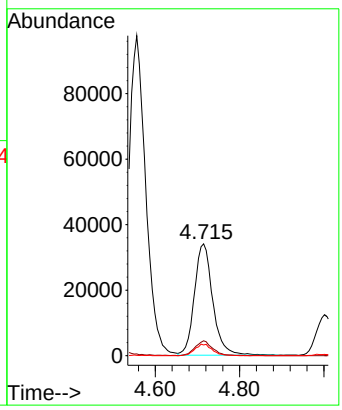
Tgt Ion: 43 Resp: 10253

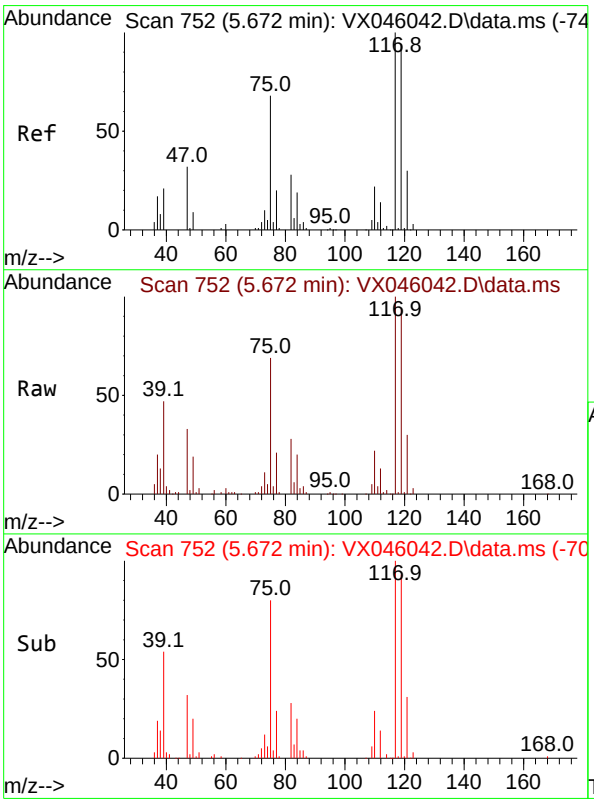
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 10.3 | 15.5 |
| 70 | 9.9 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

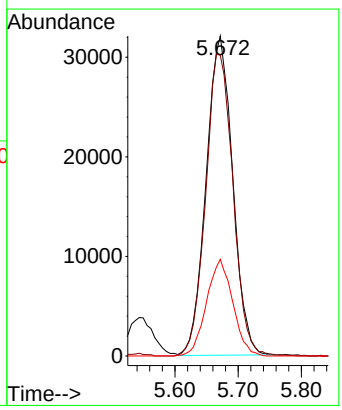


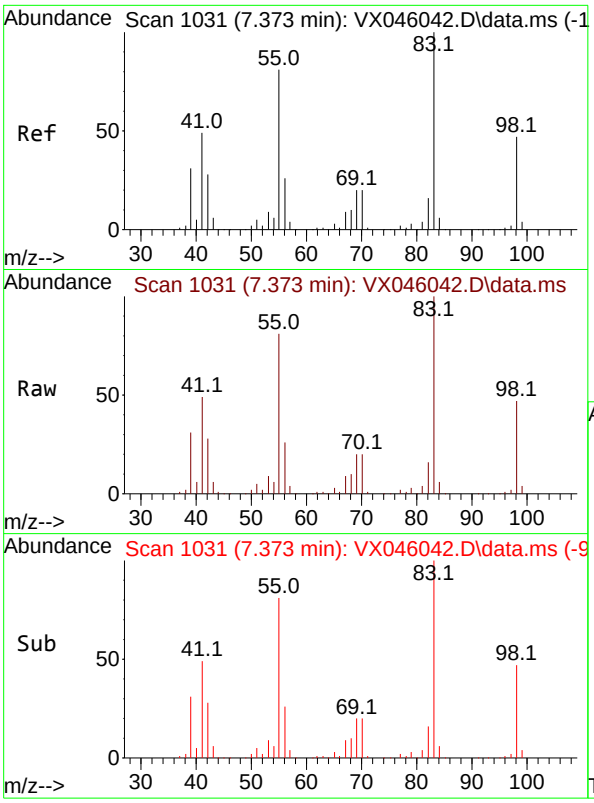




#38
Carbon Tetrachloride
Concen: 37.320 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 93712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.0 | 75.2 | 112.8 |
| 121 | 30.3 | 24.2 | 36.4 |






#39
Methylcyclohexane
Concen: 39.307 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

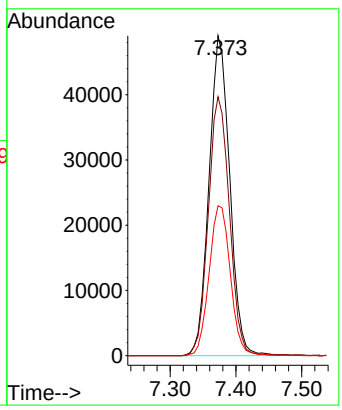
Tgt Ion: 83 Resp: 10765

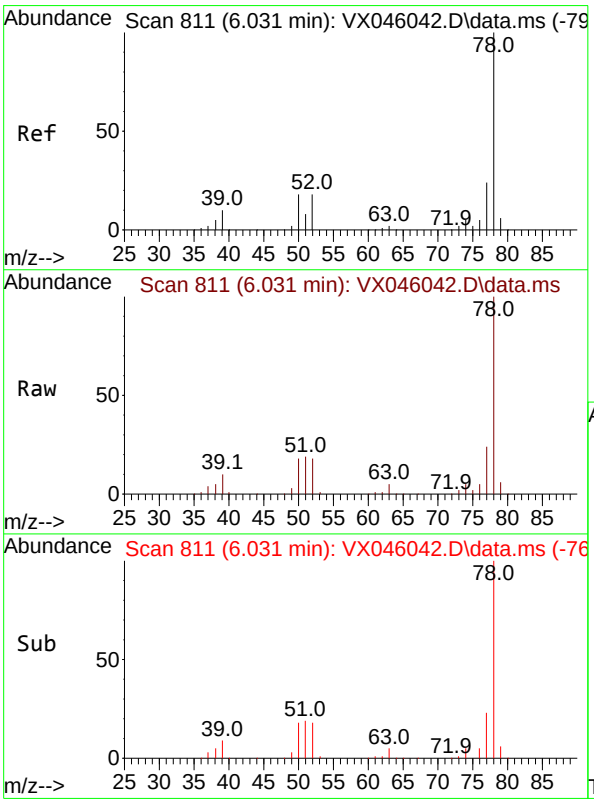
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.9 | 64.7 | 97.1 |
| 98 | 46.8 | 37.4 | 56.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

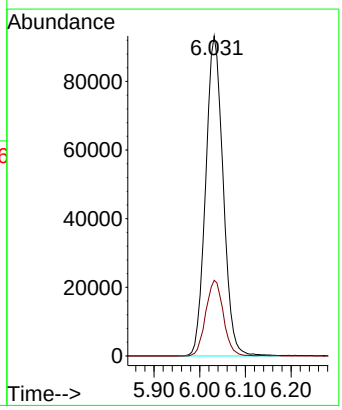


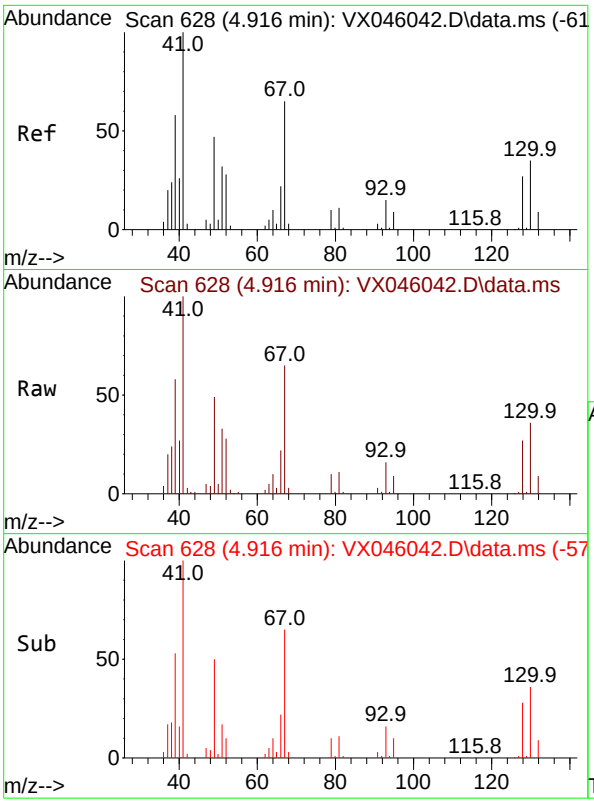




#40
Benzene
Concen: 36.530 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 78 Resp: 247476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.0 | 28.4 |

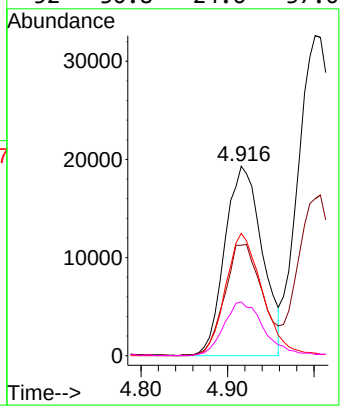





#41
Methacrylonitrile
Concen: 38.123 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 5808

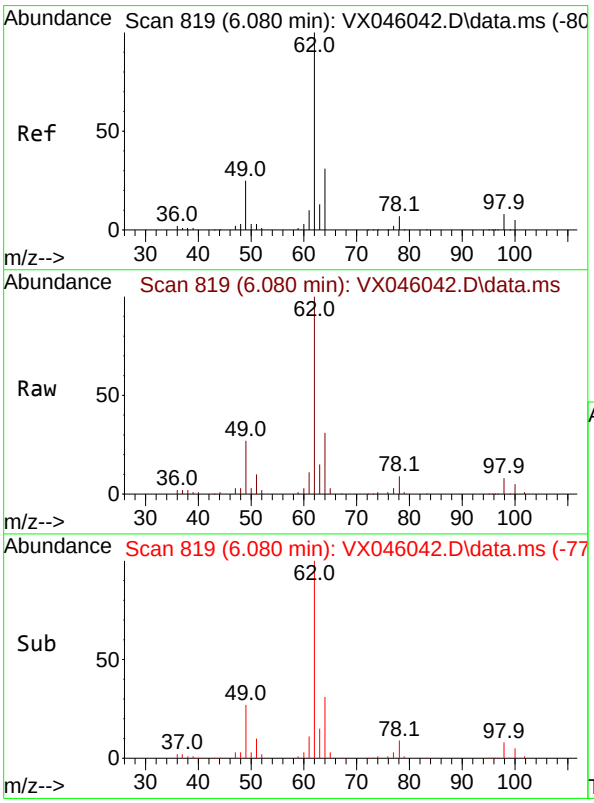
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.0 | 47.2 | 70.8 |
| 67 | 63.4 | 50.7 | 76.1 |
| 52 | 30.8 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

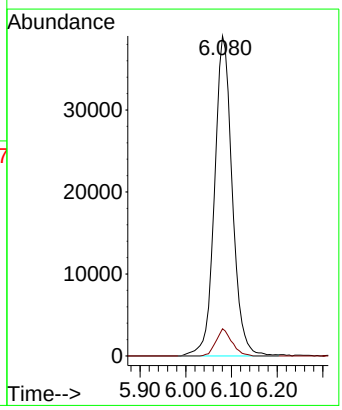
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

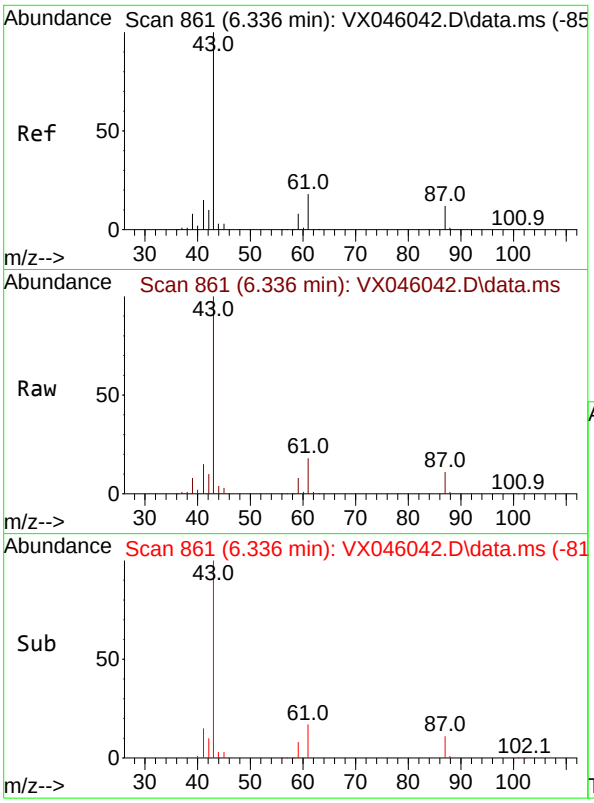



#42
1,2-Dichloroethane
Concen: 37.605 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 105332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.6 | 0.0 | 15.2 |

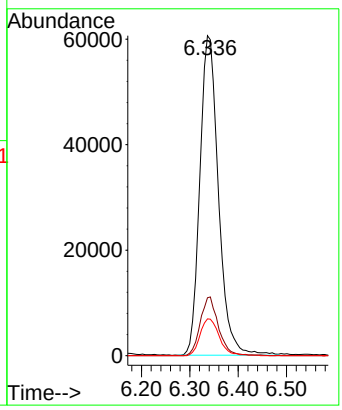





#43
Isopropyl Acetate
Concen: 38.598 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 16178

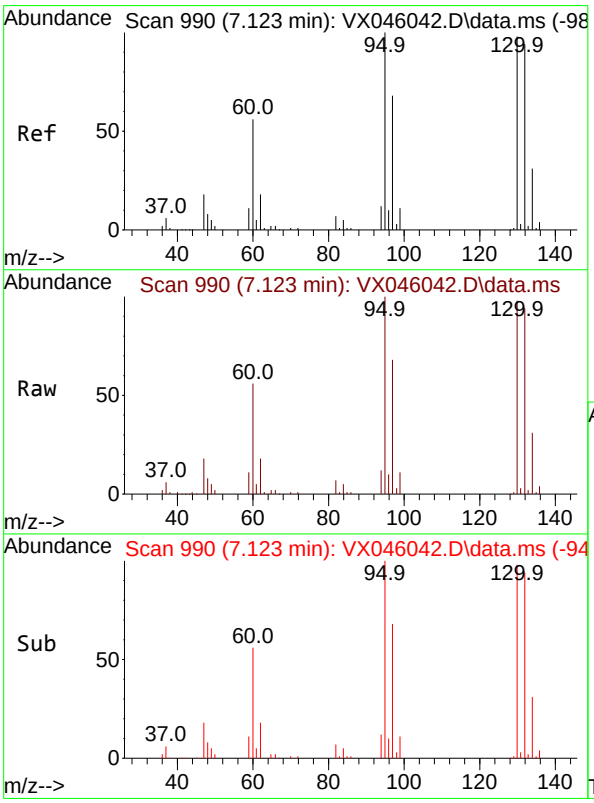
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.9 | 14.3 | 21.5 |
| 87 | 11.9 | 9.5 | 14.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

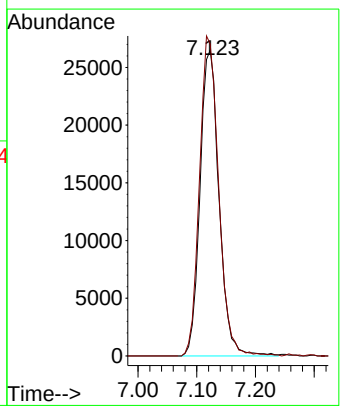
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

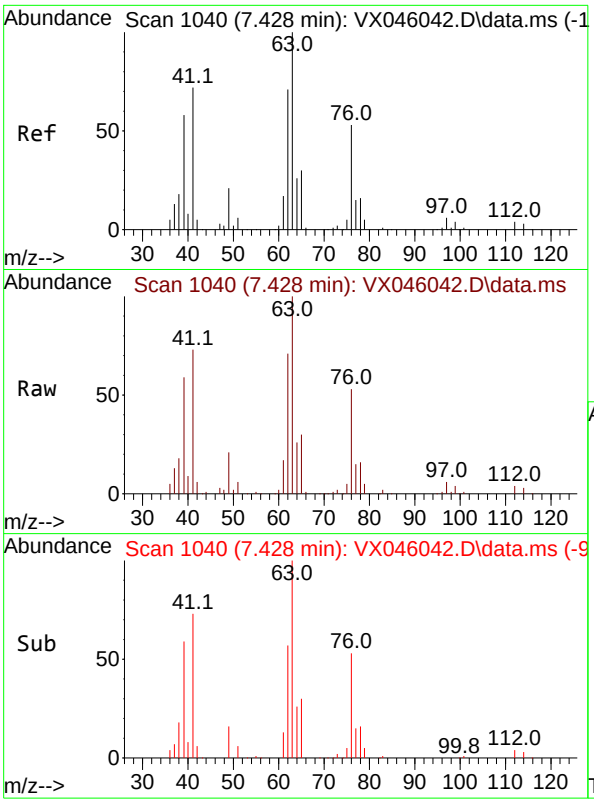



#44
Trichloroethene
Concen: 37.230 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:130 Resp: 59623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.1 | 0.0 | 204.2 |






#45
1,2-Dichloropropane
Concen: 37.064 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

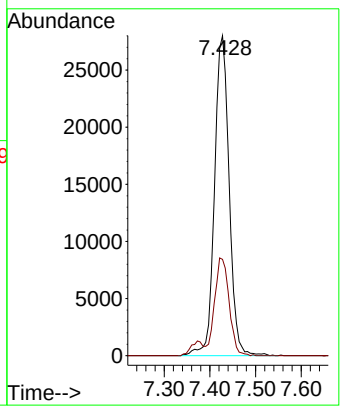
Tgt Ion: 63 Resp: 6238

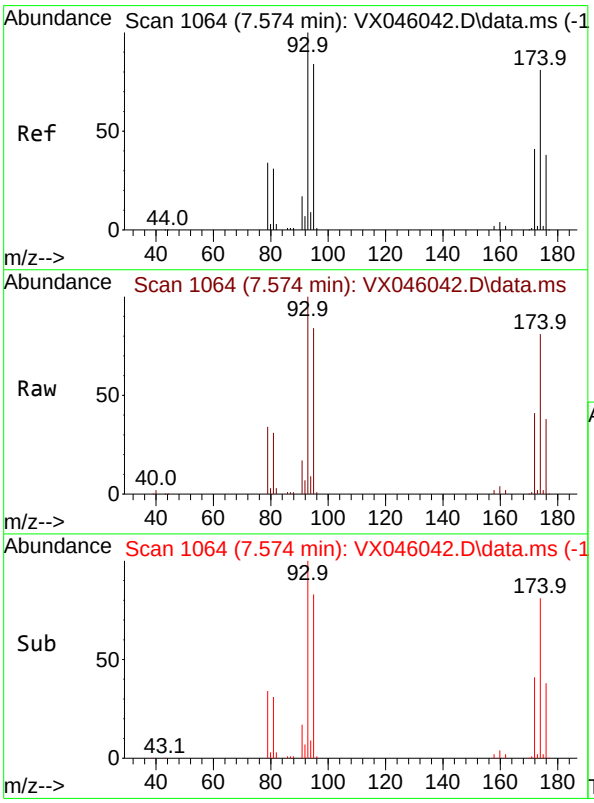
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.1 | 24.1 | 36.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

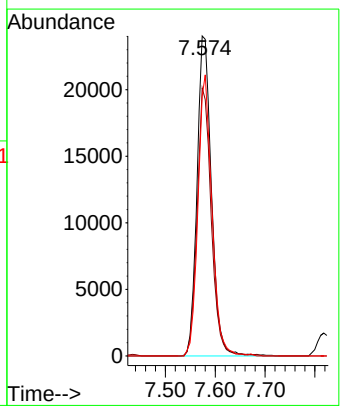


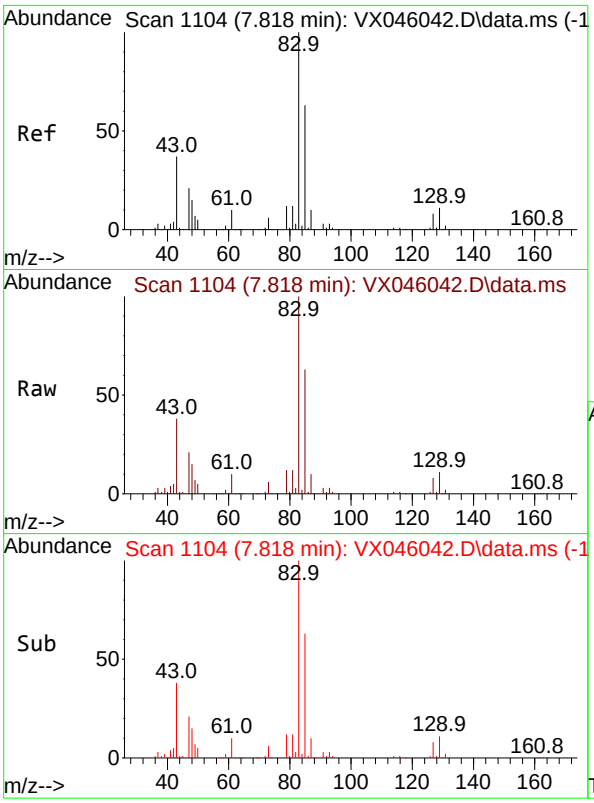




#46
Dibromomethane
Concen: 36.326 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 93 Resp: 48201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.0 | 65.6 | 98.4 |
| 174 | 85.2 | 68.2 | 102.2 |

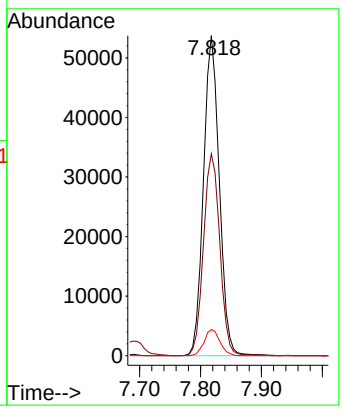





#47
Bromodichloromethane
Concen: 37.685 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 9691

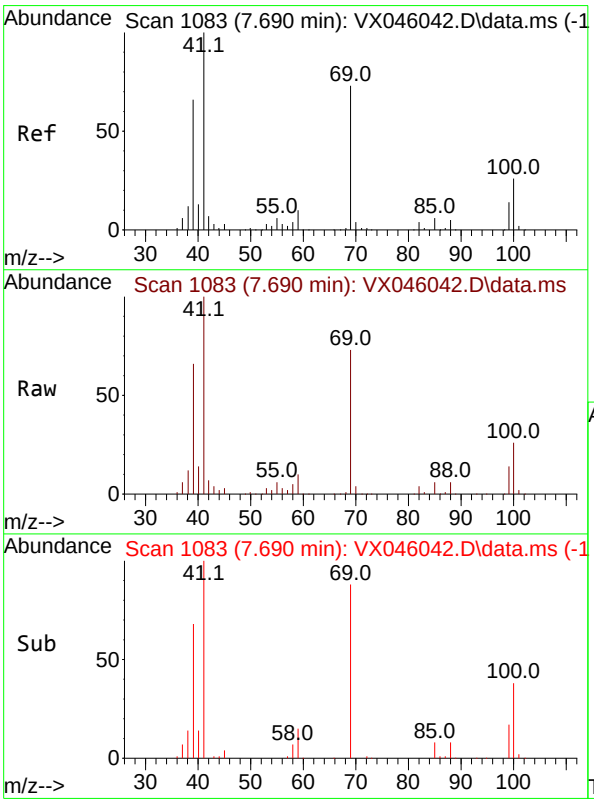
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 50.5 | 75.7 |
| 127 | 8.1 | 6.5 | 9.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

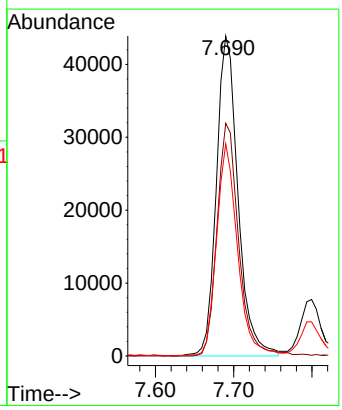
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

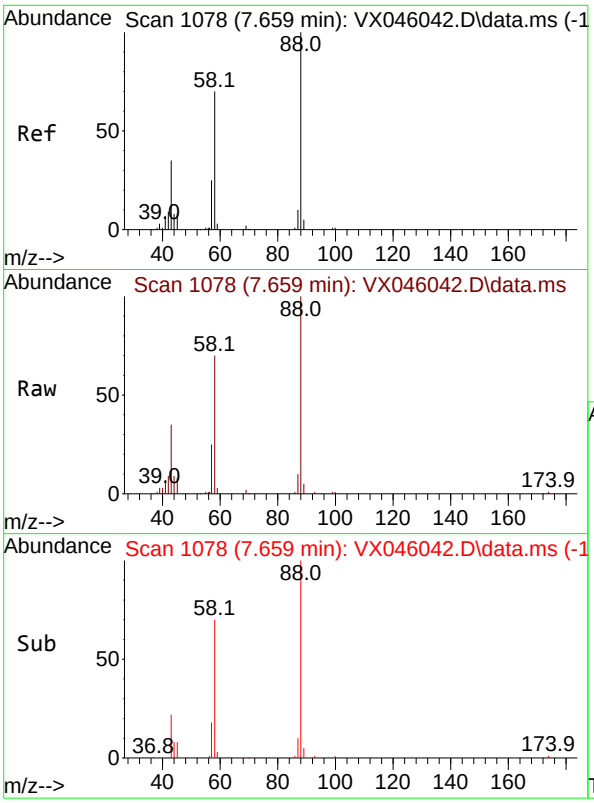



#48
Methyl methacrylate
Concen: 39.157 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 84277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 73.1 | 58.5 | 87.7 |
| 39 | 64.6 | 51.7 | 77.5 |

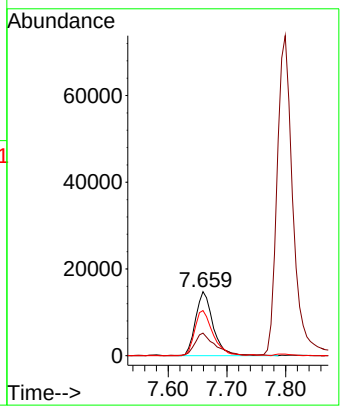





#49
1,4-Dioxane
Concen: 713.477 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 88 Resp: 3052

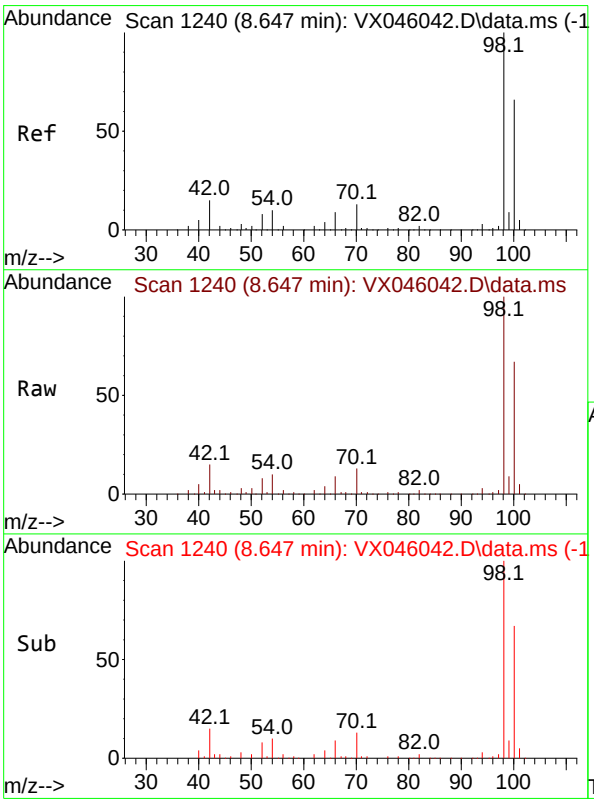
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.8 | 33.4 | 50.2 |
| 58 | 73.3 | 58.6 | 88.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

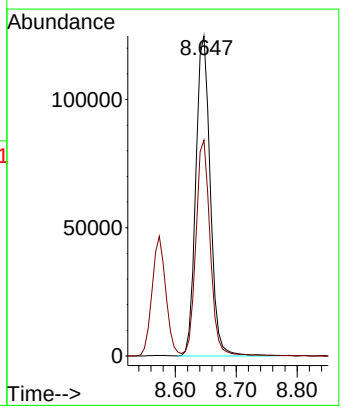
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

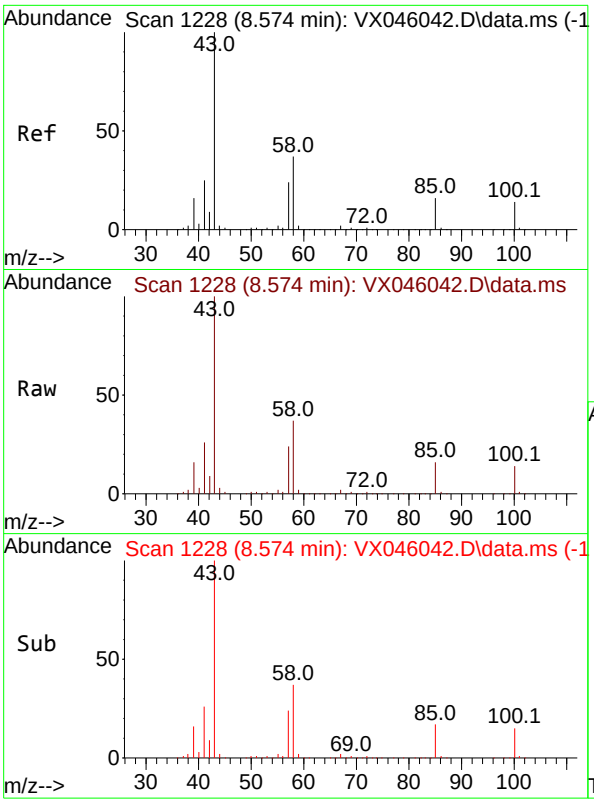



#50
Toluene-d8
Concen: 32.395 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 98 Resp: 205479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.5 | 80.3 |






#51
4-Methyl-2-Pentanone
Concen: 193.653 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

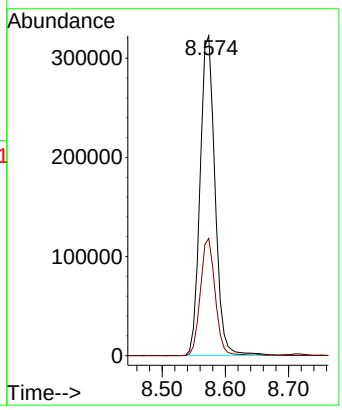
Tgt Ion: 43 Resp: 53238

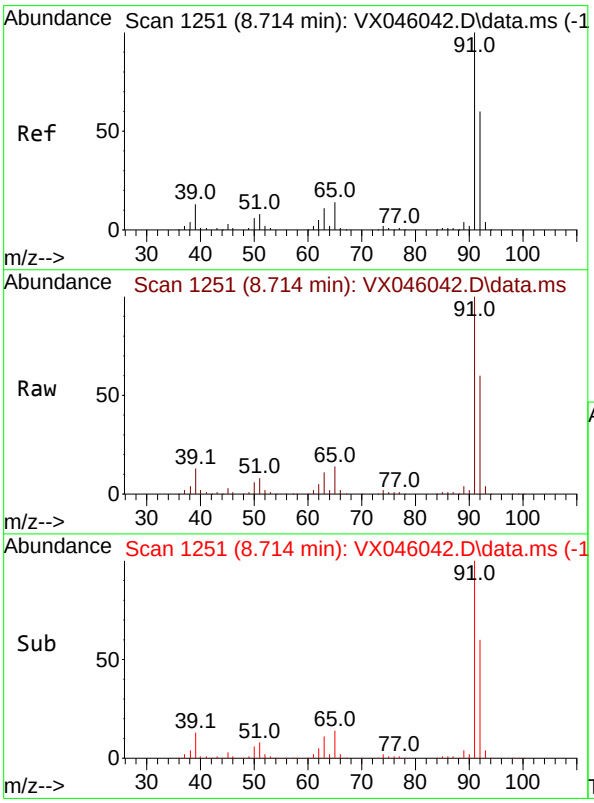
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.1 | 28.9 | 43.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

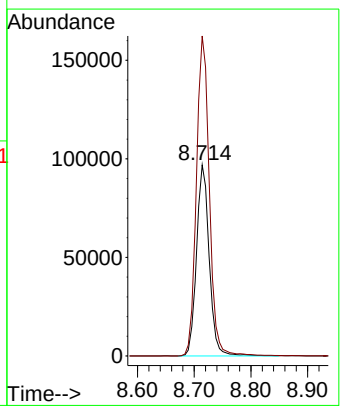


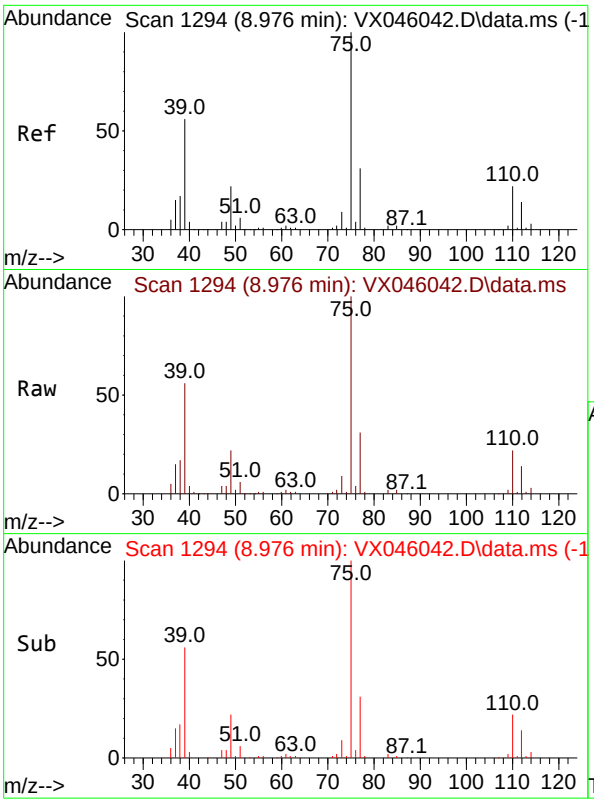




#52
Toluene
Concen: 37.530 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 92 Resp: 150757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.8 | 136.6 | 205.0 |

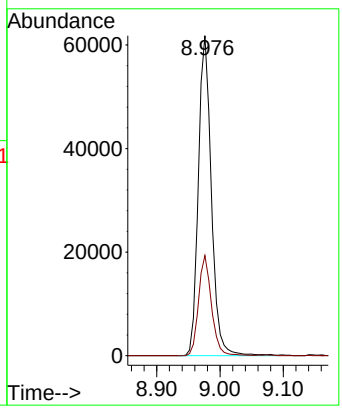





#53
t-1,3-Dichloropropene
Concen: 41.056 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 8865

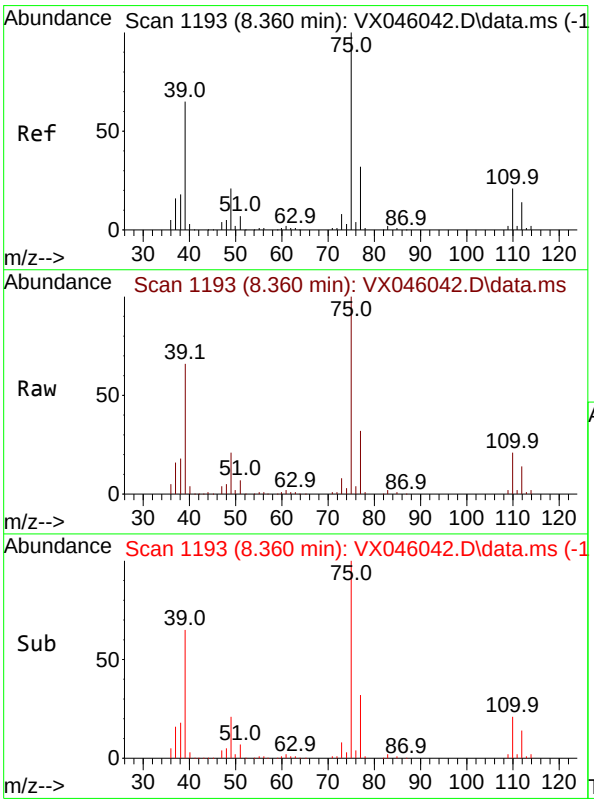
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

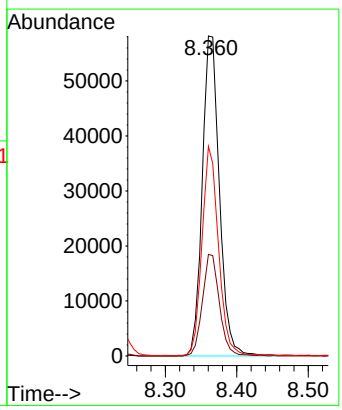
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

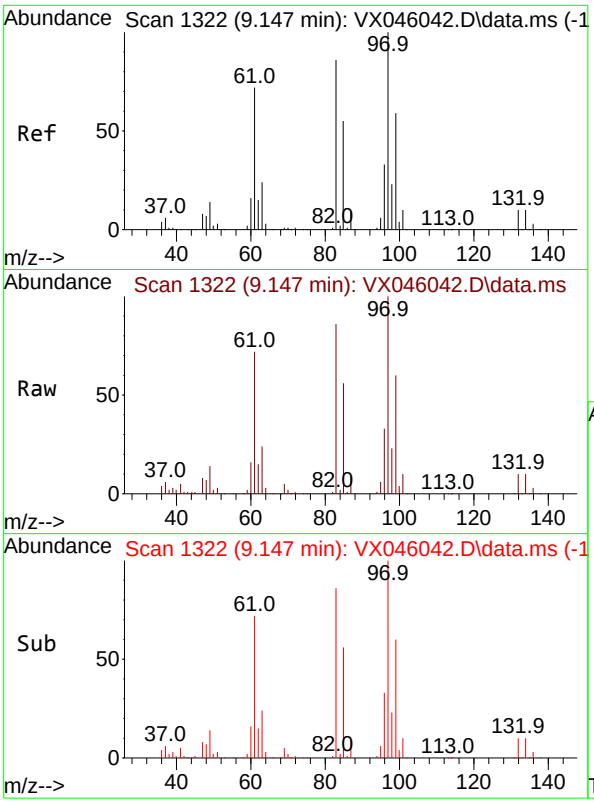



#54
cis-1,3-Dichloropropene
Concen: 38.521 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 97031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.4 | 38.0 |
| 39 | 65.3 | 52.2 | 78.4 |

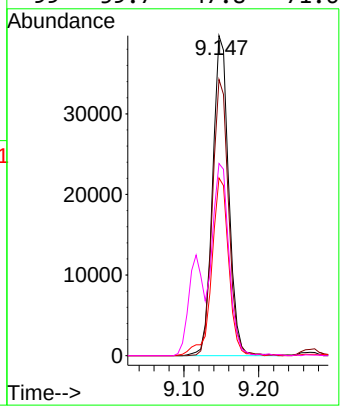





#55
1,1,2-Trichloroethane
Concen: 36.648 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 97 Resp: 5949

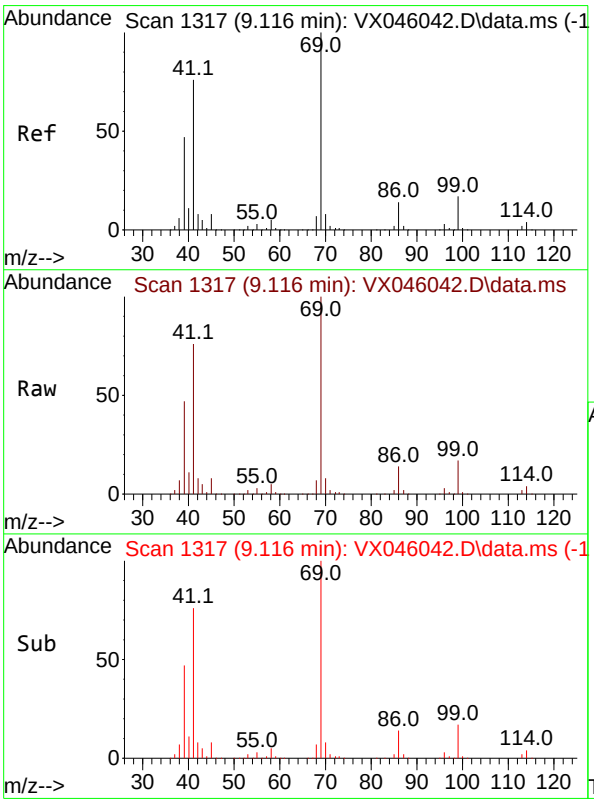
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.3 | 69.0 | 103.6 |
| 85 | 55.4 | 44.3 | 66.5 |
| 99 | 59.7 | 47.8 | 71.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

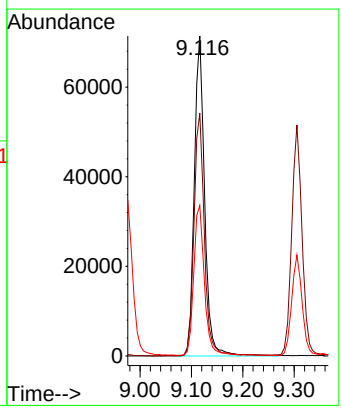
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

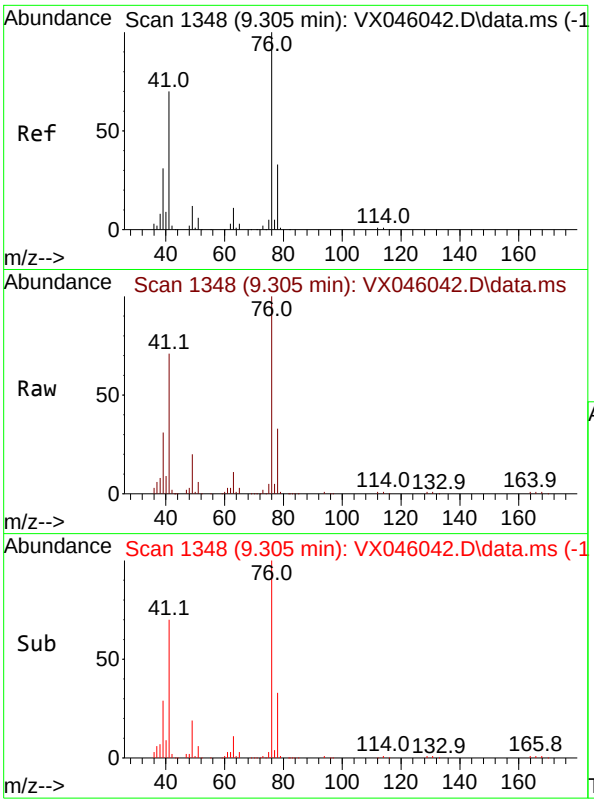



#56
Ethyl methacrylate
Concen: 39.726 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 69 Resp: 99947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 76.0 | 60.8 | 91.2 |
| 39 | 48.8 | 39.0 | 58.6 |






#57
1,3-Dichloropropane
Concen: 36.347 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

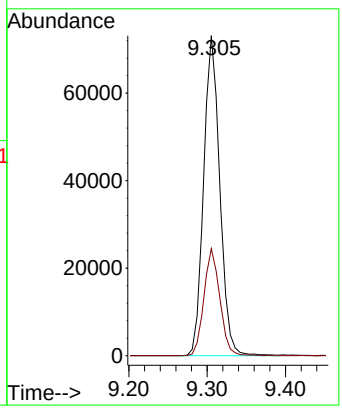
Tgt Ion: 76 Resp: 10460

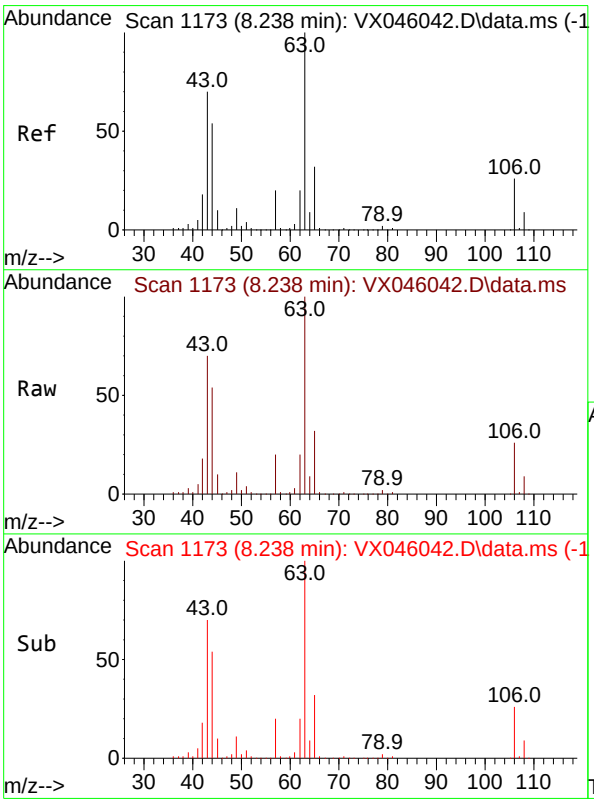
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.9 | 26.3 | 39.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

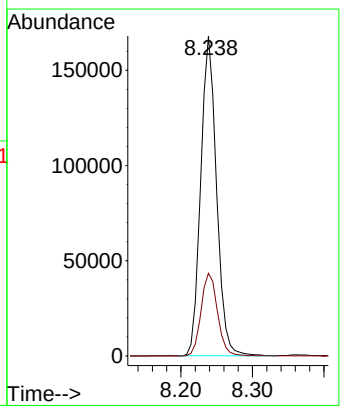


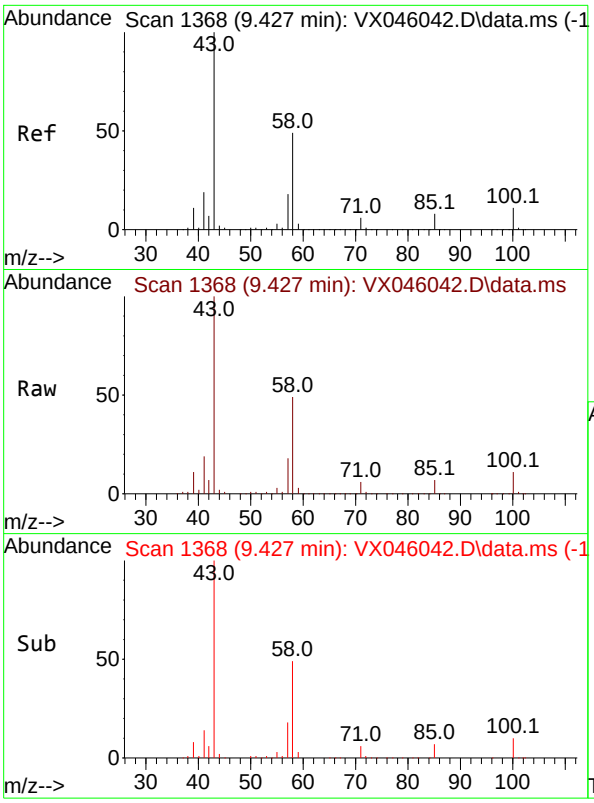




#58
2-Chloroethyl Vinyl ether
Concen: 227.902 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 257678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.9 | 21.5 | 32.3 |






#59
2-Hexanone
Concen: 190.168 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

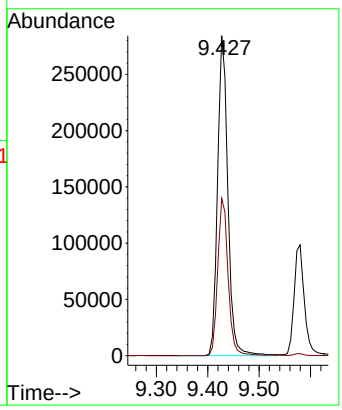
Tgt Ion: 43 Resp: 39678

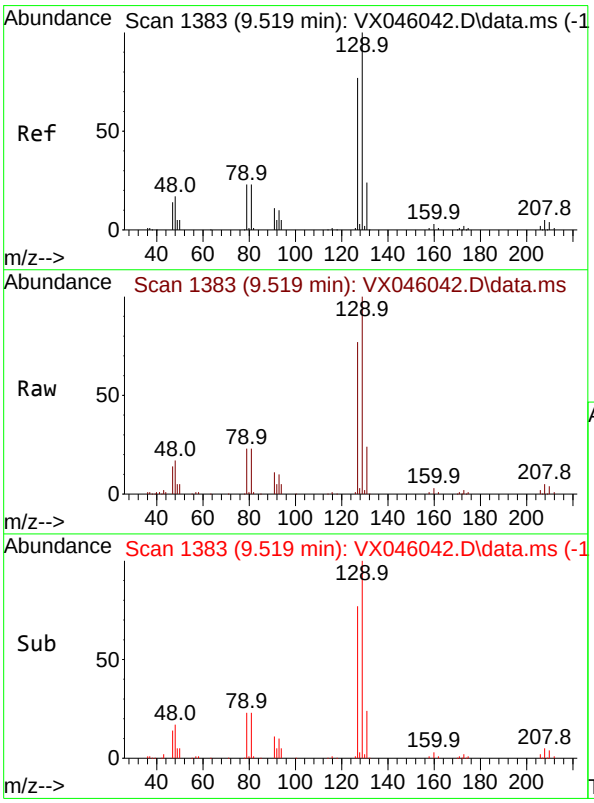
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.7 | 24.9 | 74.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

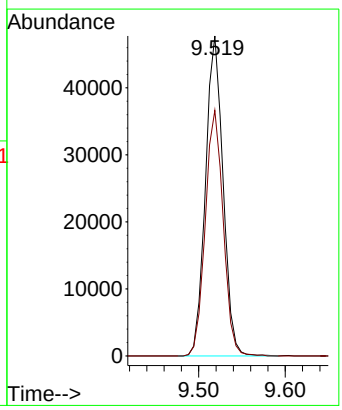


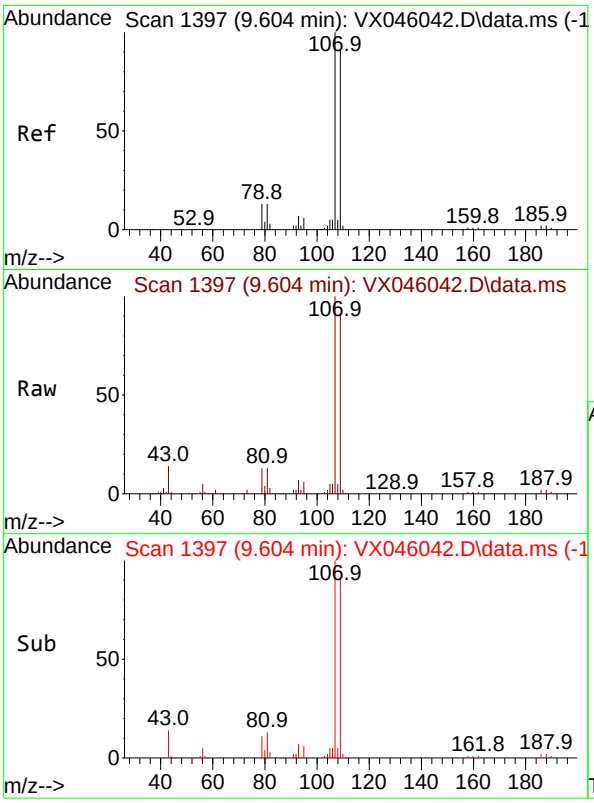




#60
Dibromochloromethane
Concen: 38.027 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:129 Resp: 67198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.5 | 39.3 | 117.8 |

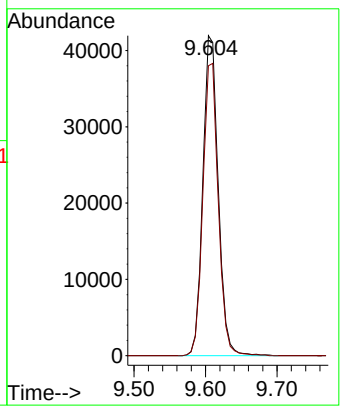





#61
1,2-Dibromoethane
Concen: 37.567 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:107 Resp: 6263

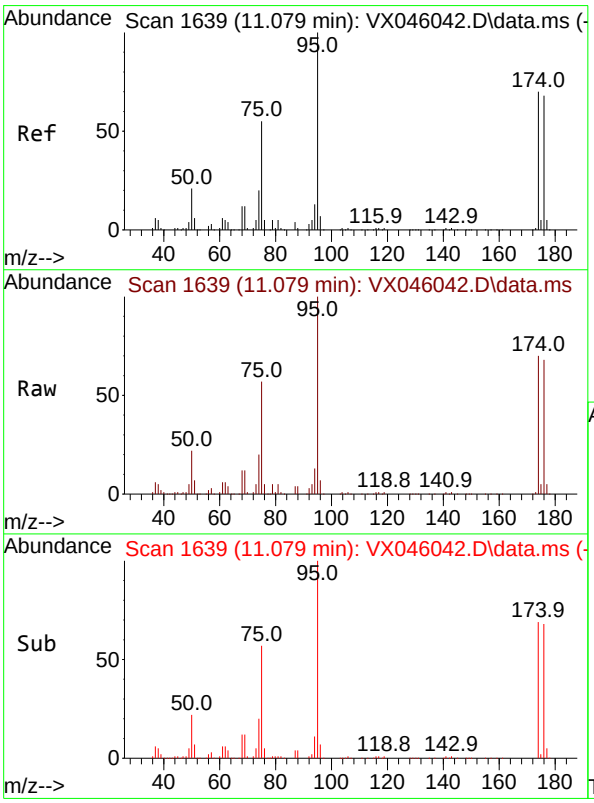
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.6 | 73.3 | 109.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

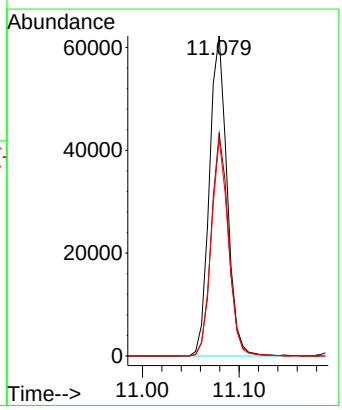
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

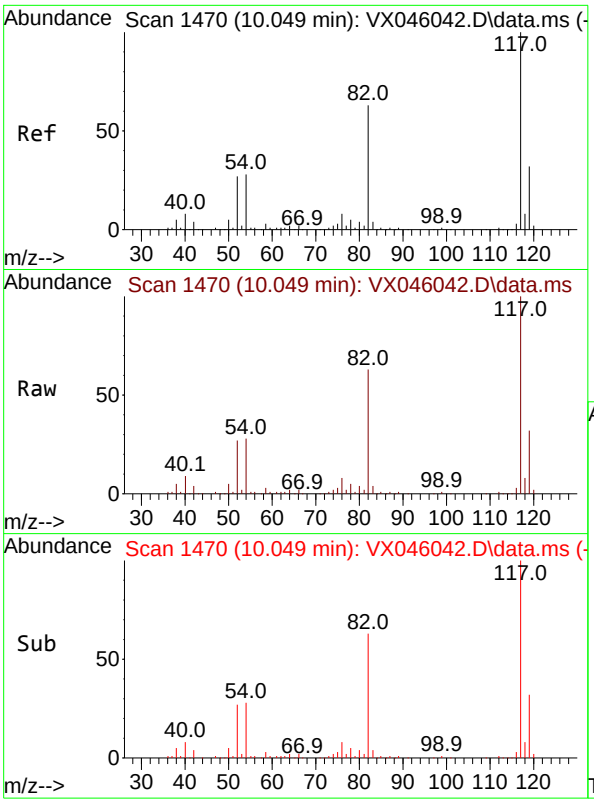



#62
4-Bromofluorobenzene
Concen: 34.229 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 95 Resp: 79012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.9 | 0.0 | 135.8 |
| 176 | 65.7 | 0.0 | 131.4 |

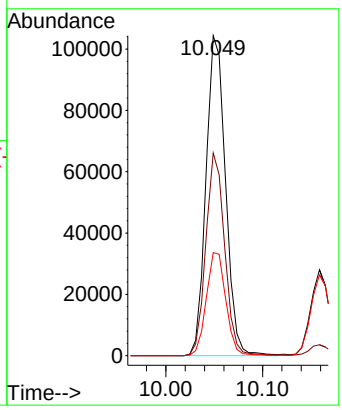





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 14625

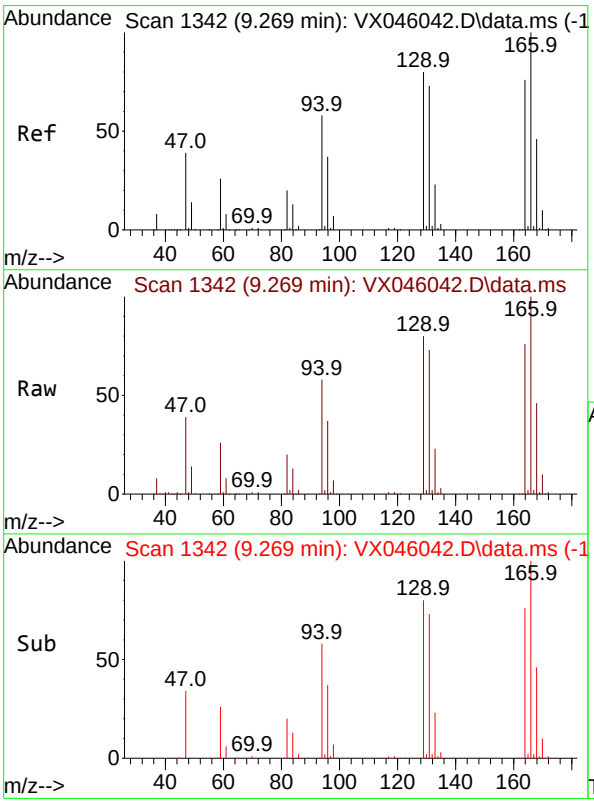
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 63.3 | 50.6 | 76.0 |
| 119 | 32.2 | 25.8 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

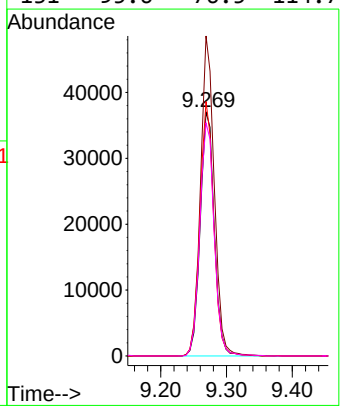
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

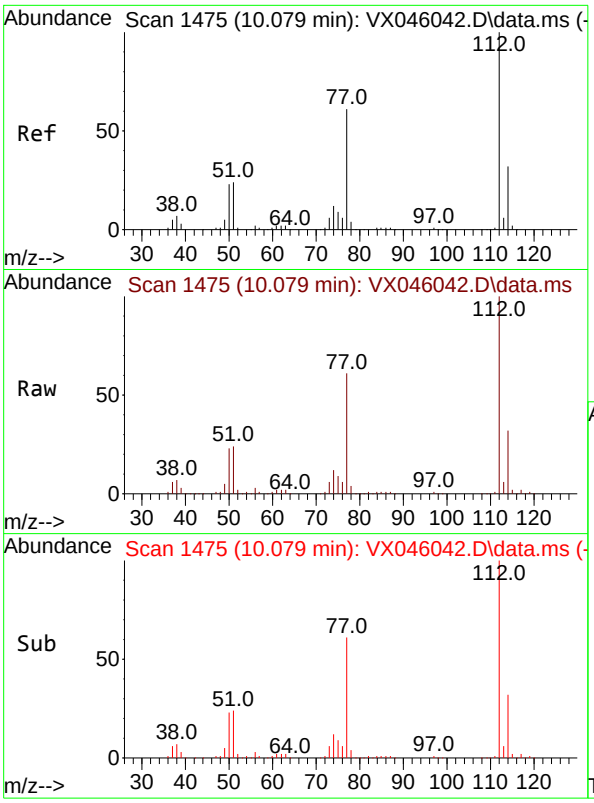



#64
Tetrachloroethene
Concen: 36.726 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:164 Resp: 54853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.3 | 105.0 | 157.6 |
| 129 | 104.4 | 83.5 | 125.3 |
| 131 | 95.6 | 76.5 | 114.7 |






#65
Chlorobenzene
Concen: 35.686 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

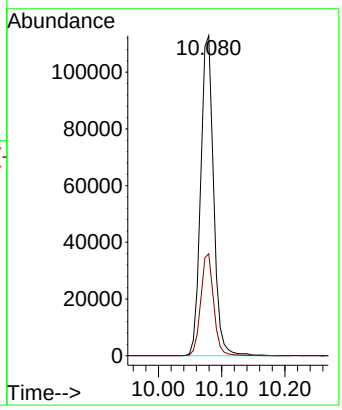
Tgt Ion:112 Resp: 16060

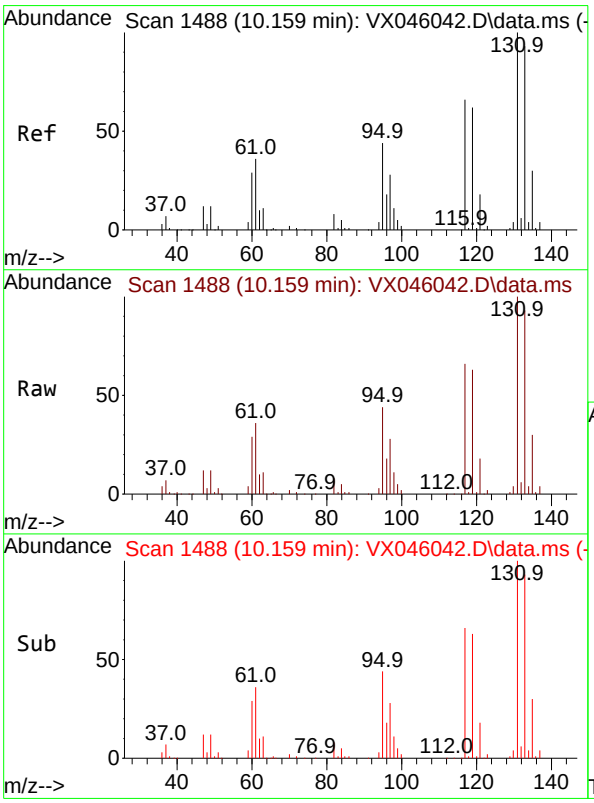
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 25.4 | 38.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

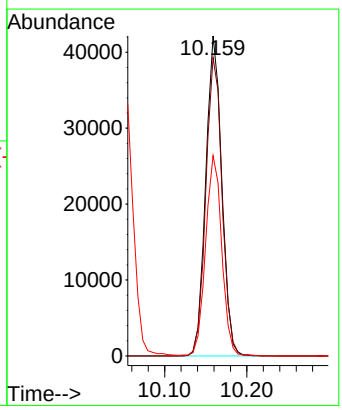


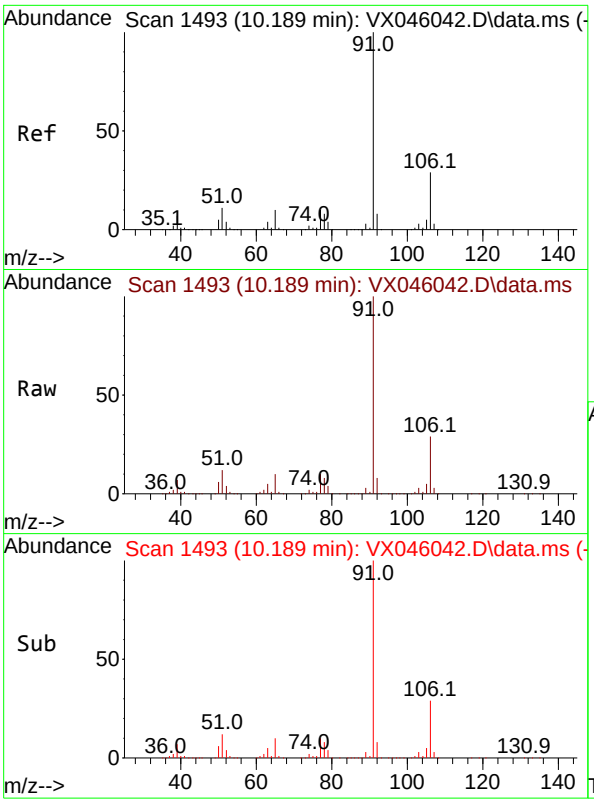




#66
1,1,1,2-Tetrachloroethane
Concen: 38.017 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:131 Resp: 57066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.6 | 47.3 | 141.9 |
| 119 | 63.3 | 31.6 | 95.0 |

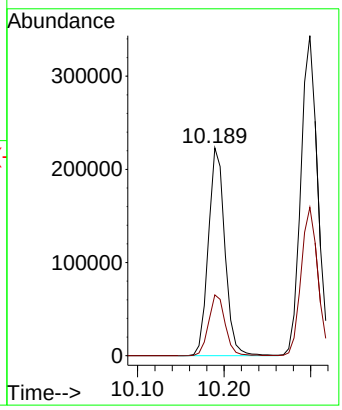





#67
Ethyl Benzene
Concen: 38.543 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 29571

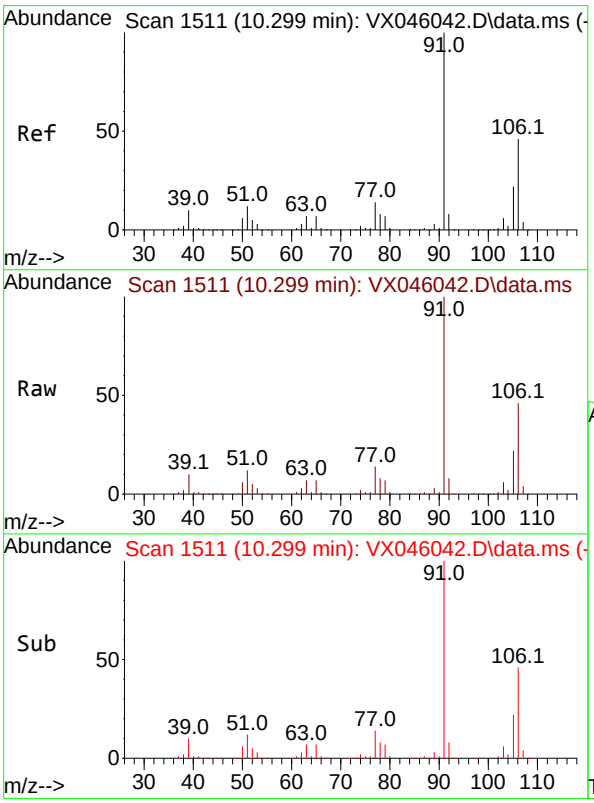
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.3 | 23.4 | 35.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

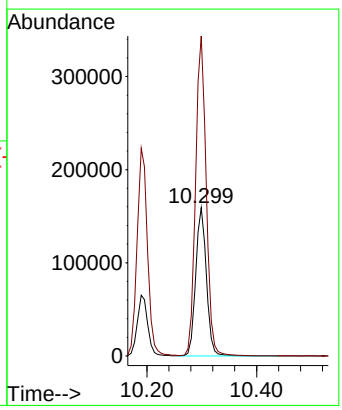
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

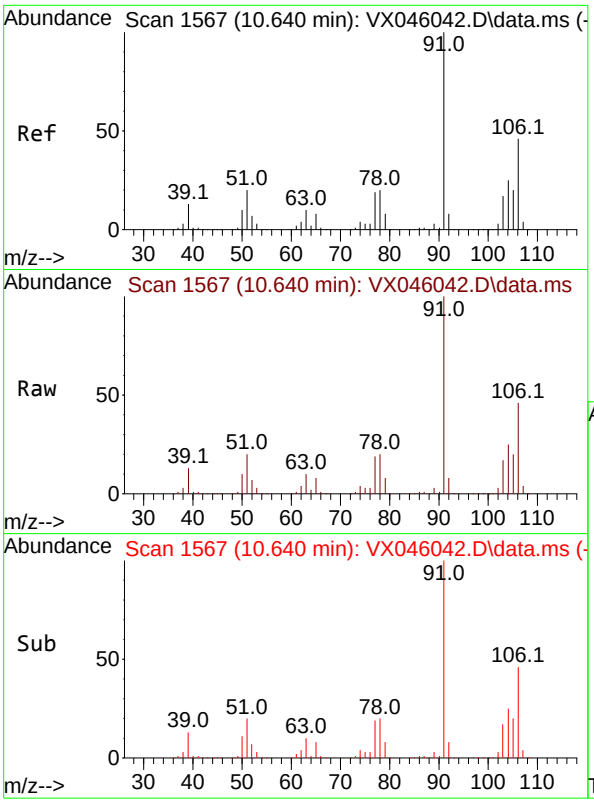



#68
m/p-Xylenes
Concen: 78.142 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:106 Resp: 216578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.0 | 171.2 | 256.8 |






#69
o-Xylene
Concen: 38.064 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

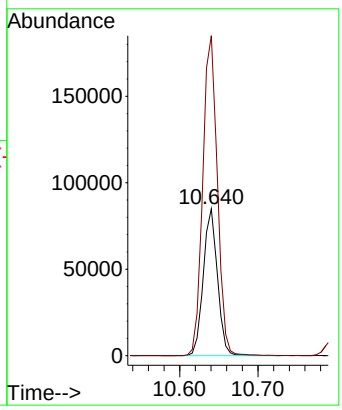
Tgt Ion:106 Resp: 10633

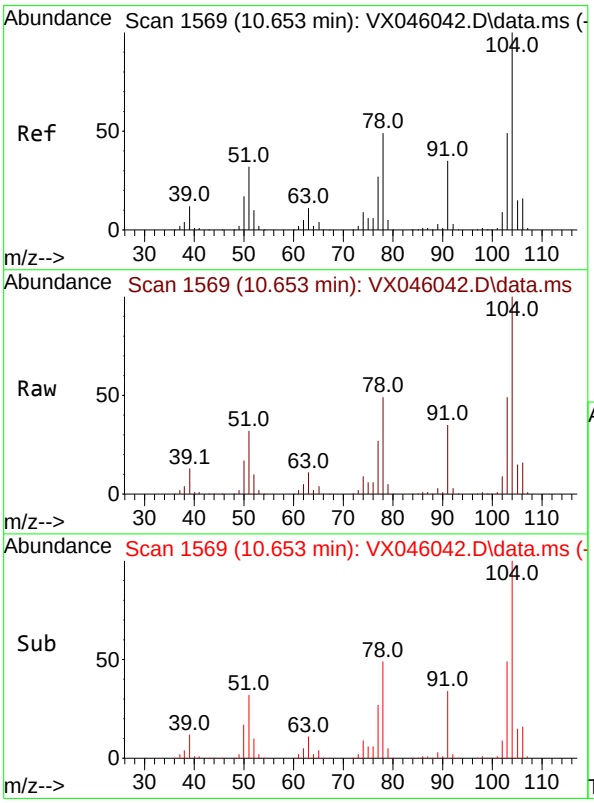
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 225.4 | 112.7 | 338.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

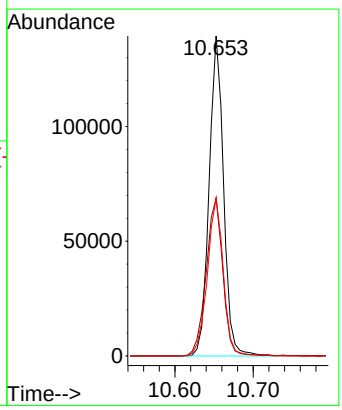


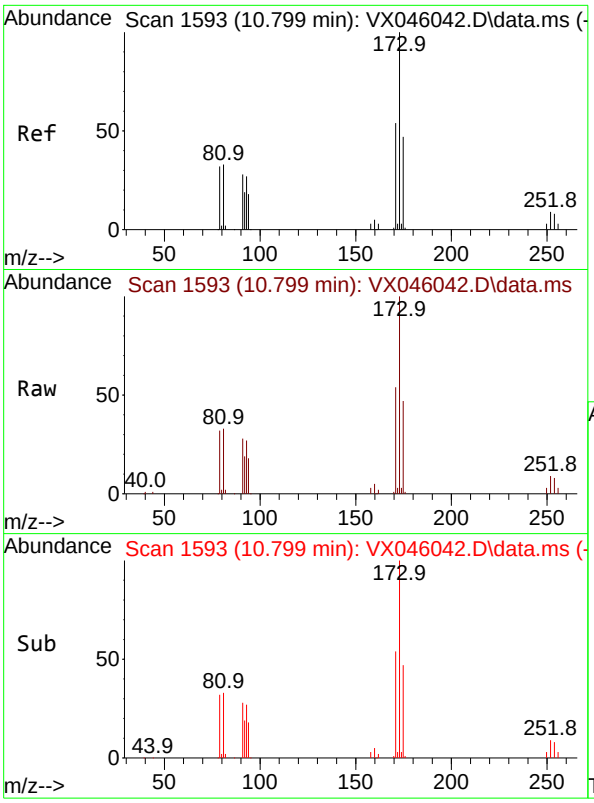




#70
Styrene
Concen: 39.888 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:104 Resp: 178313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.1 | 45.7 | 68.5 |
| 103 | 54.6 | 43.7 | 65.5 |

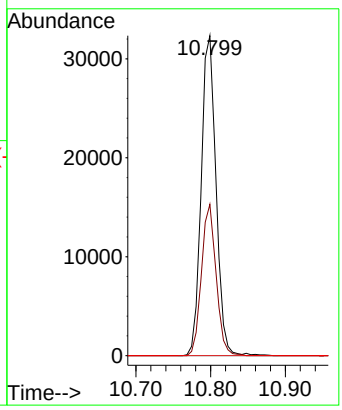





#71
Bromoform
Concen: 39.457 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:173 Resp: 4448

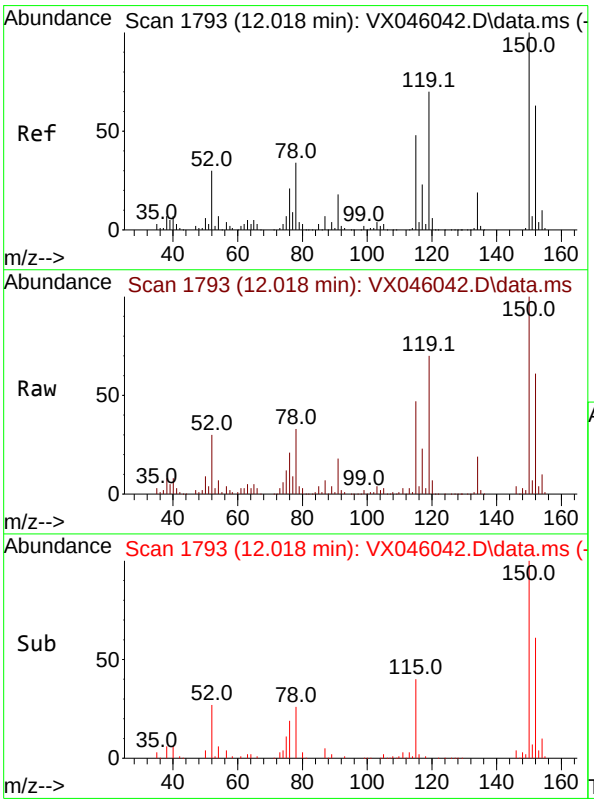
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.7 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

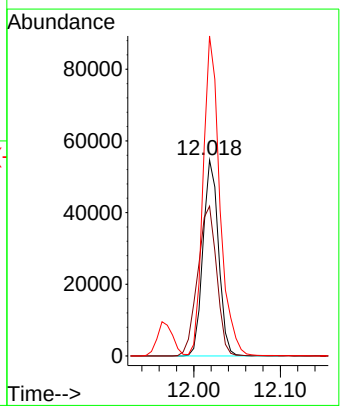
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

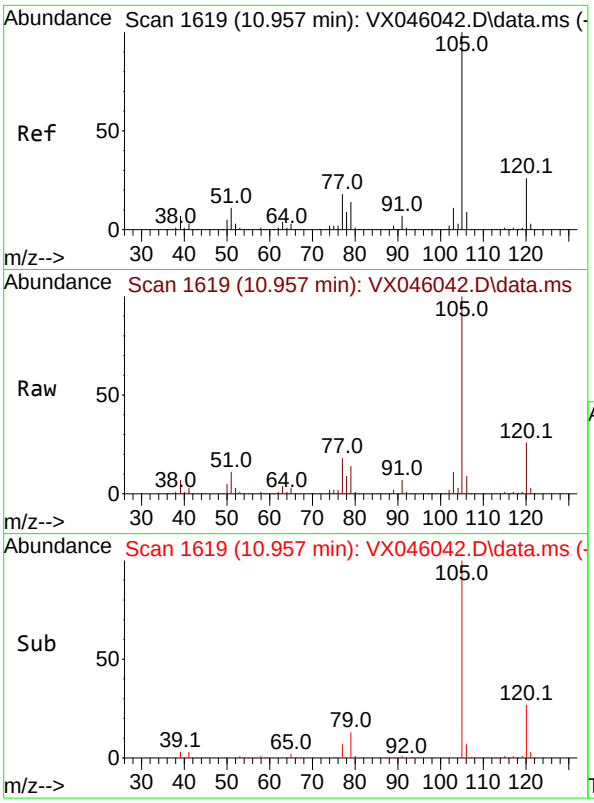



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:152 Resp: 67976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 93.8 | 46.9 | 140.7 |
| 150 | 175.5 | 0.0 | 351.0 |






#73
Isopropylbenzene
Concen: 37.865 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

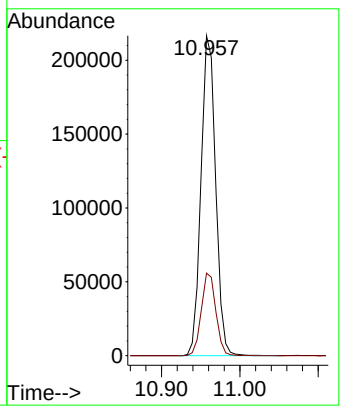
Tgt Ion:105 Resp: 28071

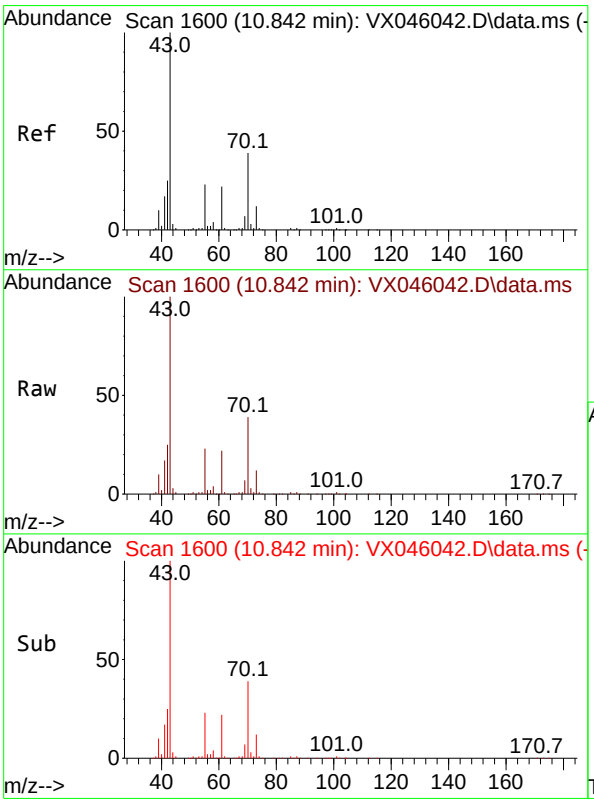
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 12.8 | 38.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

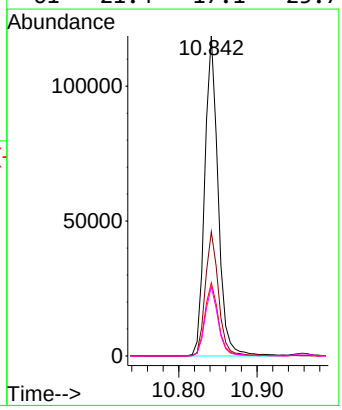


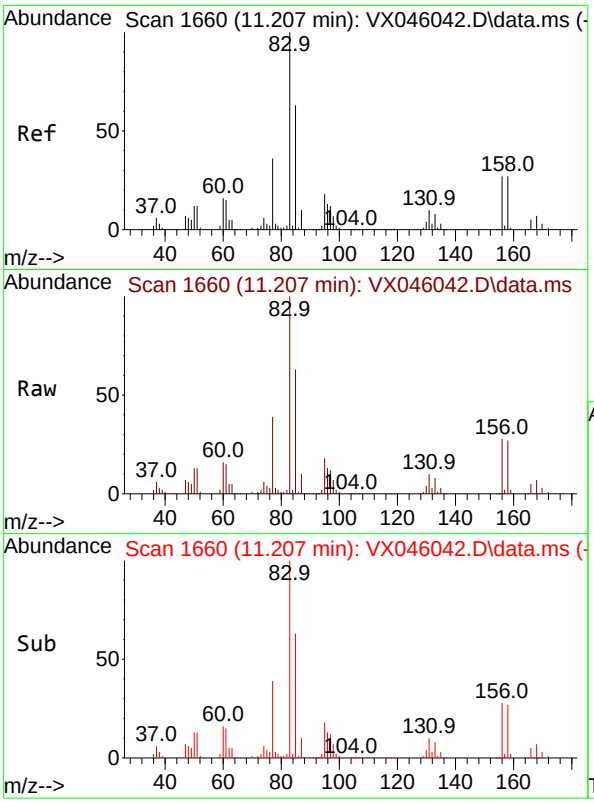




#74
N-amyl acetate
Concen: 38.012 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 140509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.6 | 30.9 | 46.3 |
| 55 | 23.4 | 18.7 | 28.1 |
| 61 | 21.4 | 17.1 | 25.7 |






#75
1,1,2,2-Tetrachloroethane
Concen: 34.495 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

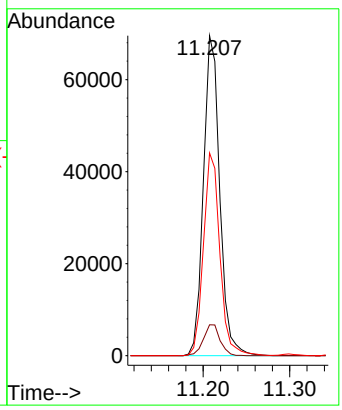
Tgt Ion: 83 Resp: 9097

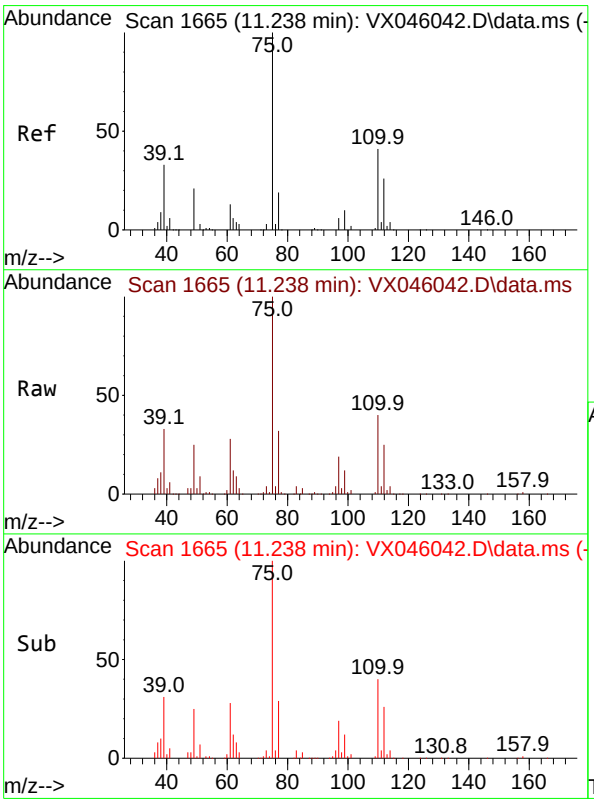
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.0 | 14.9 |
| 85 | 63.8 | 31.9 | 95.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

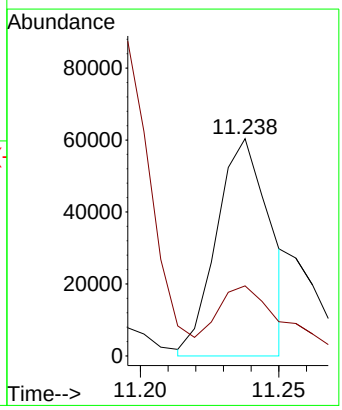


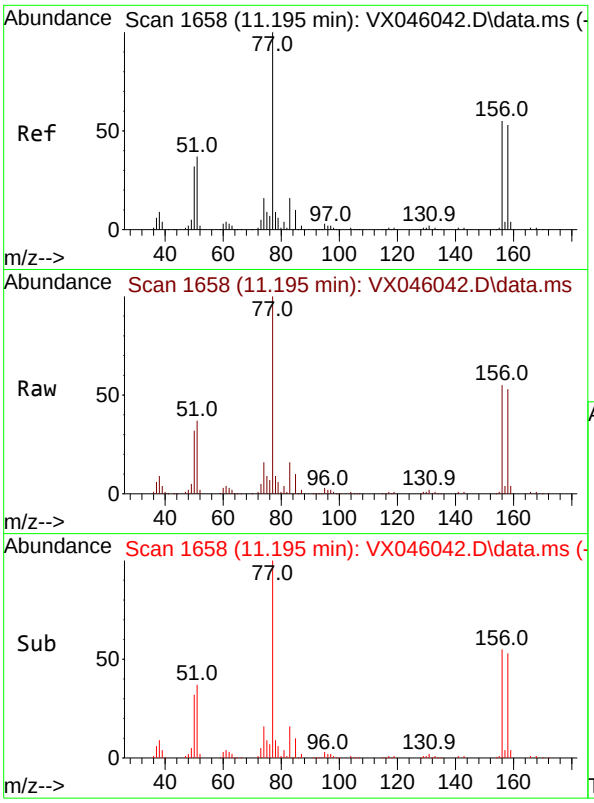




#76
1,2,3-Trichloropropane
Concen: 28.468 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 80678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.0 | 20.5 | 61.5 |






#77
Bromobenzene
Concen: 36.763 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

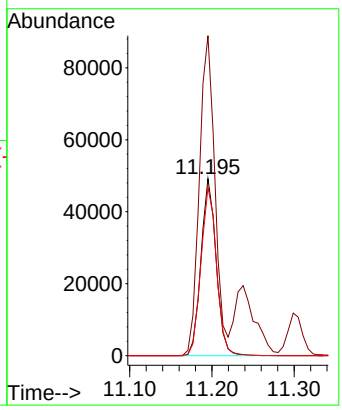
Tgt Ion:156 Resp: 6305

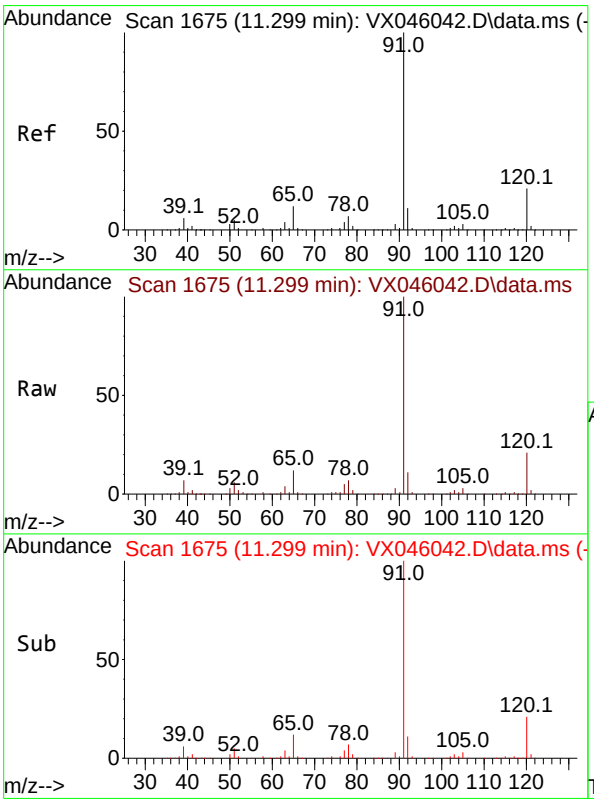
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.5 | 92.8 | 278.3 |
| 158 | 97.5 | 48.8 | 146.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

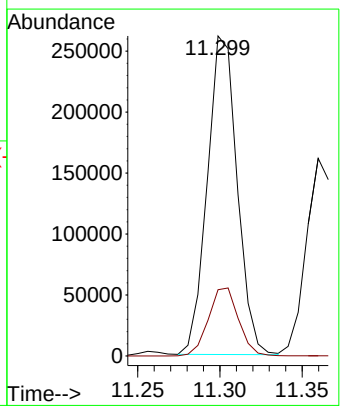


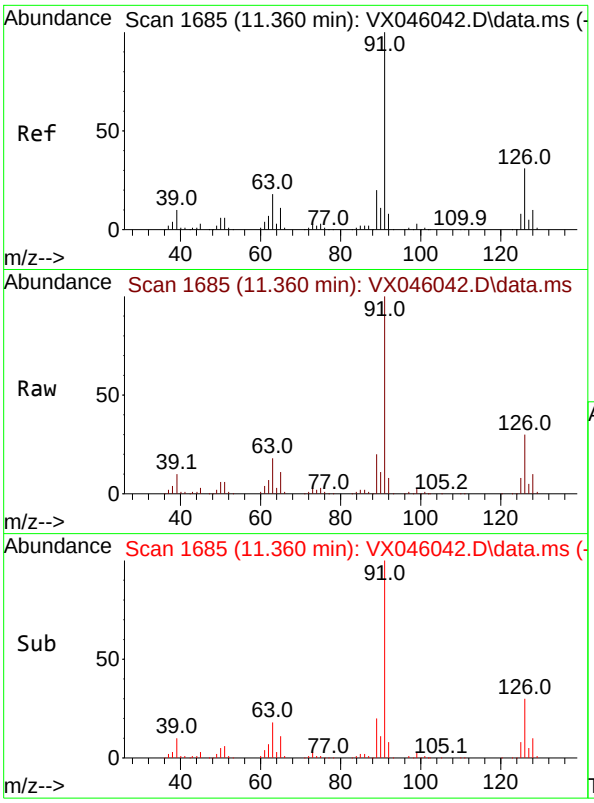




#78
n-propylbenzene
Concen: 39.707 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 329981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.6 | 10.8 | 32.4 |






#79
2-Chlorotoluene
Concen: 36.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

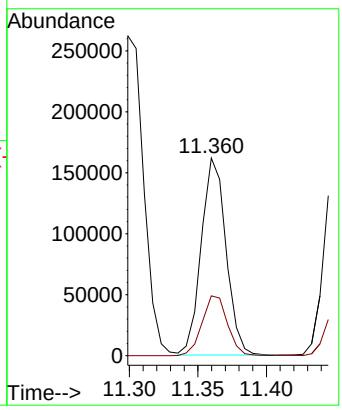
Tgt Ion: 91 Resp: 20350

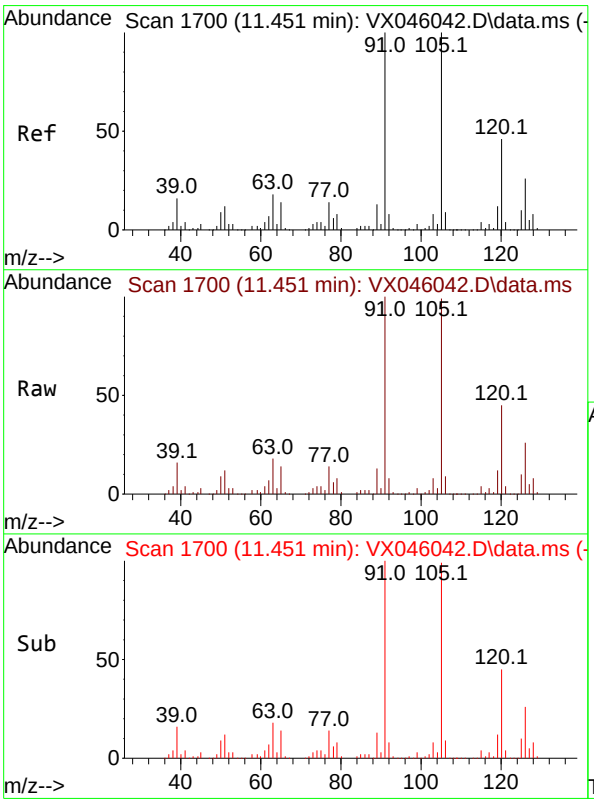
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.1 | 15.6 | 46.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

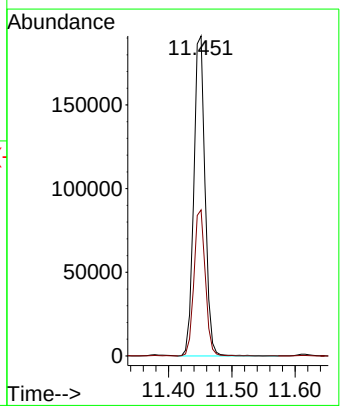


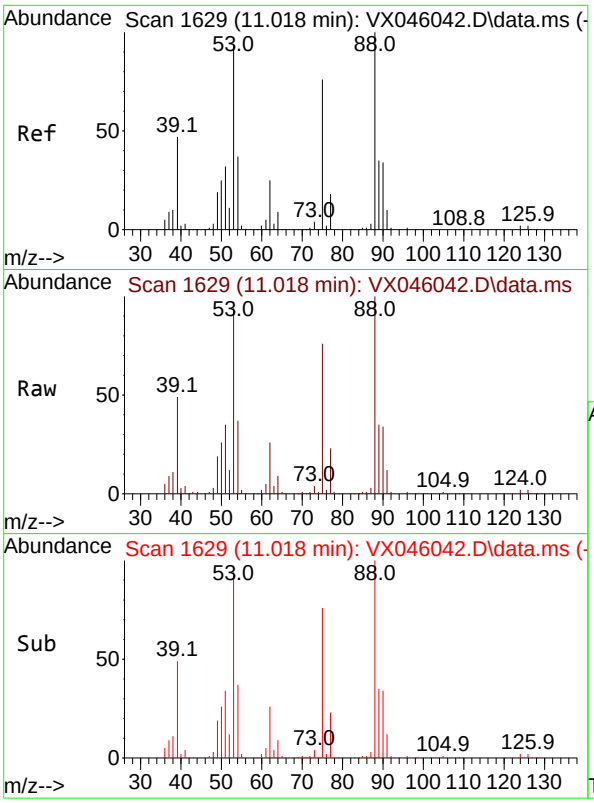




#80
1,3,5-Trimethylbenzene
Concen: 38.516 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 237066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.1 | 23.1 | 69.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 38.445 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

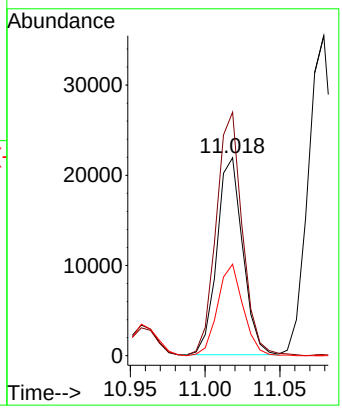
Tgt Ion: 75 Resp: 2617

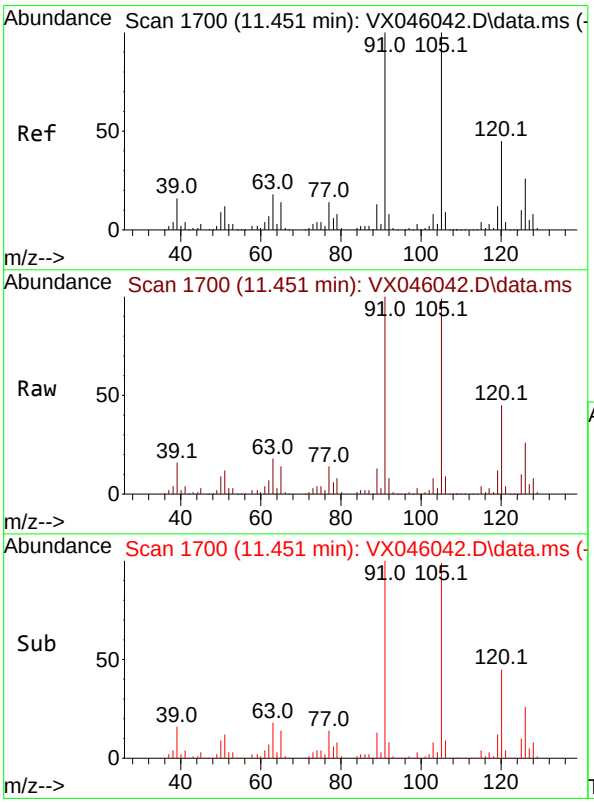
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 125.6 | 100.5 | 150.7 |
| 89 | 46.3 | 37.0 | 55.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

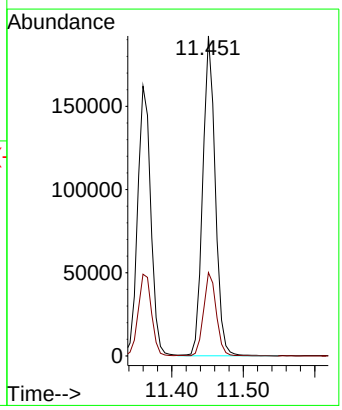


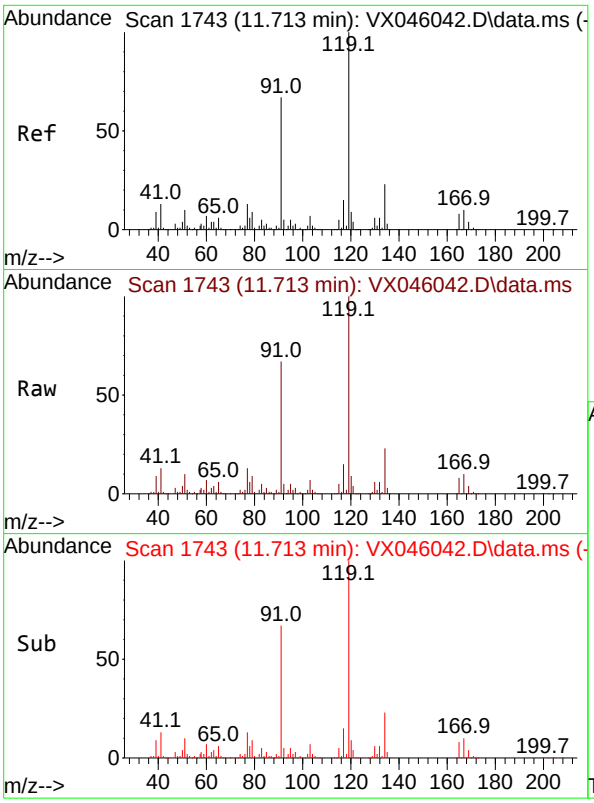




#82
4-Chlorotoluene
Concen: 37.880 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 233172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.5 | 13.3 | 39.8 |

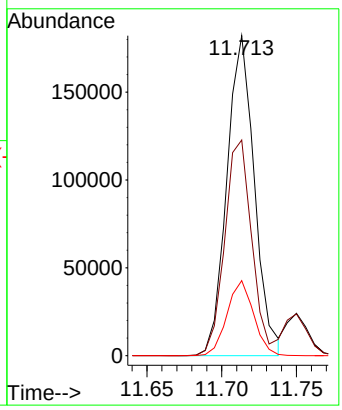





#83
tert-Butylbenzene
Concen: 38.622 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:119 Resp: 23346

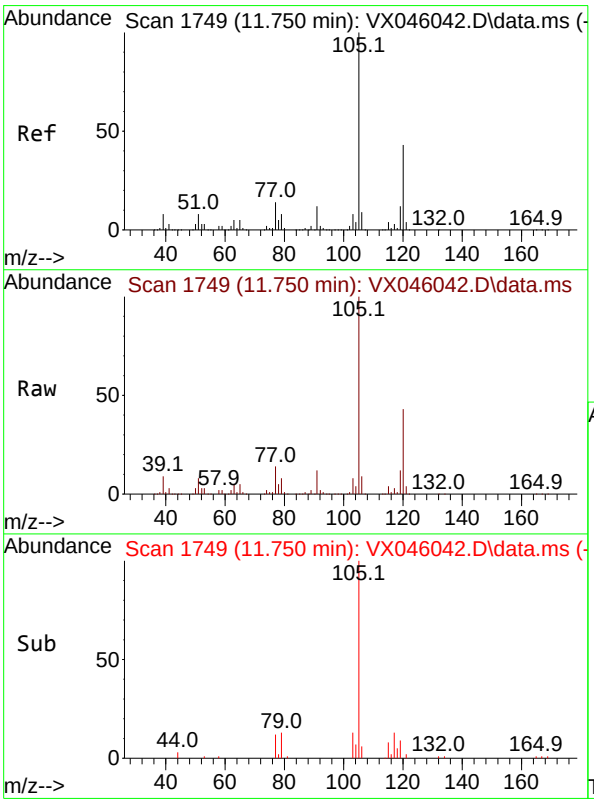
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.8 | 32.9 | 98.7 |
| 134 | 22.7 | 11.4 | 34.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

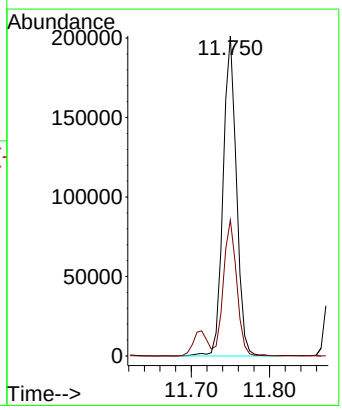
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

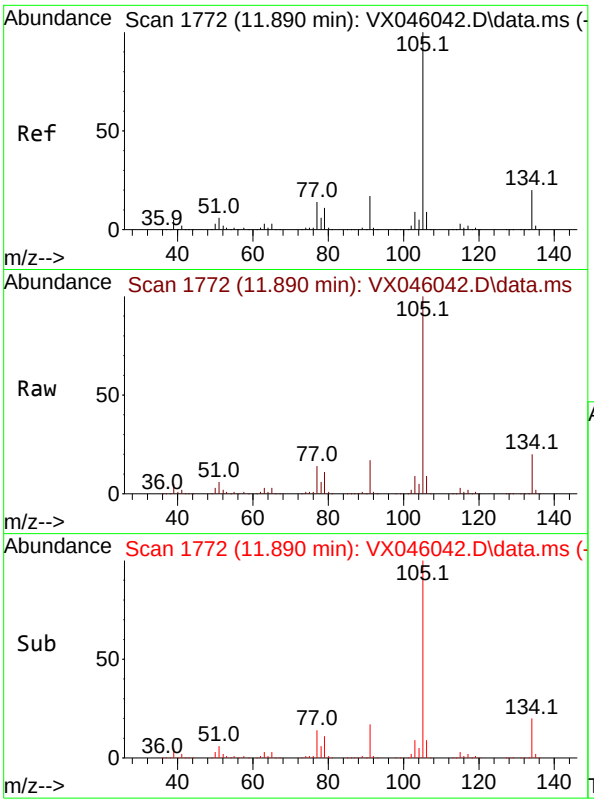



#84
1,2,4-Trimethylbenzene
Concen: 38.946 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 239433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.4 | 21.2 | 63.6 |






#85
sec-Butylbenzene
Concen: 38.786 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

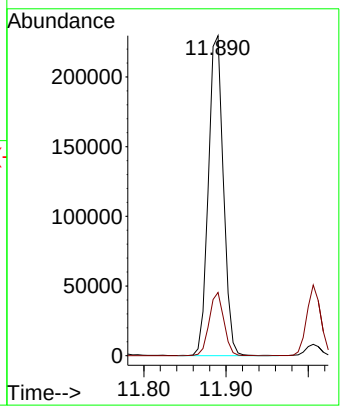
Tgt Ion:105 Resp: 29107

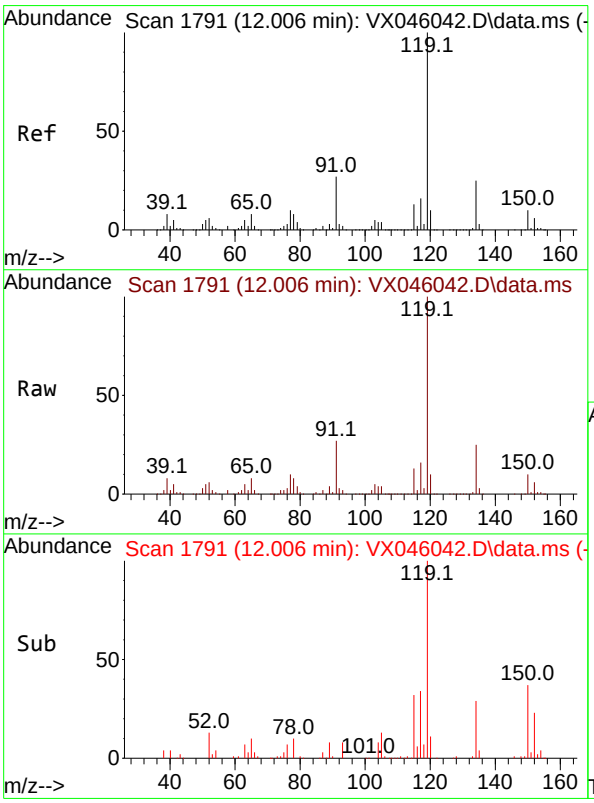
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.7 | 29.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

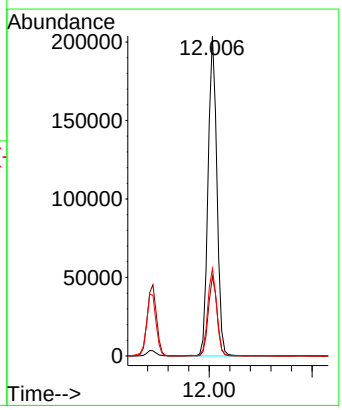


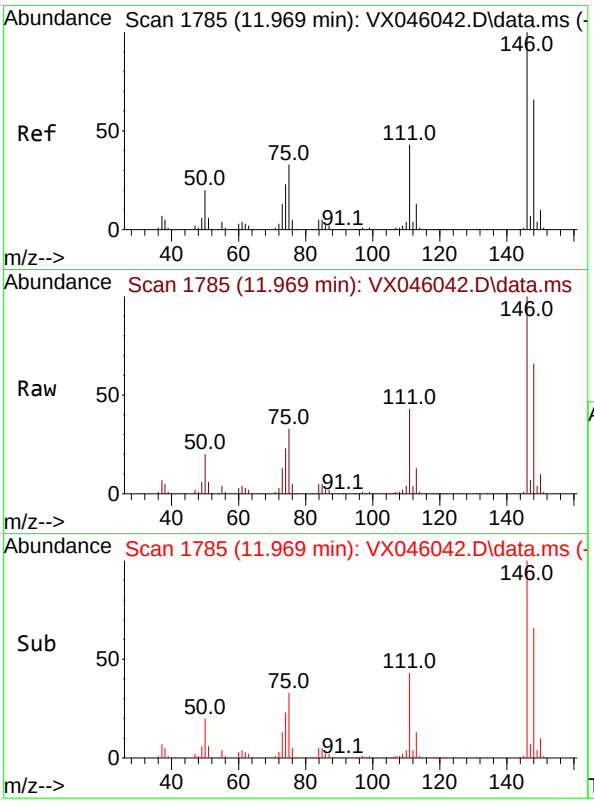




#86
p-Isopropyltoluene
Concen: 39.879 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:119 Resp: 241658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.0 | 12.5 | 37.5 |
| 91 | 27.6 | 13.8 | 41.4 |






#87
1,3-Dichlorobenzene
Concen: 36.199 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

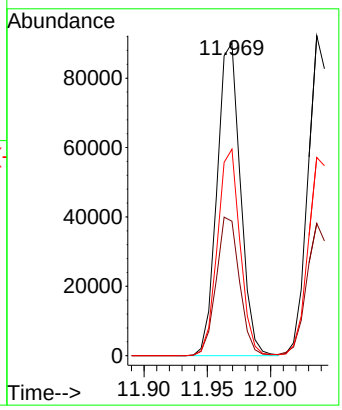
Tgt Ion:146 Resp: 11565

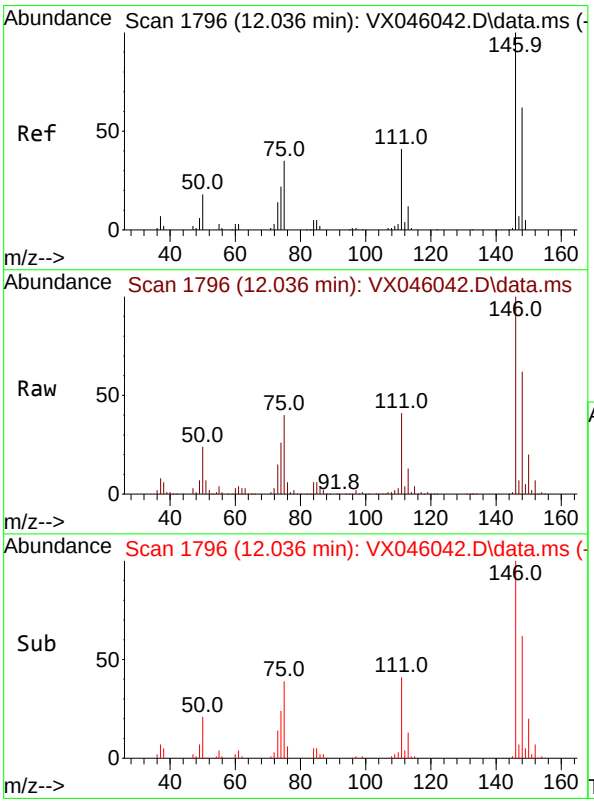
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.2 | 22.1 | 66.3 |
| 148 | 64.3 | 32.1 | 96.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

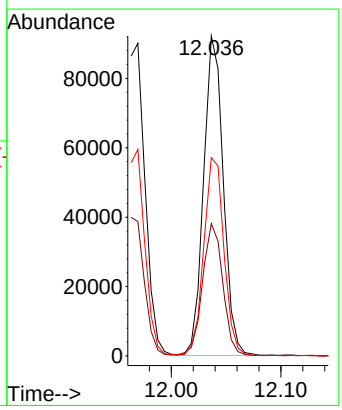


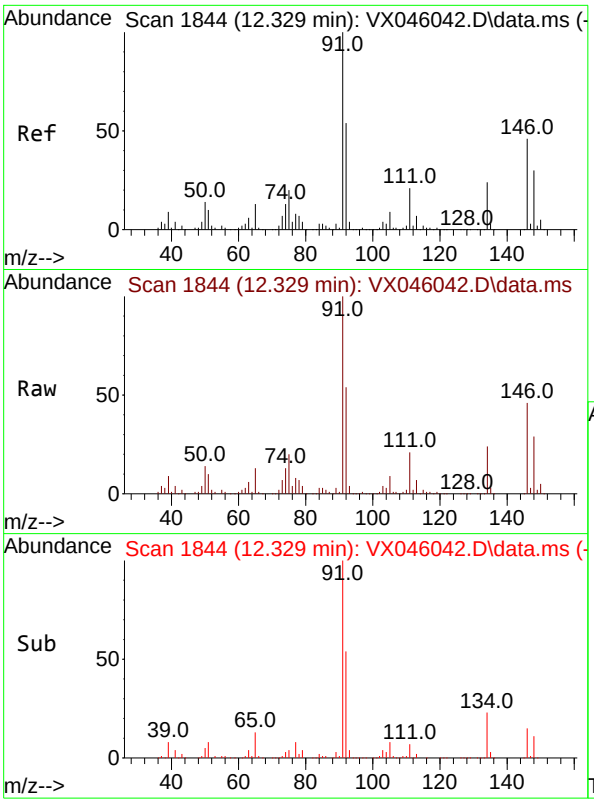




#88
1,4-Dichlorobenzene
Concen: 36.763 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:146 Resp: 115097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.3 | 63.9 |
| 148 | 63.7 | 31.9 | 95.5 |

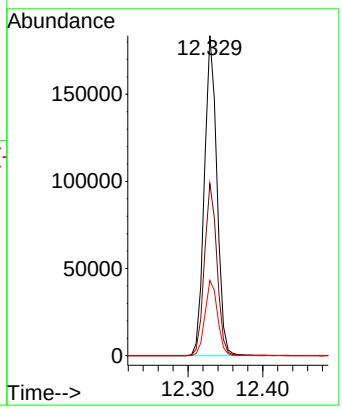





#89
n-Butylbenzene
Concen: 40.603 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 213899

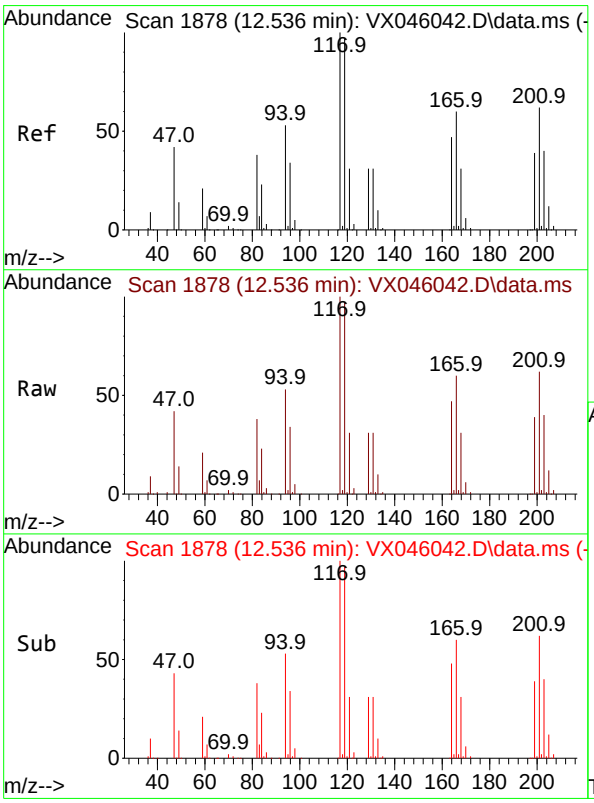
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.8 | 26.9 | 80.7 |
| 134 | 23.5 | 11.8 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

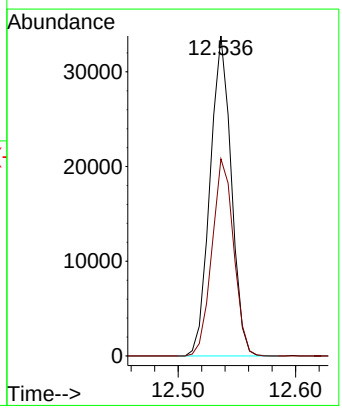
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

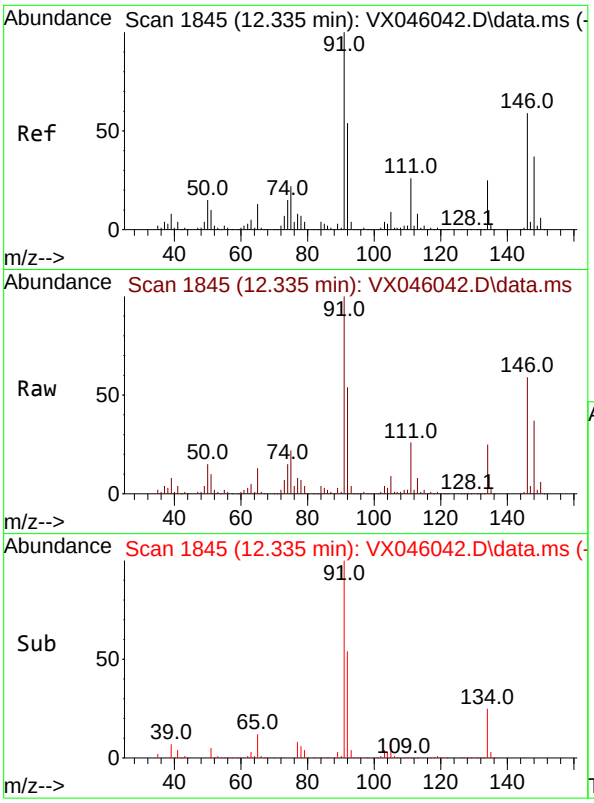



#90
Hexachloroethane
Concen: 37.534 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 42314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.1 | 31.6 | 94.7 |

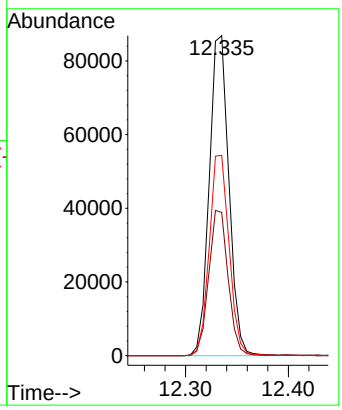





#91
1,2-Dichlorobenzene
Concen: 37.047 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:146 Resp: 11528

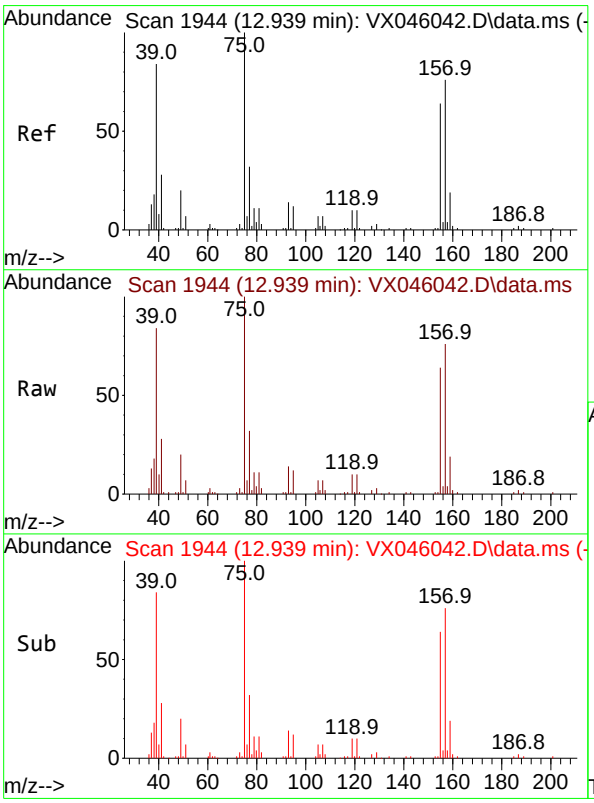
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.9 | 22.4 | 67.3 |
| 148 | 63.2 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

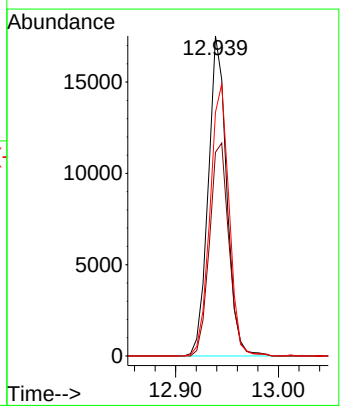
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

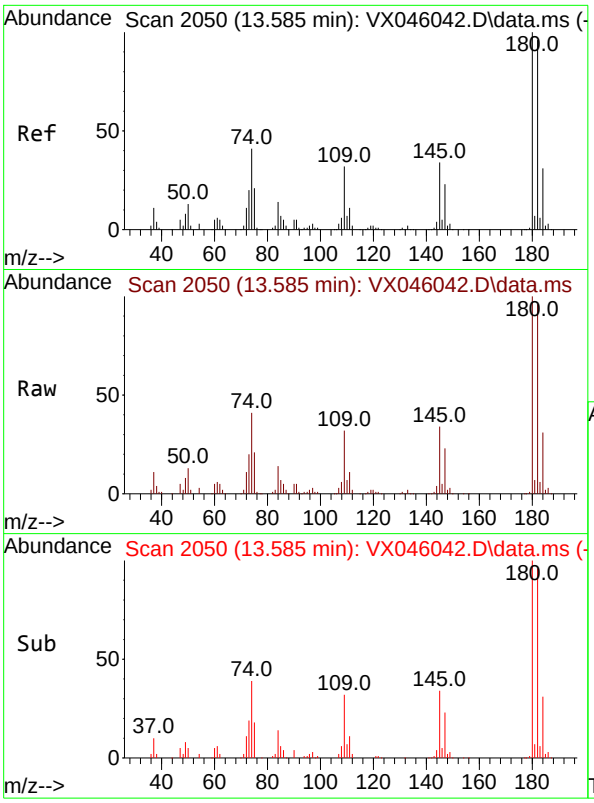



#92
1,2-Dibromo-3-Chloropropane
Concen: 36.496 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 21909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 69.9 | 34.9 | 104.8 |
| 157 | 87.6 | 43.8 | 131.4 |

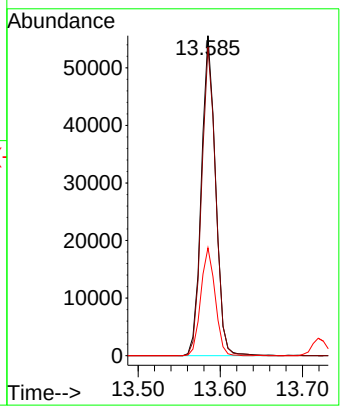





#93
1,2,4-Trichlorobenzene
Concen: 39.117 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:180 Resp: 6665

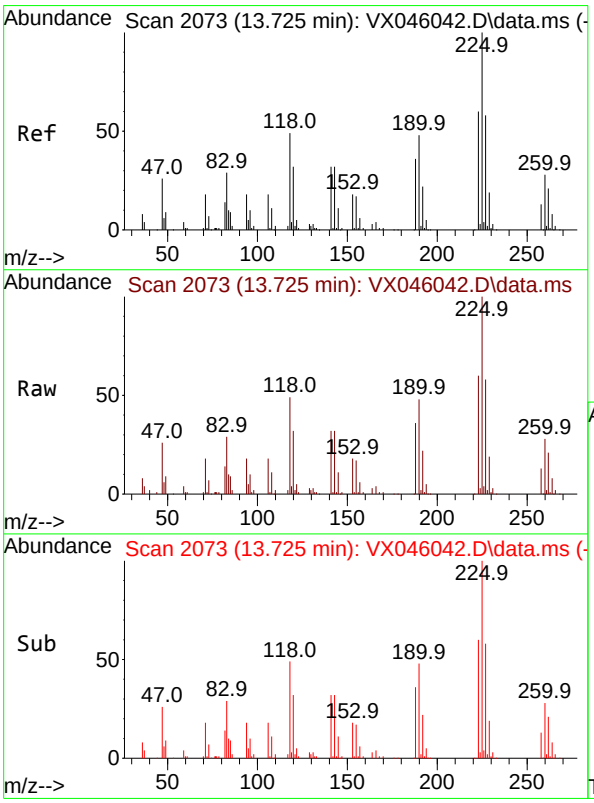
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 47.9 | 143.8 |
| 145 | 34.1 | 17.1 | 51.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

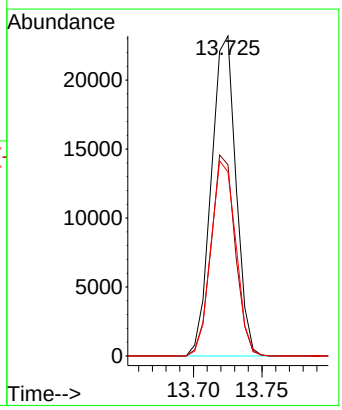
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

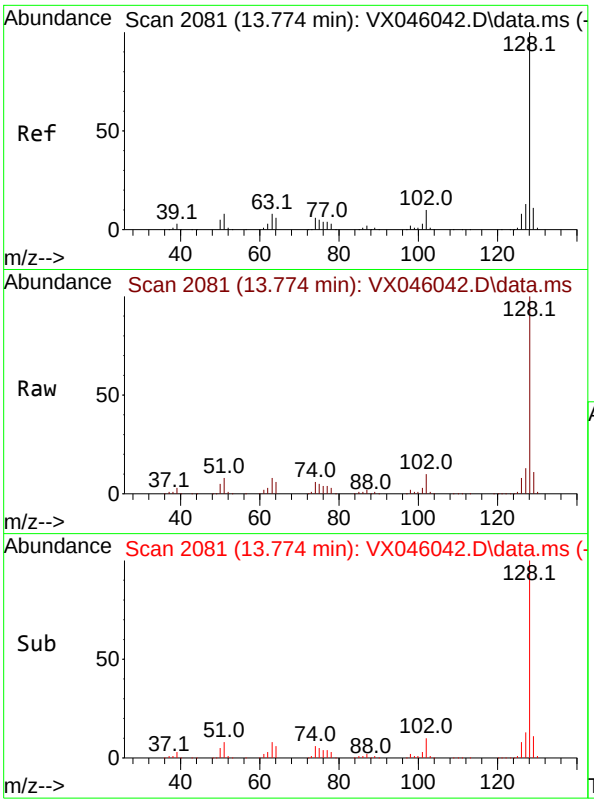



#94
Hexachlorobutadiene
Concen: 36.395 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:225 Resp: 29007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.6 | 30.8 | 92.4 |
| 227 | 61.8 | 30.9 | 92.7 |

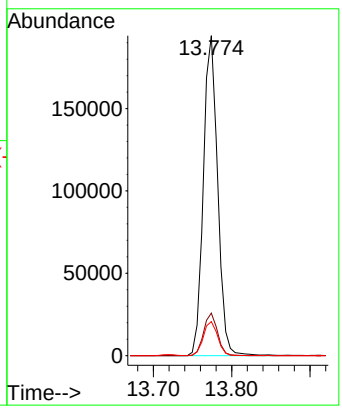





#95
Naphthalene
Concen: 39.575 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:128 Resp: 24556

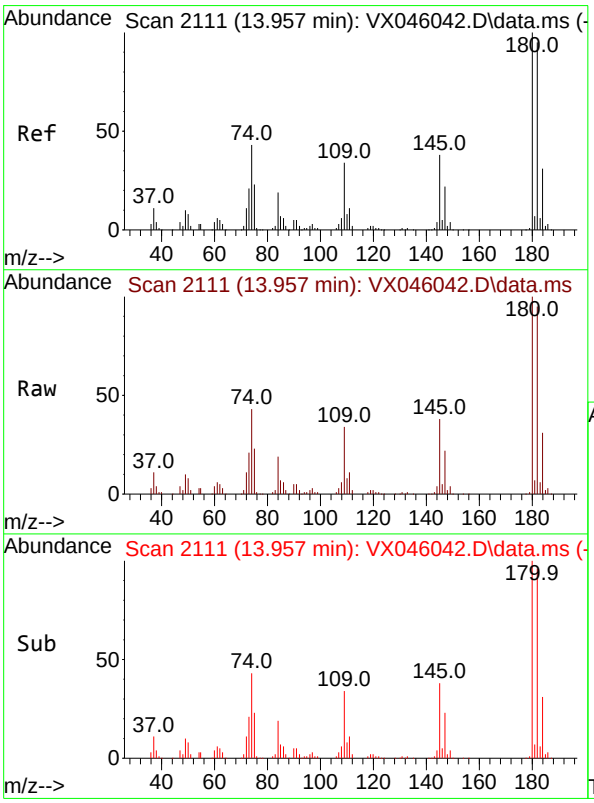
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.4 | 15.6 |
| 129 | 10.8 | 8.6 | 13.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

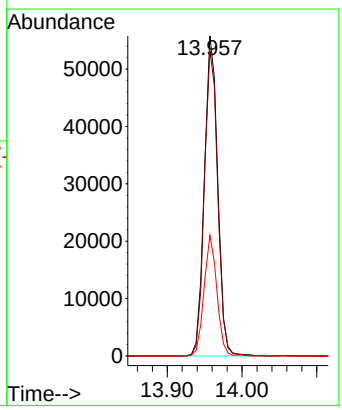
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025




#96
1,2,3-Trichlorobenzene
Concen: 38.765 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:180 Resp: 69262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 47.8 | 143.3 |
| 145 | 36.2 | 18.1 | 54.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 87028 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 152958 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 135214 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 66369 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 161877 | 62.526 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 125.060%# | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 111455 | 65.006 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 130.020%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 387230 | 67.031 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 134.060%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 153085 | 72.818 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 145.640%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 149508 | 77.828 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 136937 | 72.392 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 126609 | 76.398 | ug/l | 98 |
| 5) Bromomethane | 1.593 | 94 | 59246 | 70.507 | ug/l | 99 |
| 6) Chloroethane | 1.660 | 64 | 57332 | 67.148 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 171042 | 67.754 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 58762 | 70.807 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 109520 | 72.604 | ug/l | 99 |
| 10) Methyl Iodide | 2.440 | 142 | 138045 | 77.943 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.995 | 59 | 125094 | 405.394 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 105566 | 71.884 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 134456 | 375.132 | ug/l | 99 |
| 14) Allyl chloride | 2.660 | 41 | 206519 | 74.419 | ug/l | 98 |
| 15) Acrylonitrile | 3.068 | 53 | 331142 | 358.723 | ug/l | 97 |
| 16) Acetone | 2.386 | 43 | 314383 | 354.936 | ug/l | 98 |
| 17) Carbon Disulfide | 2.501 | 76 | 264956 | 77.867 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 147014 | 69.531 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 378113 | 73.818 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 120270 | 67.030 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 106606 | 71.109 | ug/l | 99 |
| 22) Diisopropyl ether | 3.763 | 45 | 399494 | 77.048 | ug/l | 90 |
| 23) Vinyl Acetate | 3.721 | 43 | 1811550 | 395.363 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 219759 | 72.114 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 485448 | 379.704 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.464 | 77 | 174579 | 75.621 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 128454 | 71.056 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 103602 | 63.932 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.001 | 42 | 305757 | 368.234 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 222253 | 70.180 | ug/l | 95 |
| 31) Cyclohexane | 5.458 | 56 | 196302 | 76.428 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 201112 | 73.635 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 147873 | 74.285 | ug/l | 99 |
| 37) Ethyl Acetate | 4.714 | 43 | 186215 | 74.565 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 168946 | 73.875 | ug/l | 99 |
| 39) Methylcyclohexane | 7.372 | 83 | 191941 | 76.952 | ug/l | 96 |
| 40) Benzene | 6.031 | 78 | 440885 | 71.457 | ug/l | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 104863 | 75.574 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 187036 | 73.318 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 300491 | 78.714 | ug/l | | 100 |
| 44) Trichloroethene | 7.123 | 130 | 105628 | 72.420 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 112554 | 73.420 | ug/l | | 100 |
| 46) Dibromomethane | 7.574 | 93 | 85728 | 70.938 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.818 | 83 | 175301 | 74.845 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.689 | 41 | 153093 | 78.101 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 57313 | 1470.687 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 963319 | 384.740 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 270763 | 74.010 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 169863 | 86.372 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 184134 | 80.264 | ug/l | | 95 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 107264 | 72.543 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 188717 | 82.359 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 187649 | 71.590 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 463169 | 449.791 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 729602 | 383.945 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 127012 | 78.918 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 112669 | 74.200 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.268 | 164 | 93195 | 67.493 | ug/l | | 96 |
| 65) Chlorobenzene | 10.079 | 112 | 293284 | 70.490 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 103177 | 74.349 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 535122 | 75.444 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 389935 | 152.181 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 190833 | 73.890 | ug/l | | 97 |
| 70) Styrene | 10.652 | 104 | 328195 | 79.411 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 84353 | 80.927 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 514528 | 71.083 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 274553 | 76.073 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 170481 | 66.207 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 150182m | 54.277 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 117151 | 69.959 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 608332 | 74.974 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 372392 | 68.100 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 432096 | 71.903 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 54398 | 81.820 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 432053 | 71.890 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 432011 | 73.197 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 442728 | 73.758 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 543597 | 74.188 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 457898 | 77.393 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 219753 | 70.449 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 217613 | 71.190 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 416602 | 80.996 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 82528 | 74.978 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 216834 | 71.367 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 43673 | 74.512 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 137430 | 82.605 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 55494 | 71.314 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 489778 | 80.842 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 139525 | 79.981 | ug/l | | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

ICAL Form

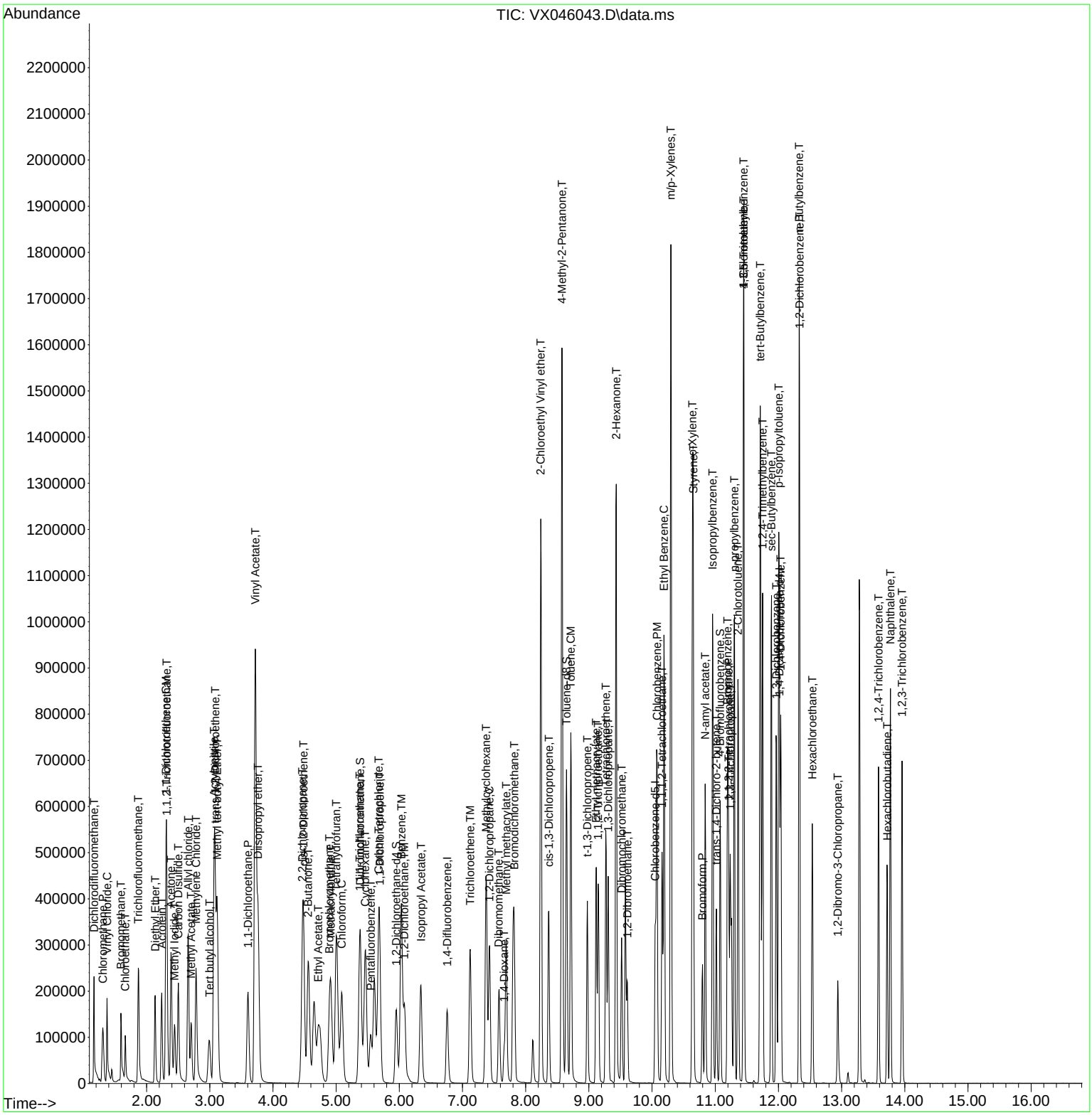
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Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

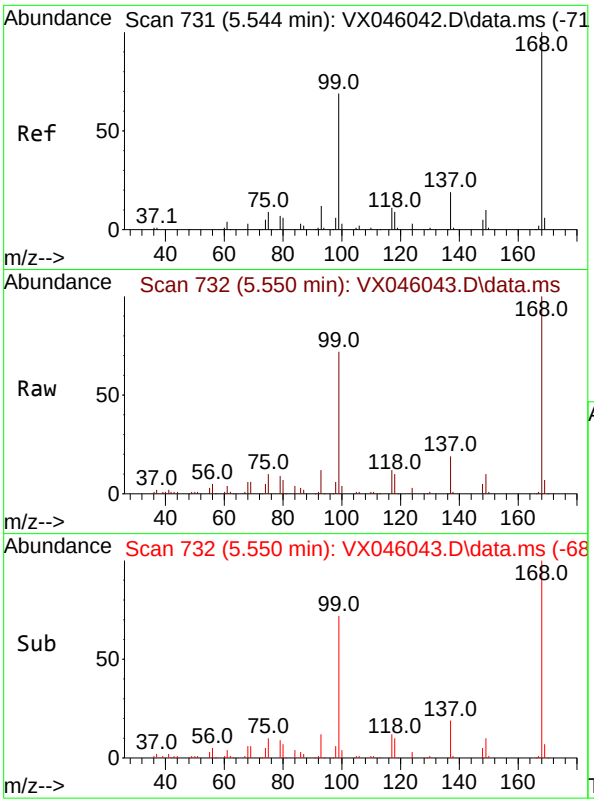
Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

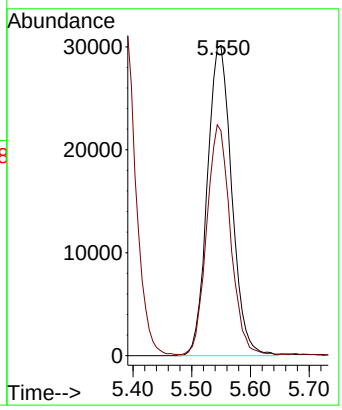





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:168 Resp: 8702

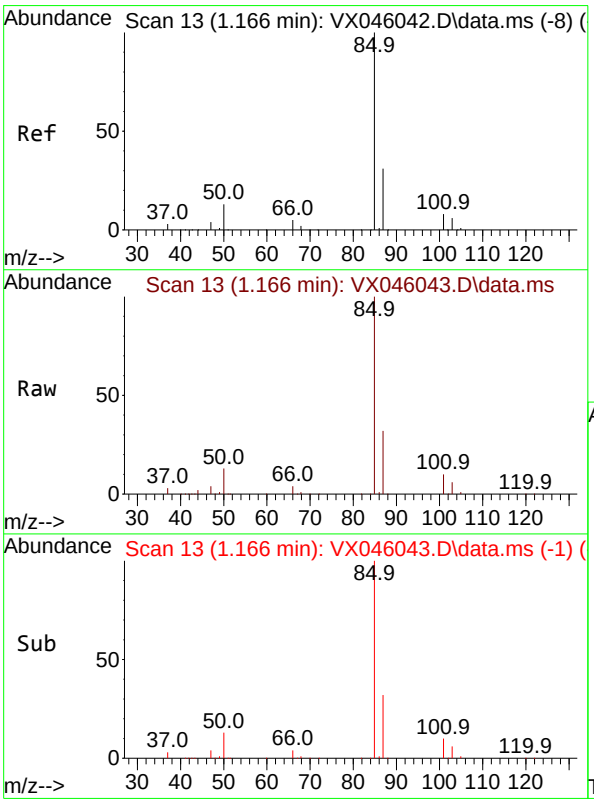
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 72.1 | 54.9 | 82.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

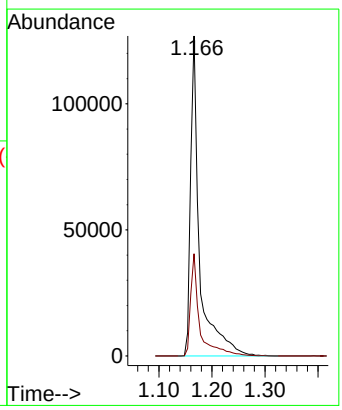
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

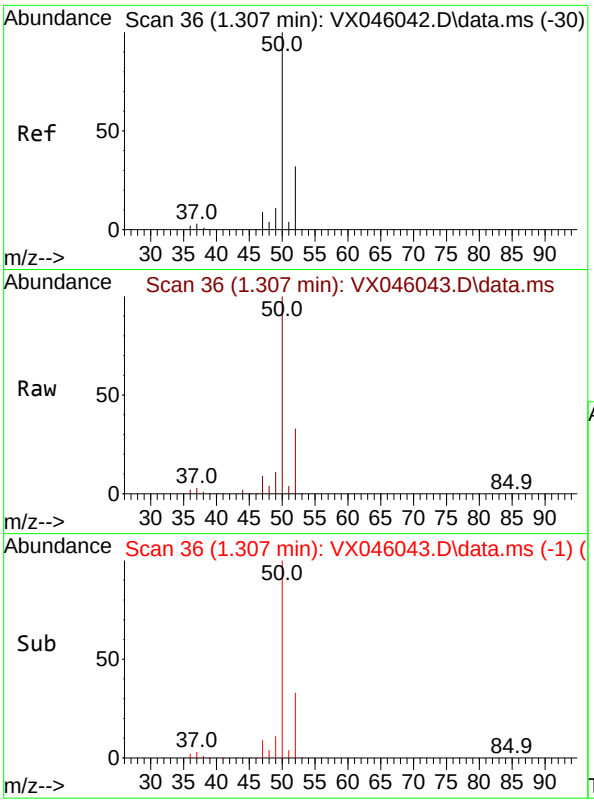



#2
Dichlorodifluoromethane
Concen: 77.828 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 85 Resp: 149508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.0 | 15.7 | 47.1 |

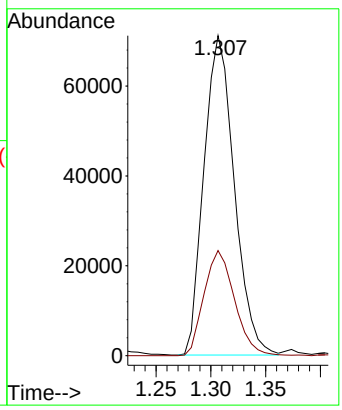





#3
Chloromethane
Concen: 72.392 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 50 Resp: 13693

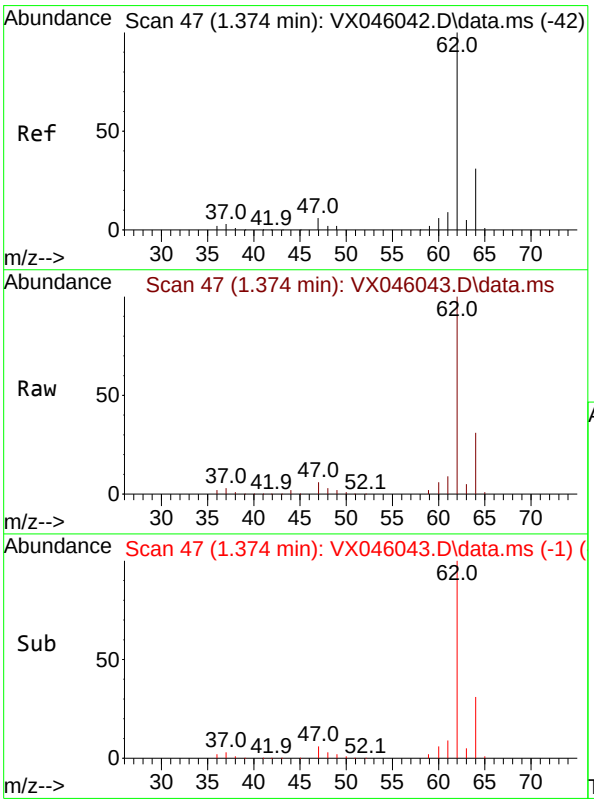
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.9 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

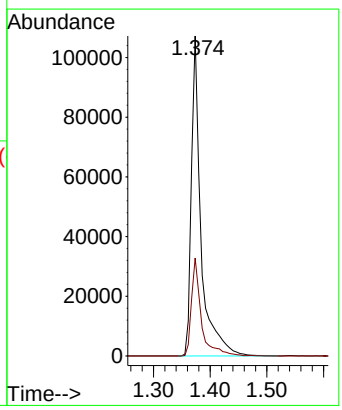
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

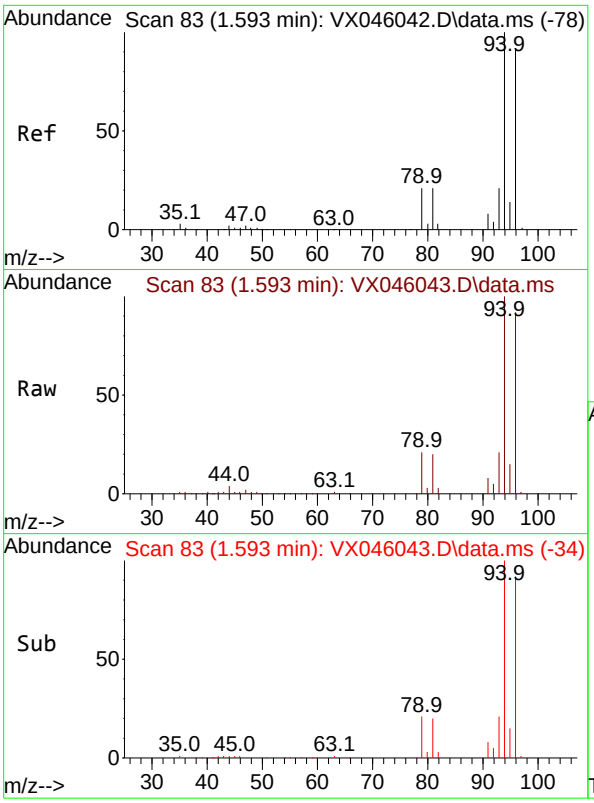



#4
Vinyl Chloride
Concen: 76.398 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 126609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.6 | 25.2 | 37.8 |

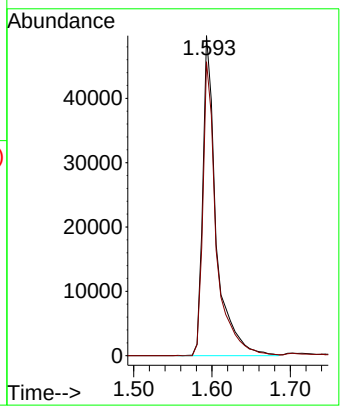





#5
Bromomethane
Concen: 70.507 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 94 Resp: 5924

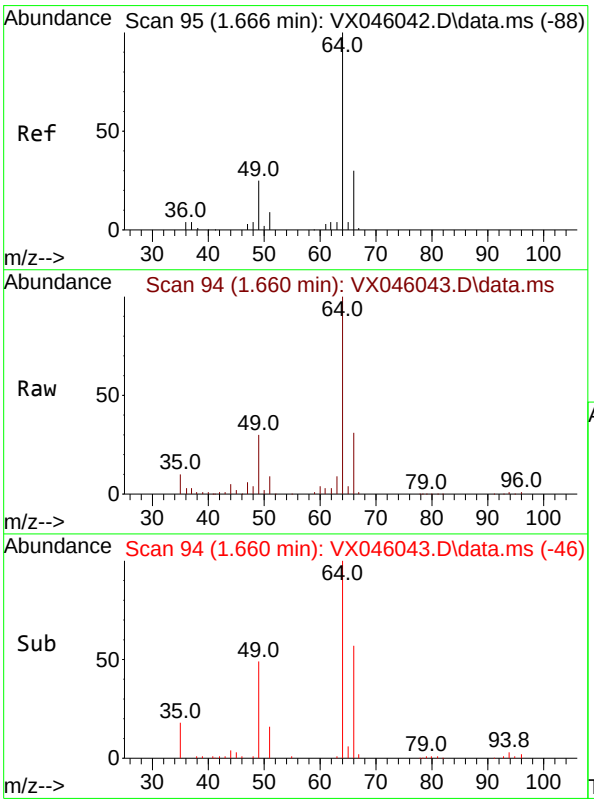
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.7 | 72.8 | 109.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

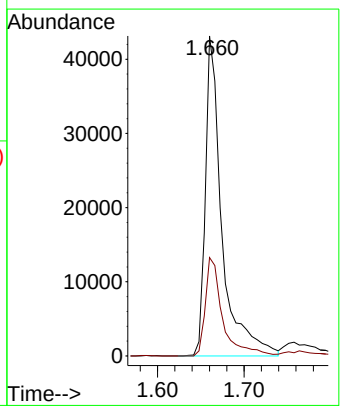
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

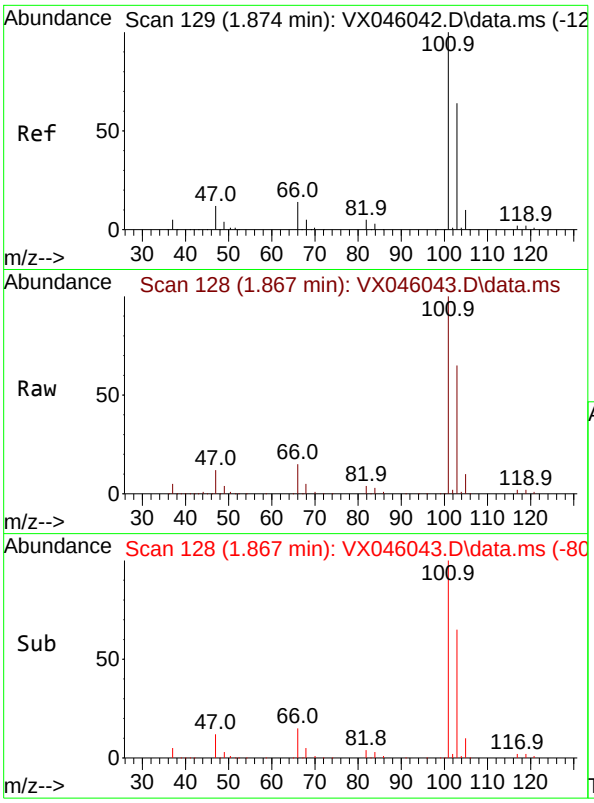



#6
Chloroethane
Concen: 67.148 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 64 Resp: 57332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.8 | 24.3 | 36.5 |






#7
Trichlorofluoromethane
Concen: 67.754 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

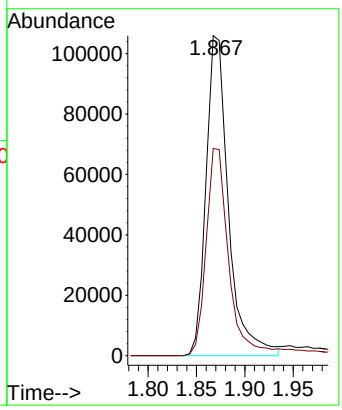
Tgt Ion:101 Resp: 17104

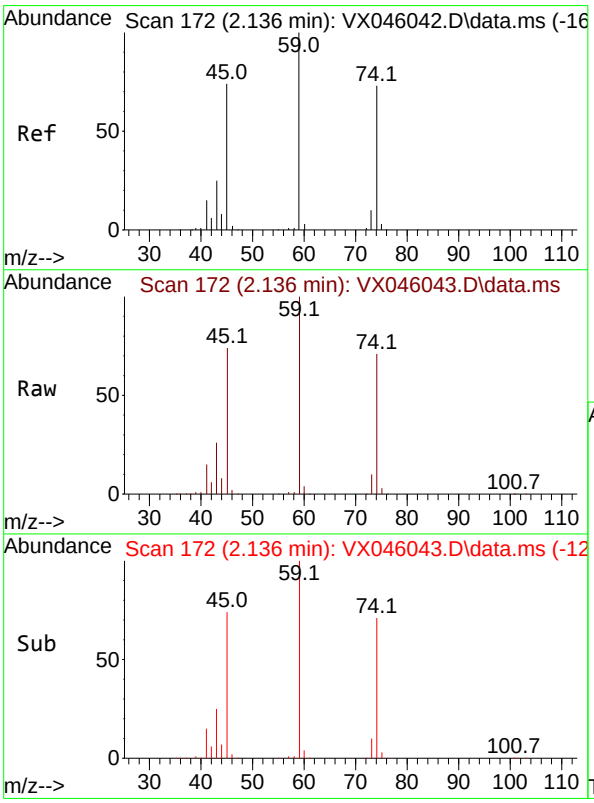
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.8 | 51.0 | 76.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

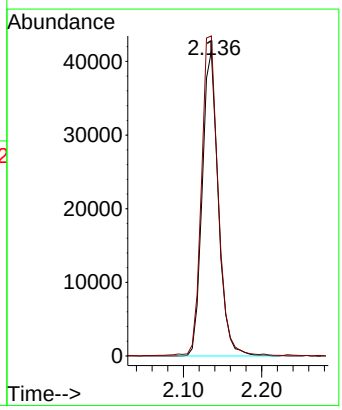


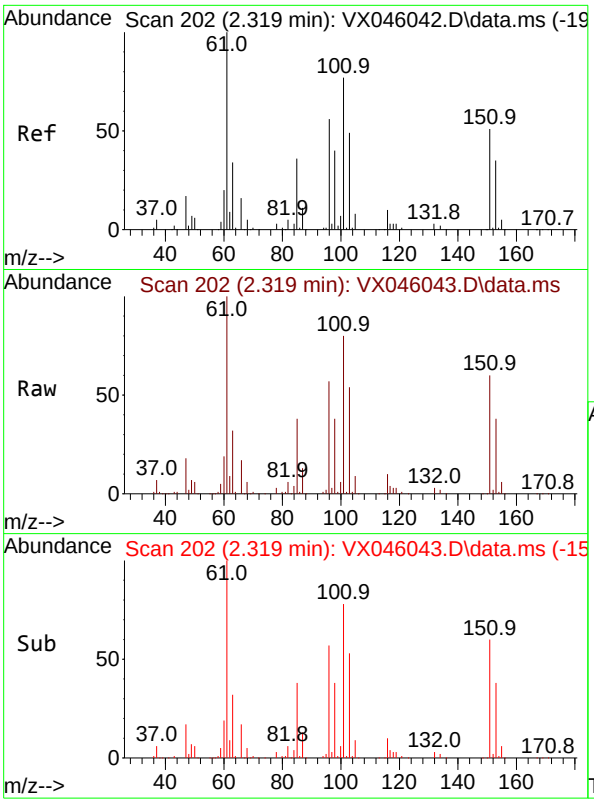




#8
Diethyl Ether
Concen: 70.807 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 74 Resp: 58762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 110.1 | 54.9 | 164.8 |

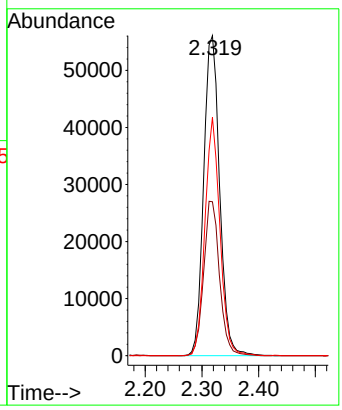





#9
1,1,2-Trichlorotrifluoroethane
Concen: 72.604 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:101 Resp: 10952

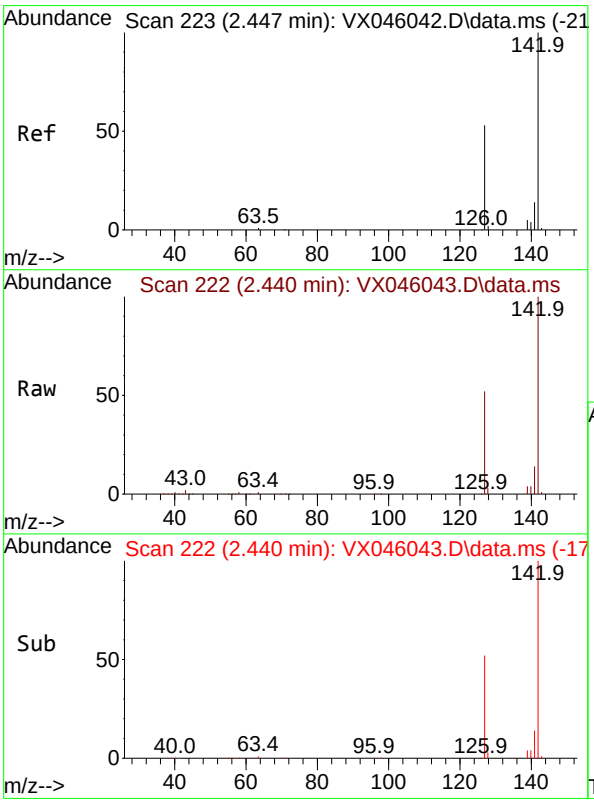
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.1 | 38.6 | 58.0 |
| 151 | 69.9 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

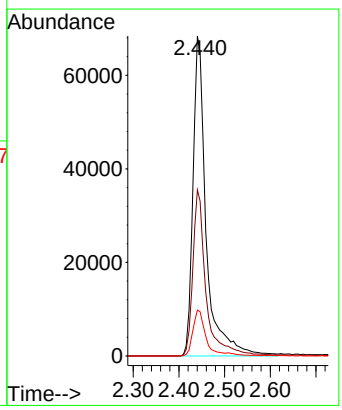
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

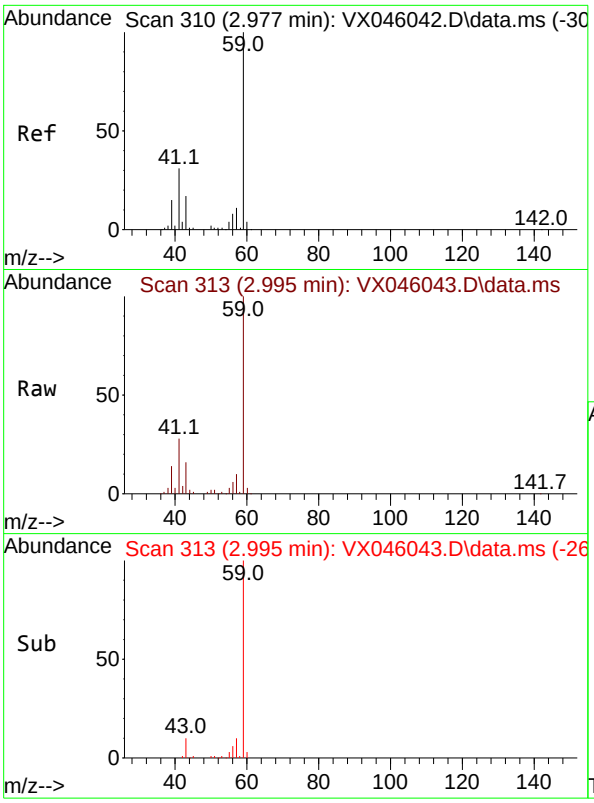



#10
Methyl Iodide
Concen: 77.943 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:142 Resp: 138045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.0 | 41.7 | 62.5 |
| 141 | 14.5 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 405.394 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

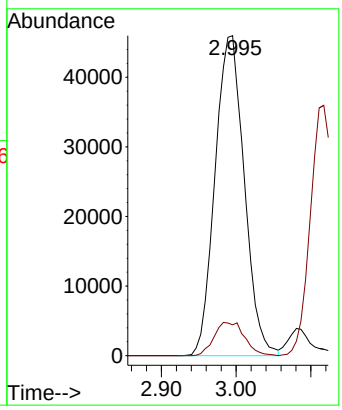
Tgt Ion: 59 Resp: 12509

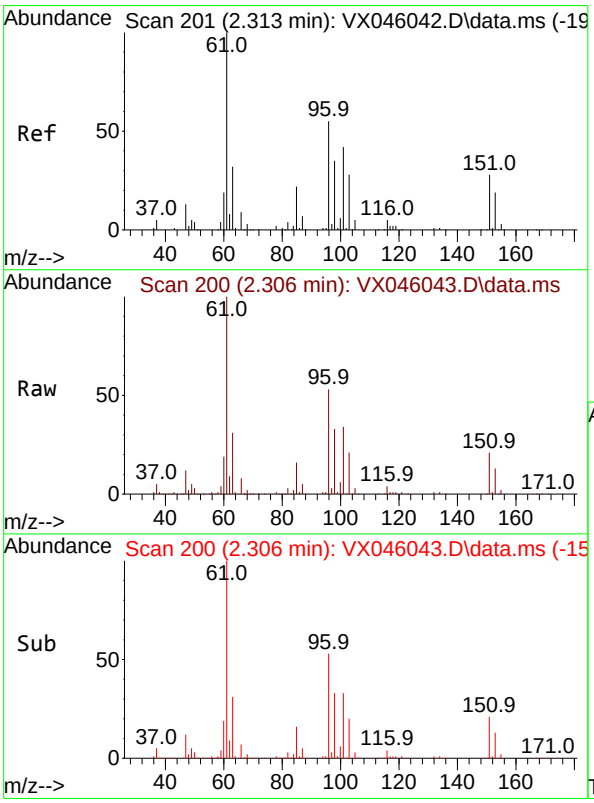
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.9 | 8.6 | 12.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

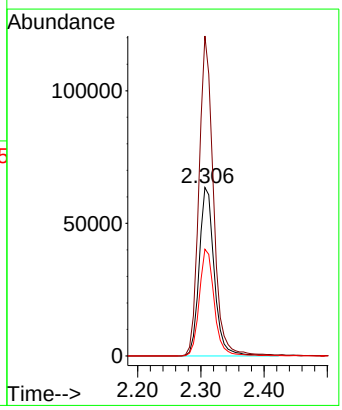


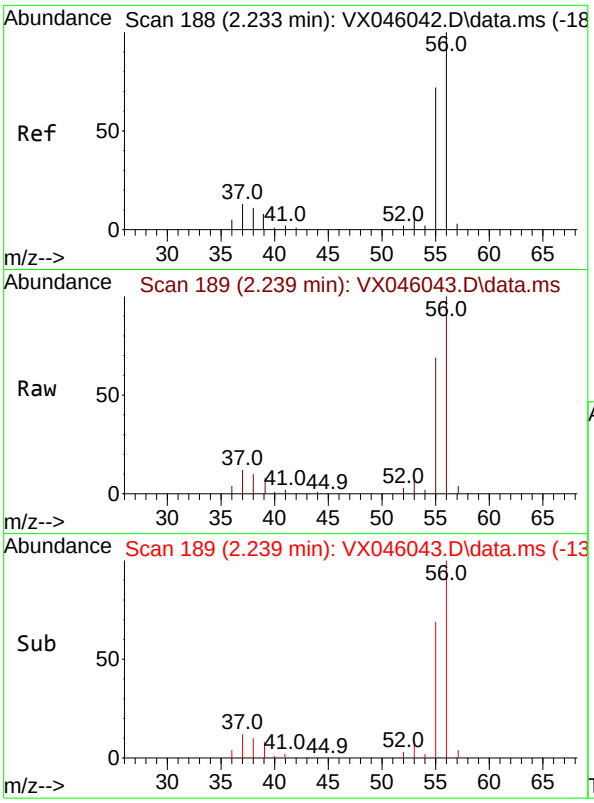




#12
1,1-Dichloroethene
Concen: 71.884 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 96 Resp: 105566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 189.9 | 146.2 | 219.2 |
| 98 | 63.3 | 51.0 | 76.6 |

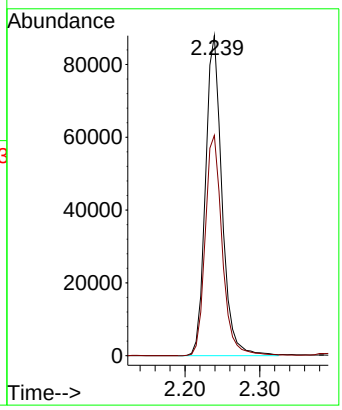





#13
Acrolein
Concen: 375.132 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 56 Resp: 13445

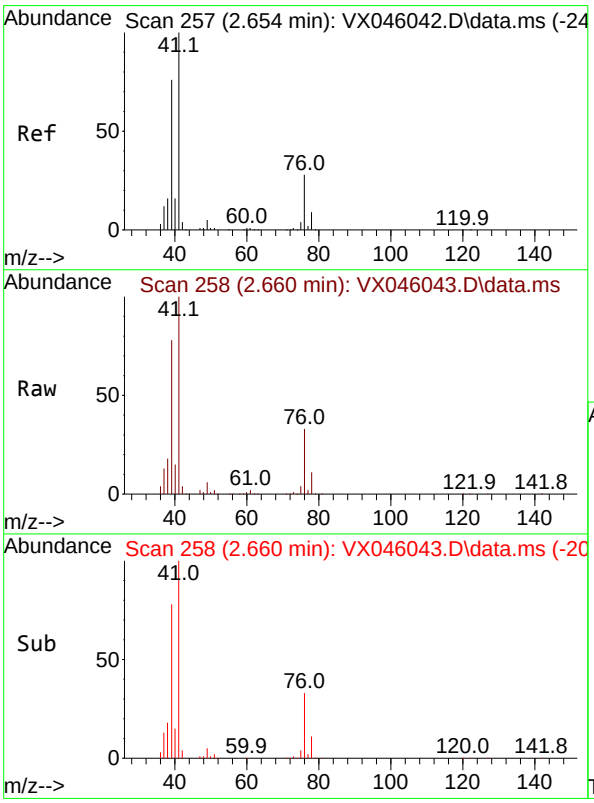
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.3 | 56.2 | 84.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

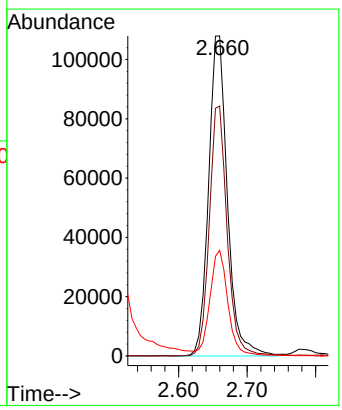
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

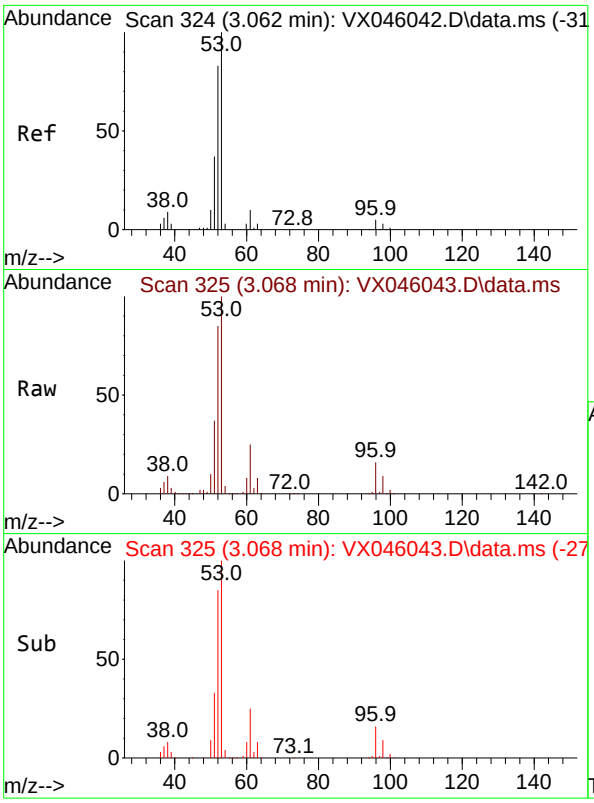



#14
Allyl chloride
Concen: 74.419 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 206519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.8 | 60.6 | 90.8 |
| 76 | 31.4 | 24.9 | 37.3 |

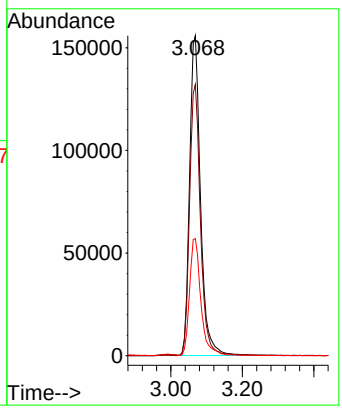





#15
Acrylonitrile
Concen: 358.723 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 53 Resp: 33114

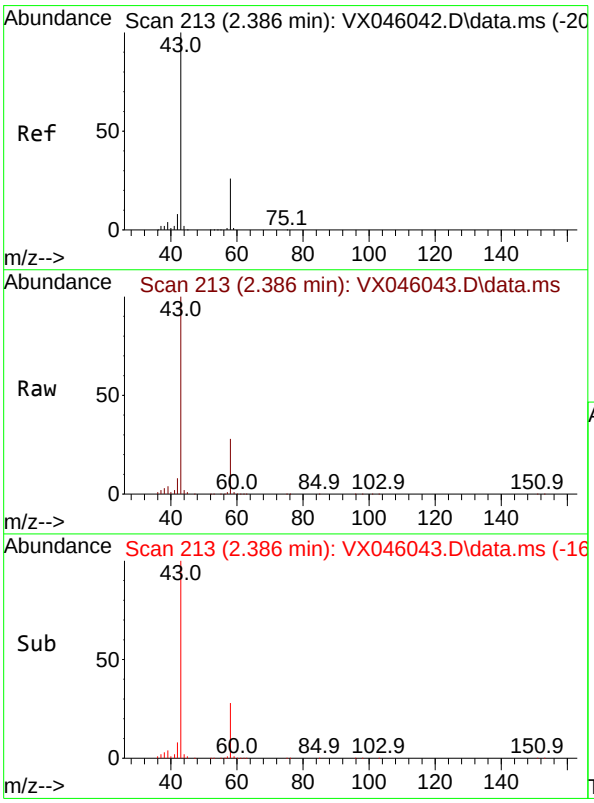
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.7 | 65.3 | 97.9 |
| 51 | 37.9 | 29.8 | 44.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

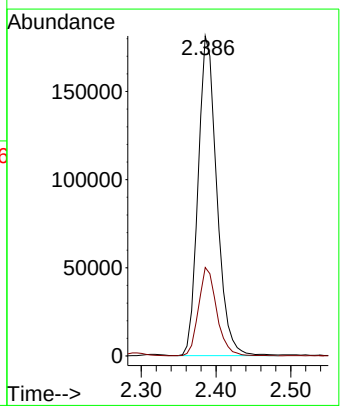
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

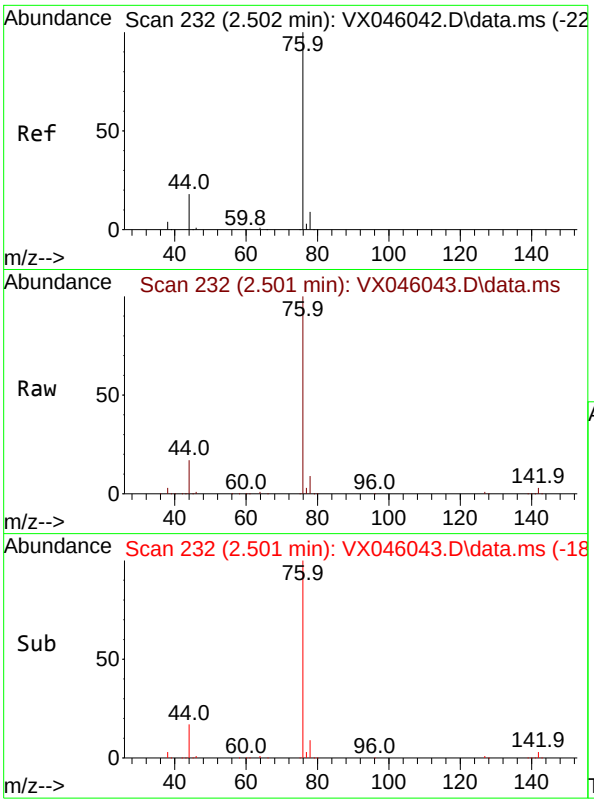



#16
Acetone
Concen: 354.936 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 314383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.6 | 21.2 | 31.8 |

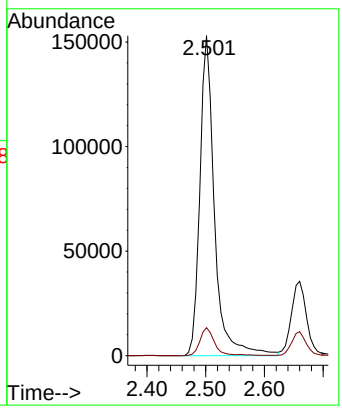





#17
Carbon Disulfide
Concen: 77.867 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 76 Resp: 26495

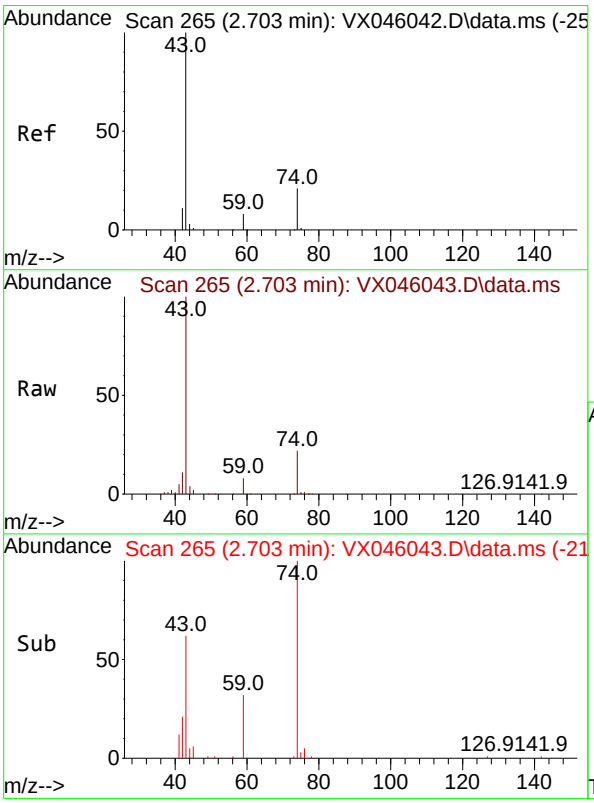
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.0 | 10.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

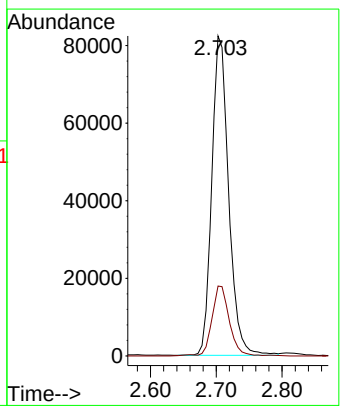
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

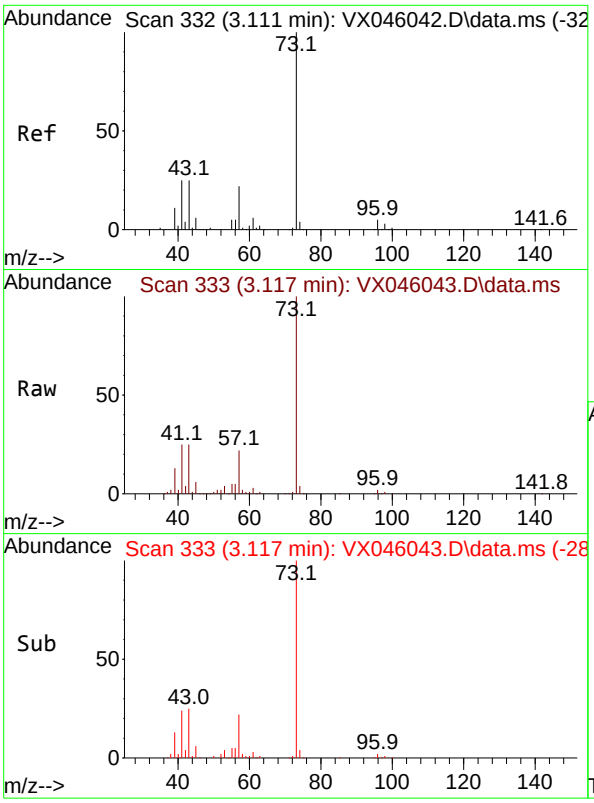



#18
Methyl Acetate
Concen: 69.531 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 147014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.6 | 16.7 | 25.1 |






#19
Methyl tert-butyl Ether
Concen: 73.818 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

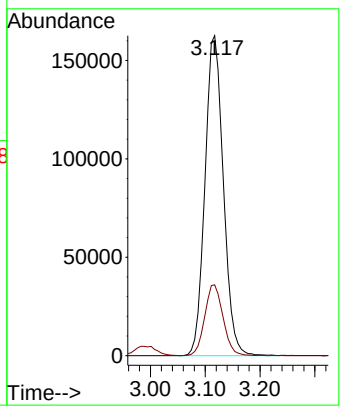
Tgt Ion: 73 Resp: 37811

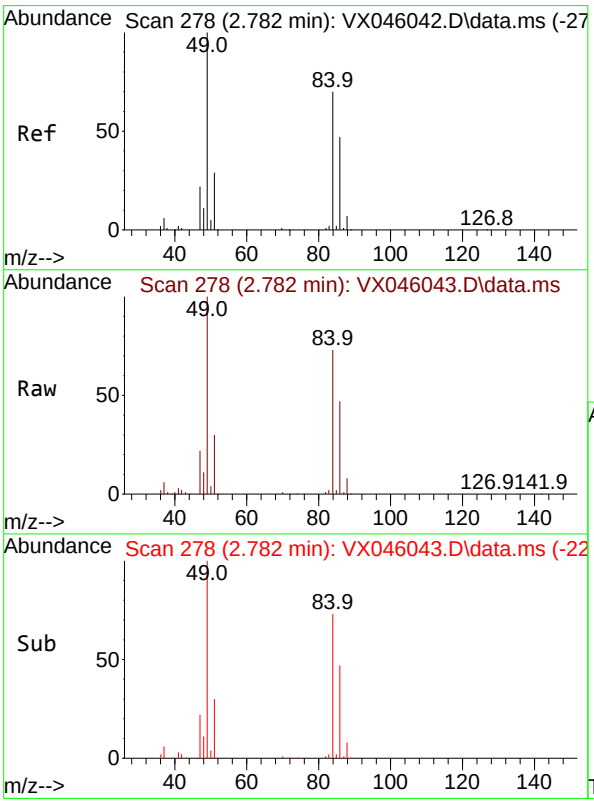
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.1 | 17.7 | 26.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

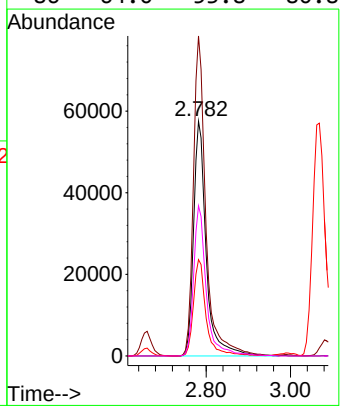


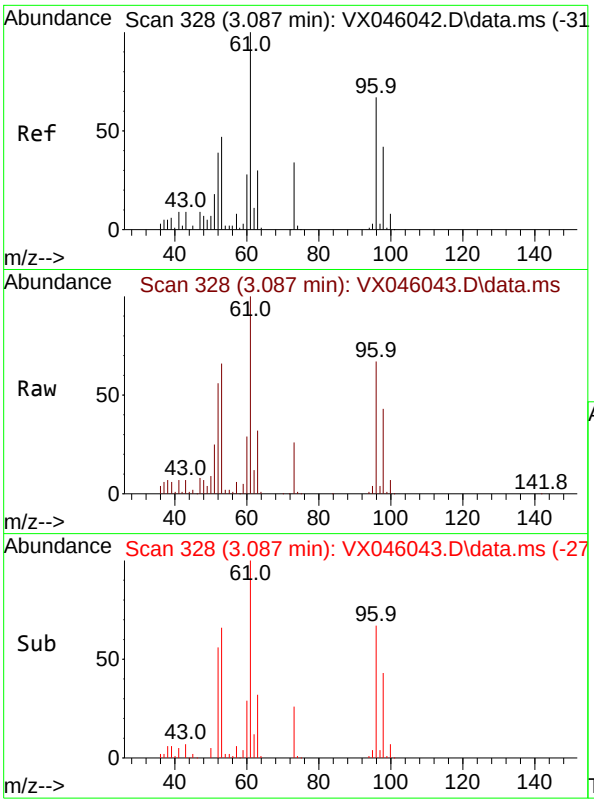




#20
Methylene Chloride
Concen: 67.030 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 84 Resp: 120270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 136.4 | 113.9 | 170.9 |
| 51 | 41.1 | 33.5 | 50.3 |
| 86 | 64.0 | 53.8 | 80.8 |

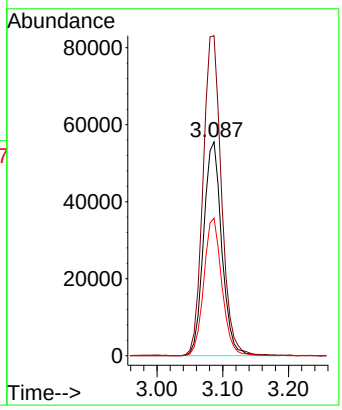





#21
trans-1,2-Dichloroethene
Concen: 71.109 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 96 Resp: 10660

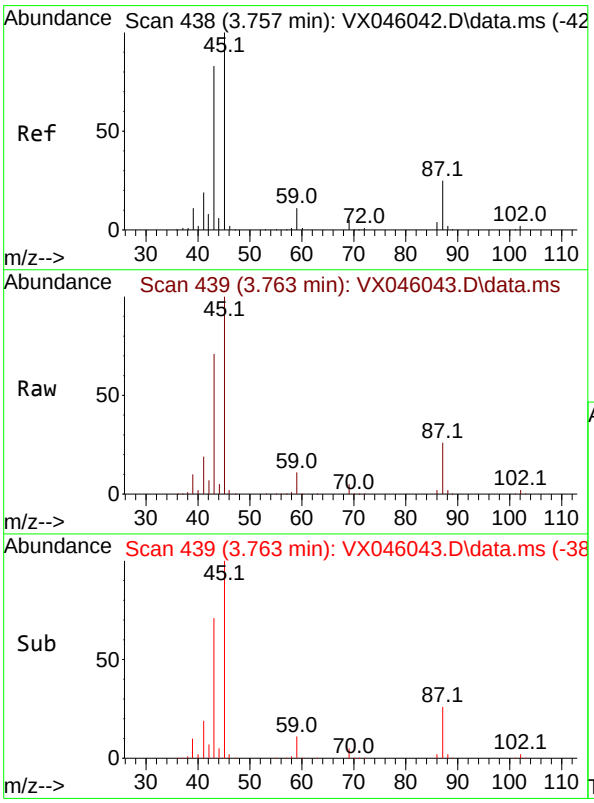
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.7 | 119.5 | 179.3 |
| 98 | 64.4 | 50.0 | 75.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

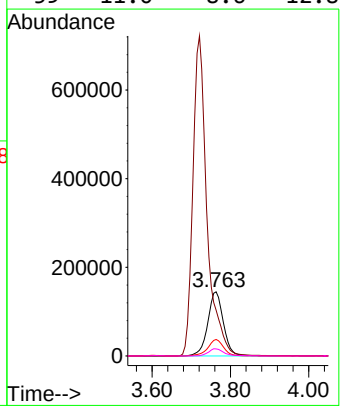
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

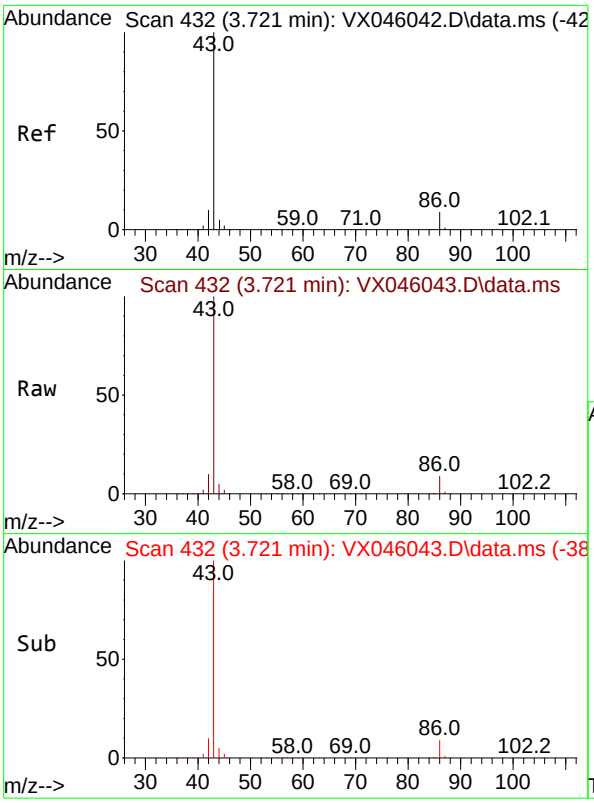



#22
Diisopropyl ether
Concen: 77.048 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 45 Resp: 399494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 71.2 | 66.6 | 100.0 |
| 87 | 25.7 | 19.8 | 29.6 |
| 59 | 11.0 | 8.6 | 12.8 |

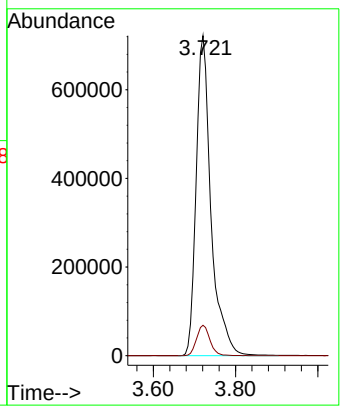





#23
Vinyl Acetate
Concen: 395.363 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 181155

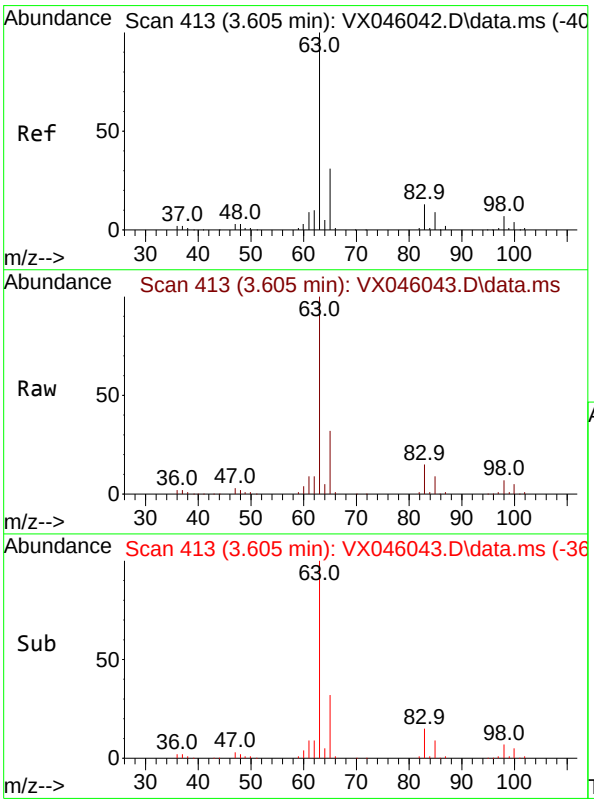
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.5 | 7.5 | 11.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

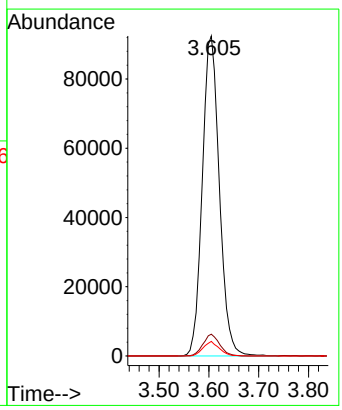
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

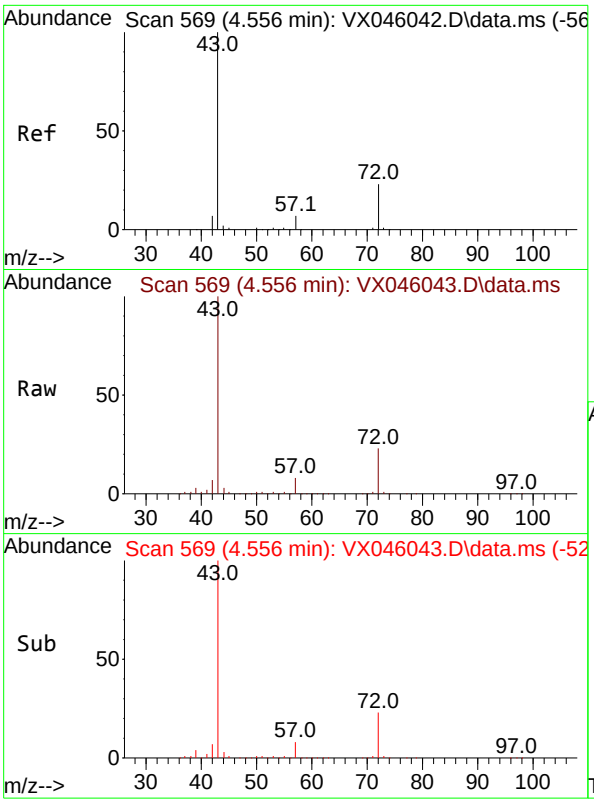



#24
1,1-Dichloroethane
Concen: 72.114 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 219759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.6 | 10.8 |
| 100 | 4.5 | 2.1 | 6.3 |

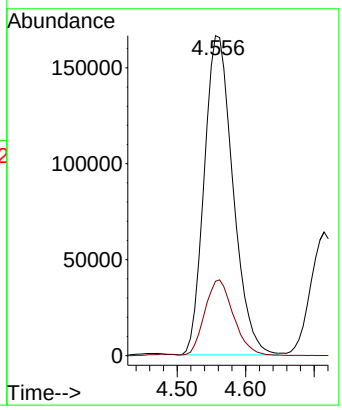





#25
2-Butanone
Concen: 379.704 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 48544

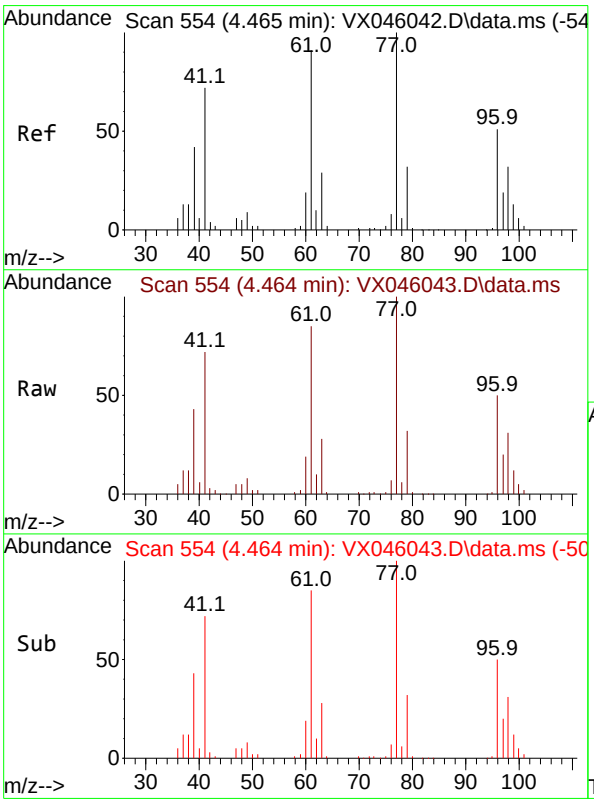
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.1 | 18.4 | 27.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

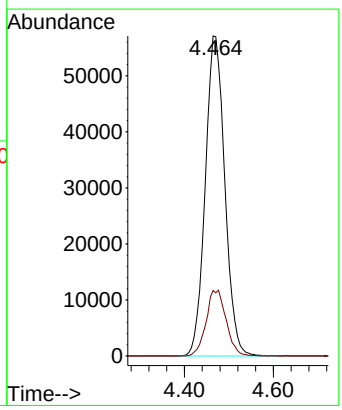
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

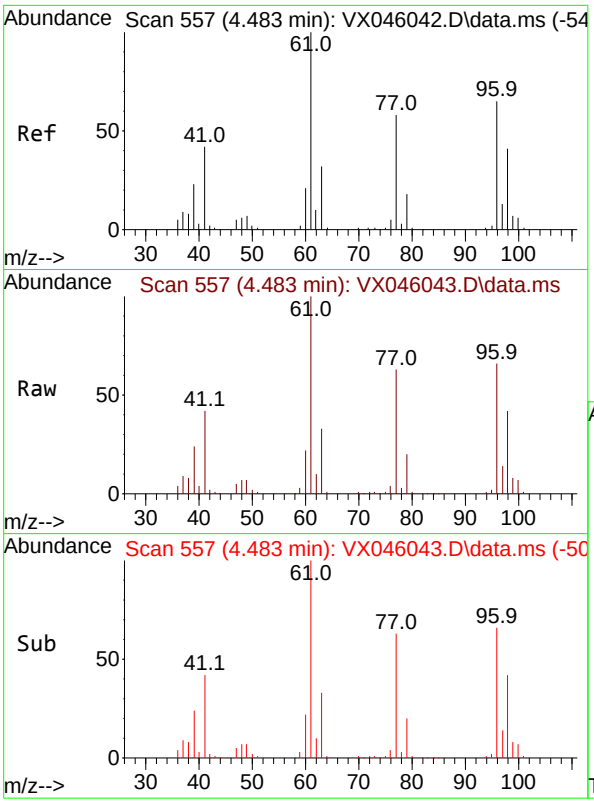



#26
2,2-Dichloropropane
Concen: 75.621 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 77 Resp: 174579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.1 | 10.5 | 31.5 |






#27
cis-1,2-Dichloroethene
Concen: 71.056 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

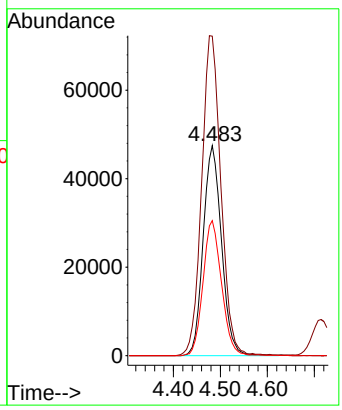
Tgt Ion: 96 Resp: 12845

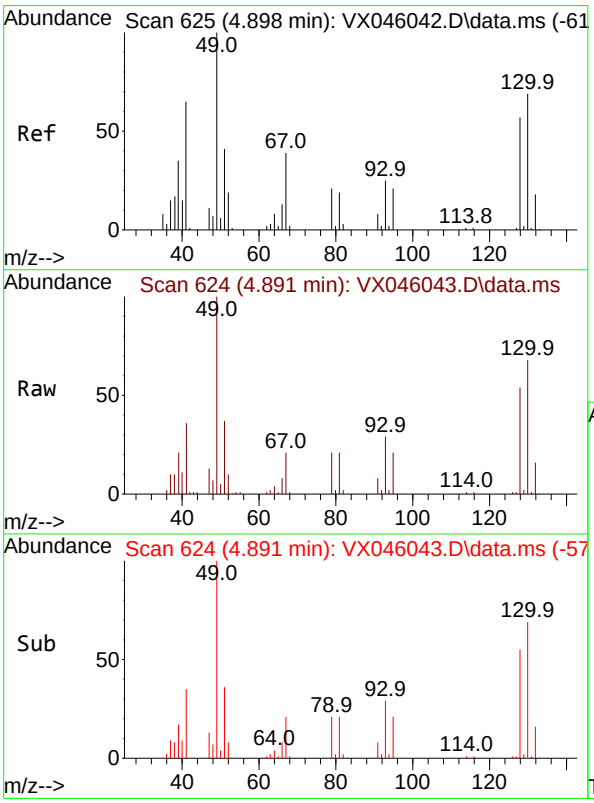
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.1 | 0.0 | 322.8 |
| 98 | 64.9 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

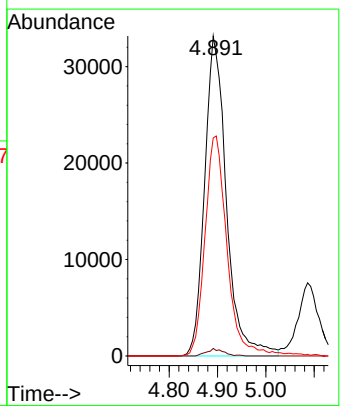


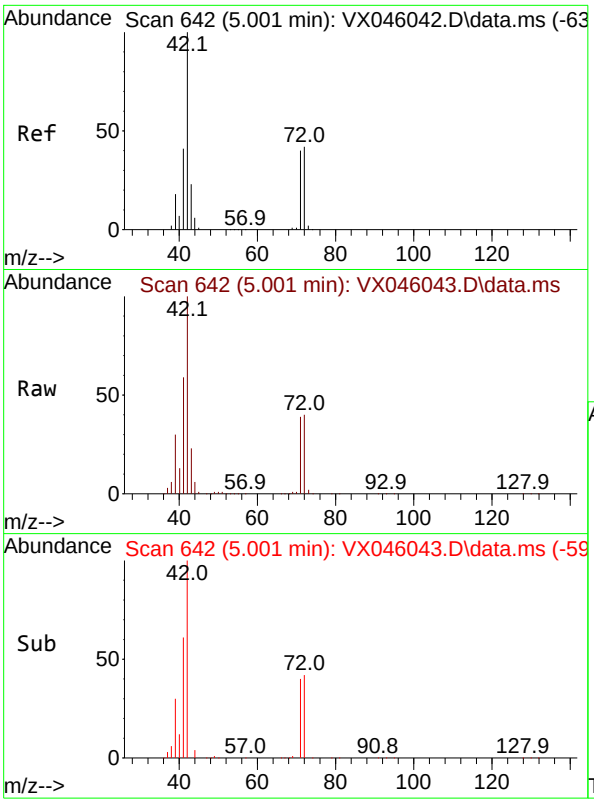




#28
Bromochloromethane
Concen: 63.932 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 49 Resp: 103602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 4.0 |
| 130 | 70.1 | 56.2 | 84.2 |






#29
Tetrahydrofuran
Concen: 368.234 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

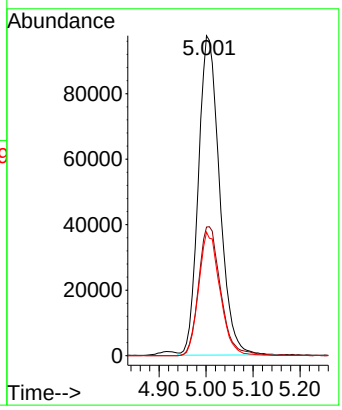
Tgt Ion: 42 Resp: 30575

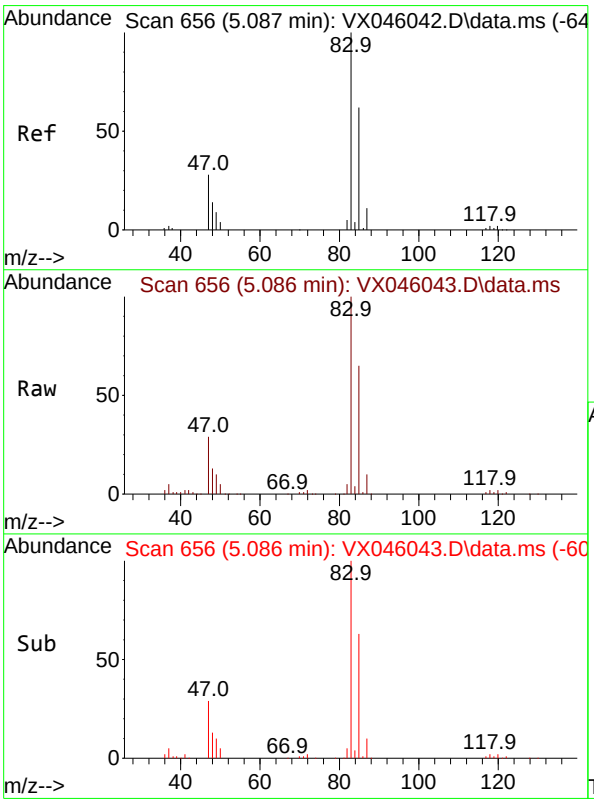
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.1 | 33.7 | 50.5 |
| 71 | 38.7 | 31.4 | 47.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

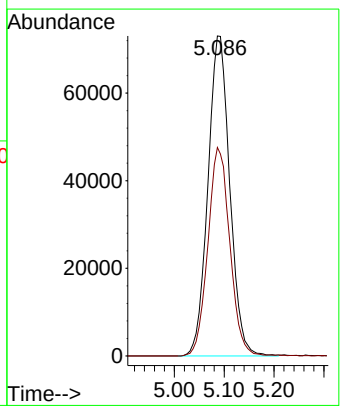


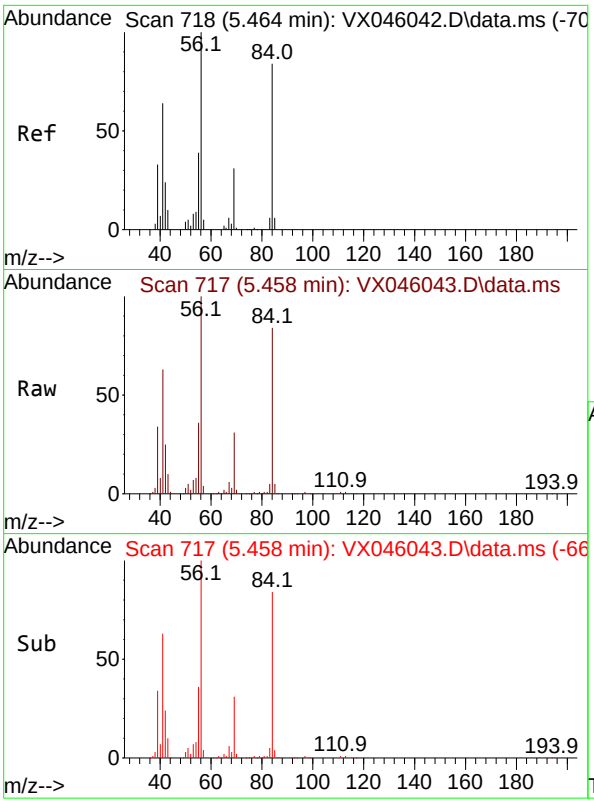




#30
Chloroform
Concen: 70.180 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 222253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 49.3 | 73.9 |






#31
Cyclohexane
Concen: 76.428 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

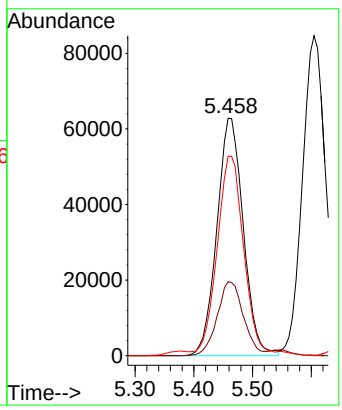
Tgt Ion: 56 Resp: 19630

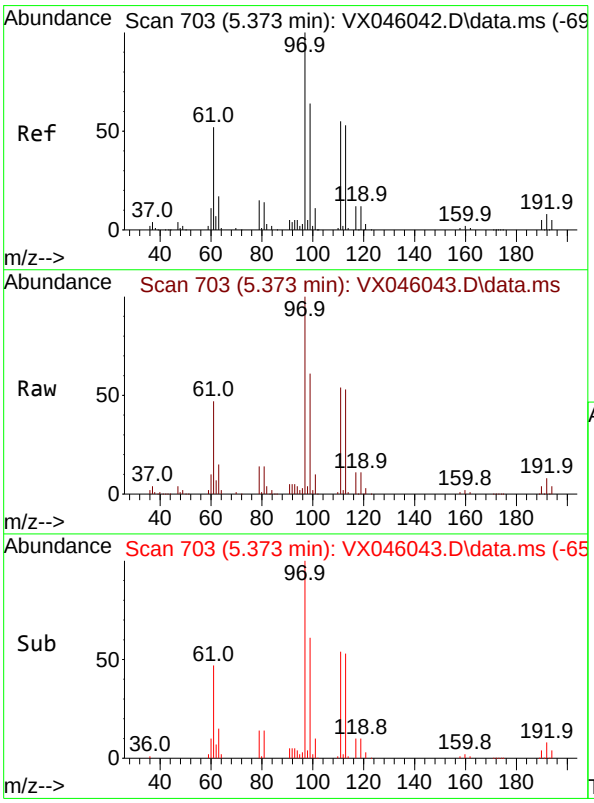
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.2 | 24.4 | 36.6 |
| 84 | 82.3 | 66.9 | 100.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

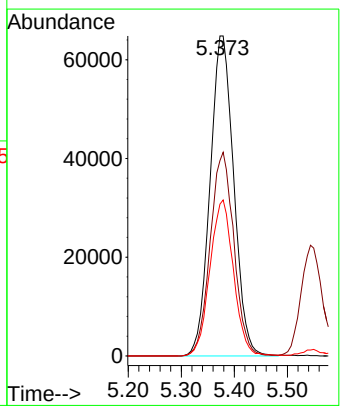


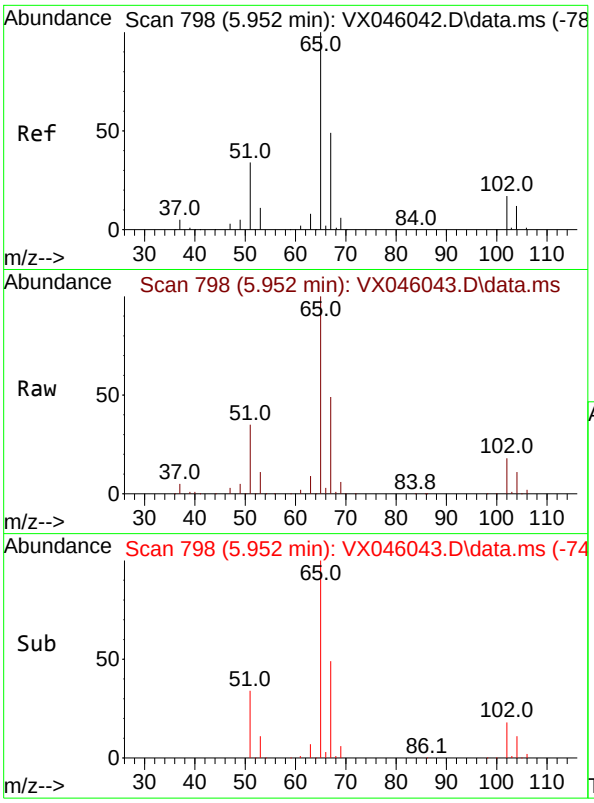




#32
1,1,1-Trichloroethane
Concen: 73.635 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 97 Resp: 201112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 51.8 | 77.6 |
| 61 | 48.7 | 40.1 | 60.1 |

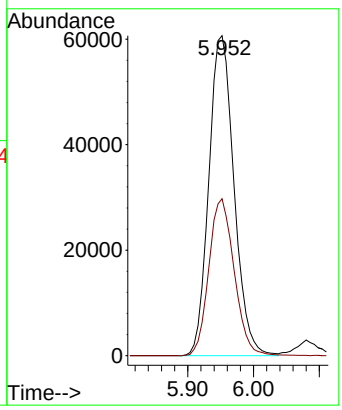





#33
1,2-Dichloroethane-d4
Concen: 62.526 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 65 Resp: 16187

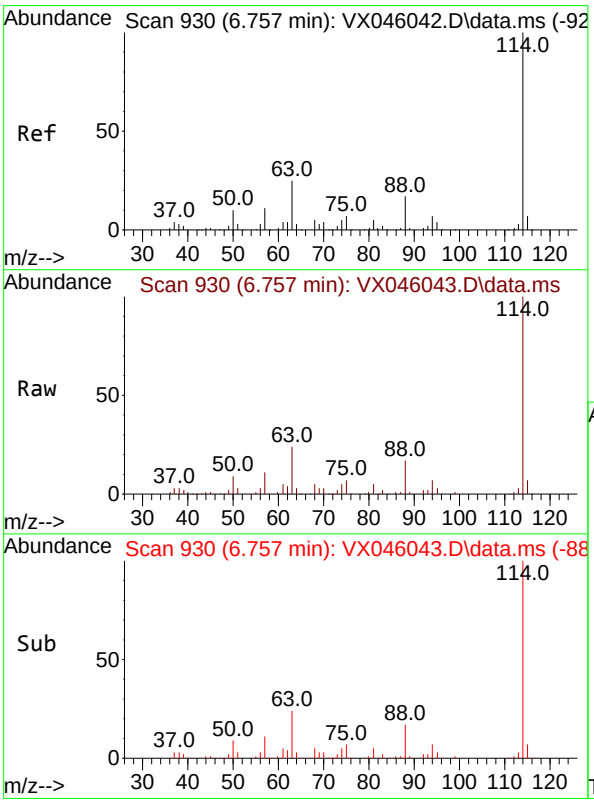
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.5 | 0.0 | 99.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

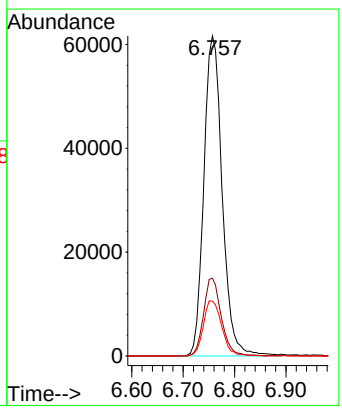
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

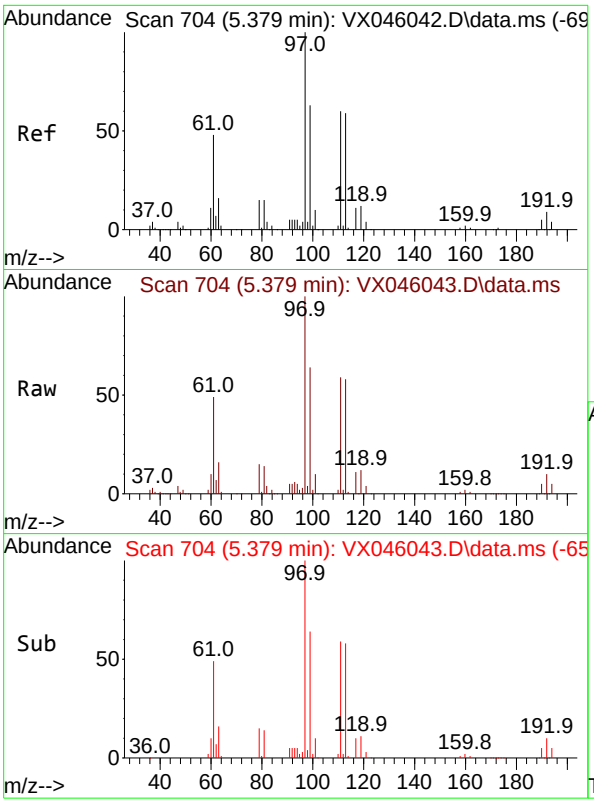



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:114 Resp: 152958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.3 | 0.0 | 49.2 |
| 88 | 17.1 | 0.0 | 33.6 |






#35
Dibromofluoromethane
Concen: 65.006 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

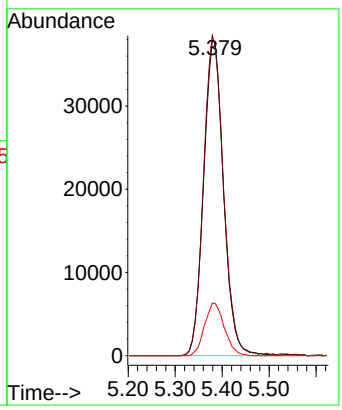
Tgt Ion:113 Resp: 11145

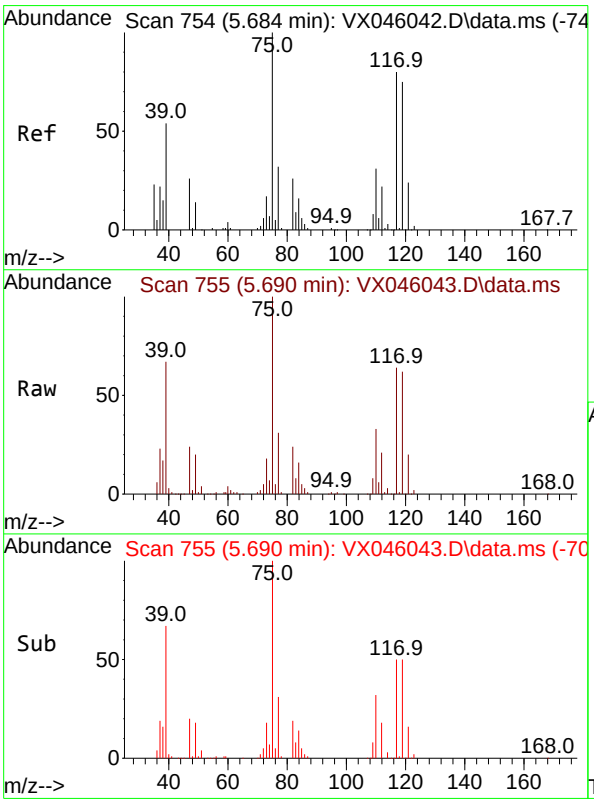
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 83.1 | 124.7 |
| 192 | 16.6 | 13.3 | 19.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

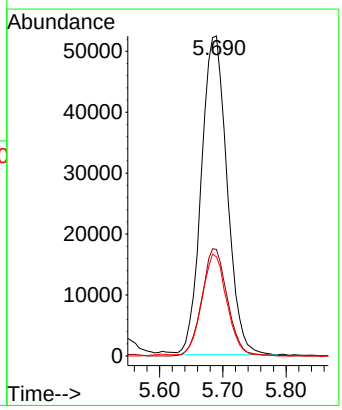


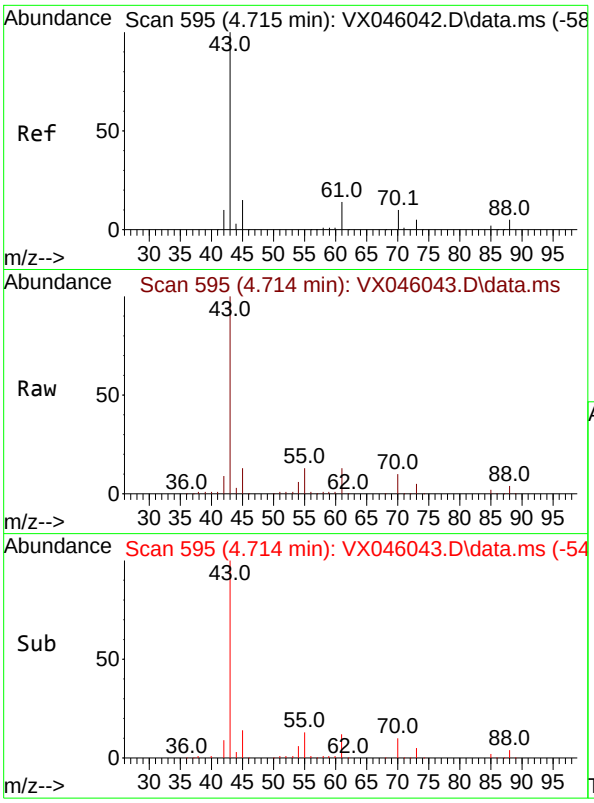




#36
1,1-Dichloropropene
Concen: 74.285 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 147873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.5 | 16.3 | 48.9 |
| 77 | 31.1 | 24.3 | 36.5 |

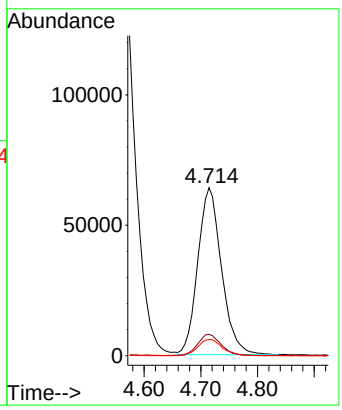





#37
Ethyl Acetate
Concen: 74.565 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 18621

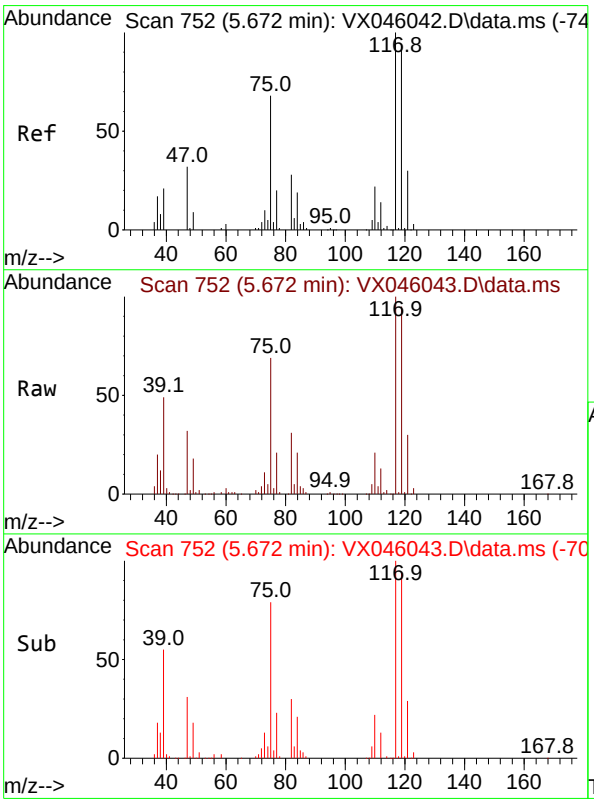
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.4 | 10.3 | 15.5 |
| 70 | 9.9 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

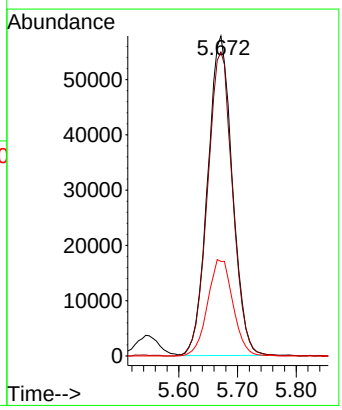
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

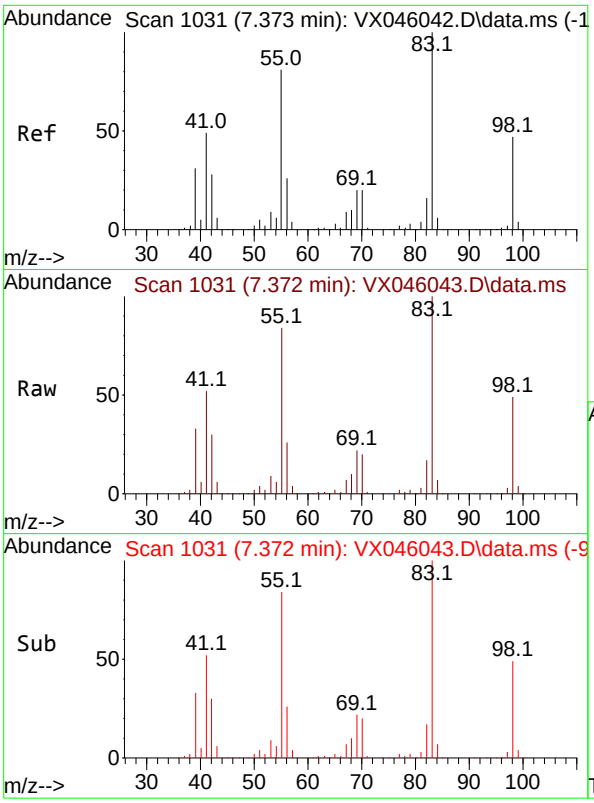



#38
Carbon Tetrachloride
Concen: 73.875 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 168946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.0 | 75.2 | 112.8 |
| 121 | 29.6 | 24.2 | 36.4 |






#39
Methylcyclohexane
Concen: 76.952 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

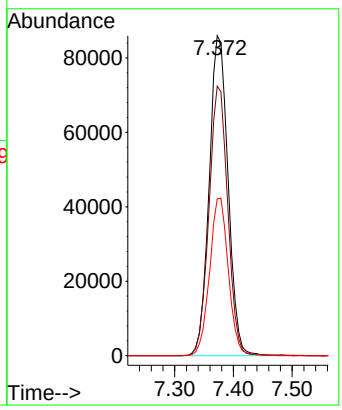
Tgt Ion: 83 Resp: 19194

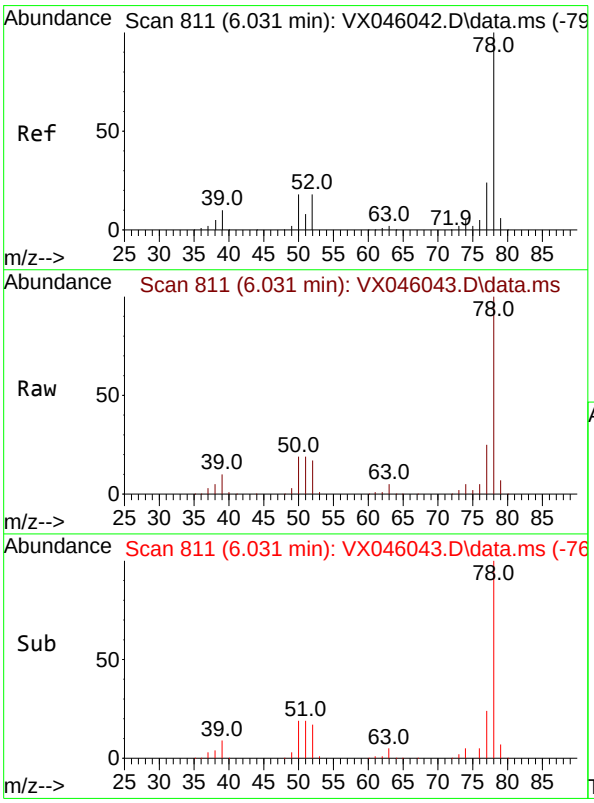
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 84.2 | 64.7 | 97.1 |
| 98 | 49.0 | 37.4 | 56.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

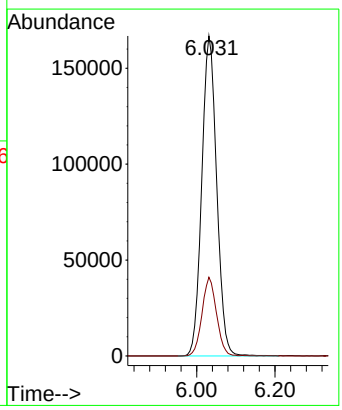


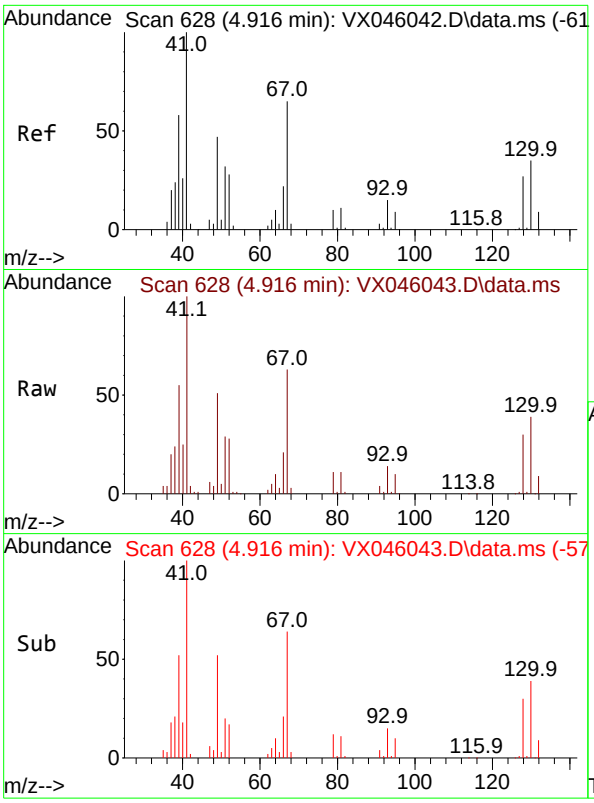




#40
Benzene
Concen: 71.457 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 78 Resp: 440885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.6 | 19.0 | 28.4 |

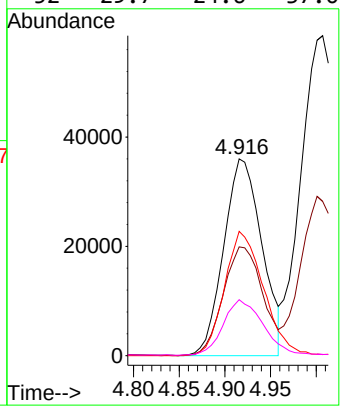





#41
Methacrylonitrile
Concen: 75.574 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 10486

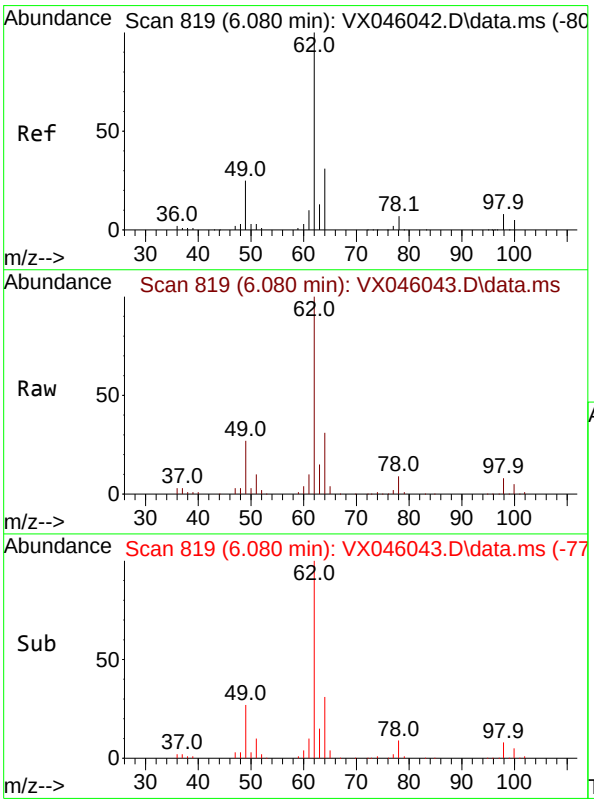
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.0 | 47.2 | 70.8 |
| 67 | 64.6 | 50.7 | 76.1 |
| 52 | 29.7 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

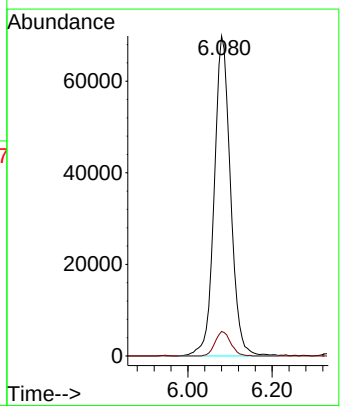
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

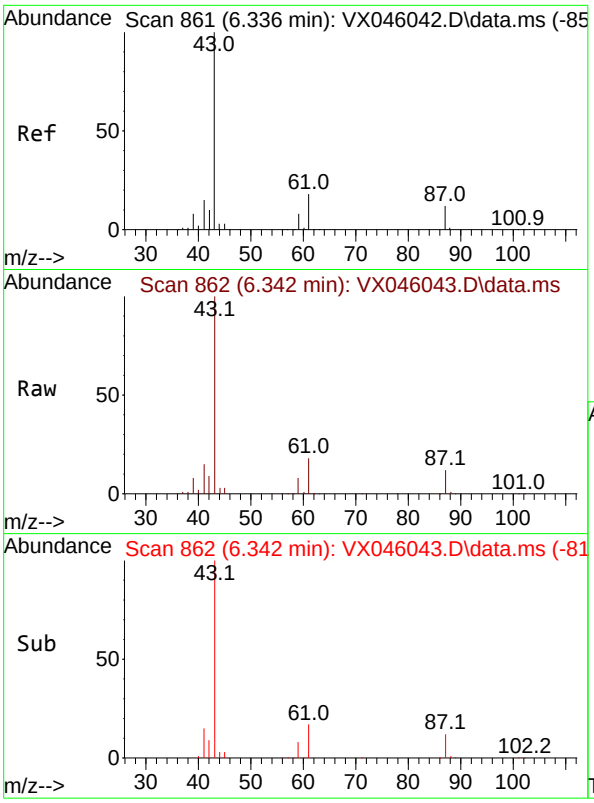



#42
1,2-Dichloroethane
Concen: 73.318 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 187036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.4 | 0.0 | 15.2 |

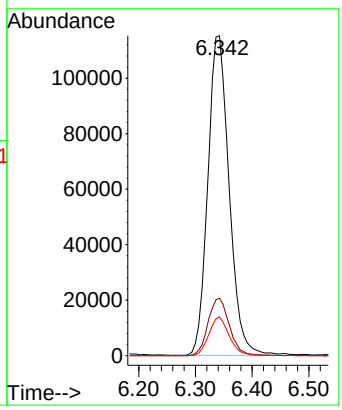





#43
Isopropyl Acetate
Concen: 78.714 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 30049

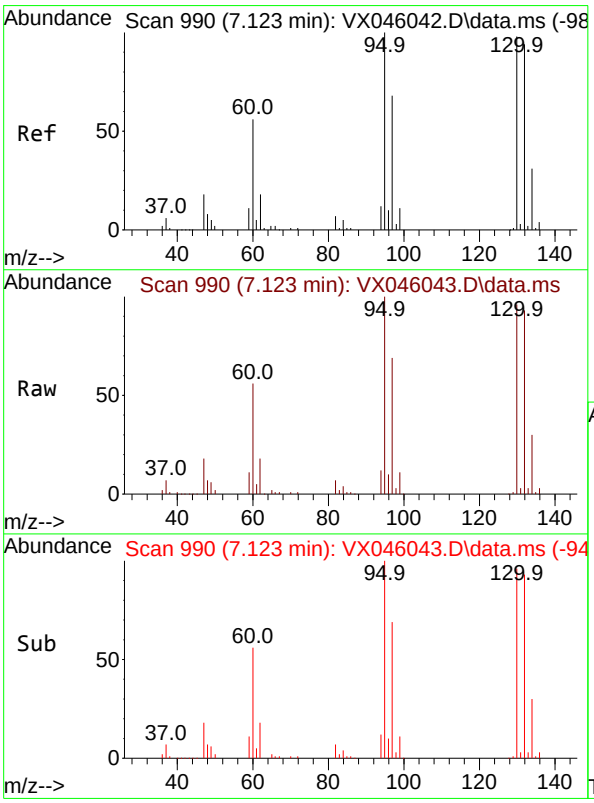
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 14.3 | 21.5 |
| 87 | 11.6 | 9.5 | 14.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

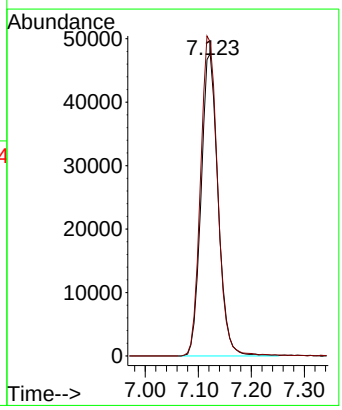
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

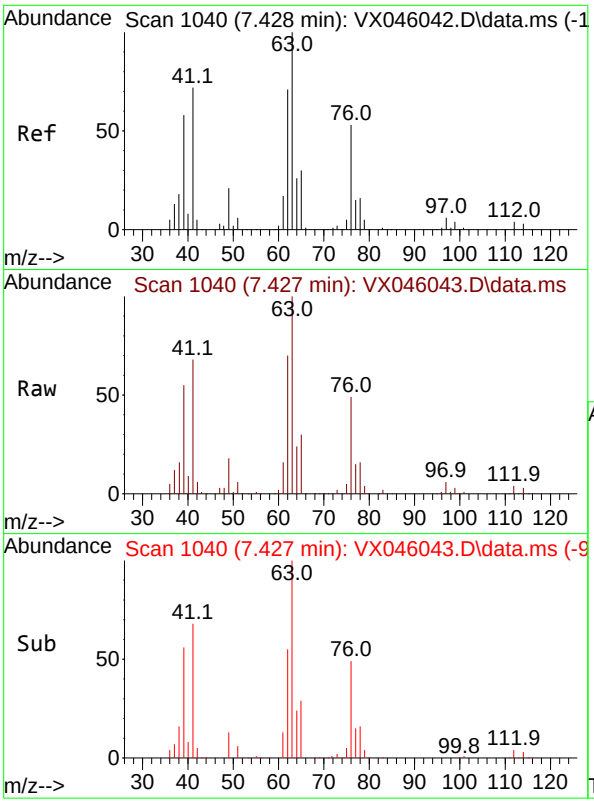



#44
Trichloroethene
Concen: 72.420 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:130 Resp: 105628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 103.8 | 0.0 | 204.2 |

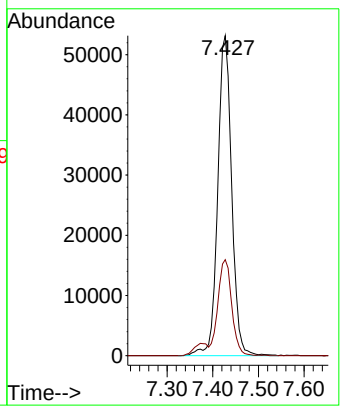





#45
1,2-Dichloropropane
Concen: 73.420 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 11255

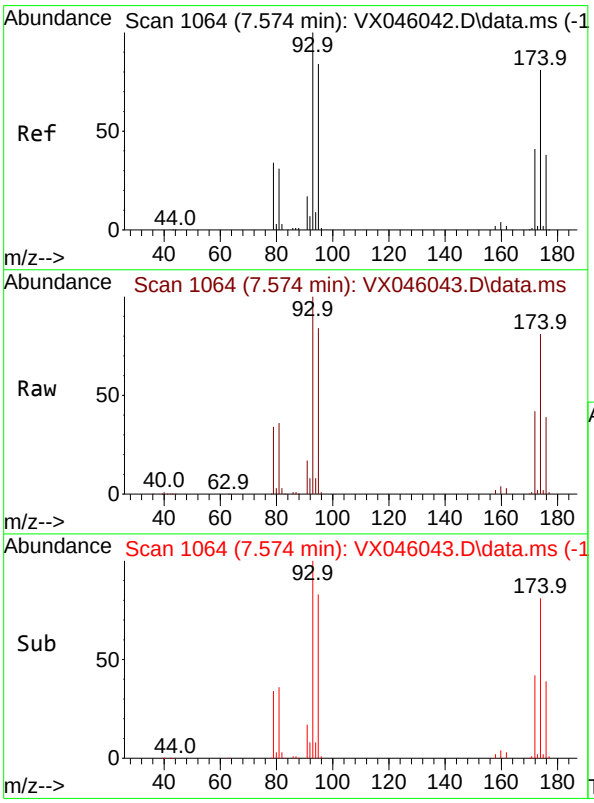
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.0 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

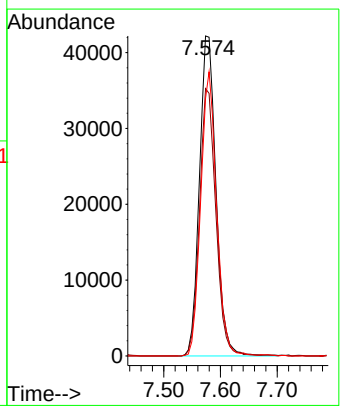
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

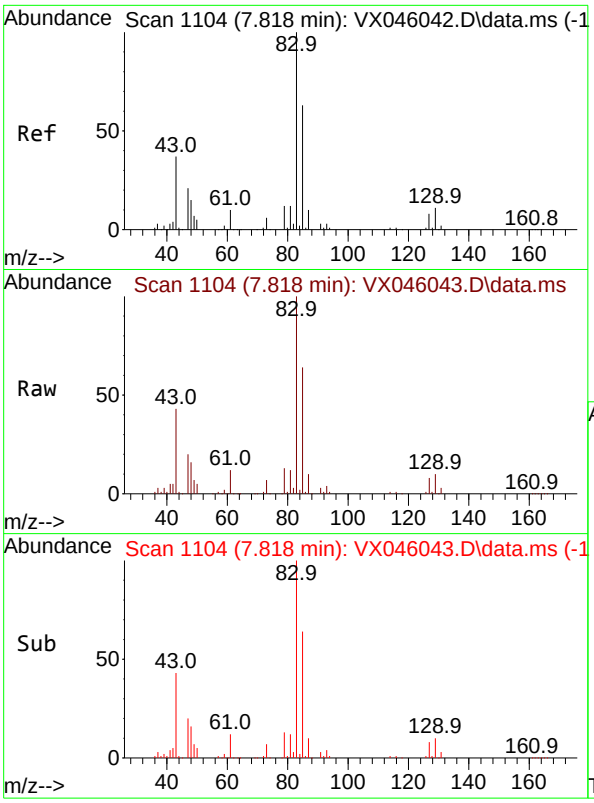



#46
Dibromomethane
Concen: 70.938 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 93 Resp: 85728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.4 | 65.6 | 98.4 |
| 174 | 85.0 | 68.2 | 102.2 |

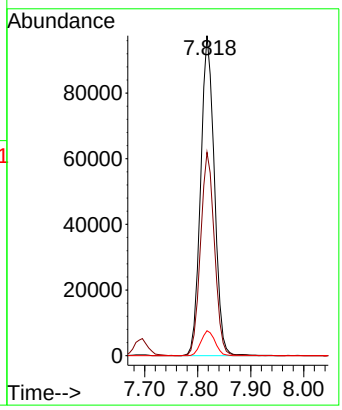





#47
Bromodichloromethane
Concen: 74.845 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 17530

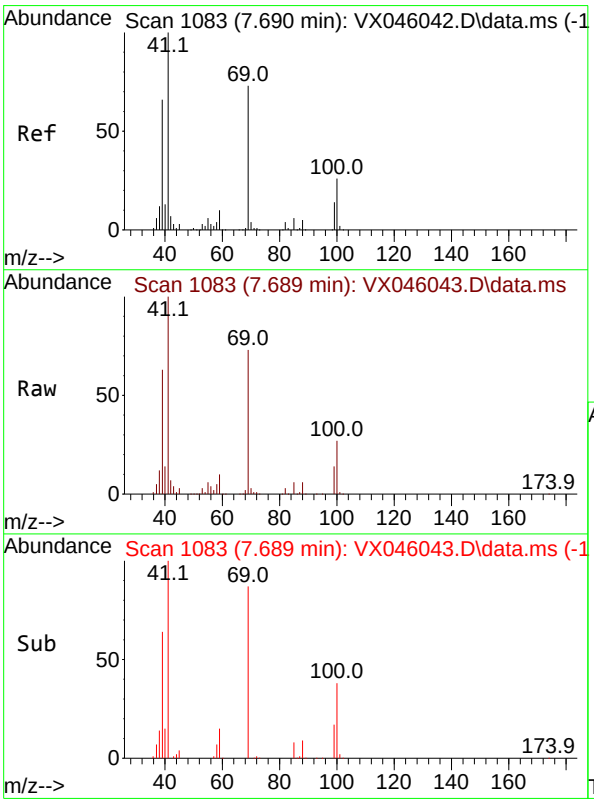
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.6 | 50.5 | 75.7 |
| 127 | 7.8 | 6.5 | 9.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

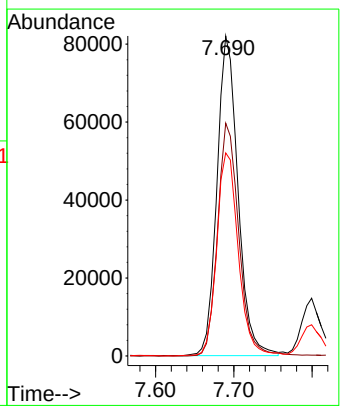
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

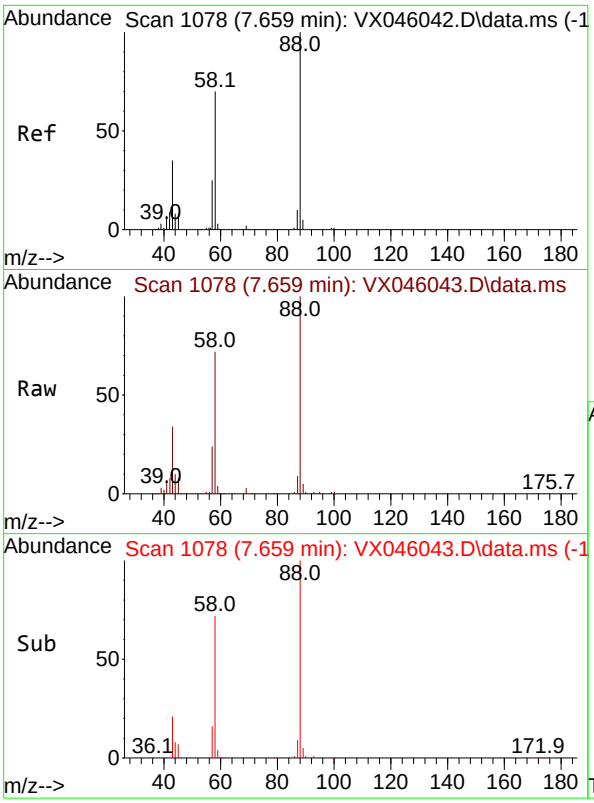



#48
Methyl methacrylate
Concen: 78.101 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 153093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 74.1 | 58.5 | 87.7 |
| 39 | 65.5 | 51.7 | 77.5 |

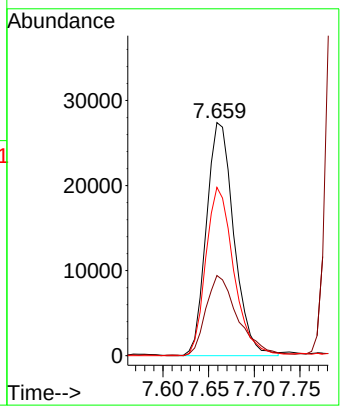





#49
1,4-Dioxane
Concen: 1470.687 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 88 Resp: 5731

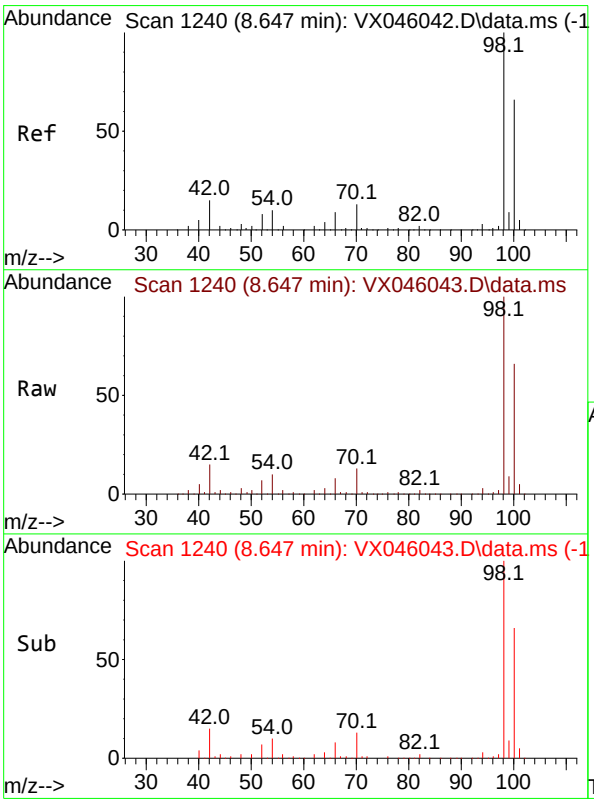
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.1 | 33.4 | 50.2 |
| 58 | 73.3 | 58.6 | 88.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

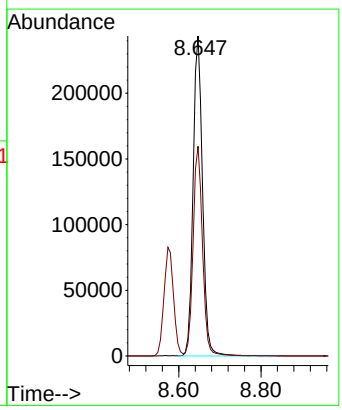
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

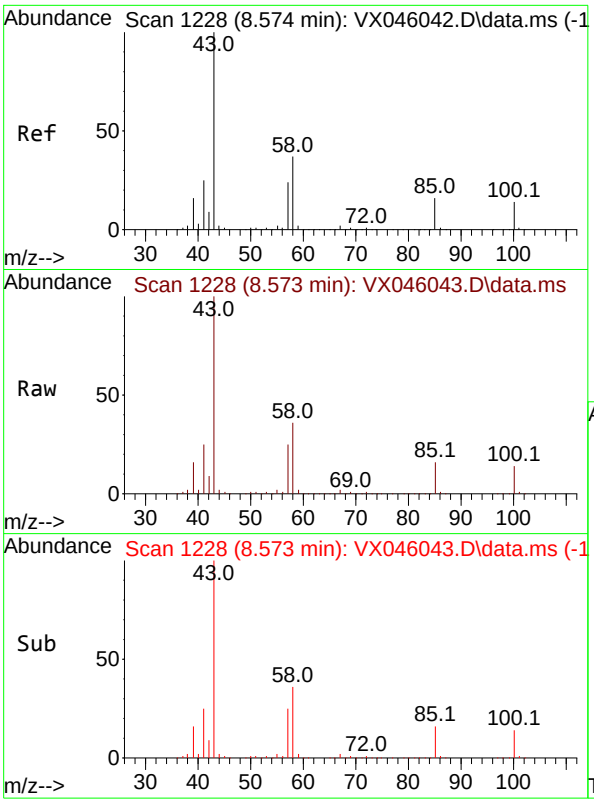



#50
Toluene-d8
Concen: 67.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 98 Resp: 387230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 53.5 | 80.3 |






#51
4-Methyl-2-Pentanone
Concen: 384.740 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

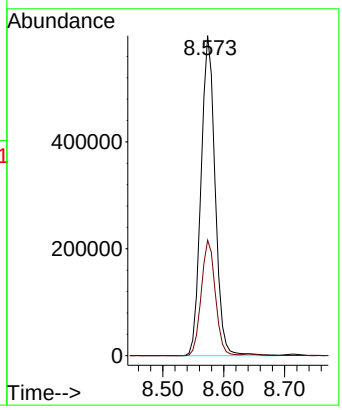
Tgt Ion: 43 Resp: 96331

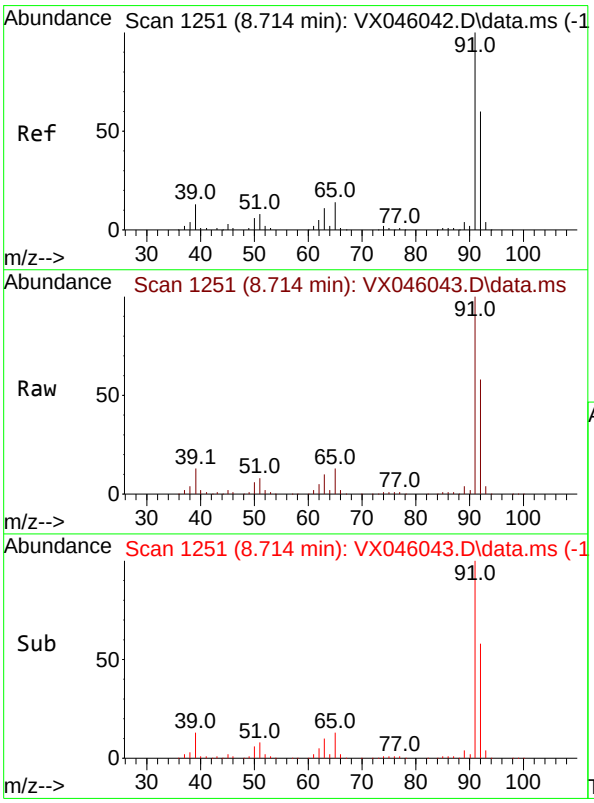
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.1 | 28.9 | 43.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

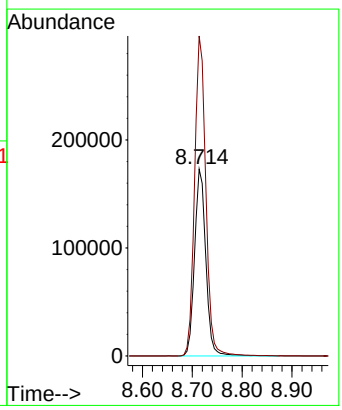


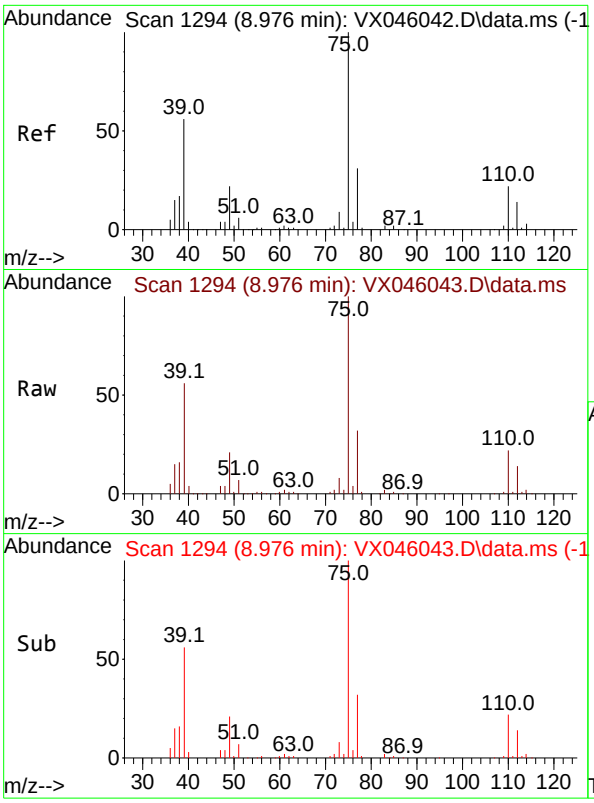




#52
Toluene
Concen: 74.010 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 92 Resp: 270763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.2 | 136.6 | 205.0 |

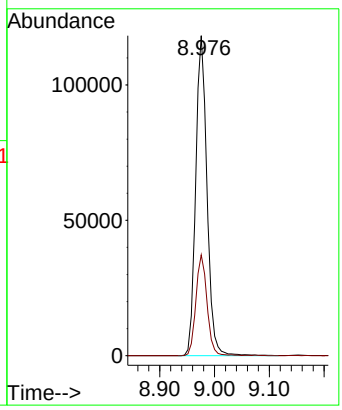





#53
t-1,3-Dichloropropene
Concen: 86.372 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 16986

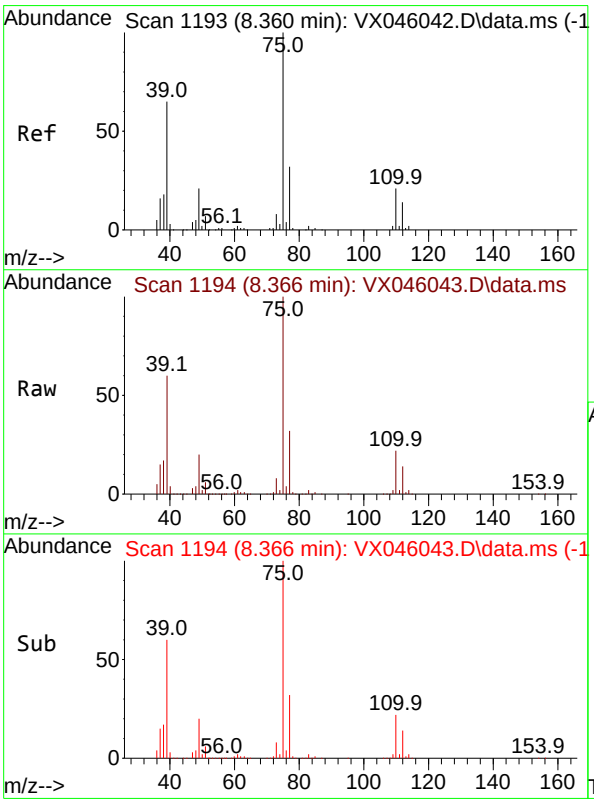
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

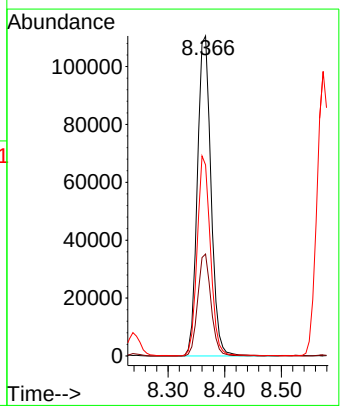
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

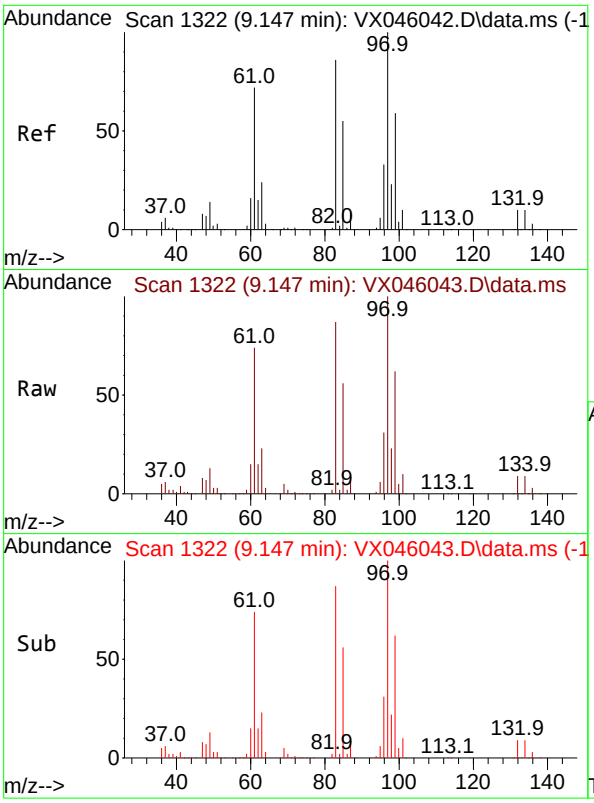



#54
cis-1,3-Dichloropropene
Concen: 80.264 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 184134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.4 | 38.0 |
| 39 | 59.6 | 52.2 | 78.4 |

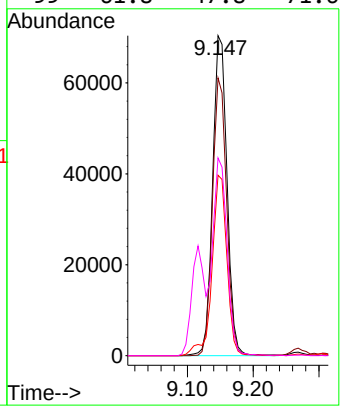





#55
1,1,2-Trichloroethane
Concen: 72.543 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 97 Resp: 10726

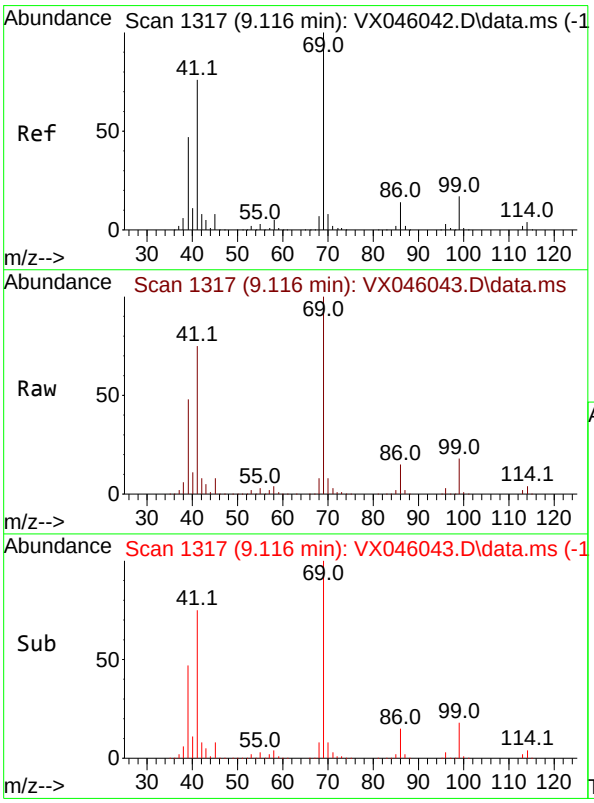
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.8 | 69.0 | 103.6 |
| 85 | 56.4 | 44.3 | 66.5 |
| 99 | 61.8 | 47.8 | 71.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

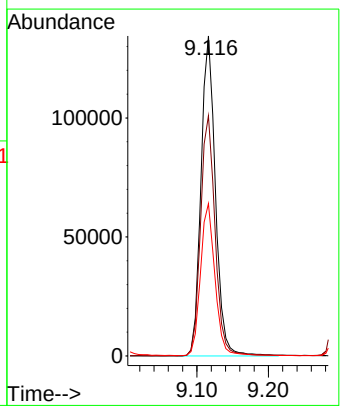
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

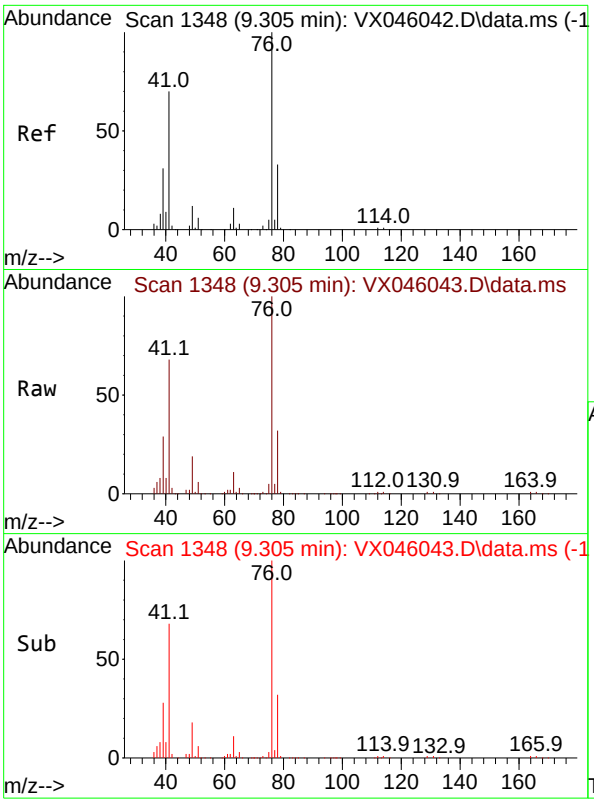



#56
Ethyl methacrylate
Concen: 82.359 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 69 Resp: 188717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 75.7 | 60.8 | 91.2 |
| 39 | 47.7 | 39.0 | 58.6 |






#57
1,3-Dichloropropane
Concen: 71.590 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

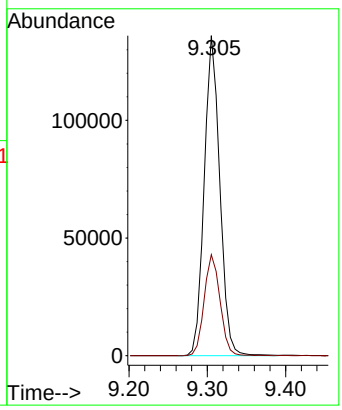
Tgt Ion: 76 Resp: 18764

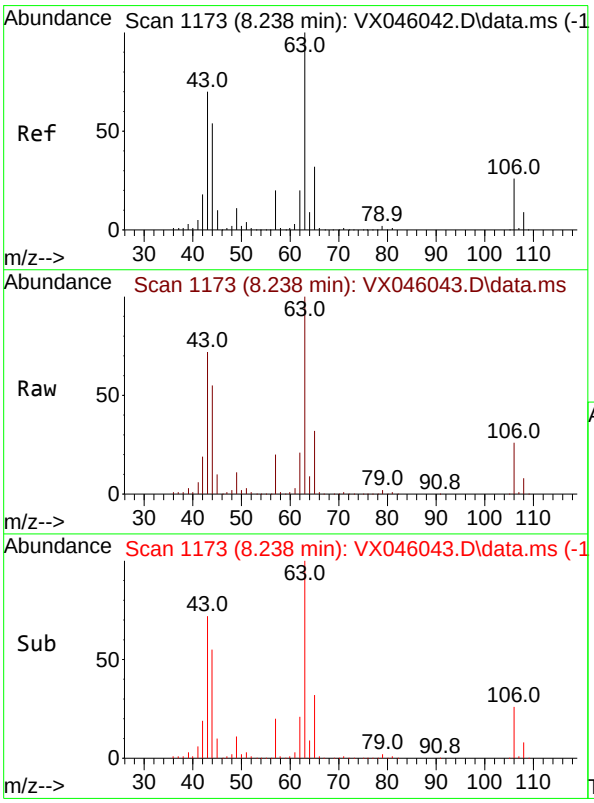
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 26.3 | 39.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

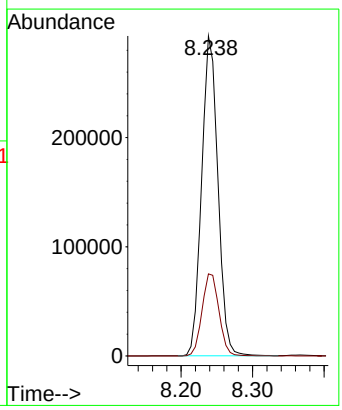


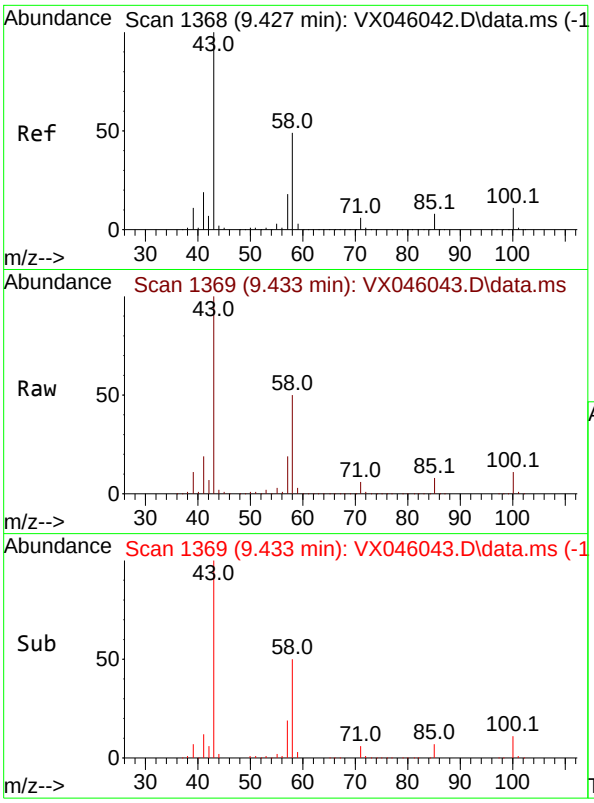




#58
2-Chloroethyl Vinyl ether
Concen: 449.791 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 463169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.7 | 21.5 | 32.3 |






#59
2-Hexanone
Concen: 383.945 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

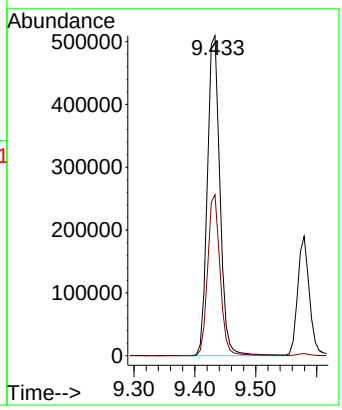
Tgt Ion: 43 Resp: 72960

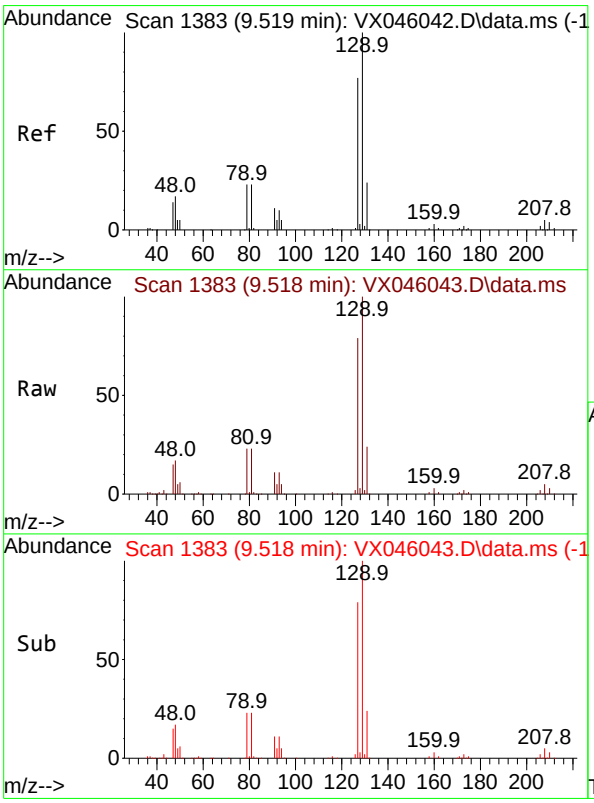
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.9 | 24.9 | 74.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

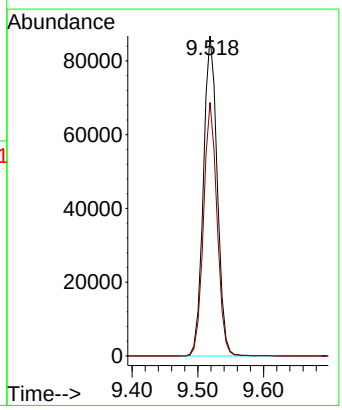


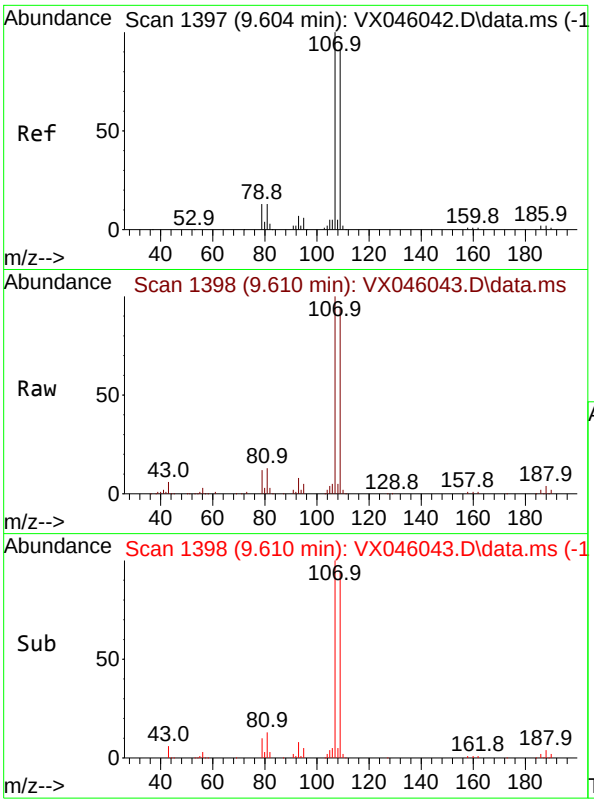




#60
Dibromochloromethane
Concen: 78.918 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:129 Resp: 127012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.0 | 39.3 | 117.8 |






#61
1,2-Dibromoethane
Concen: 74.200 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

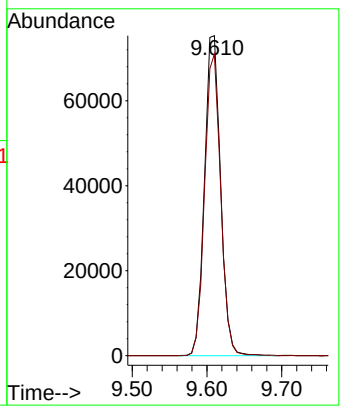
Tgt Ion:107 Resp: 11266

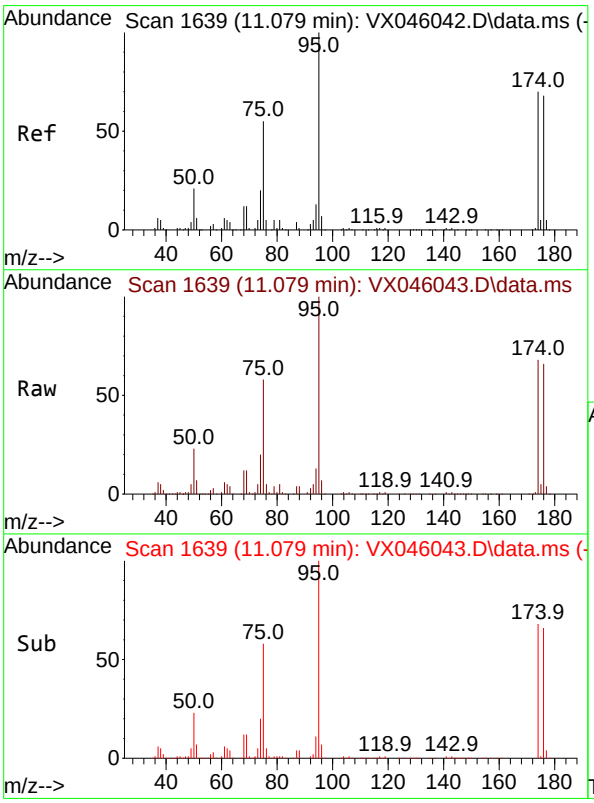
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 73.3 | 109.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

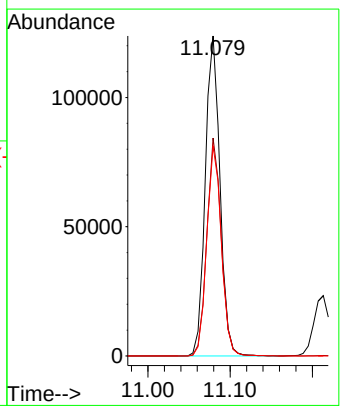


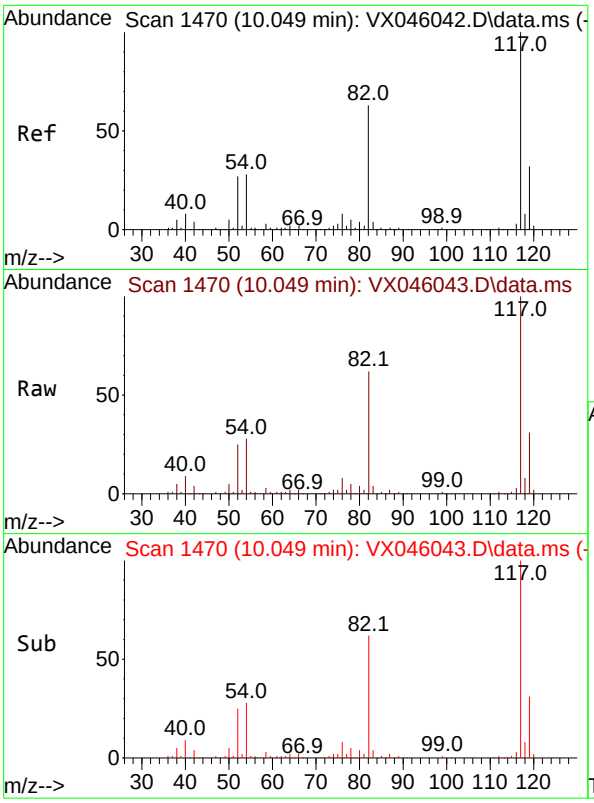




#62
4-Bromofluorobenzene
Concen: 72.818 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 95 Resp: 153085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.1 | 0.0 | 135.8 |
| 176 | 65.3 | 0.0 | 131.4 |

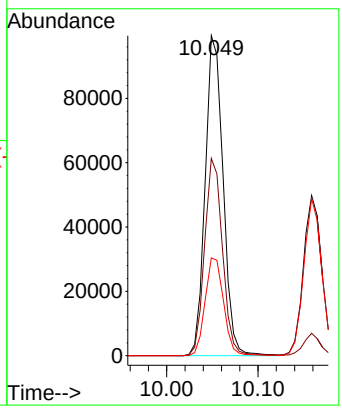





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 13521

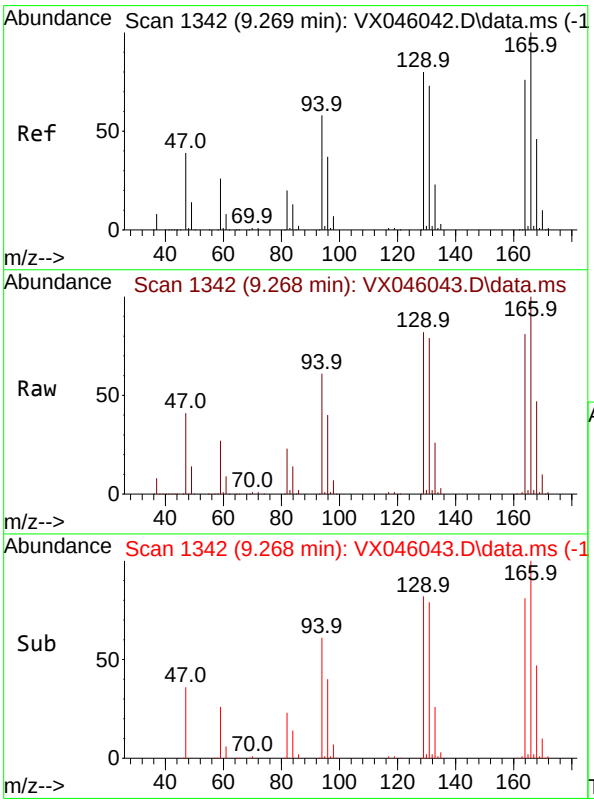
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.7 | 50.6 | 76.0 |
| 119 | 30.6 | 25.8 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

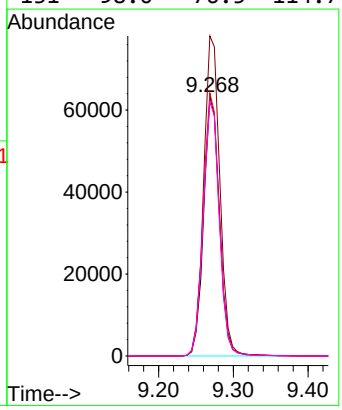
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

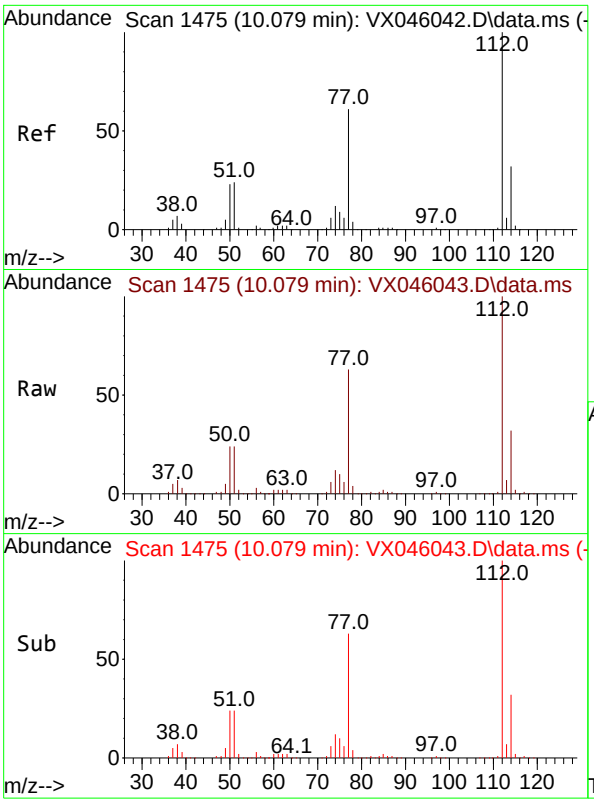



#64
Tetrachloroethene
Concen: 67.493 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:164 Resp: 93195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.4 | 105.0 | 157.6 |
| 129 | 101.4 | 83.5 | 125.3 |
| 131 | 98.0 | 76.5 | 114.7 |






#65
Chlorobenzene
Concen: 70.490 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

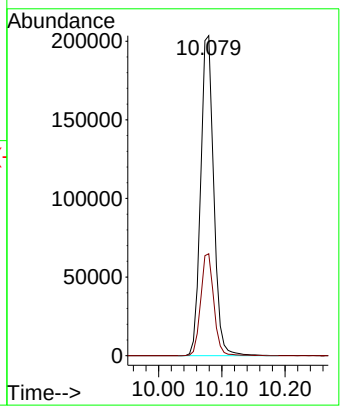
Tgt Ion:112 Resp: 29328

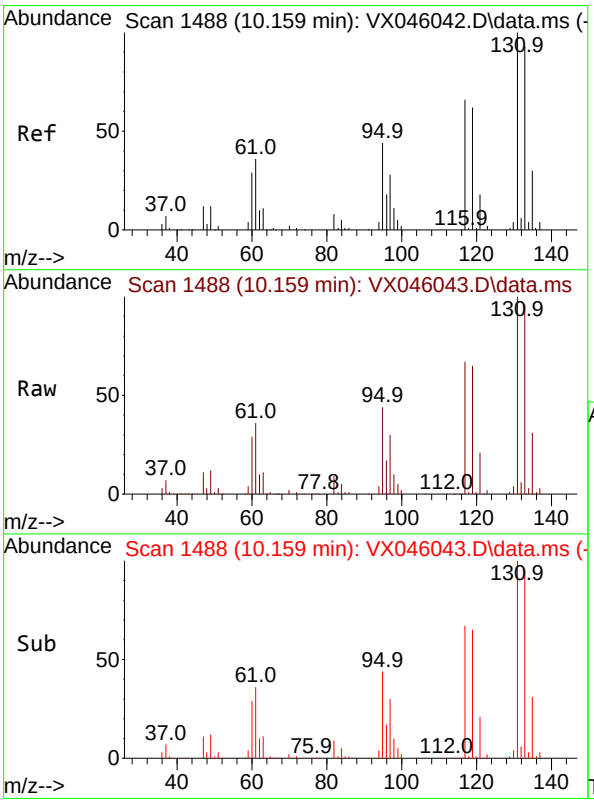
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.4 | 38.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

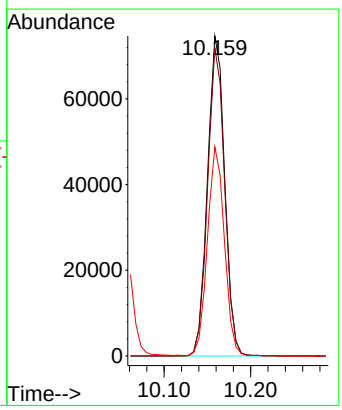


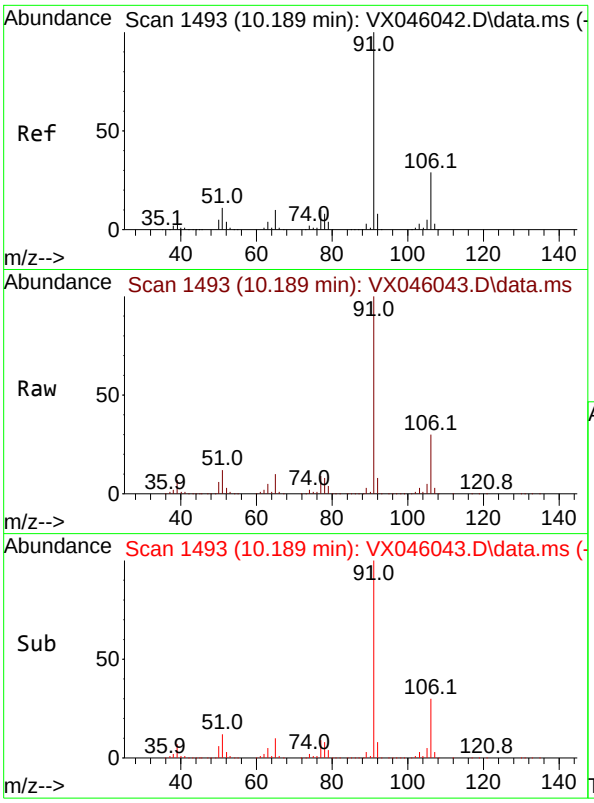




#66
1,1,1,2-Tetrachloroethane
Concen: 74.349 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:131 Resp: 103177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.3 | 47.3 | 141.9 |
| 119 | 64.5 | 31.6 | 95.0 |

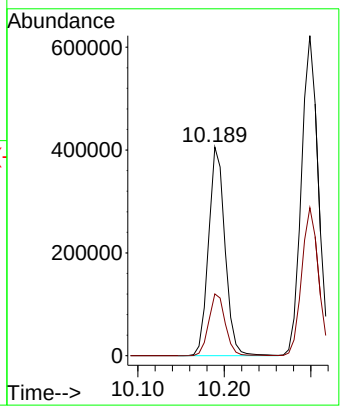





#67
Ethyl Benzene
Concen: 75.444 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 53512

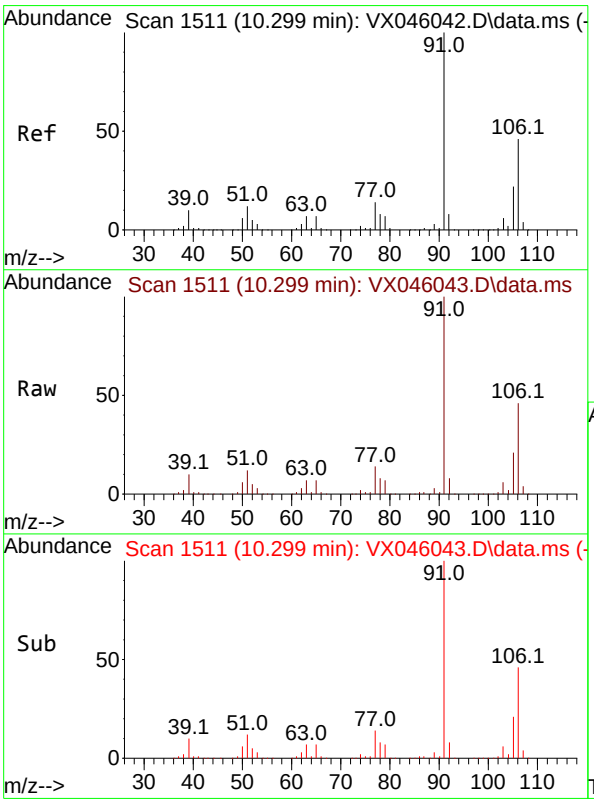
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.6 | 23.4 | 35.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

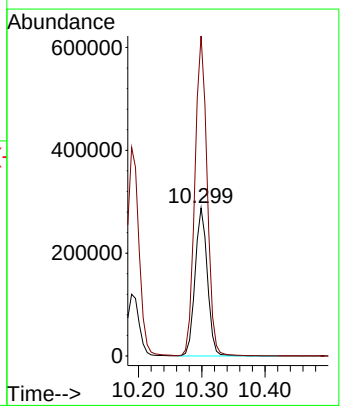
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

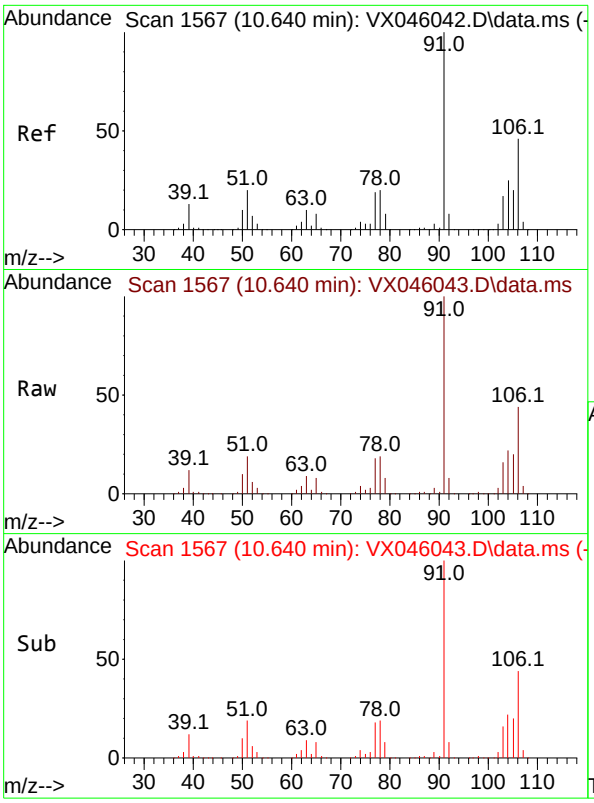



#68
m/p-Xylenes
Concen: 152.181 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:106 Resp: 389935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.8 | 171.2 | 256.8 |

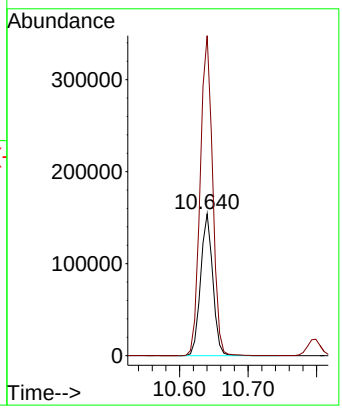





#69
o-Xylene
Concen: 73.890 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:106 Resp: 19083

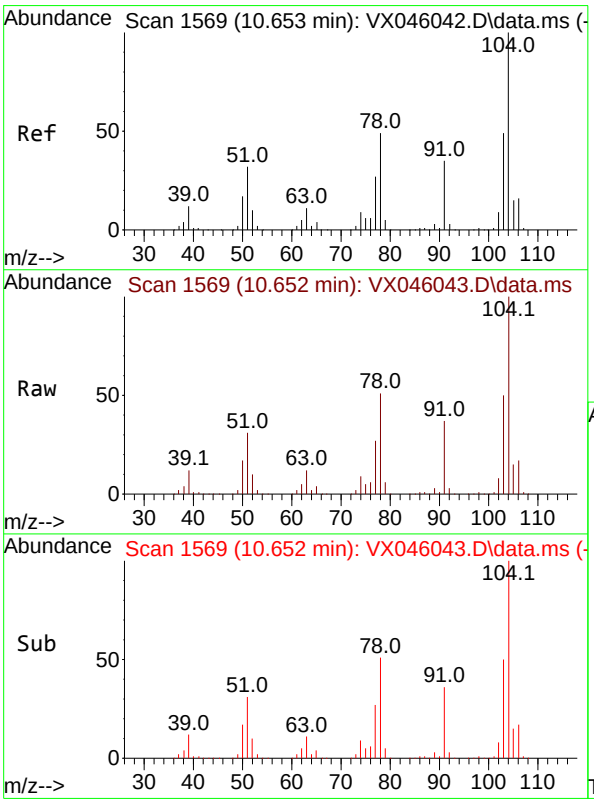
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 230.3 | 112.7 | 338.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

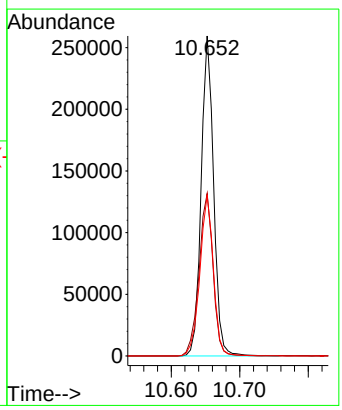
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

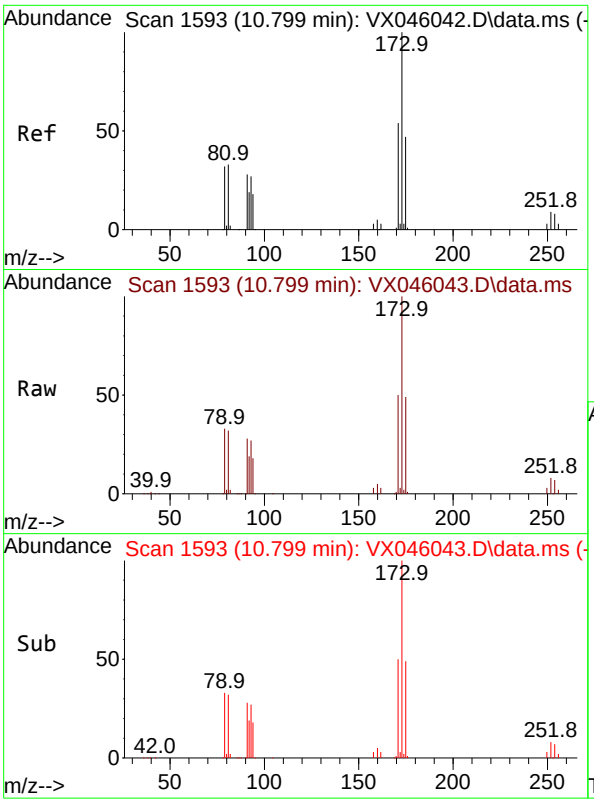



#70
Styrene
Concen: 79.411 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:104 Resp: 328195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.4 | 45.7 | 68.5 |
| 103 | 54.8 | 43.7 | 65.5 |

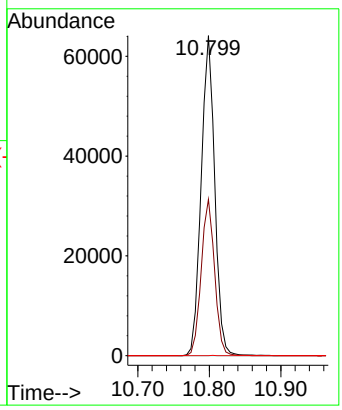





#71
Bromoform
Concen: 80.927 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:173 Resp: 8435

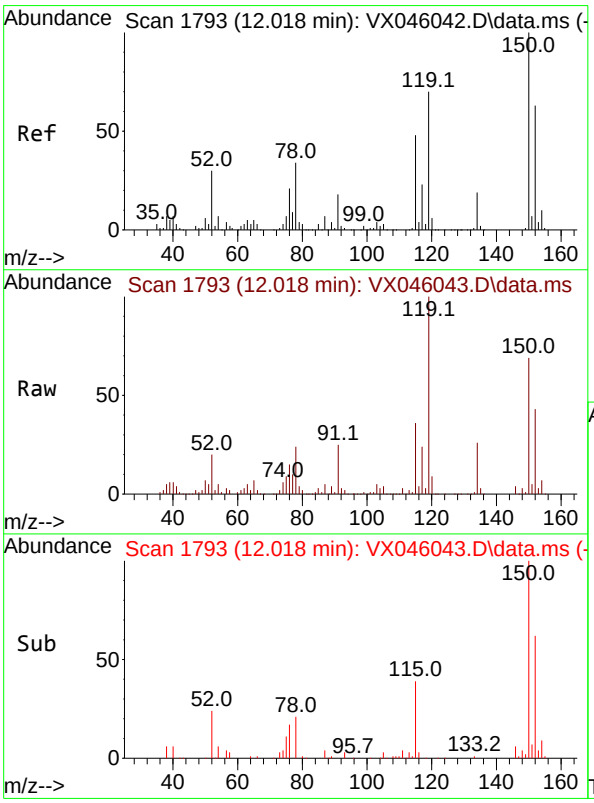
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

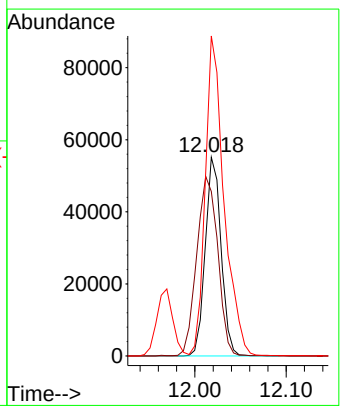
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

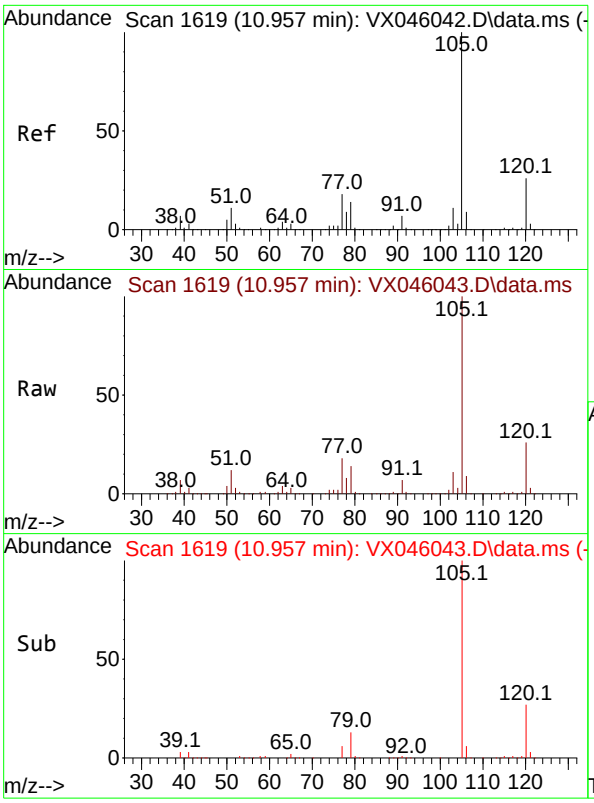



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:152 Resp: 66369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 120.4 | 46.9 | 140.7 |
| 150 | 190.4 | 0.0 | 351.0 |






#73
Isopropylbenzene
Concen: 71.083 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

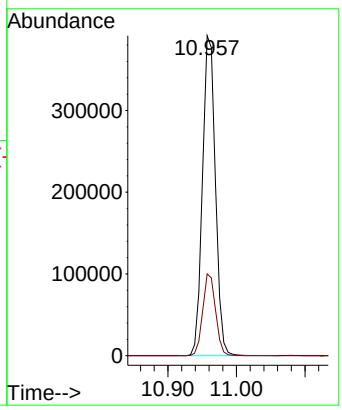
Tgt Ion:105 Resp: 51452

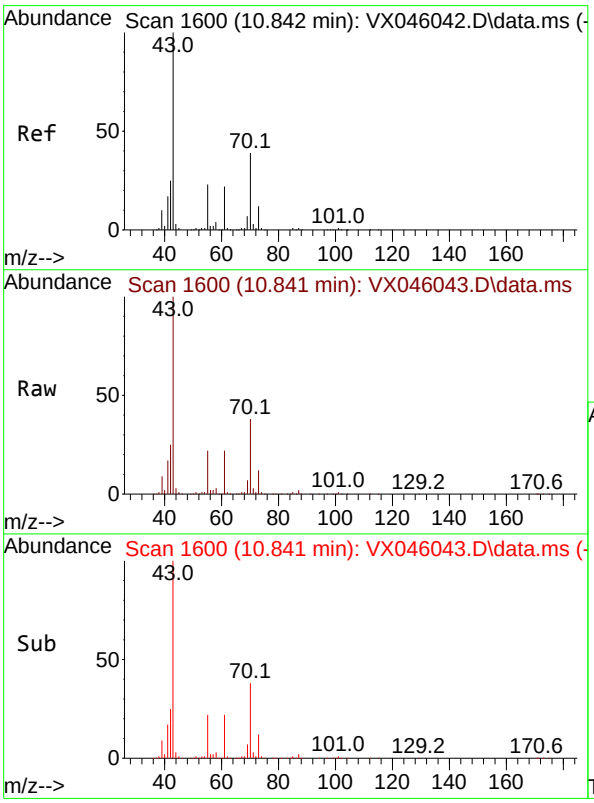
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.4 | 12.8 | 38.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

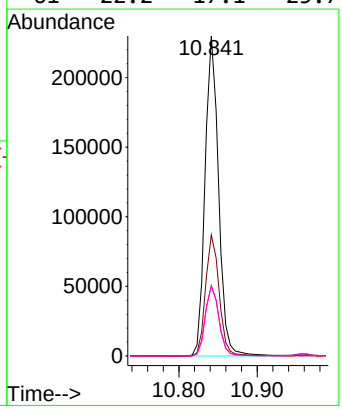


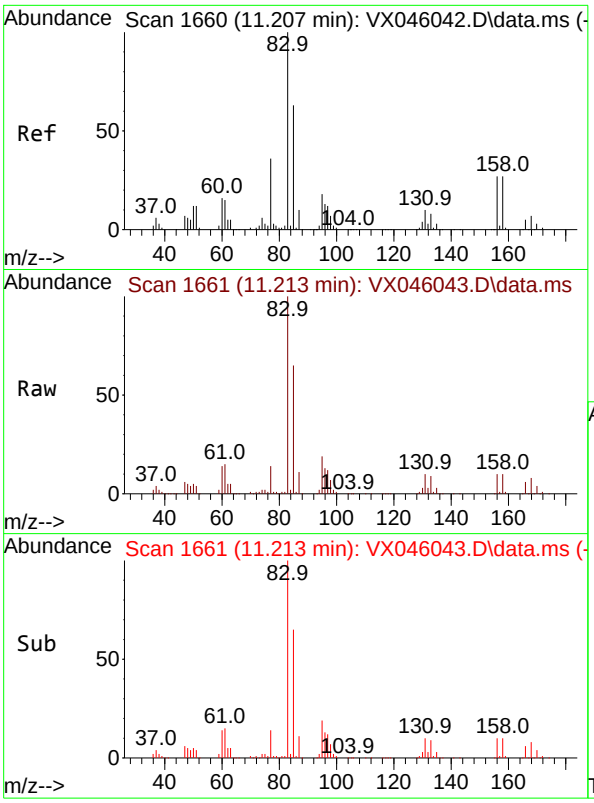




#74
N-amyl acetate
Concen: 76.073 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 274553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.2 | 30.9 | 46.3 |
| 55 | 22.5 | 18.7 | 28.1 |
| 61 | 22.2 | 17.1 | 25.7 |






#75
1,1,2,2-Tetrachloroethane
Concen: 66.207 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

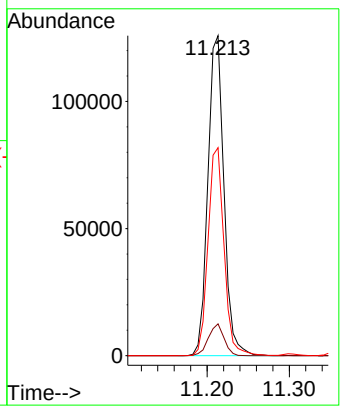
Tgt Ion: 83 Resp: 17048

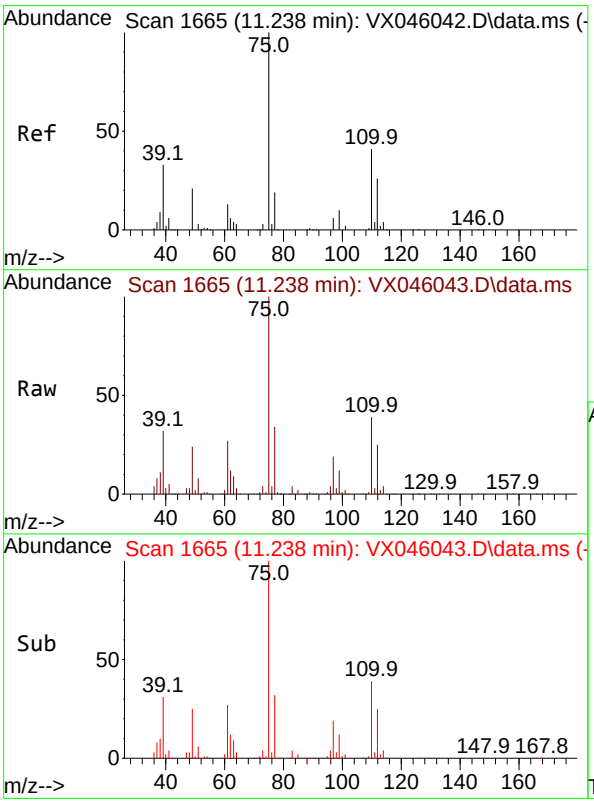
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 5.0 | 14.9 |
| 85 | 64.9 | 31.9 | 95.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

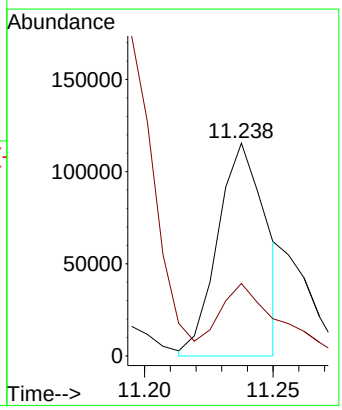


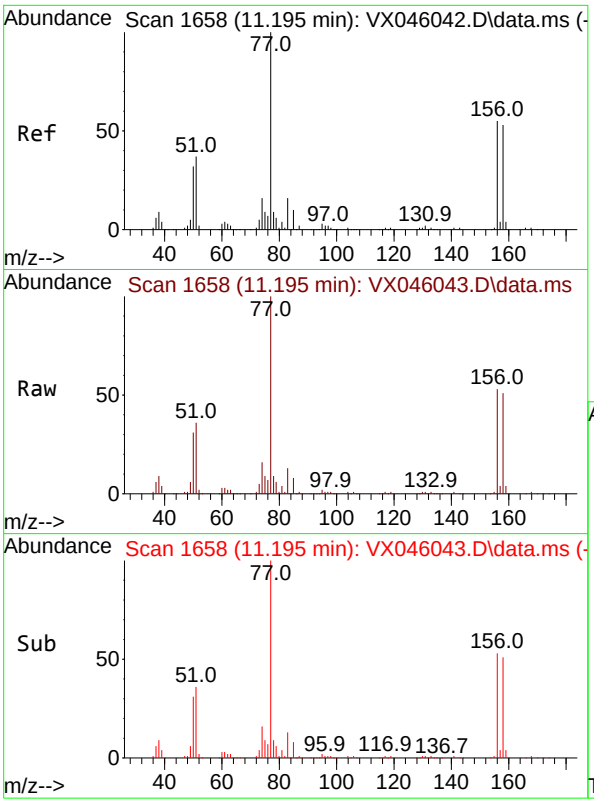




#76
1,2,3-Trichloropropane
Concen: 54.277 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 150182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.2 | 20.5 | 61.5 |






#77
Bromobenzene
Concen: 69.959 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

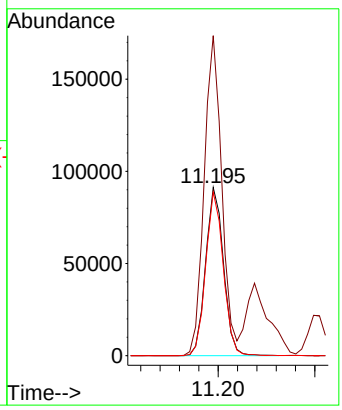
Tgt Ion:156 Resp: 11715

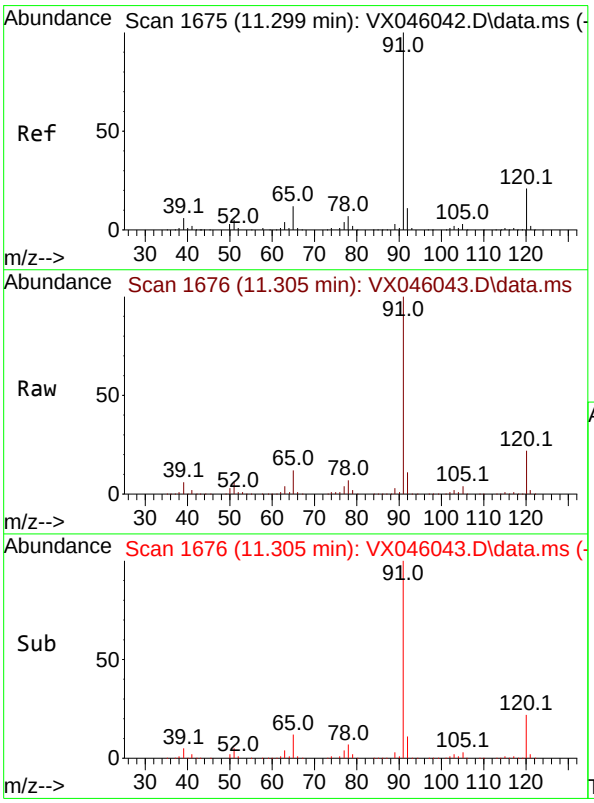
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 187.4 | 92.8 | 278.3 |
| 158 | 96.1 | 48.8 | 146.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

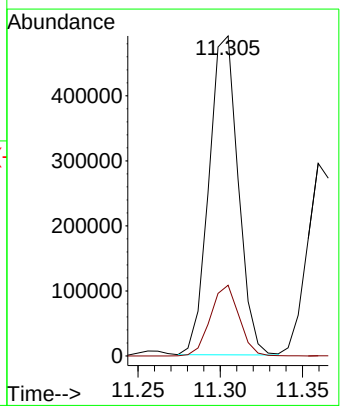


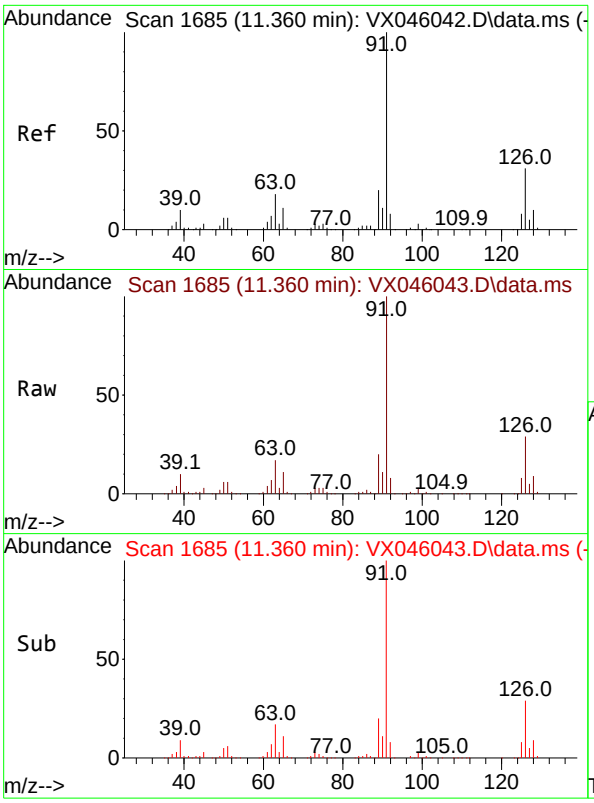




#78
n-propylbenzene
Concen: 74.974 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 608332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.7 | 10.8 | 32.4 |

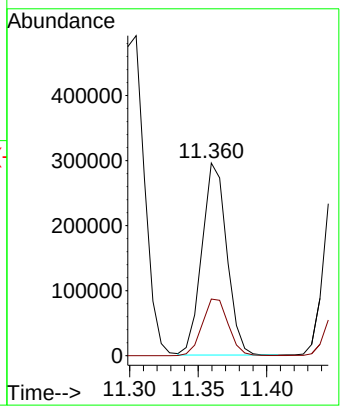





#79
2-Chlorotoluene
Concen: 68.100 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 37239

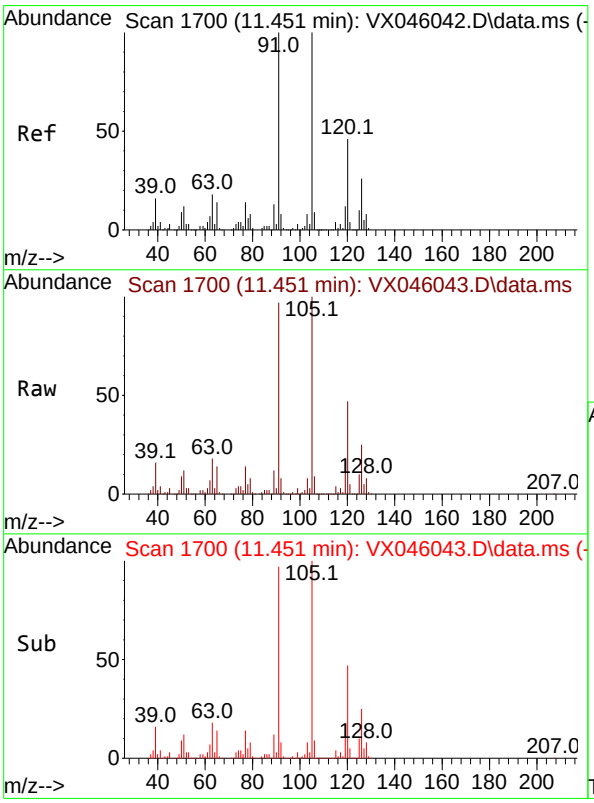
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.9 | 15.6 | 46.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

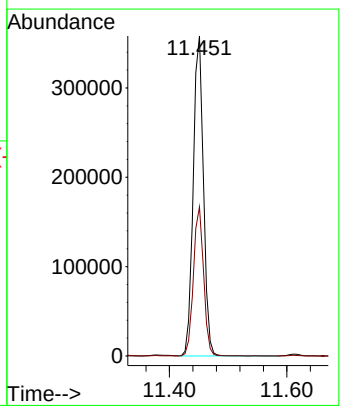
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

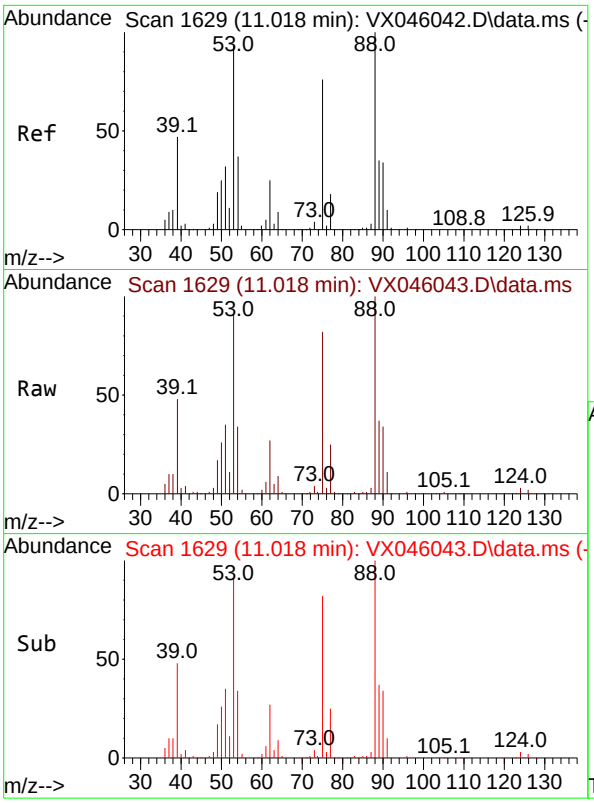



#80
1,3,5-Trimethylbenzene
Concen: 71.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 432096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.3 | 23.1 | 69.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 81.820 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

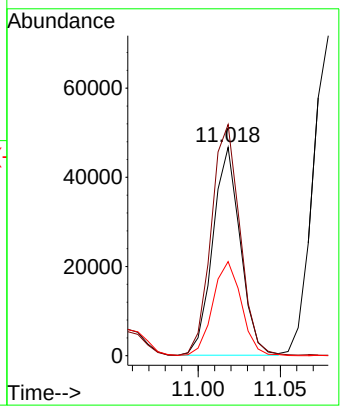
Tgt Ion: 75 Resp: 5439

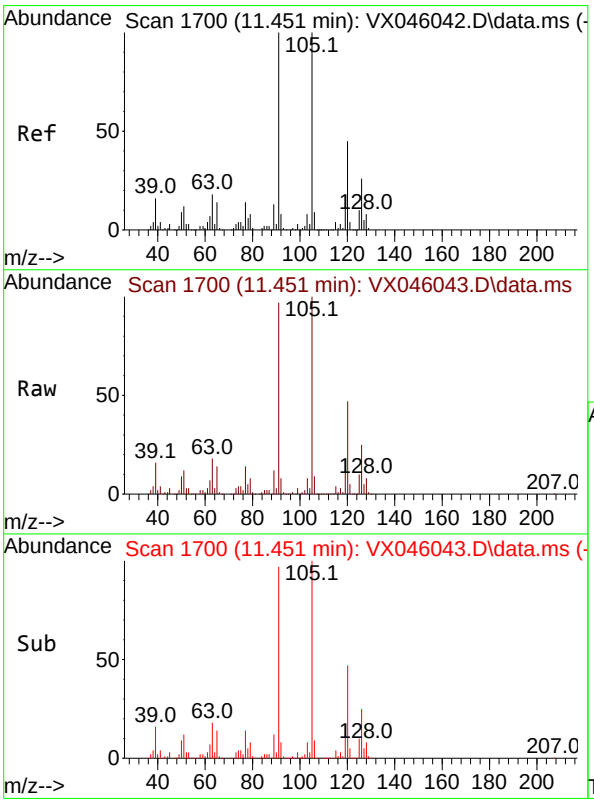
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 115.8 | 100.5 | 150.7 |
| 89 | 47.0 | 37.0 | 55.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

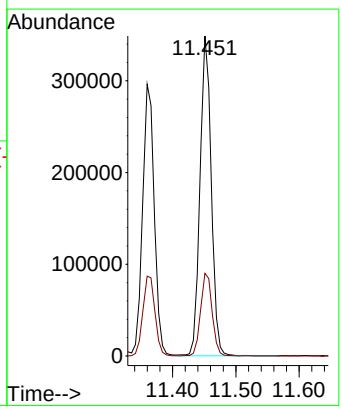


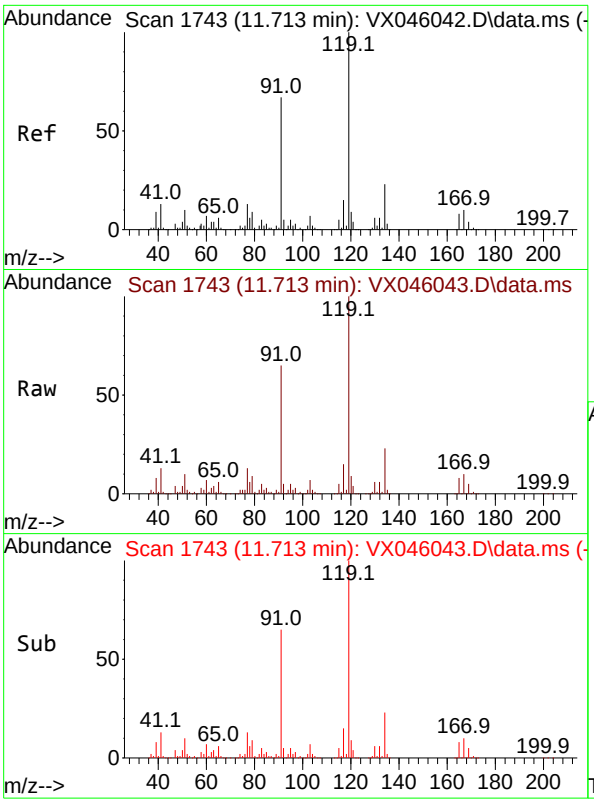




#82
4-Chlorotoluene
Concen: 71.890 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 432053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.5 | 13.3 | 39.8 |

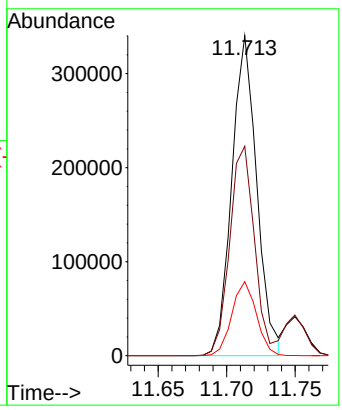





#83
tert-Butylbenzene
Concen: 73.197 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:119 Resp: 43201

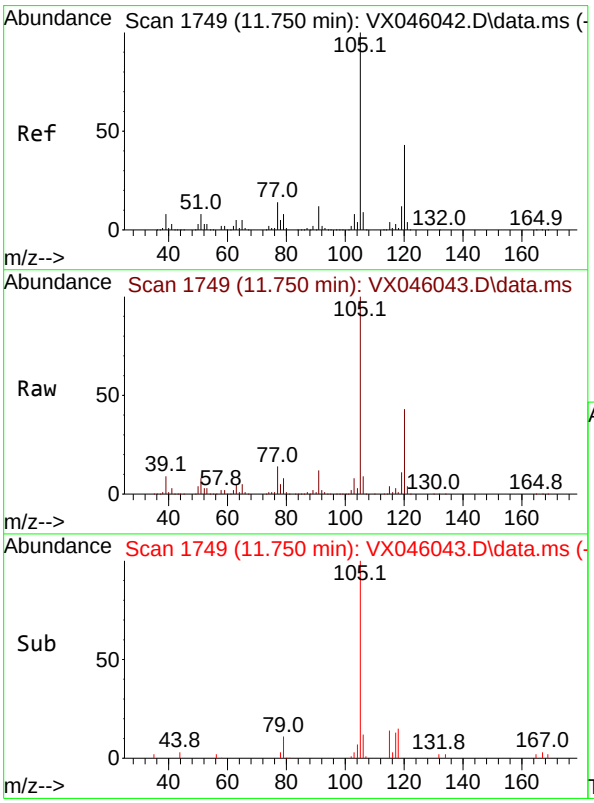
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.4 | 32.9 | 98.7 |
| 134 | 22.8 | 11.4 | 34.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

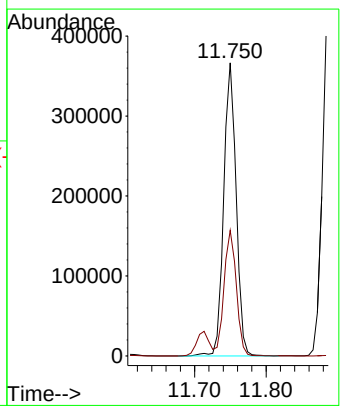
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

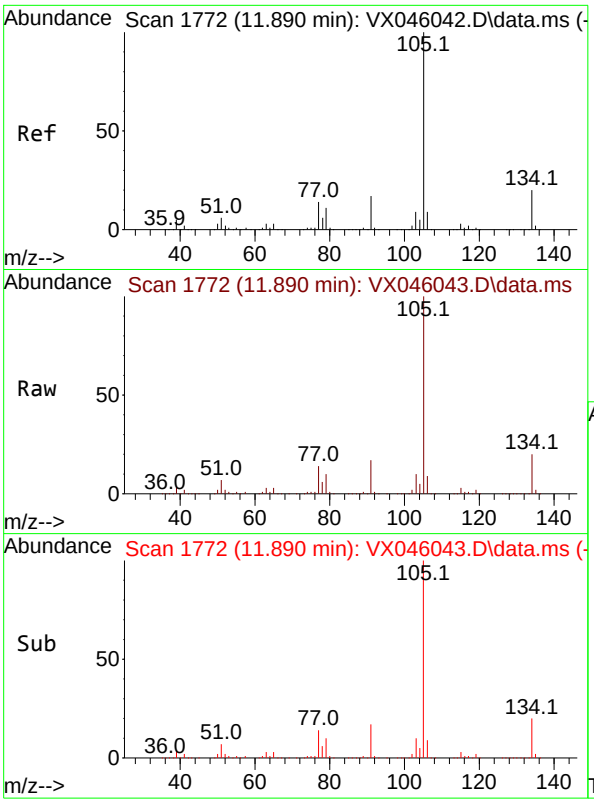



#84
1,2,4-Trimethylbenzene
Concen: 73.758 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 442728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.4 | 21.2 | 63.6 |






#85
sec-Butylbenzene
Concen: 74.188 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

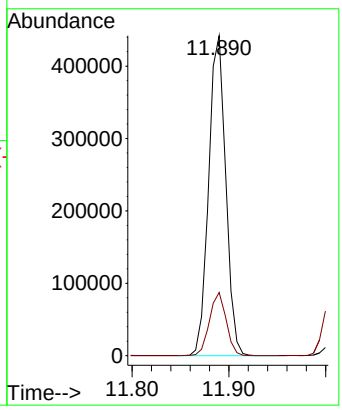
Tgt Ion:105 Resp: 54359

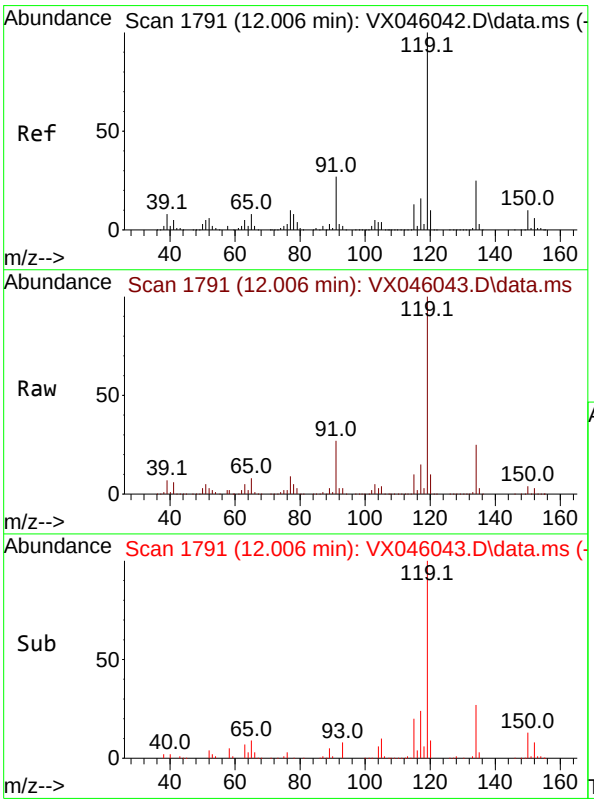
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.7 | 29.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

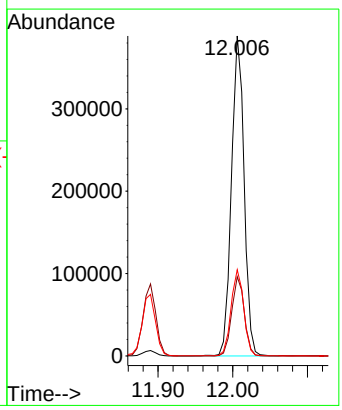


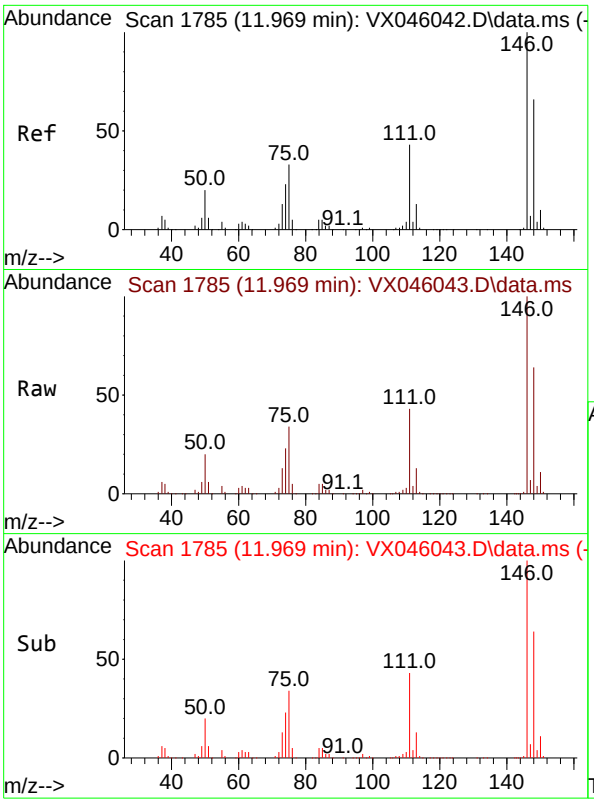




#86
p-Isopropyltoluene
Concen: 77.393 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:119 Resp: 457898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.6 | 12.5 | 37.5 |
| 91 | 26.8 | 13.8 | 41.4 |

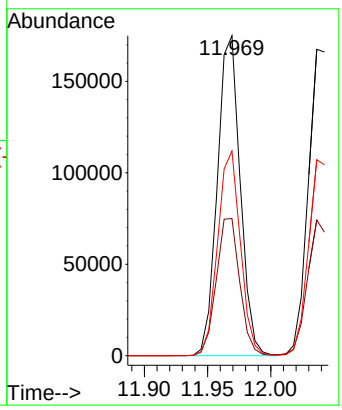





#87
1,3-Dichlorobenzene
Concen: 70.449 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 21975

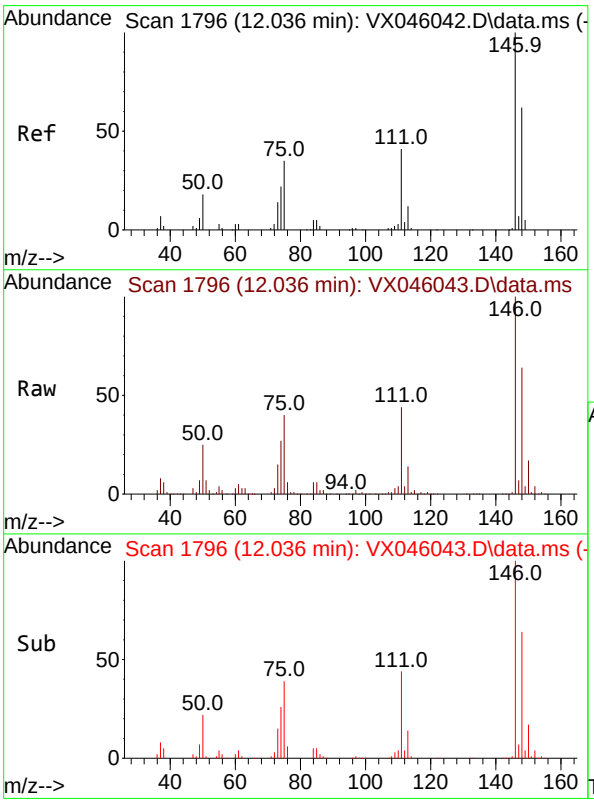
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 22.1 | 66.3 |
| 148 | 63.5 | 32.1 | 96.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

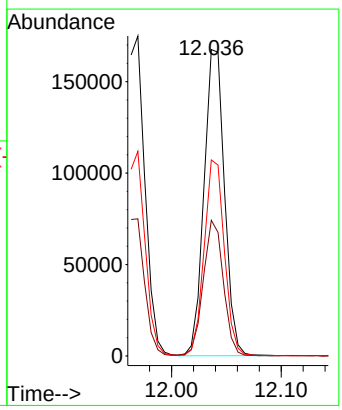
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

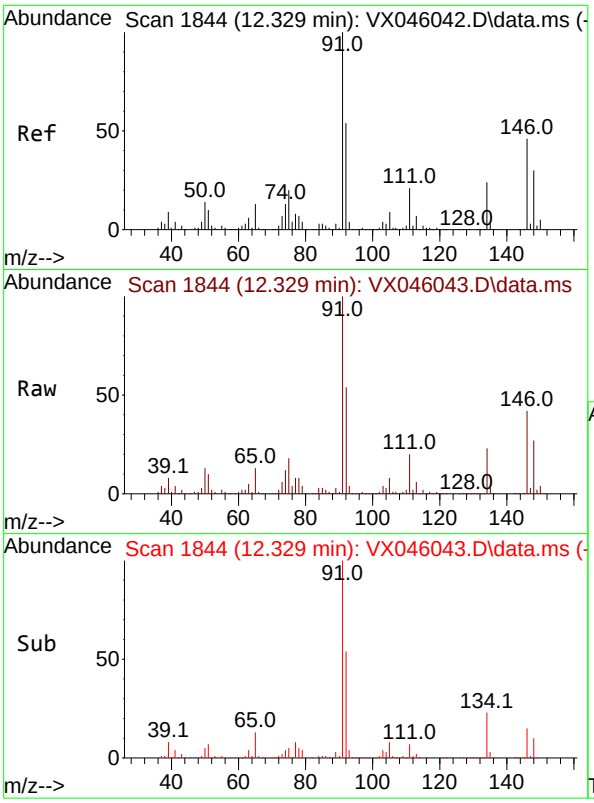



#88
1,4-Dichlorobenzene
Concen: 71.190 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 217613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.3 | 63.9 |
| 148 | 63.2 | 31.9 | 95.5 |






#89
n-Butylbenzene
Concen: 80.996 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

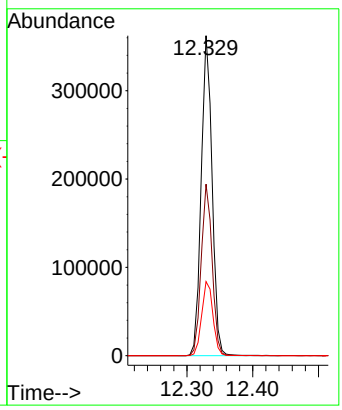
Tgt Ion: 91 Resp: 41660

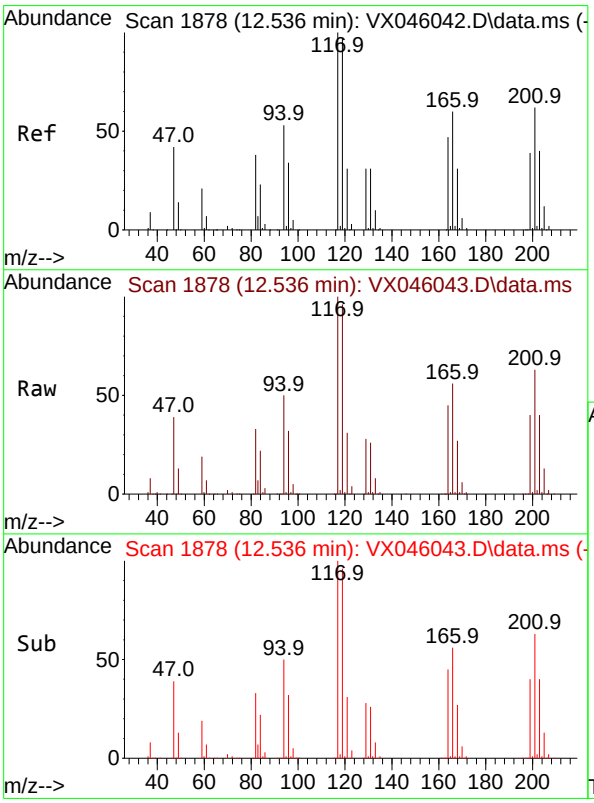
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.0 | 26.9 | 80.7 |
| 134 | 24.0 | 11.8 | 35.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

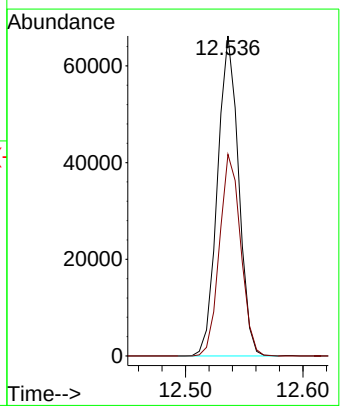


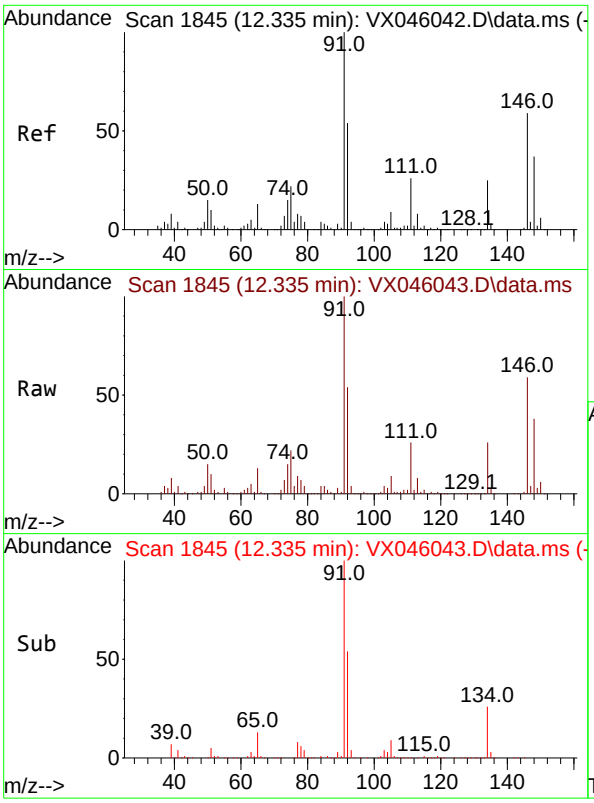




#90
Hexachloroethane
Concen: 74.978 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 82528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.3 | 31.6 | 94.7 |

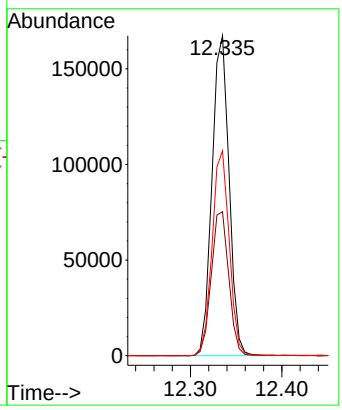





#91
1,2-Dichlorobenzene
Concen: 71.367 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 21683

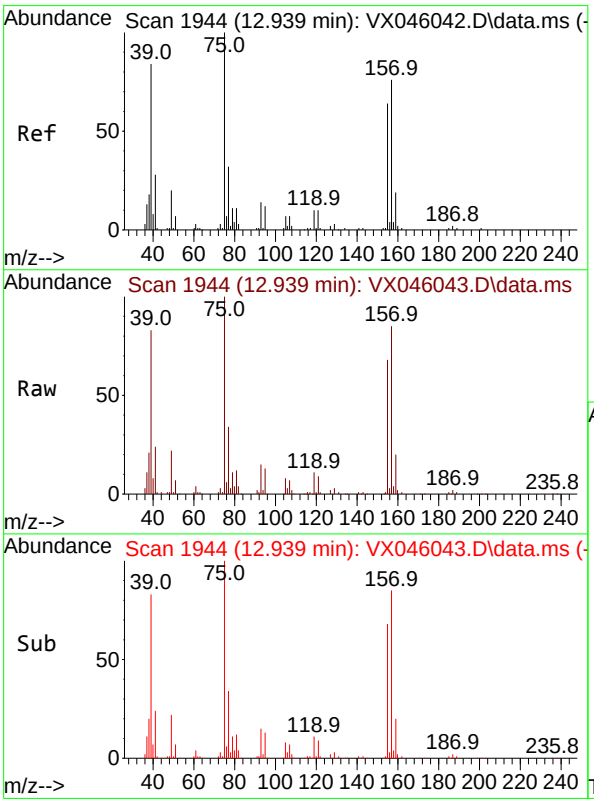
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.2 | 22.4 | 67.3 |
| 148 | 64.0 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

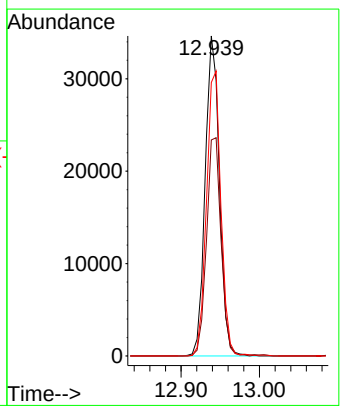
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

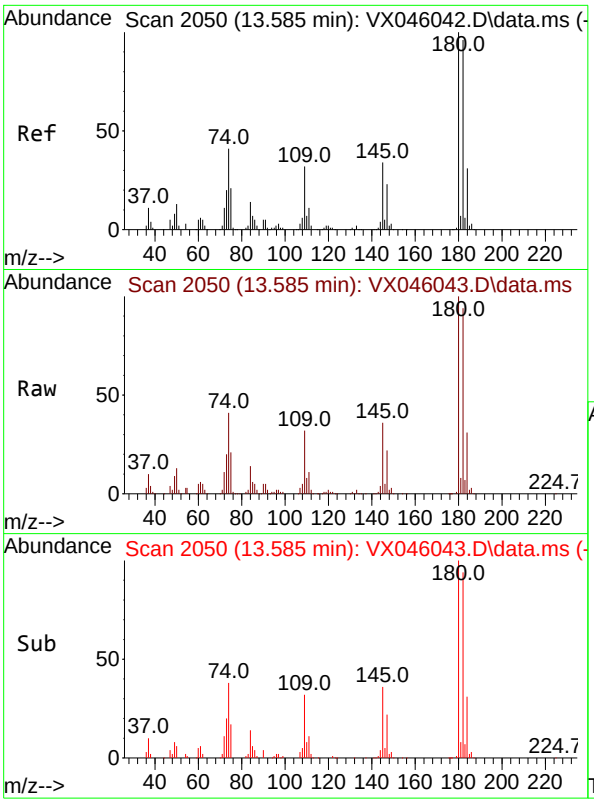



#92
1,2-Dibromo-3-Chloropropane
Concen: 74.512 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 43673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 69.4 | 34.9 | 104.8 |
| 157 | 90.1 | 43.8 | 131.4 |






#93
1,2,4-Trichlorobenzene
Concen: 82.605 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

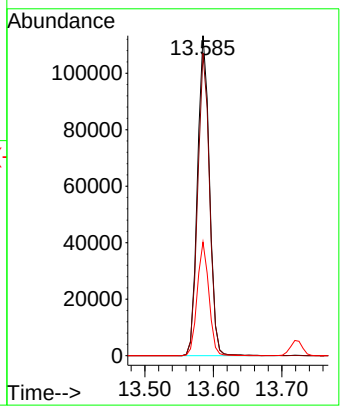
Tgt Ion:180 Resp: 13743

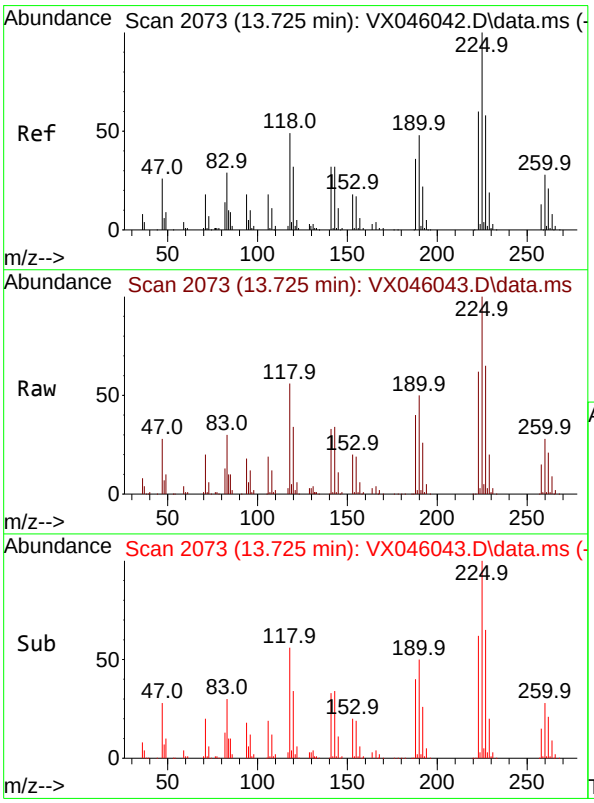
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 47.9 | 143.8 |
| 145 | 34.6 | 17.1 | 51.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

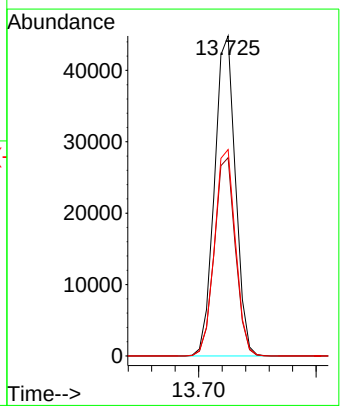


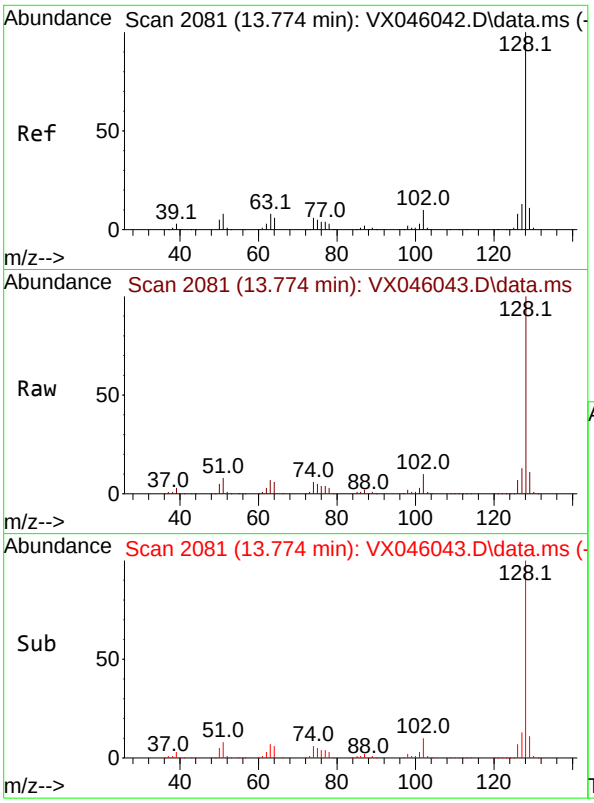




#94
Hexachlorobutadiene
Concen: 71.314 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:225 Resp: 55494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 30.8 | 92.4 |
| 227 | 64.9 | 30.9 | 92.7 |

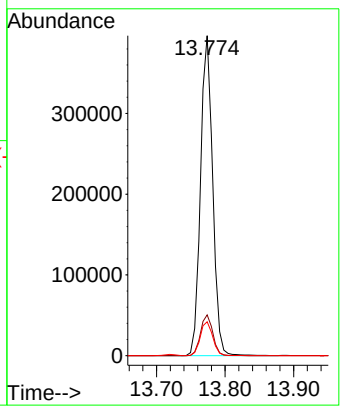





#95
Naphthalene
Concen: 80.842 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:128 Resp: 48977

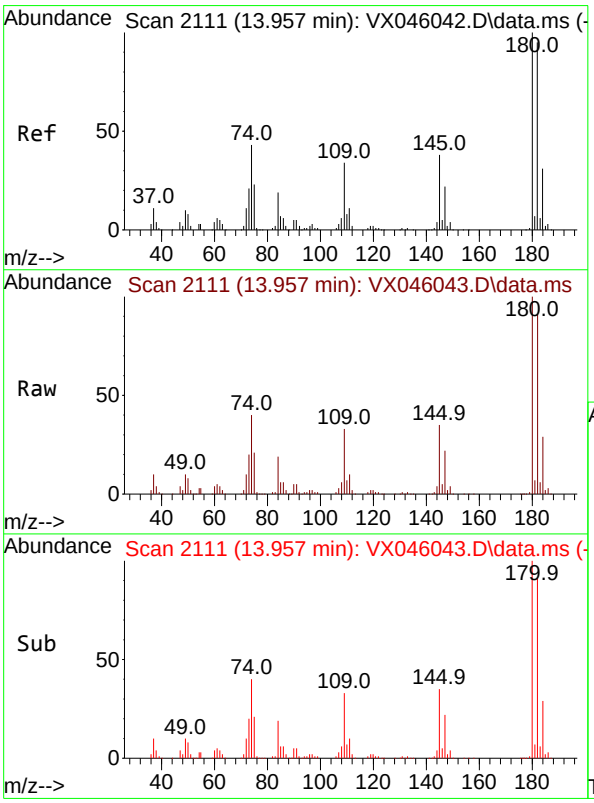
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.4 | 15.6 |
| 129 | 10.9 | 8.6 | 13.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

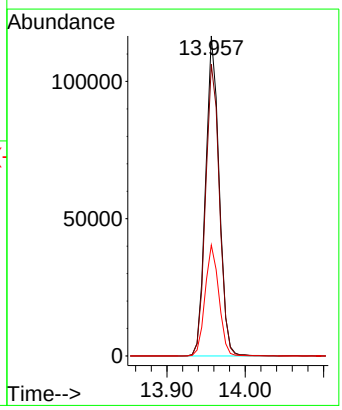
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025




#96
1,2,3-Trichlorobenzene
Concen: 79.981 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:180 Resp: 139525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 47.8 | 143.3 |
| 145 | 35.3 | 18.1 | 54.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 82963 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 144975 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 128557 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 60345 | 50.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 231952 | 93.983 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 187.960%# | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 160168 | 98.562 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 197.120%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 554390 | 101.252 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 202.500%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 217536 | 109.174 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 218.340%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 217793 | 118.929 | ug/l | 98 |
| 3) Chloromethane | 1.307 | 50 | 196843 | 109.161 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 187924 | 118.953 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 83008 | 103.625 | ug/l | 95 |
| 6) Chloroethane | 1.660 | 64 | 78806 | 96.822 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 245108 | 101.851 | ug/l | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 88441 | 111.791 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 161404 | 112.243 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 189843 | 112.441 | ug/l | 100 |
| 11) Tert butyl alcohol | 3.002 | 59 | 181238 | 616.119 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 155451 | 111.039 | ug/l | 99 |
| 13) Acrolein | 2.239 | 56 | 203257 | 594.872 | ug/l | 98 |
| 14) Allyl chloride | 2.654 | 41 | 297776 | 112.561 | ug/l | 98 |
| 15) Acrylonitrile | 3.069 | 53 | 484854 | 550.973 | ug/l | 98 |
| 16) Acetone | 2.392 | 43 | 460820 | 545.754 | ug/l | 98 |
| 17) Carbon Disulfide | 2.502 | 76 | 397353 | 122.499 | ug/l | 100 |
| 18) Methyl Acetate | 2.709 | 43 | 217885 | 108.099 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 557210 | 114.112 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 172035 | 100.579 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 154694 | 108.241 | ug/l | 96 |
| 22) Diisopropyl ether | 3.764 | 45 | 577610 | 116.858 | ug/l | 90 |
| 23) Vinyl Acetate | 3.721 | 43 | 2655751 | 608.005 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 320083 | 110.182 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 708463 | 581.292 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 258698 | 117.548 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 187835 | 108.994 | ug/l | 99 |
| 28) Bromochloromethane | 4.898 | 49 | 146923 | 95.108 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 450456 | 569.081 | ug/l | 99 |
| 30) Chloroform | 5.087 | 83 | 323659 | 107.208 | ug/l | 95 |
| 31) Cyclohexane | 5.458 | 56 | 286312 | 116.934 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 295702 | 113.572 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 219731 | 116.462 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 274312 | 115.889 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 250916 | 115.760 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 286311 | 121.107 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 642178 | 109.813 | ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 151424 | 115.139 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 271992 | 112.492 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 447871 | 123.780 | ug/l | | 100 |
| 44) Trichloroethene | 7.117 | 130 | 157641 | 114.032 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 164505 | 113.217 | ug/l | | 99 |
| 46) Dibromomethane | 7.574 | 93 | 125846 | 109.869 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.818 | 83 | 258326 | 116.365 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.690 | 41 | 231040 | 124.356 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 82800 | 2241.695 | ug/l | | 98 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 1371275 | 577.831 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 393323 | 113.430 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 257233 | 138.001 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 271054 | 124.658 | ug/l | | 95 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 154932 | 110.551 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 277921 | 127.968 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 272814 | 109.813 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 680608 | 697.344 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 1028597 | 571.094 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 187497 | 122.915 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 165634 | 115.087 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.269 | 164 | 132488 | 100.918 | ug/l | | 96 |
| 65) Chlorobenzene | 10.080 | 112 | 429656 | 108.615 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 152173 | 115.333 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 785121 | 116.421 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 570913 | 234.349 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 279906 | 113.990 | ug/l | | 99 |
| 70) Styrene | 10.653 | 104 | 474254 | 120.694 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 125986 | 127.128 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 752337 | 114.312 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 396877 | 120.944 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 243532 | 104.018 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 213744m | 84.960 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 167934 | 110.297 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 881218 | 119.448 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 534560 | 107.514 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 616477 | 112.825 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 81372 | 134.609 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 611736 | 111.948 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 617473 | 115.065 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 623456 | 114.236 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 786293 | 118.023 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 651531 | 121.113 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 313100 | 110.394 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 311752 | 112.167 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 605783 | 129.533 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 123188 | 123.091 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 308039 | 111.506 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 64438 | 120.915 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 203255 | 134.366 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 80558 | 113.857 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 721236 | 130.929 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 200379 | 126.331 | ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

ICAL Form

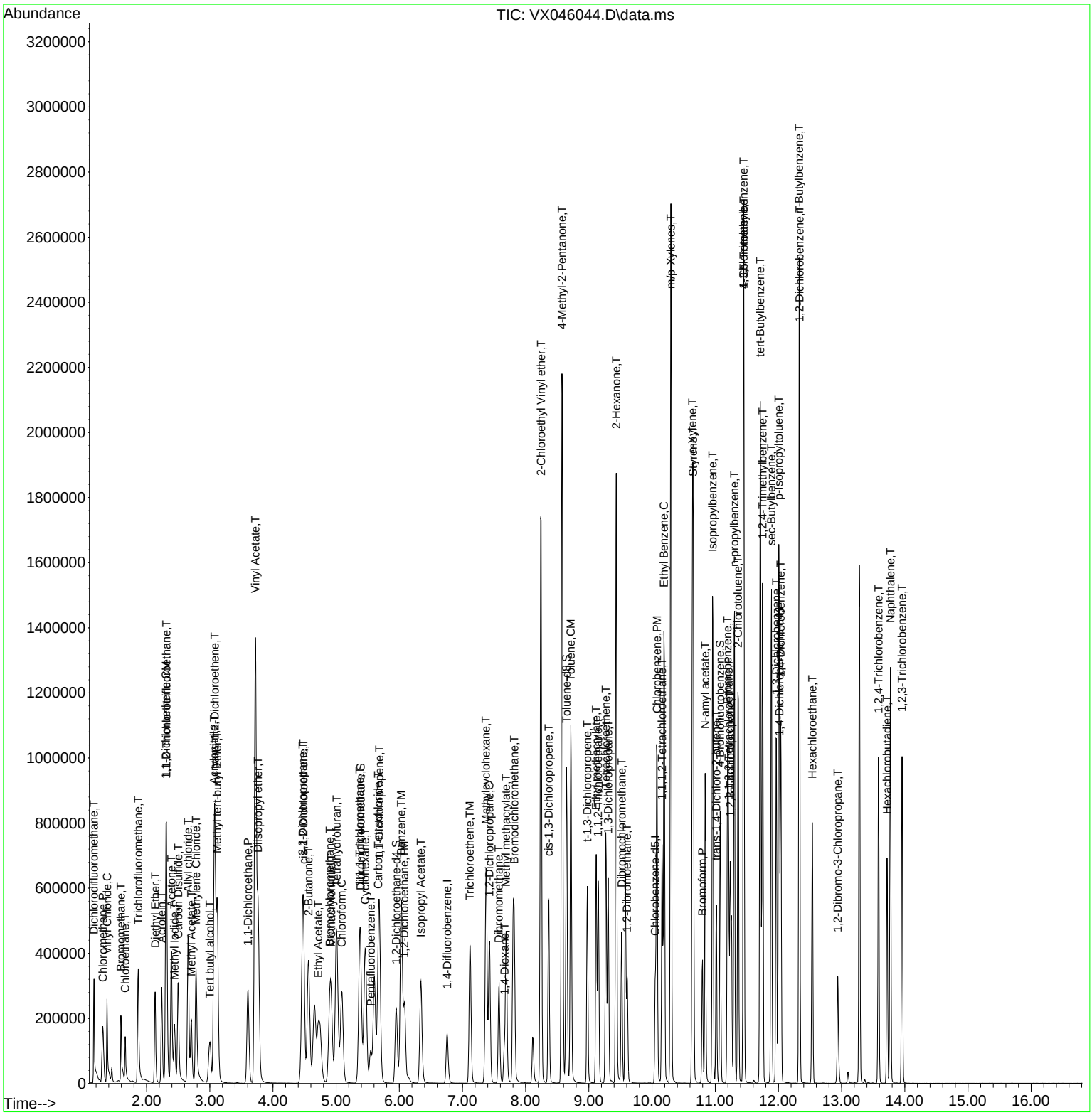
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

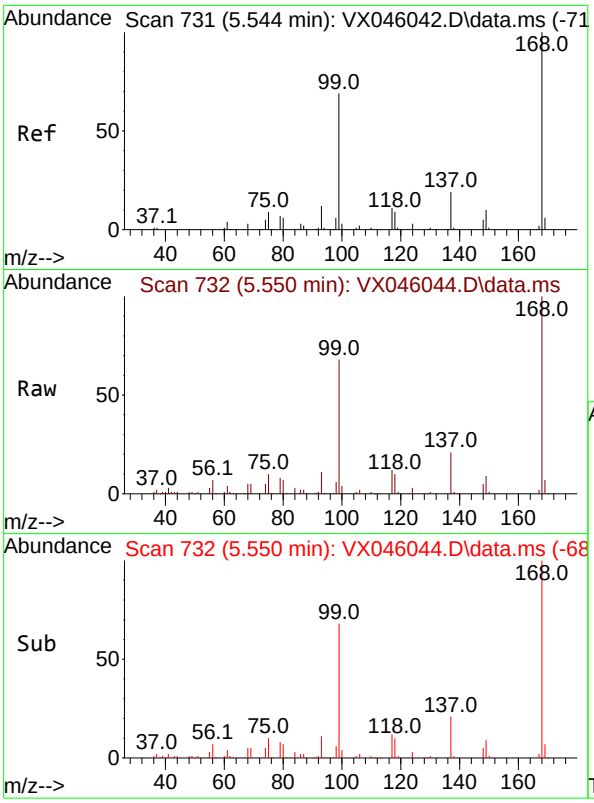
Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

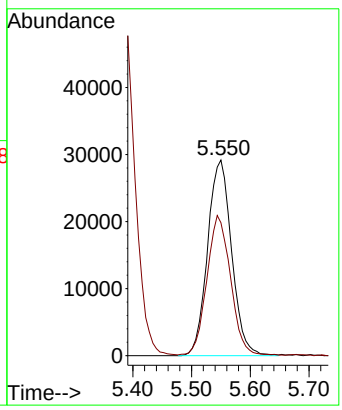





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:168 Resp: 8296

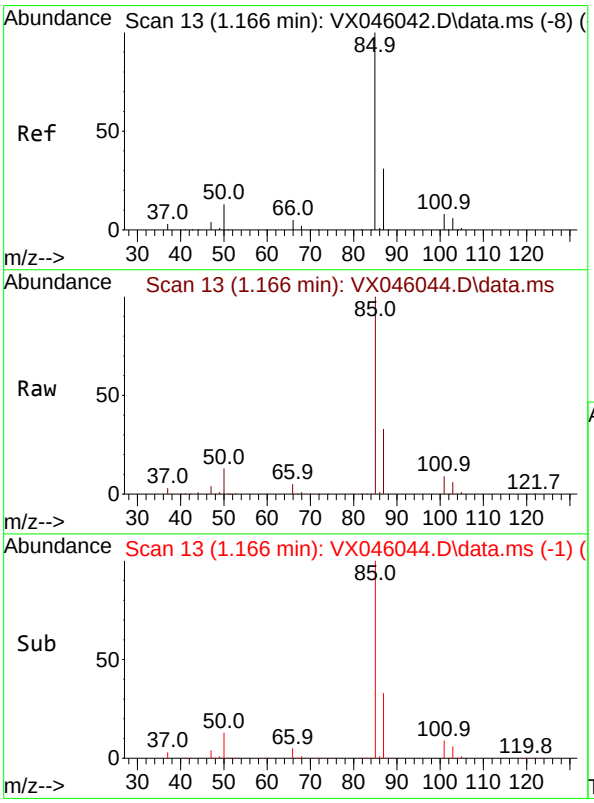
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.6 | 54.9 | 82.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

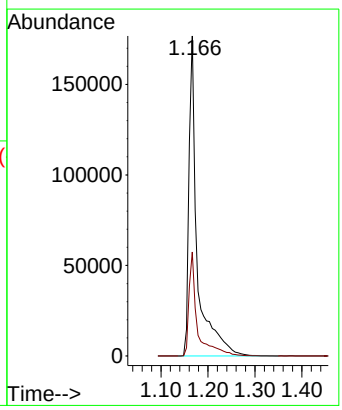
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

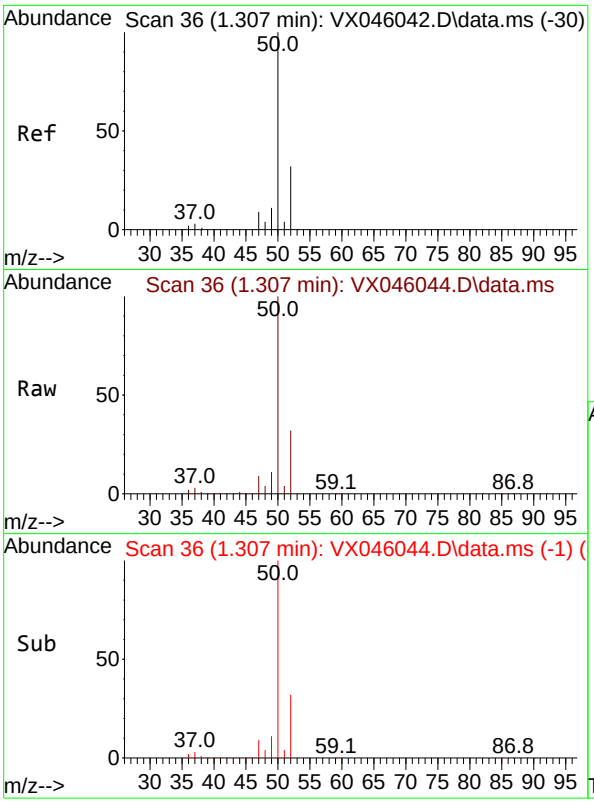



#2
Dichlorodifluoromethane
Concen: 118.929 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 85 Resp: 217793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 15.7 | 47.1 |






#3
Chloromethane
Concen: 109.161 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

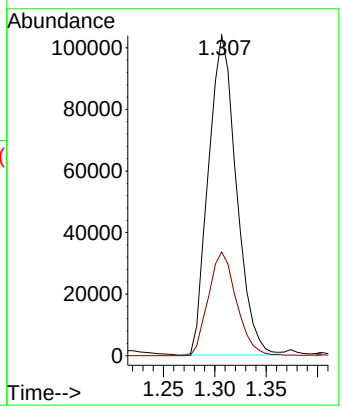
Tgt Ion: 50 Resp: 19684

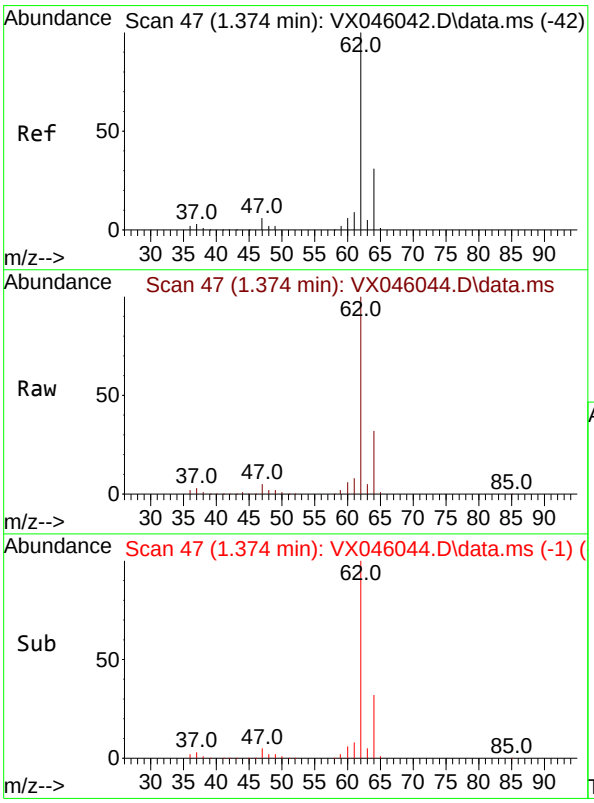
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 25.4 | 38.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

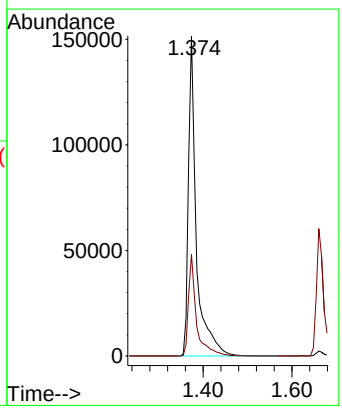


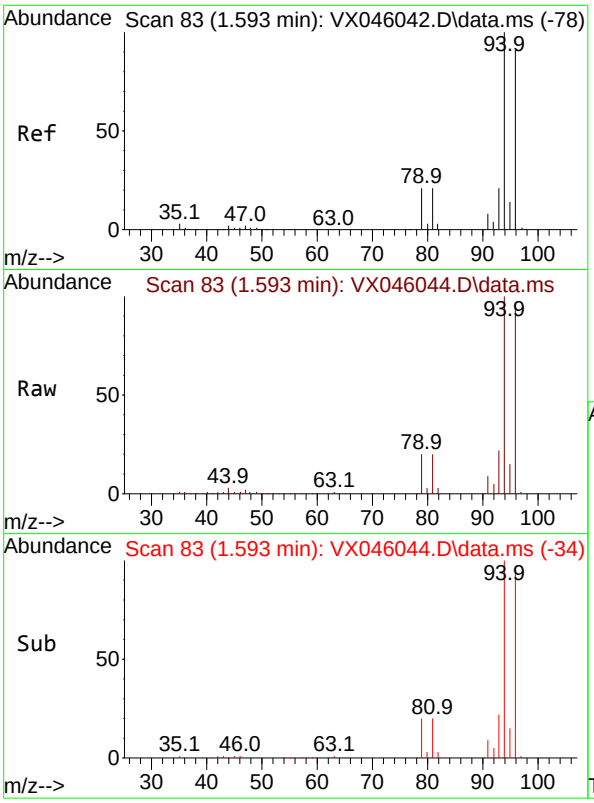




#4
Vinyl Chloride
Concen: 118.953 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 187924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 25.2 | 37.8 |

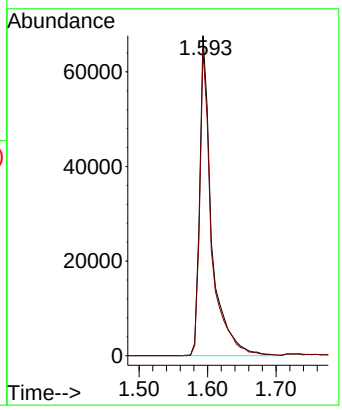





#5
Bromomethane
Concen: 103.625 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 94 Resp: 8300

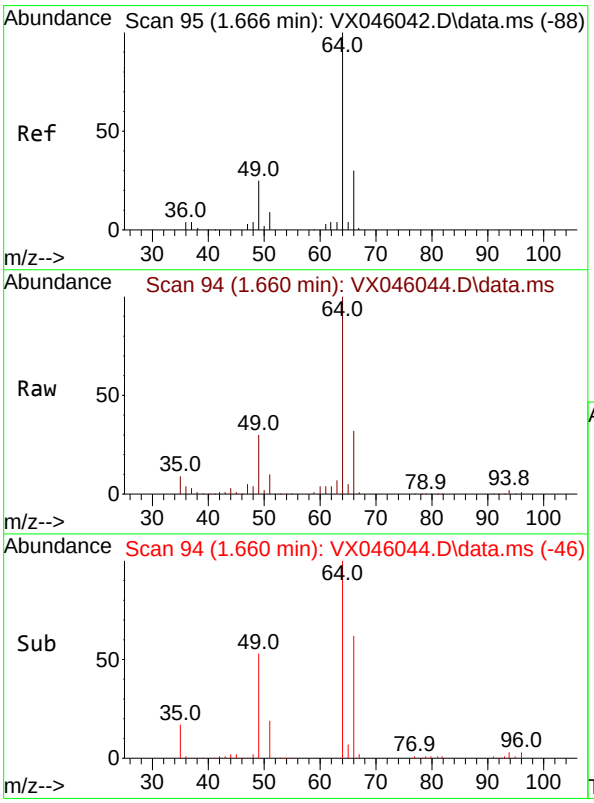
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.8 | 72.8 | 109.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

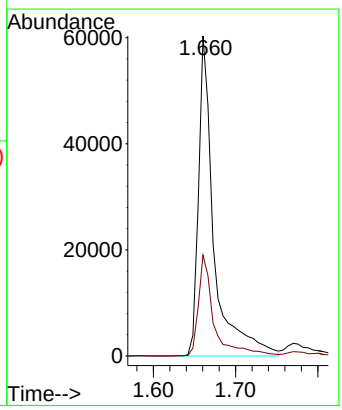
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

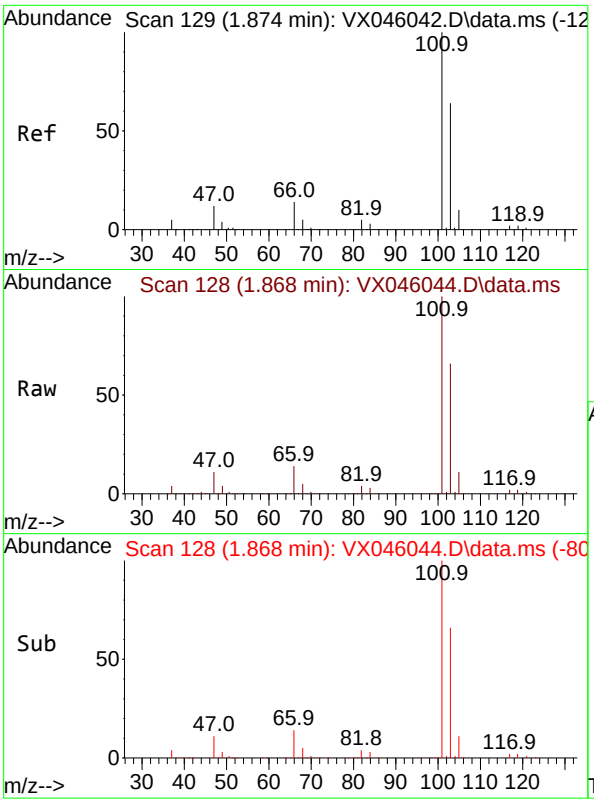



#6
Chloroethane
Concen: 96.822 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 64 Resp: 78806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.3 | 24.3 | 36.5 |

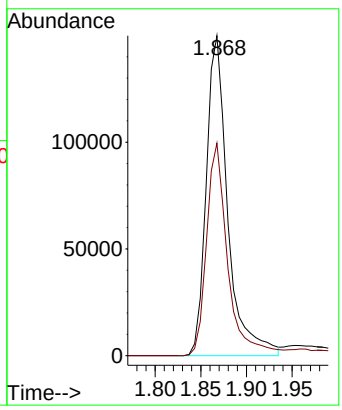





#7
Trichlorofluoromethane
Concen: 101.851 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:101 Resp: 24510

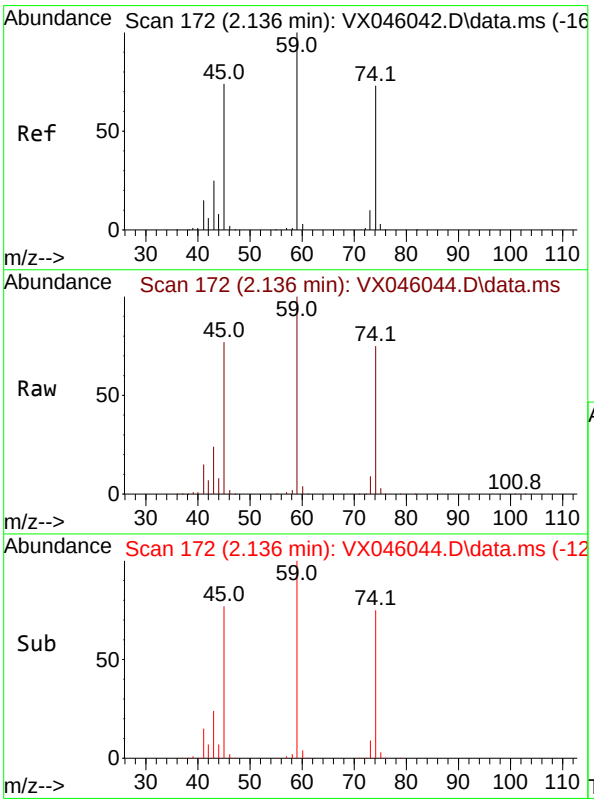
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.4 | 51.0 | 76.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

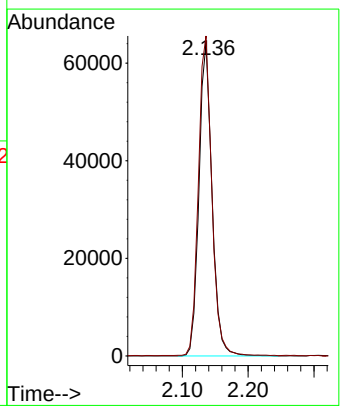
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

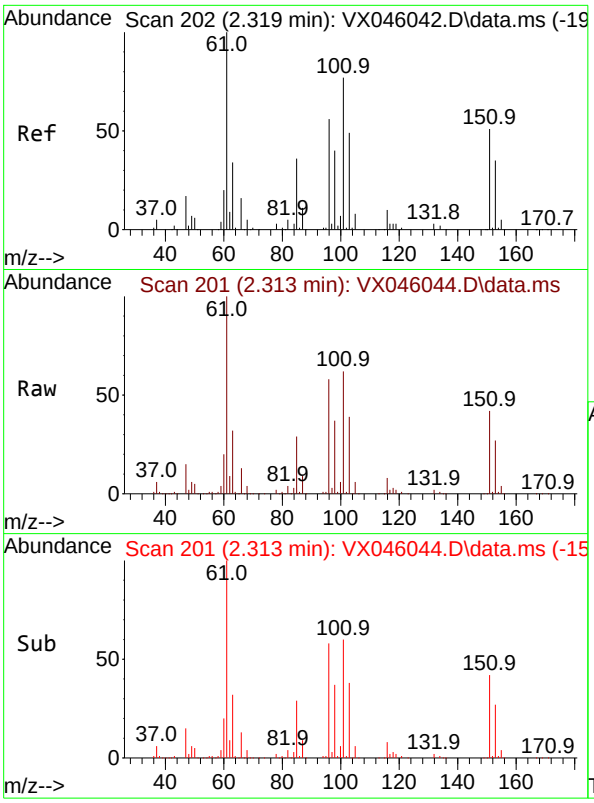



#8
Diethyl Ether
Concen: 111.791 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 74 Resp: 88441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.7 | 54.9 | 164.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 112.243 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

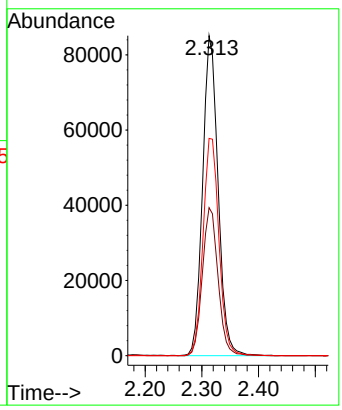
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

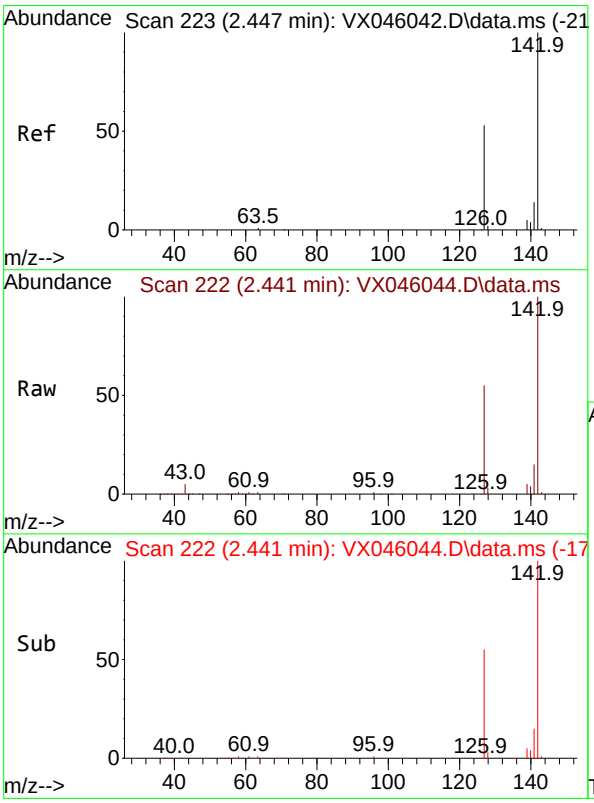
Tgt Ion:101 Resp: 16140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.8 | 38.6 | 58.0 |
| 151 | 69.8 | 55.2 | 82.8 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

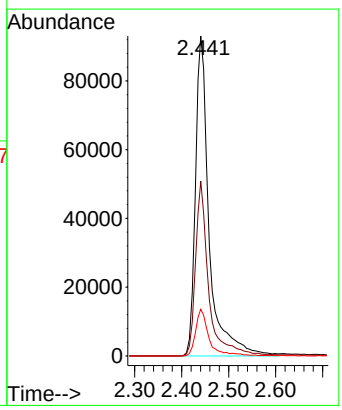


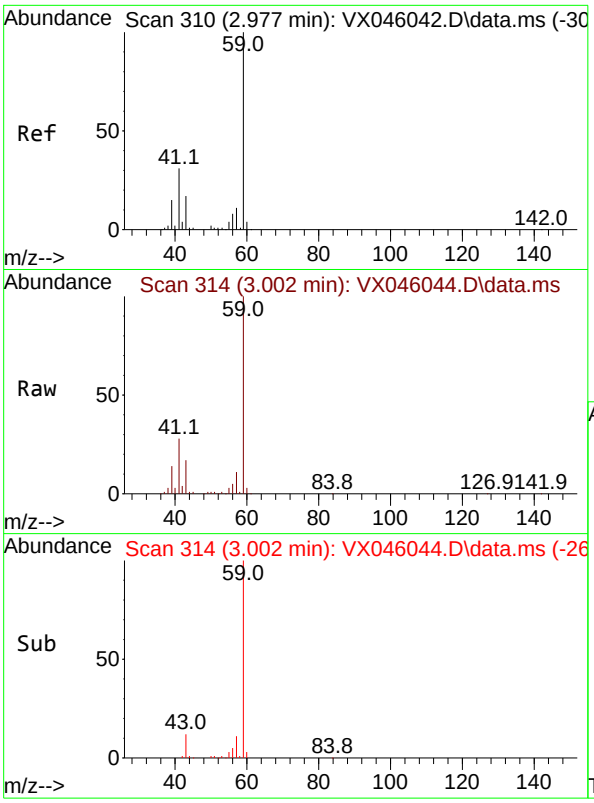




#10
Methyl Iodide
Concen: 112.441 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:142 Resp: 189843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.4 | 41.7 | 62.5 |
| 141 | 14.4 | 11.5 | 17.3 |

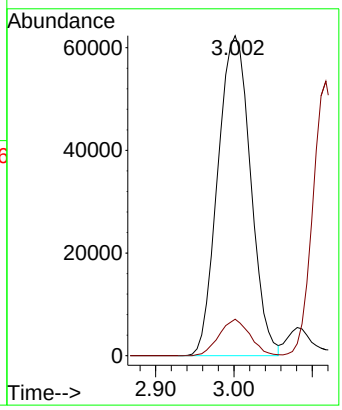





#11
Tert butyl alcohol
Concen: 616.119 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.024 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 59 Resp: 18123

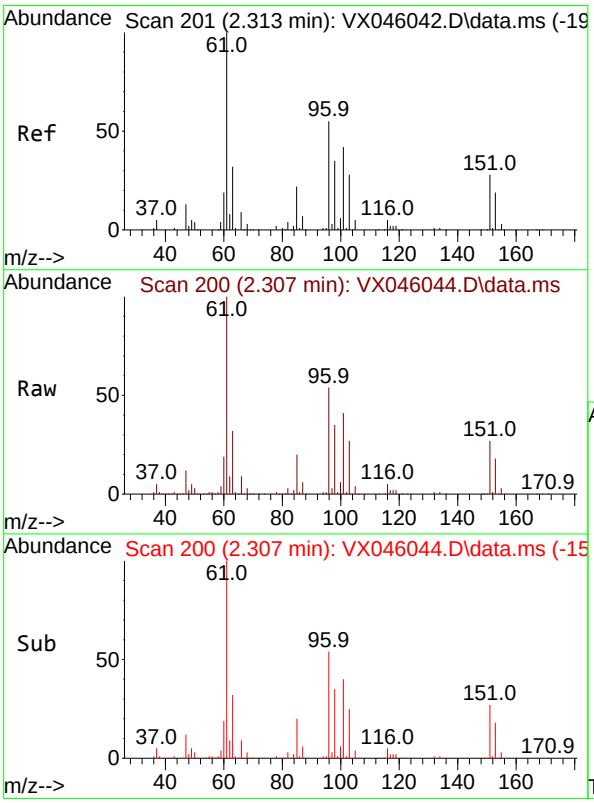
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.8 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

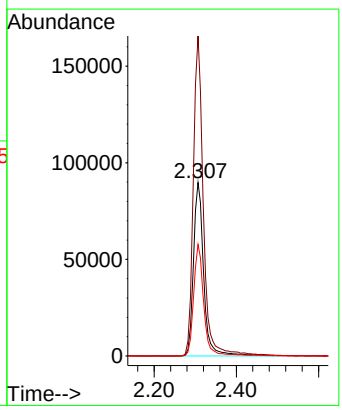
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

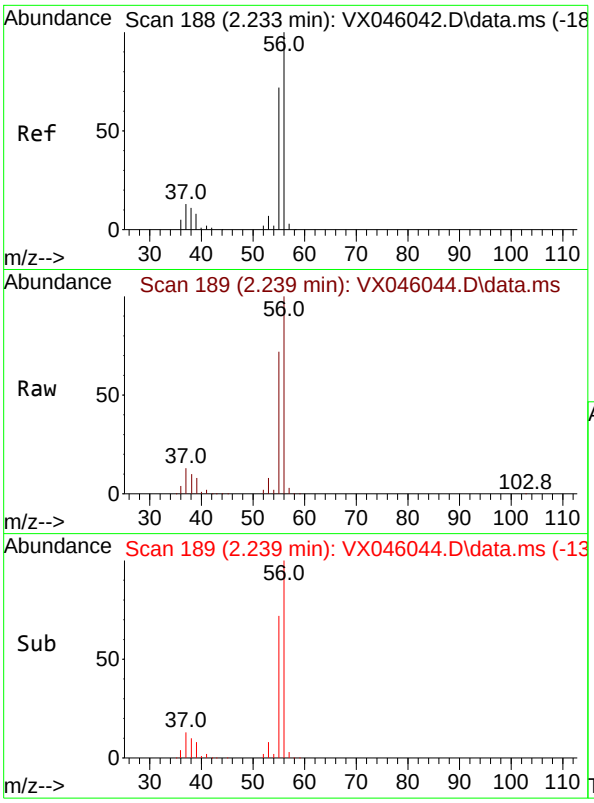



#12
1,1-Dichloroethene
Concen: 111.039 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 96 Resp: 155451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 184.5 | 146.2 | 219.2 |
| 98 | 64.3 | 51.0 | 76.6 |

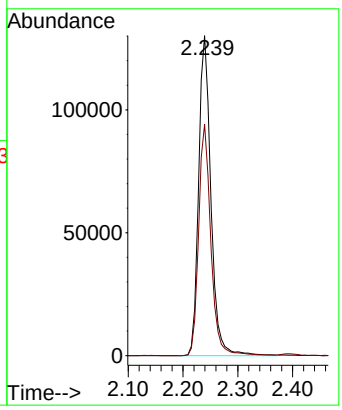





#13
Acrolein
Concen: 594.872 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 56 Resp: 20325

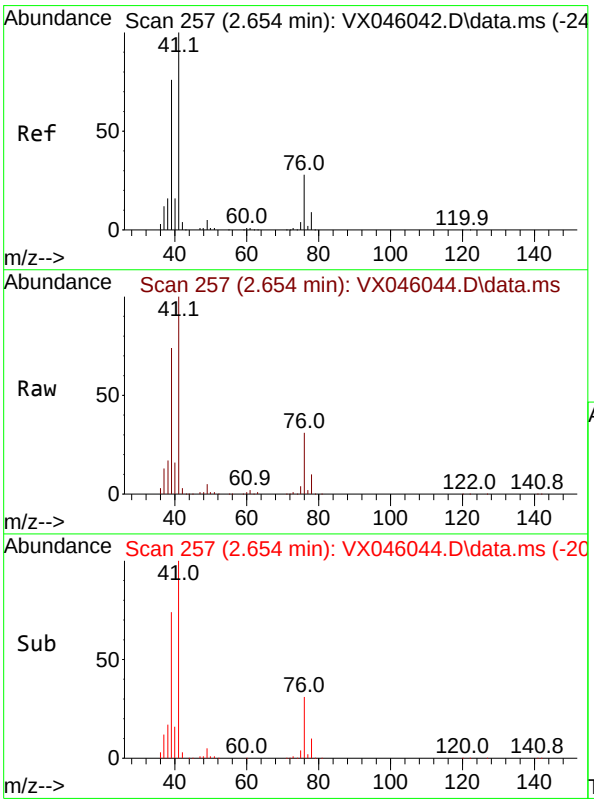
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.1 | 56.2 | 84.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

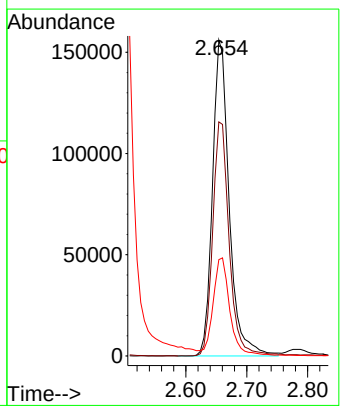
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

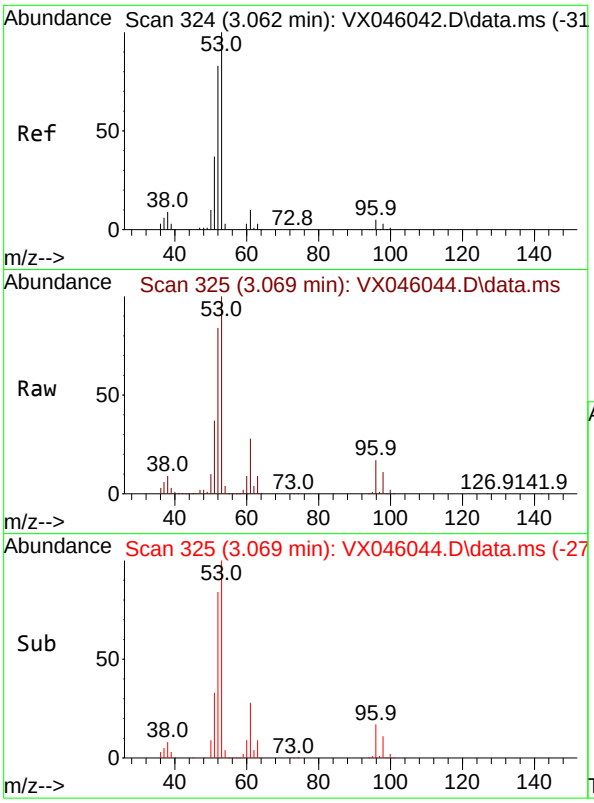



#14
Allyl chloride
Concen: 112.561 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 297776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.7 | 60.6 | 90.8 |
| 76 | 31.8 | 24.9 | 37.3 |






#15
Acrylonitrile
Concen: 550.973 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

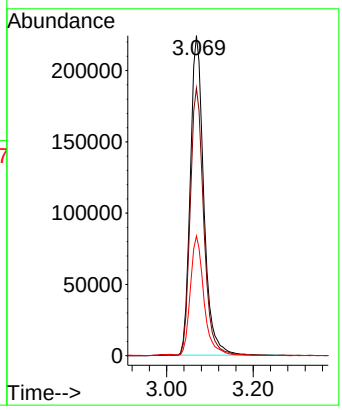
Tgt Ion: 53 Resp: 48485

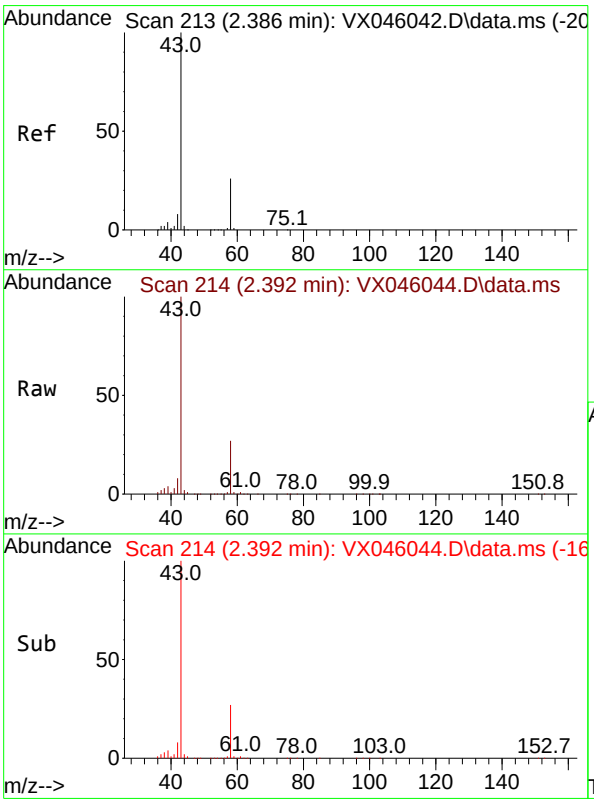
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.2 | 65.3 | 97.9 |
| 51 | 37.5 | 29.8 | 44.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

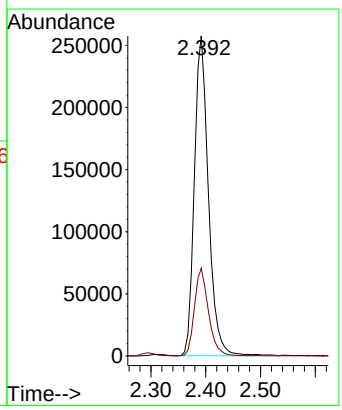


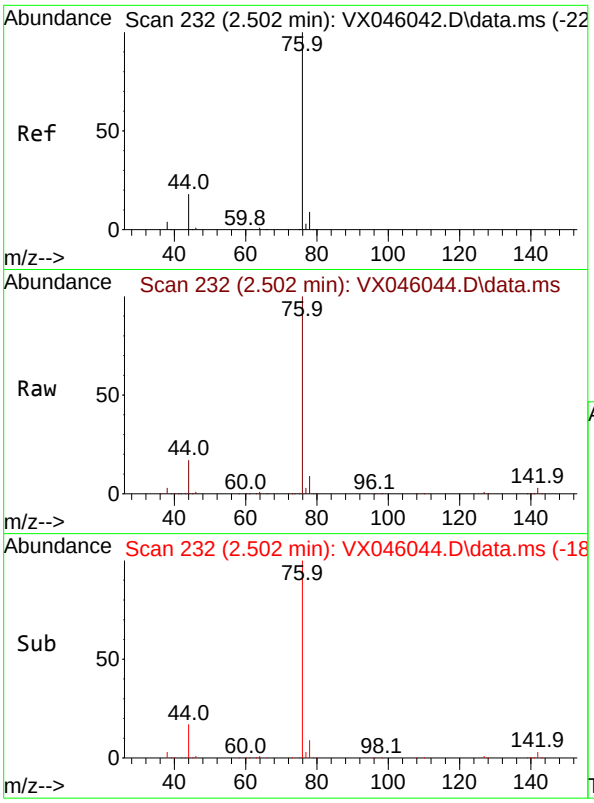




#16
Acetone
Concen: 545.754 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 460820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.3 | 21.2 | 31.8 |






#17
Carbon Disulfide
Concen: 122.499 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

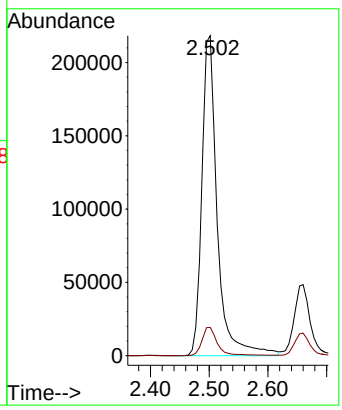
Tgt Ion: 76 Resp: 39735

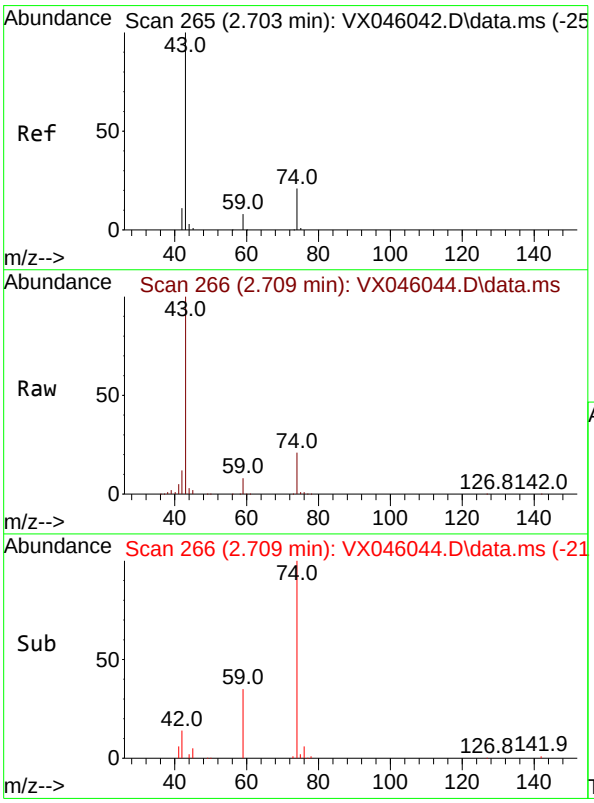
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.0 | 10.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

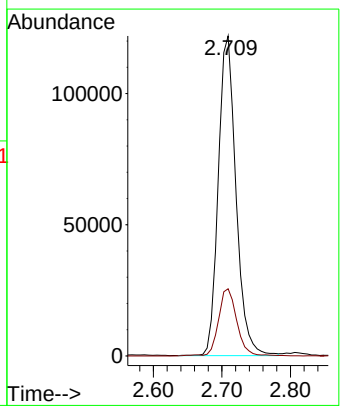


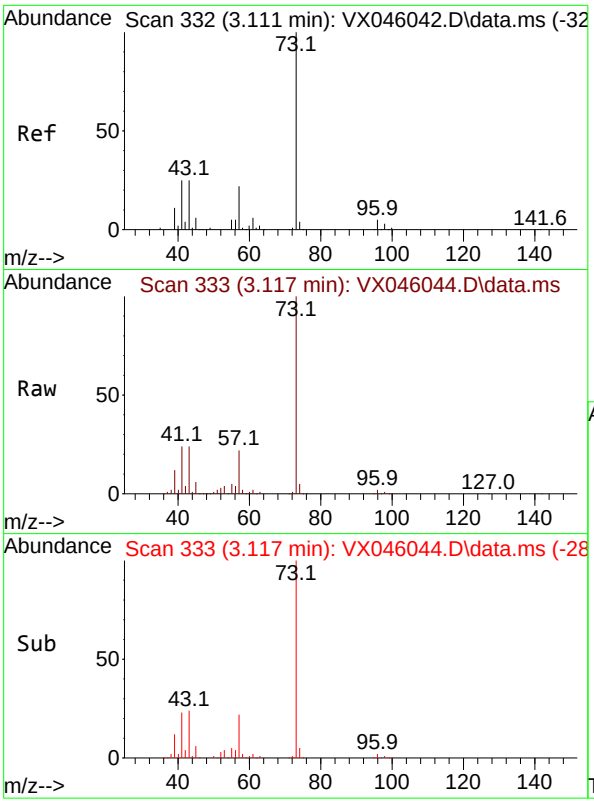




#18
Methyl Acetate
Concen: 108.099 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 217885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.9 | 16.7 | 25.1 |

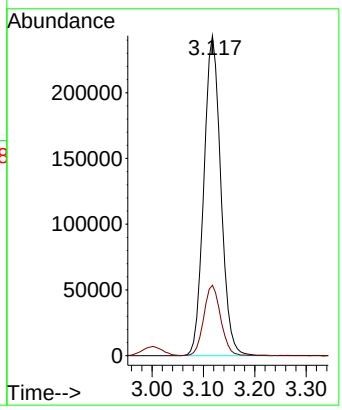





#19
Methyl tert-butyl Ether
Concen: 114.112 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 73 Resp: 55721

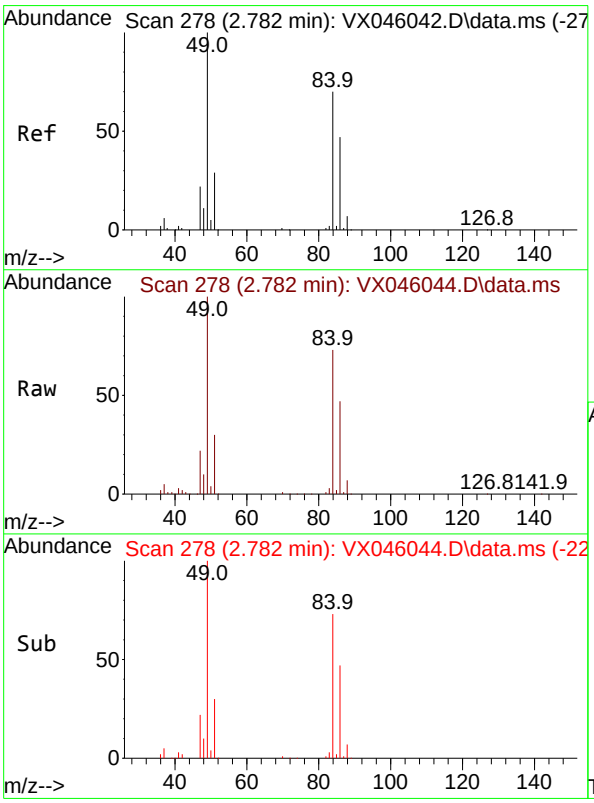
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.0 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

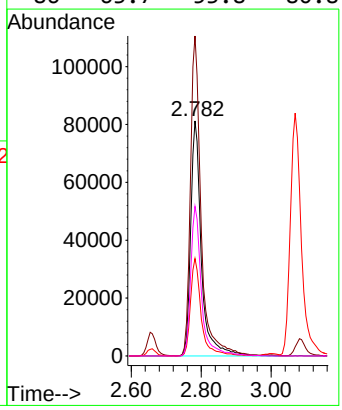
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

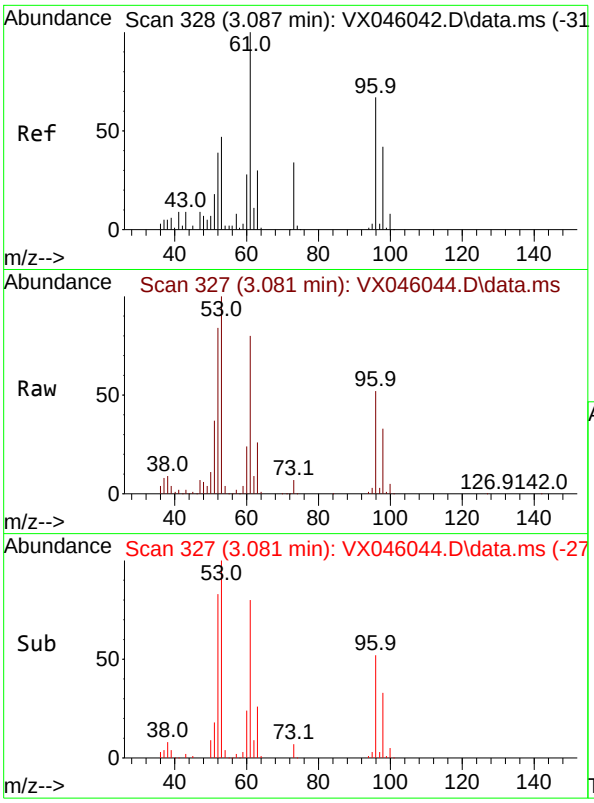



#20
Methylene Chloride
Concen: 100.579 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 84 Resp: 172035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 136.0 | 113.9 | 170.9 |
| 51 | 41.5 | 33.5 | 50.3 |
| 86 | 63.7 | 53.8 | 80.8 |

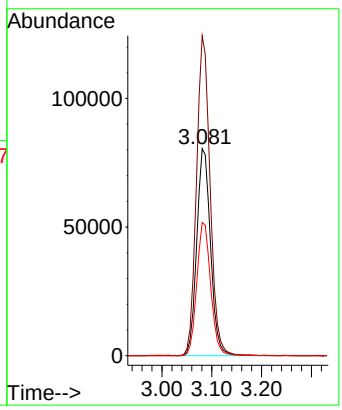





#21
trans-1,2-Dichloroethene
Concen: 108.241 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 96 Resp: 15469

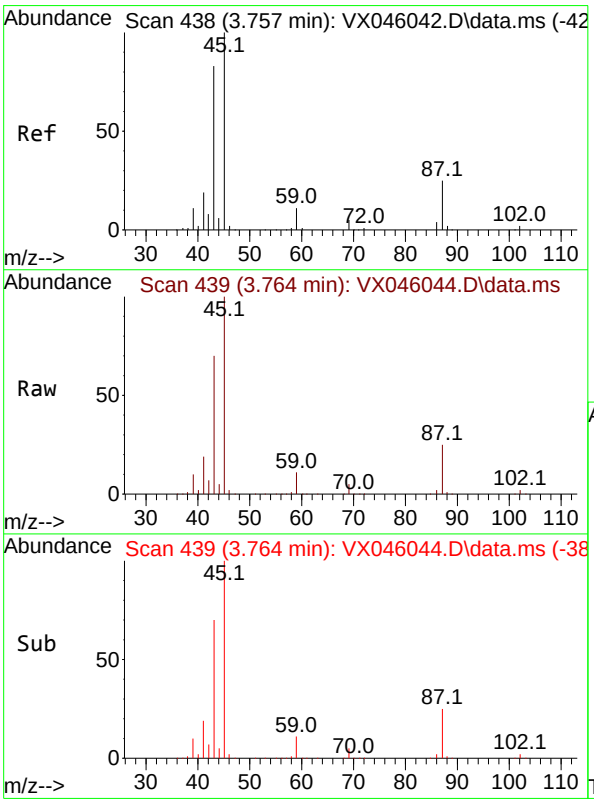
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.6 | 119.5 | 179.3 |
| 98 | 64.3 | 50.0 | 75.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

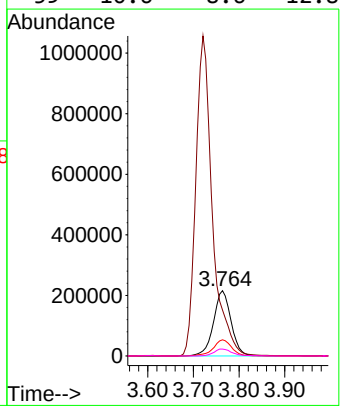
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

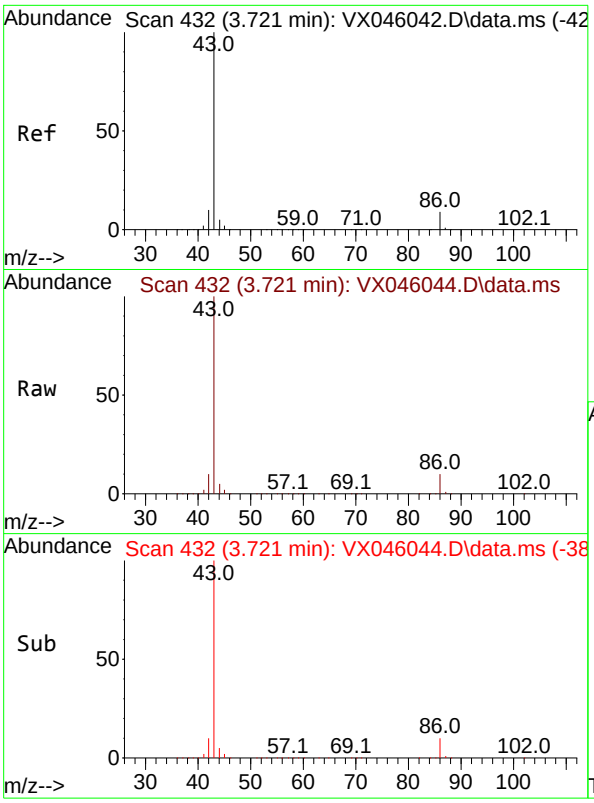



#22
Diisopropyl ether
Concen: 116.858 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 45 Resp: 577610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 70.3 | 66.6 | 100.0 |
| 87 | 24.7 | 19.8 | 29.6 |
| 59 | 10.6 | 8.6 | 12.8 |

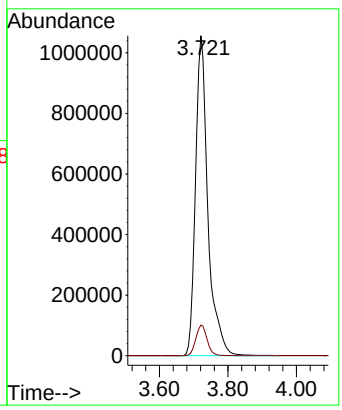





#23
Vinyl Acetate
Concen: 608.005 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 265575

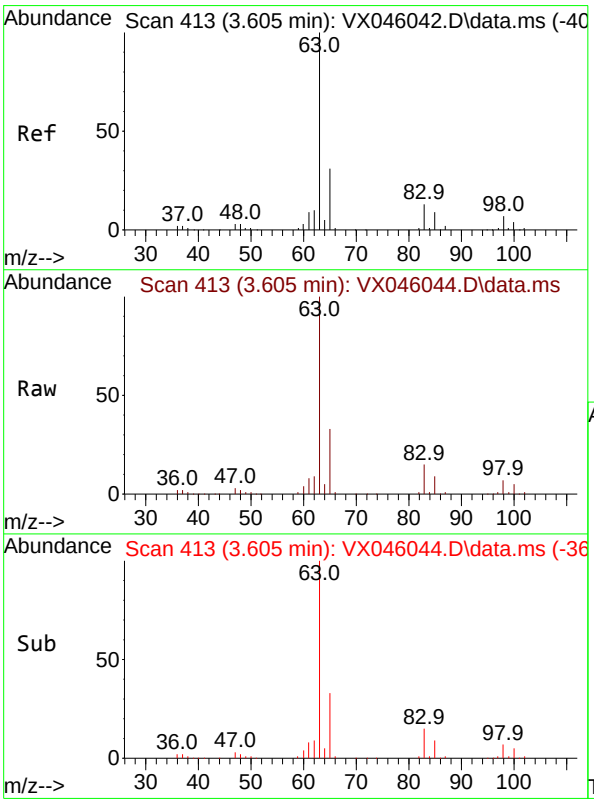
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.6 | 7.5 | 11.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

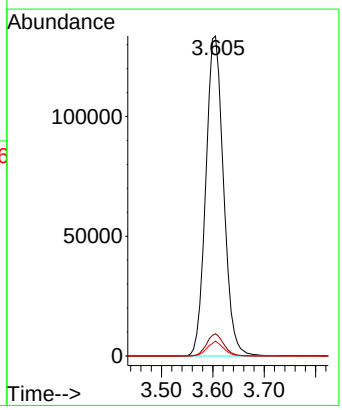
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

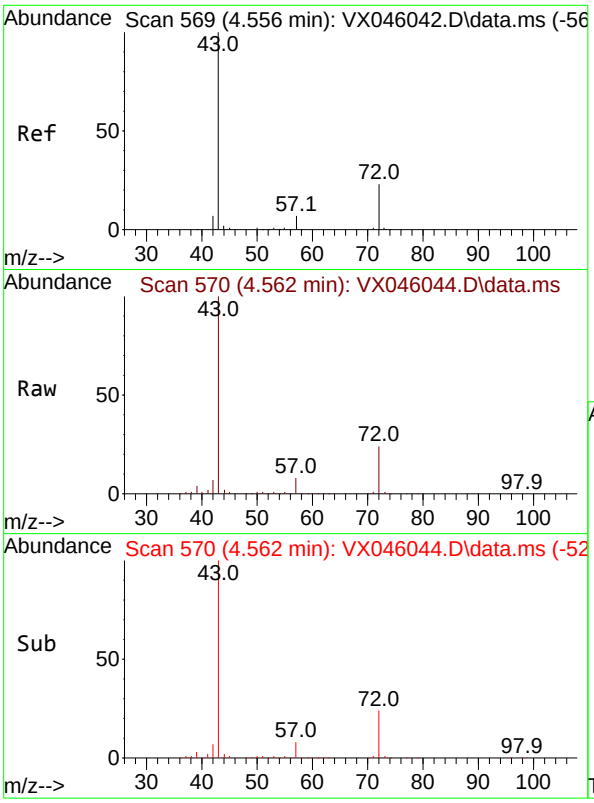



#24
1,1-Dichloroethane
Concen: 110.182 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 320083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.6 | 10.8 |
| 100 | 4.7 | 2.1 | 6.3 |

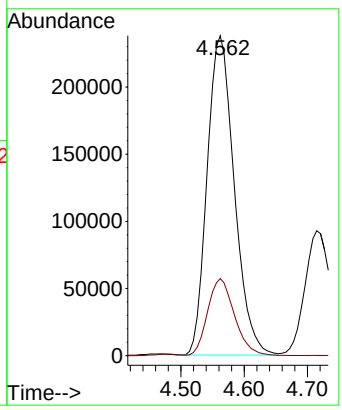





#25
2-Butanone
Concen: 581.292 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 70846

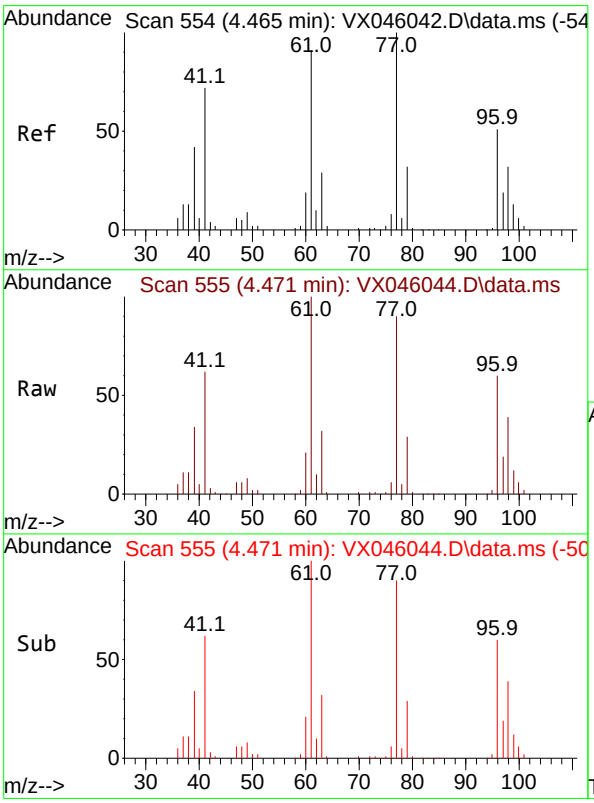
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.0 | 18.4 | 27.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

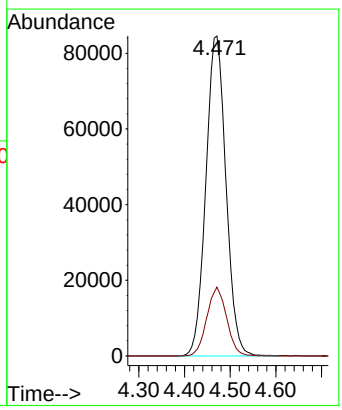
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

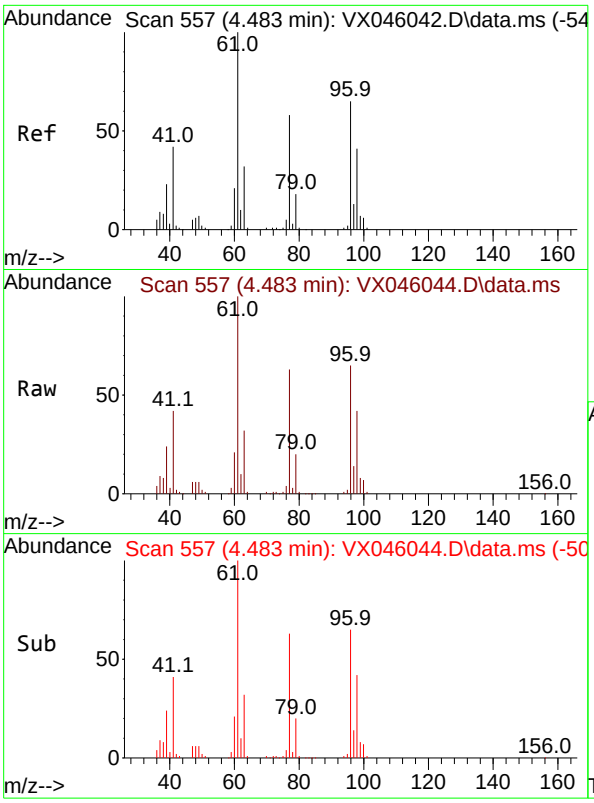



#26
2,2-Dichloropropane
Concen: 117.548 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 77 Resp: 258698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.1 | 10.5 | 31.5 |






#27
cis-1,2-Dichloroethene
Concen: 108.994 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

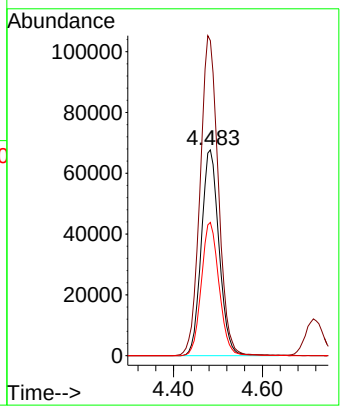
Tgt Ion: 96 Resp: 18783

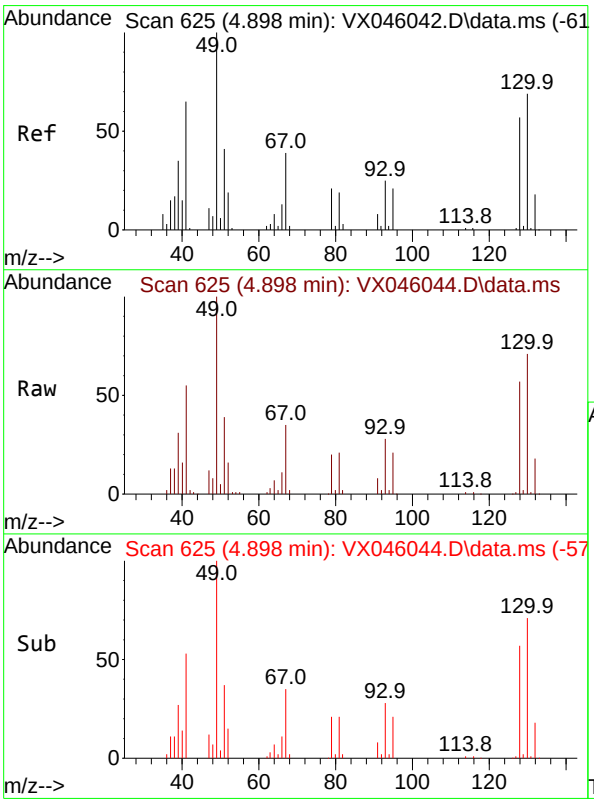
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.8 | 0.0 | 322.8 |
| 98 | 64.8 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

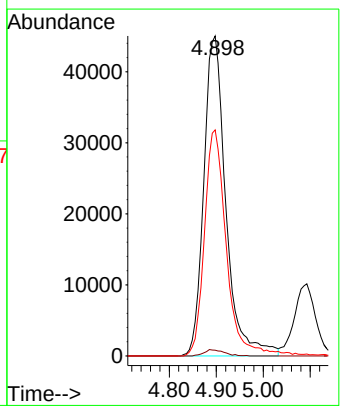


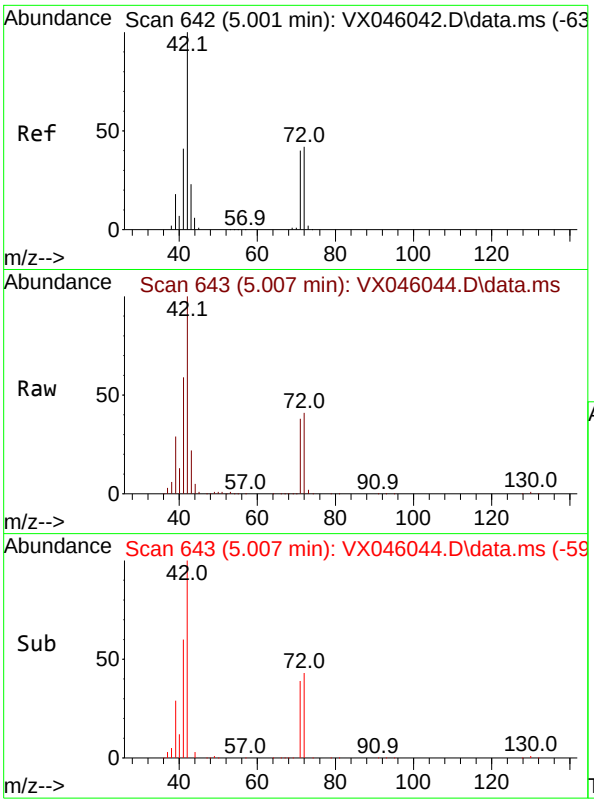




#28
Bromochloromethane
Concen: 95.108 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 49 Resp: 146923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 4.0 |
| 130 | 70.5 | 56.2 | 84.2 |






#29
Tetrahydrofuran
Concen: 569.081 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

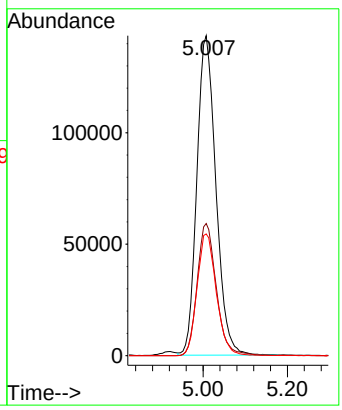
Tgt Ion: 42 Resp: 45045

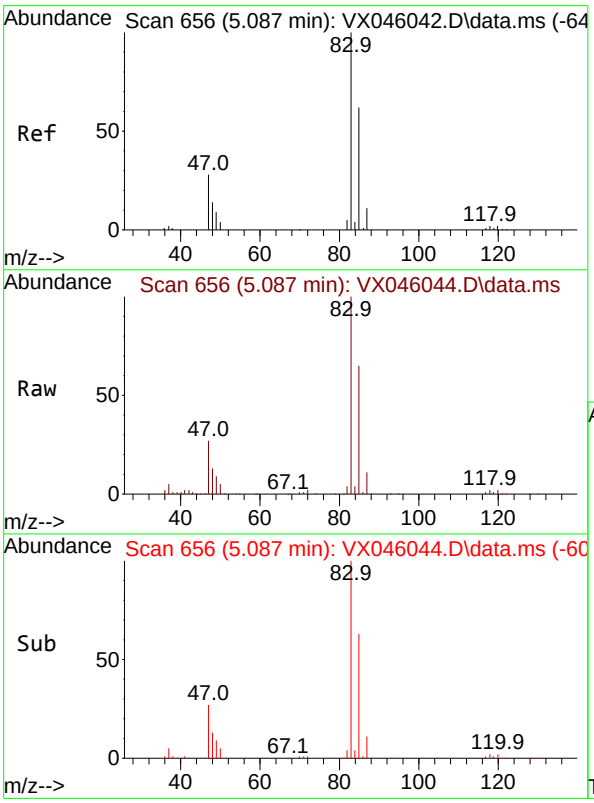
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.6 | 33.7 | 50.5 |
| 71 | 38.7 | 31.4 | 47.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

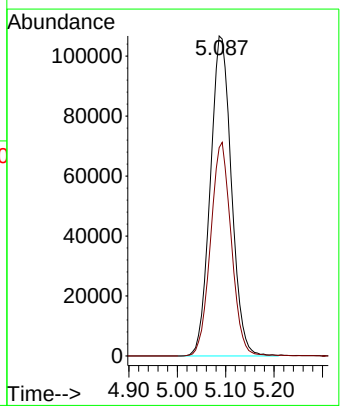


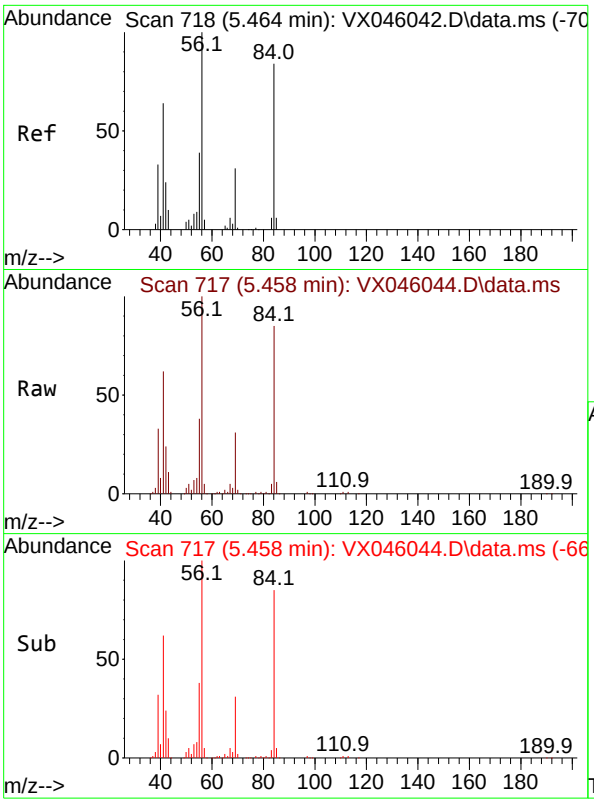




#30
Chloroform
Concen: 107.208 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 323659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 49.3 | 73.9 |

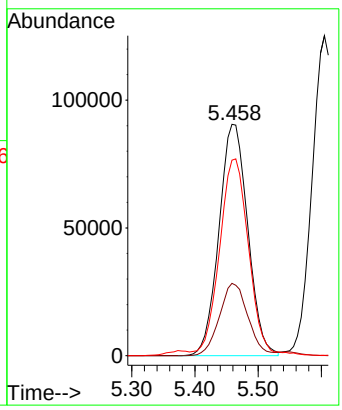





#31
Cyclohexane
Concen: 116.934 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 56 Resp: 28631

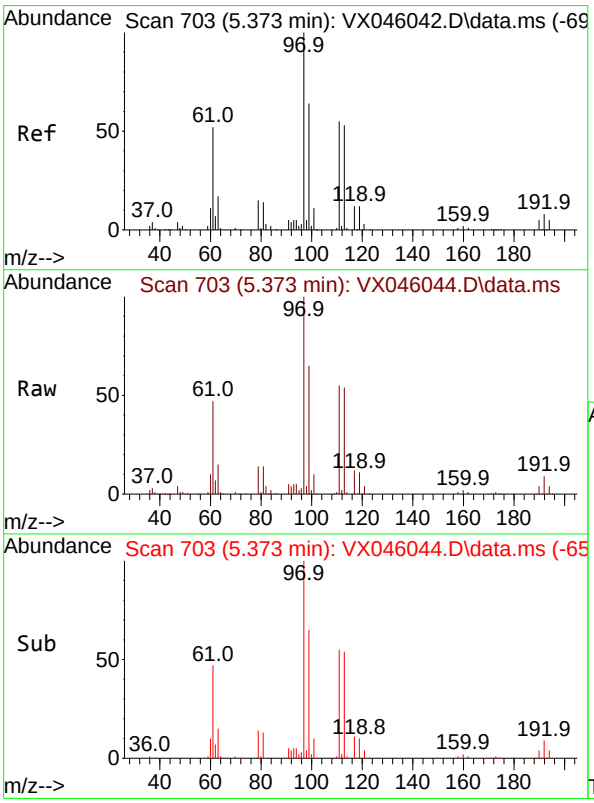
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.2 | 24.4 | 36.6 |
| 84 | 82.8 | 66.9 | 100.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

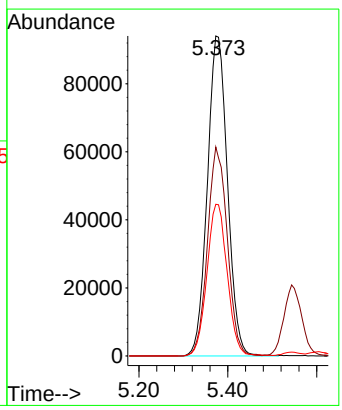
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

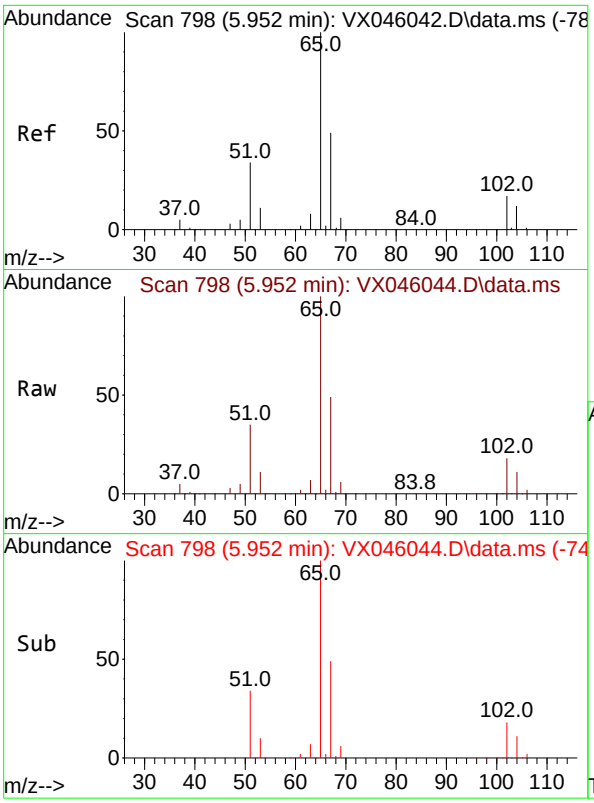



#32
1,1,1-Trichloroethane
Concen: 113.572 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 97 Resp: 295702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 51.8 | 77.6 |
| 61 | 48.0 | 40.1 | 60.1 |






#33
1,2-Dichloroethane-d4
Concen: 93.983 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

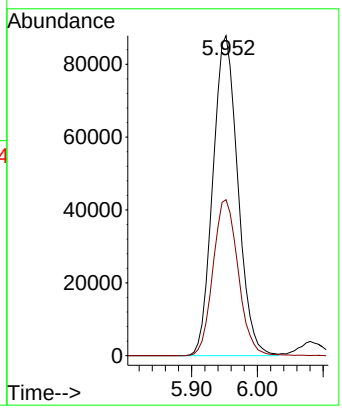
Tgt Ion: 65 Resp: 23195

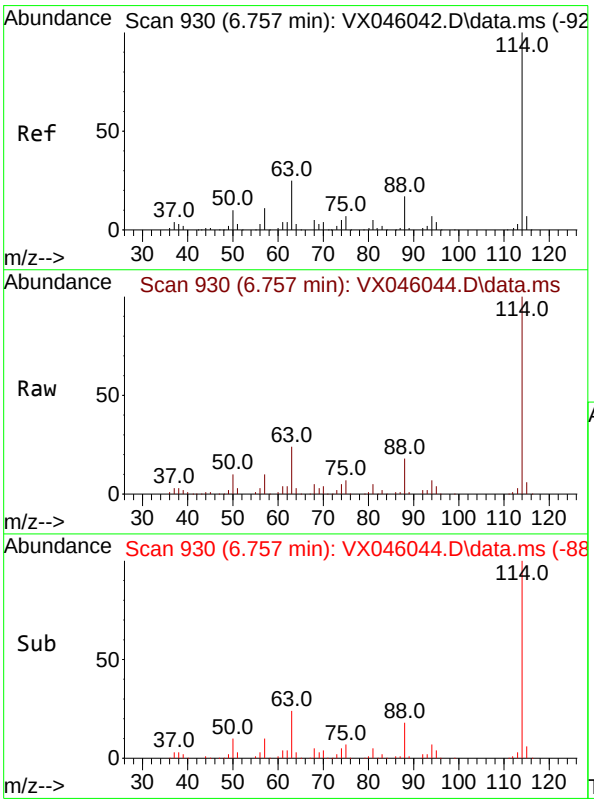
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.4 | 0.0 | 99.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

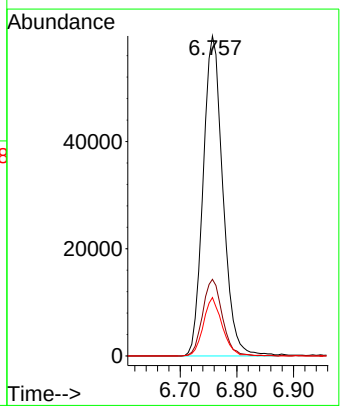


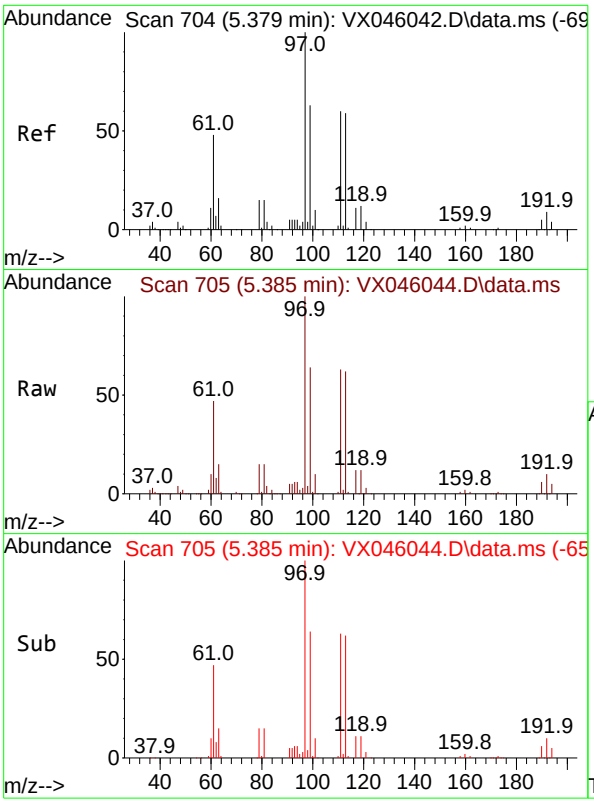




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:114 Resp: 144975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.9 | 0.0 | 49.2 |
| 88 | 18.3 | 0.0 | 33.6 |

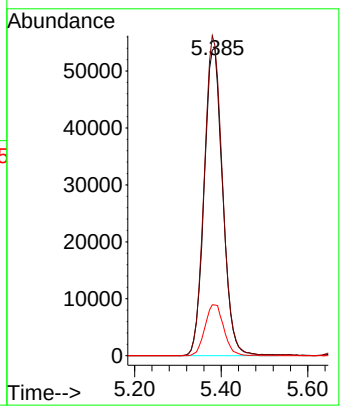





#35
Dibromofluoromethane
Concen: 98.562 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:113 Resp: 16016

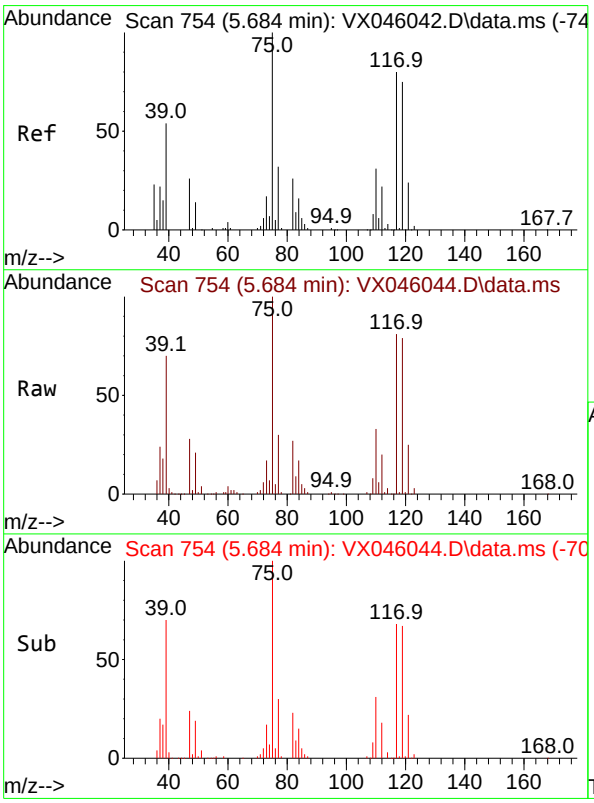
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 83.1 | 124.7 |
| 192 | 16.9 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

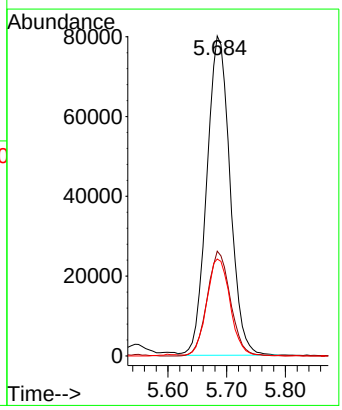
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

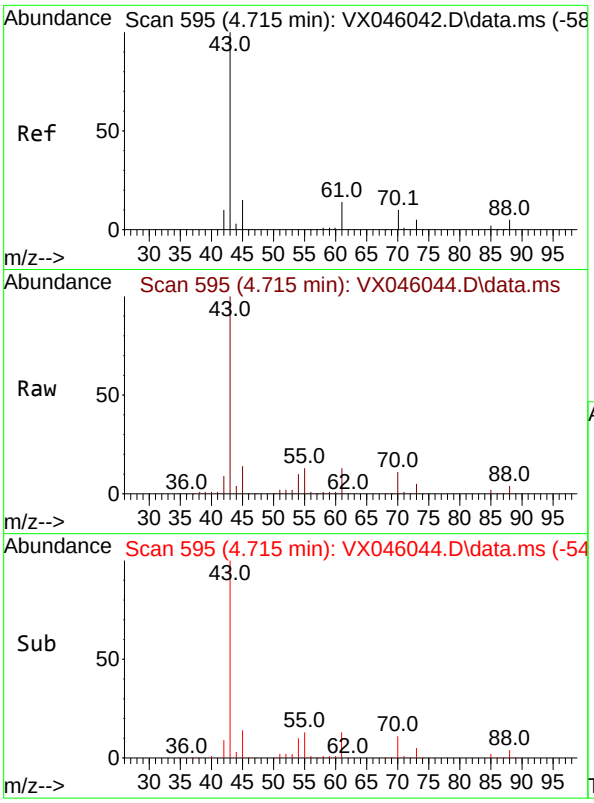



#36
1,1-Dichloropropene
Concen: 116.462 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 219731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.9 | 16.3 | 48.9 |
| 77 | 30.8 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 115.889 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

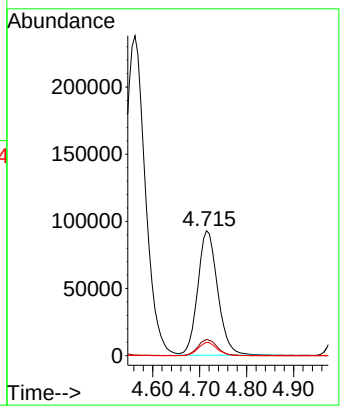
Tgt Ion: 43 Resp: 27431

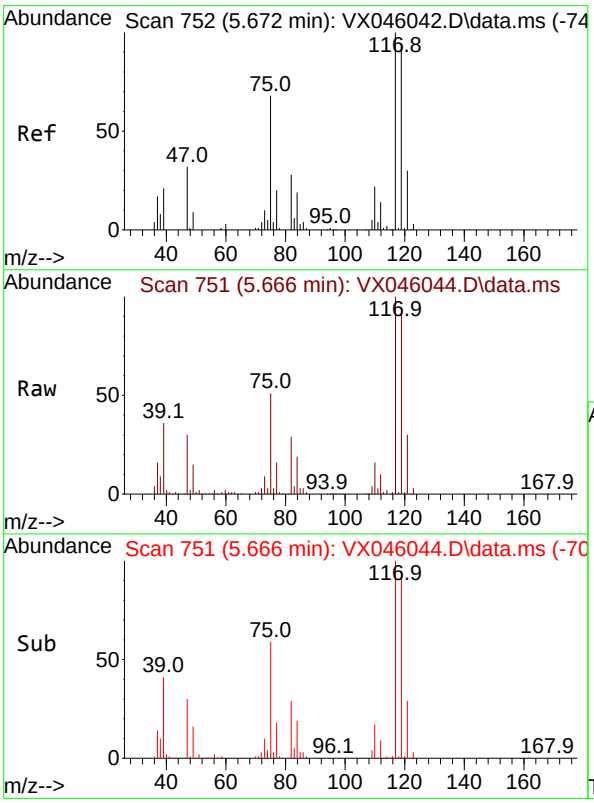
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.5 | 10.3 | 15.5 |
| 70 | 10.2 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

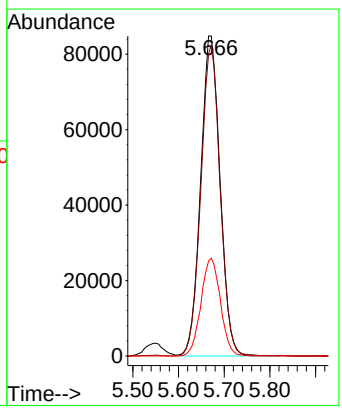


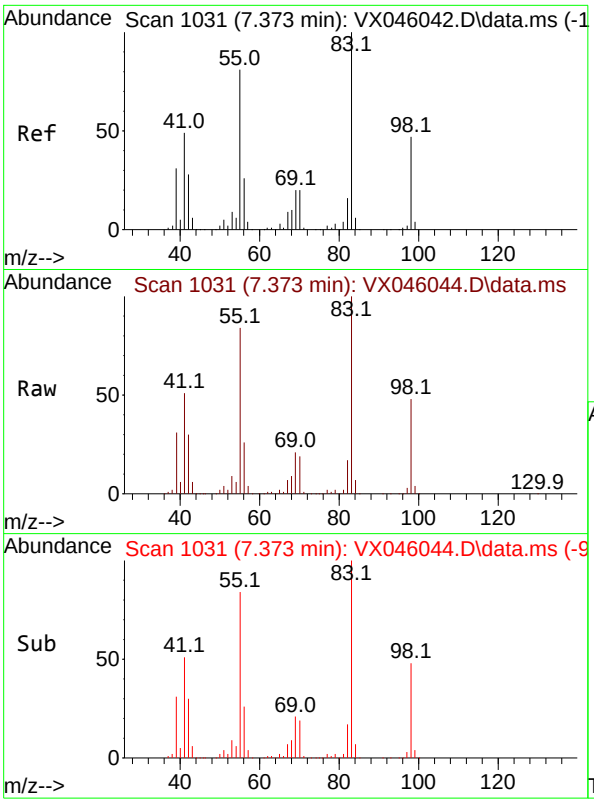




#38
Carbon Tetrachloride
Concen: 115.760 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 250916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.3 | 75.2 | 112.8 |
| 121 | 29.7 | 24.2 | 36.4 |






#39
Methylcyclohexane
Concen: 121.107 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

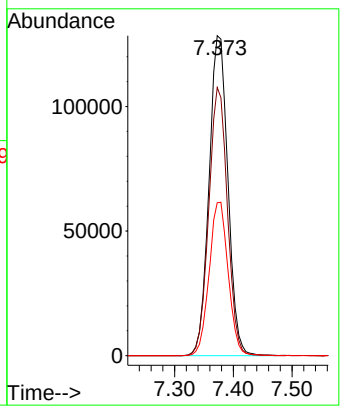
Tgt Ion: 83 Resp: 28631

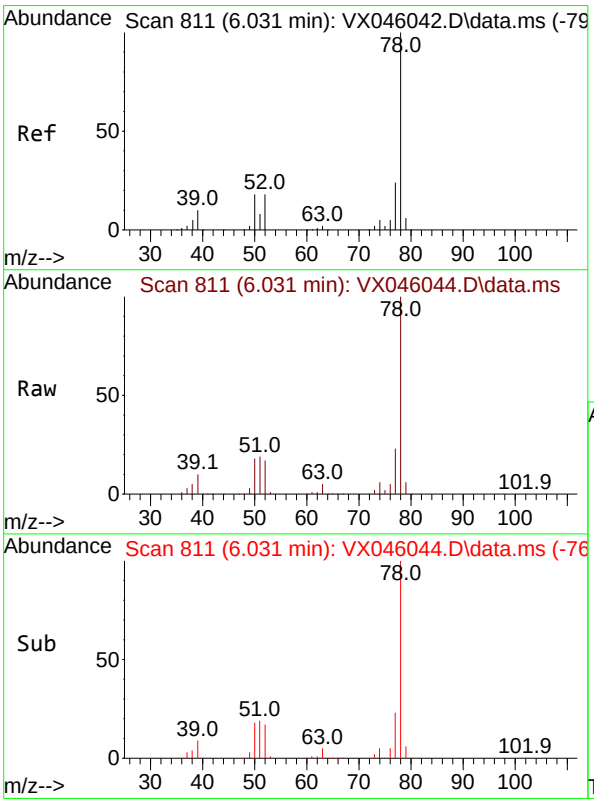
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.8 | 64.7 | 97.1 |
| 98 | 47.8 | 37.4 | 56.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

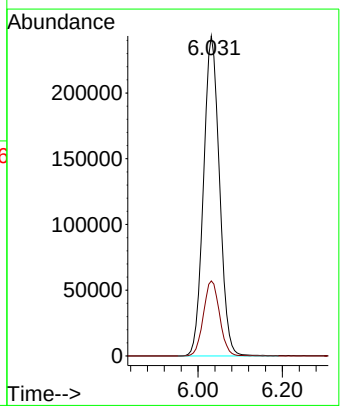


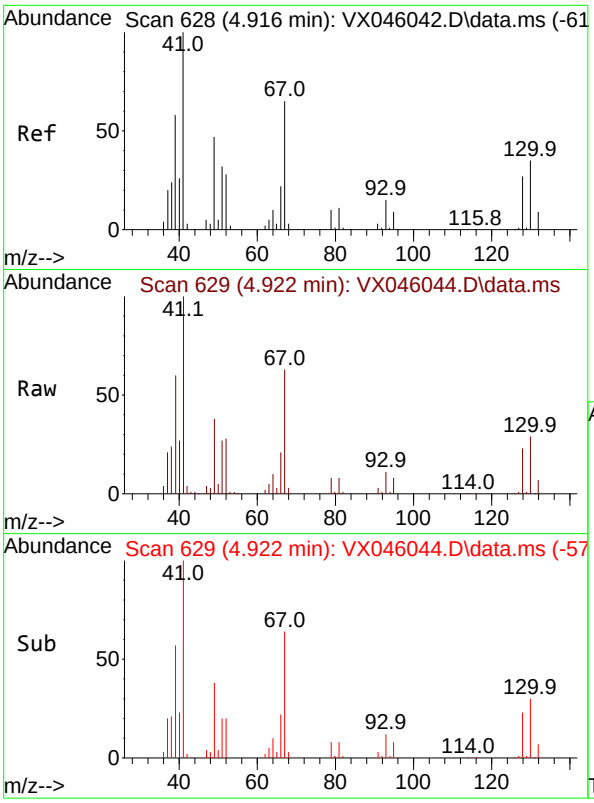




#40
Benzene
Concen: 109.813 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 78 Resp: 642178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.4 | 19.0 | 28.4 |

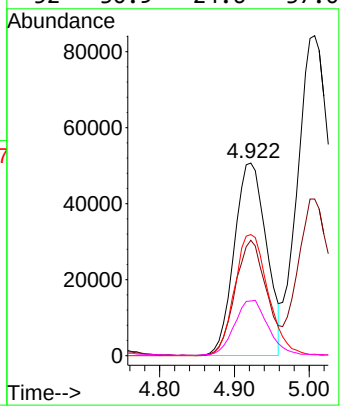





#41
Methacrylonitrile
Concen: 115.139 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 15142

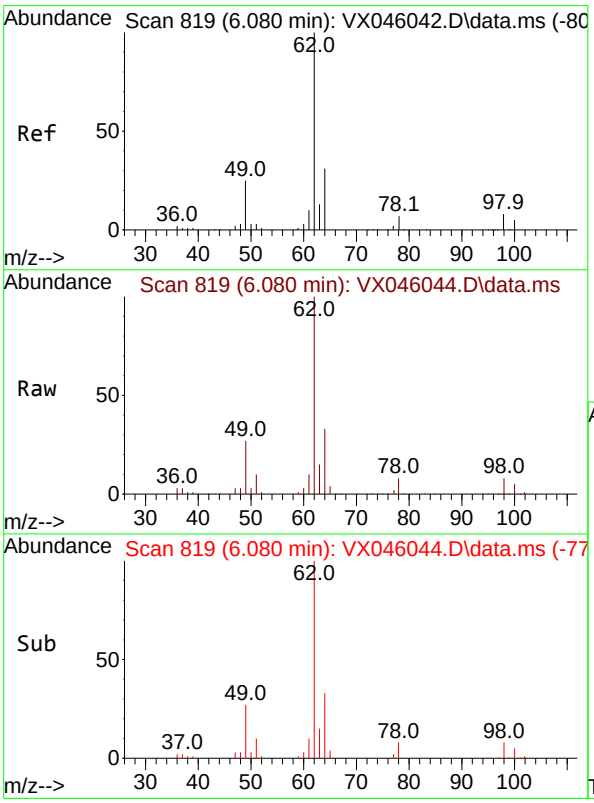
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 60.0 | 47.2 | 70.8 |
| 67 | 65.9 | 50.7 | 76.1 |
| 52 | 30.9 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

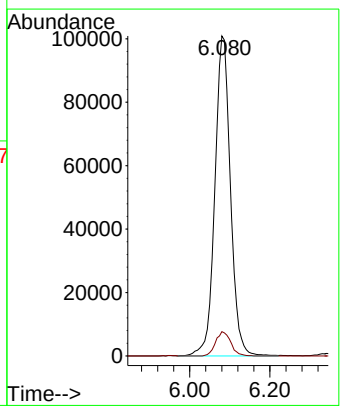
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

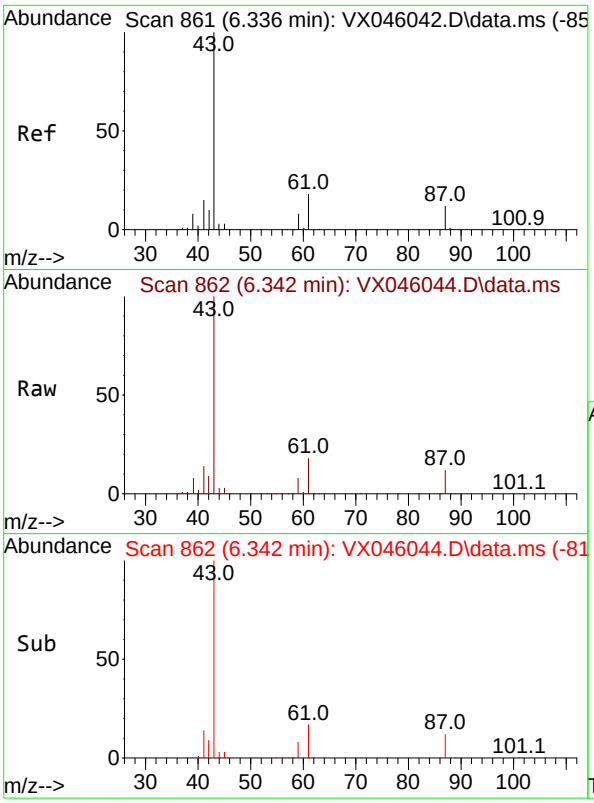



#42
1,2-Dichloroethane
Concen: 112.492 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 271992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.4 | 0.0 | 15.2 |

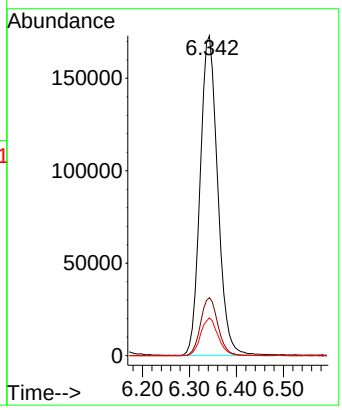





#43
Isopropyl Acetate
Concen: 123.780 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 44787

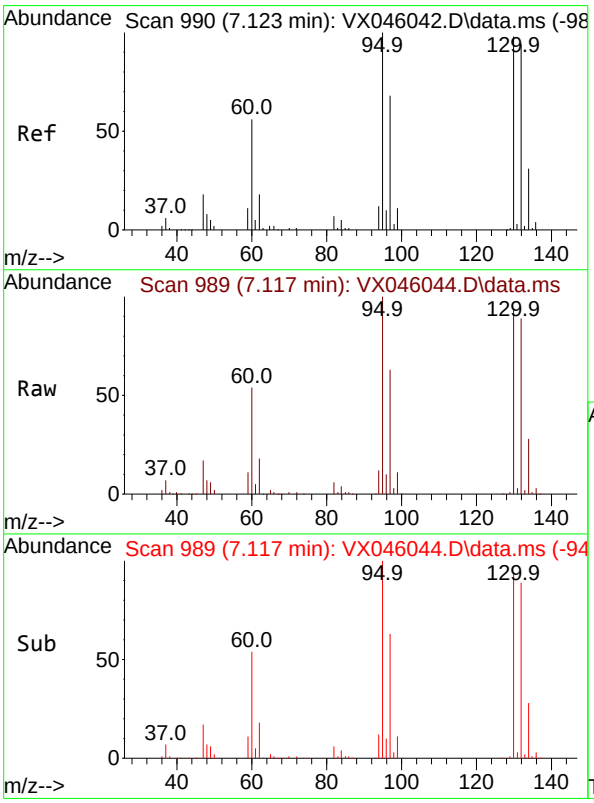
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.1 | 14.3 | 21.5 |
| 87 | 11.7 | 9.5 | 14.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

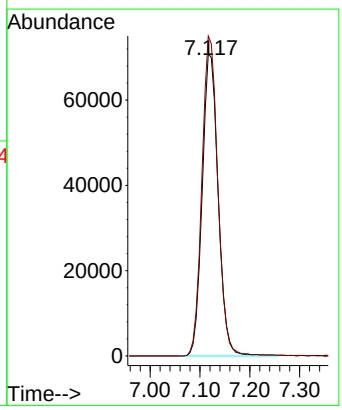
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

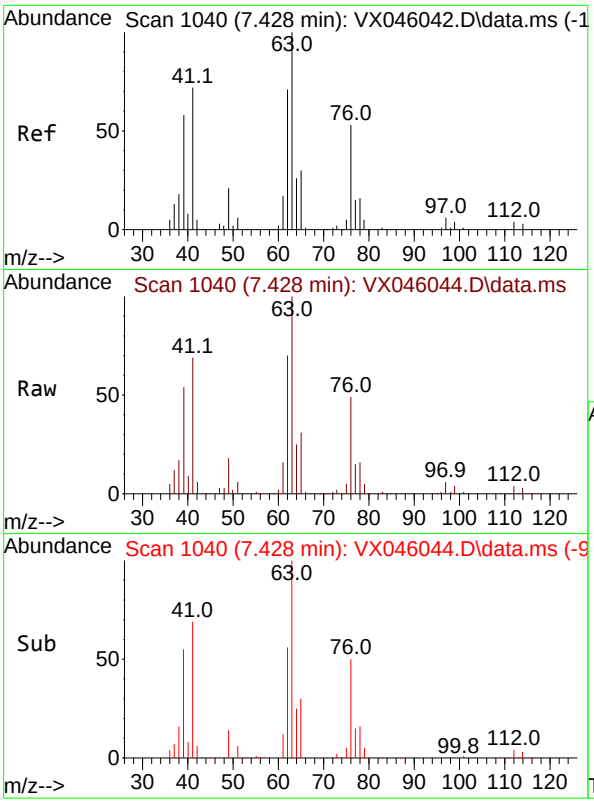



#44
Trichloroethene
Concen: 114.032 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:130 Resp: 157641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 105.9 | 0.0 | 204.2 |






#45
1,2-Dichloropropane
Concen: 113.217 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

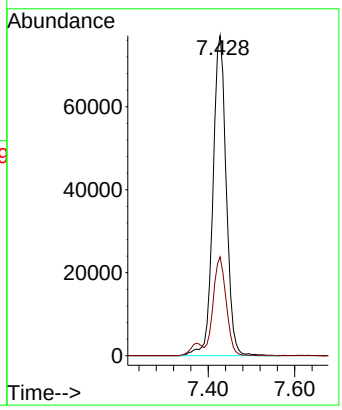
Tgt Ion: 63 Resp: 16450

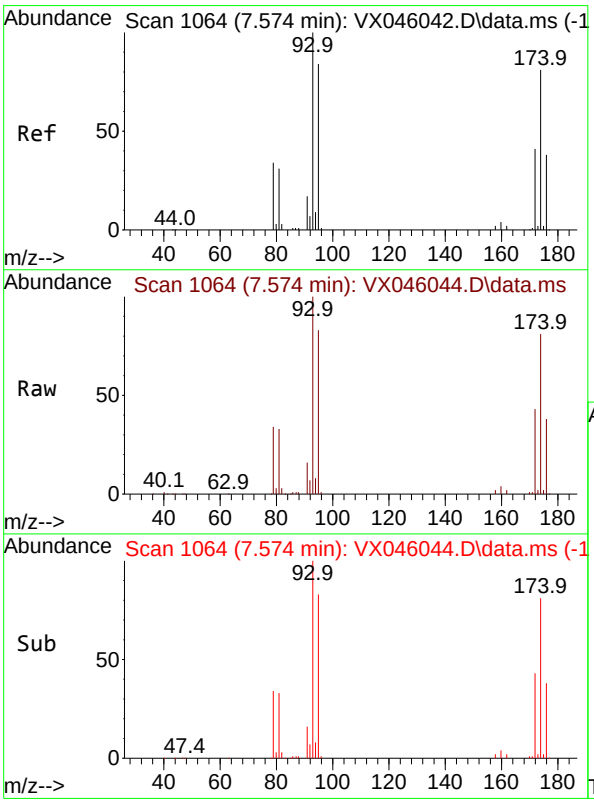
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 24.1 | 36.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

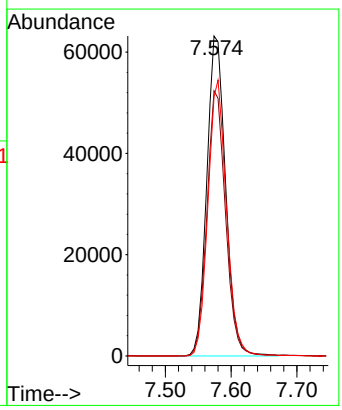


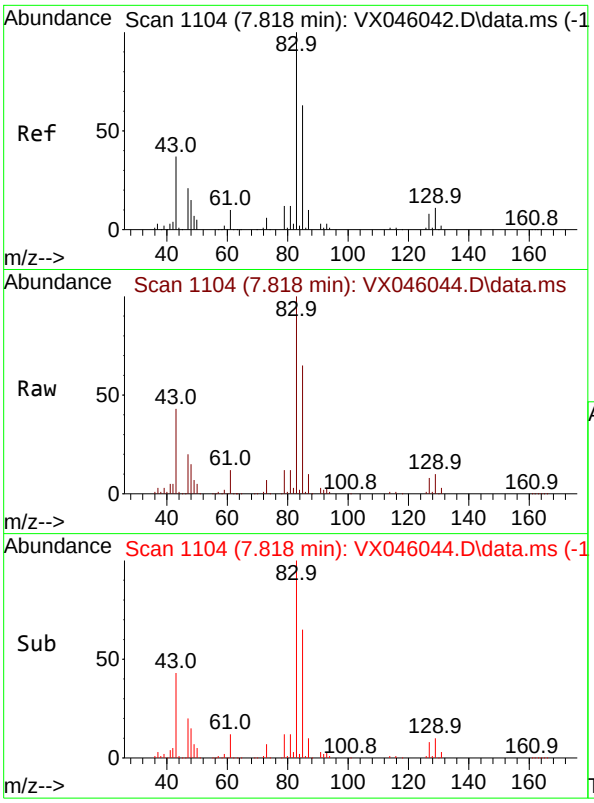




#46
Dibromomethane
Concen: 109.869 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 93 Resp: 125846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.4 | 65.6 | 98.4 |
| 174 | 85.0 | 68.2 | 102.2 |

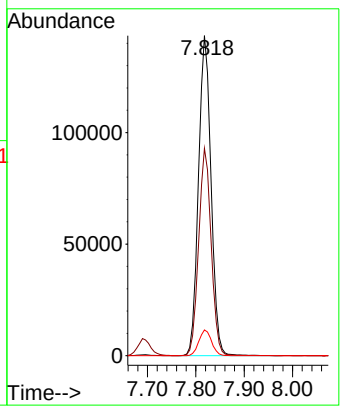





#47
Bromodichloromethane
Concen: 116.365 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 25832

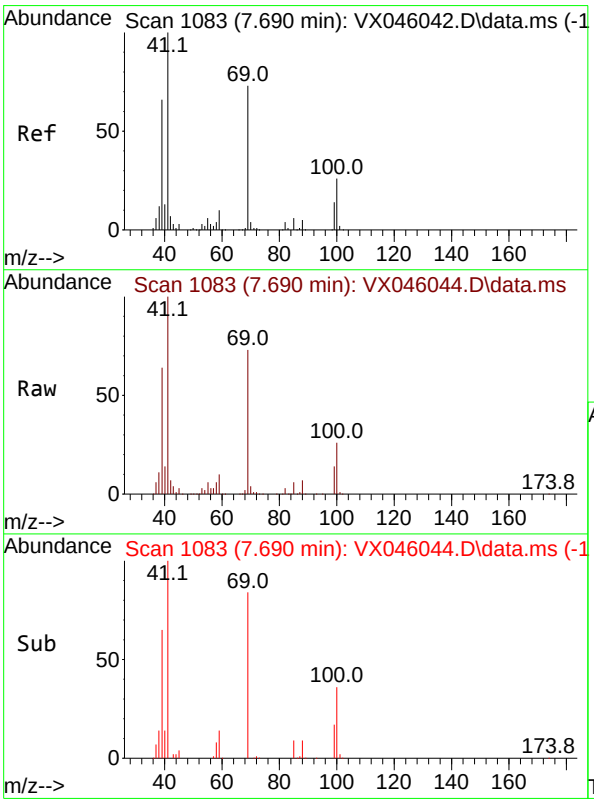
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 50.5 | 75.7 |
| 127 | 8.0 | 6.5 | 9.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

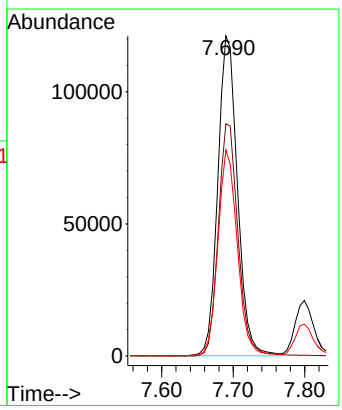
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

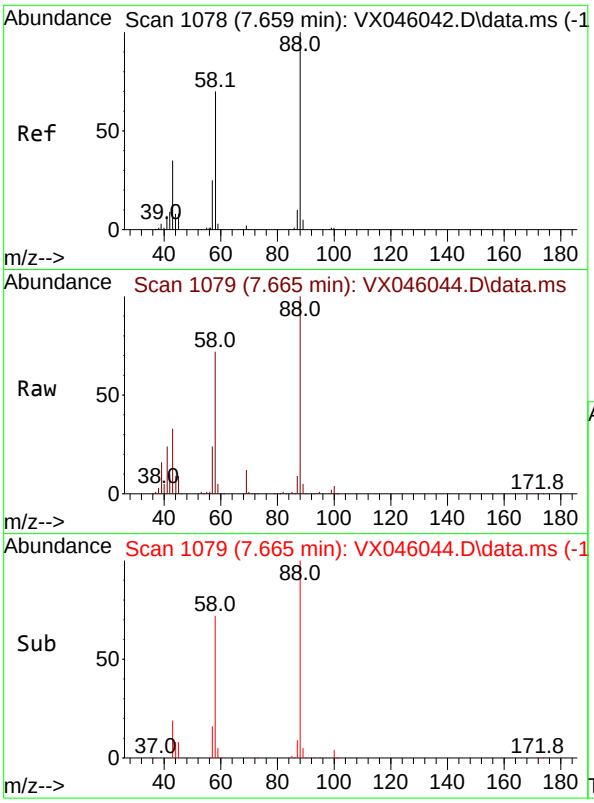



#48
Methyl methacrylate
Concen: 124.356 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 231040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 73.0 | 58.5 | 87.7 |
| 39 | 63.8 | 51.7 | 77.5 |

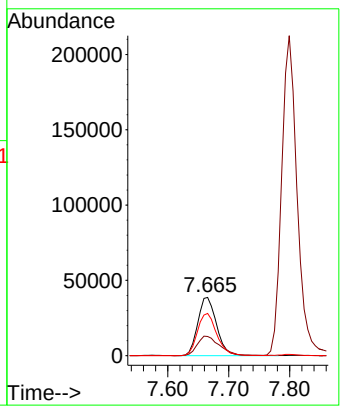





#49
1,4-Dioxane
Concen: 2241.695 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 88 Resp: 8280

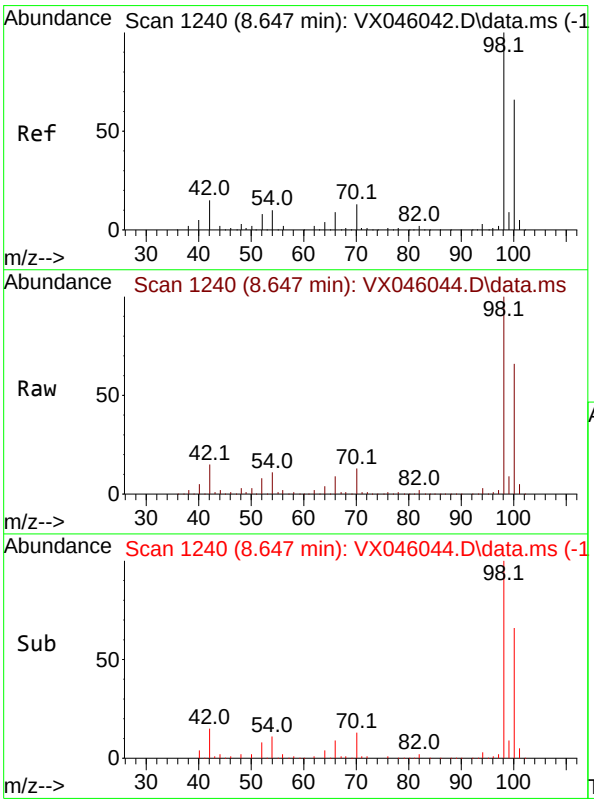
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.0 | 33.4 | 50.2 |
| 58 | 74.8 | 58.6 | 88.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

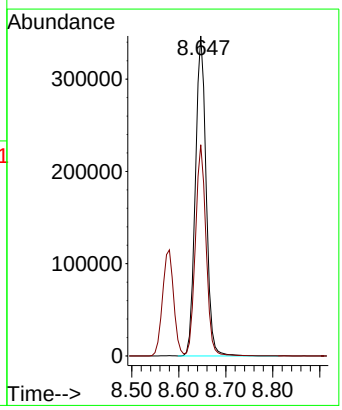
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

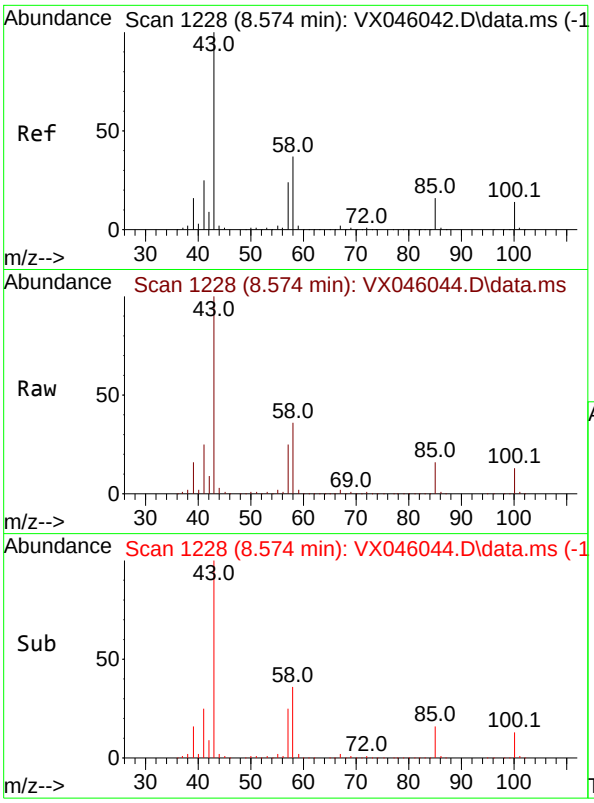



#50
Toluene-d8
Concen: 101.252 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 98 Resp: 554390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.4 | 53.5 | 80.3 |






#51
4-Methyl-2-Pentanone
Concen: 577.831 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

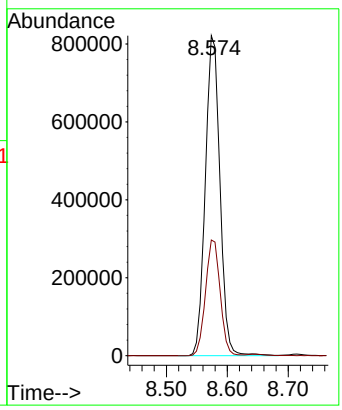
Tgt Ion: 43 Resp: 137127

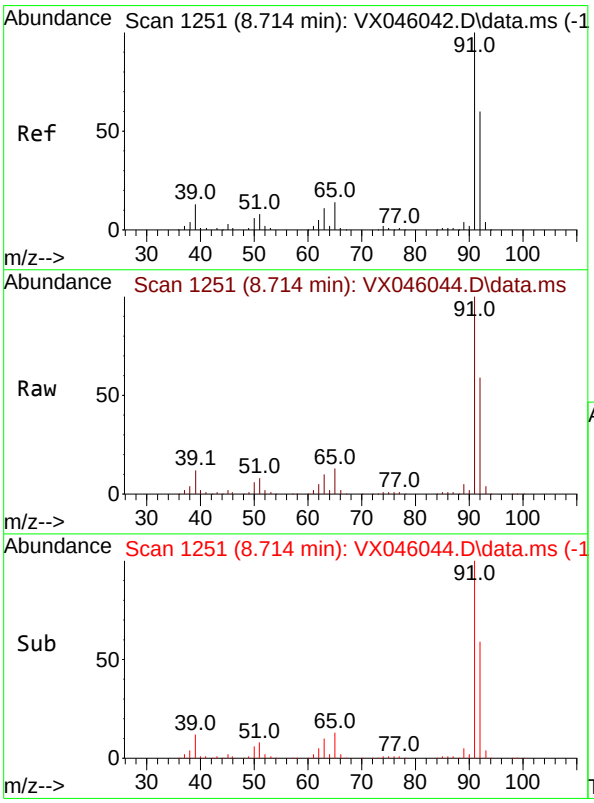
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.2 | 28.9 | 43.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

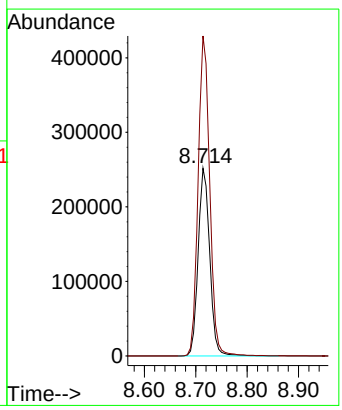


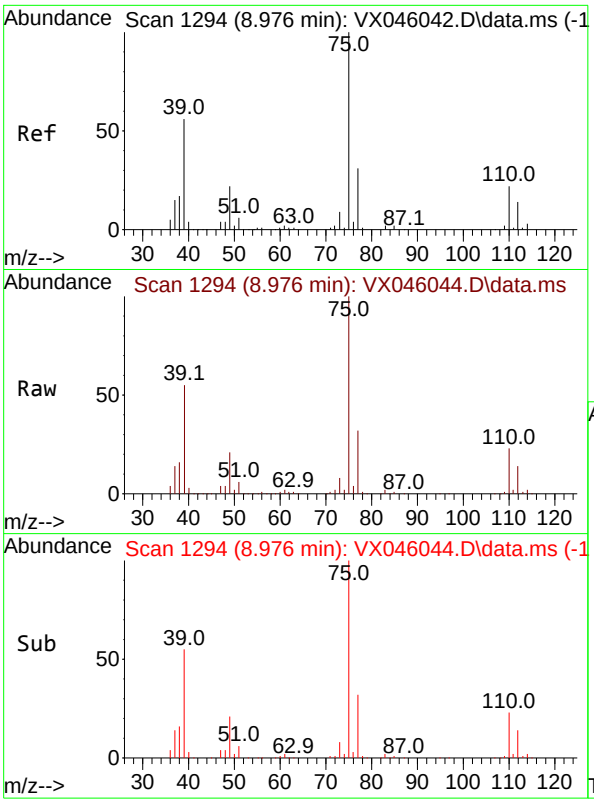




#52
Toluene
Concen: 113.430 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 92 Resp: 393323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.0 | 136.6 | 205.0 |






#53
t-1,3-Dichloropropene
Concen: 138.001 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

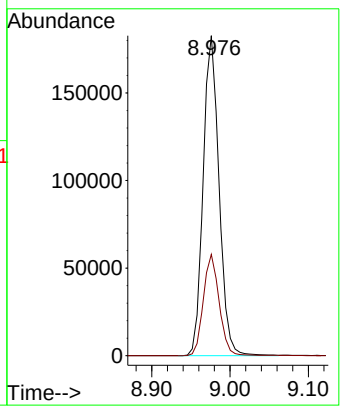
Tgt Ion: 75 Resp: 25723

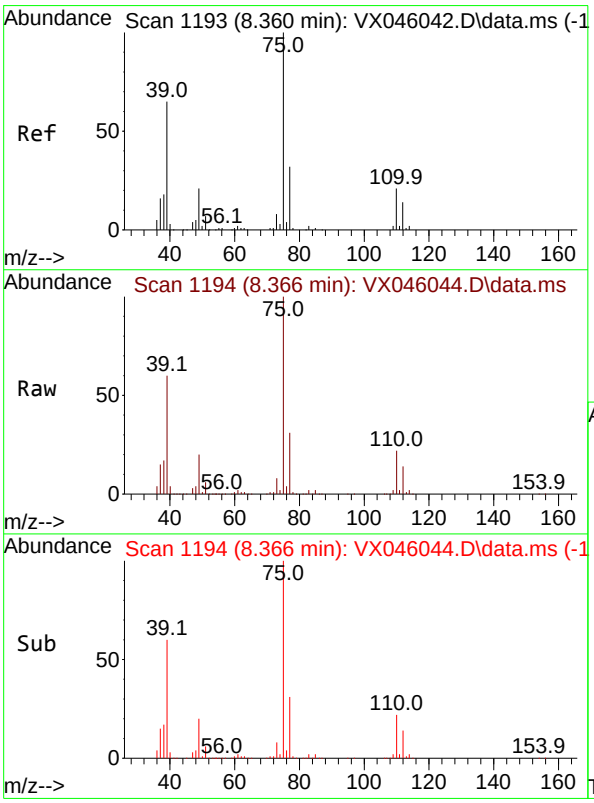
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.0 | 37.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

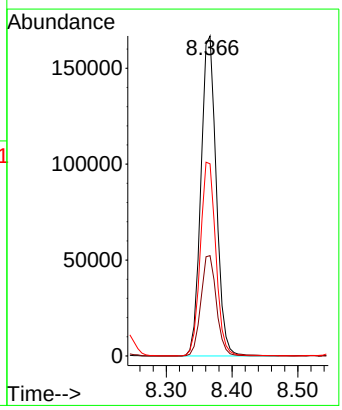


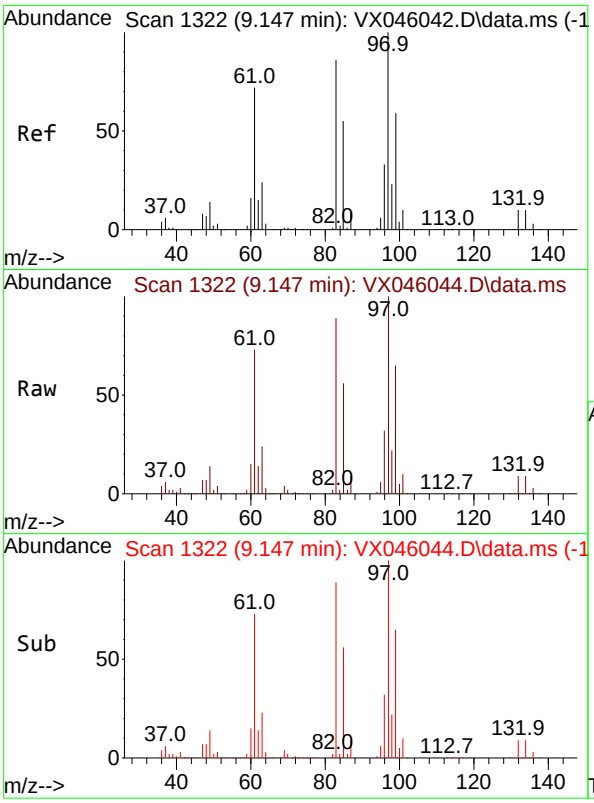




#54
cis-1,3-Dichloropropene
Concen: 124.658 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 271054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.4 | 38.0 |
| 39 | 60.0 | 52.2 | 78.4 |

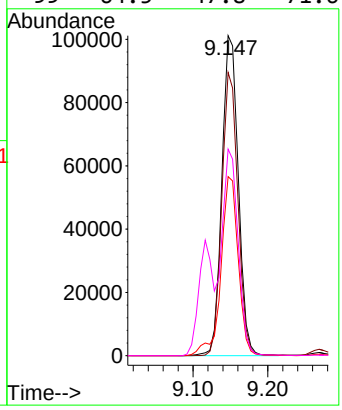





#55
1,1,2-Trichloroethane
Concen: 110.551 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 97 Resp: 15493

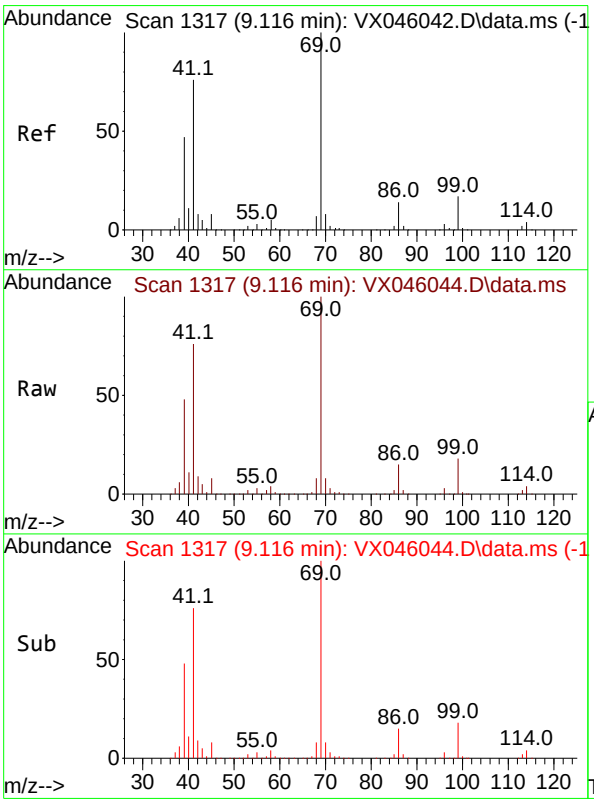
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.5 | 69.0 | 103.6 |
| 85 | 56.0 | 44.3 | 66.5 |
| 99 | 64.5 | 47.8 | 71.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

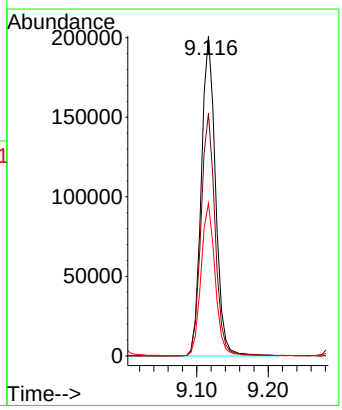
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

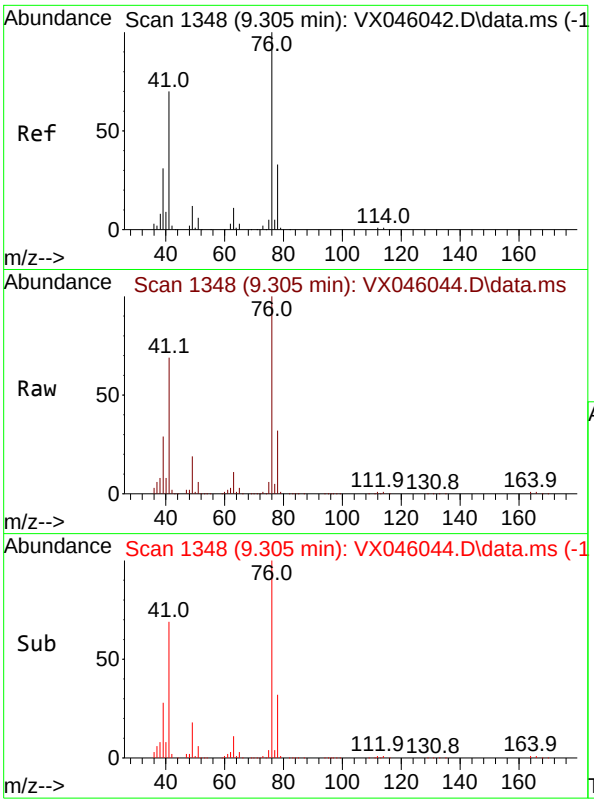



#56
Ethyl methacrylate
Concen: 127.968 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 69 Resp: 277921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 75.4 | 60.8 | 91.2 |
| 39 | 47.2 | 39.0 | 58.6 |

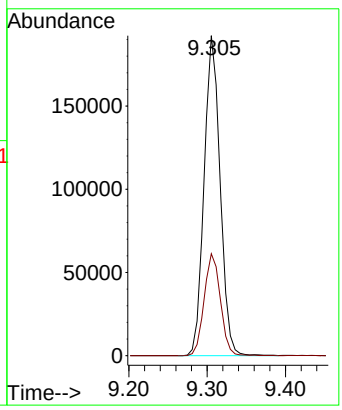





#57
1,3-Dichloropropane
Concen: 109.813 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 76 Resp: 27281

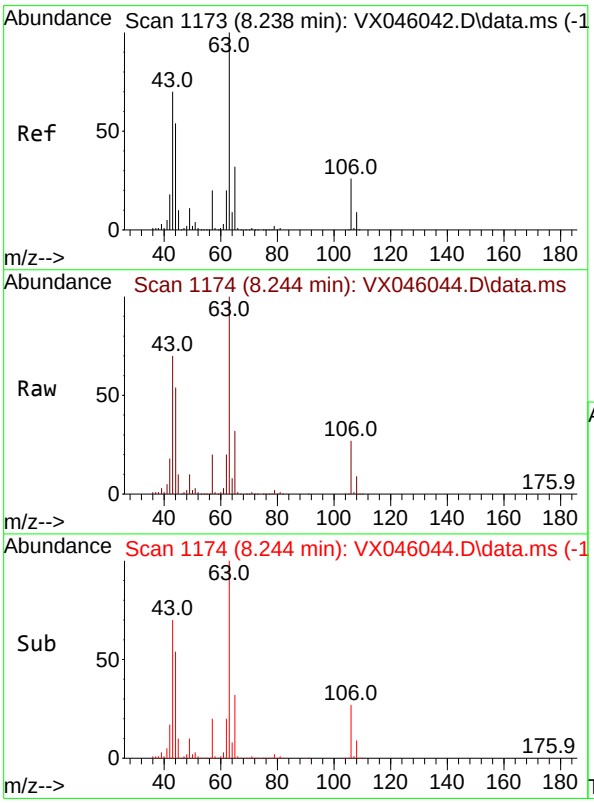
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 26.3 | 39.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

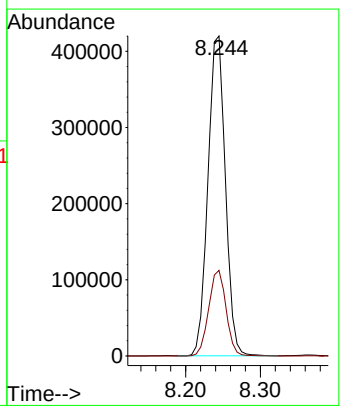
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

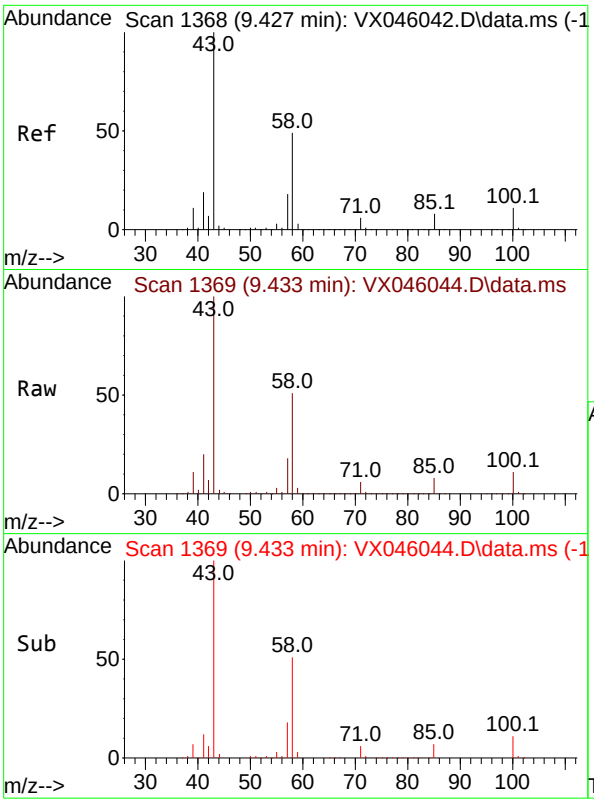



#58
2-Chloroethyl Vinyl ether
Concen: 697.344 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 680608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.7 | 21.5 | 32.3 |






#59
2-Hexanone
Concen: 571.094 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

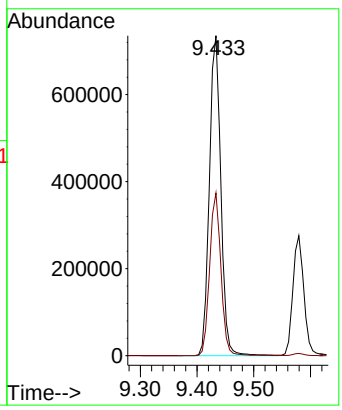
Tgt Ion: 43 Resp: 102859

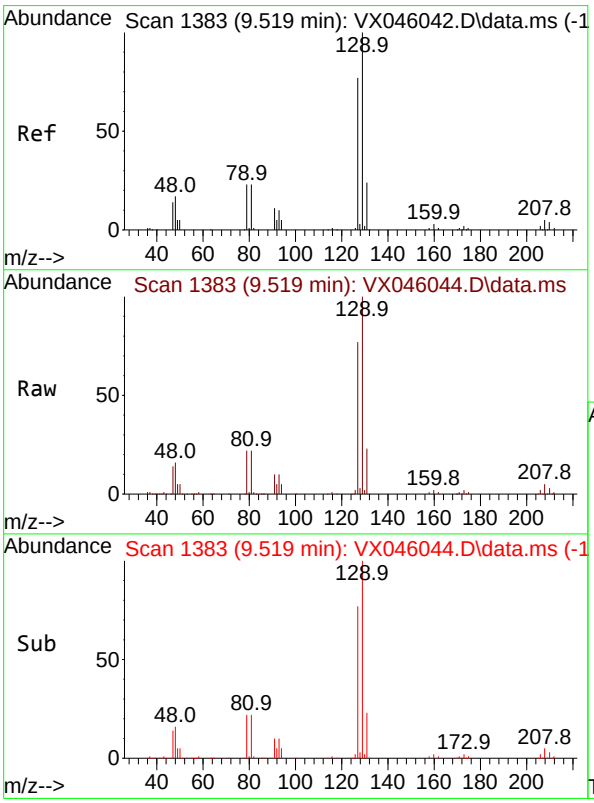
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.2 | 24.9 | 74.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

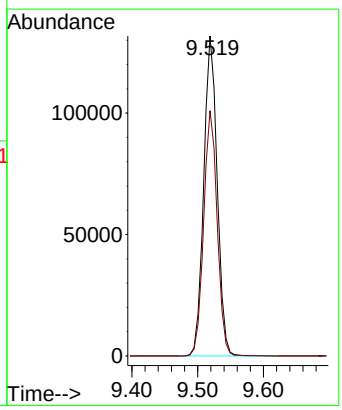


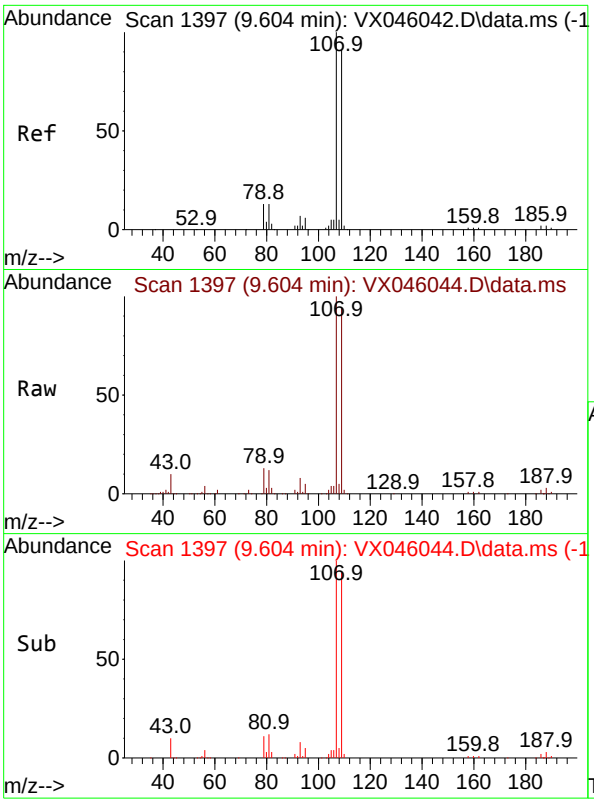




#60
Dibromochloromethane
Concen: 122.915 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:129 Resp: 187497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.1 | 39.3 | 117.8 |

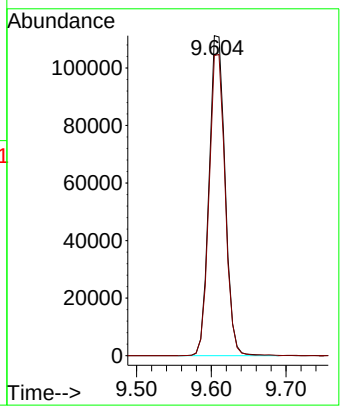





#61
1,2-Dibromoethane
Concen: 115.087 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:107 Resp: 16563

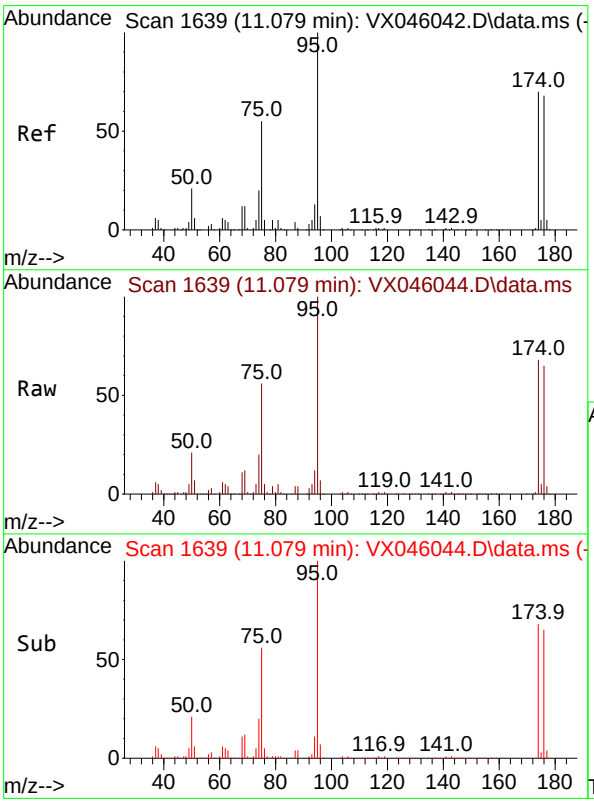
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.6 | 73.3 | 109.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

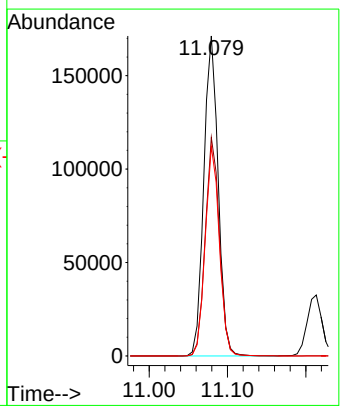
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

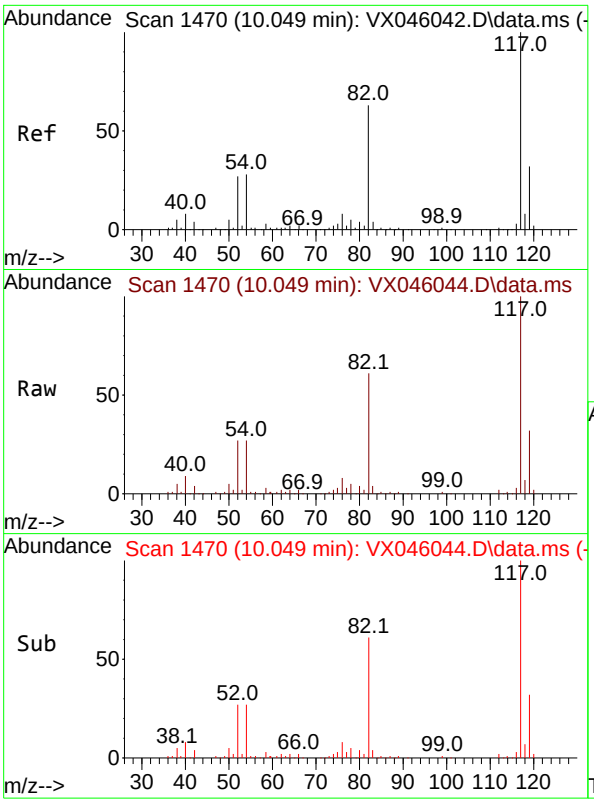



#62
4-Bromofluorobenzene
Concen: 109.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 95 Resp: 217536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.5 | 0.0 | 135.8 |
| 176 | 64.4 | 0.0 | 131.4 |

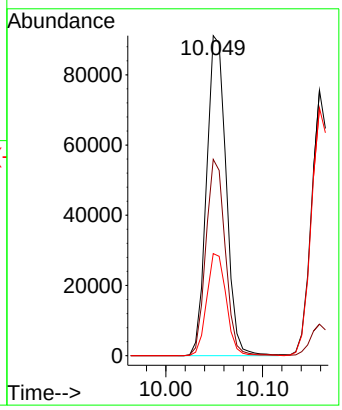





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 12855

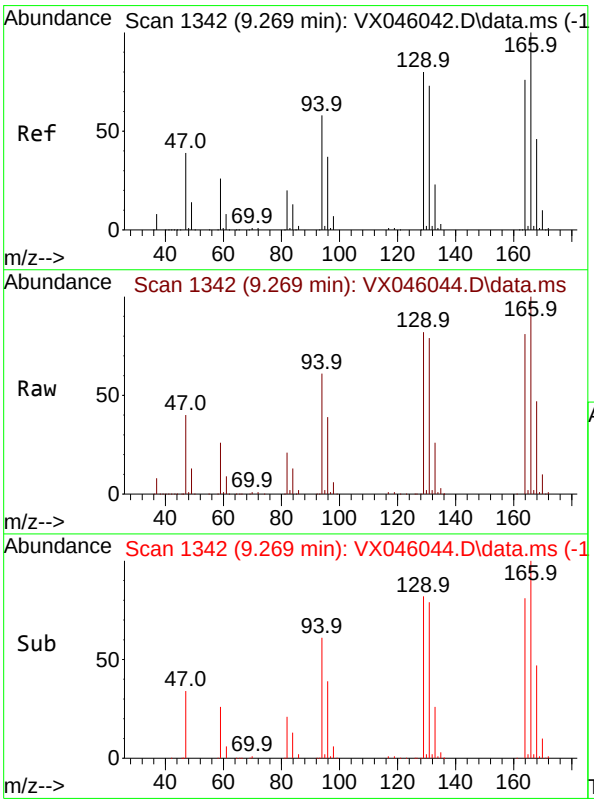
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.4 | 50.6 | 76.0 |
| 119 | 31.9 | 25.8 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

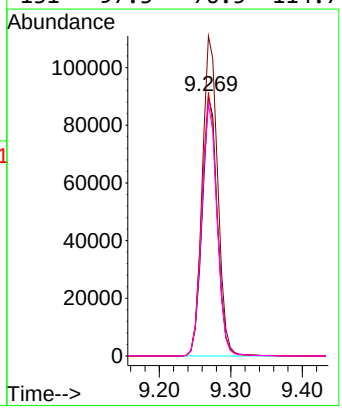
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

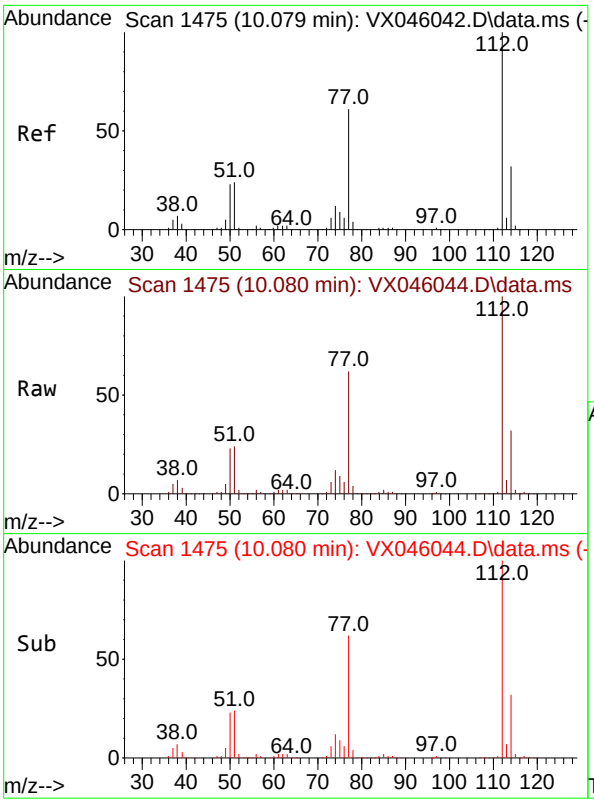



#64
Tetrachloroethene
Concen: 100.918 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:164 Resp: 132488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.3 | 105.0 | 157.6 |
| 129 | 101.6 | 83.5 | 125.3 |
| 131 | 97.3 | 76.5 | 114.7 |






#65
Chlorobenzene
Concen: 108.615 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

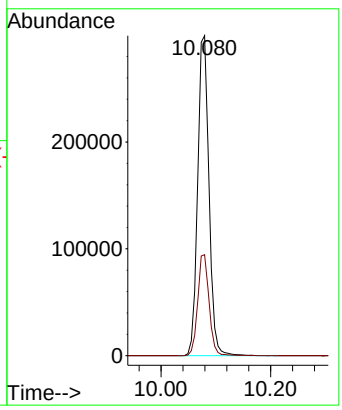
Tgt Ion:112 Resp: 42965

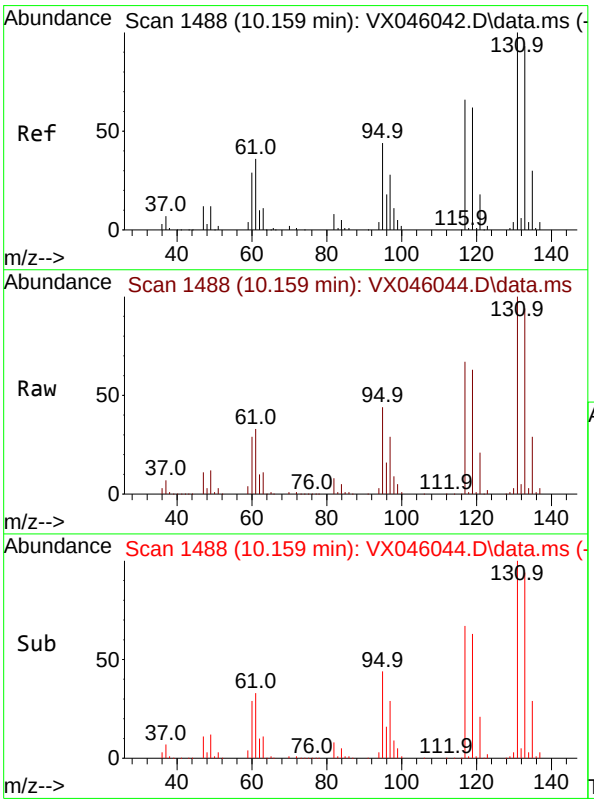
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.5 | 25.4 | 38.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

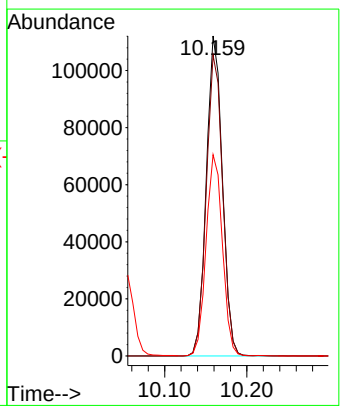


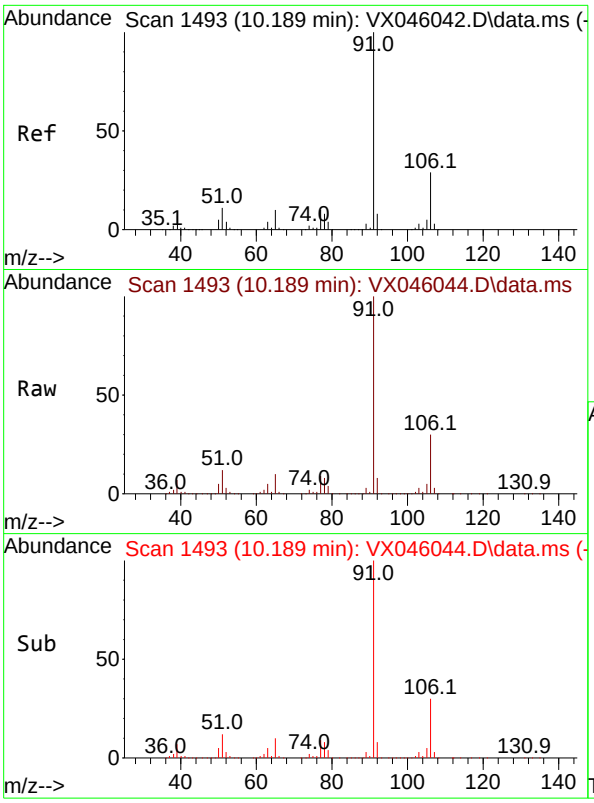




#66
1,1,1,2-Tetrachloroethane
Concen: 115.333 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:131 Resp: 152173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.7 | 47.3 | 141.9 |
| 119 | 64.0 | 31.6 | 95.0 |






#67
Ethyl Benzene
Concen: 116.421 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

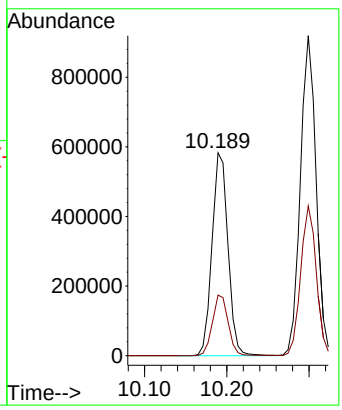
Tgt Ion: 91 Resp: 78512

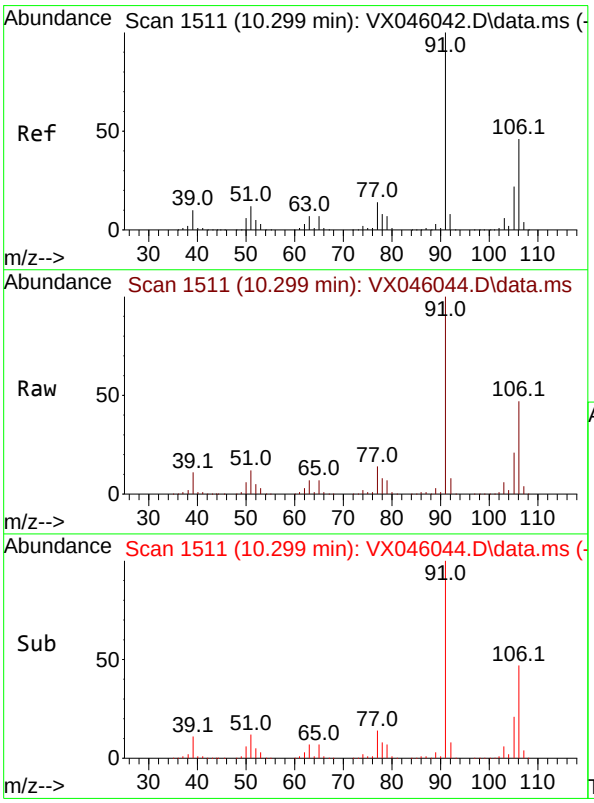
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 23.4 | 35.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

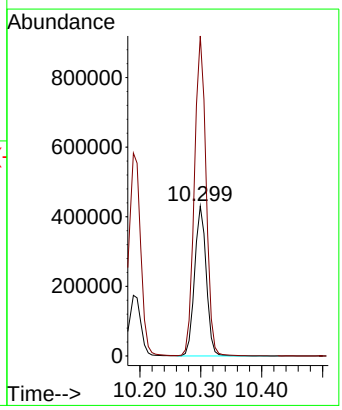


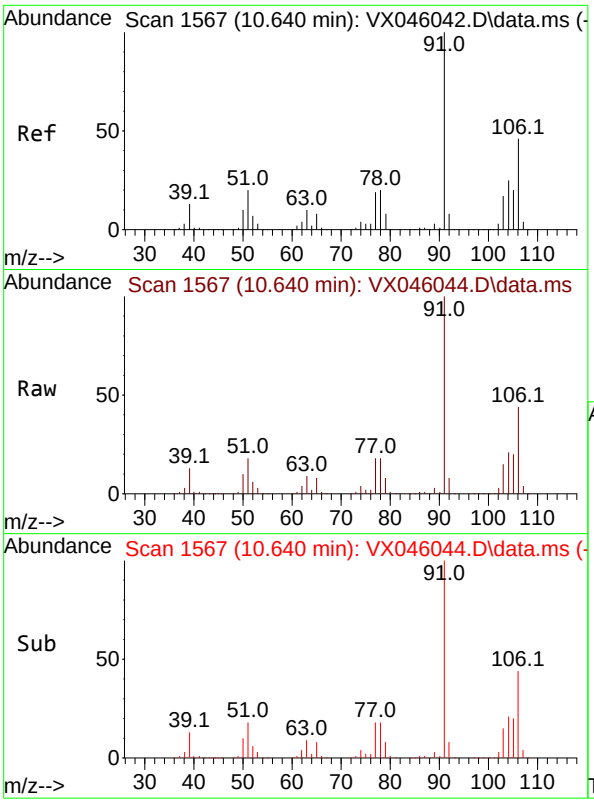




#68
m/p-Xylenes
Concen: 234.349 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:106 Resp: 570913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.2 | 171.2 | 256.8 |






#69
o-Xylene
Concen: 113.990 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

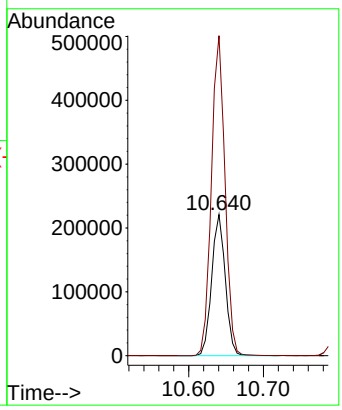
Tgt Ion:106 Resp: 27990

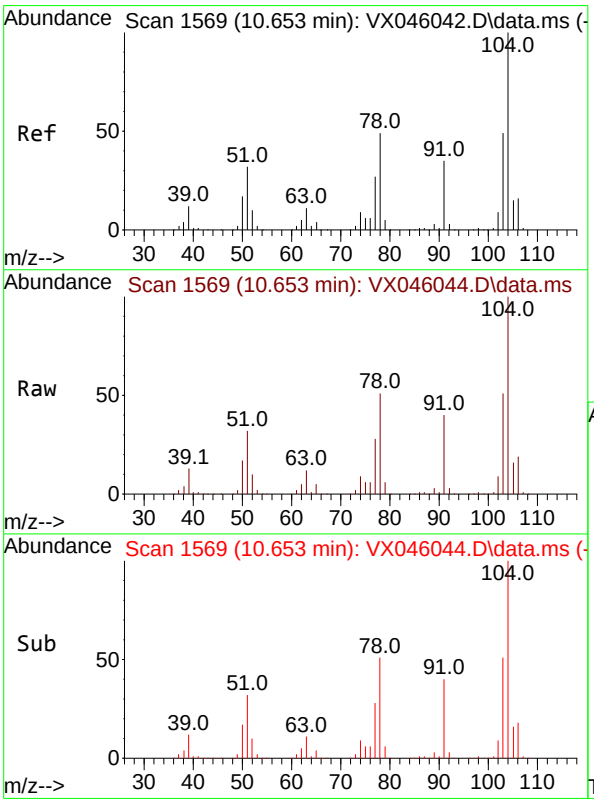
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 226.9 | 112.7 | 338.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

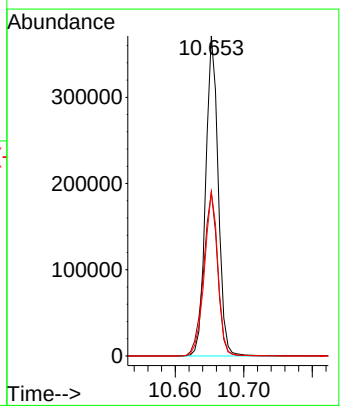


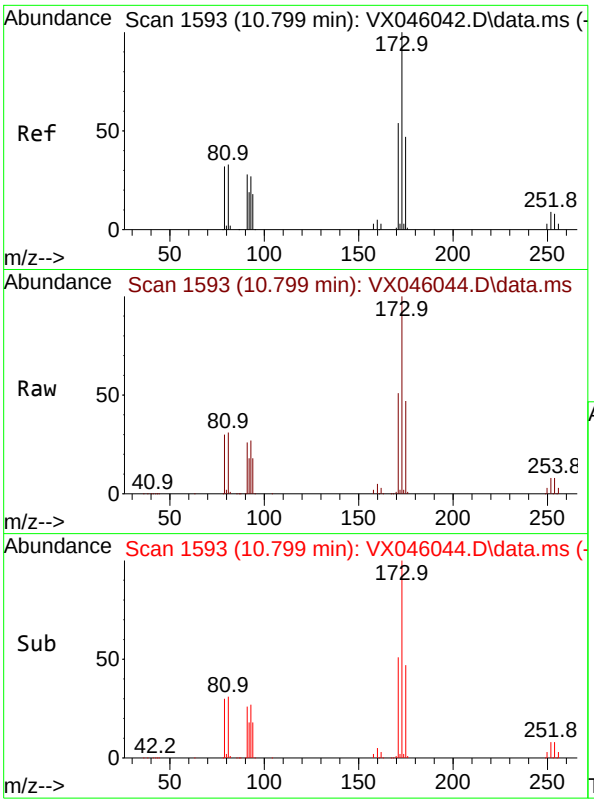




#70
Styrene
Concen: 120.694 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:104 Resp: 474254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.2 | 45.7 | 68.5 |
| 103 | 55.5 | 43.7 | 65.5 |

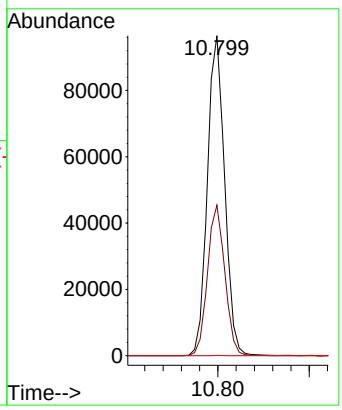





#71
Bromoform
Concen: 127.128 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:173 Resp: 12598

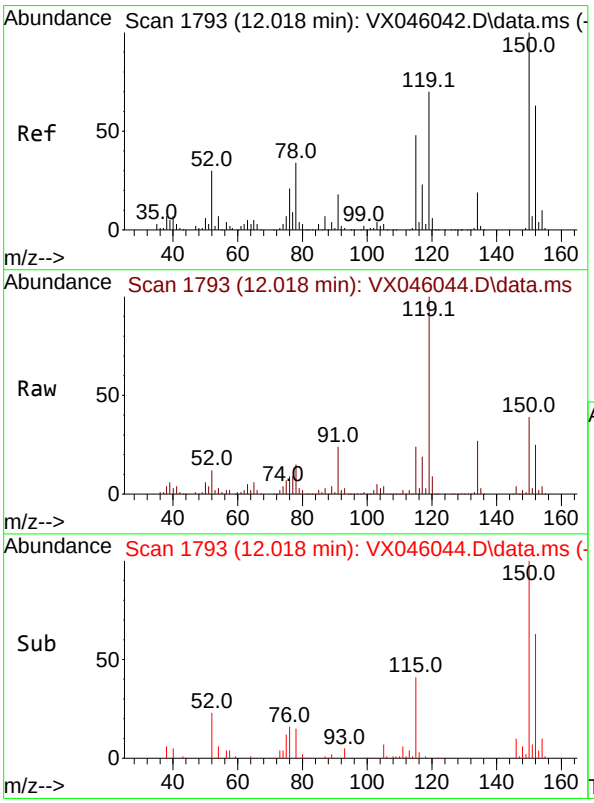
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.3 | 23.4 | 70.0 |
| 254 | 0.1 | 0.0 | 0.0# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

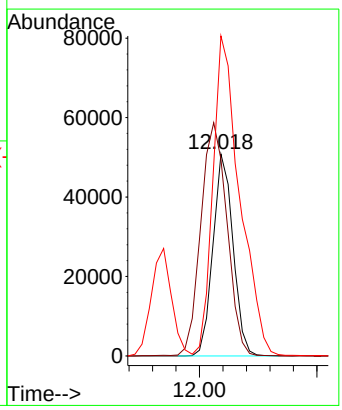
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

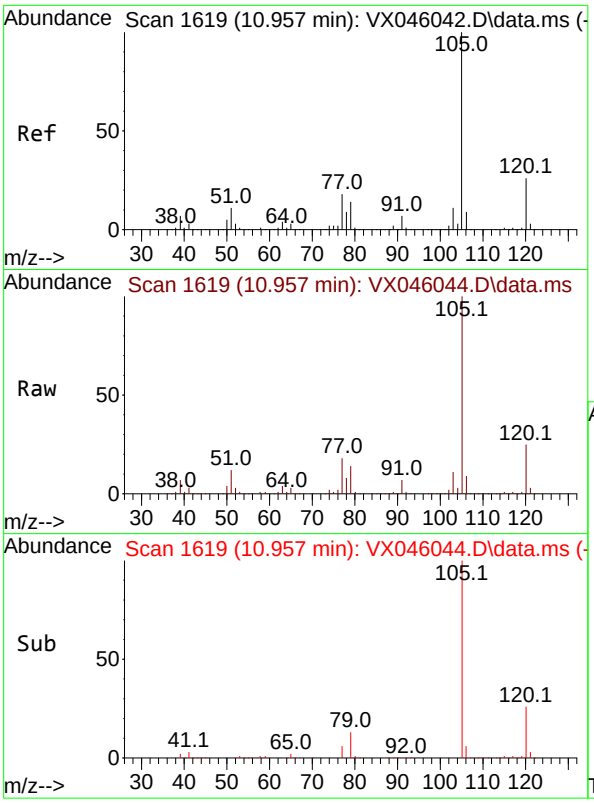



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:152 Resp: 60345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 150.7 | 46.9 | 140.7# |
| 150 | 211.6 | 0.0 | 351.0 |






#73
Isopropylbenzene
Concen: 114.312 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

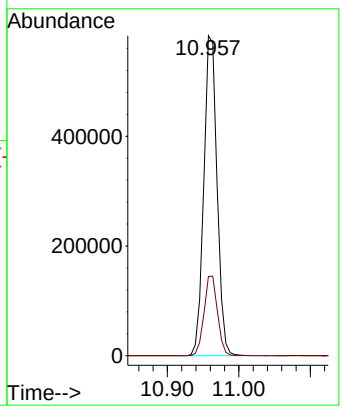
Tgt Ion:105 Resp: 75233

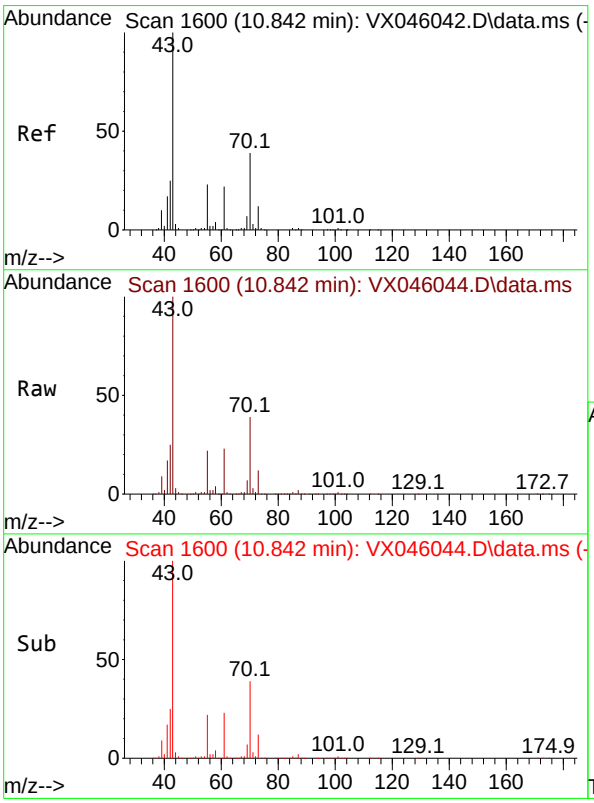
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.3 | 12.8 | 38.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

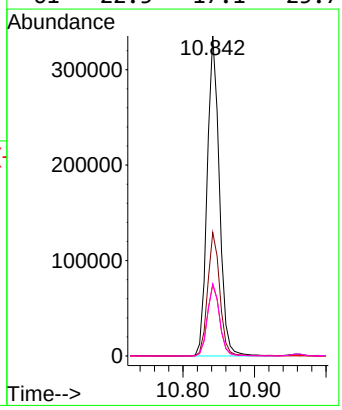


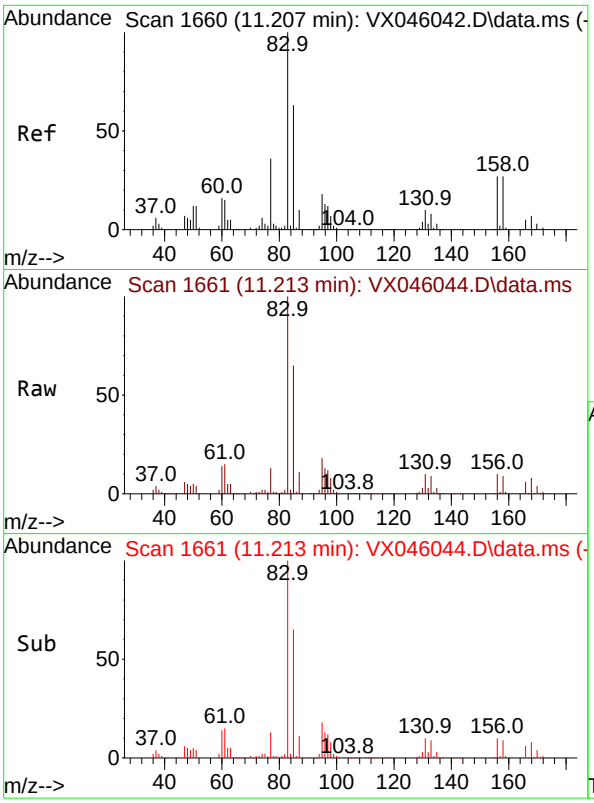




#74
N-amyl acetate
Concen: 120.944 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 396877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.5 | 30.9 | 46.3 |
| 55 | 22.5 | 18.7 | 28.1 |
| 61 | 22.5 | 17.1 | 25.7 |






#75
1,1,2,2-Tetrachloroethane
Concen: 104.018 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

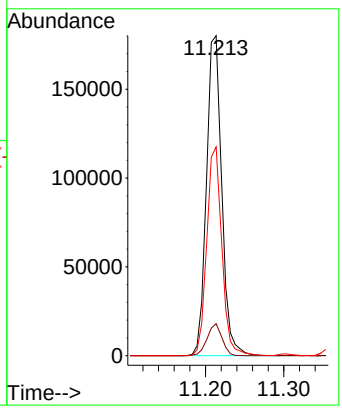
Tgt Ion: 83 Resp: 24353

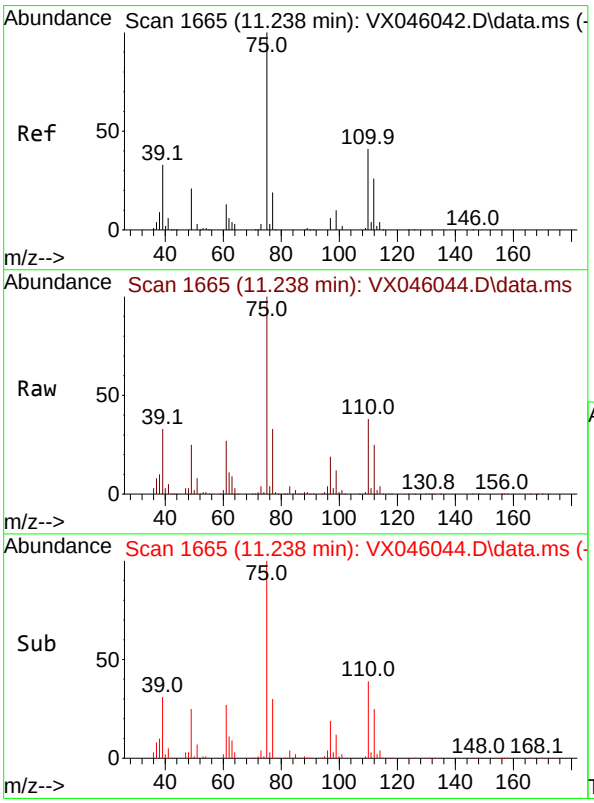
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 5.0 | 14.9 |
| 85 | 64.4 | 31.9 | 95.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

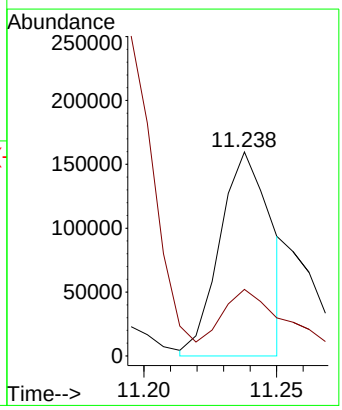


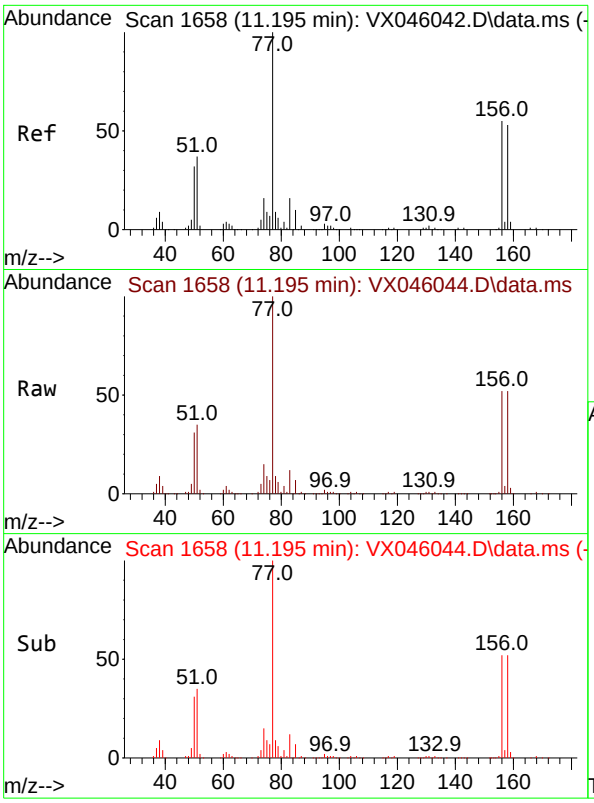




#76
1,2,3-Trichloropropane
Concen: 84.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 213744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.4 | 20.5 | 61.5 |






#77
Bromobenzene
Concen: 110.297 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

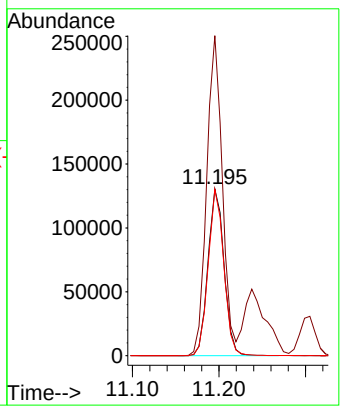
Tgt Ion:156 Resp: 16793

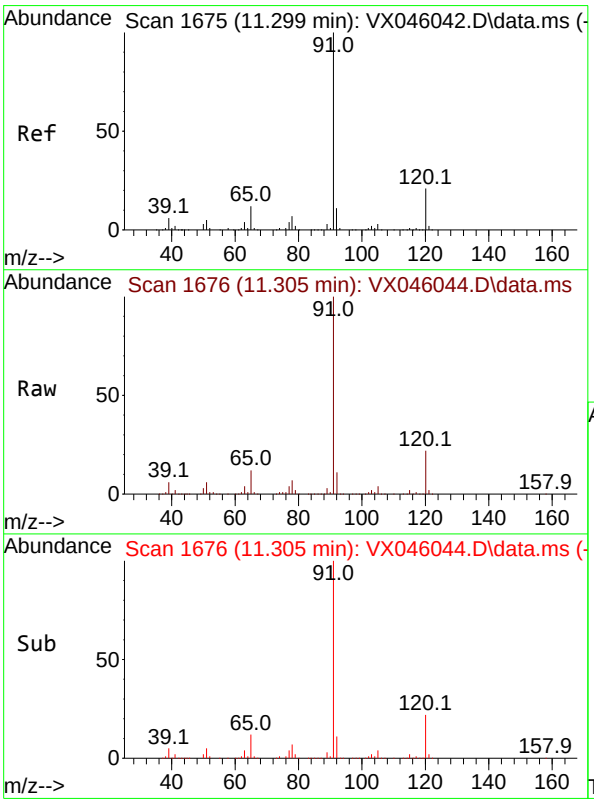
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 187.1 | 92.8 | 278.3 |
| 158 | 97.3 | 48.8 | 146.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

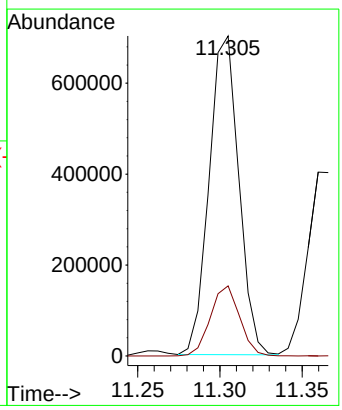


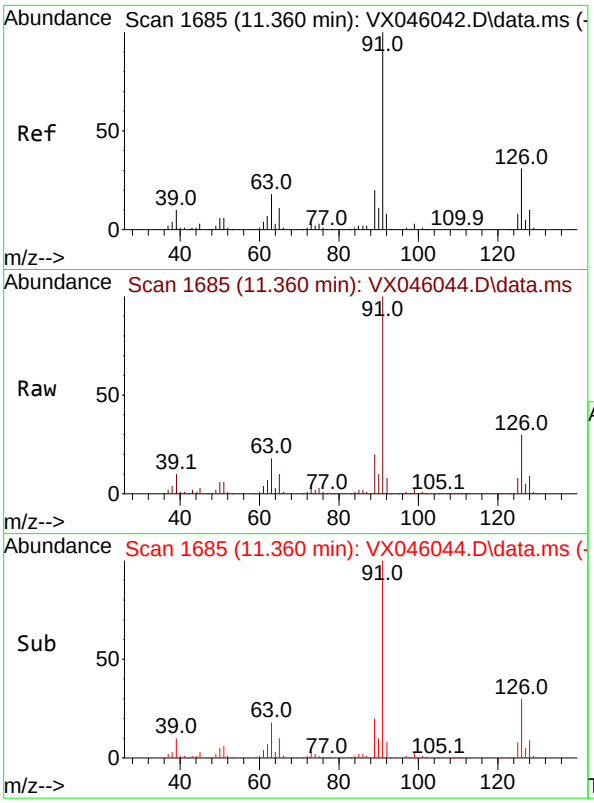




#78
n-propylbenzene
Concen: 119.448 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 881218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.7 | 10.8 | 32.4 |






#79
2-Chlorotoluene
Concen: 107.514 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

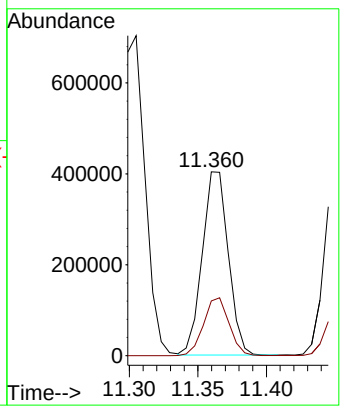
Tgt Ion: 91 Resp: 53456

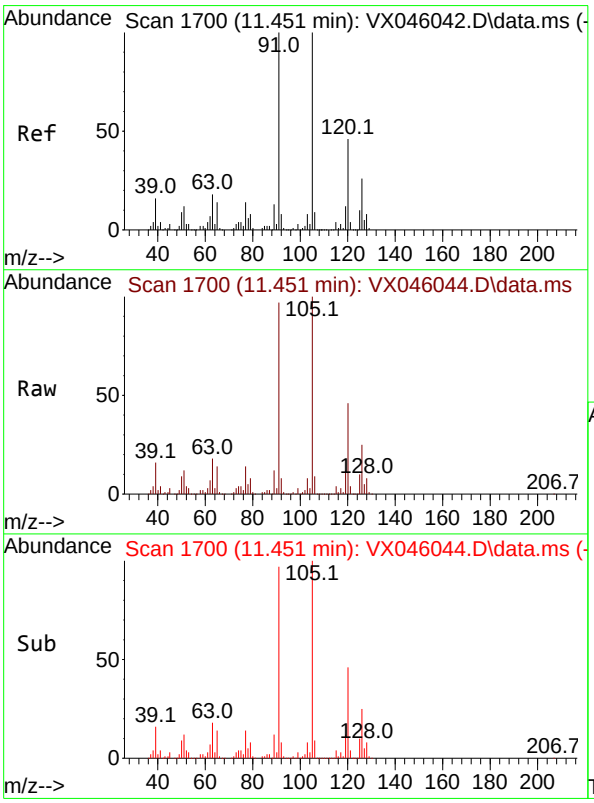
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.0 | 15.6 | 46.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

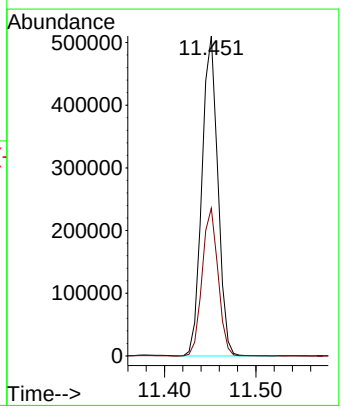


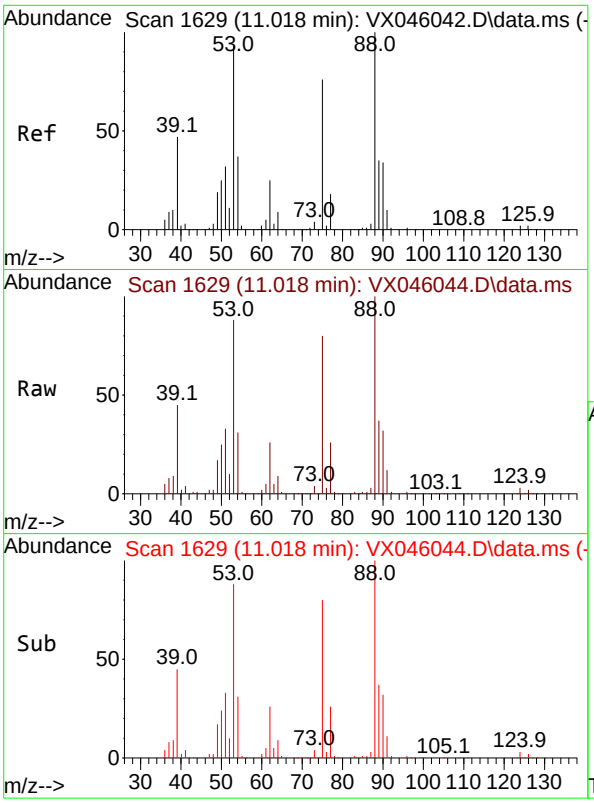




#80
1,3,5-Trimethylbenzene
Concen: 112.825 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 616477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.0 | 23.1 | 69.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 134.609 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

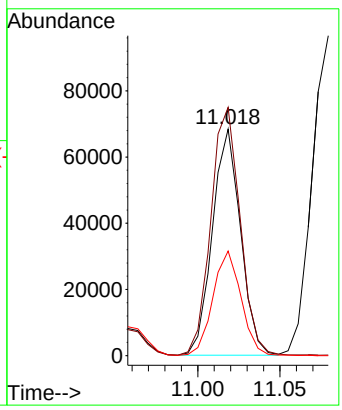
Tgt Ion: 75 Resp: 8137

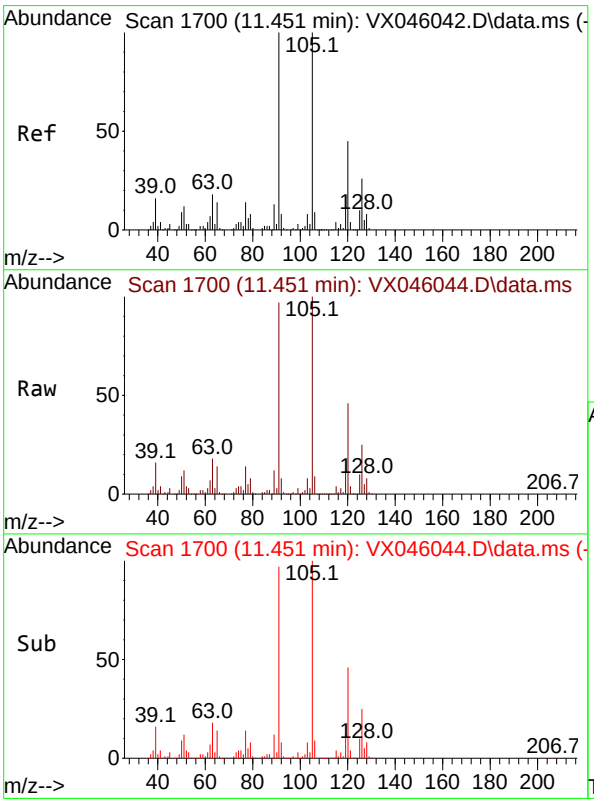
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 114.9 | 100.5 | 150.7 |
| 89 | 46.5 | 37.0 | 55.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

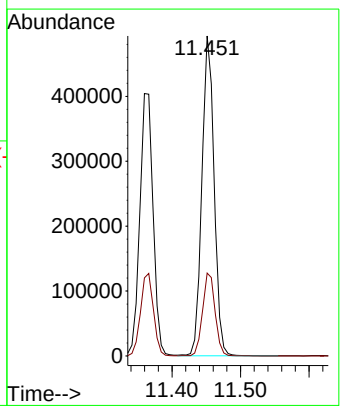


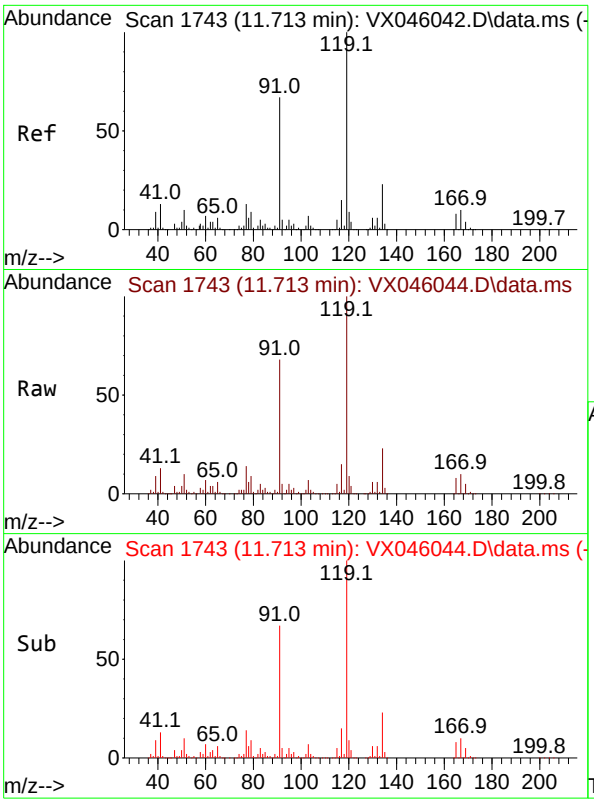




#82
4-Chlorotoluene
Concen: 111.948 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 611736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.7 | 13.3 | 39.8 |

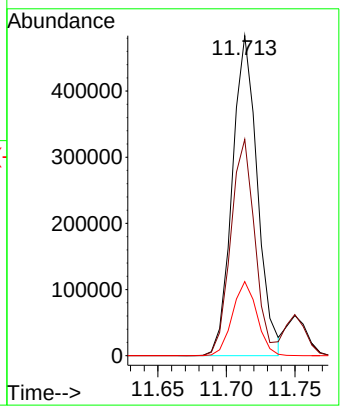





#83
tert-Butylbenzene
Concen: 115.065 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:119 Resp: 61747

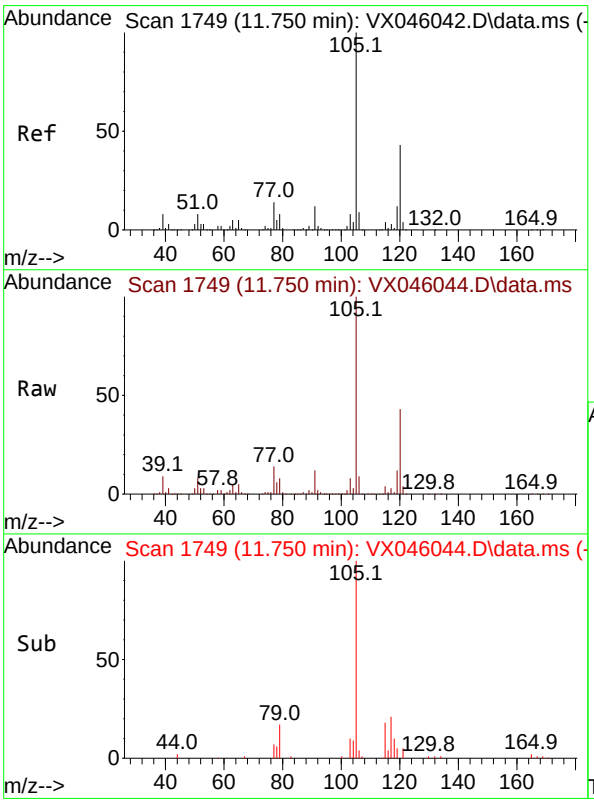
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.6 | 32.9 | 98.7 |
| 134 | 22.6 | 11.4 | 34.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

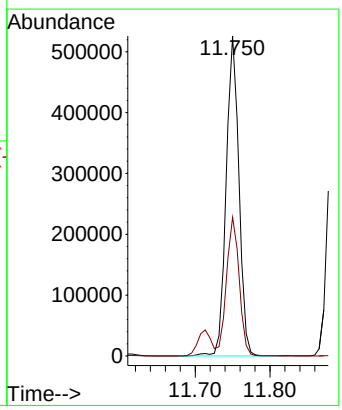
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

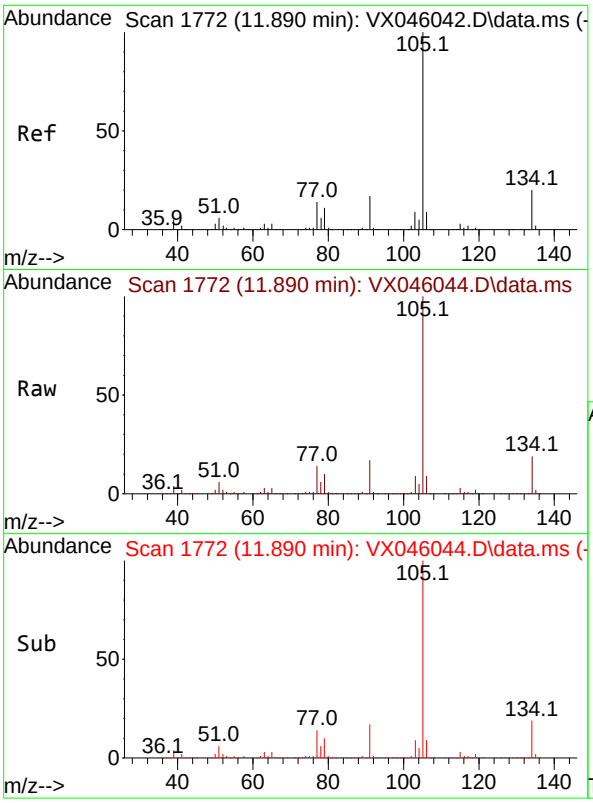



#84
1,2,4-Trimethylbenzene
Concen: 114.236 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 623456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.1 | 21.2 | 63.6 |

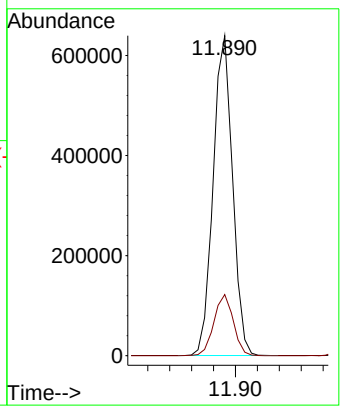





#85
sec-Butylbenzene
Concen: 118.023 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 78629

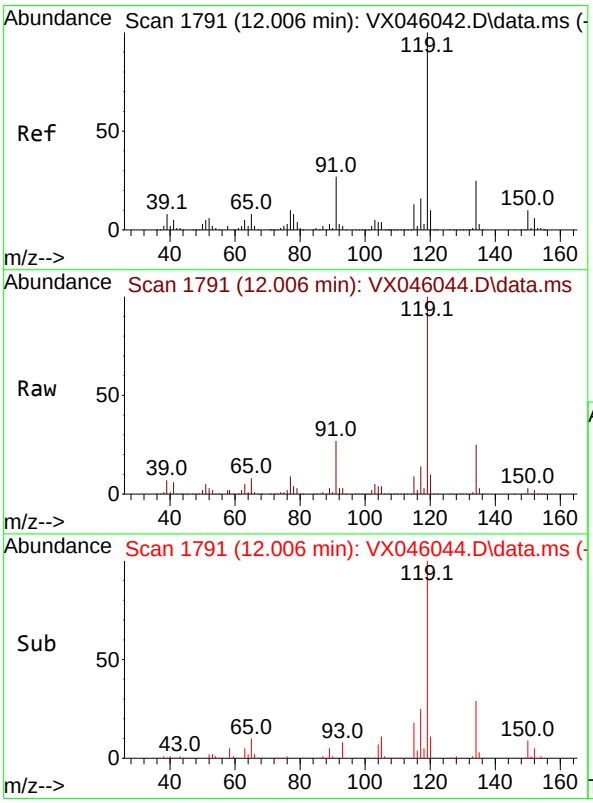
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.1 | 9.7 | 29.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

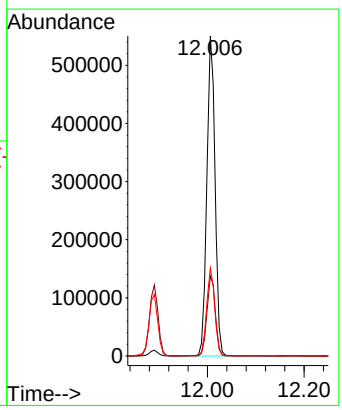
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

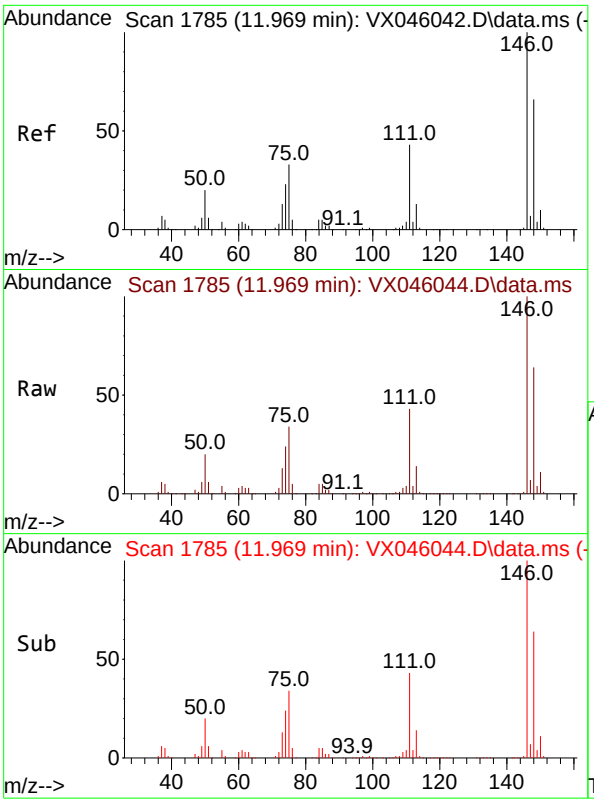



#86
p-Isopropyltoluene
Concen: 121.113 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:119 Resp: 651531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.4 | 12.5 | 37.5 |
| 91 | 27.0 | 13.8 | 41.4 |






#87
1,3-Dichlorobenzene
Concen: 110.394 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

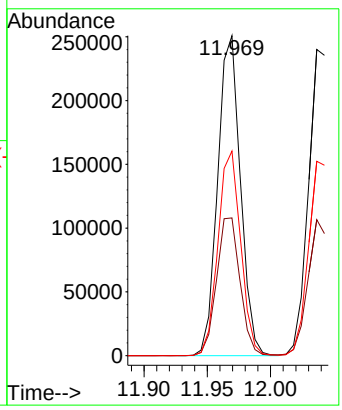
Tgt Ion:146 Resp: 31310

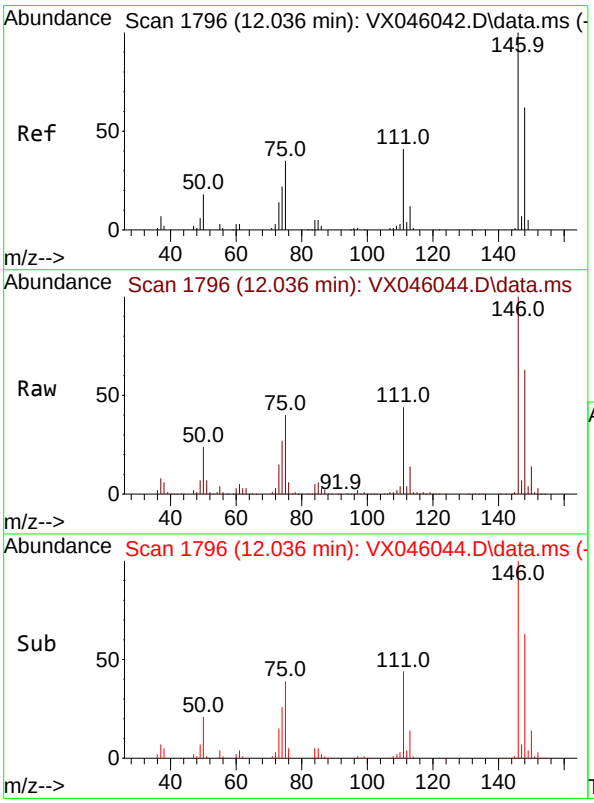
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.5 | 22.1 | 66.3 |
| 148 | 64.0 | 32.1 | 96.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

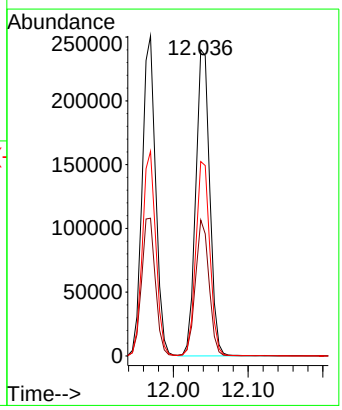


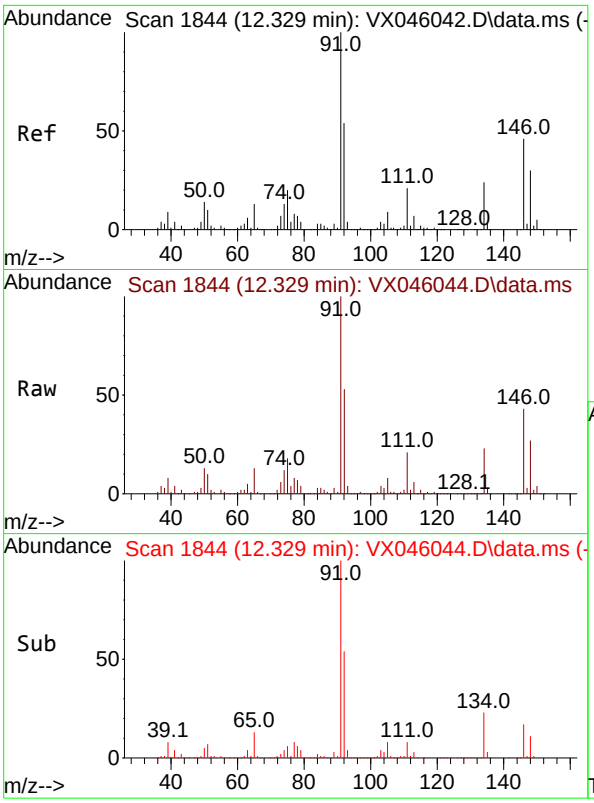




#88
1,4-Dichlorobenzene
Concen: 112.167 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:146 Resp: 311752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.3 | 63.9 |
| 148 | 63.9 | 31.9 | 95.5 |






#89
n-Butylbenzene
Concen: 129.533 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

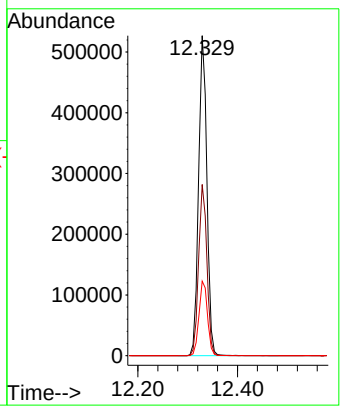
Tgt Ion: 91 Resp: 60578

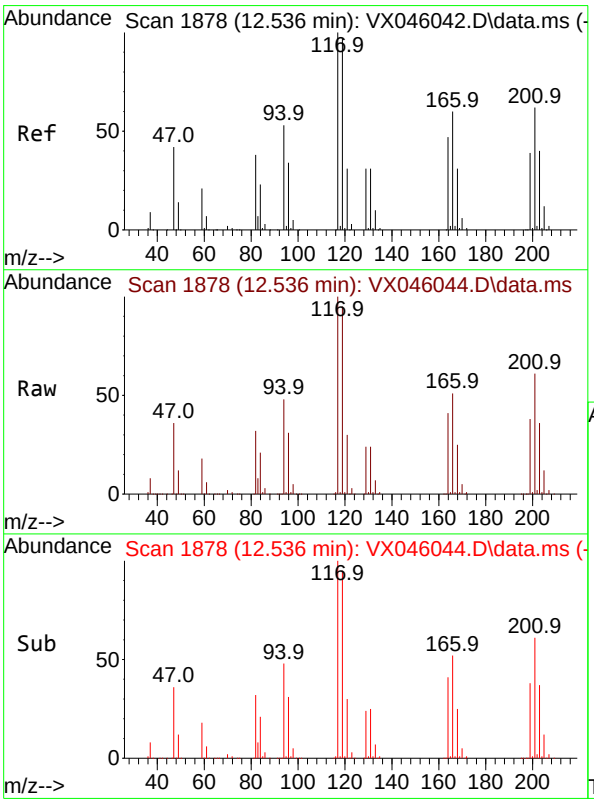
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 26.9 | 80.7 |
| 134 | 24.0 | 11.8 | 35.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

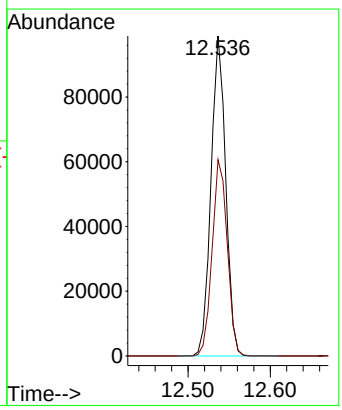


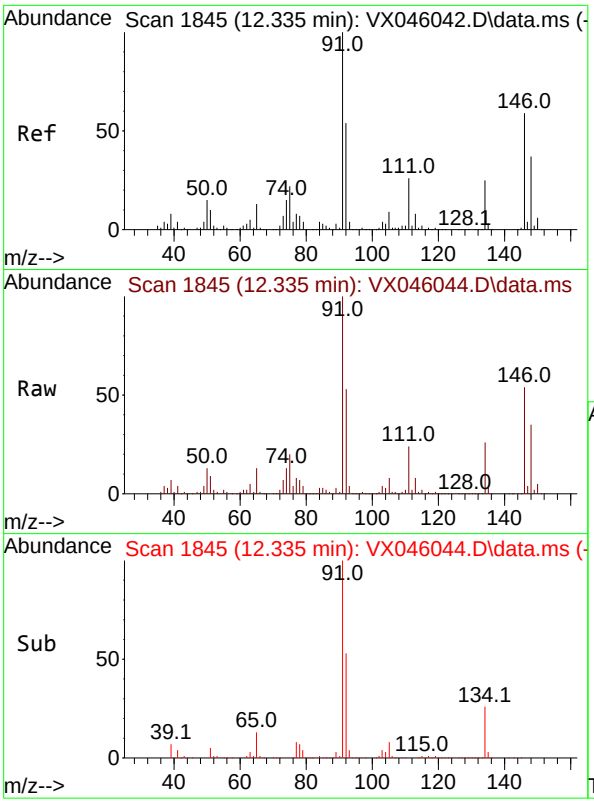




#90
Hexachloroethane
Concen: 123.091 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 123188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.2 | 31.6 | 94.7 |

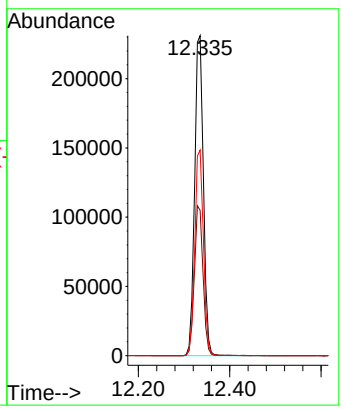





#91
1,2-Dichlorobenzene
Concen: 111.506 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:146 Resp: 30803

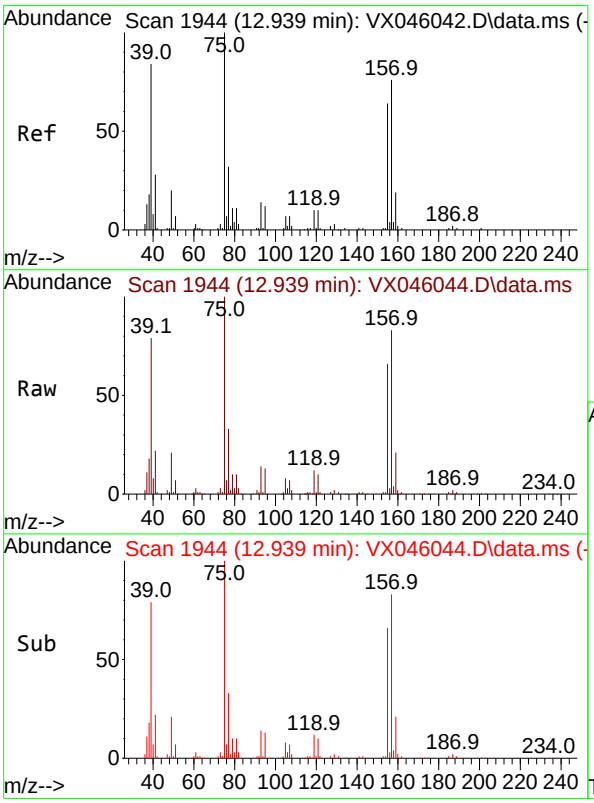
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.3 | 22.4 | 67.3 |
| 148 | 63.6 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

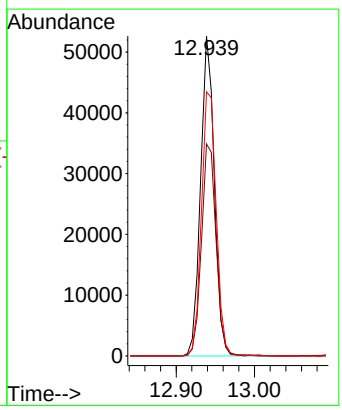
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

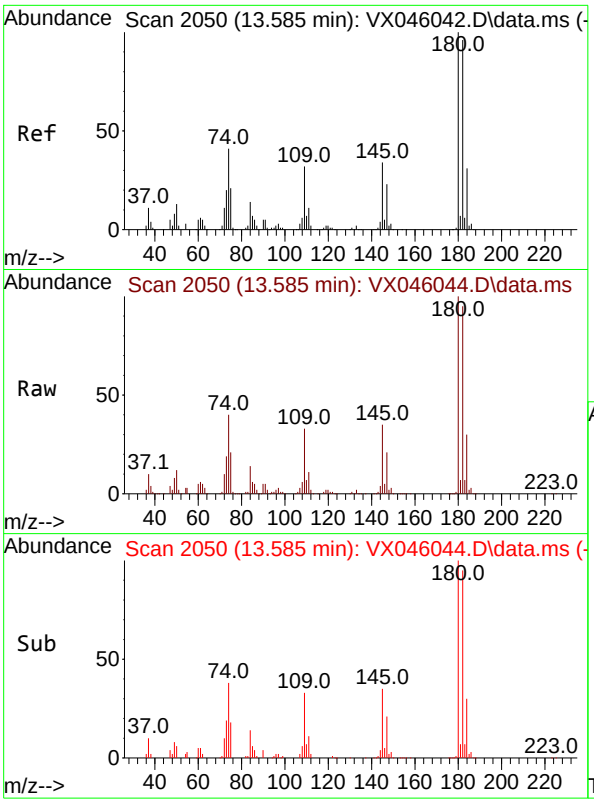



#92
1,2-Dibromo-3-Chloropropane
Concen: 120.915 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 64438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 69.6 | 34.9 | 104.8 |
| 157 | 88.4 | 43.8 | 131.4 |






#93
1,2,4-Trichlorobenzene
Concen: 134.366 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

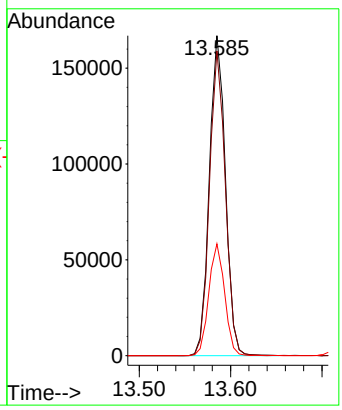
Tgt Ion:180 Resp: 20325

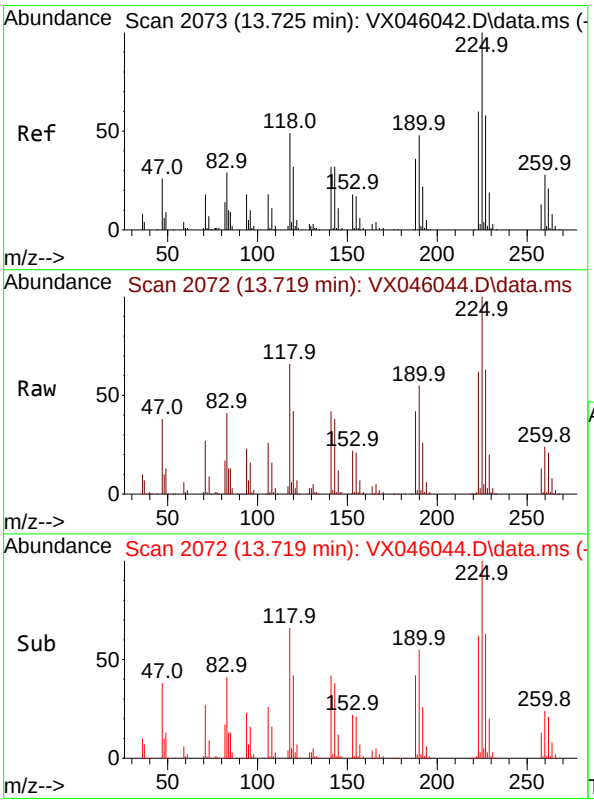
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.1 | 47.9 | 143.8 |
| 145 | 34.5 | 17.1 | 51.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

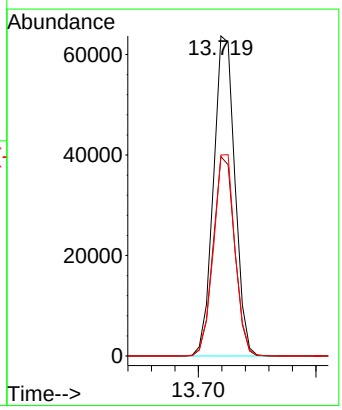


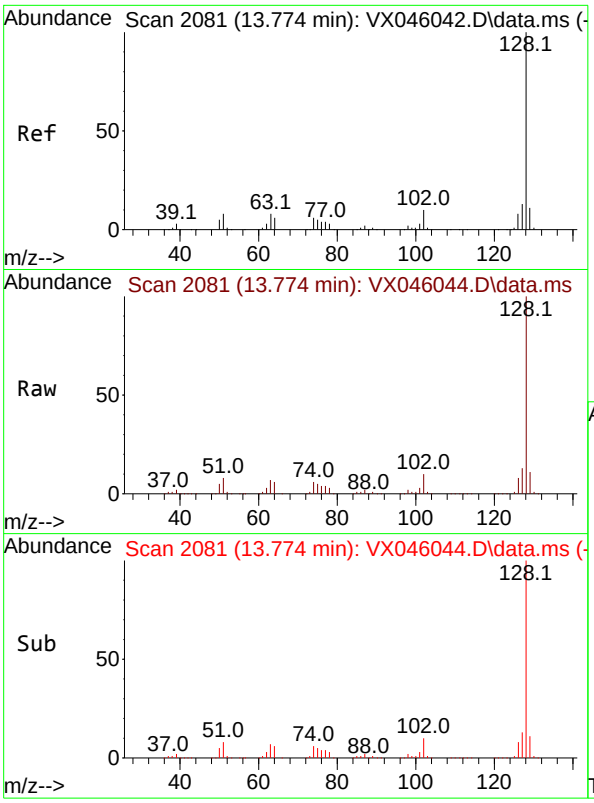




#94
Hexachlorobutadiene
Concen: 113.857 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:225 Resp: 80558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 30.8 | 92.4 |
| 227 | 63.1 | 30.9 | 92.7 |

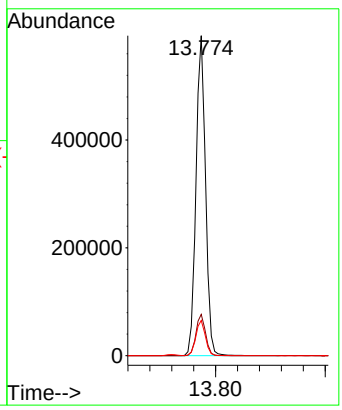





#95
Naphthalene
Concen: 130.929 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:128 Resp: 72123

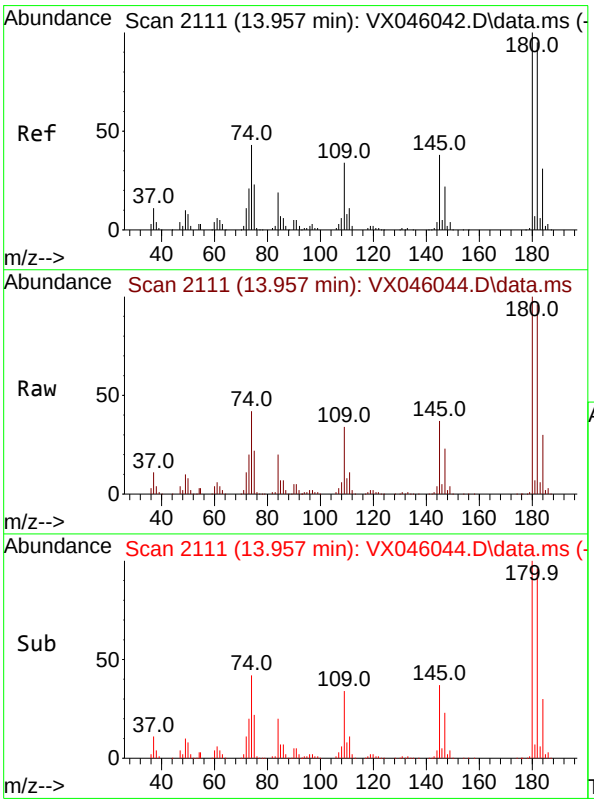
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.4 | 15.6 |
| 129 | 11.0 | 8.6 | 13.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

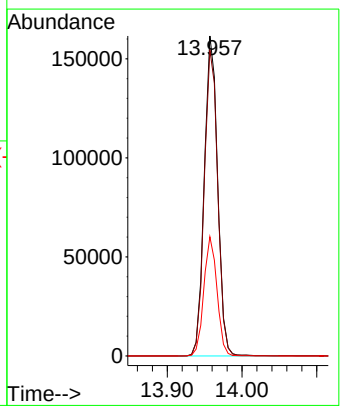
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025




#96
1,2,3-Trichlorobenzene
Concen: 126.331 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:180 Resp: 200379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 47.8 | 143.3 |
| 145 | 36.7 | 18.1 | 54.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 96964 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 168484 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 147167 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 67939 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 9067 | 3.143 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 6.280%# | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 5969 | 3.161 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 6.320%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 20566 | 3.232 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 6.460%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 7822 | 3.378 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 6.760%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 6195 | 2.894 | ug/l | | 95 |
| 3) Chloromethane | 1.307 | 50 | 6587 | 3.125 | ug/l | | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 5999 | 3.249 | ug/l | | 96 |
| 5) Bromomethane | 1.593 | 94 | 2962 | 3.164 | ug/l | | 88 |
| 6) Chloroethane | 1.666 | 64 | 3567 | 3.750 | ug/l | | 94 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 9599 | 3.413 | ug/l | | 88 |
| 8) Diethyl Ether | 2.130 | 74 | 3020 | 3.266 | ug/l | | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 5911 | 3.517 | ug/l | | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 5900 | 2.990 | ug/l | | 99 |
| 11) Tert butyl alcohol | 2.965 | 59 | 5539 | 16.111 | ug/l | | 98 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 5496 | 3.359 | ug/l | | 97 |
| 13) Acrolein | 2.233 | 56 | 5673 | 14.206 | ug/l | | 95 |
| 14) Allyl chloride | 2.654 | 41 | 10262 | 3.319 | ug/l | | 98 |
| 15) Acrylonitrile | 3.062 | 53 | 16746 | 16.282 | ug/l | | 97 |
| 16) Acetone | 2.380 | 43 | 19773 | 20.036 | ug/l | | 98 |
| 17) Carbon Disulfide | 2.501 | 76 | 11068 | 2.919 | ug/l | | 96 |
| 18) Methyl Acetate | 2.703 | 43 | 7909 | 3.357 | ug/l | | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 18497 | 3.241 | ug/l | | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 6680 | 3.341 | ug/l | | 97 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 5402 | 3.234 | ug/l | | 100 |
| 22) Diisopropyl ether | 3.751 | 45 | 18657 | 3.230 | ug/l | # | 65 |
| 23) Vinyl Acetate | 3.715 | 43 | 82328 | 16.127 | ug/l | | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 11193 | 3.297 | ug/l | | 99 |
| 25) 2-Butanone | 4.562 | 43 | 26125 | 18.340 | ug/l | | 98 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 8245 | 3.205 | ug/l | | 96 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 6222 | 3.089 | ug/l | | 95 |
| 28) Bromochloromethane | 4.891 | 49 | 5360 | 2.969 | ug/l | # | 100 |
| 29) Tetrahydrofuran | 5.001 | 42 | 15431 | 16.680 | ug/l | | 98 |
| 30) Chloroform | 5.080 | 83 | 11624 | 3.294 | ug/l | | 89 |
| 31) Cyclohexane | 5.458 | 56 | 10269 | 3.588 | ug/l | | 96 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 9827 | 3.229 | ug/l | | 97 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 7787 | 3.551 | ug/l | | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 9806m | 3.565 | ug/l | | |
| 38) Carbon Tetrachloride | 5.659 | 117 | 8505 | 3.376 | ug/l | | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 9882 | 3.597 | ug/l | | 93 |
| 40) Benzene | 6.031 | 78 | 22528 | 3.315 | ug/l | | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 4851 | 3.174 | ug/l | # | 65 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 10011 | 3.563 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.348 | 43 | 13914 | 3.309 | ug/l | | 96 |
| 44) Trichloroethene | 7.123 | 130 | 5313 | 3.307 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 5451 | 3.228 | ug/l | # | 89 |
| 46) Dibromomethane | 7.580 | 93 | 4417 | 3.318 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.818 | 83 | 8394 | 3.254 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.696 | 41 | 7171 | 3.321 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.659 | 88 | 2907 | 67.721 | ug/l | | 96 |
| 51) 4-Methyl-2-Pentanone | 8.567 | 43 | 46794 | 16.967 | ug/l | | 98 |
| 52) Toluene | 8.714 | 92 | 14126 | 3.505 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 6834 | 3.155 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 7908 | 3.129 | ug/l | | 91 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 5685 | 3.490 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 8555 | 3.390 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 10127 | 3.508 | ug/l | | 94 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 20809 | 18.346 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 34853 | 16.651 | ug/l | | 97 |
| 60) Dibromochloromethane | 9.518 | 129 | 5500 | 3.102 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 5614 | 3.356 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 4752 | 3.162 | ug/l | | 96 |
| 65) Chlorobenzene | 10.079 | 112 | 15391 | 3.399 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 5024 | 3.326 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 26732 | 3.463 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 19957 | 7.156 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 9398 | 3.343 | ug/l | | 95 |
| 70) Styrene | 10.652 | 104 | 14900 | 3.312 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 3470 | 3.059 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 24201 | 3.266 | ug/l | | 98 |
| 74) N-amyl acetate | 10.841 | 43 | 11224 | 3.038 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 9170 | 3.479 | ug/l | | 97 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 7928m | 2.799 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 5857 | 3.417 | ug/l | | 96 |
| 78) n-propylbenzene | 11.299 | 91 | 28436 | 3.424 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 18672 | 3.336 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 20742 | 3.372 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 1828 | 2.686 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 19966 | 3.245 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 21049 | 3.484 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 20613 | 3.355 | ug/l | | 97 |
| 85) sec-Butylbenzene | 11.890 | 105 | 25590 | 3.412 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 20955 | 3.460 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 10585 | 3.315 | ug/l | | 97 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 10908 | 3.486 | ug/l | | 90 |
| 89) n-Butylbenzene | 12.329 | 91 | 18004 | 3.419 | ug/l | | 94 |
| 90) Hexachloroethane | 12.536 | 117 | 3553 | 3.153 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 10712 | 3.444 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 1687 | 2.812 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 5720 | 3.359 | ug/l | | 96 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 2816 | 3.535 | ug/l | | 96 |
| 95) Naphthalene | 13.774 | 128 | 19902 | 3.209 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 5745 | 3.217 | ug/l | | 97 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

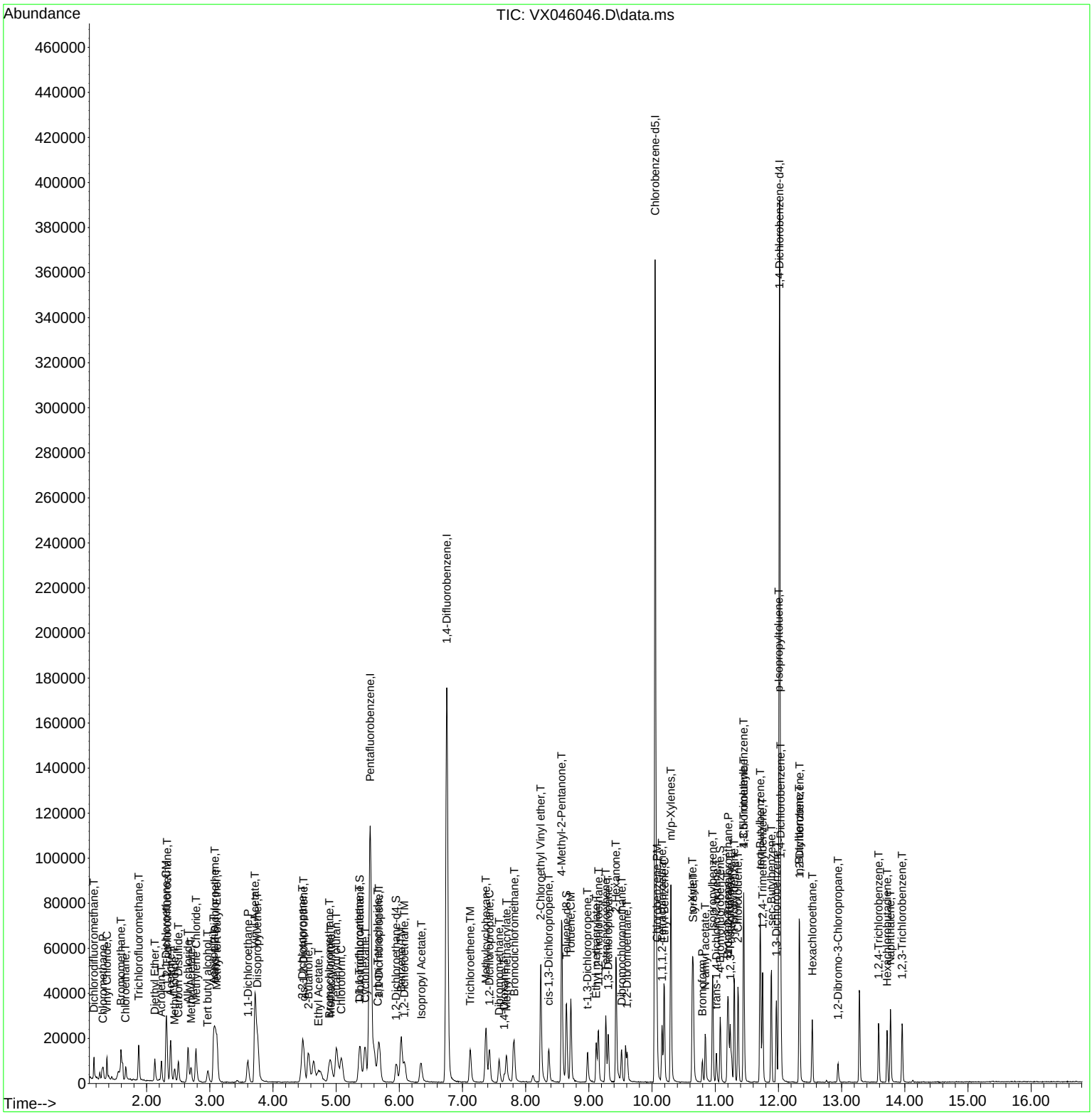
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

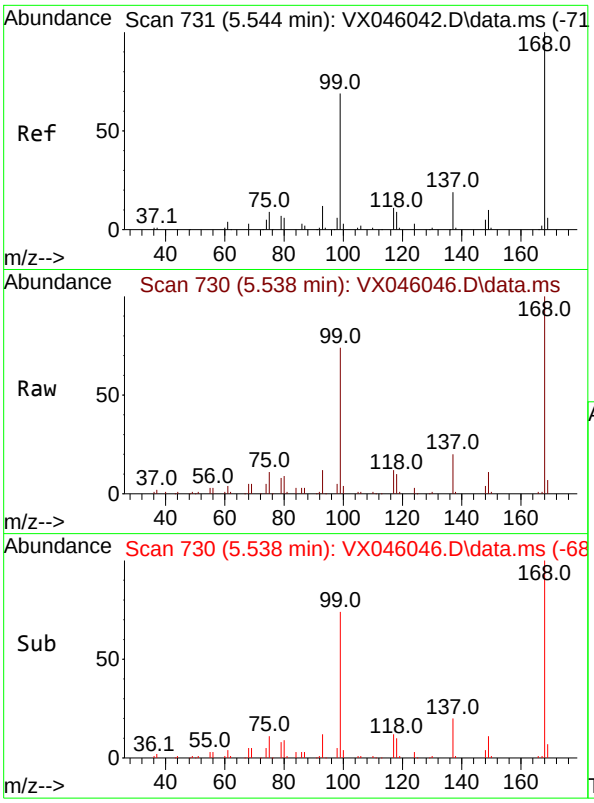
Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

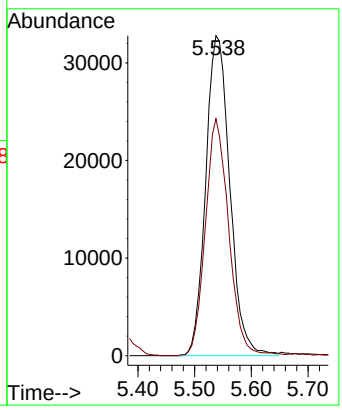





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:168 Resp: 9696

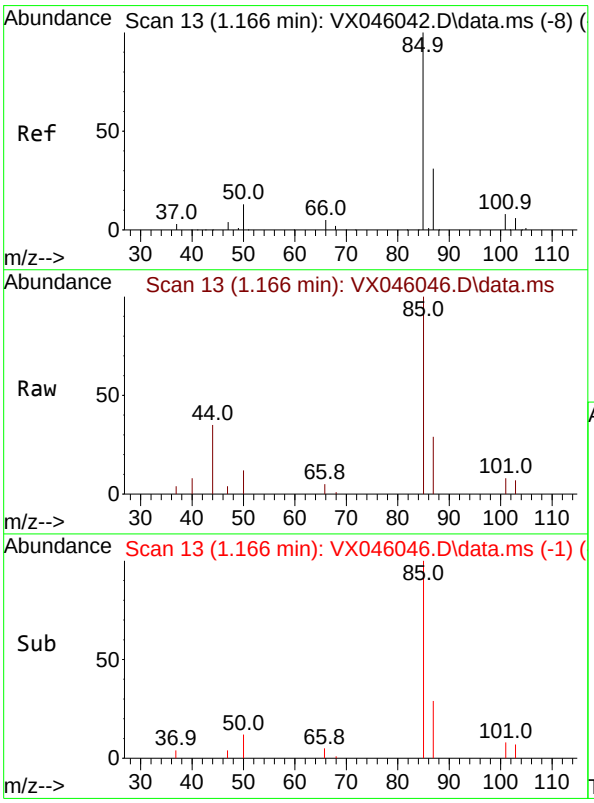
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 74.0 | 54.9 | 82.3 |




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

**Manual Integrations**
**APPROVED**

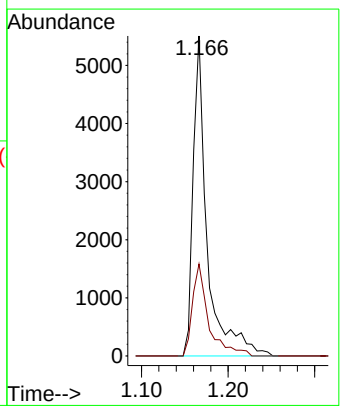
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

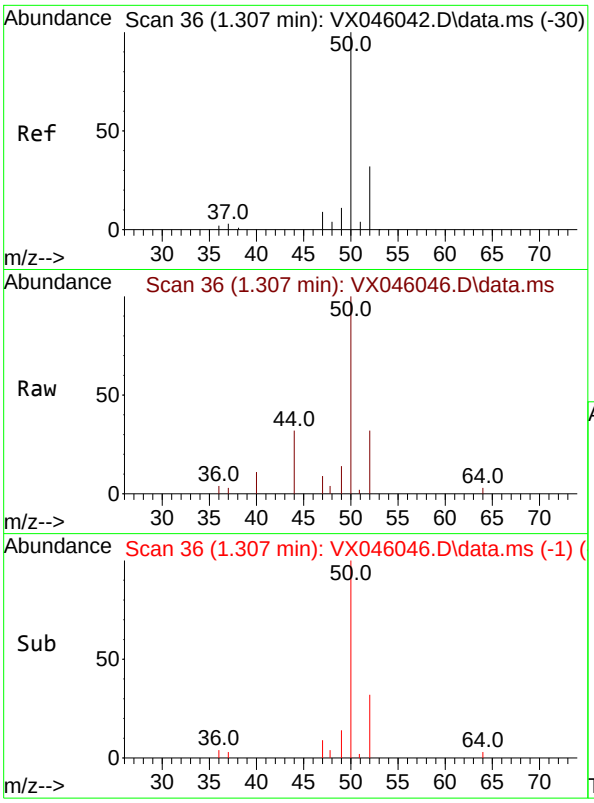



#2
Dichlorodifluoromethane
Concen: 2.894 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 85 Resp: 6195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 28.7 | 15.7 | 47.1 |

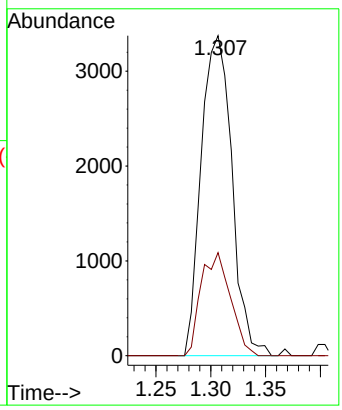





#3
Chloromethane
Concen: 3.125 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 50 Resp: 658

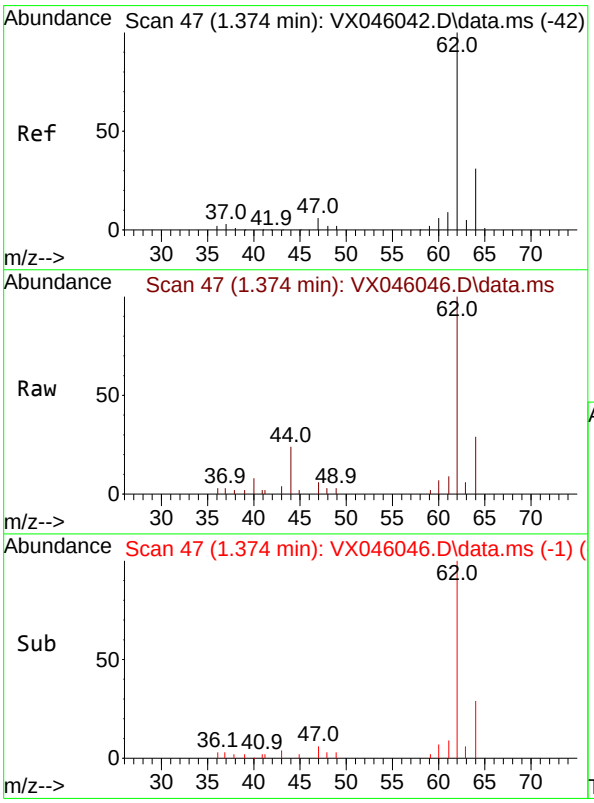
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 25.4 | 38.2 |




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

**Manual Integrations**
**APPROVED**

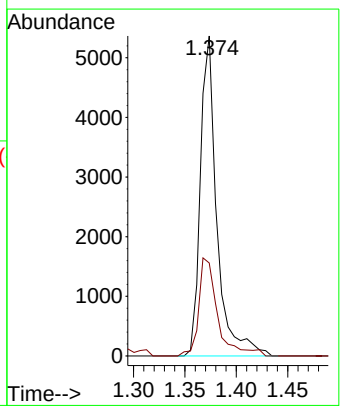
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

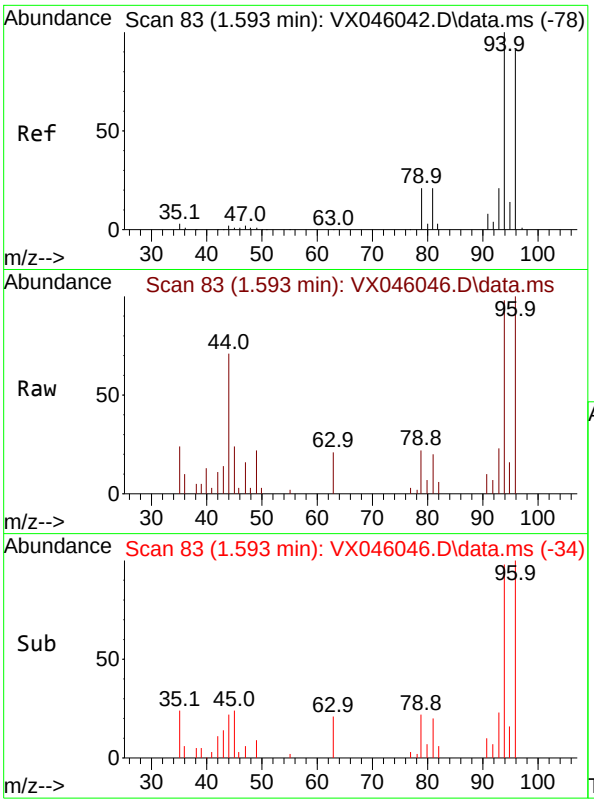



#4
Vinyl Chloride
Concen: 3.249 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 5999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.1 | 25.2 | 37.8 |

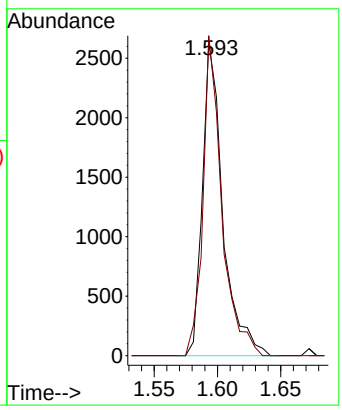





#5
Bromomethane
Concen: 3.164 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 94 Resp: 296

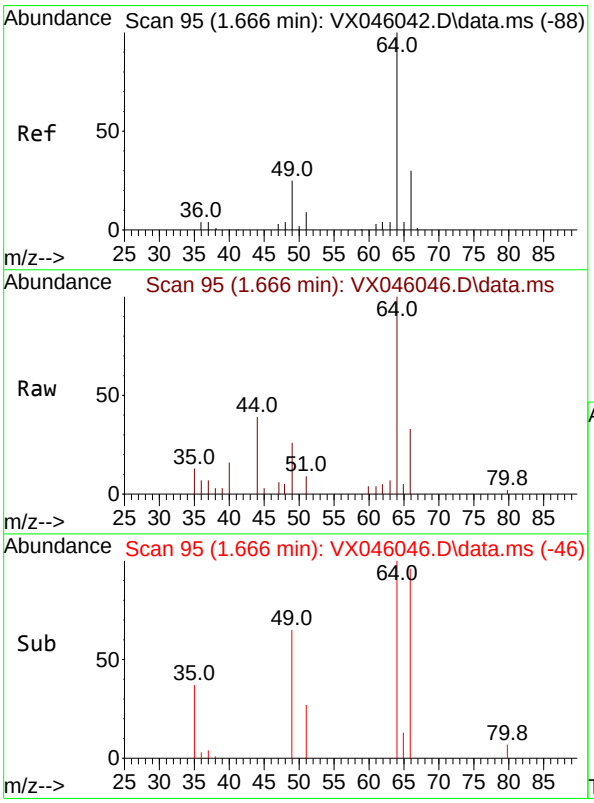
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 102.2 | 72.8 | 109.2 |




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

**Manual Integrations**
**APPROVED**

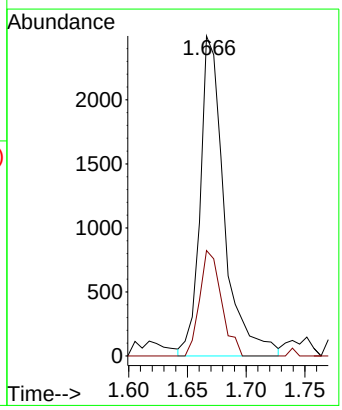
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

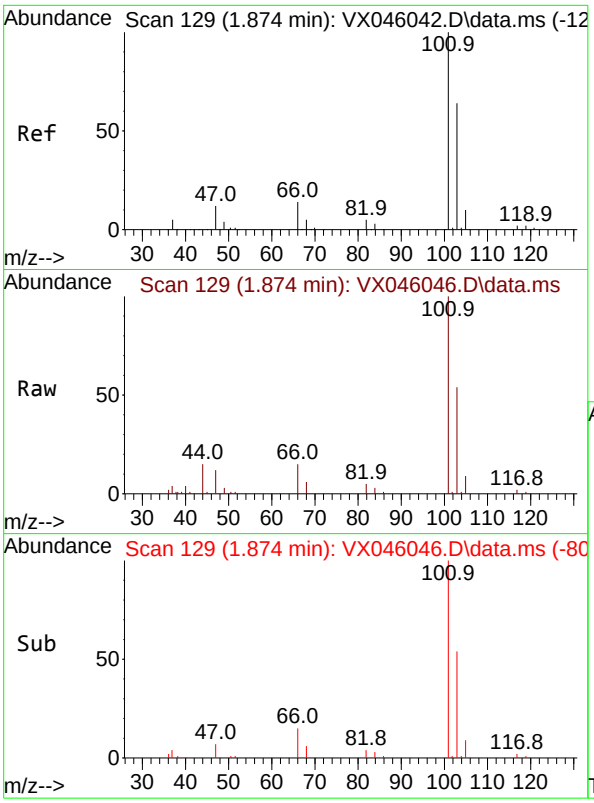



#6
Chloroethane
Concen: 3.750 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 64 Resp: 3567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.7 | 24.3 | 36.5 |

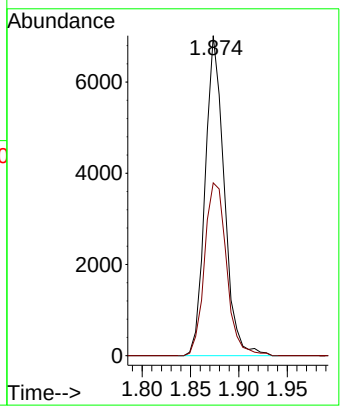





#7
Trichlorofluoromethane
Concen: 3.413 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:101 Resp: 959

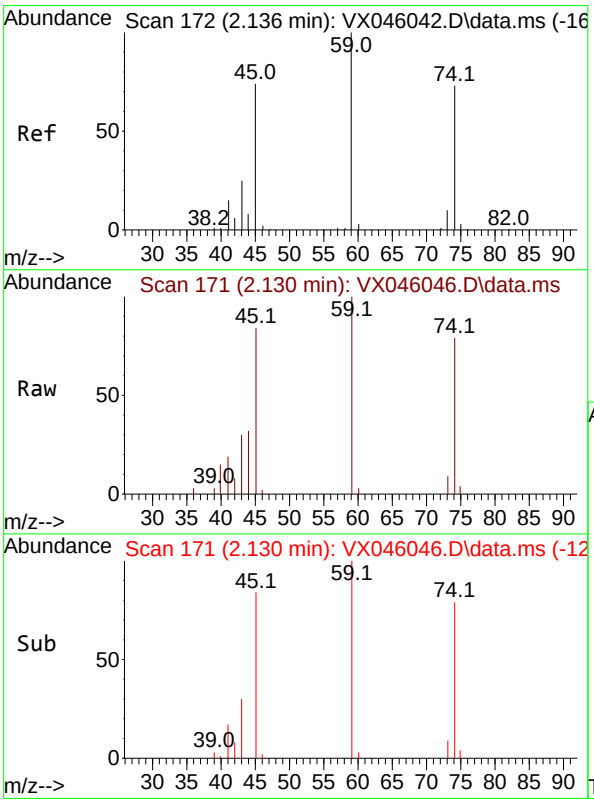
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 54.0 | 51.0 | 76.4 |




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

**Manual Integrations**
**APPROVED**

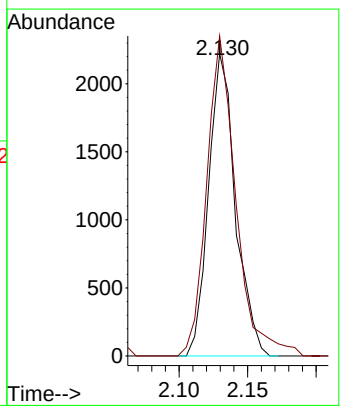
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

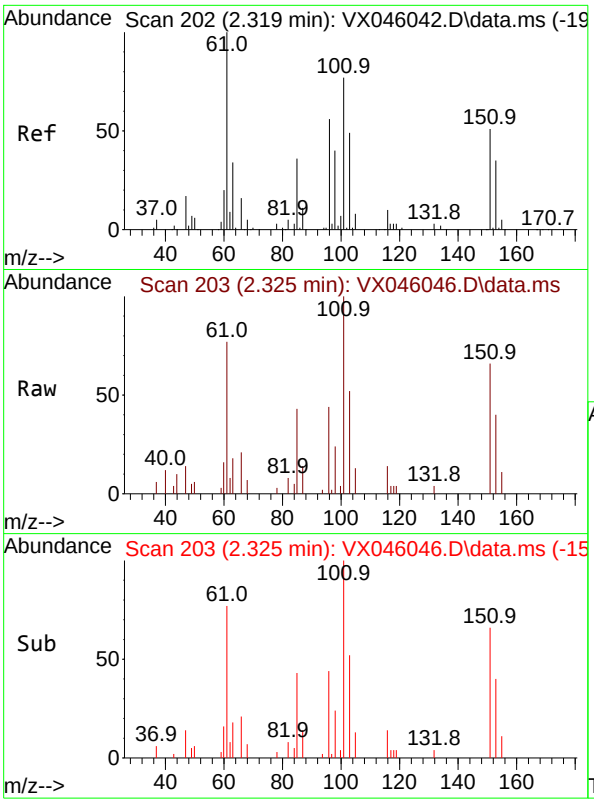



#8
Diethyl Ether
Concen: 3.266 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 74 Resp: 3020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 115.1 | 54.9 | 164.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.517 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

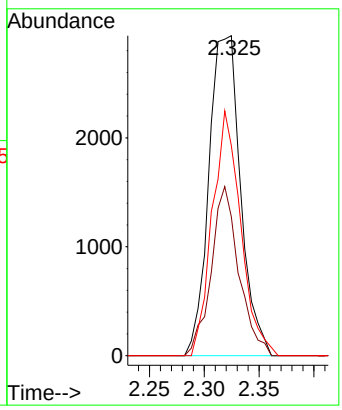
Tgt Ion:101 Resp: 591

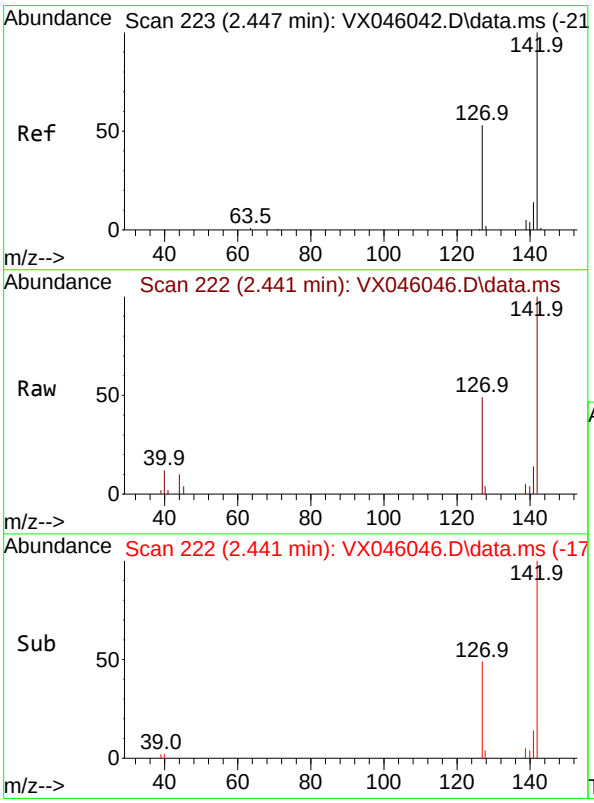
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 38.6 | 58.0 |
| 151 | 68.8 | 55.2 | 82.8 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

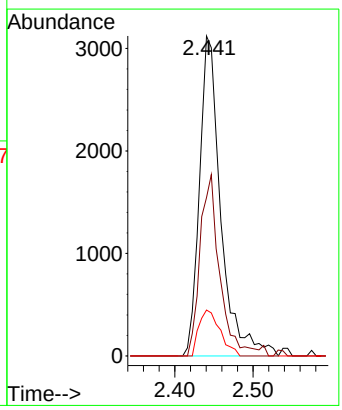


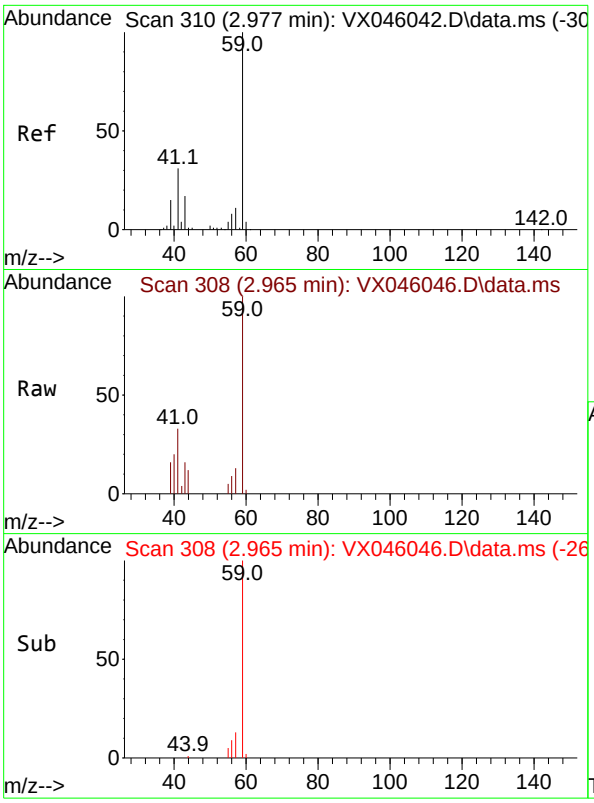




#10
Methyl Iodide
Concen: 2.990 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:142 Resp: 5900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.8 | 41.7 | 62.5 |
| 141 | 14.3 | 11.5 | 17.3 |

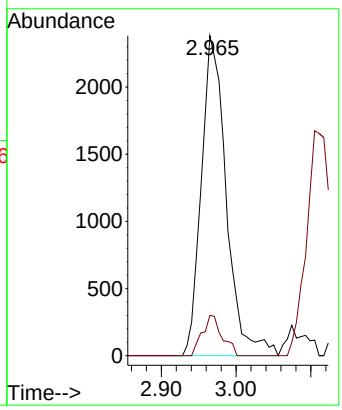





#11
Tert butyl alcohol
Concen: 16.111 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 59 Resp: 553

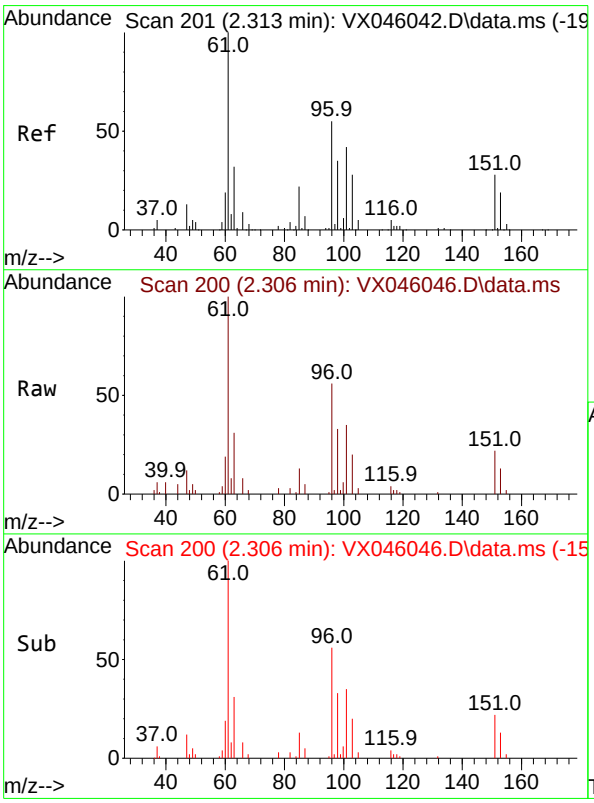
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.0 | 8.6 | 12.8 |




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

**Manual Integrations**
**APPROVED**

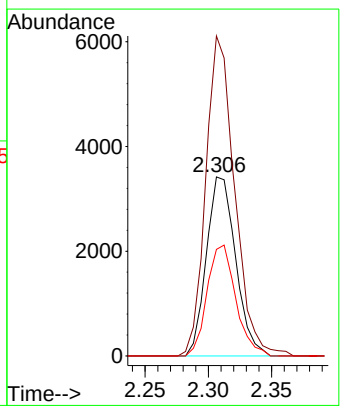
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

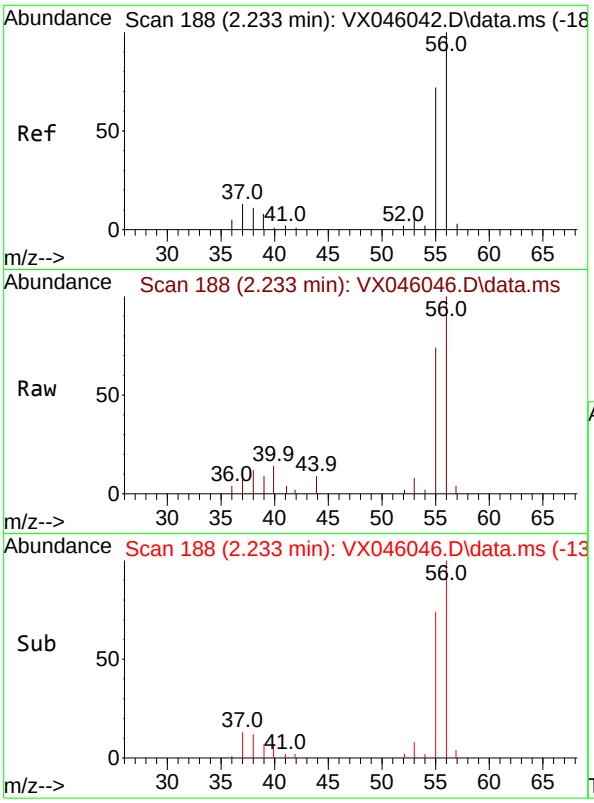



#12
1,1-Dichloroethene
Concen: 3.359 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 5496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 178.7 | 146.2 | 219.2 |
| 98 | 59.5 | 51.0 | 76.6 |

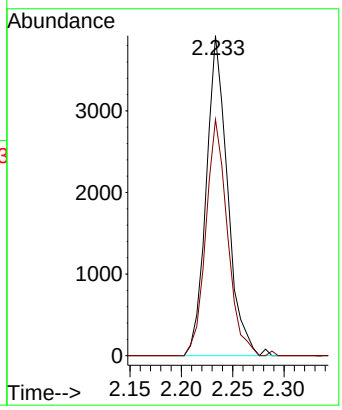





#13
Acrolein
Concen: 14.206 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 56 Resp: 567

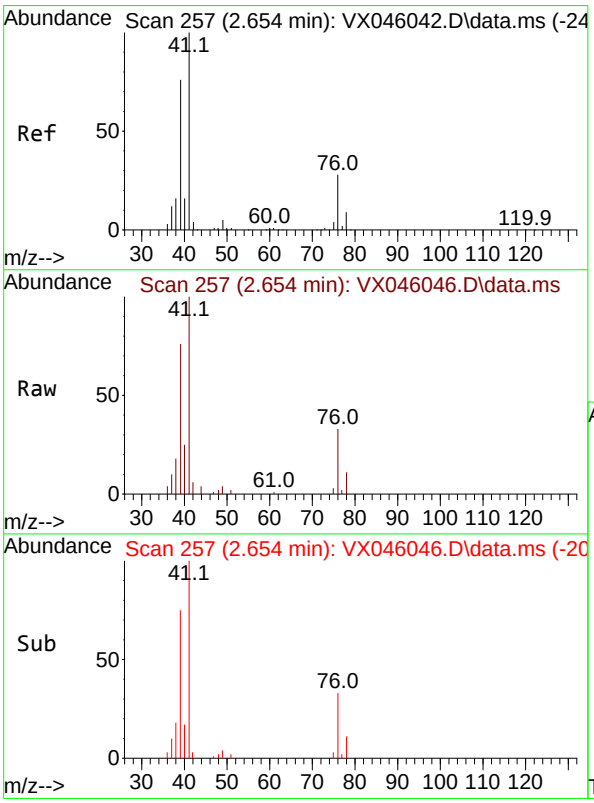
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 74.5 | 56.2 | 84.4 |




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

**Manual Integrations**
**APPROVED**

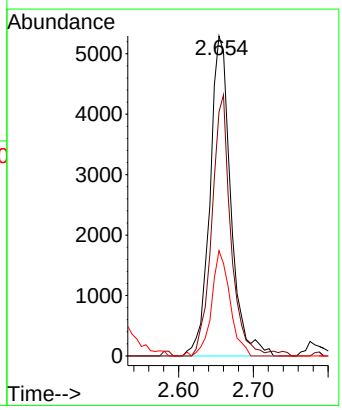
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

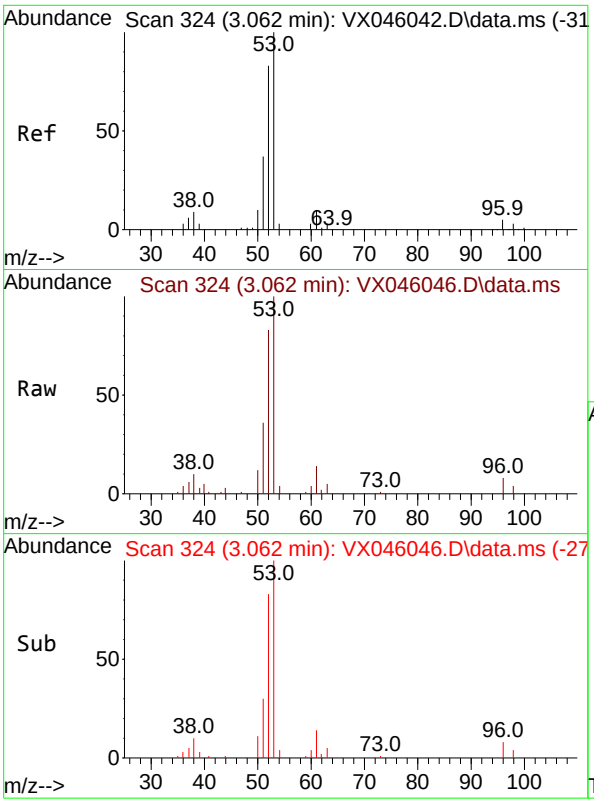



#14
Allyl chloride
Concen: 3.319 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 10262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.1 | 60.6 | 90.8 |
| 76 | 29.1 | 24.9 | 37.3 |

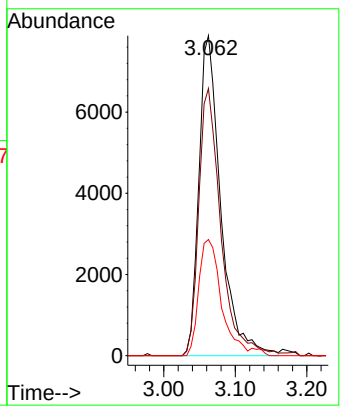





#15
Acrylonitrile
Concen: 16.282 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 53 Resp: 1674

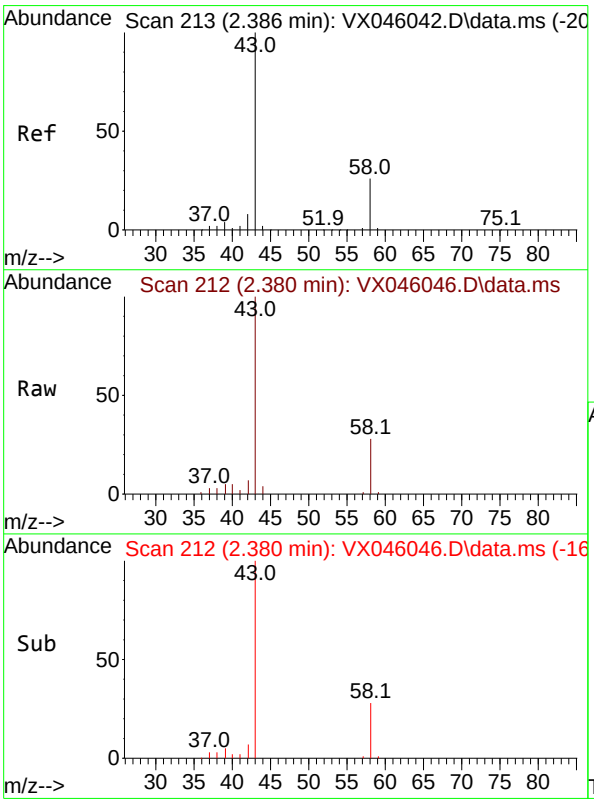
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.3 | 65.3 | 97.9 |
| 51 | 38.5 | 29.8 | 44.8 |




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

**Manual Integrations**
**APPROVED**

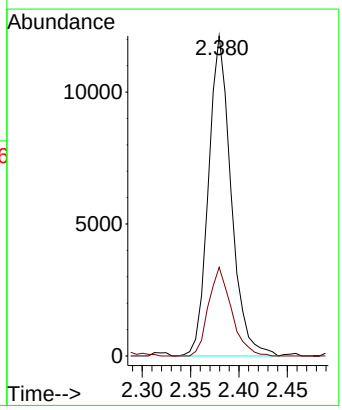
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

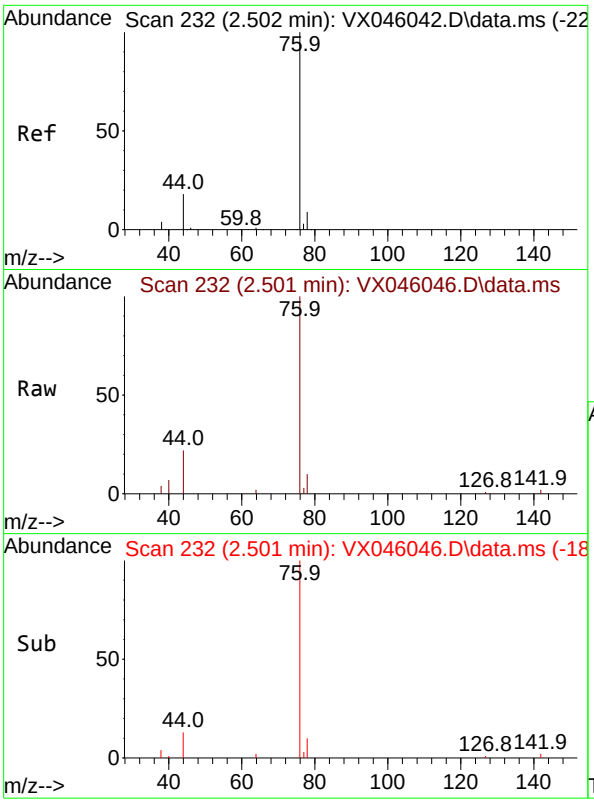



#16
Acetone
Concen: 20.036 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 19773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.7 | 21.2 | 31.8 |

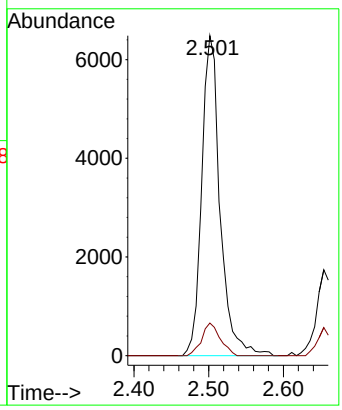





#17
Carbon Disulfide
Concen: 2.919 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 76 Resp: 1106

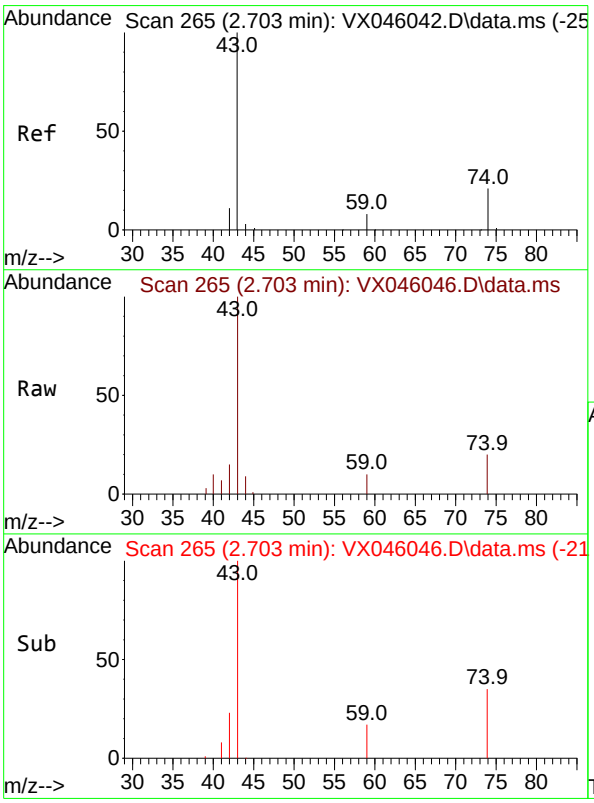
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.2 | 7.0 | 10.4 |




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

**Manual Integrations**
**APPROVED**

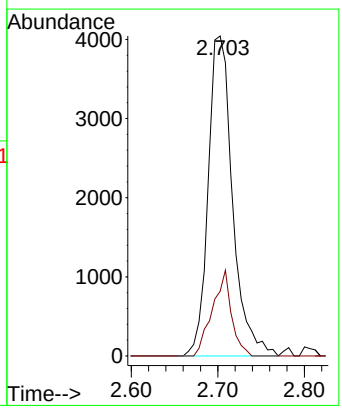
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

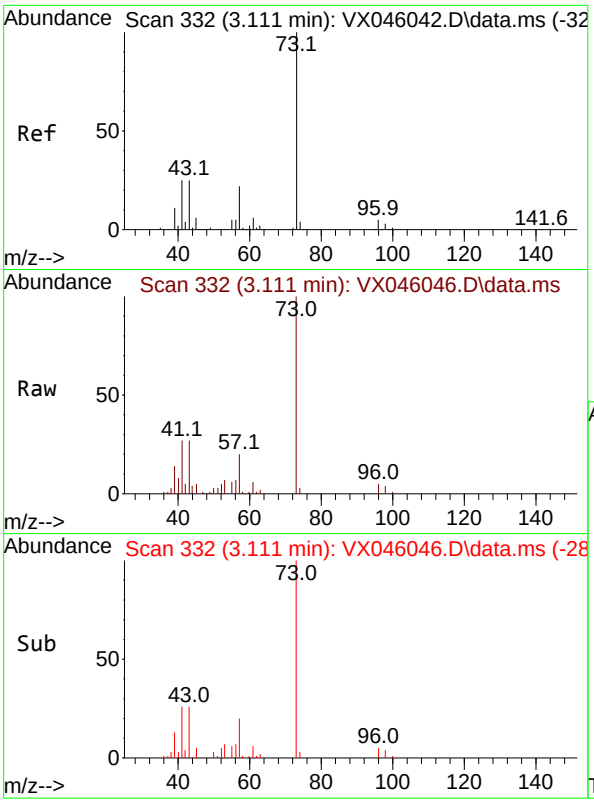



#18
Methyl Acetate
Concen: 3.357 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 7909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.9 | 16.7 | 25.1 |

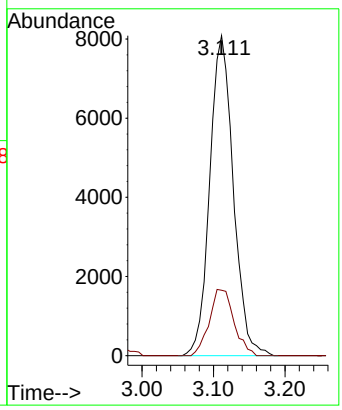





#19
Methyl tert-butyl Ether
Concen: 3.241 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 73 Resp: 1849

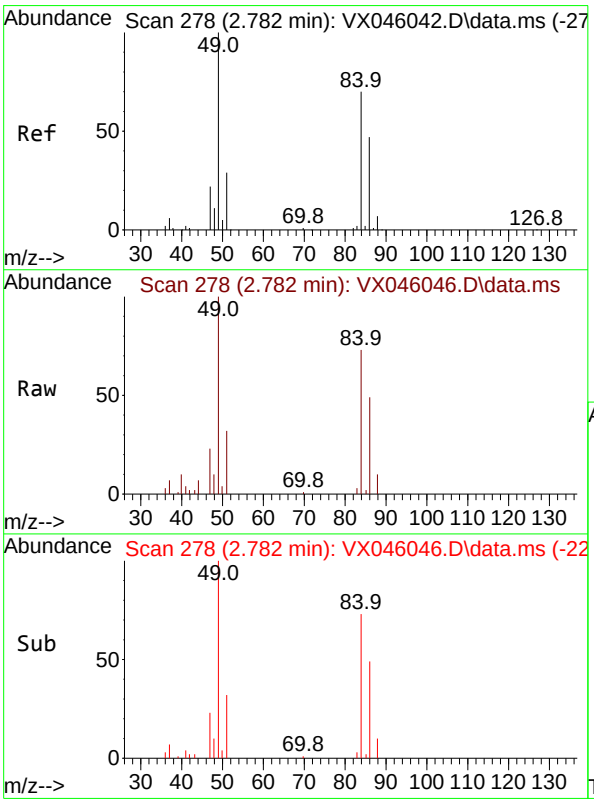
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.5 | 17.7 | 26.5 |




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

**Manual Integrations**
**APPROVED**

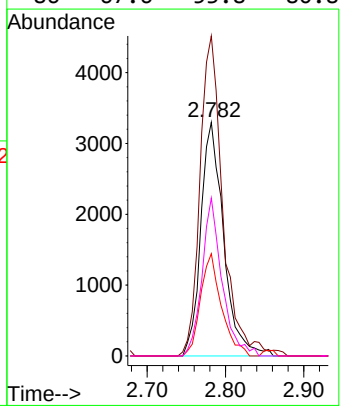
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

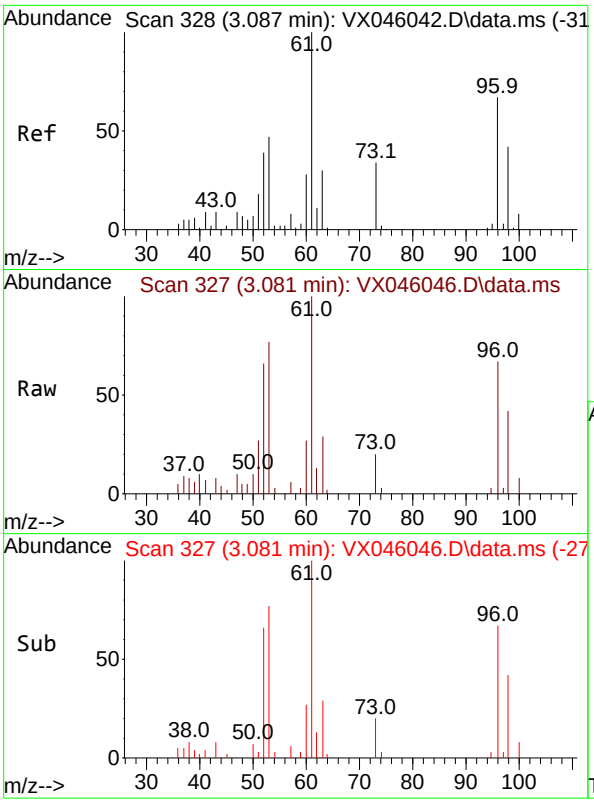



#20
Methylene Chloride
Concen: 3.341 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 84 Resp: 6680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 137.0 | 113.9 | 170.9 |
| 51 | 43.8 | 33.5 | 50.3 |
| 86 | 67.6 | 53.8 | 80.8 |

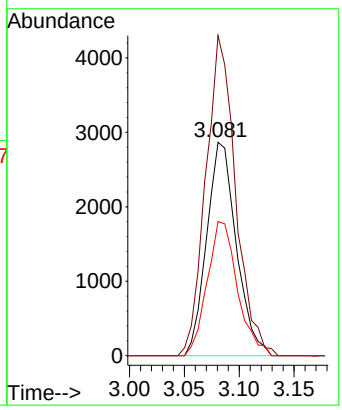





#21
trans-1,2-Dichloroethene
Concen: 3.234 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 540

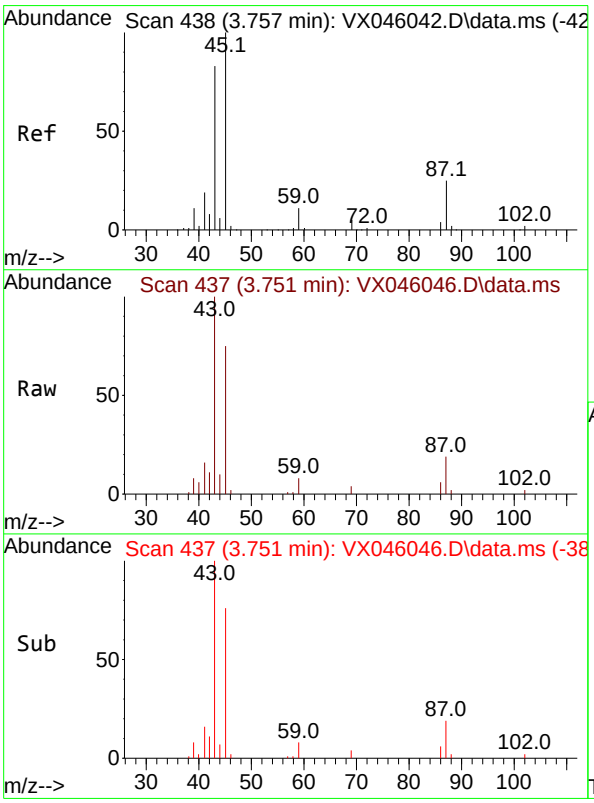
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.9 | 119.5 | 179.3 |
| 98 | 62.9 | 50.0 | 75.0 |




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

**Manual Integrations**
**APPROVED**

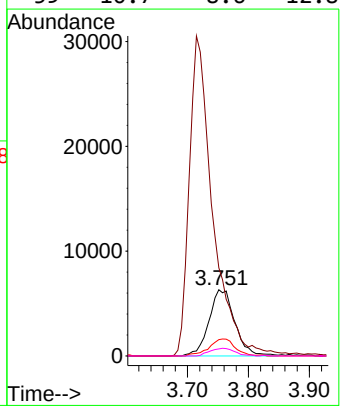
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

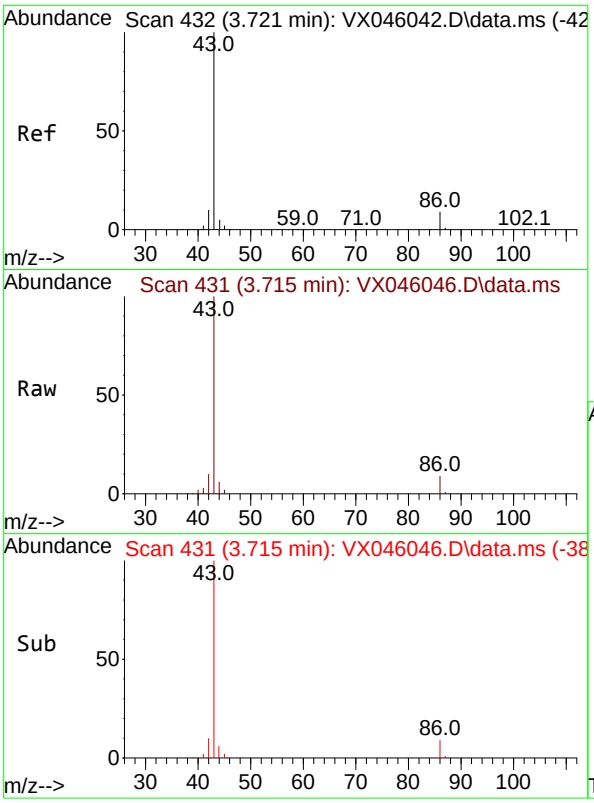



#22
Diisopropyl ether
Concen: 3.230 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 45 Resp: 18657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 128.0 | 66.6 | 100.0# |
| 87 | 24.7 | 19.8 | 29.6 |
| 59 | 10.7 | 8.6 | 12.8 |






#23
Vinyl Acetate
Concen: 16.127 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

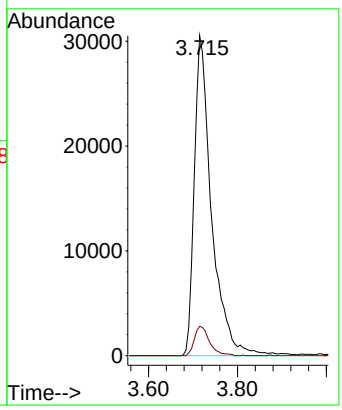
Tgt Ion: 43 Resp: 8232

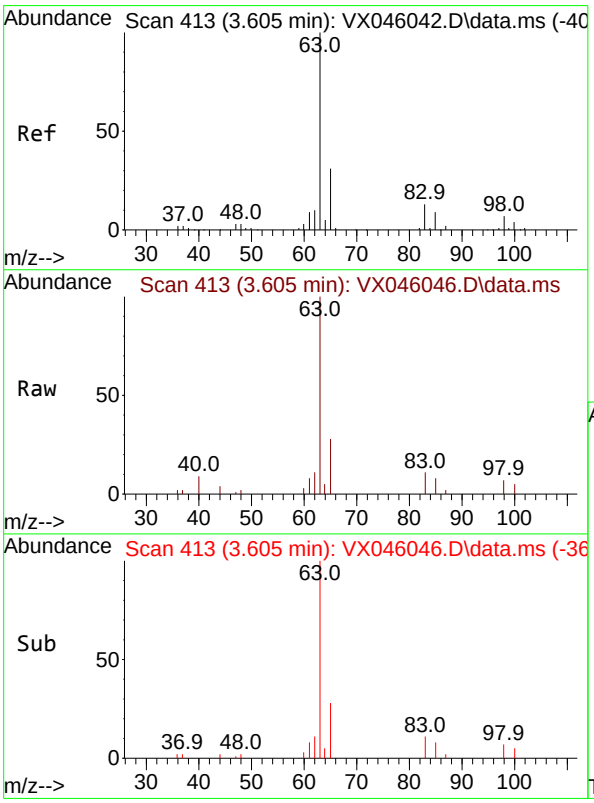
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.1 | 7.5 | 11.3 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

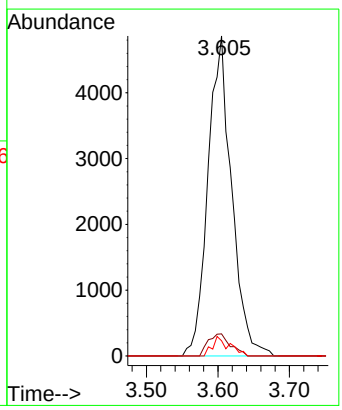


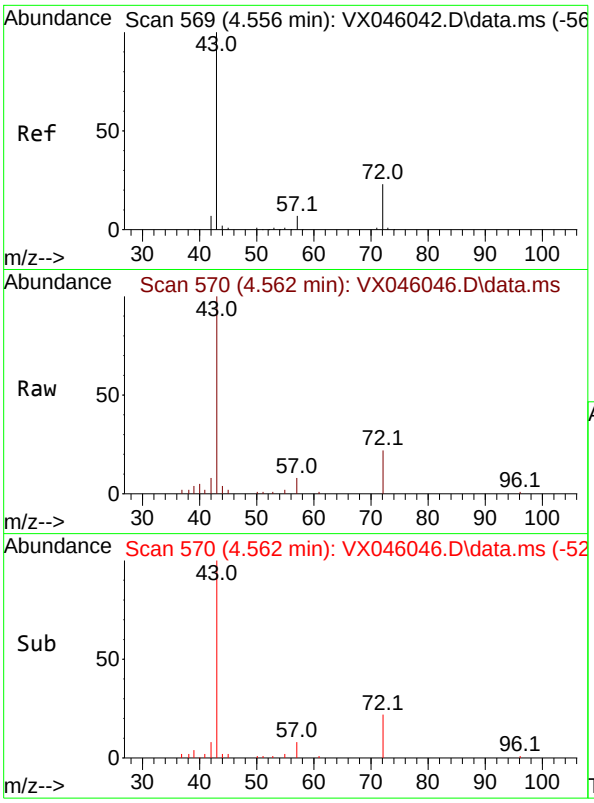




#24
1,1-Dichloroethane
Concen: 3.297 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 11193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.9 | 3.6 | 10.8 |
| 100 | 4.7 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 18.340 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

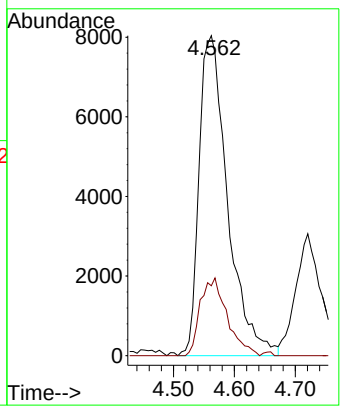
Tgt Ion: 43 Resp: 2612

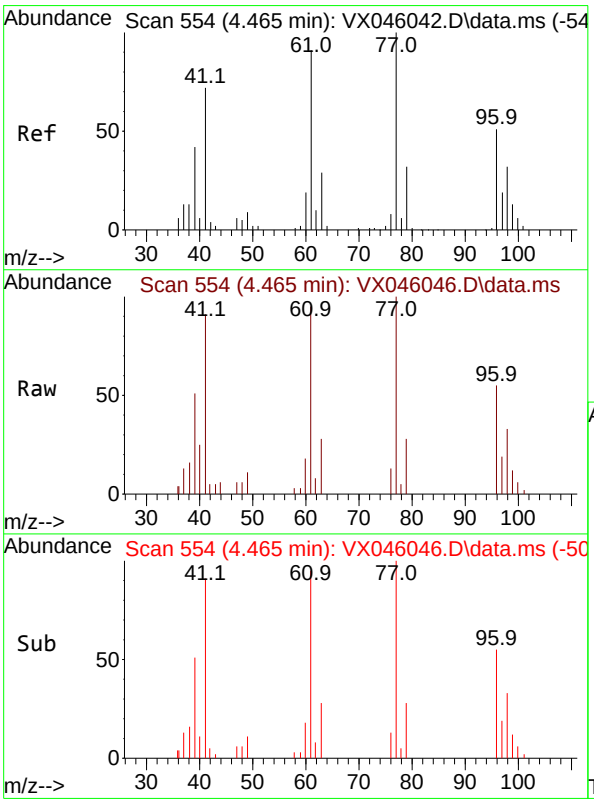
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.8 | 18.4 | 27.6 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

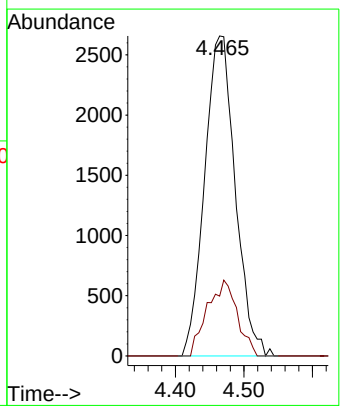


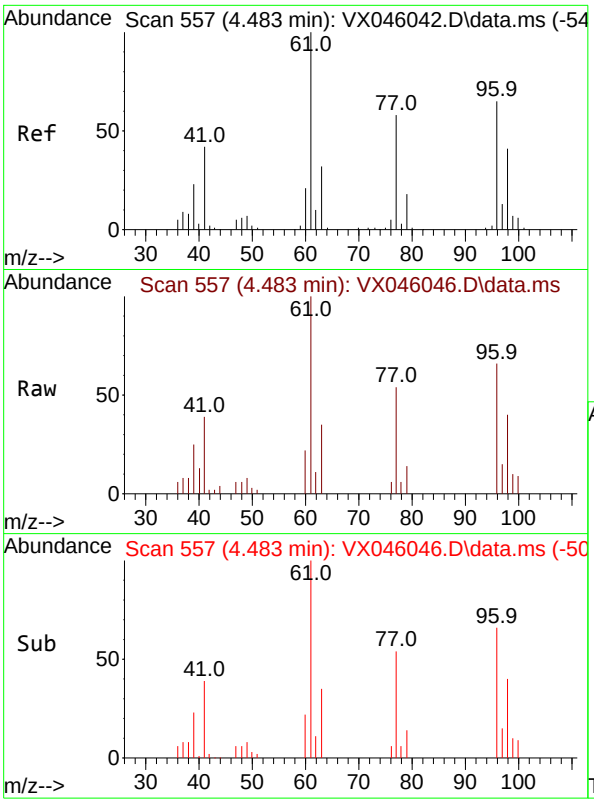




#26
2,2-Dichloropropane
Concen: 3.205 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 77 Resp: 8245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.1 | 10.5 | 31.5 |

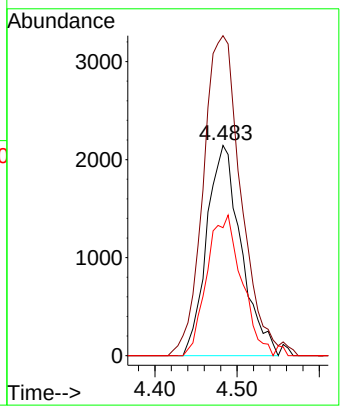





#27
cis-1,2-Dichloroethene
Concen: 3.089 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 622

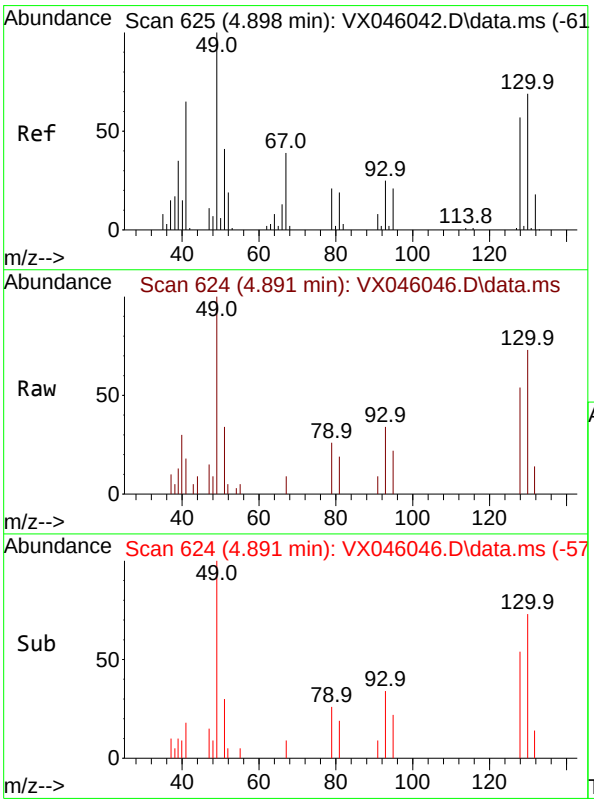
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.5 | 0.0 | 322.8 |
| 98 | 67.6 | 0.0 | 129.0 |




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

**Manual Integrations**
**APPROVED**

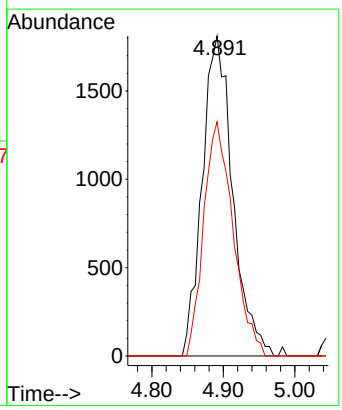
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

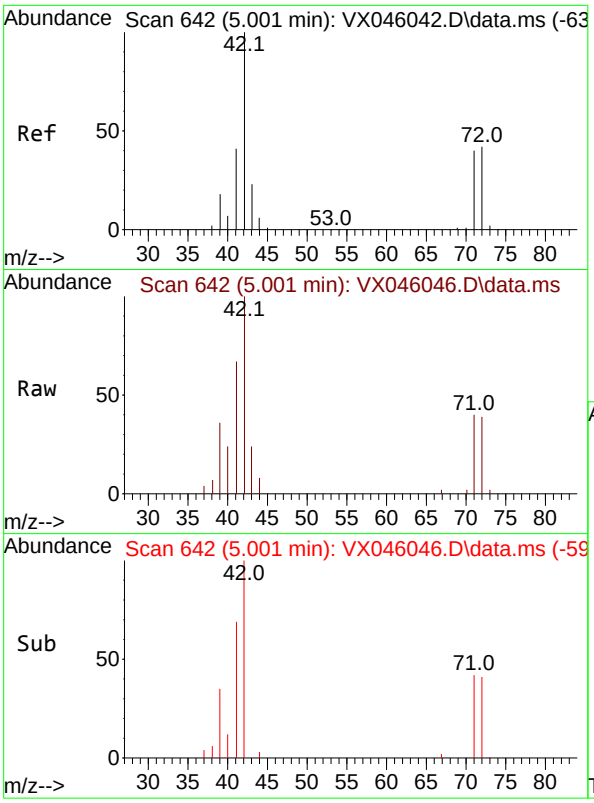



#28
Bromochloromethane
Concen: 2.969 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 49 Resp: 5360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.0 |
| 130 | 70.5 | 56.2 | 84.2 |






#29
Tetrahydrofuran
Concen: 16.680 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

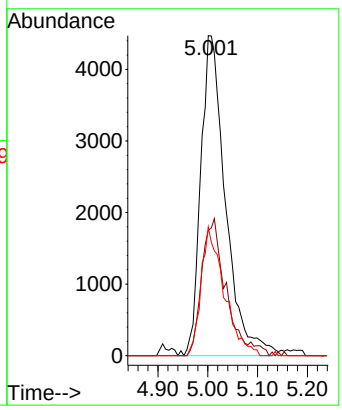
Tgt Ion: 42 Resp: 1543

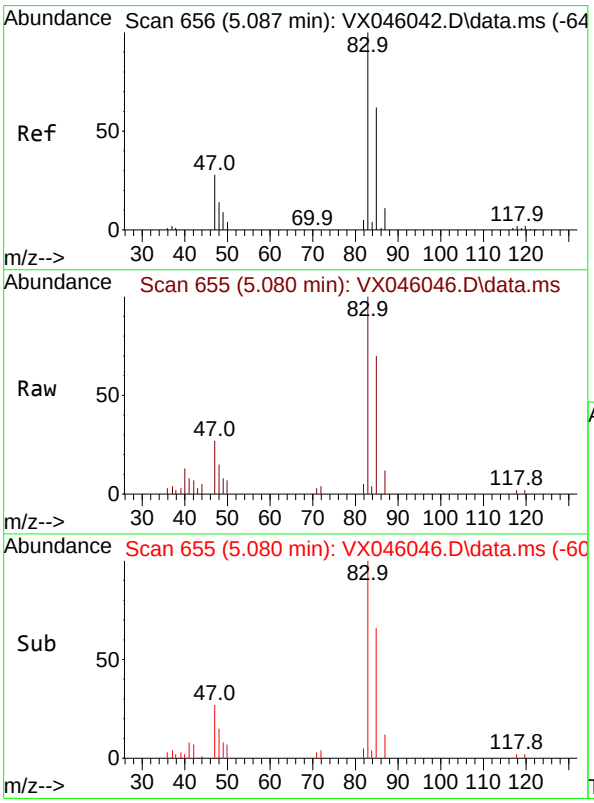
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.2 | 33.7 | 50.5 |
| 71 | 37.4 | 31.4 | 47.2 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

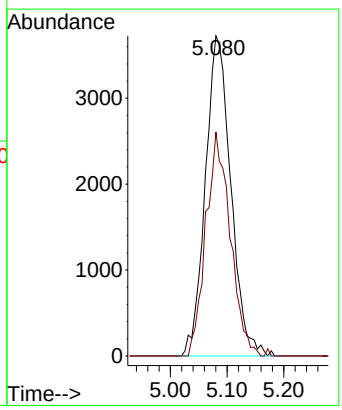


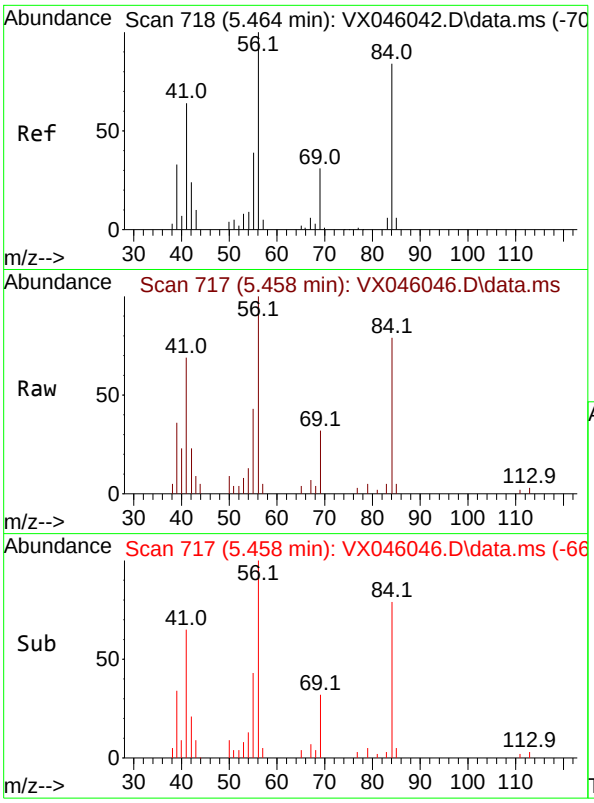




#30
Chloroform
Concen: 3.294 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 11624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 69.9 | 49.3 | 73.9 |

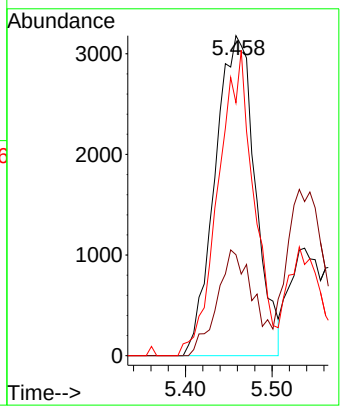





#31
Cyclohexane
Concen: 3.588 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 56 Resp: 1026

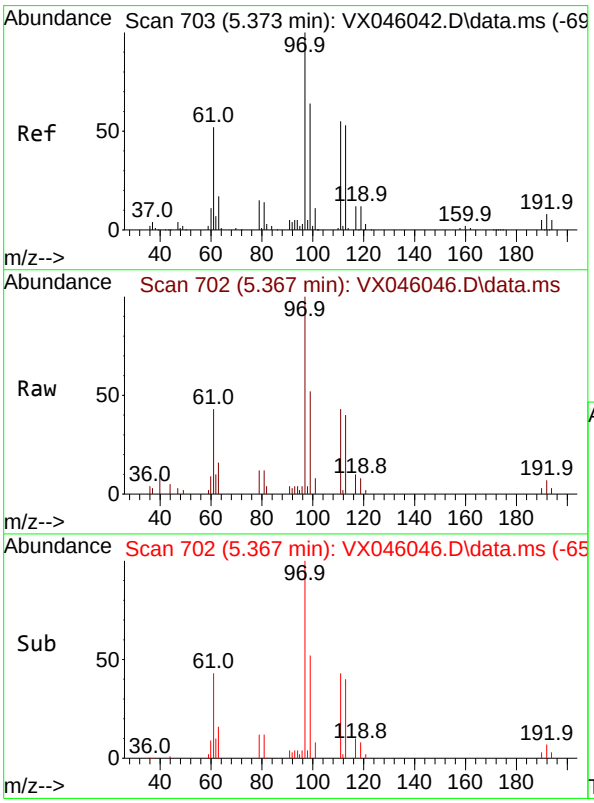
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.6 | 24.4 | 36.6 |
| 84 | 79.1 | 66.9 | 100.3 |




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

**Manual Integrations**
**APPROVED**

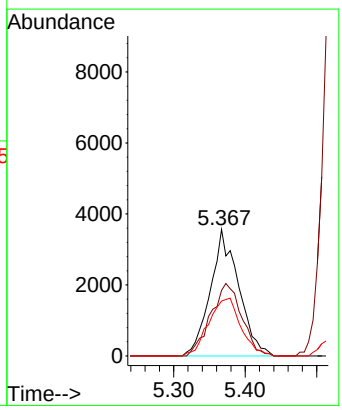
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

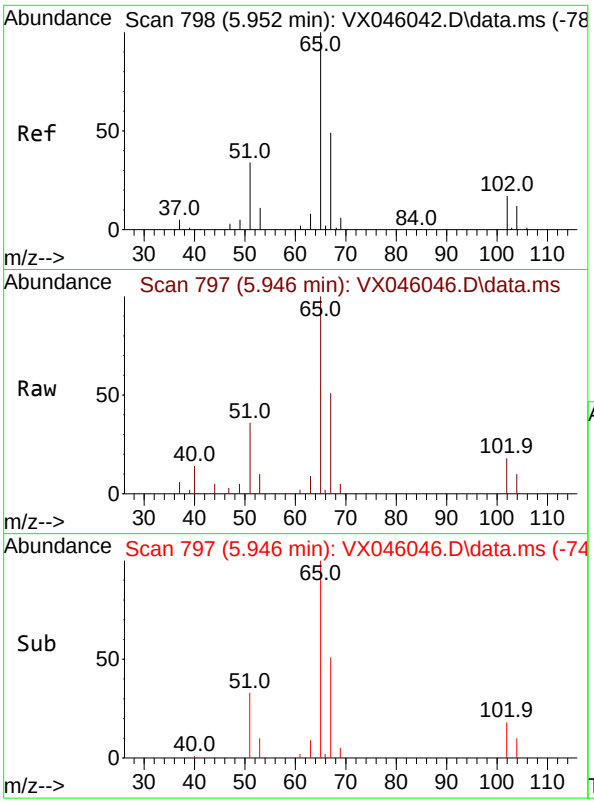



#32
1,1,1-Trichloroethane
Concen: 3.229 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 97 Resp: 9827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.6 | 51.8 | 77.6 |
| 61 | 51.8 | 40.1 | 60.1 |






#33
1,2-Dichloroethane-d4
Concen: 3.143 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

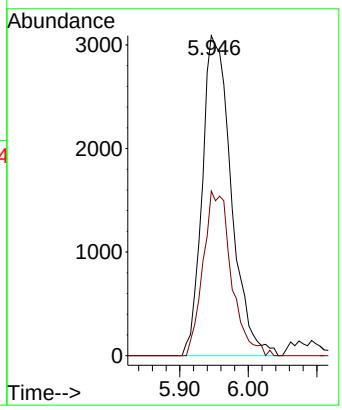
Tgt Ion: 65 Resp: 906

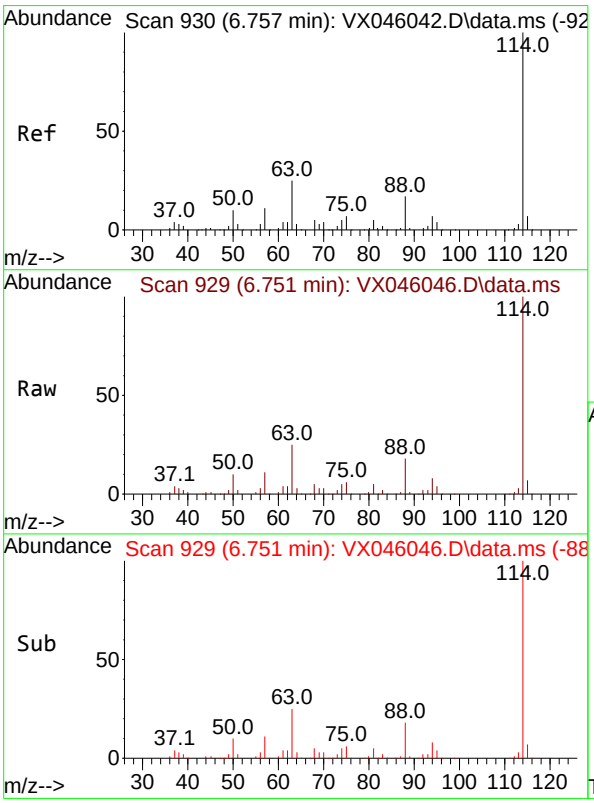
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.1 | 0.0 | 99.0 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

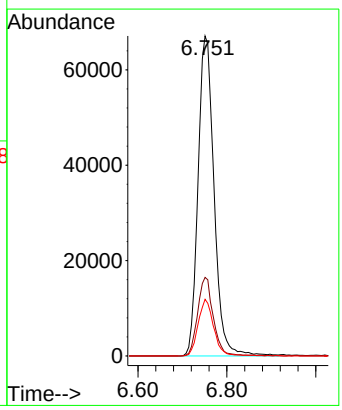


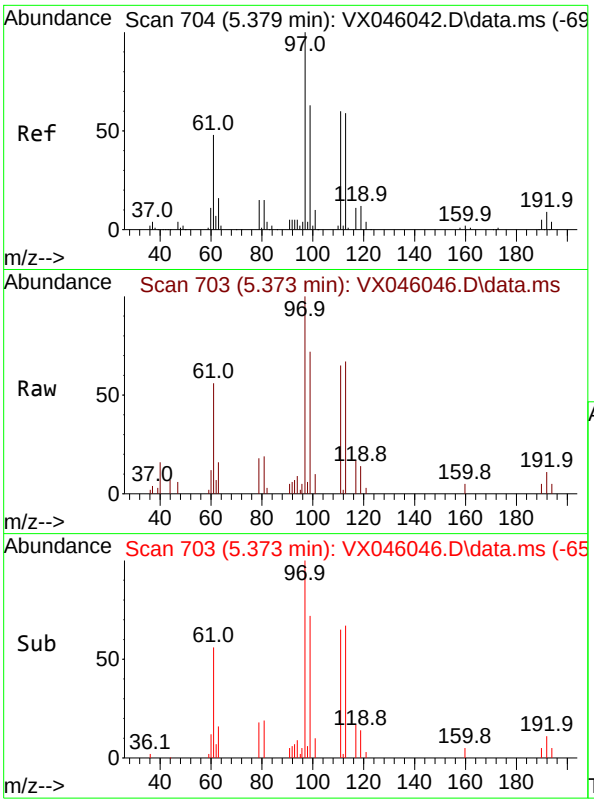




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:114 Resp: 168484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.5 | 0.0 | 49.2 |
| 88 | 17.7 | 0.0 | 33.6 |

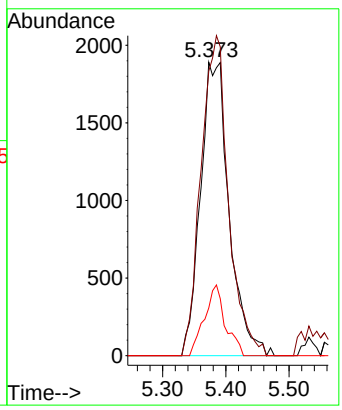





#35
Dibromofluoromethane
Concen: 3.161 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:113 Resp: 596

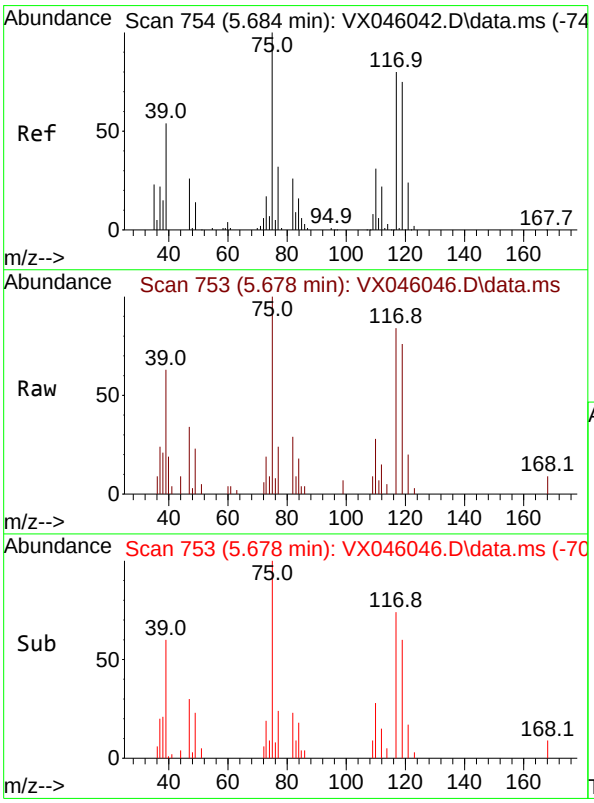
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.4 | 83.1 | 124.7 |
| 192 | 17.5 | 13.3 | 19.9 |




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

**Manual Integrations**
**APPROVED**

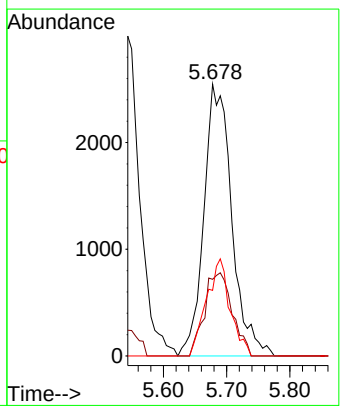
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

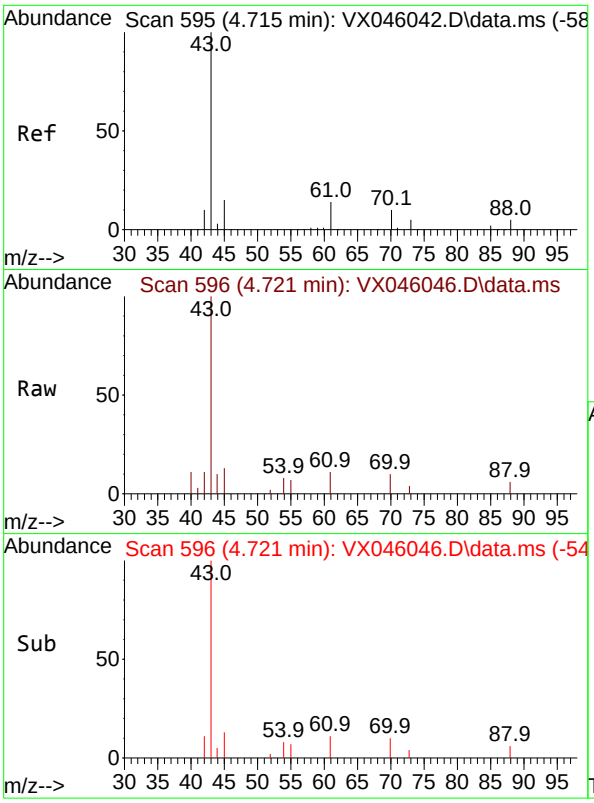



#36
1,1-Dichloropropene
Concen: 3.551 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 30.6 | 16.3 | 48.9 |
| 77 | 30.5 | 24.3 | 36.5 |

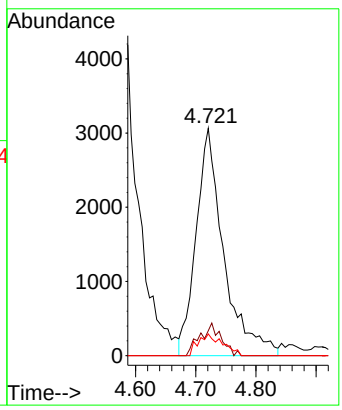





#37
Ethyl Acetate
Concen: 3.565 ug/l m
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 980

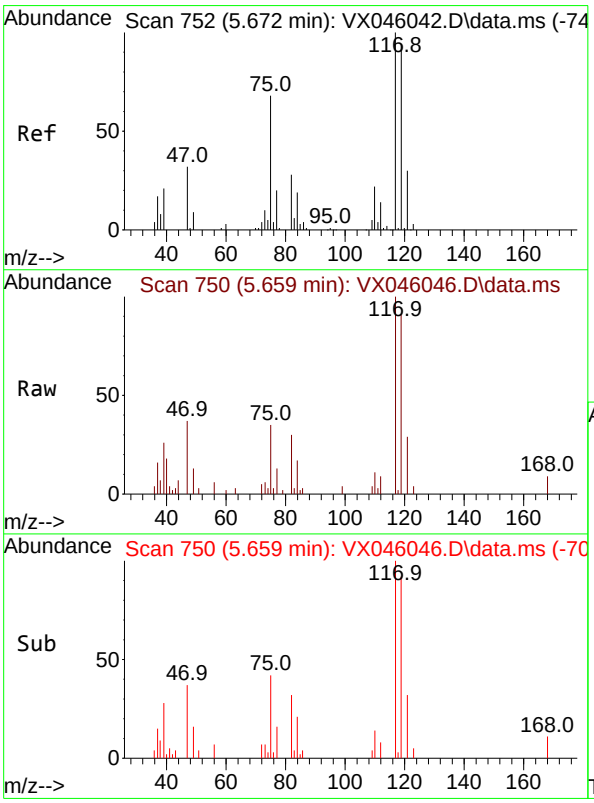
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.0 | 10.3 | 15.5 |
| 70 | 8.4 | 7.9 | 11.9 |




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

**Manual Integrations**
**APPROVED**

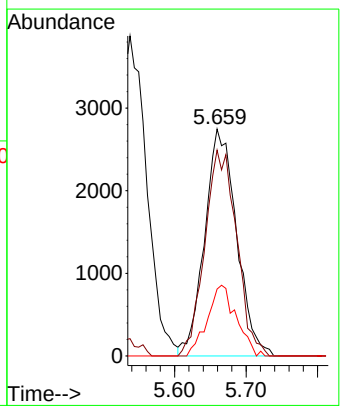
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

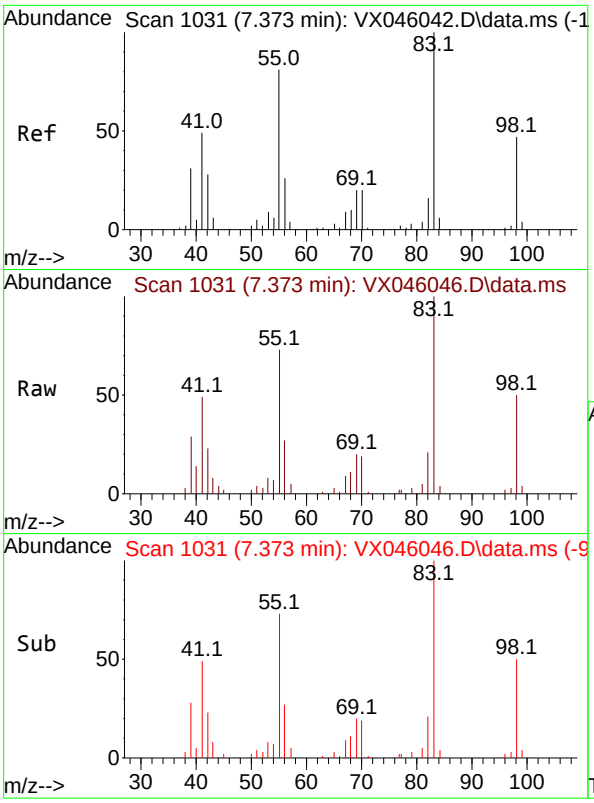



#38
Carbon Tetrachloride
Concen: 3.376 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 8505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.6 | 75.2 | 112.8 |
| 121 | 29.5 | 24.2 | 36.4 |

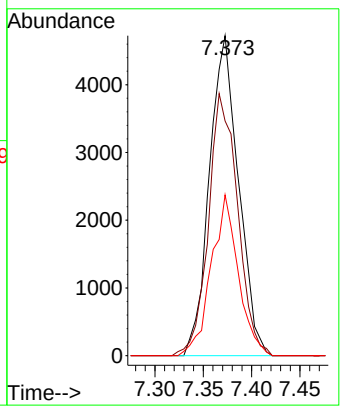





#39
Methylcyclohexane
Concen: 3.597 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 988

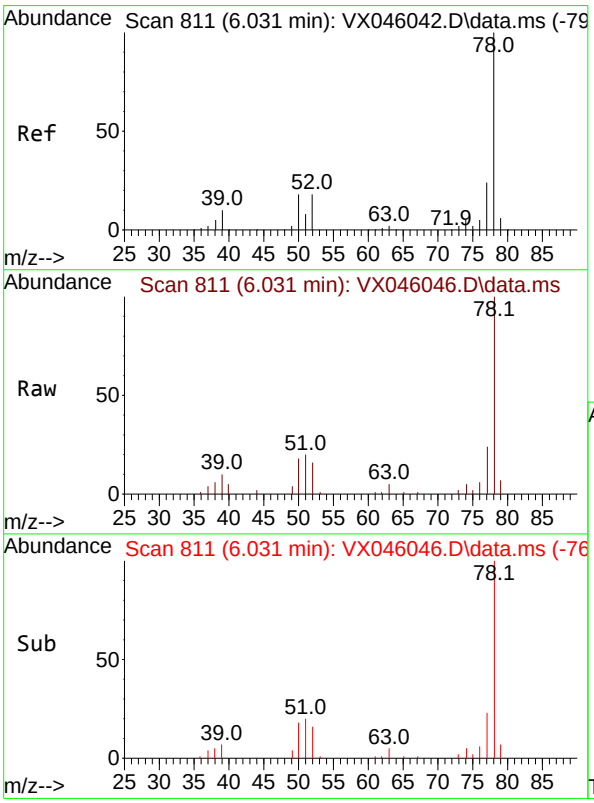
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 73.3 | 64.7 | 97.1 |
| 98 | 50.3 | 37.4 | 56.2 |




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

**Manual Integrations**
**APPROVED**

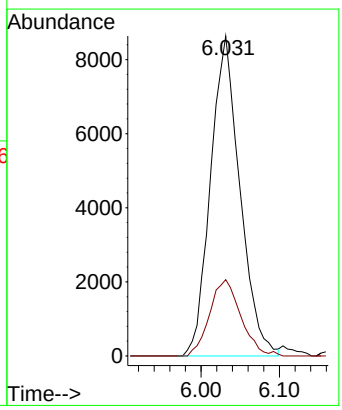
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

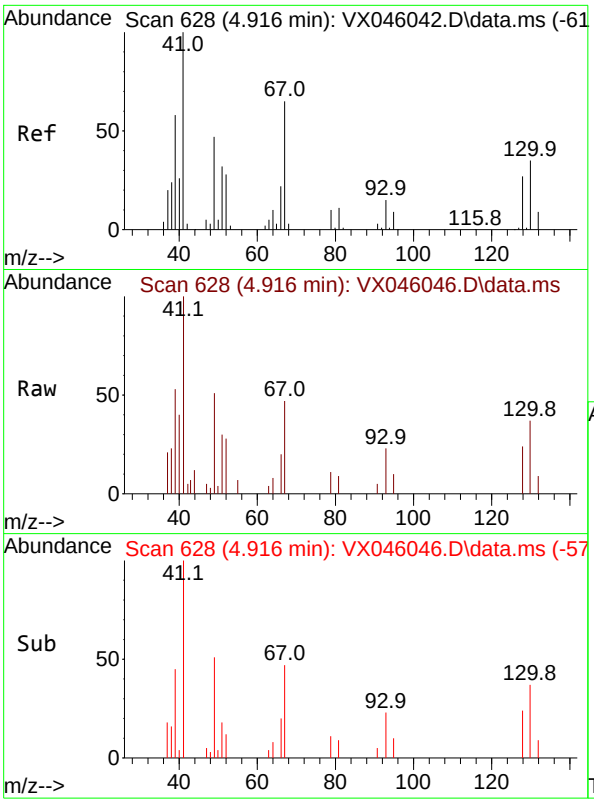



#40
Benzene
Concen: 3.315 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 78 Resp: 22528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 19.0 | 28.4 |

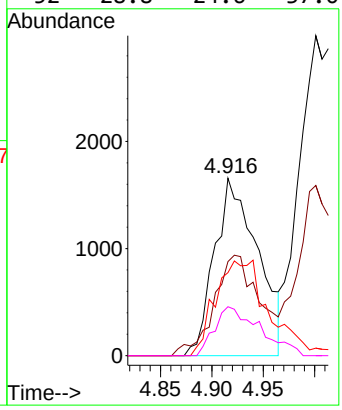





#41
Methacrylonitrile
Concen: 3.174 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 485

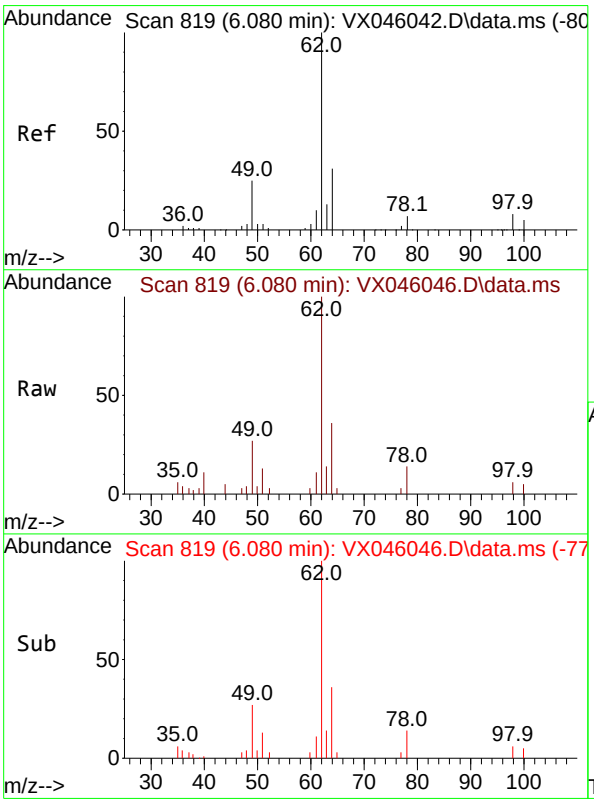
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.7 | 47.2 | 70.8 |
| 67 | 0.0 | 50.7 | 76.1# |
| 52 | 28.8 | 24.6 | 37.0 |




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

**Manual Integrations**
**APPROVED**

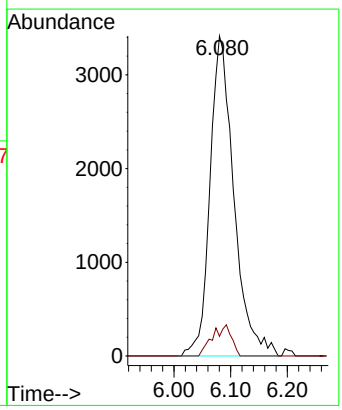
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

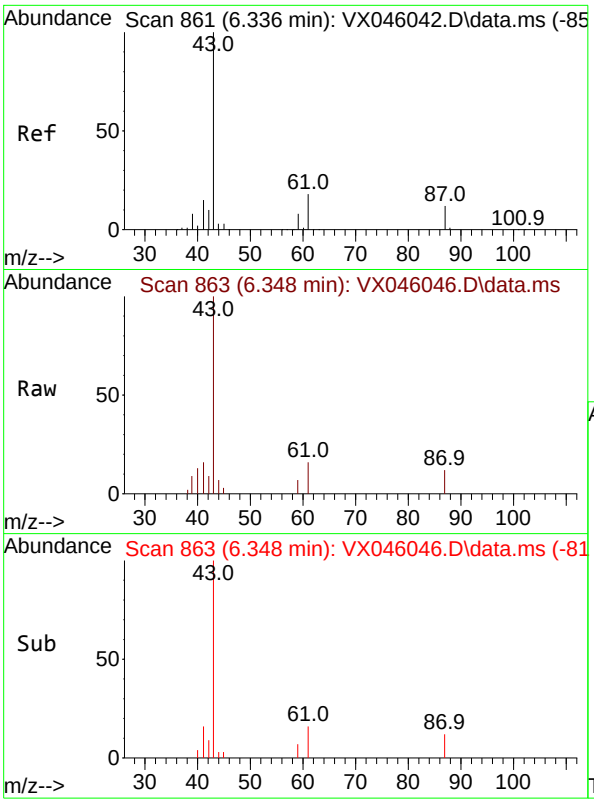



#42
1,2-Dichloroethane
Concen: 3.563 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 10011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.8 | 0.0 | 15.2 |






#43
Isopropyl Acetate
Concen: 3.309 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

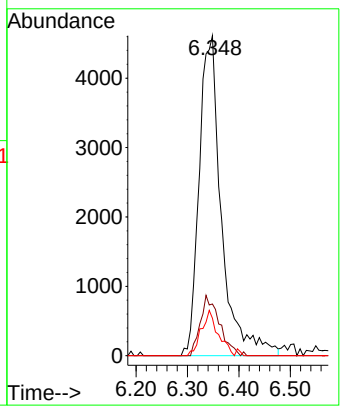
Tgt Ion: 43 Resp: 1391

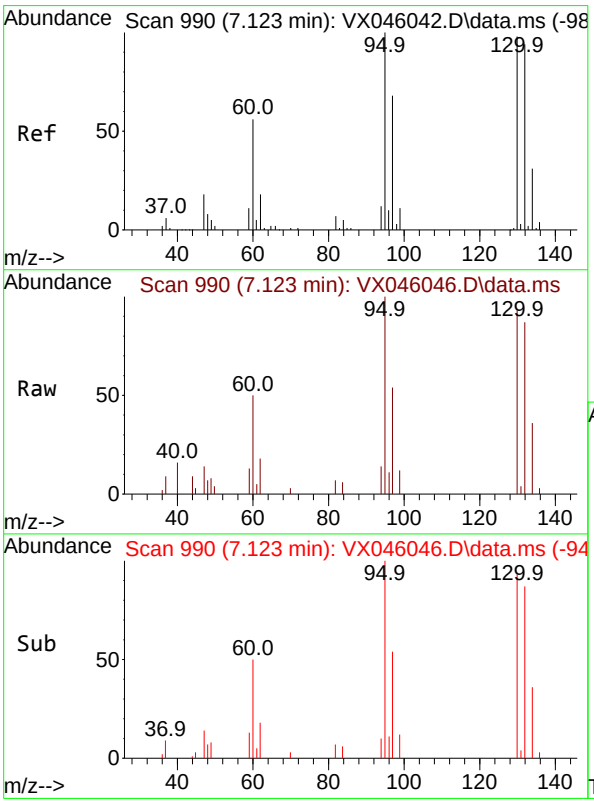
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 16.2 | 14.3 | 21.5 |
| 87 | 10.6 | 9.5 | 14.3 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

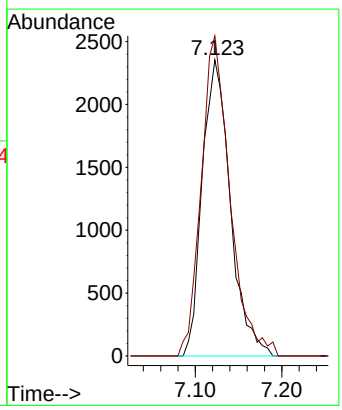


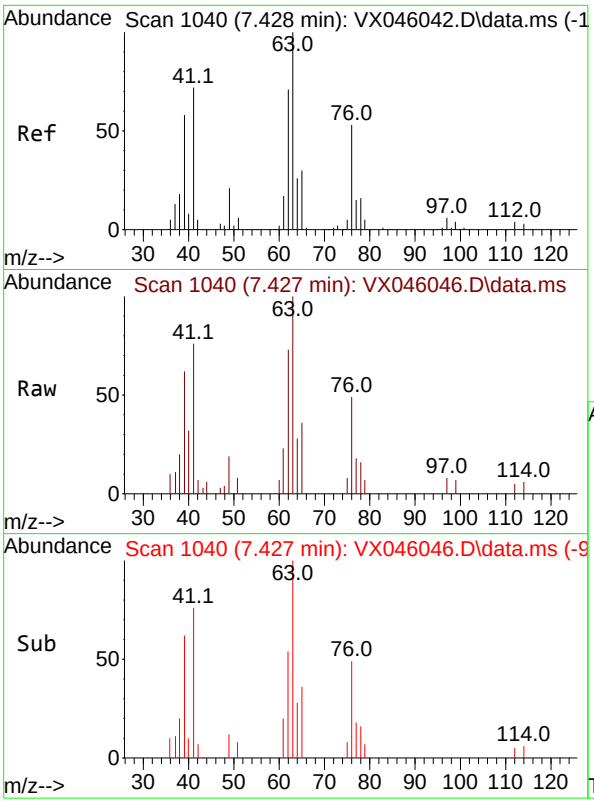




#44
Trichloroethene
Concen: 3.307 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:130 Resp: 5313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 108.1 | 0.0 | 204.2 |






#45
1,2-Dichloropropane
Concen: 3.228 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

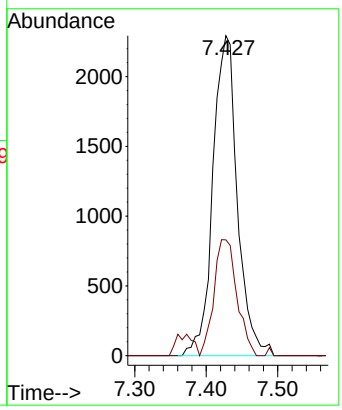
Tgt Ion: 63 Resp: 545

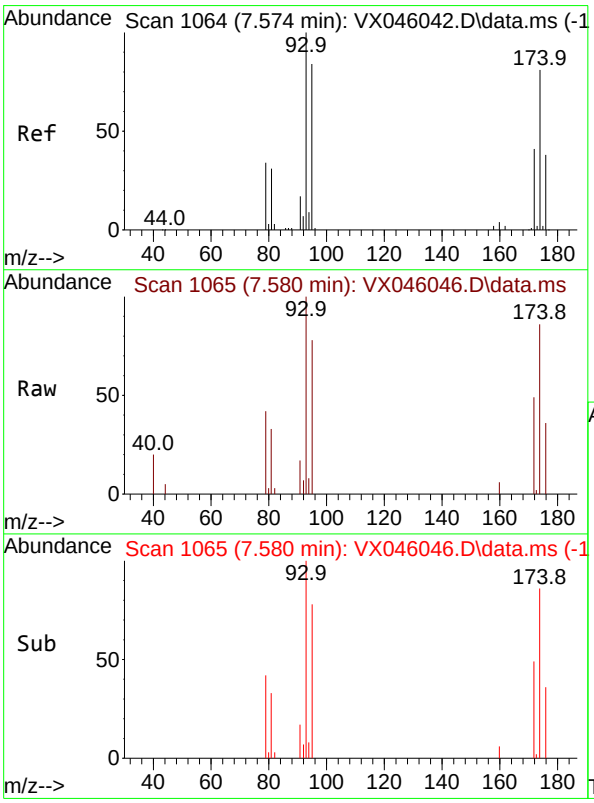
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 36.2 | 24.1 | 36.1 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

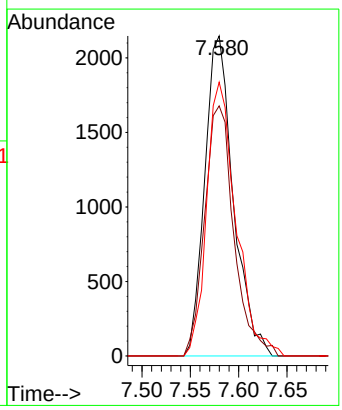


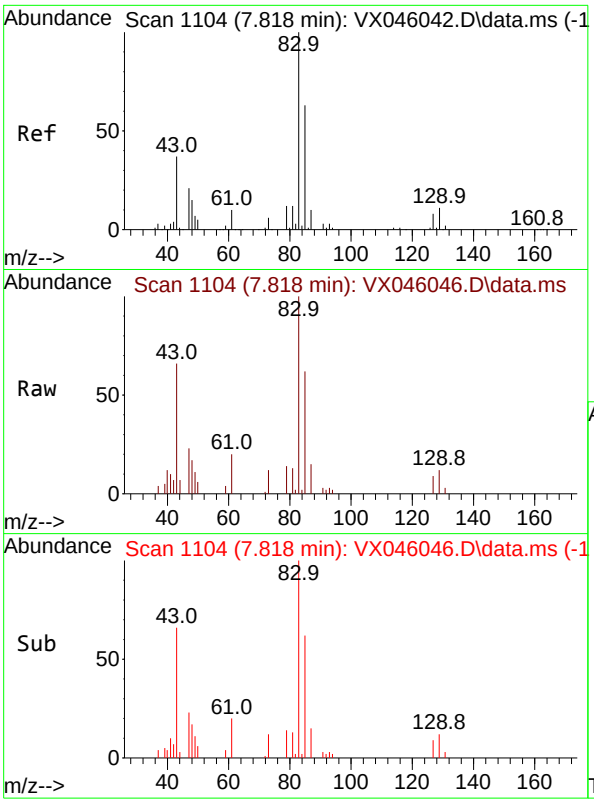




#46
Dibromomethane
Concen: 3.318 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 93 Resp: 4417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 80.1 | 65.6 | 98.4 |
| 174 | 87.6 | 68.2 | 102.2 |

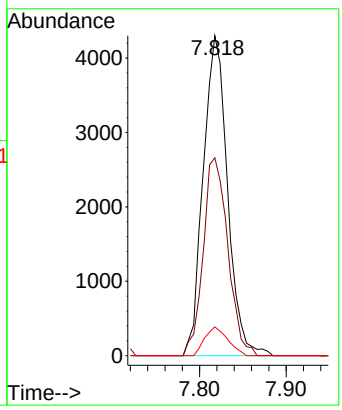





#47
Bromodichloromethane
Concen: 3.254 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 839

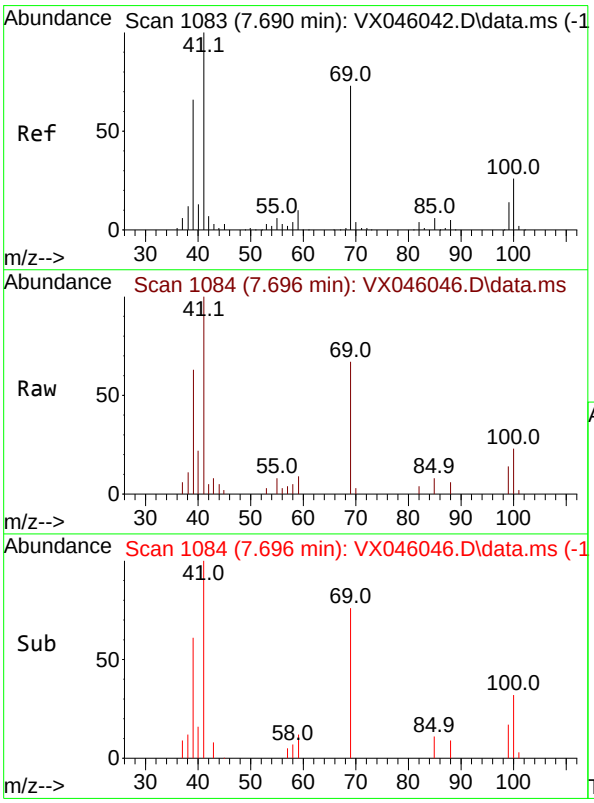
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.9 | 50.5 | 75.7 |
| 127 | 9.0 | 6.5 | 9.7 |




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

**Manual Integrations**
**APPROVED**

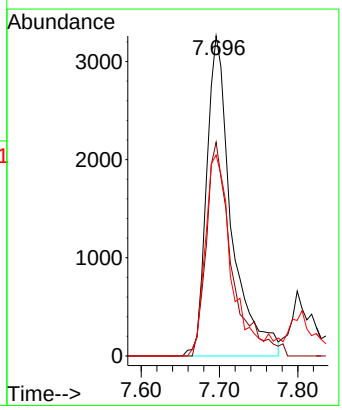
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

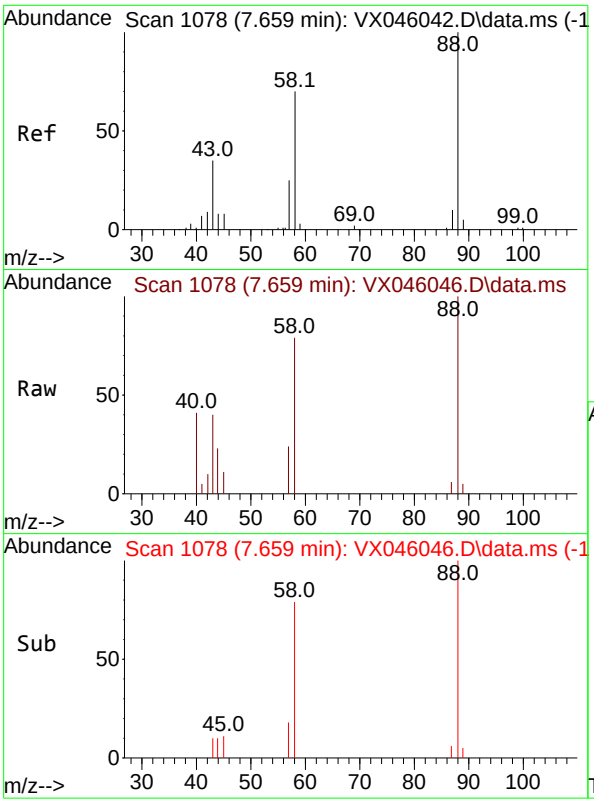



#48
Methyl methacrylate
Concen: 3.321 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 7171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 68.4 | 58.5 | 87.7 |
| 39 | 65.1 | 51.7 | 77.5 |

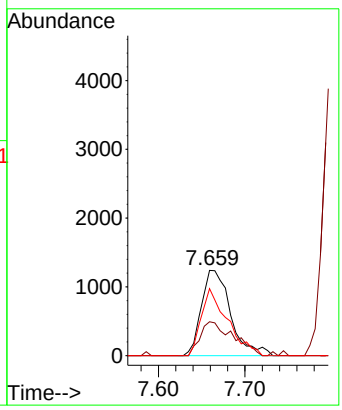





#49
1,4-Dioxane
Concen: 67.721 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 88 Resp: 290

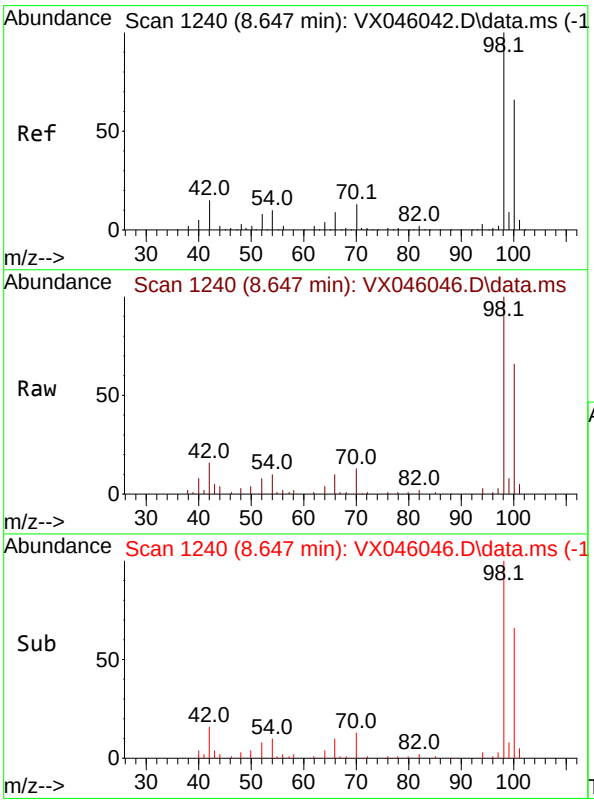
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 45.3 | 33.4 | 50.2 |
| 58 | 71.0 | 58.6 | 88.0 |




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

**Manual Integrations**
**APPROVED**

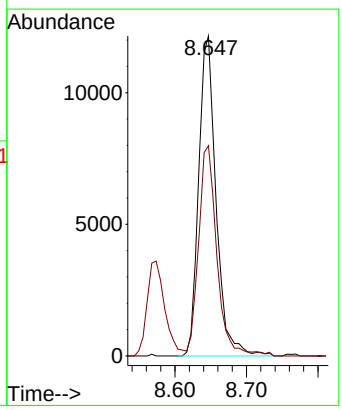
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

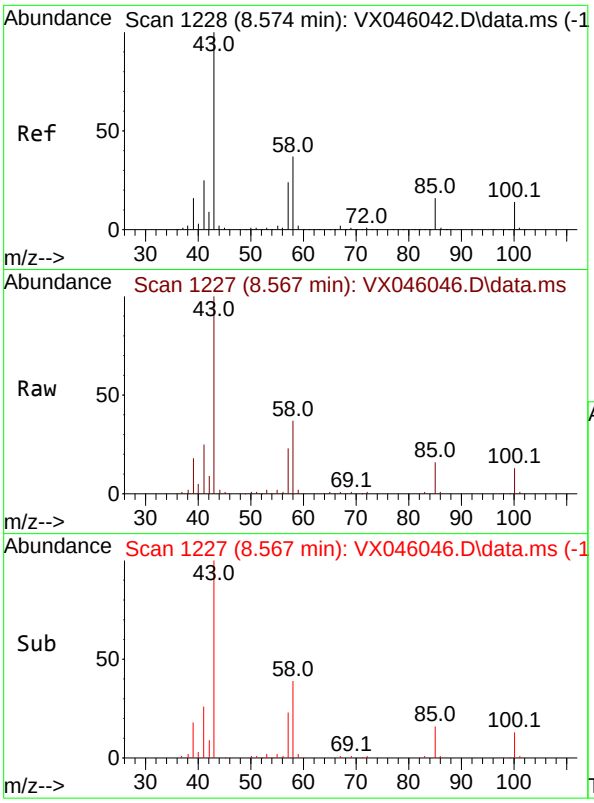



#50
Toluene-d8
Concen: 3.232 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 98 Resp: 20566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.1 | 53.5 | 80.3 |






#51
4-Methyl-2-Pentanone
Concen: 16.967 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

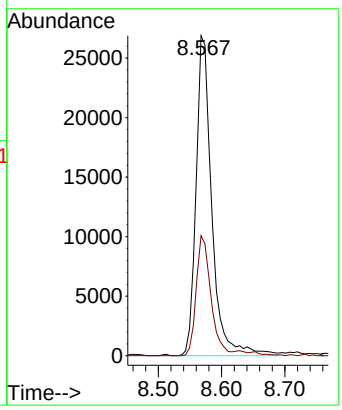
Tgt Ion: 43 Resp: 4679

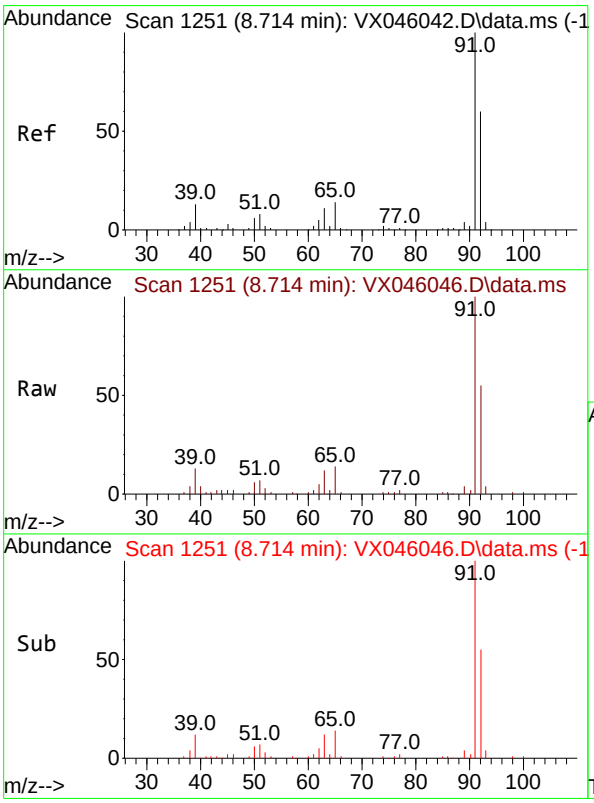
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.8 | 28.9 | 43.3 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

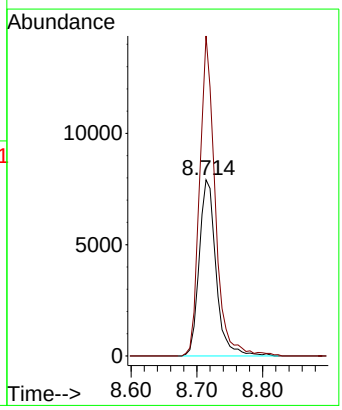


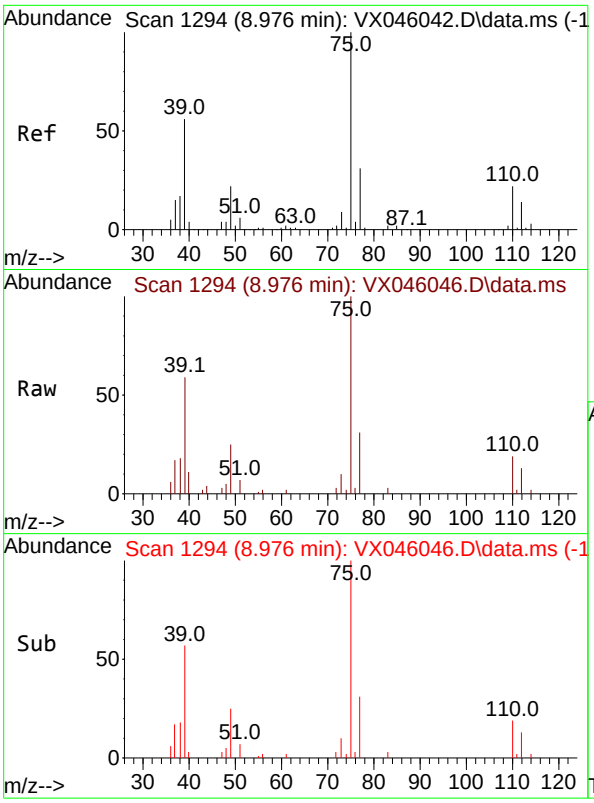




#52
Toluene
Concen: 3.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 92 Resp: 14126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 167.2 | 136.6 | 205.0 |

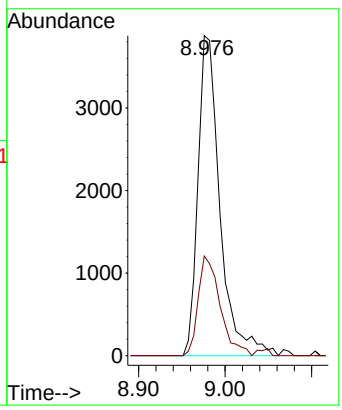





#53
t-1,3-Dichloropropene
Concen: 3.155 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 683

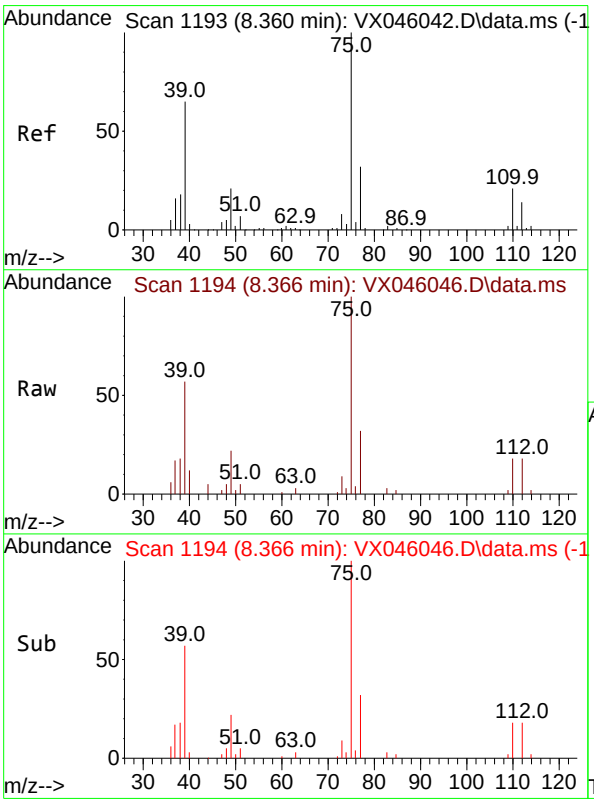
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 25.0 | 37.6 |




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

**Manual Integrations**
**APPROVED**

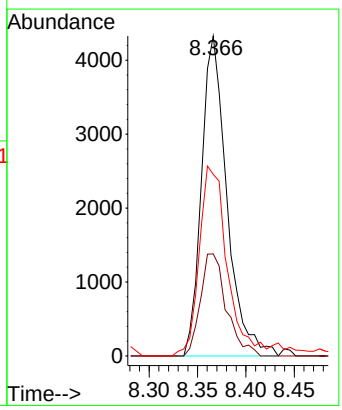
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

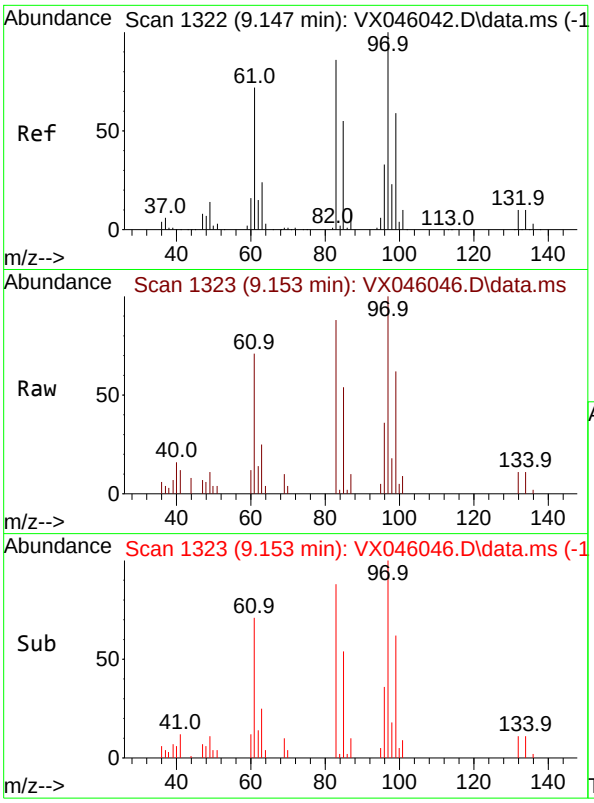



#54
cis-1,3-Dichloropropene
Concen: 3.129 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.4 | 38.0 |
| 39 | 55.3 | 52.2 | 78.4 |

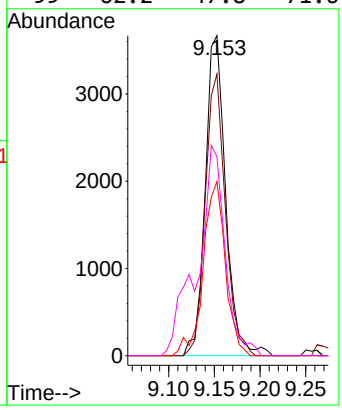





#55
1,1,2-Trichloroethane
Concen: 3.490 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 97 Resp: 568

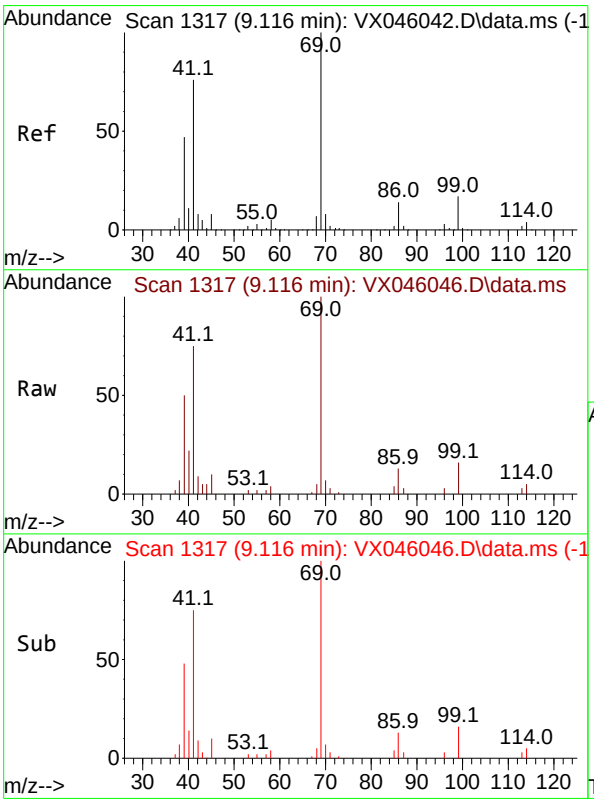
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.0 | 69.0 | 103.6 |
| 85 | 54.4 | 44.3 | 66.5 |
| 99 | 62.2 | 47.8 | 71.6 |




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

**Manual Integrations**
**APPROVED**

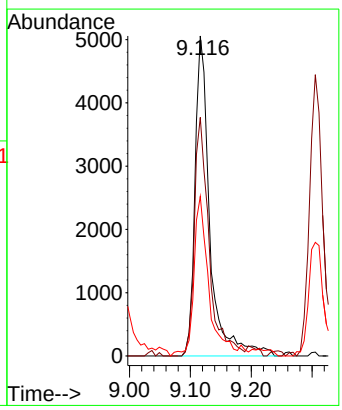
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

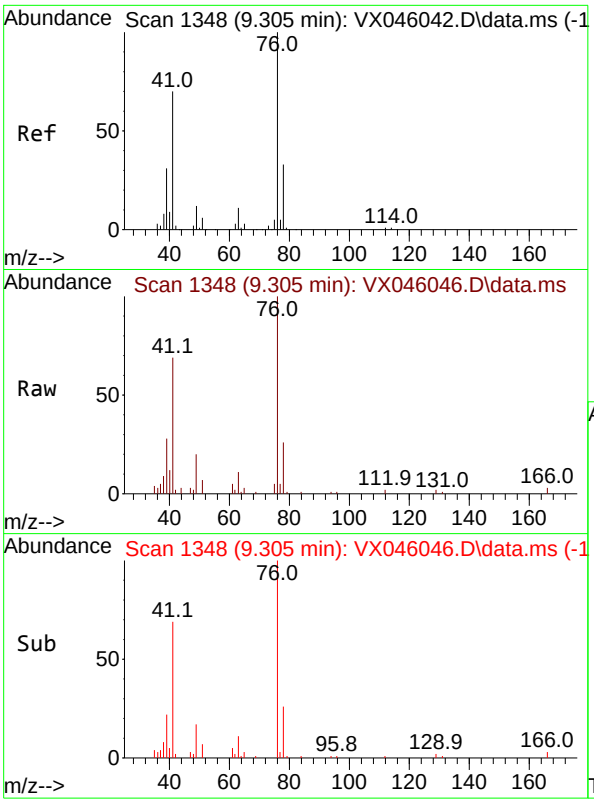



#56
Ethyl methacrylate
Concen: 3.390 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 69 Resp: 8555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 73.7 | 60.8 | 91.2 |
| 39 | 49.3 | 39.0 | 58.6 |






#57
1,3-Dichloropropane
Concen: 3.508 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

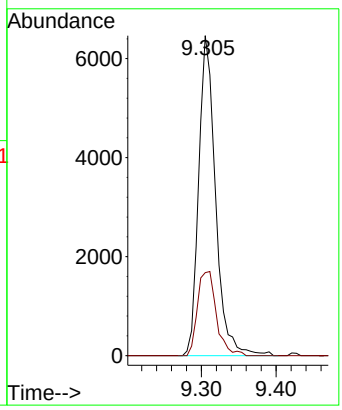
Tgt Ion: 76 Resp: 1012

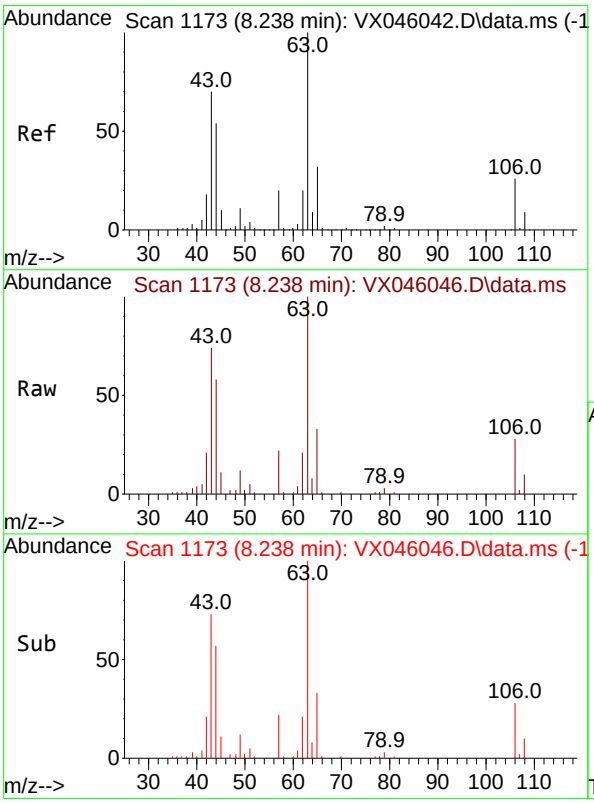
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 29.5 | 26.3 | 39.5 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

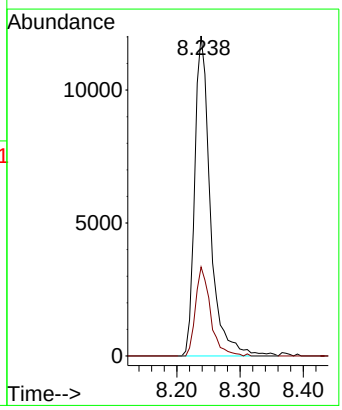


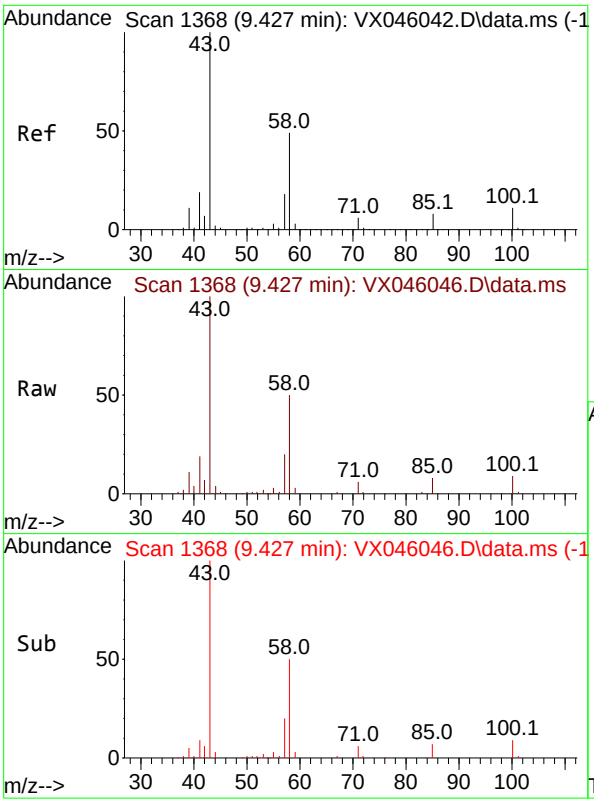




#58
2-Chloroethyl Vinyl ether
Concen: 18.346 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 20809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.4 | 21.5 | 32.3 |






#59
2-Hexanone
Concen: 16.651 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

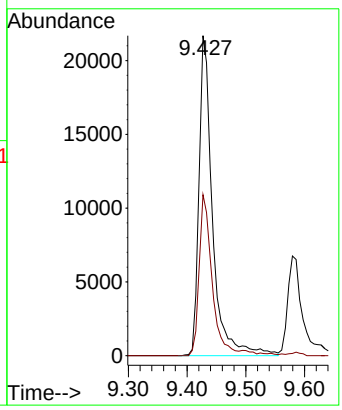
Tgt Ion: 43 Resp: 3485

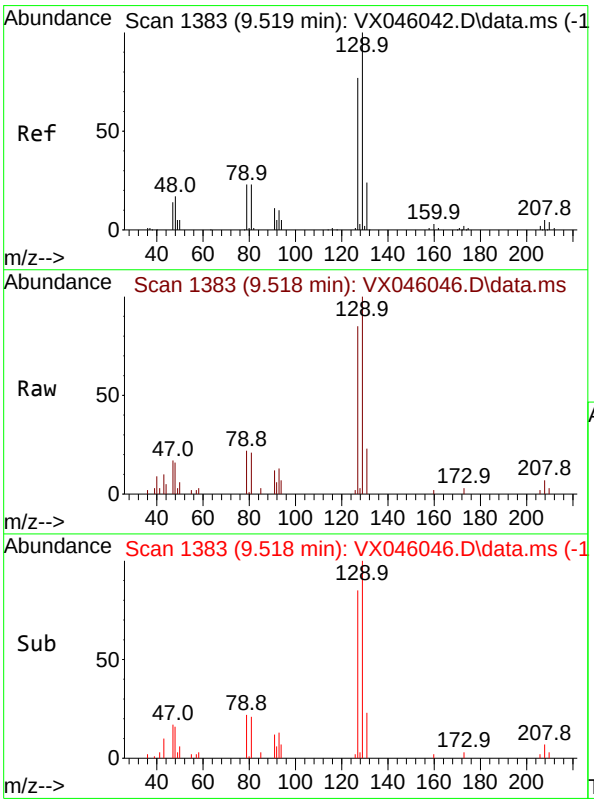
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 47.5 | 24.9 | 74.6 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

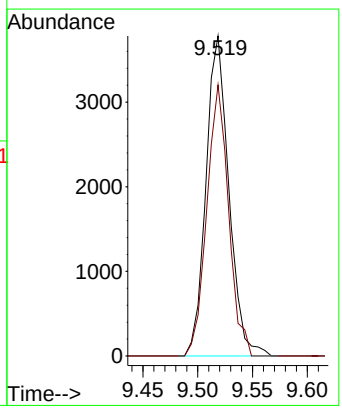


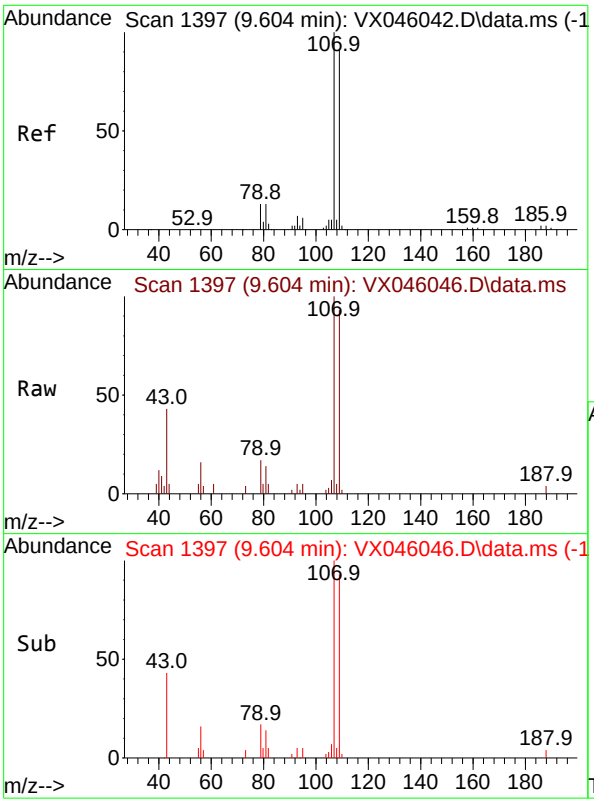




#60
Dibromochloromethane
Concen: 3.102 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:129 Resp: 5500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 80.4 | 39.3 | 117.8 |

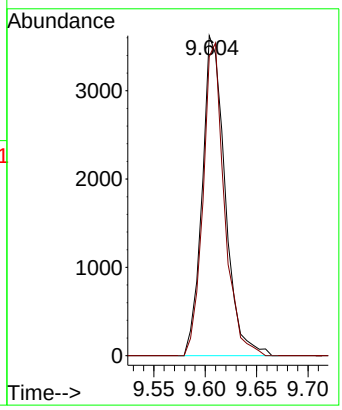





#61
1,2-Dibromoethane
Concen: 3.356 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:107 Resp: 561

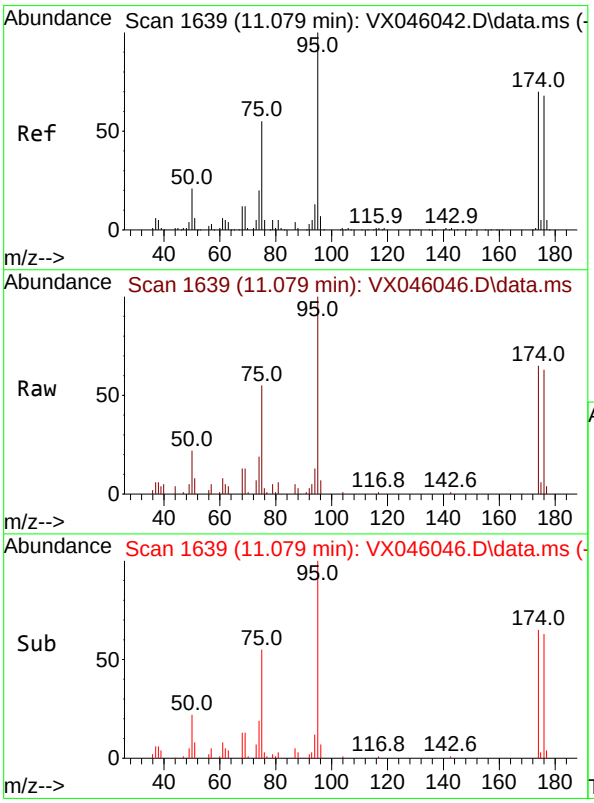
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.0 | 73.3 | 109.9 |




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

**Manual Integrations**
**APPROVED**

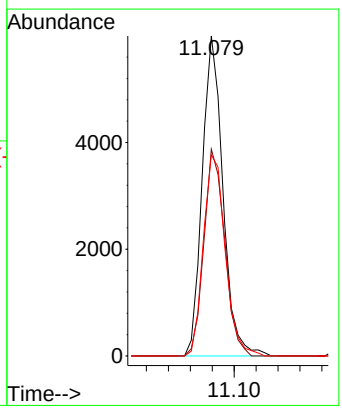
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

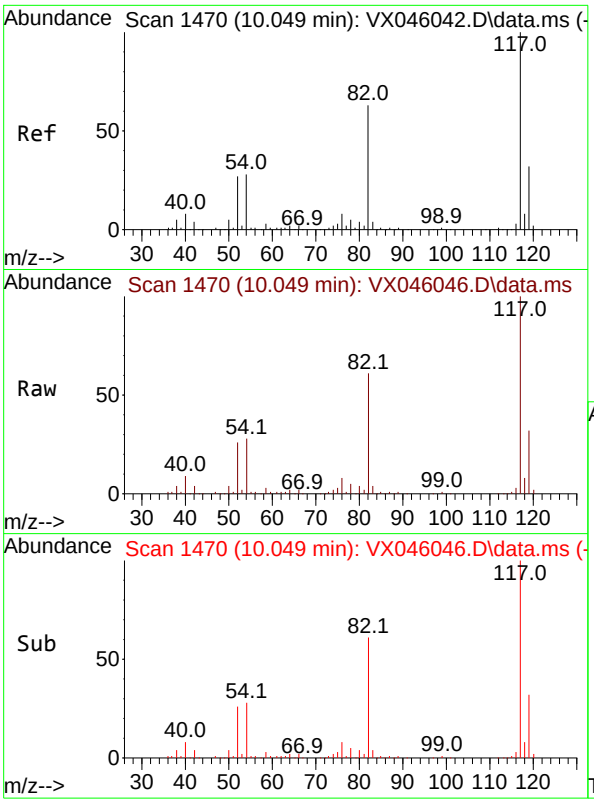



#62
4-Bromofluorobenzene
Concen: 3.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 95 Resp: 7822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 65.0 | 0.0 | 135.8 |
| 176 | 66.6 | 0.0 | 131.4 |

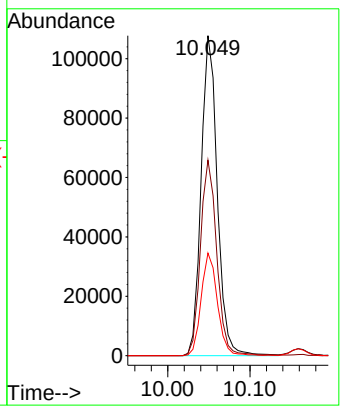





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 14716

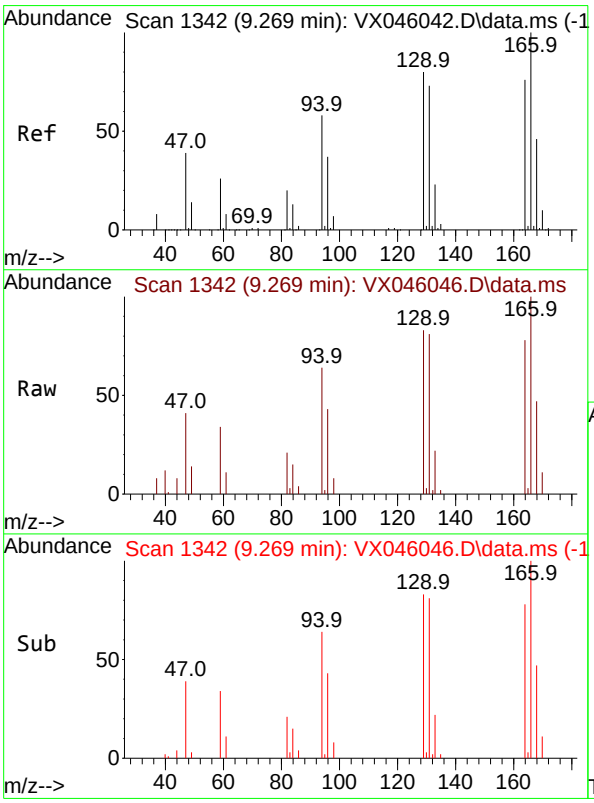
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.1 | 50.6 | 76.0 |
| 119 | 32.1 | 25.8 | 38.6 |




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

**Manual Integrations**
**APPROVED**

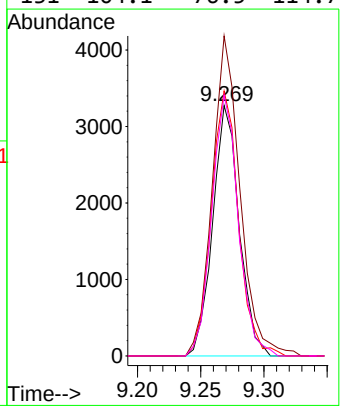
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

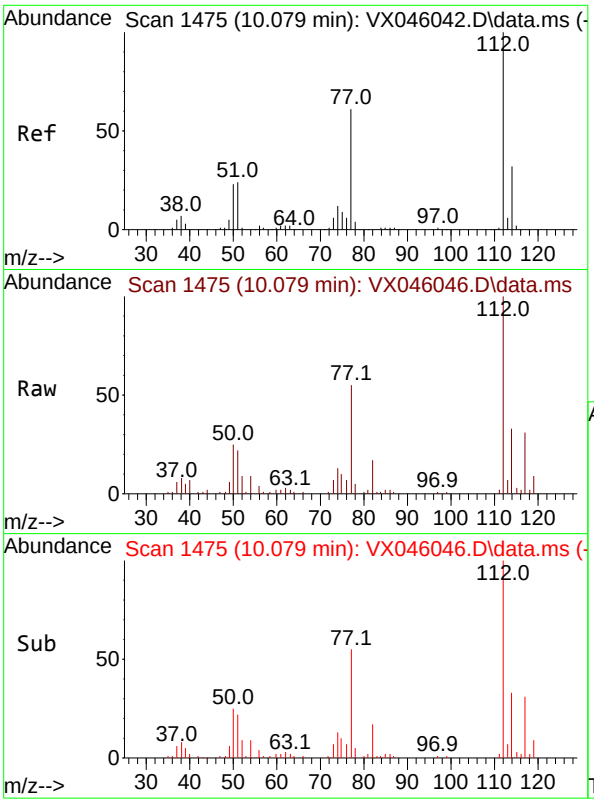



#64
Tetrachloroethene
Concen: 3.162 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:164 Resp: 4752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.8 | 105.0 | 157.6 |
| 129 | 105.8 | 83.5 | 125.3 |
| 131 | 104.1 | 76.5 | 114.7 |

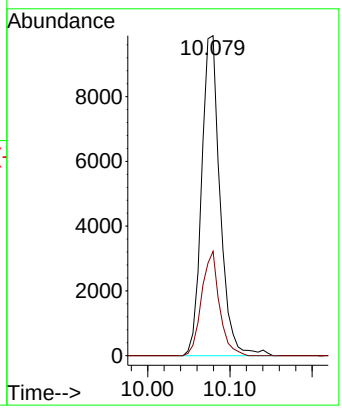





#65
Chlorobenzene
Concen: 3.399 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:112 Resp: 1539

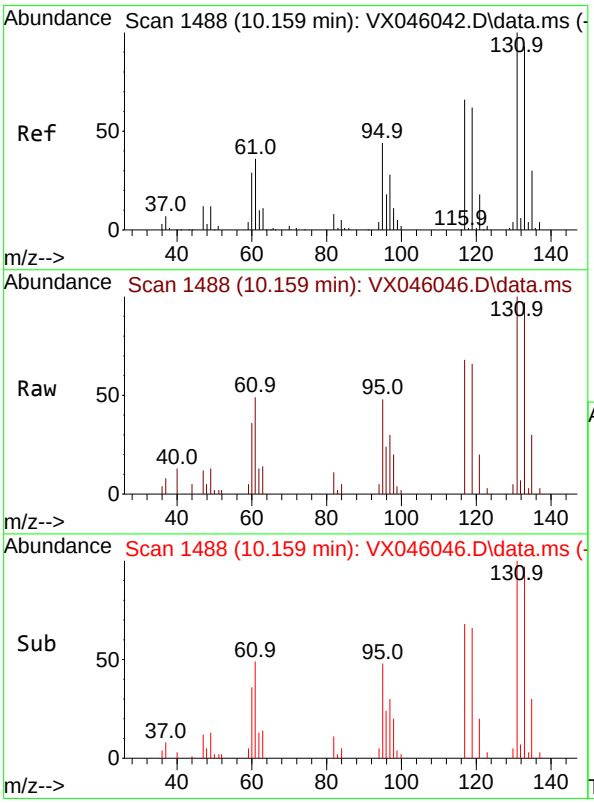
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 25.4 | 38.2 |




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

**Manual Integrations**
**APPROVED**

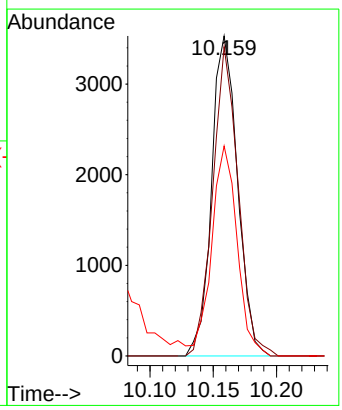
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

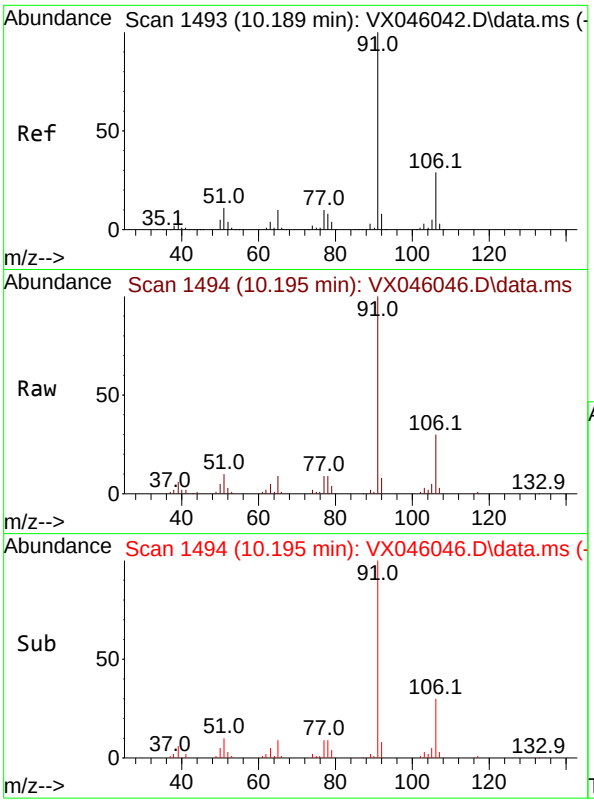



#66
1,1,1,2-Tetrachloroethane
Concen: 3.326 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:131 Resp: 5024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.0 | 47.3 | 141.9 |
| 119 | 64.8 | 31.6 | 95.0 |






#67
Ethyl Benzene
Concen: 3.463 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

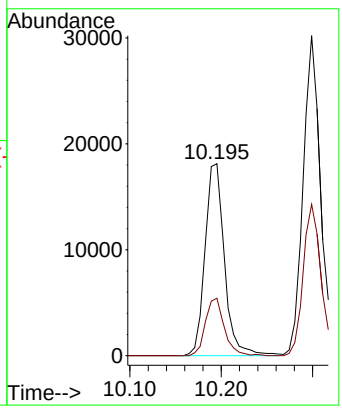
Tgt Ion: 91 Resp: 2673

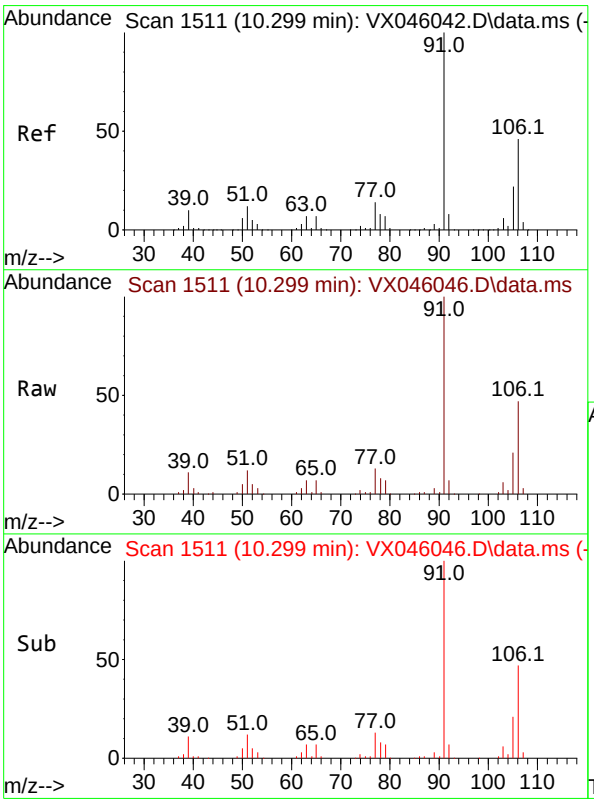
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 23.4 | 35.2 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

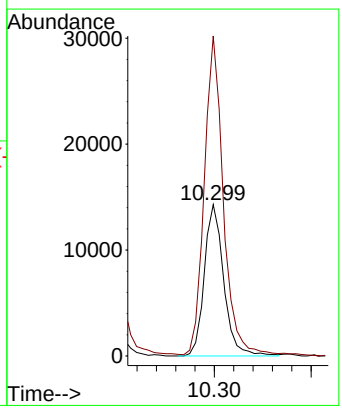


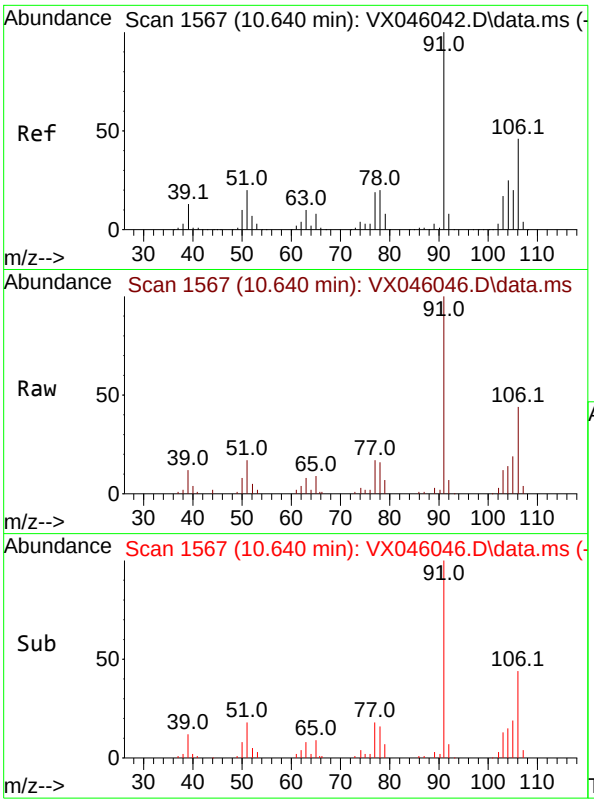




#68
m/p-Xylenes
Concen: 7.156 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:106 Resp: 19957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.1 | 171.2 | 256.8 |

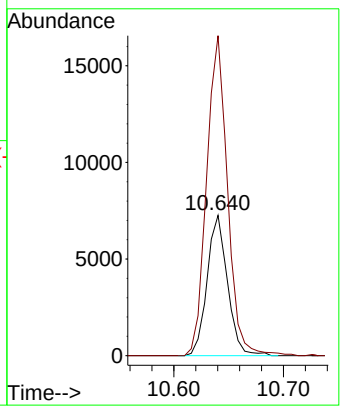





#69
o-Xylene
Concen: 3.343 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:106 Resp: 939

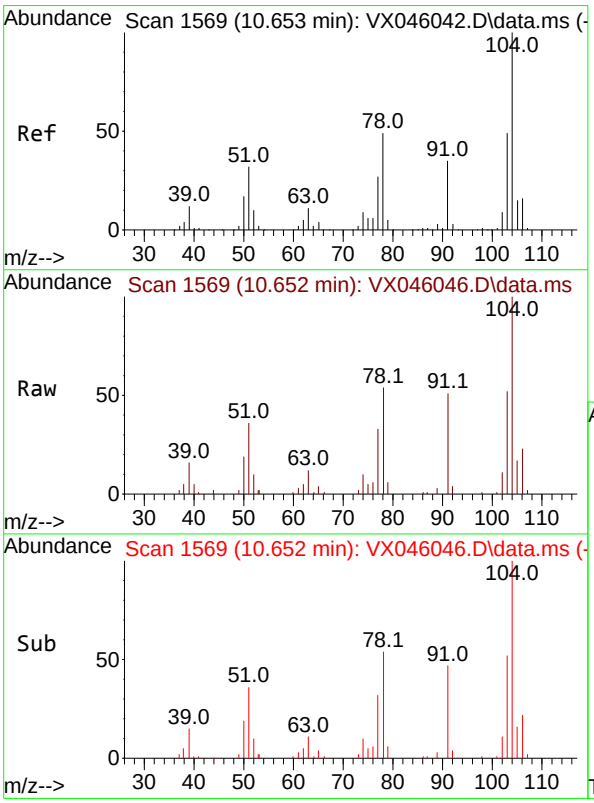
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 233.6 | 112.7 | 338.1 |




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

**Manual Integrations**
**APPROVED**

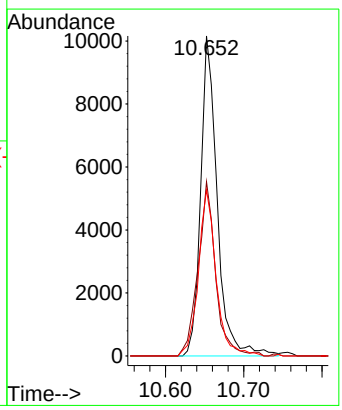
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

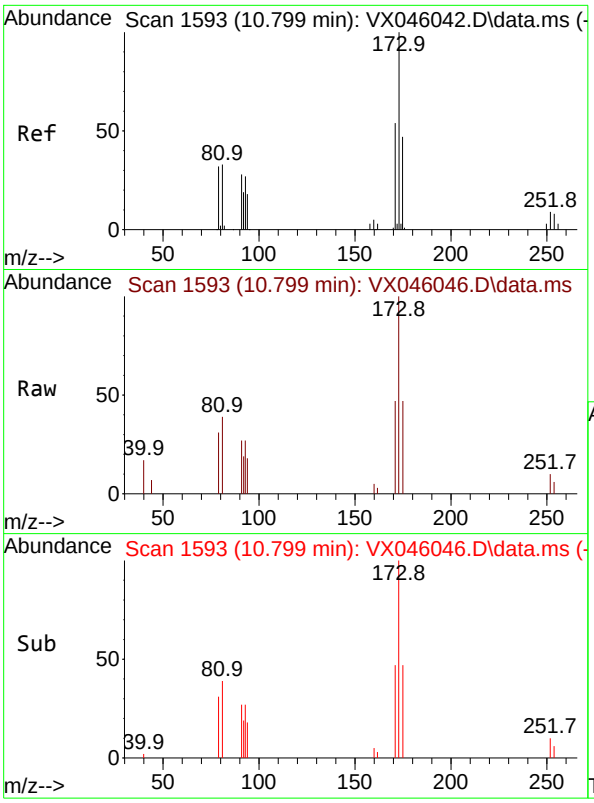



#70
Styrene
Concen: 3.312 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:104 Resp: 14900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.9 | 45.7 | 68.5 |
| 103 | 55.6 | 43.7 | 65.5 |

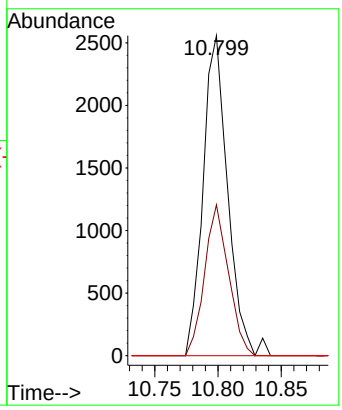





#71
Bromoform
Concen: 3.059 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:173 Resp: 347

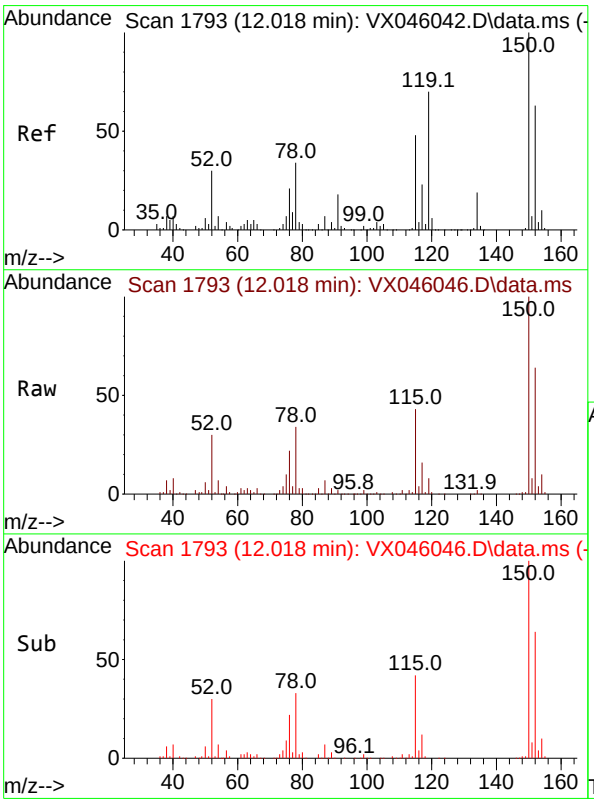
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 45.8 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |




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

**Manual Integrations**
**APPROVED**

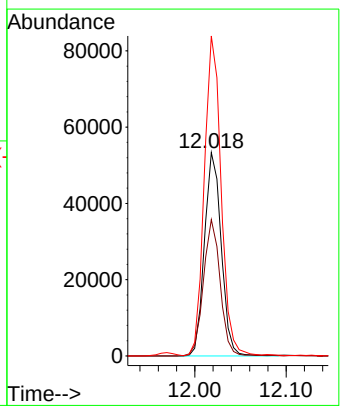
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

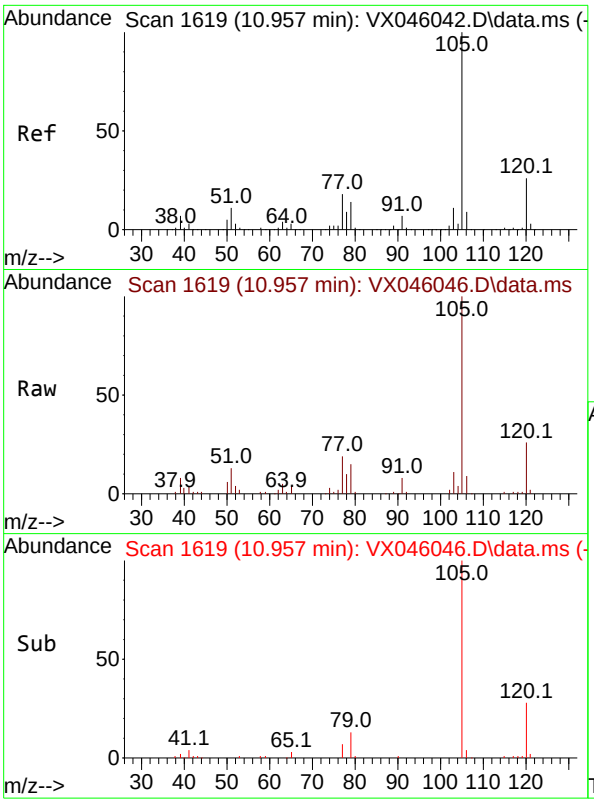



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:152 Resp: 67939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 66.8 | 46.9 | 140.7 |
| 150 | 157.5 | 0.0 | 351.0 |






#73
Isopropylbenzene
Concen: 3.266 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

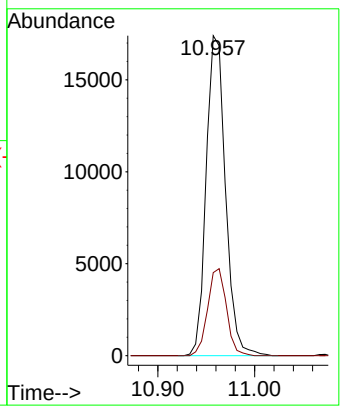
Tgt Ion:105 Resp: 2420

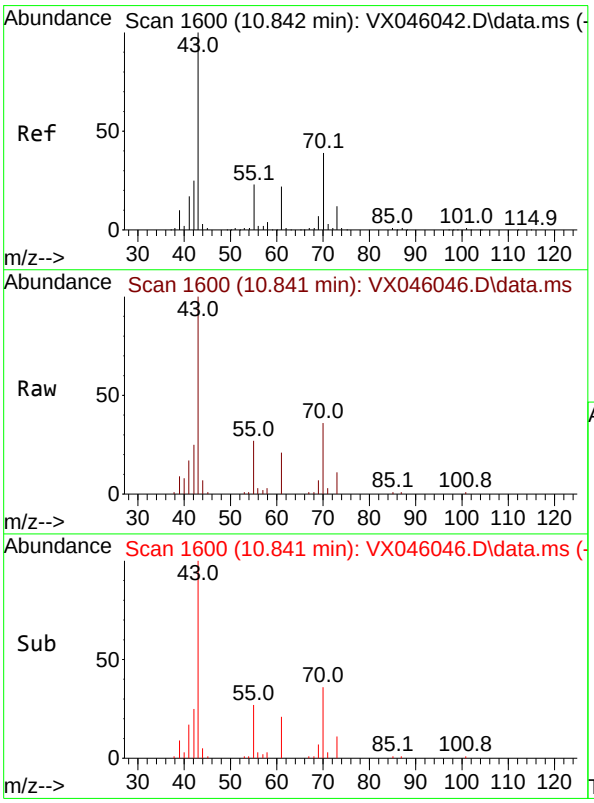
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 12.8 | 38.4 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

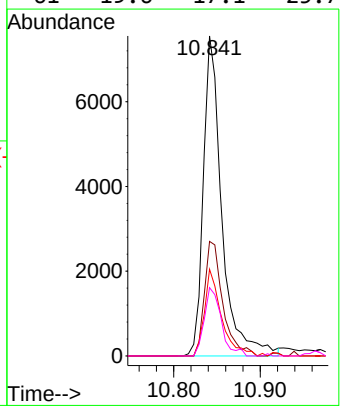


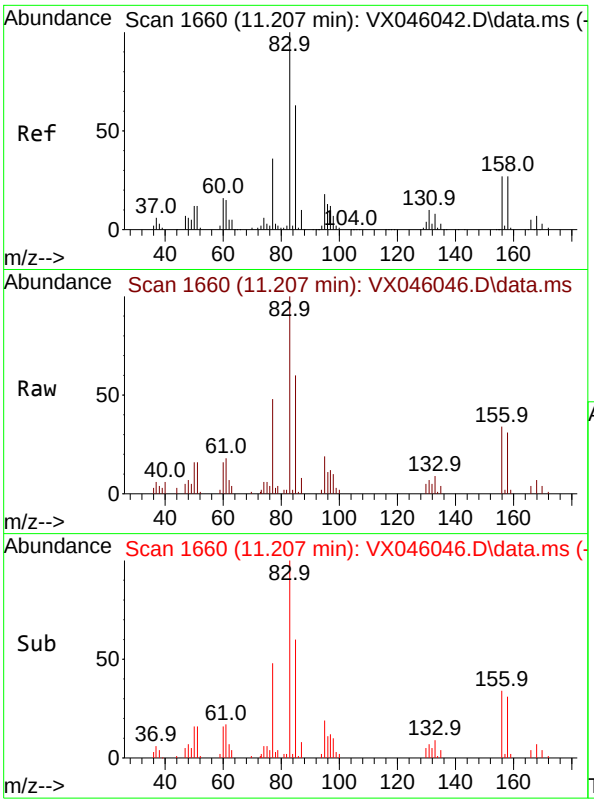




#74
N-amyl acetate
Concen: 3.038 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 11224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 35.4 | 30.9 | 46.3 |
| 55 | 25.0 | 18.7 | 28.1 |
| 61 | 19.6 | 17.1 | 25.7 |






#75
1,1,2,2-Tetrachloroethane
Concen: 3.479 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

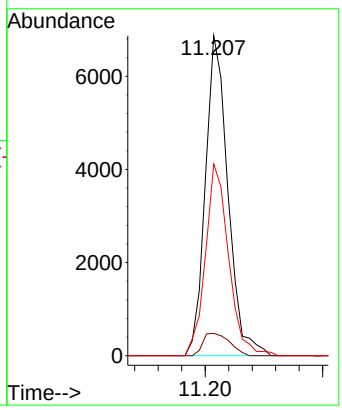
Tgt Ion: 83 Resp: 917

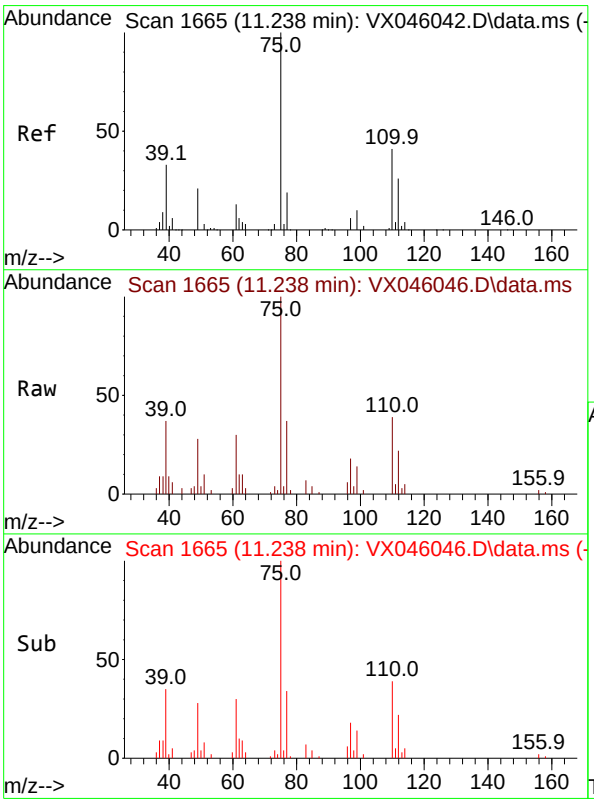
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 8.3 | 5.0 | 14.9 |
| 85 | 61.7 | 31.9 | 95.7 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

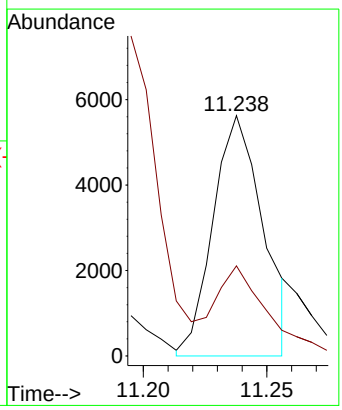


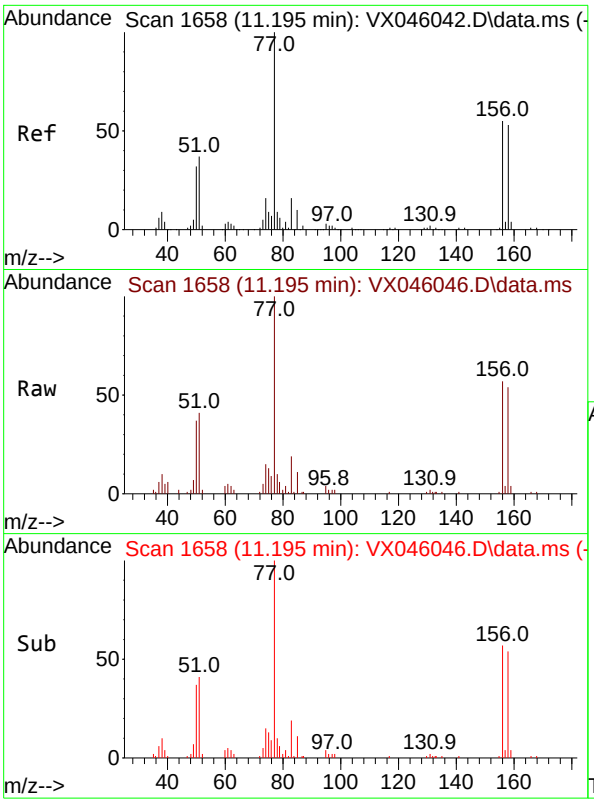




#76
1,2,3-Trichloropropane
Concen: 2.799 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.6 | 20.5 | 61.5 |






#77
Bromobenzene
Concen: 3.417 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

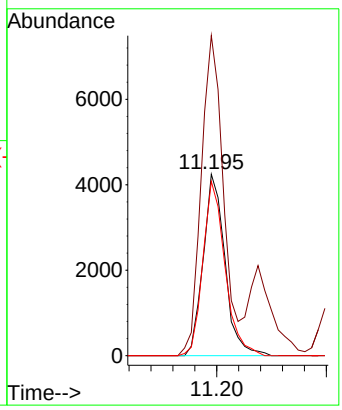
Tgt Ion:156 Resp: 585

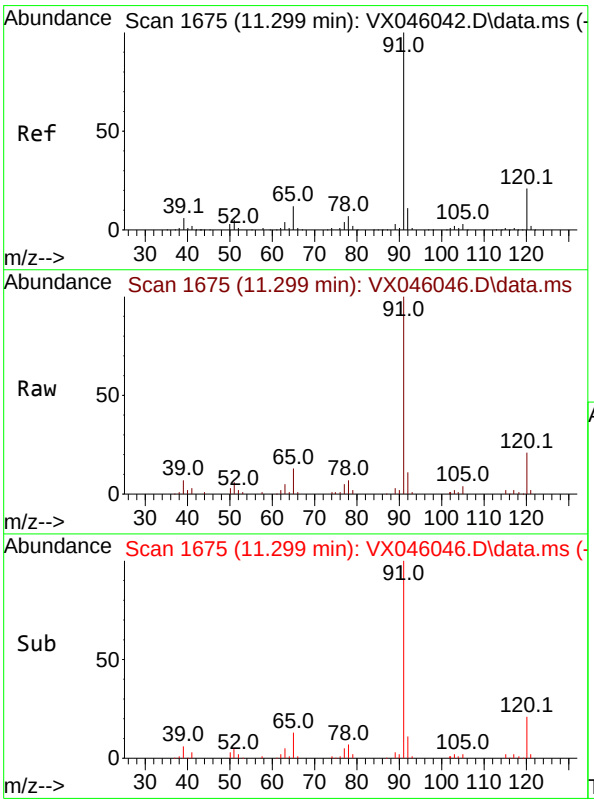
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 177.0 | 92.8 | 278.3 |
| 158 | 97.7 | 48.8 | 146.3 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

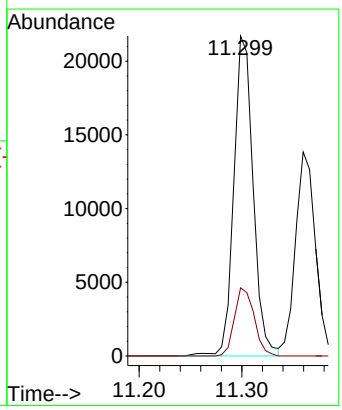


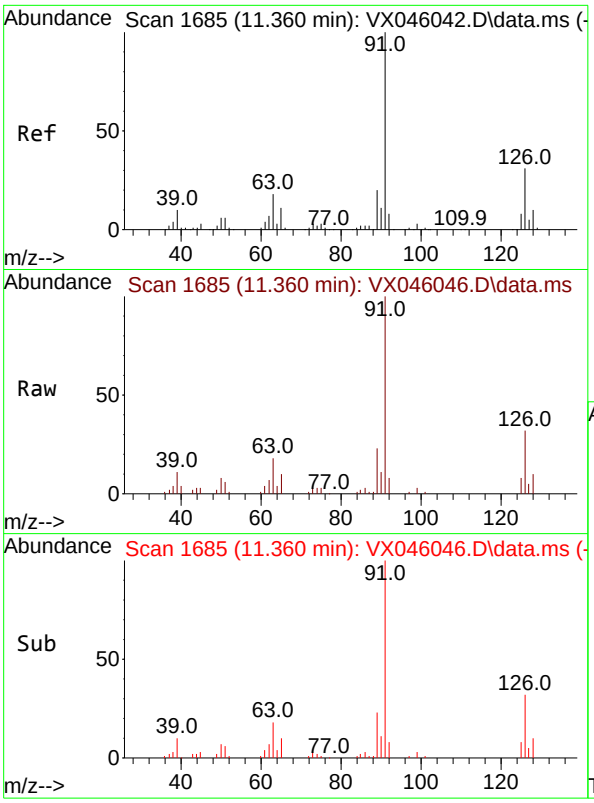




#78
n-propylbenzene
Concen: 3.424 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 28436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.7 | 10.8 | 32.4 |






#79
2-Chlorotoluene
Concen: 3.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

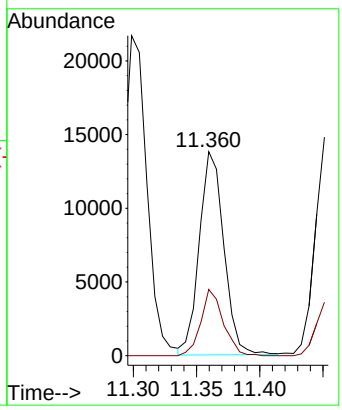
Tgt Ion: 91 Resp: 1867

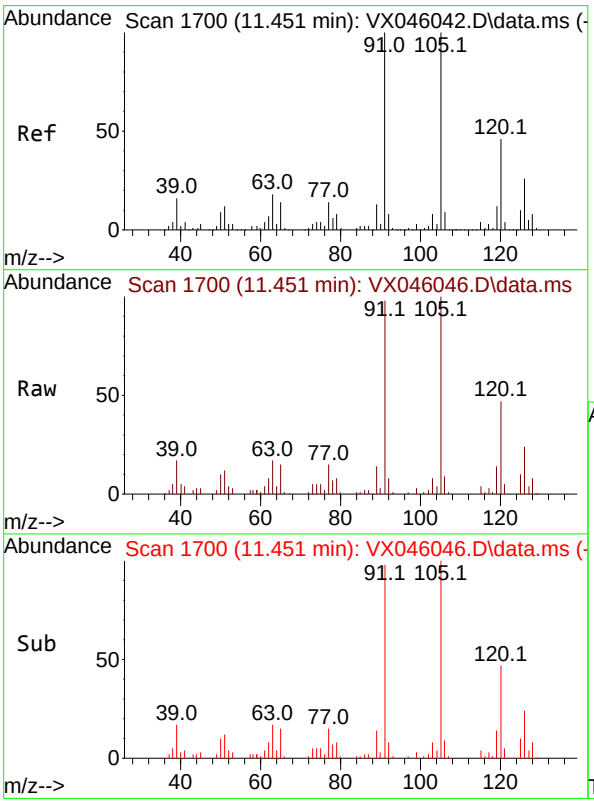
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.7 | 15.6 | 46.7 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

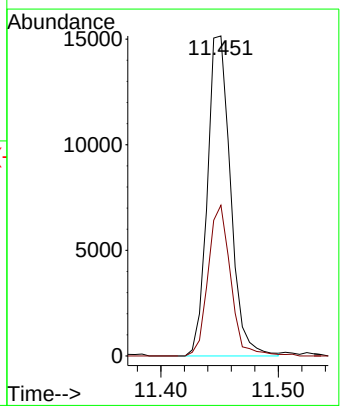


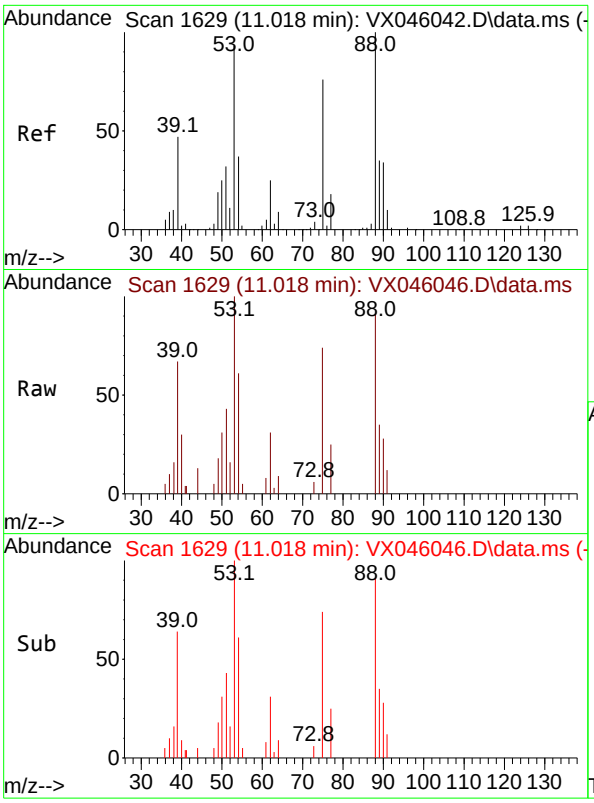




#80
1,3,5-Trimethylbenzene
Concen: 3.372 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.9 | 23.1 | 69.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 2.686 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

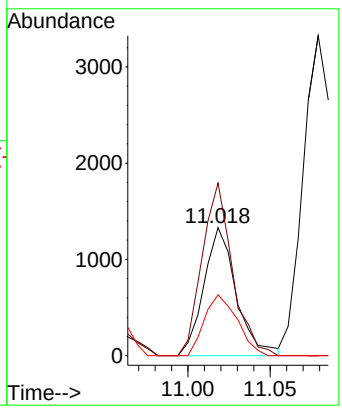
Tgt Ion: 75 Resp: 182

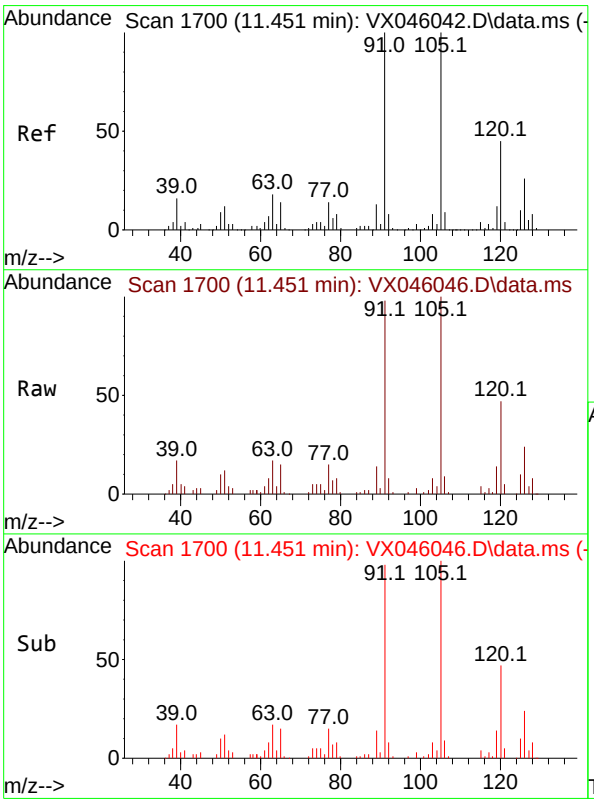
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 125.8 | 100.5 | 150.7 |
| 89 | 47.9 | 37.0 | 55.6 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

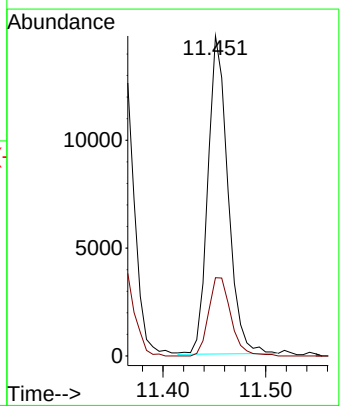


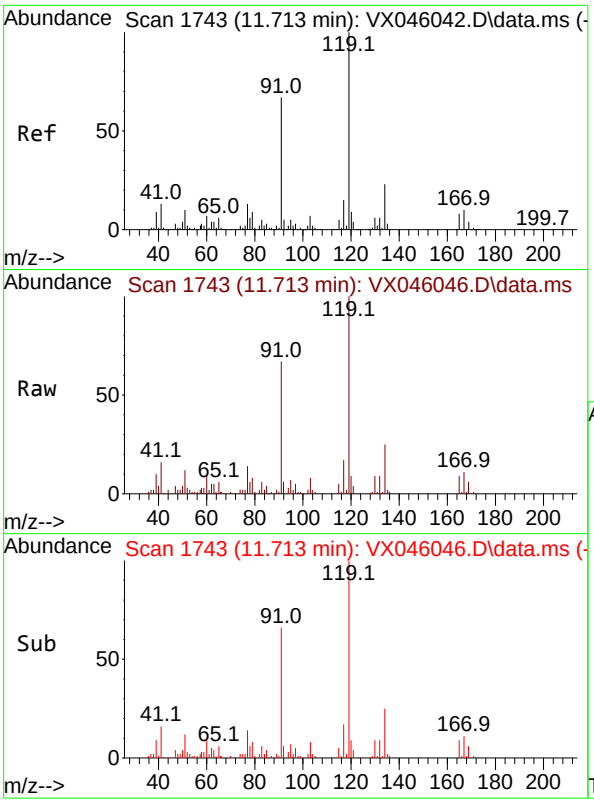




#82
4-Chlorotoluene
Concen: 3.245 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 19966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 27.3 | 13.3 | 39.8 |






#83
tert-Butylbenzene
Concen: 3.484 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

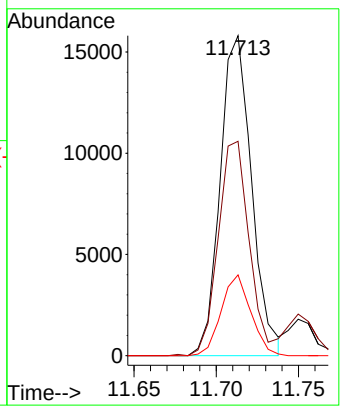
Tgt Ion:119 Resp: 2104

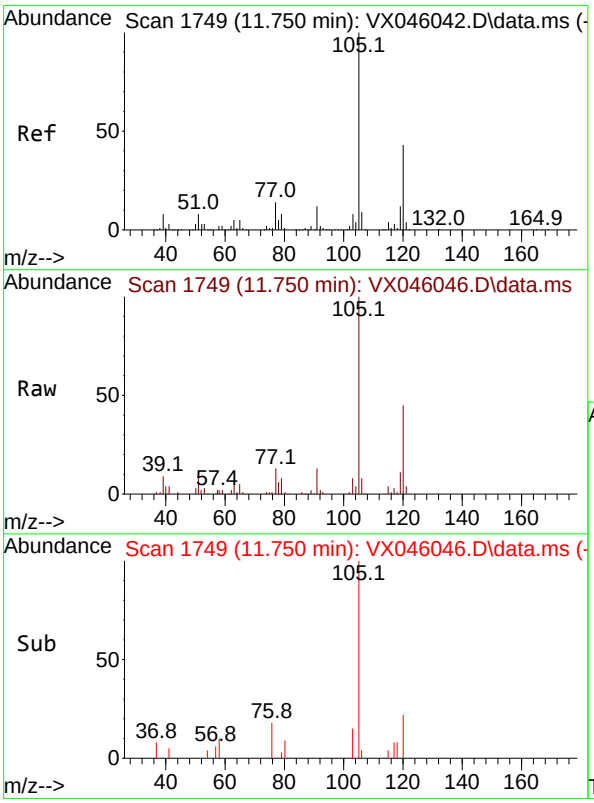
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 67.0 | 32.9 | 98.7 |
| 134 | 23.8 | 11.4 | 34.1 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

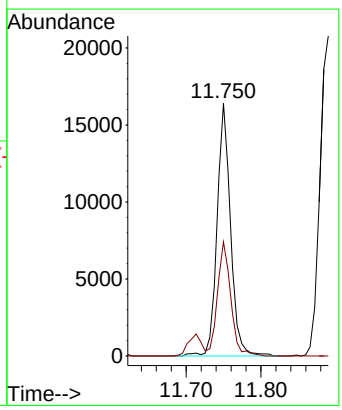


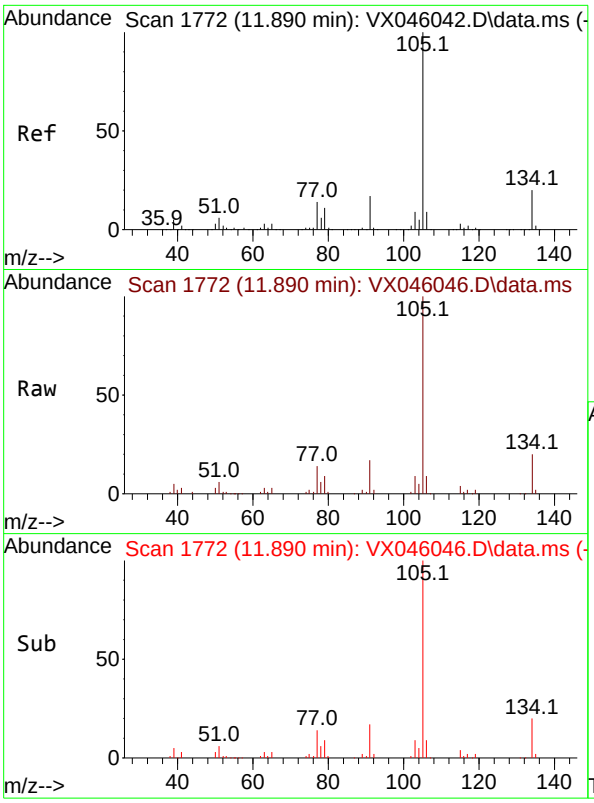




#84
1,2,4-Trimethylbenzene
Concen: 3.355 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.5 | 21.2 | 63.6 |






#85
sec-Butylbenzene
Concen: 3.412 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

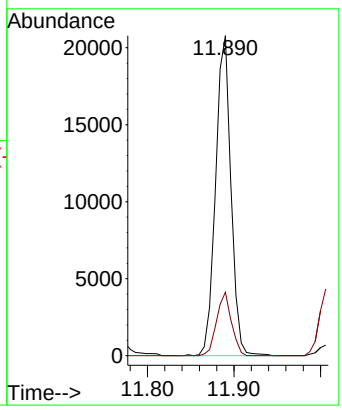
Tgt Ion:105 Resp: 2559

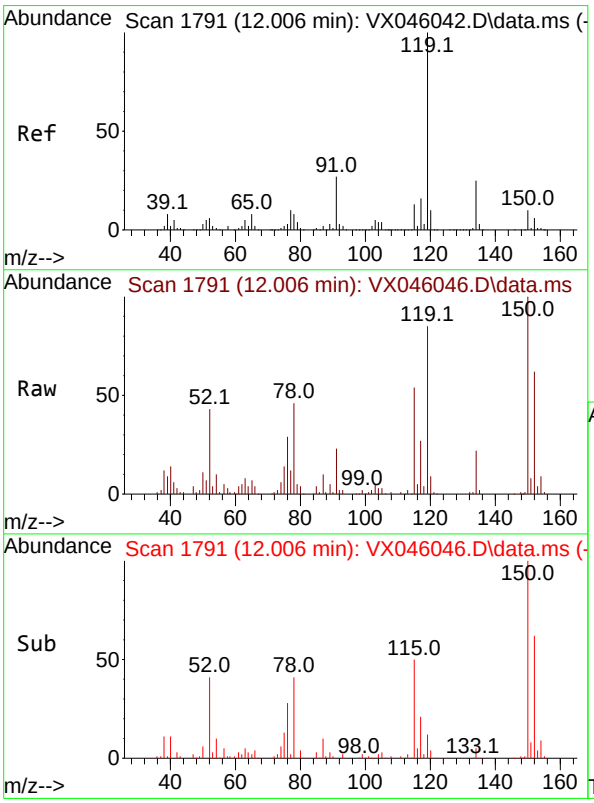
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.1 | 9.7 | 29.1 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

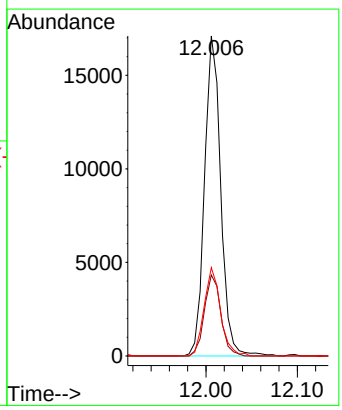


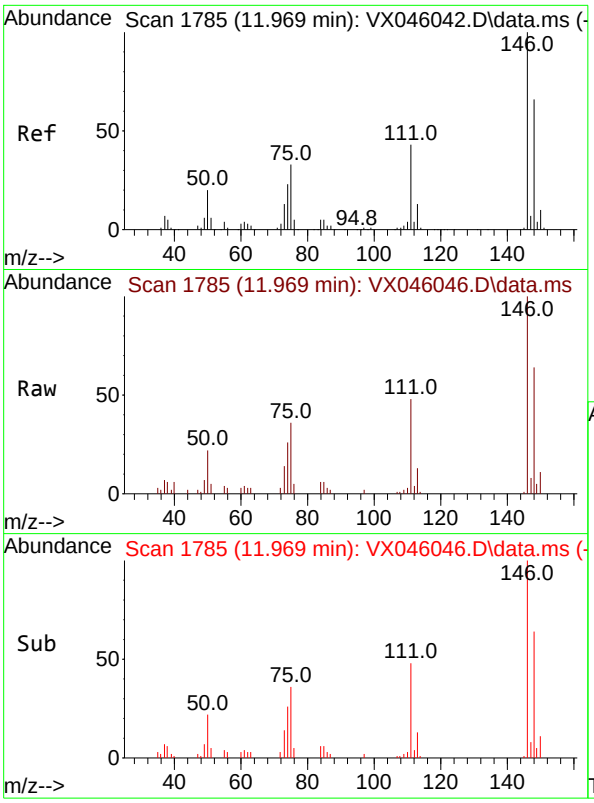




#86
p-Isopropyltoluene
Concen: 3.460 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:119 Resp: 20955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 12.5 | 37.5 |
| 91 | 28.0 | 13.8 | 41.4 |

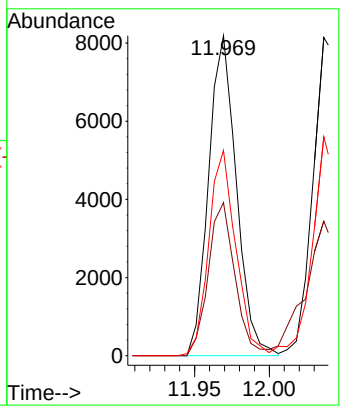





#87
1,3-Dichlorobenzene
Concen: 3.315 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 1058

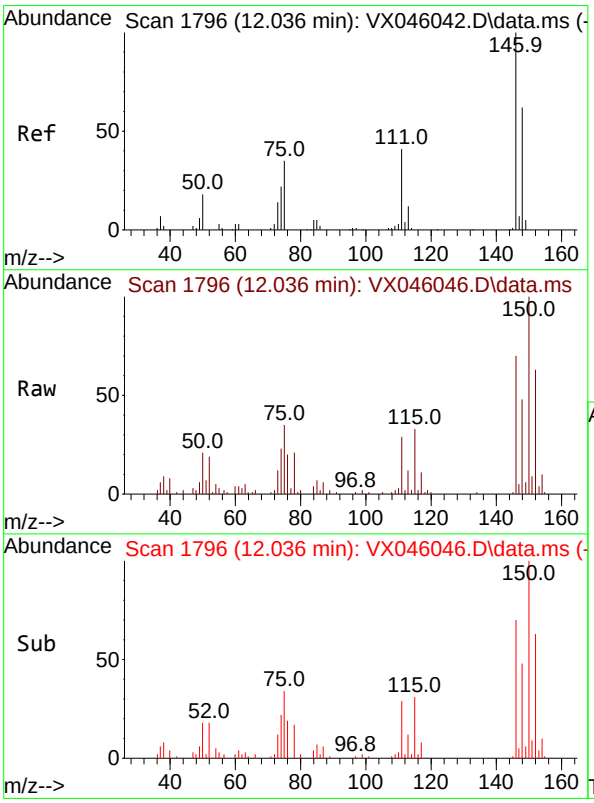
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.2 | 22.1 | 66.3 |
| 148 | 62.4 | 32.1 | 96.5 |




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

**Manual Integrations**
**APPROVED**

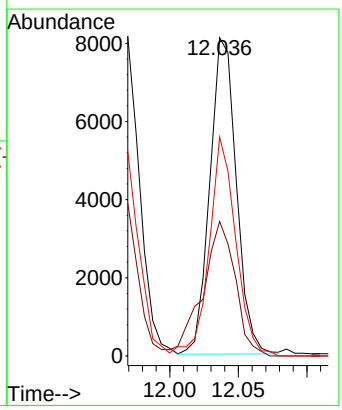
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

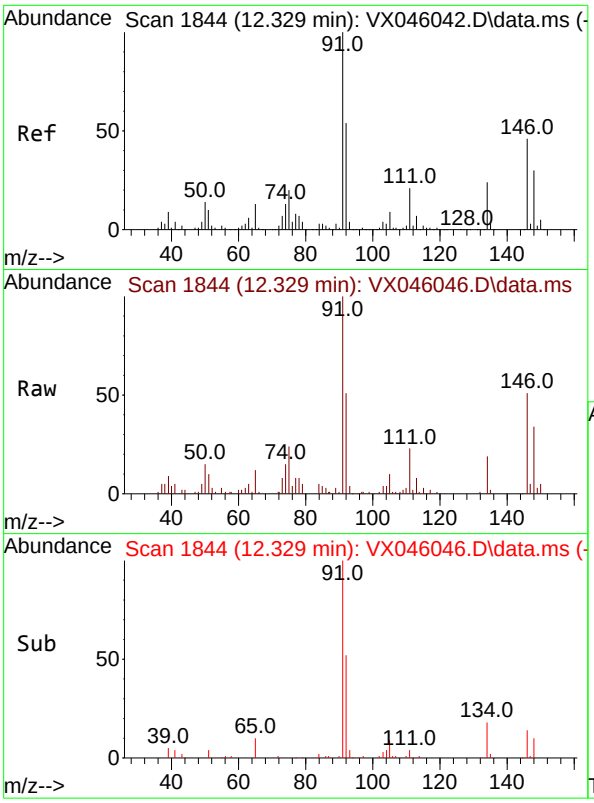



#88
1,4-Dichlorobenzene
Concen: 3.486 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 10908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 52.1 | 21.3 | 63.9 |
| 148 | 69.4 | 31.9 | 95.5 |

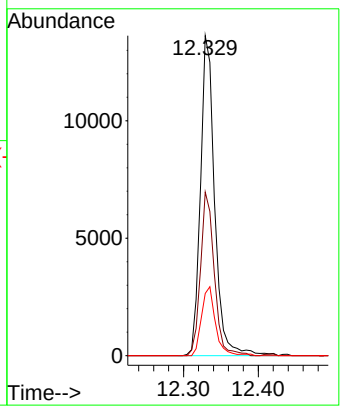





#89
n-Butylbenzene
Concen: 3.419 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 1800

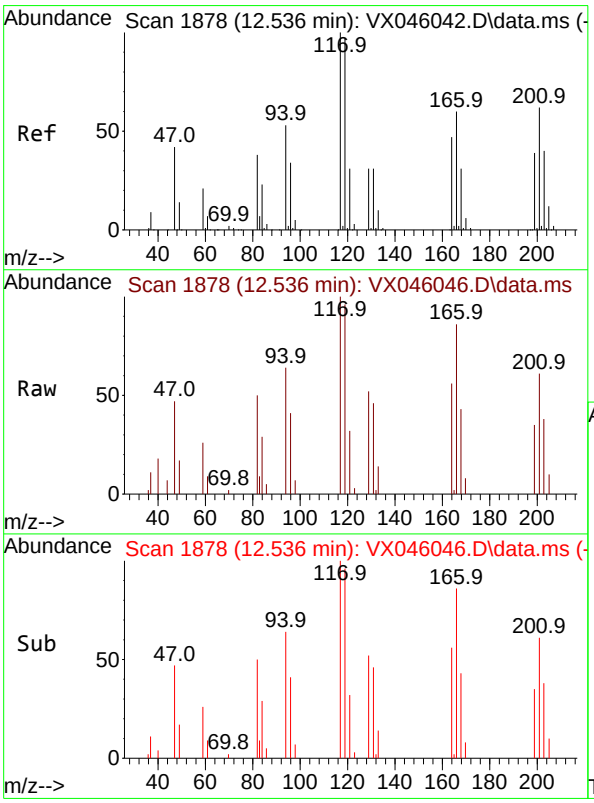
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 49.5 | 26.9 | 80.7 |
| 134 | 21.2 | 11.8 | 35.3 |




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

**Manual Integrations**
**APPROVED**

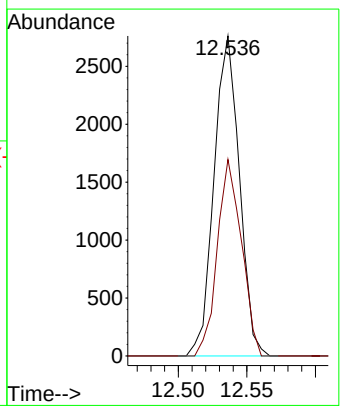
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

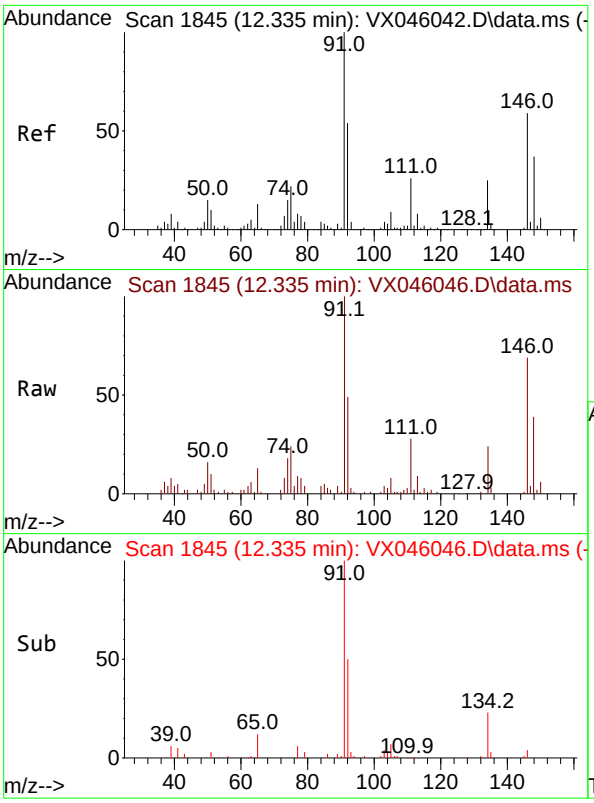



#90
Hexachloroethane
Concen: 3.153 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 3553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 58.5 | 31.6 | 94.7 |

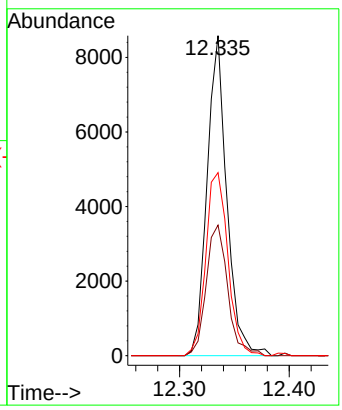





#91
1,2-Dichlorobenzene
Concen: 3.444 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 1071

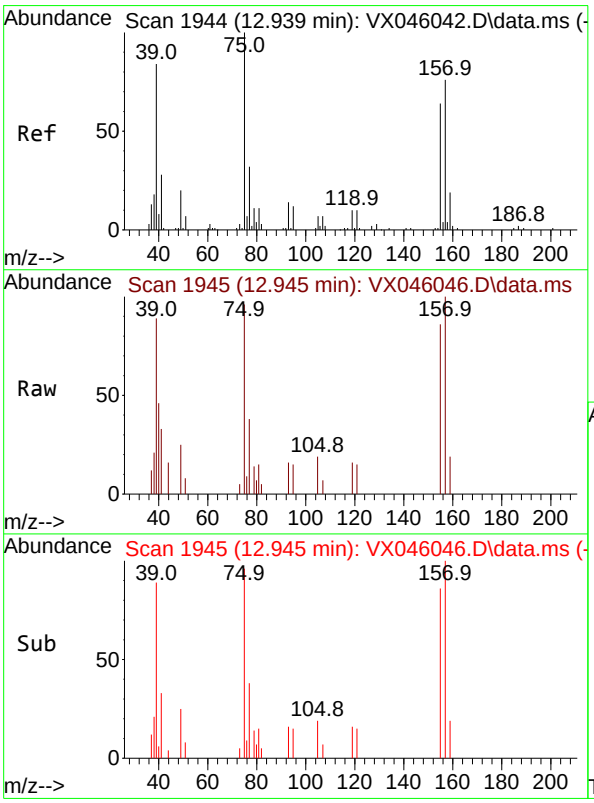
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.7 | 22.4 | 67.3 |
| 148 | 64.2 | 31.6 | 94.8 |




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

**Manual Integrations**
**APPROVED**

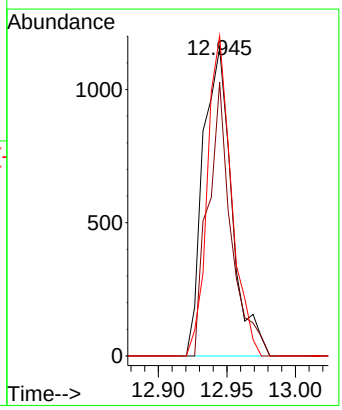
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

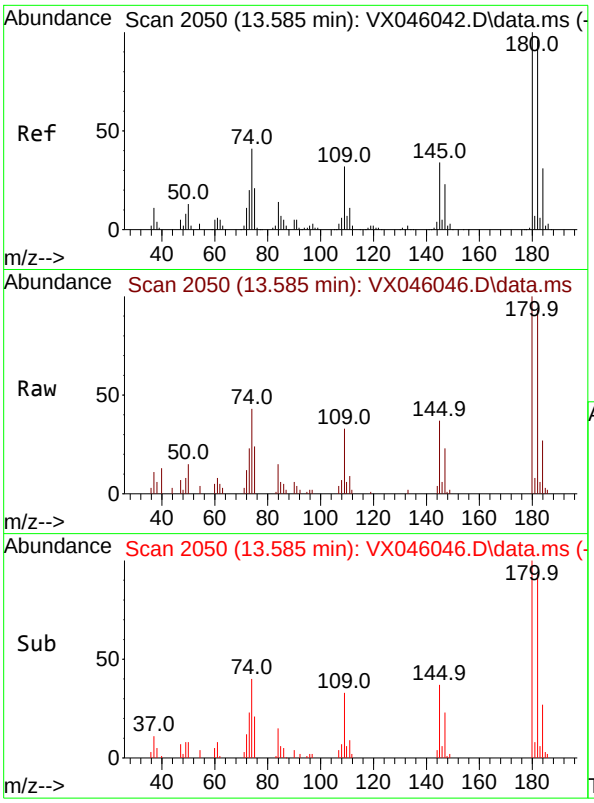



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.812 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 1687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 71.7 | 34.9 | 104.8 |
| 157 | 87.0 | 43.8 | 131.4 |

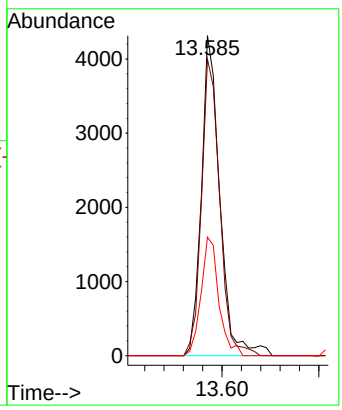





#93
1,2,4-Trichlorobenzene
Concen: 3.359 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:180 Resp: 572

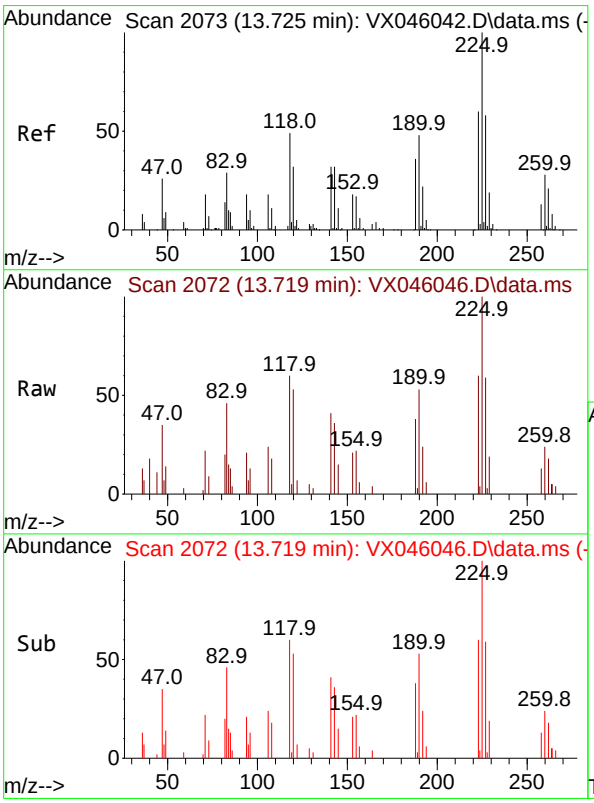
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.6 | 47.9 | 143.8 |
| 145 | 35.7 | 17.1 | 51.2 |




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

**Manual Integrations**
**APPROVED**

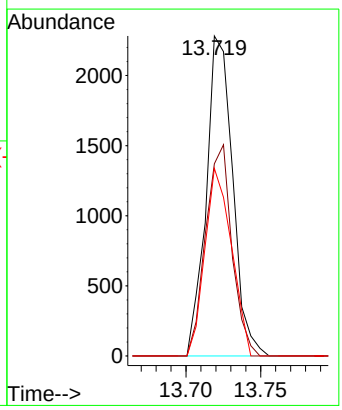
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

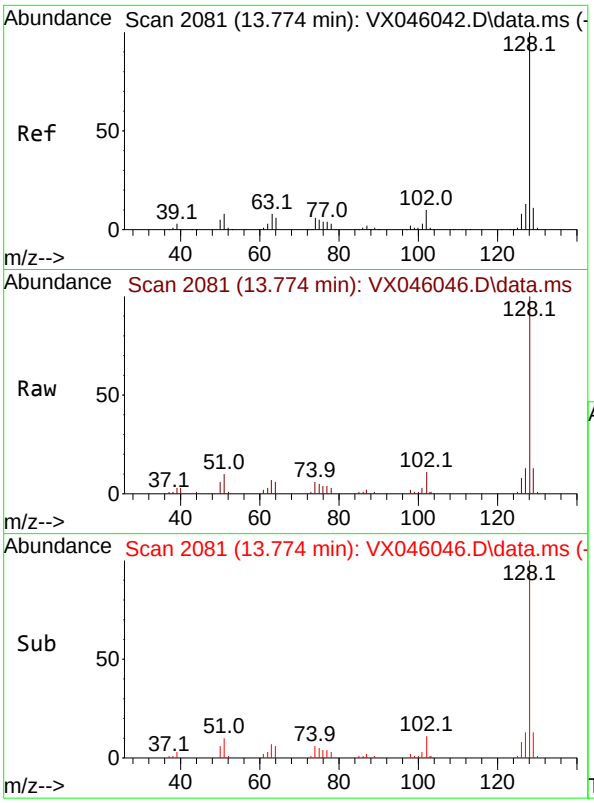



#94
Hexachlorobutadiene
Concen: 3.535 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:225 Resp: 2816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.1 | 30.8 | 92.4 |
| 227 | 58.8 | 30.9 | 92.7 |

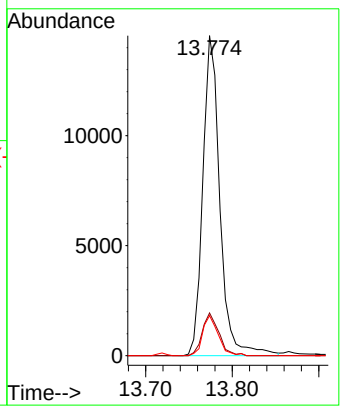





#95
Naphthalene
Concen: 3.209 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:128 Resp: 1990

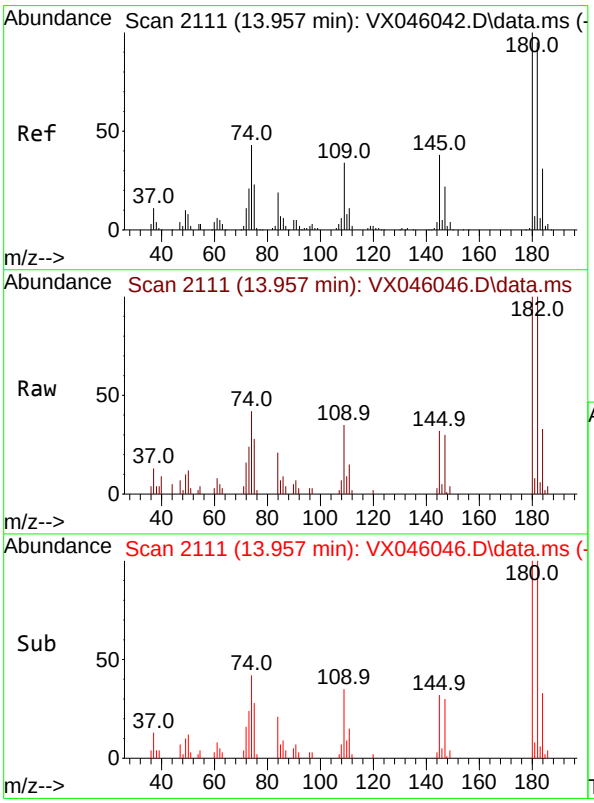
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.4 | 15.6 |
| 129 | 11.5 | 8.6 | 13.0 |




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

**Manual Integrations**
**APPROVED**

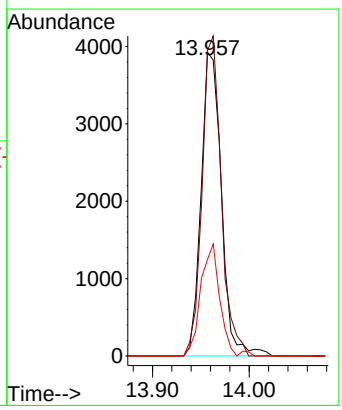
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025




#96
1,2,3-Trichlorobenzene
Concen: 3.217 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:180 Resp: 5745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 99.1 | 47.8 | 143.3 |
| 145 | 34.8 | 18.1 | 54.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 92040 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 167022 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 140108 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 59123 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 0.000 | 65 | 0d | 0.000 | ug/l | | |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 0.000%# | | | |
| 35) Dibromofluoromethane | 0.000 | 113 | 0d | 0.000 | ug/l | | |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 0.000%# | | | |
| 50) Toluene-d8 | 0.000 | 98 | 0d | 0.000 | ug/l | | |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 0.000%# | | | |
| 62) 4-Bromofluorobenzene | 0.000 | 95 | 0d | 0.000 | ug/l | | |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 0.000%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 1211 | 0.596 | ug/l | | 98 |
| 3) Chloromethane | 1.307 | 50 | 1278 | 0.639 | ug/l | | 97 |
| 4) Vinyl Chloride | 1.374 | 62 | 1239 | 0.707 | ug/l | # | 82 |
| 6) Chloroethane | 1.678 | 64 | 859 | 0.951 | ug/l | | 91 |
| 7) Trichlorofluoromethane | 1.880 | 101 | 1959 | 0.734 | ug/l | | 95 |
| 8) Diethyl Ether | 2.130 | 74 | 742 | 0.845 | ug/l | | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 1166 | 0.731 | ug/l | | 96 |
| 12) 1,1-Dichloroethene | 2.313 | 96 | 1093 | 0.704 | ug/l | # | 87 |
| 14) Allyl chloride | 2.654 | 41 | 1936 | 0.660 | ug/l | | 89 |
| 15) Acrylonitrile | 3.075 | 53 | 3343 | 3.424 | ug/l | | 98 |
| 16) Acetone | 2.380 | 43 | 3500 | 3.736 | ug/l | | 97 |
| 17) Carbon Disulfide | 2.508 | 76 | 2619 | 0.728 | ug/l | | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 1852 | 0.828 | ug/l | | 98 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 3588 | 0.662 | ug/l | | 96 |
| 20) Methylene Chloride | 2.782 | 84 | 1571 | 0.828 | ug/l | # | 90 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 1111 | 0.701 | ug/l | # | 71 |
| 22) Diisopropyl ether | 3.757 | 45 | 3857 | 0.703 | ug/l | # | 26 |
| 23) Vinyl Acetate | 3.727 | 43 | 15283 | 3.154 | ug/l | | 96 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 2054 | 0.637 | ug/l | | 97 |
| 25) 2-Butanone | 4.593 | 43 | 4558 | 3.371 | ug/l | | 92 |
| 26) 2,2-Dichloropropane | 4.458 | 77 | 1777 | 0.728 | ug/l | | 84 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 1324 | 0.693 | ug/l | | 91 |
| 28) Bromochloromethane | 4.910 | 49 | 1061m | 0.619 | ug/l | | |
| 29) Tetrahydrofuran | 5.019 | 42 | 2931 | 3.338 | ug/l | | 99 |
| 30) Chloroform | 5.093 | 83 | 2328 | 0.695 | ug/l | | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 1869 | 0.647 | ug/l | # | 51 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 1648 | 0.758 | ug/l | # | 83 |
| 37) Ethyl Acetate | 4.733 | 43 | 1956m | 0.717 | ug/l | | |
| 38) Carbon Tetrachloride | 5.678 | 117 | 1807 | 0.724 | ug/l | # | 78 |
| 39) Methylcyclohexane | 7.373 | 83 | 2096 | 0.770 | ug/l | | 97 |
| 40) Benzene | 6.044 | 78 | 4502 | 0.668 | ug/l | # | 89 |
| 41) Methacrylonitrile | 4.946 | 41 | 778 | 0.513 | ug/l | # | 56 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 1934 | 0.694 | ug/l | | 81 |
| 43) Isopropyl Acetate | 6.354 | 43 | 2553 | 0.612 | ug/l | # | 81 |
| 44) Trichloroethene | 7.135 | 130 | 1083 | 0.680 | ug/l | | 85 |
| 45) 1,2-Dichloropropane | 7.440 | 63 | 1059 | 0.633 | ug/l | | 89 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) Dibromomethane | 7.586 | 93 | 880 | 0.667 | ug/l | | 97 |
| 47) Bromodichloromethane | 7.818 | 83 | 1620 | 0.633 | ug/l | # | 91 |
| 48) Methyl methacrylate | 7.714 | 41 | 1235m | 0.577 | ug/l | | |
| 49) 1,4-Dioxane | 7.677 | 88 | 498 | 11.703 | ug/l | # | 66 |
| 51) 4-Methyl-2-Pentanone | 8.580 | 43 | 9378 | 3.430 | ug/l | | 97 |
| 52) Toluene | 8.720 | 92 | 2684 | 0.672 | ug/l | | 96 |
| 53) t-1,3-Dichloropropene | 8.988 | 75 | 1238 | 0.576 | ug/l | # | 79 |
| 54) cis-1,3-Dichloropropene | 8.379 | 75 | 1414 | 0.564 | ug/l | # | 87 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 1029 | 0.637 | ug/l | | 92 |
| 56) Ethyl methacrylate | 9.128 | 69 | 1260 | 0.504 | ug/l | # | 76 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 2036 | 0.711 | ug/l | | 97 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 3846 | 3.420 | ug/l | | 94 |
| 59) 2-Hexanone | 9.439 | 43 | 6424 | 3.096 | ug/l | | 88 |
| 60) Dibromochloromethane | 9.525 | 129 | 1023 | 0.582 | ug/l | | 93 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 1077 | 0.650 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.275 | 164 | 972 | 0.679 | ug/l | | 95 |
| 65) Chlorobenzene | 10.079 | 112 | 3170 | 0.735 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 1035 | 0.720 | ug/l | # | 67 |
| 67) Ethyl Benzene | 10.195 | 91 | 5052 | 0.687 | ug/l | | 94 |
| 68) m/p-Xylenes | 10.299 | 106 | 3630 | 1.367 | ug/l | | 97 |
| 69) o-Xylene | 10.640 | 106 | 1799 | 0.672 | ug/l | | 94 |
| 70) Styrene | 10.659 | 104 | 2664 | 0.622 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 657 | 0.608 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 4480 | 0.695 | ug/l | | 96 |
| 74) N-amyl acetate | 10.854 | 43 | 2028 | 0.631 | ug/l | # | 91 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 1835 | 0.800 | ug/l | | 94 |
| 76) 1,2,3-Trichloropropane | 11.244 | 75 | 1661m | 0.674 | ug/l | | |
| 77) Bromobenzene | 11.201 | 156 | 1095 | 0.734 | ug/l | | 96 |
| 78) n-propylbenzene | 11.305 | 91 | 5052 | 0.699 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 3765 | 0.773 | ug/l | | 94 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 3590 | 0.671 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 3815 | 0.713 | ug/l | | 97 |
| 83) tert-Butylbenzene | 11.713 | 119 | 3951 | 0.751 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.756 | 105 | 3725 | 0.697 | ug/l | | 97 |
| 85) sec-Butylbenzene | 11.890 | 105 | 4385 | 0.672 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 3577 | 0.679 | ug/l | | 94 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 1914 | 0.689 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 2149m | 0.789 | ug/l | | |
| 89) n-Butylbenzene | 12.335 | 91 | 2889 | 0.631 | ug/l | | 92 |
| 90) Hexachloroethane | 12.536 | 117 | 604 | 0.616 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.341 | 146 | 2022 | 0.747 | ug/l | | 95 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 306 | 0.586 | ug/l | | 83 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 1019 | 0.688 | ug/l | | 94 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 465 | 0.671 | ug/l | | 89 |
| 95) Naphthalene | 13.780 | 128 | 4138 | 0.767 | ug/l | | 97 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 1113 | 0.716 | ug/l | | 96 |

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

ICAL Form

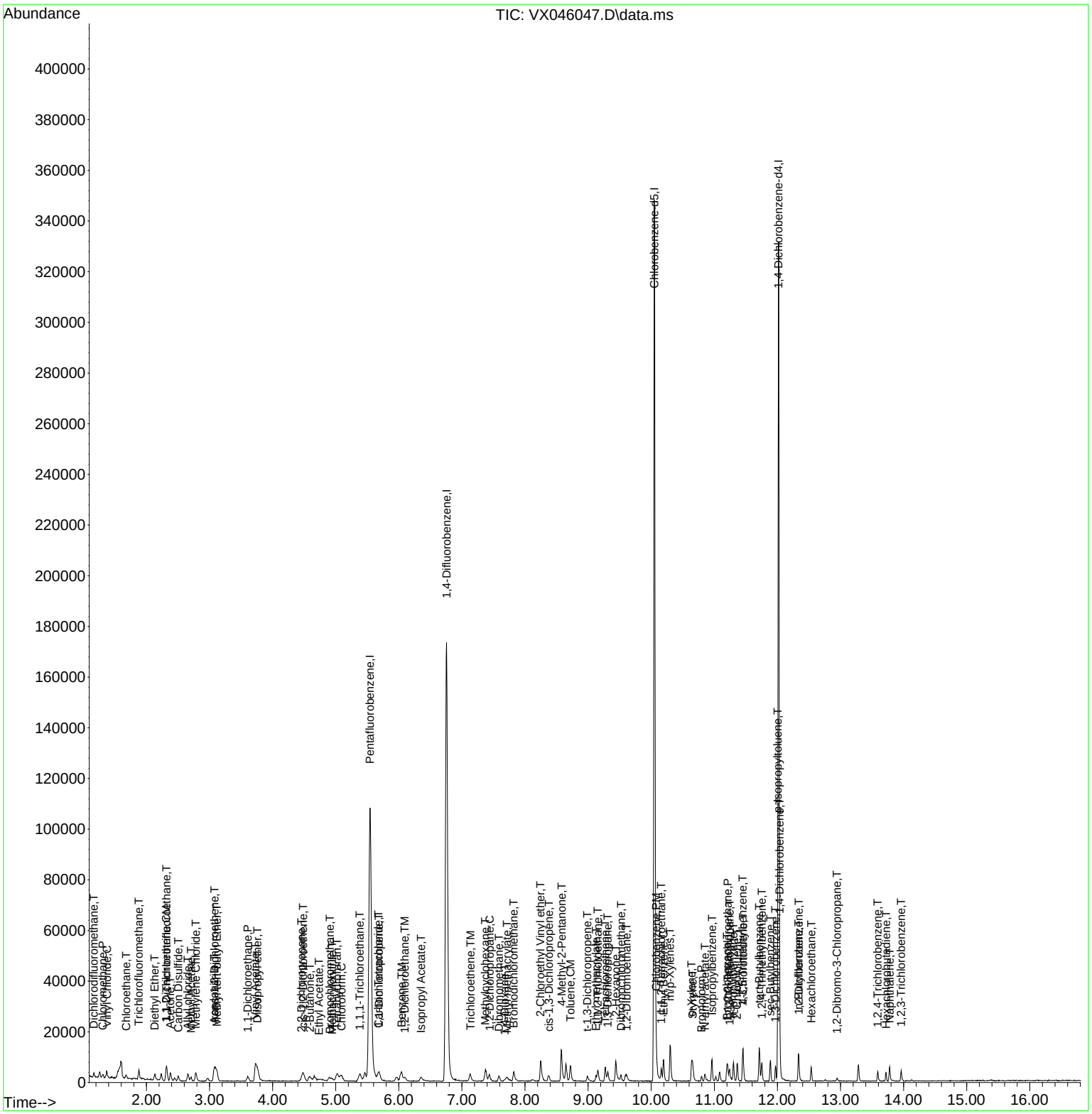
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

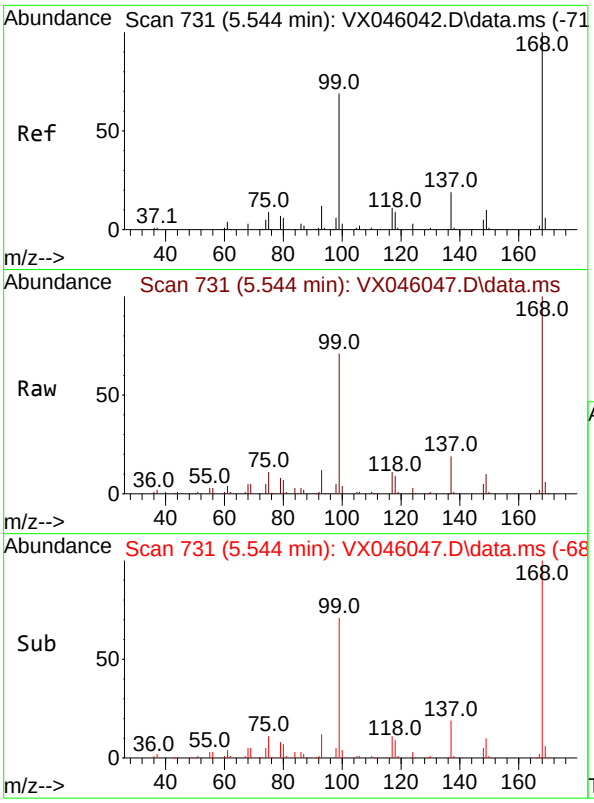
Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

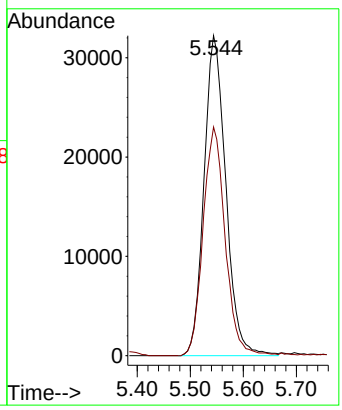





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:168 Resp: 9204

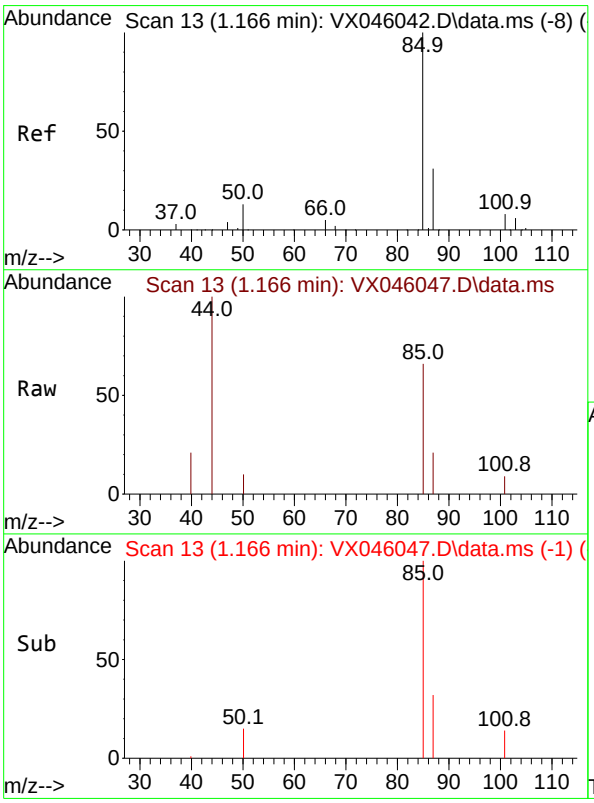
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 71.5 | 54.9 | 82.3 |




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

**Manual Integrations**
**APPROVED**

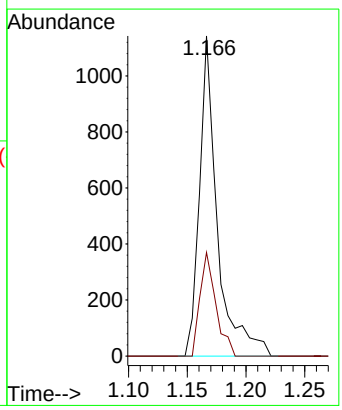
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

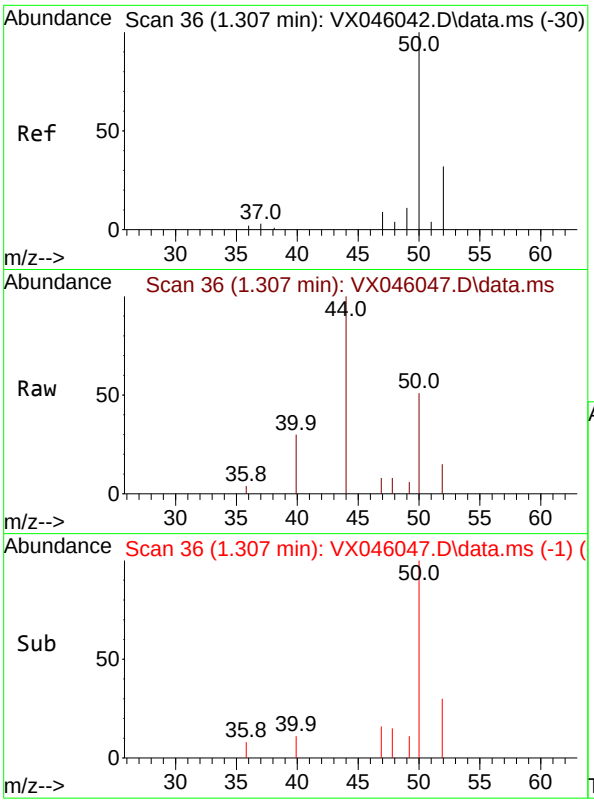



#2
Dichlorodifluoromethane
Concen: 0.596 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 85 Resp: 1211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 15.7 | 47.1 |

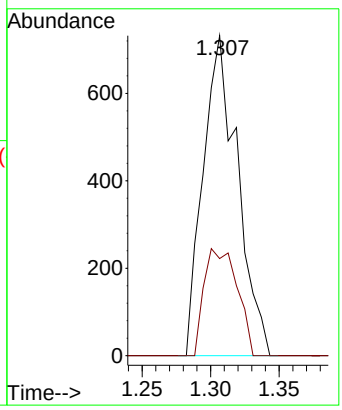





#3
Chloromethane
Concen: 0.639 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 50 Resp: 127

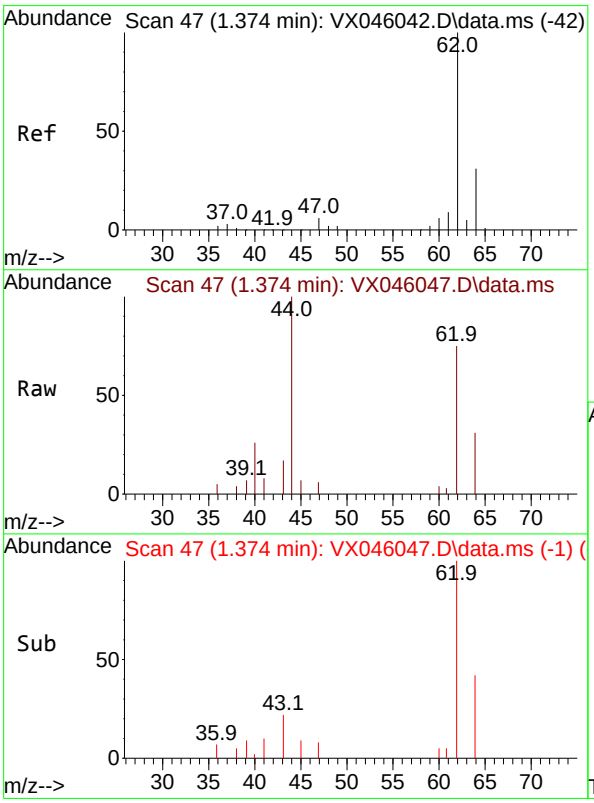
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.3 | 25.4 | 38.2 |




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

**Manual Integrations**
**APPROVED**

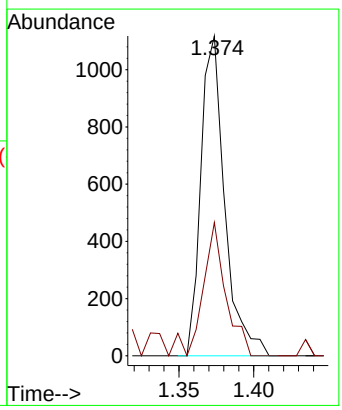
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

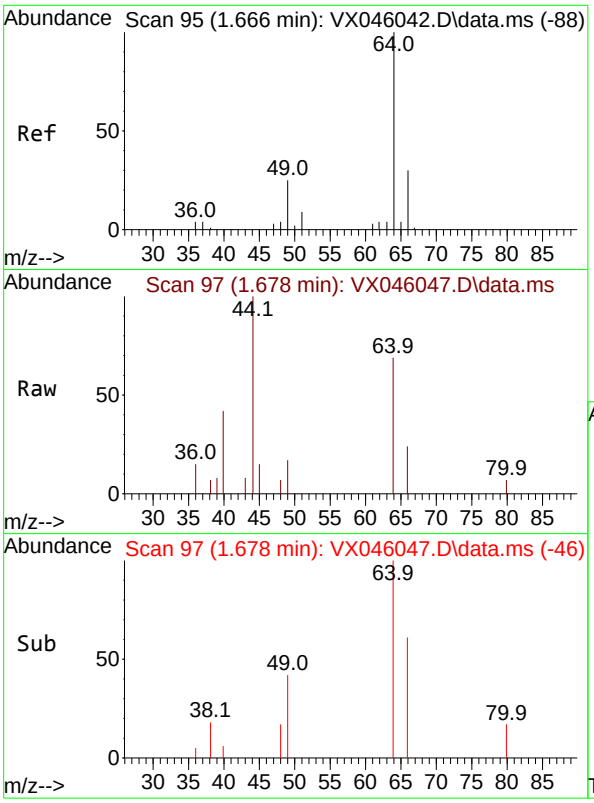



#4
Vinyl Chloride
Concen: 0.707 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 1239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 41.7 | 25.2 | 37.8# |

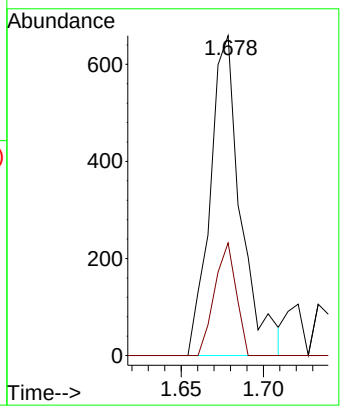





#6
Chloroethane
Concen: 0.951 ug/l
RT: 1.678 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 64 Resp: 85

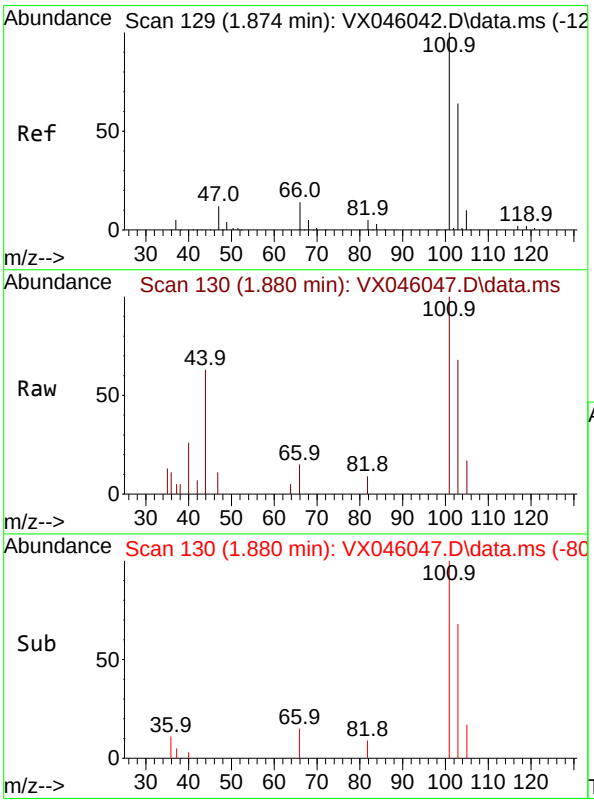
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.2 | 24.3 | 36.5 |




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

**Manual Integrations**
**APPROVED**

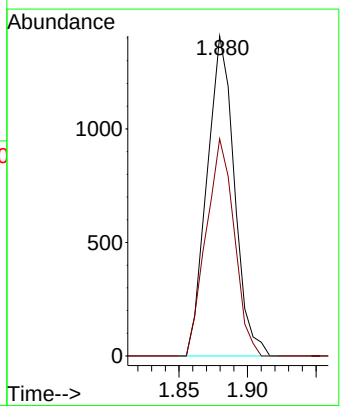
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

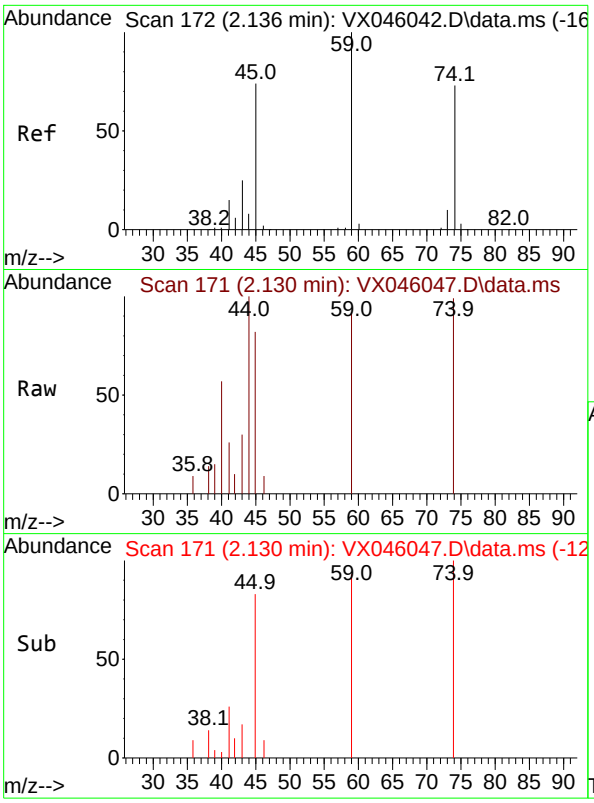



#7
Trichlorofluoromethane
Concen: 0.734 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:101 Resp: 1959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.8 | 51.0 | 76.4 |






#8
Diethyl Ether
Concen: 0.845 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

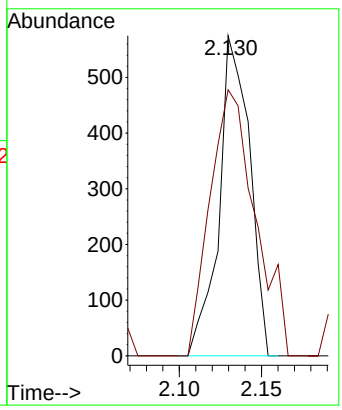
Tgt Ion: 74 Resp: 74

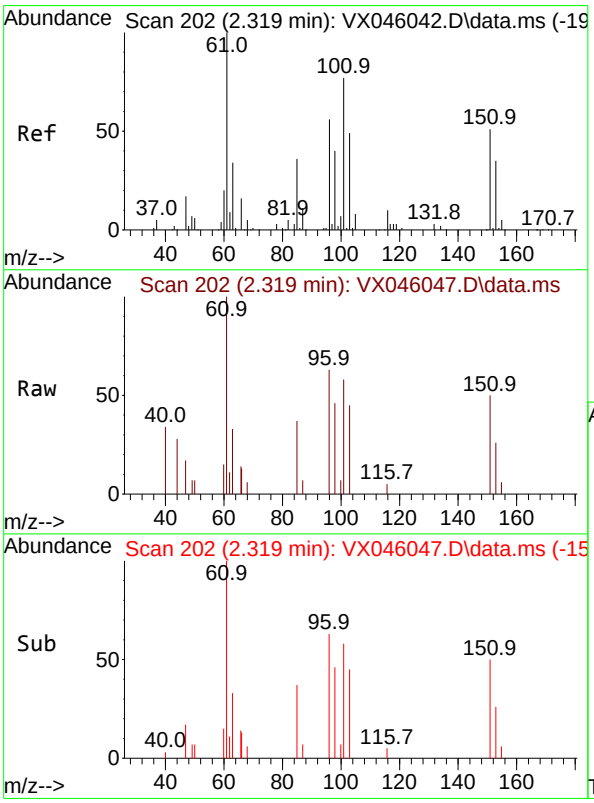
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 123.6 | 54.9 | 164.8 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

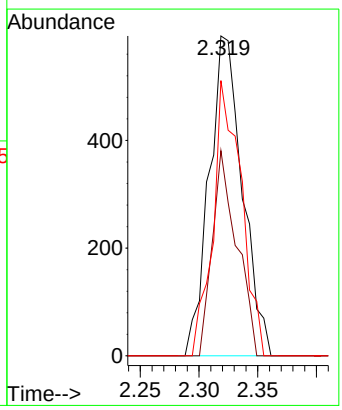


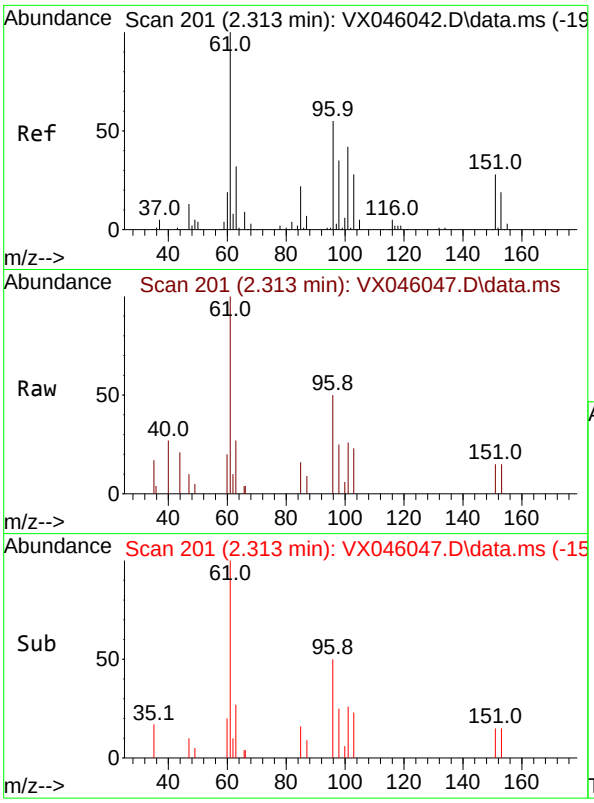




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.731 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:101 Resp: 1166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.3 | 38.6 | 58.0 |
| 151 | 73.1 | 55.2 | 82.8 |

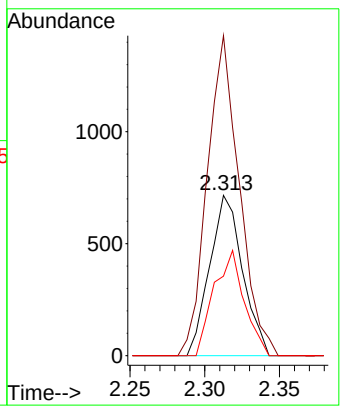





#12
1,1-Dichloroethene
Concen: 0.704 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 96 Resp: 109

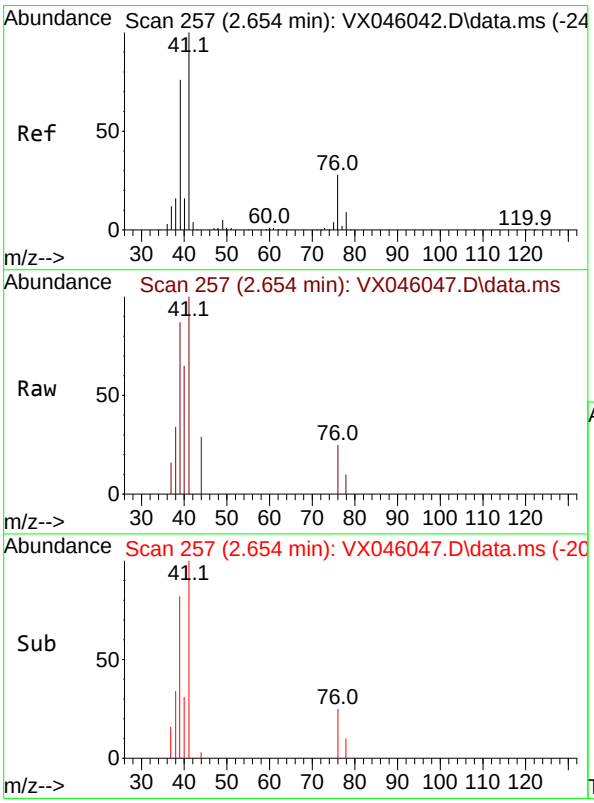
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 199.6 | 146.2 | 219.2 |
| 98 | 49.6 | 51.0 | 76.6# |




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

**Manual Integrations**
**APPROVED**

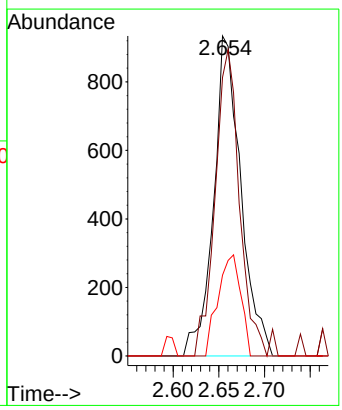
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

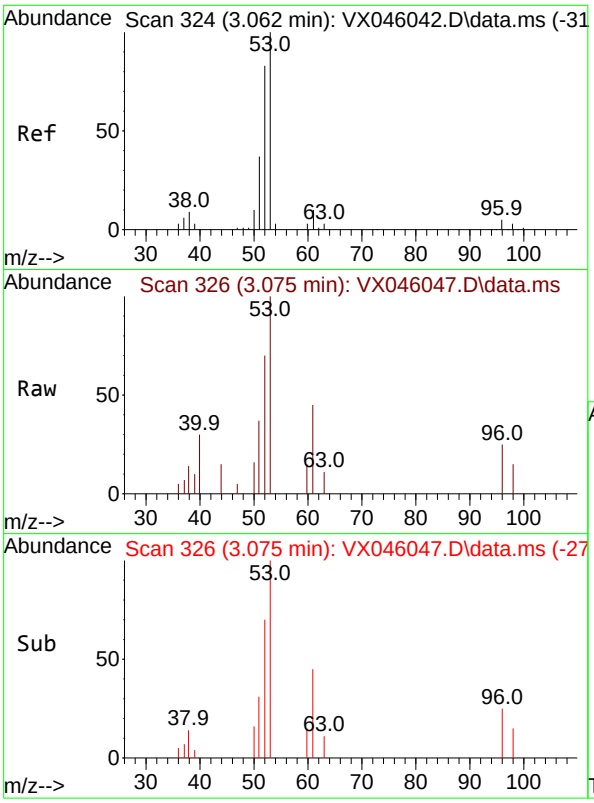



#14
Allyl chloride
Concen: 0.660 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 1936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 85.5 | 60.6 | 90.8 |
| 76 | 26.4 | 24.9 | 37.3 |

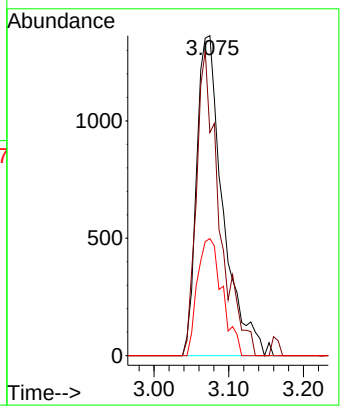





#15
Acrylonitrile
Concen: 3.424 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 53 Resp: 334

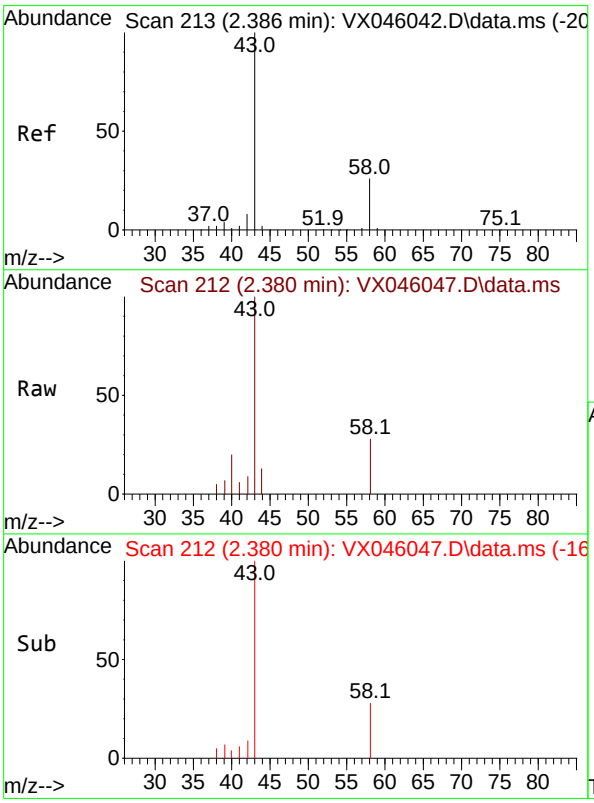
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.9 | 65.3 | 97.9 |
| 51 | 34.4 | 29.8 | 44.8 |




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

**Manual Integrations**
**APPROVED**

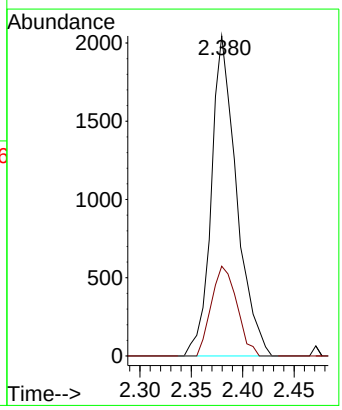
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

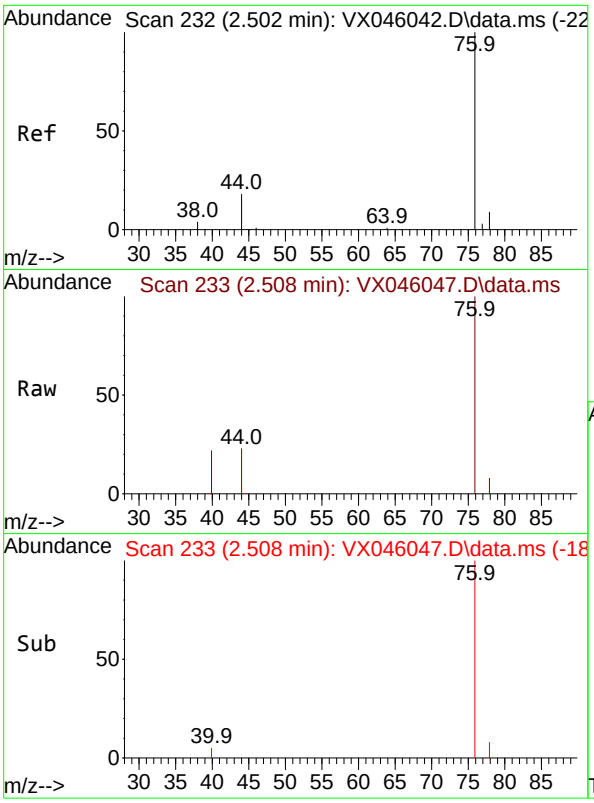



#16
Acetone
Concen: 3.736 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 3500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.1 | 21.2 | 31.8 |

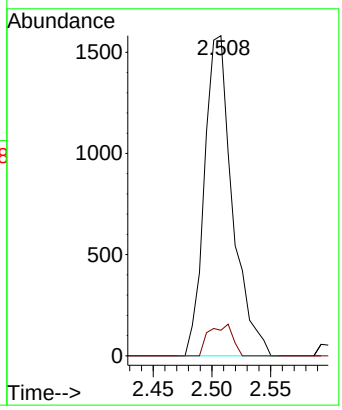





#17
Carbon Disulfide
Concen: 0.728 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 76 Resp: 261

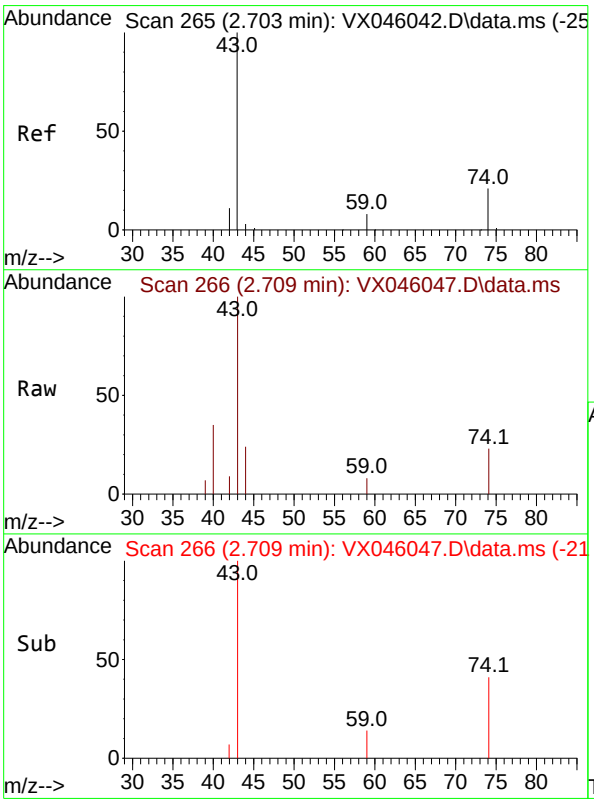
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.0 | 7.0 | 10.4 |




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

**Manual Integrations**
**APPROVED**

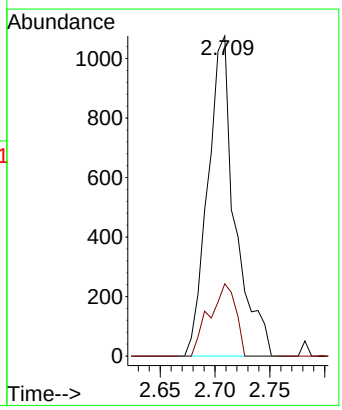
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

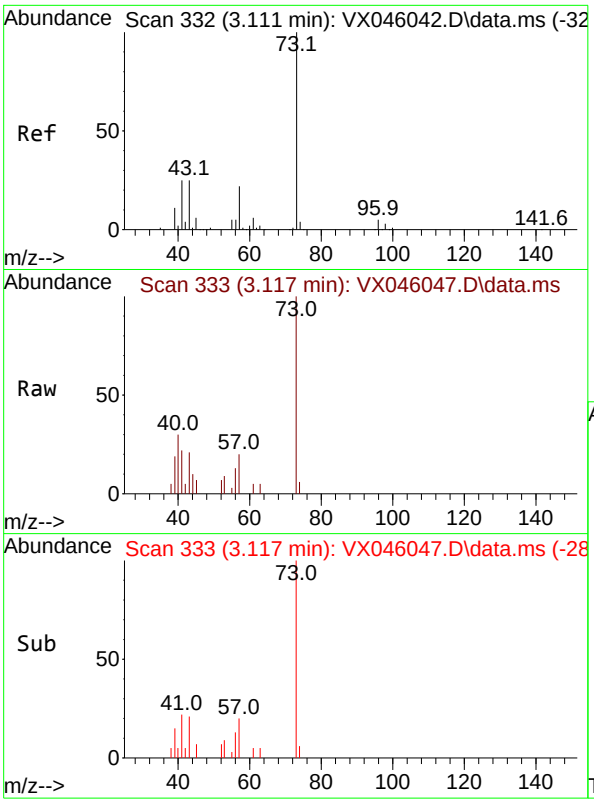



#18
Methyl Acetate
Concen: 0.828 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.0 | 16.7 | 25.1 |






#19
Methyl tert-butyl Ether
Concen: 0.662 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

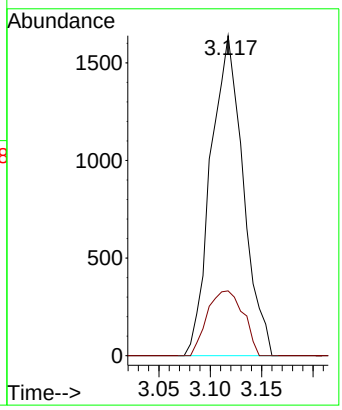
Tgt Ion: 73 Resp: 358

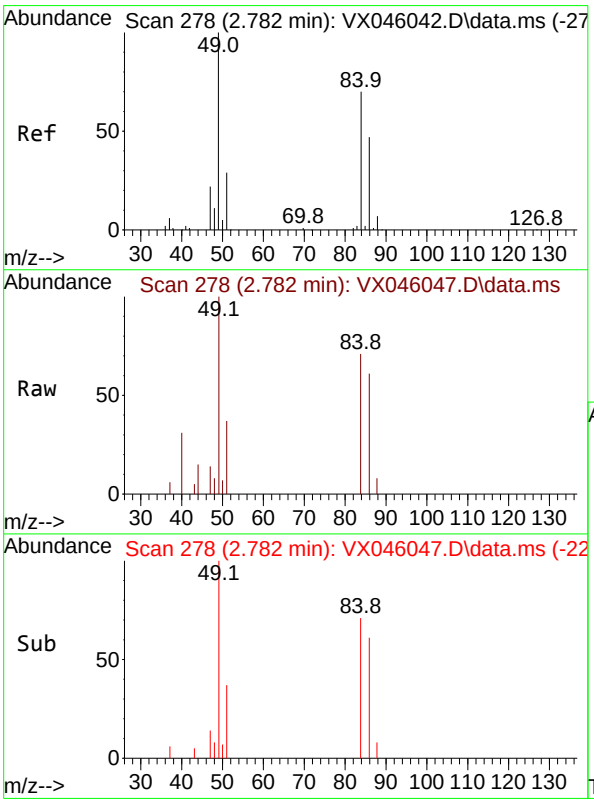
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.3 | 17.7 | 26.5 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

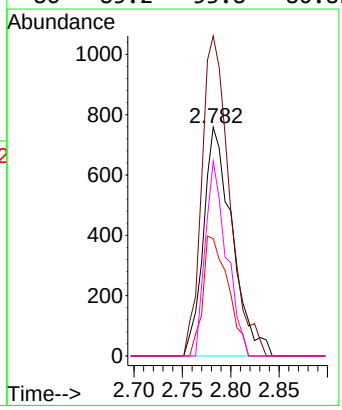


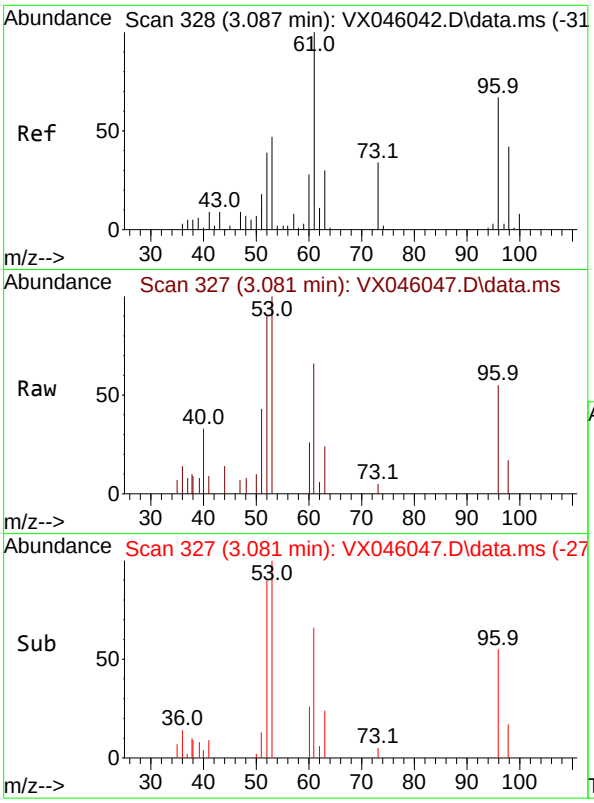




#20
Methylene Chloride
Concen: 0.828 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 84 Resp: 1571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 140.0 | 113.9 | 170.9 |
| 51 | 51.3 | 33.5 | 50.3# |
| 86 | 85.2 | 53.8 | 80.8# |

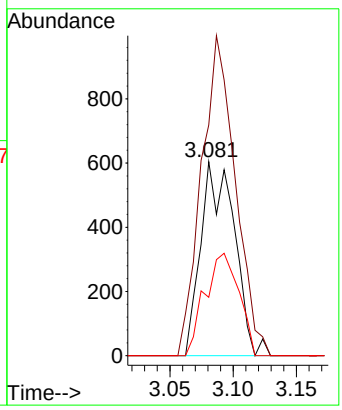





#21
trans-1,2-Dichloroethene
Concen: 0.701 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 96 Resp: 111

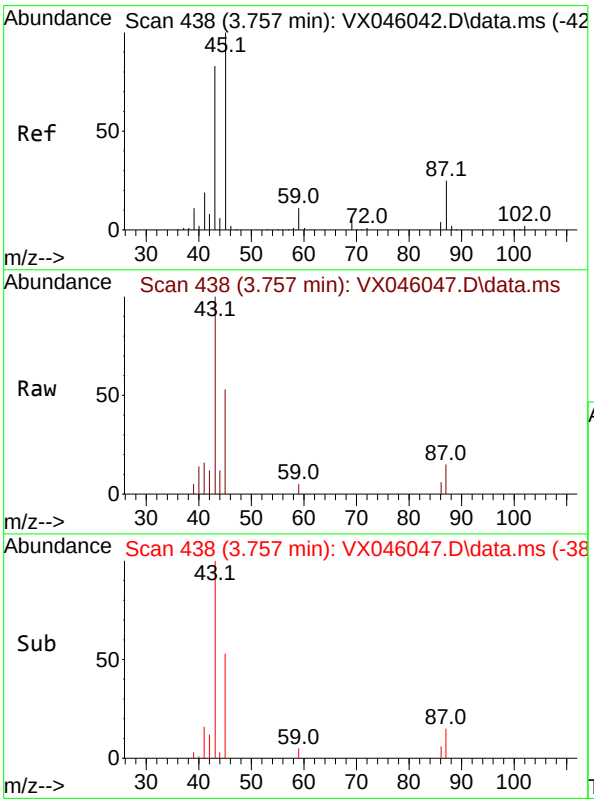
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 119.0 | 119.5 | 179.3# |
| 98 | 30.1 | 50.0 | 75.0# |




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

**Manual Integrations**
**APPROVED**

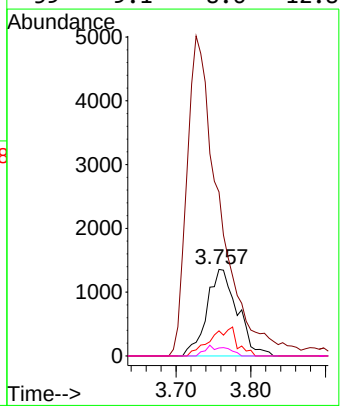
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

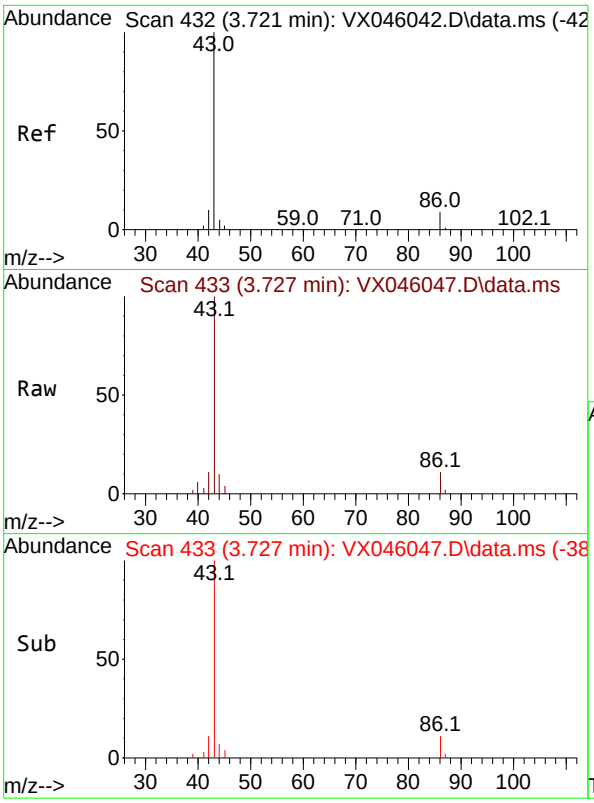



#22
Diisopropyl ether
Concen: 0.703 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 45 Resp: 3857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 176.2 | 66.6 | 100.0# |
| 87 | 28.9 | 19.8 | 29.6 |
| 59 | 9.1 | 8.6 | 12.8 |






#23
Vinyl Acetate
Concen: 3.154 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

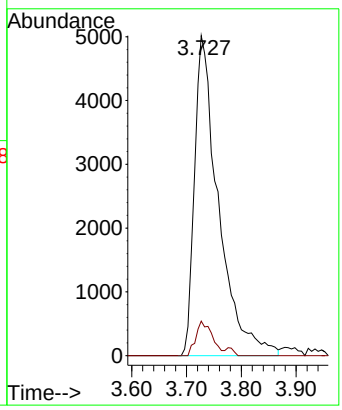
Tgt Ion: 43 Resp: 1528

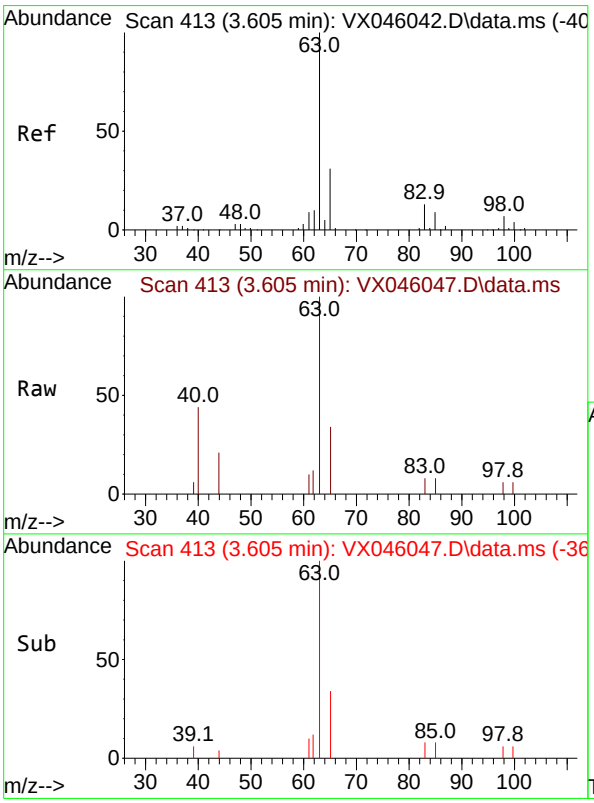
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 7.5 | 11.3 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

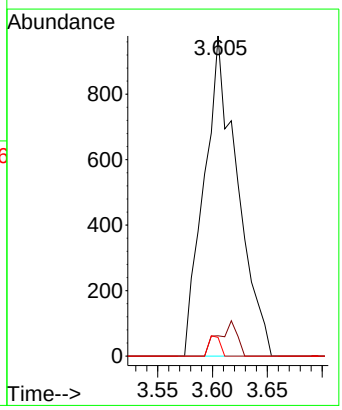


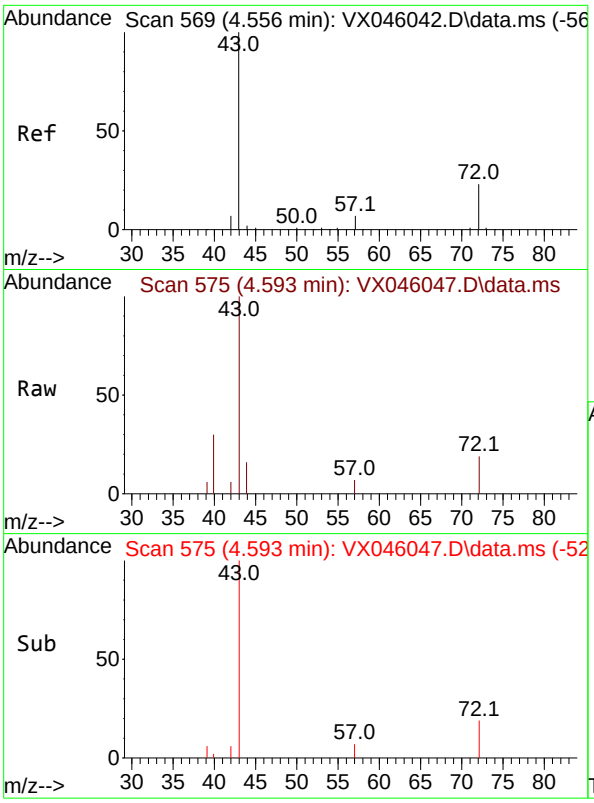




#24
1,1-Dichloroethane
Concen: 0.637 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 2054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.3 | 3.6 | 10.8 |
| 100 | 5.8 | 2.1 | 6.3 |

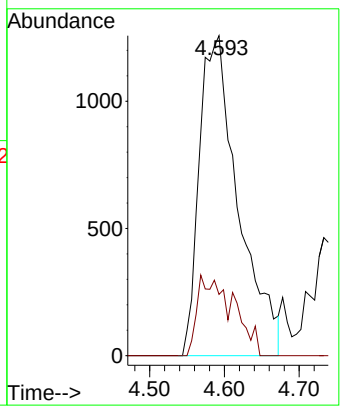





#25
2-Butanone
Concen: 3.371 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.037 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 455

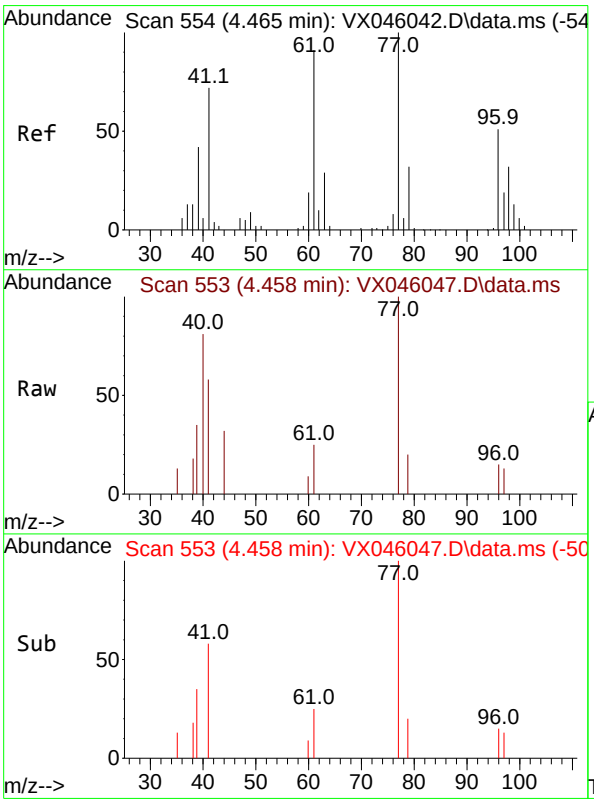
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 19.2 | 18.4 | 27.6 |




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

**Manual Integrations**
**APPROVED**

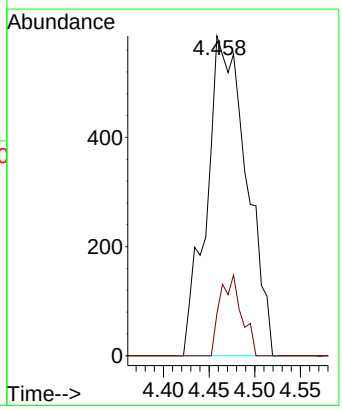
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

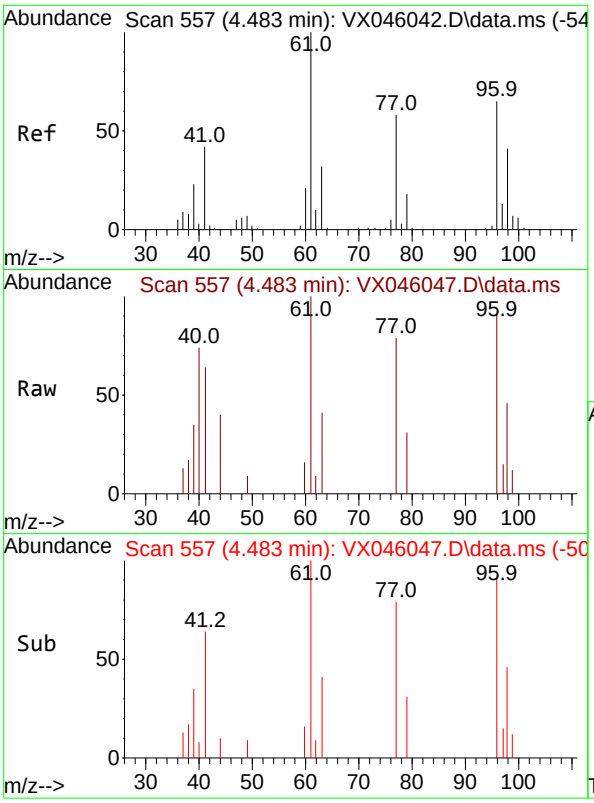



#26
2,2-Dichloropropane
Concen: 0.728 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 77 Resp: 1777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 13.7 | 10.5 | 31.5 |






#27
cis-1,2-Dichloroethene
Concen: 0.693 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

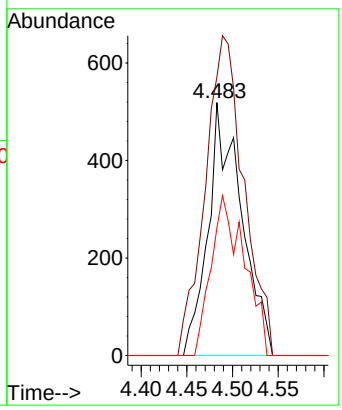
Tgt Ion: 96 Resp: 132

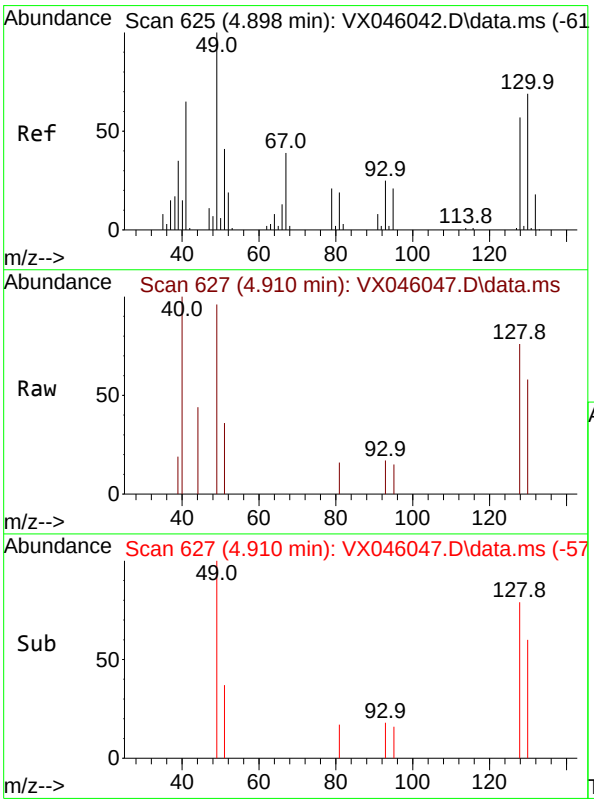
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.5 | 0.0 | 322.8 |
| 98 | 63.1 | 0.0 | 129.0 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

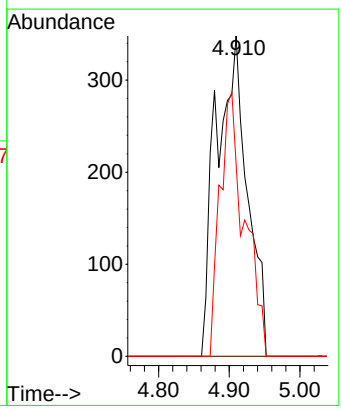


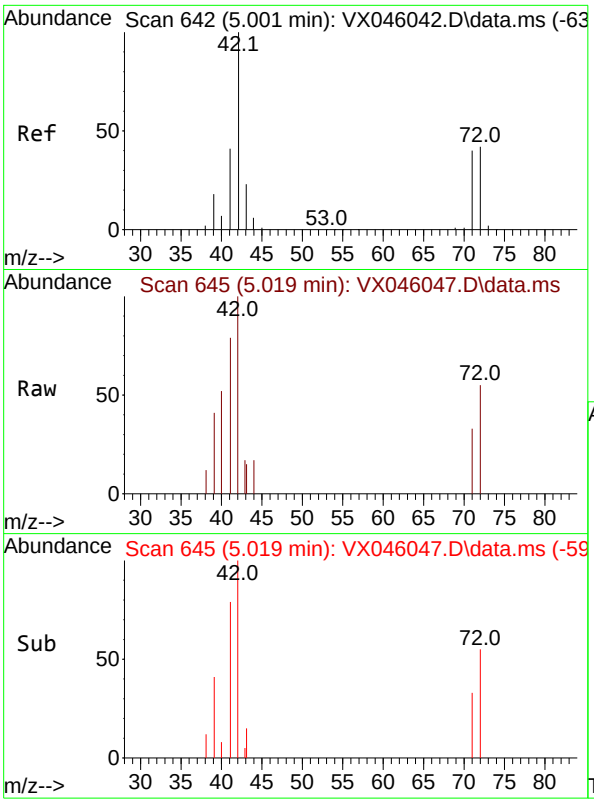




#28
Bromochloromethane
Concen: 0.619 ug/l m
RT: 4.910 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 49 Resp: 1061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.0 |
| 130 | 65.3 | 56.2 | 84.2 |

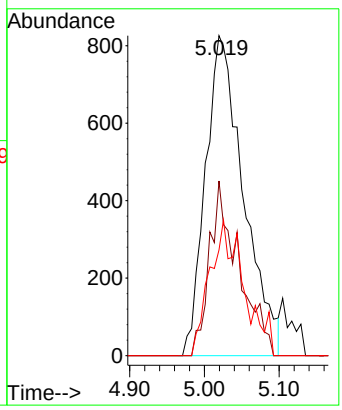





#29
Tetrahydrofuran
Concen: 3.338 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 42 Resp: 293

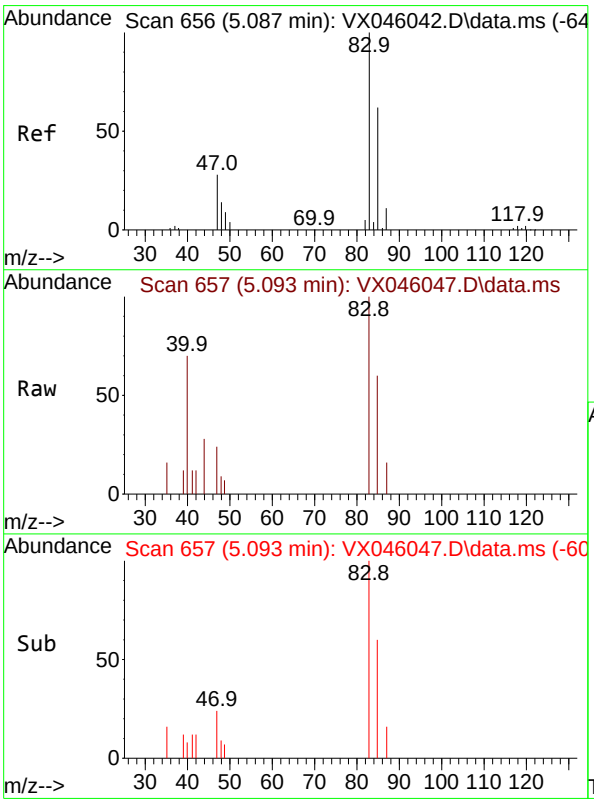
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.9 | 33.7 | 50.5 |
| 71 | 37.7 | 31.4 | 47.2 |




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

**Manual Integrations**
**APPROVED**

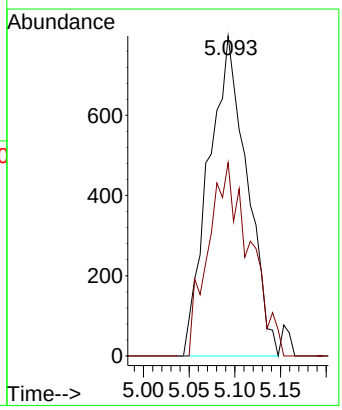
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

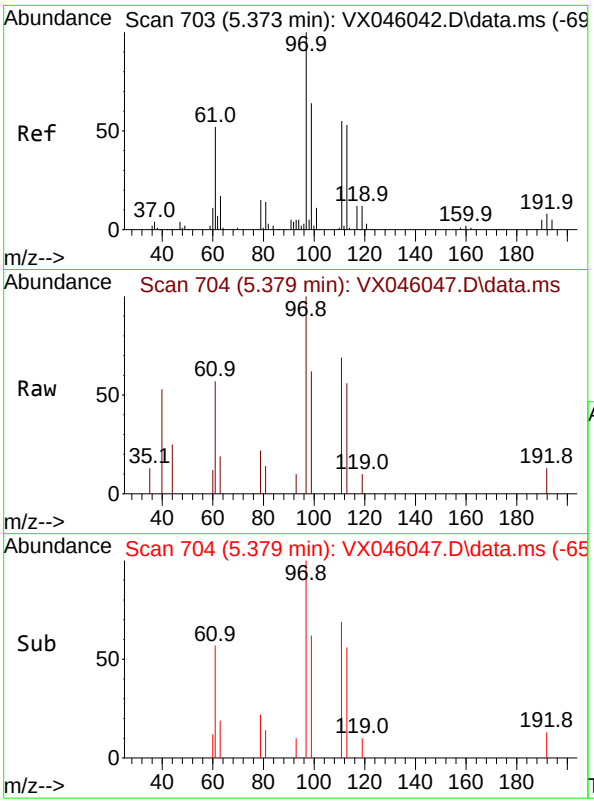



#30
Chloroform
Concen: 0.695 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 2328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.4 | 49.3 | 73.9 |

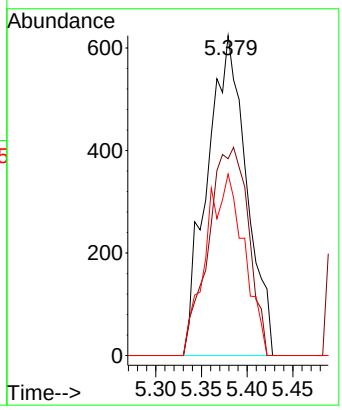





#32
1,1,1-Trichloroethane
Concen: 0.647 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 97 Resp: 186

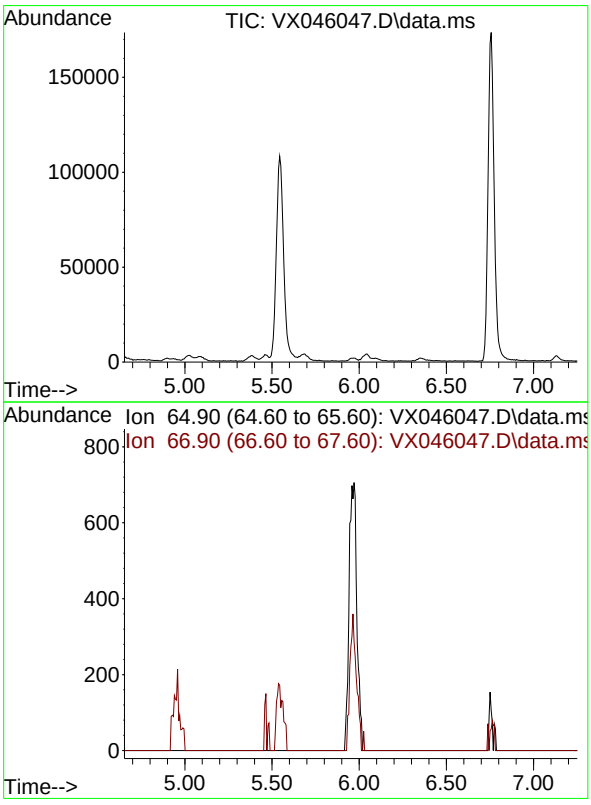
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 51.8 | 77.6 |
| 61 | 55.0 | 40.1 | 60.1 |




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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

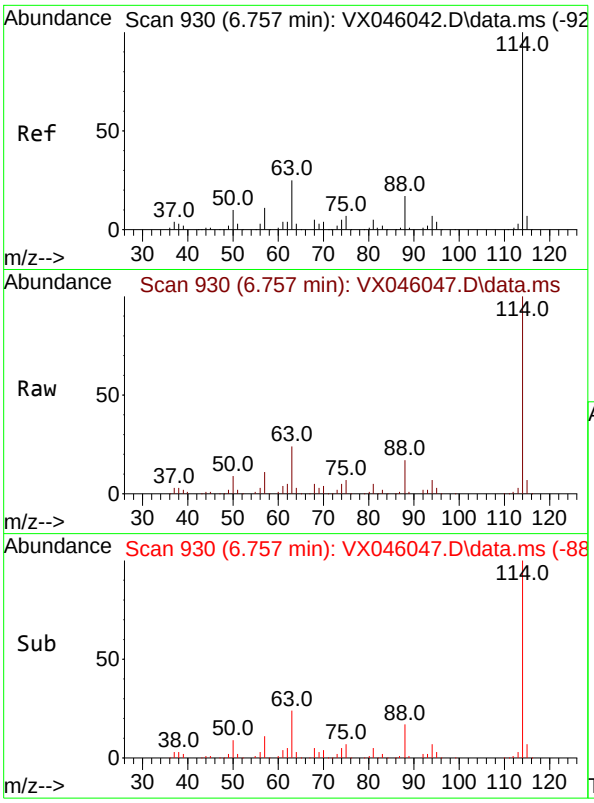



#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 65

| Sig | Exp Ratio |
|---|---|
| 65 | 100 |
| 67 | 49.5 |




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

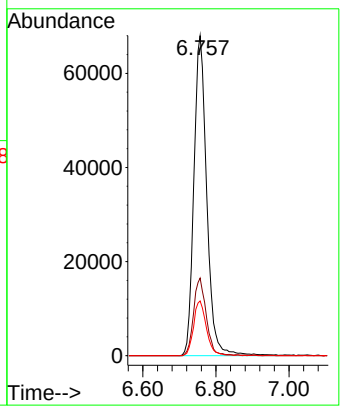
Tgt Ion:114 Resp: 16702

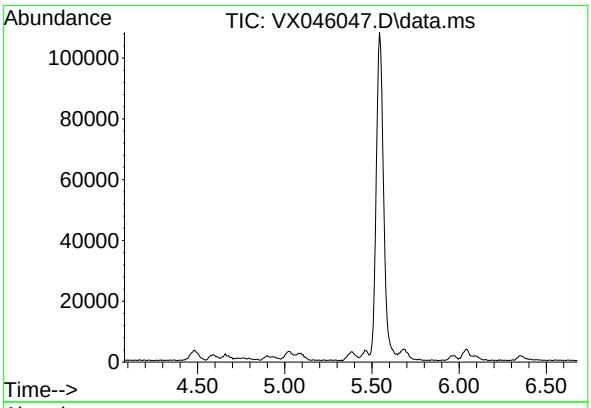
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.2 | 0.0 | 49.2 |
| 88 | 17.1 | 0.0 | 33.6 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



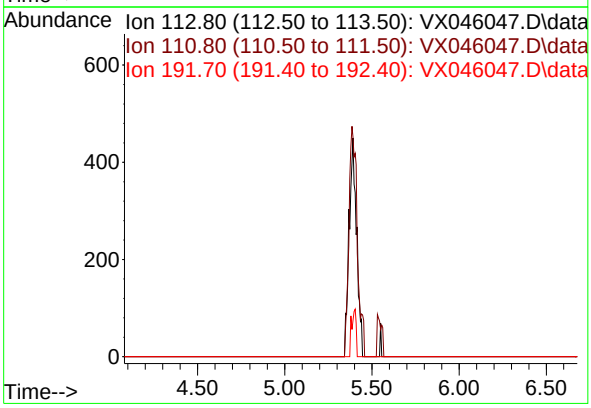



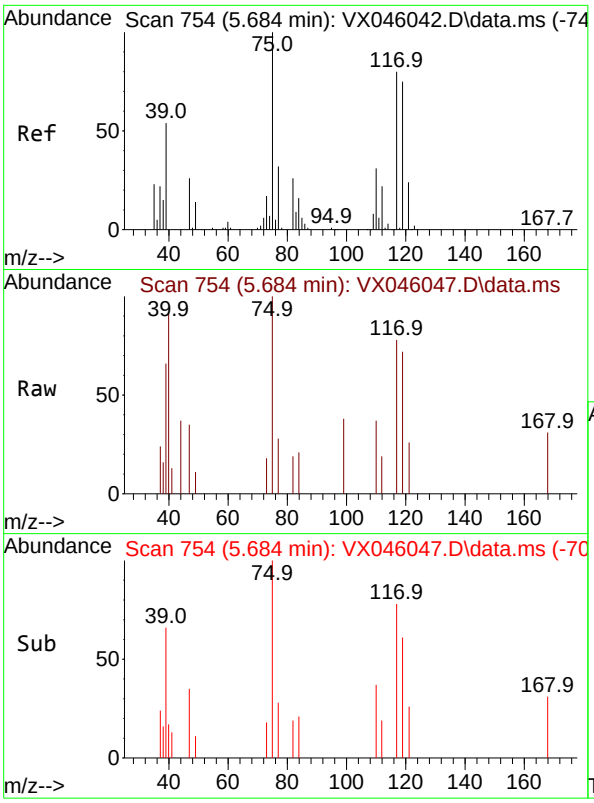

#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 113

| Sig | Exp Ratio |
|---|---|
| 113 | 100 |
| 111 | 103.9 |
| 192 | 16.6 |

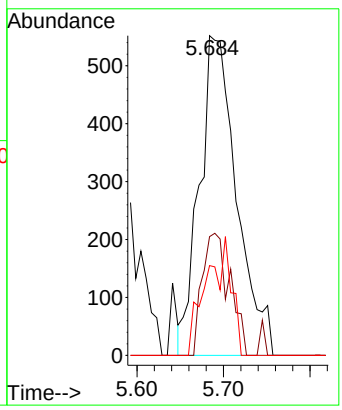





#36
1,1-Dichloropropene
Concen: 0.758 ug/l
RT: 5.684 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 164

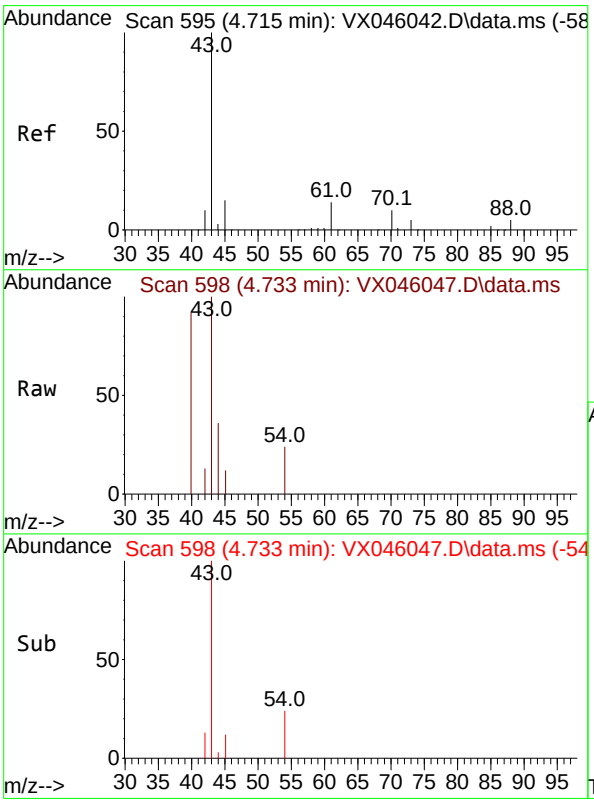
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 28.2 | 16.3 | 48.9 |
| 77 | 15.8 | 24.3 | 36.5# |




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

**Manual Integrations**
**APPROVED**

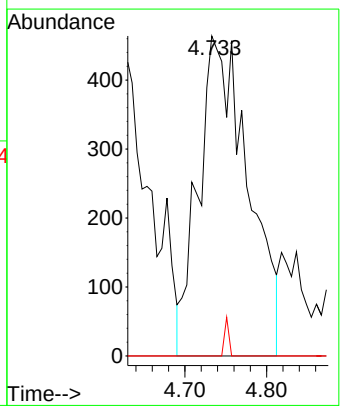
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

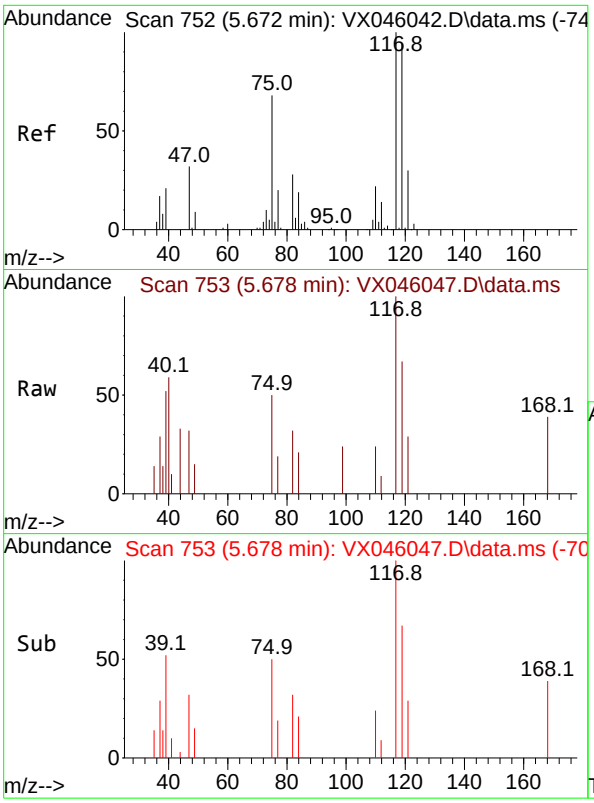



#37
Ethyl Acetate
Concen: 0.717 ug/l m
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 10.3 | 15.5# |
| 70 | 1.0 | 7.9 | 11.9# |

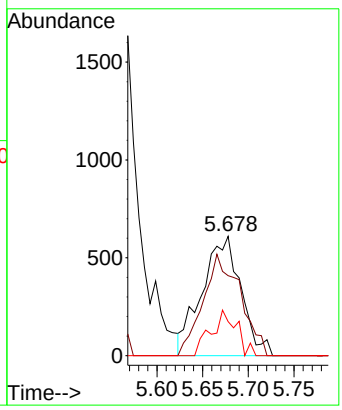





#38
Carbon Tetrachloride
Concen: 0.724 ug/l
RT: 5.678 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 180

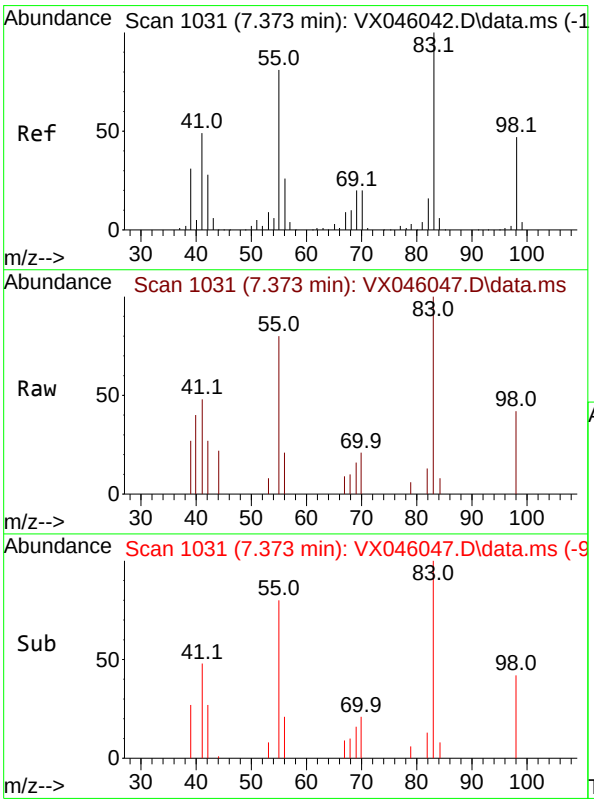
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 67.0 | 75.2 | 112.8# |
| 121 | 28.5 | 24.2 | 36.4 |




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

**Manual Integrations**
**APPROVED**

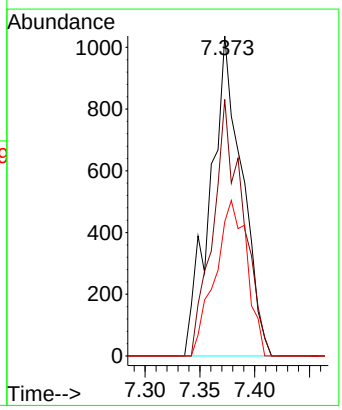
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

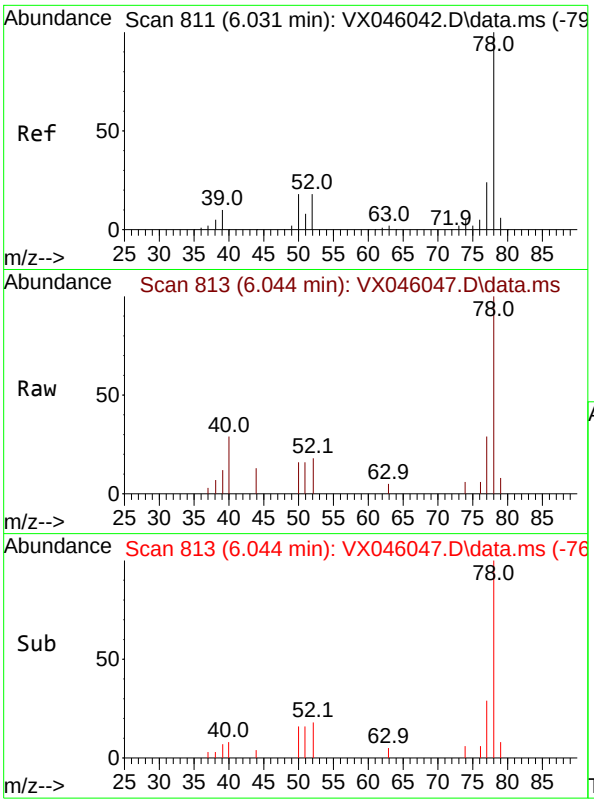



#39
Methylcyclohexane
Concen: 0.770 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 2096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.1 | 64.7 | 97.1 |
| 98 | 41.9 | 37.4 | 56.2 |






#40
Benzene
Concen: 0.668 ug/l
RT: 6.044 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

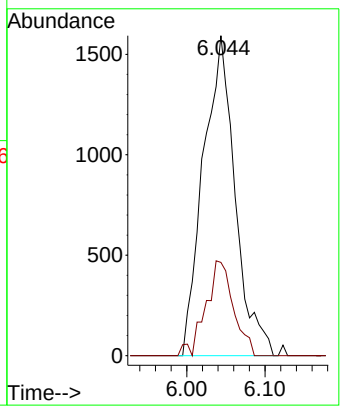
Tgt Ion: 78 Resp: 450

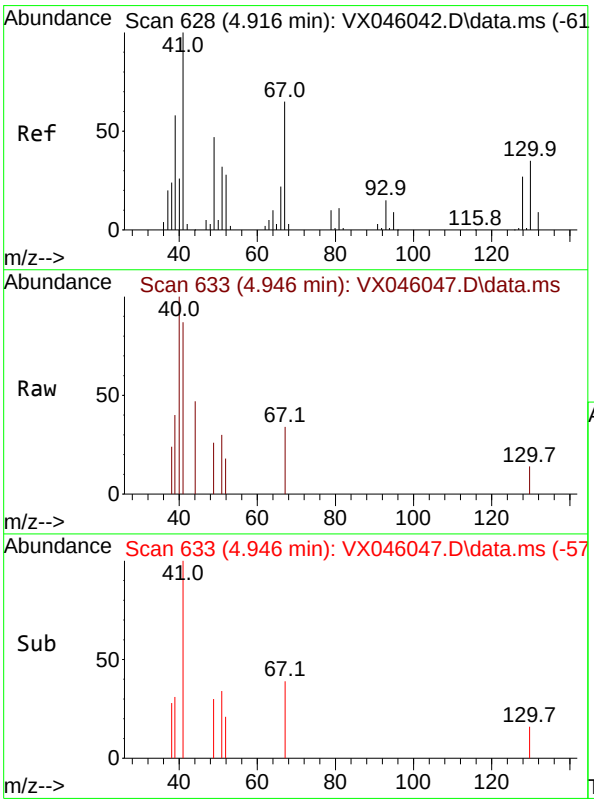
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 29.1 | 19.0 | 28.4# |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

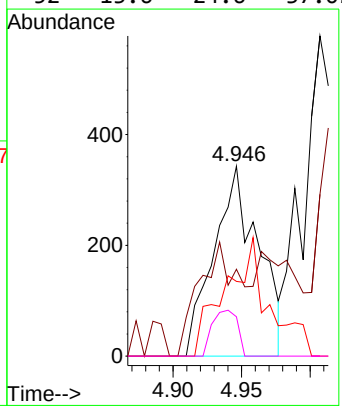


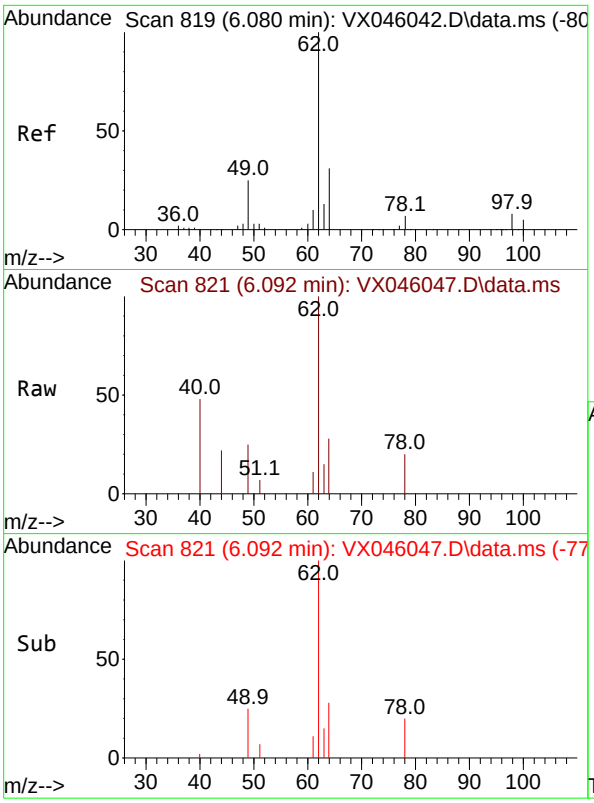




#41
Methacrylonitrile
Concen: 0.513 ug/l
RT: 4.946 min Scan# 633
Delta R.T. 0.030 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 51.7 | 47.2 | 70.8 |
| 67 | 0.0 | 50.7 | 76.1# |
| 52 | 13.6 | 24.6 | 37.0# |






#42
1,2-Dichloroethane
Concen: 0.694 ug/l
RT: 6.092 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

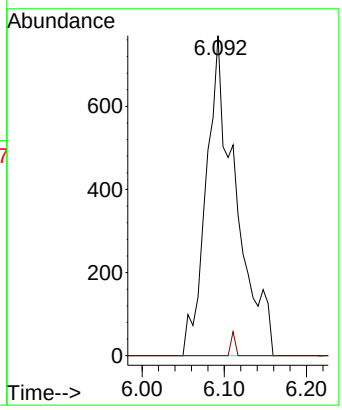
Tgt Ion: 62 Resp: 193

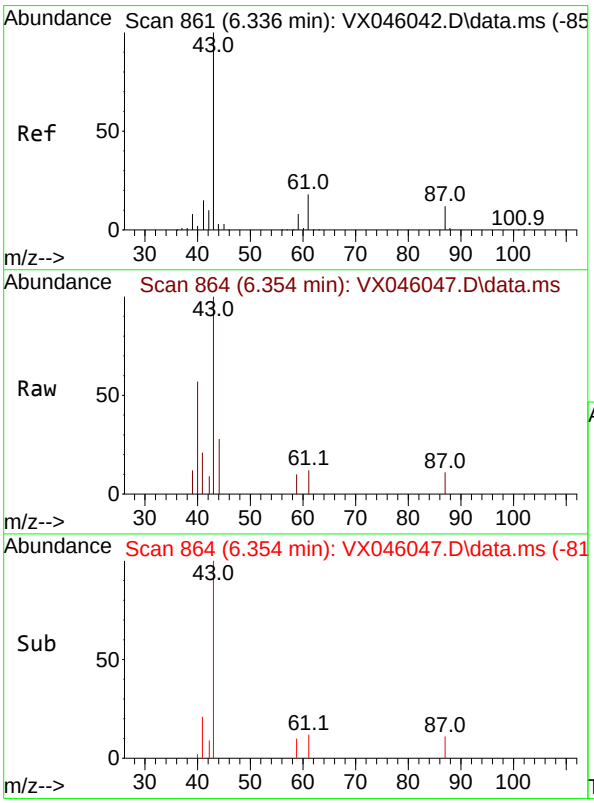
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 1.1 | 0.0 | 15.2 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

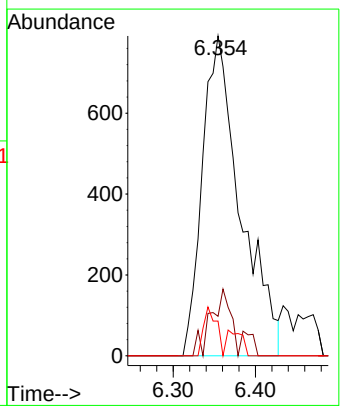


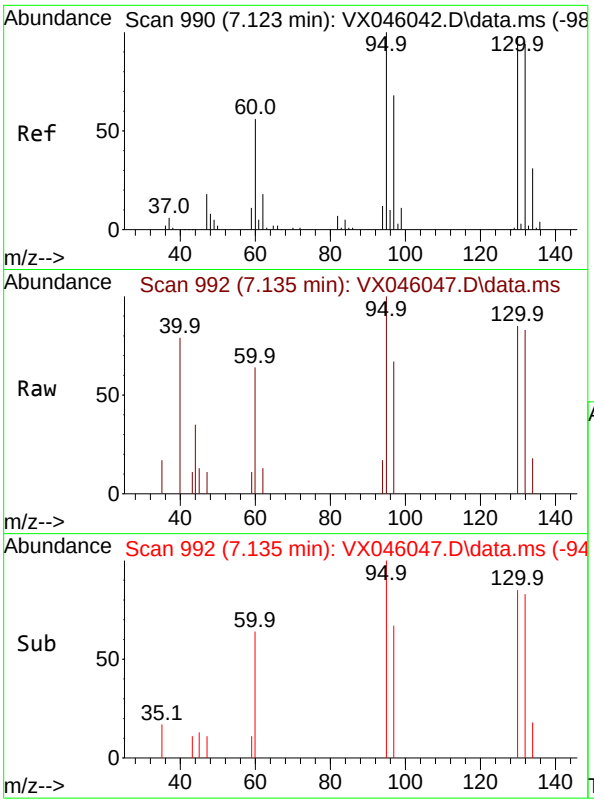




#43
Isopropyl Acetate
Concen: 0.612 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 2553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 10.7 | 14.3 | 21.5# |
| 87 | 3.2 | 9.5 | 14.3# |






#44
Trichloroethene
Concen: 0.680 ug/l
RT: 7.135 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

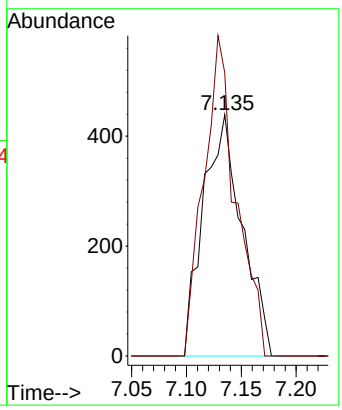
Tgt Ion:130 Resp: 108

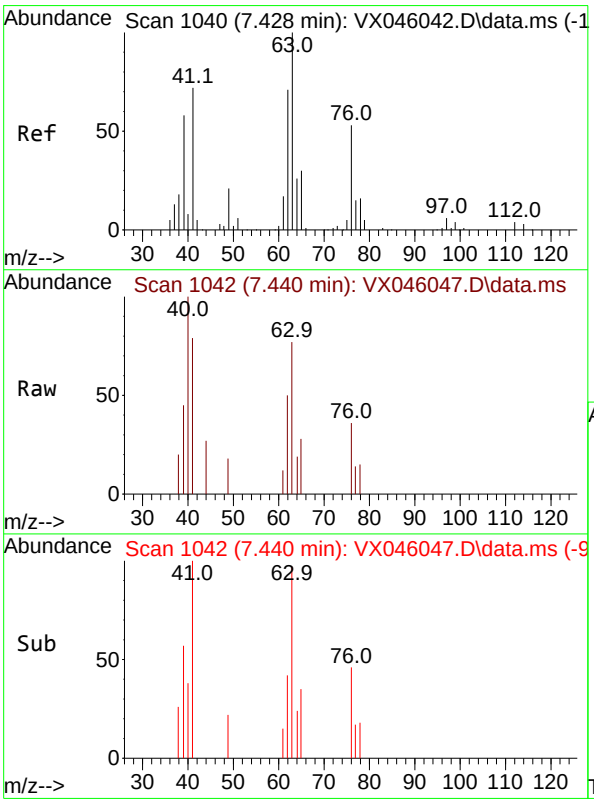
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 117.3 | 0.0 | 204.2 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

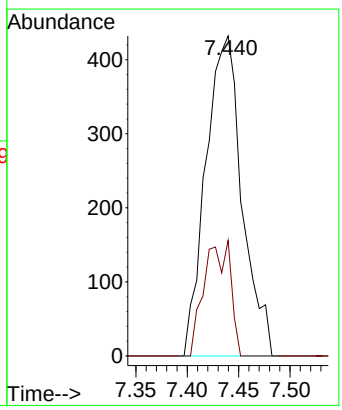


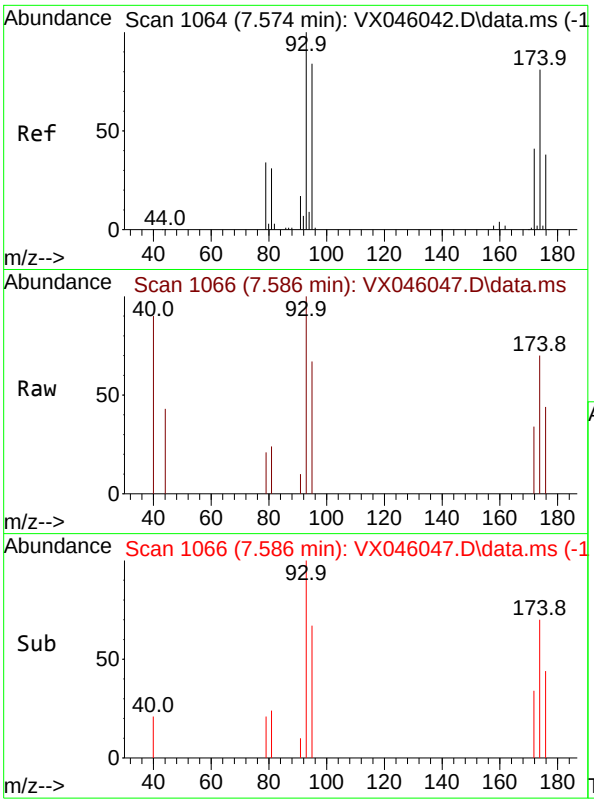




#45
1,2-Dichloropropane
Concen: 0.633 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 1059

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

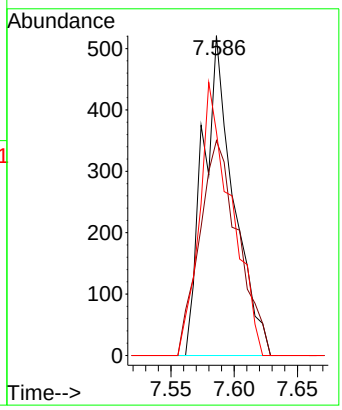





#46
Dibromomethane
Concen: 0.667 ug/l
RT: 7.586 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 93 Resp: 88

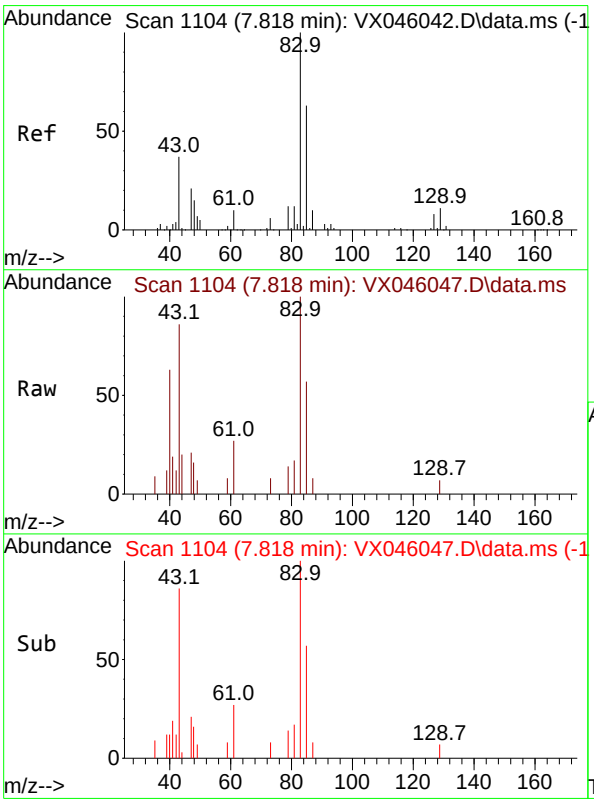
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.5 | 65.6 | 98.4 |
| 174 | 88.5 | 68.2 | 102.2 |




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

**Manual Integrations**
**APPROVED**

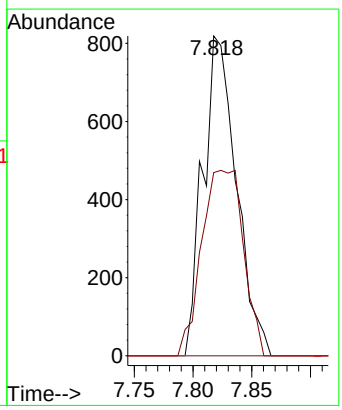
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

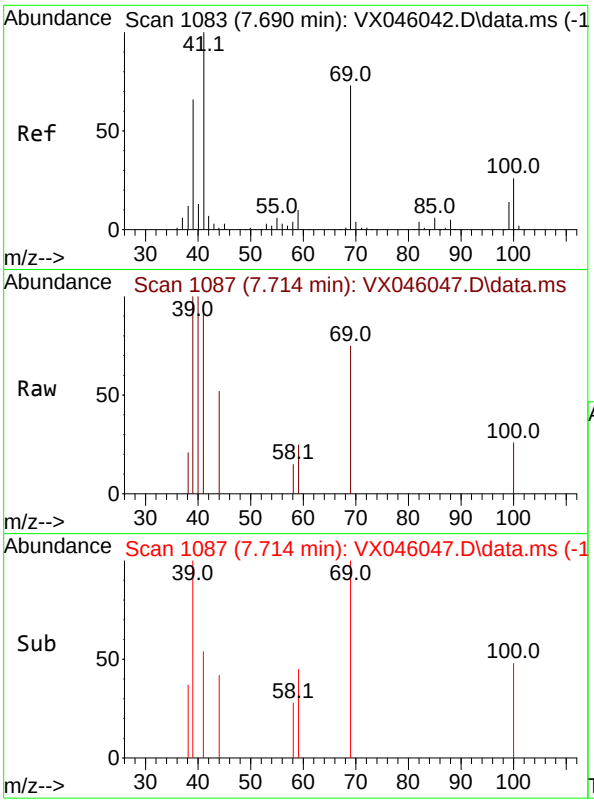



#47
Bromodichloromethane
Concen: 0.633 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 1620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 57.3 | 50.5 | 75.7 |
| 127 | 0.0 | 6.5 | 9.7# |

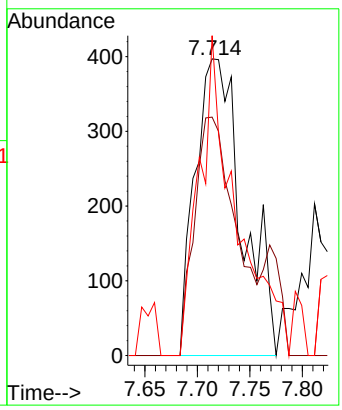





#48
Methyl methacrylate
Concen: 0.577 ug/l m
RT: 7.714 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 123

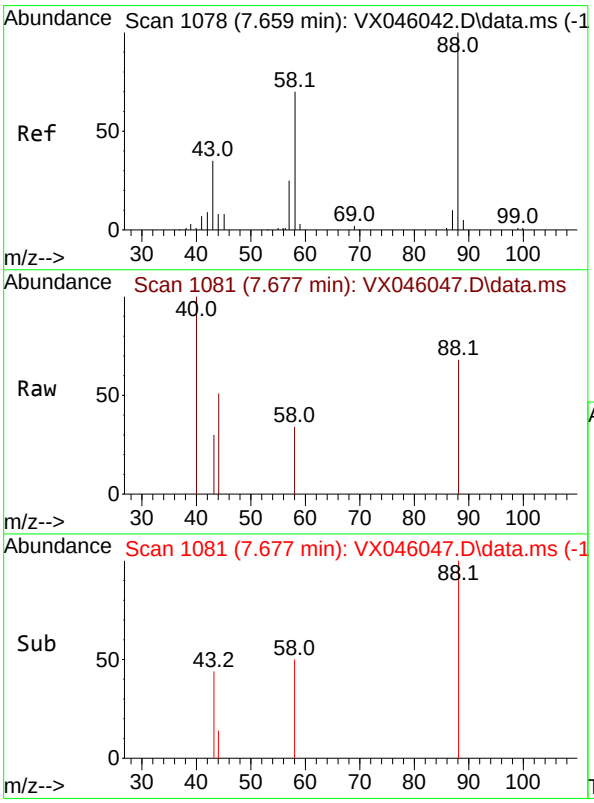
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 70.6 | 58.5 | 87.7 |
| 39 | 84.8 | 51.7 | 77.5# |




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

**Manual Integrations**
**APPROVED**

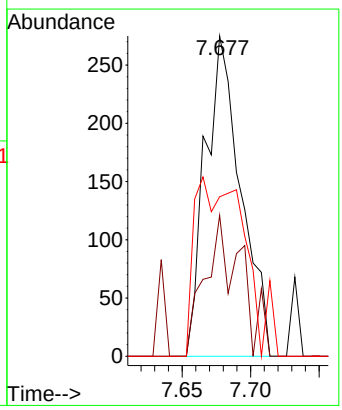
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

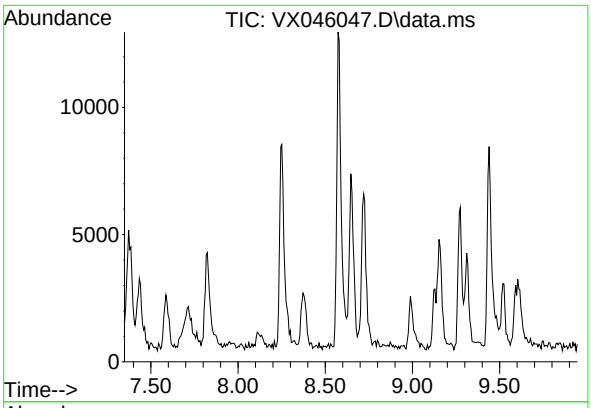



#49
1,4-Dioxane
Concen: 11.703 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 88 Resp: 498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 44.4 | 33.4 | 50.2 |
| 58 | 30.3 | 58.6 | 88.0# |






#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

Lab File: VX046047.D
Acq: 05 May 2025 16:27

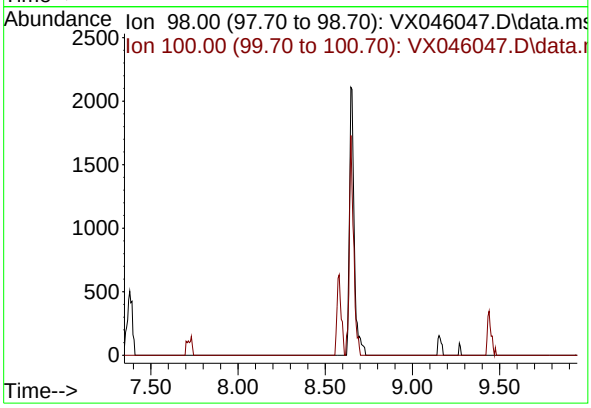
Tgt Ion: 98

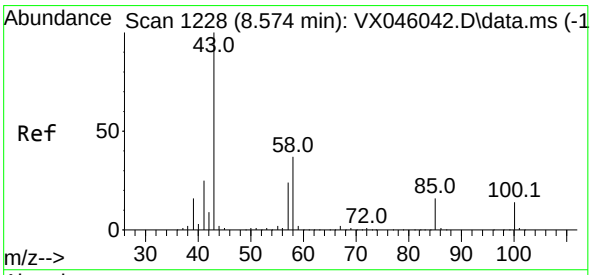
| Sig | Exp Ratio |
|---|---|
| 98 | 100 |
| 100 | 66.9 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

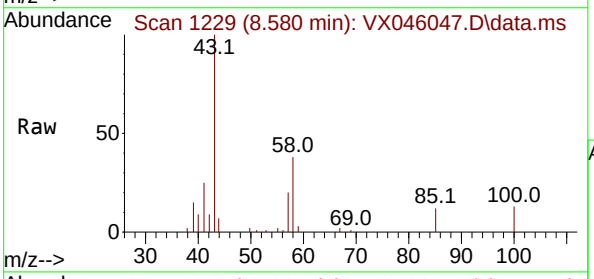


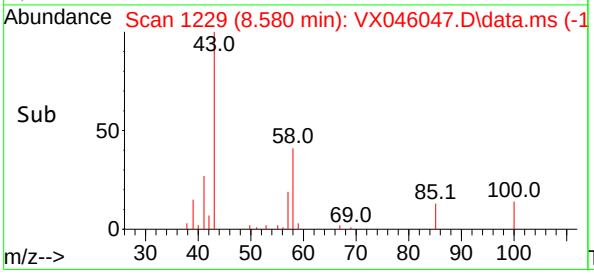



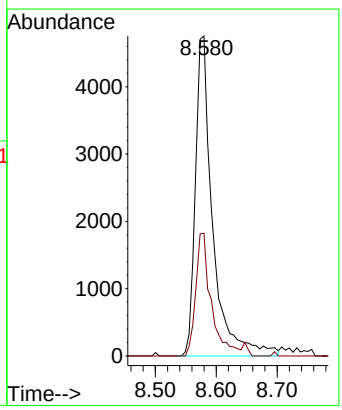

#51
4-Methyl-2-Pentanone
Concen: 3.430 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

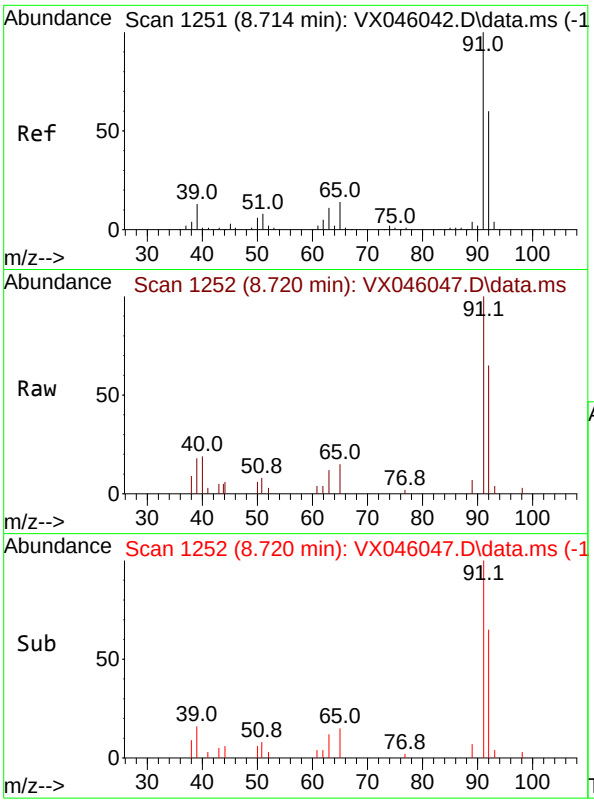
Tgt Ion: 43 Resp: 9378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.4 | 28.9 | 43.3 |



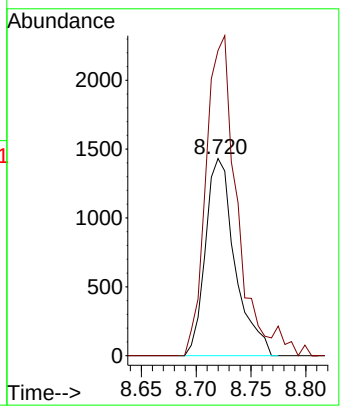






#52
Toluene
Concen: 0.672 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 92 Resp: 268

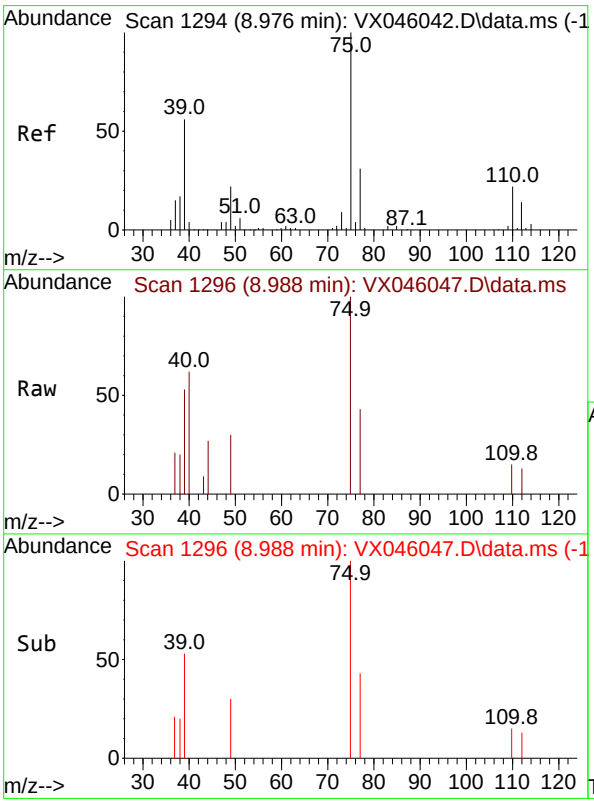
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 165.7 | 136.6 | 205.0 |




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

**Manual Integrations**
**APPROVED**

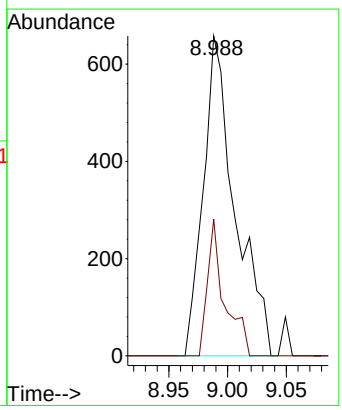
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

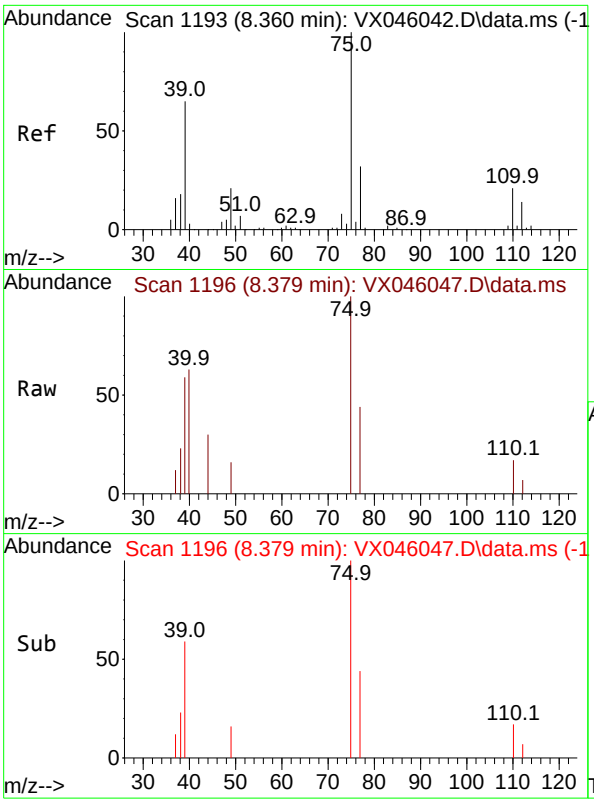



#53
t-1,3-Dichloropropene
Concen: 0.576 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 1238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.7 | 25.0 | 37.6# |

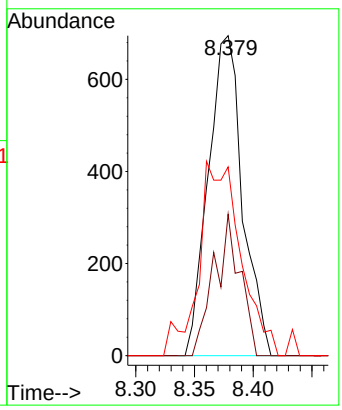





#54
cis-1,3-Dichloropropene
Concen: 0.564 ug/l
RT: 8.379 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 141

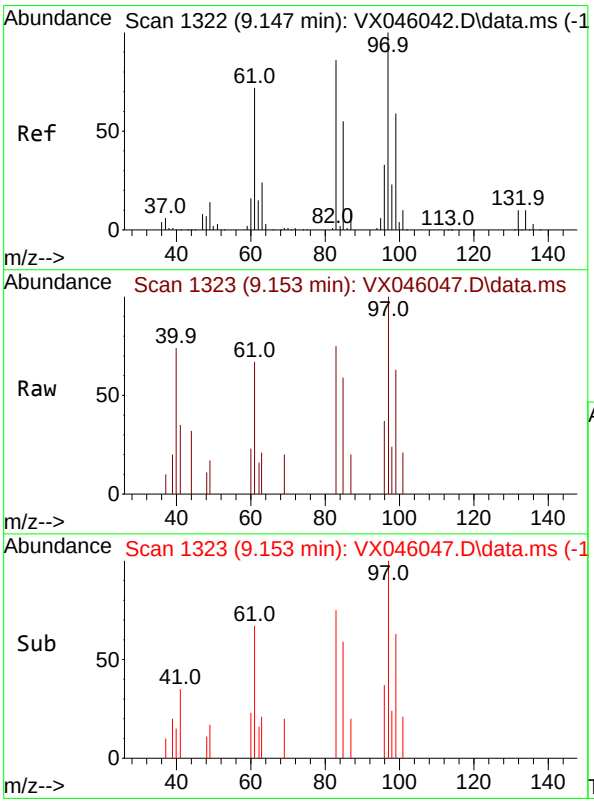
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 44.2 | 25.4 | 38.0 |
| 39 | 59.0 | 52.2 | 78.4 |




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

**Manual Integrations**
**APPROVED**

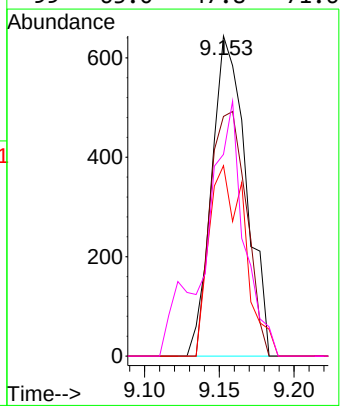
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

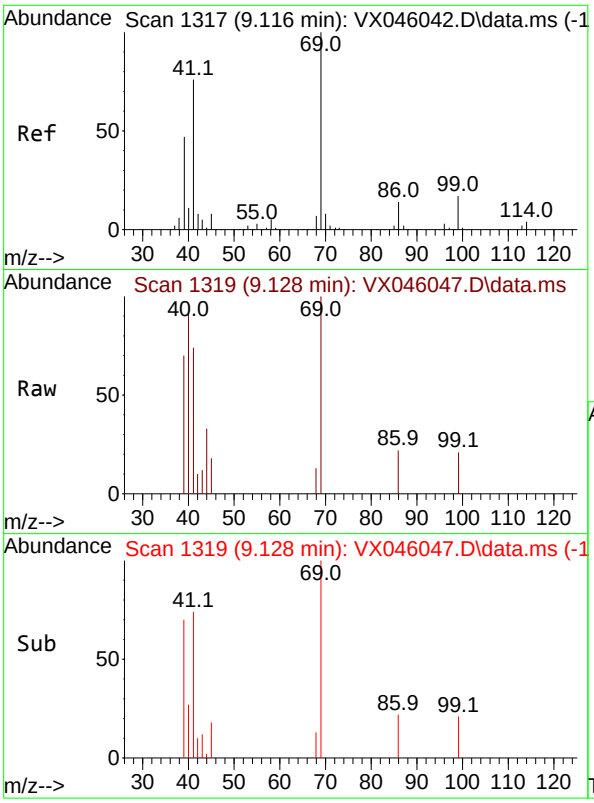



#55
1,1,2-Trichloroethane
Concen: 0.637 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 97 Resp: 1029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 74.8 | 69.0 | 103.6 |
| 85 | 59.5 | 44.3 | 66.5 |
| 99 | 63.0 | 47.8 | 71.6 |






#56
Ethyl methacrylate
Concen: 0.504 ug/l
RT: 9.128 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

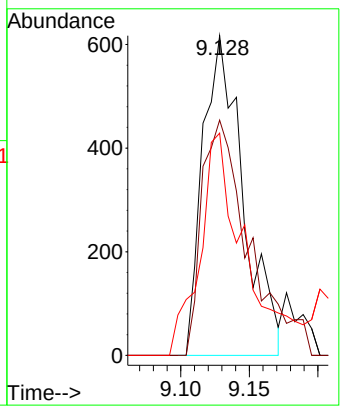
Tgt Ion: 69 Resp: 126

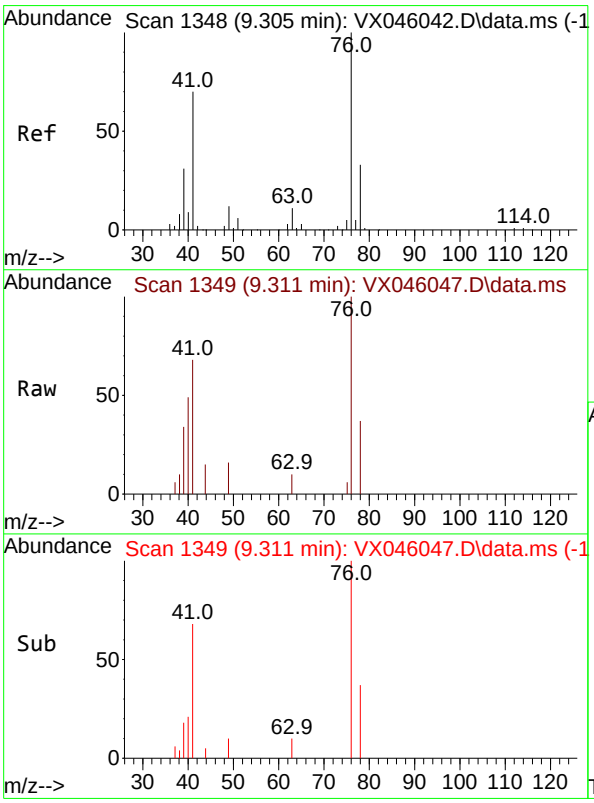
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 86.6 | 60.8 | 91.2 |
| 39 | 78.0 | 39.0 | 58.6# |

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

**Manual Integrations**
**APPROVED**

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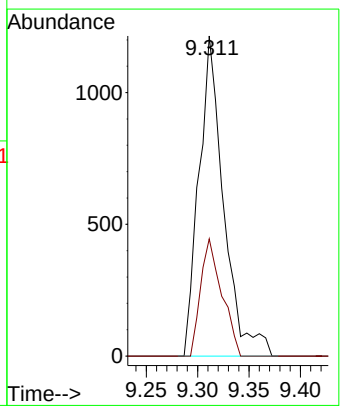


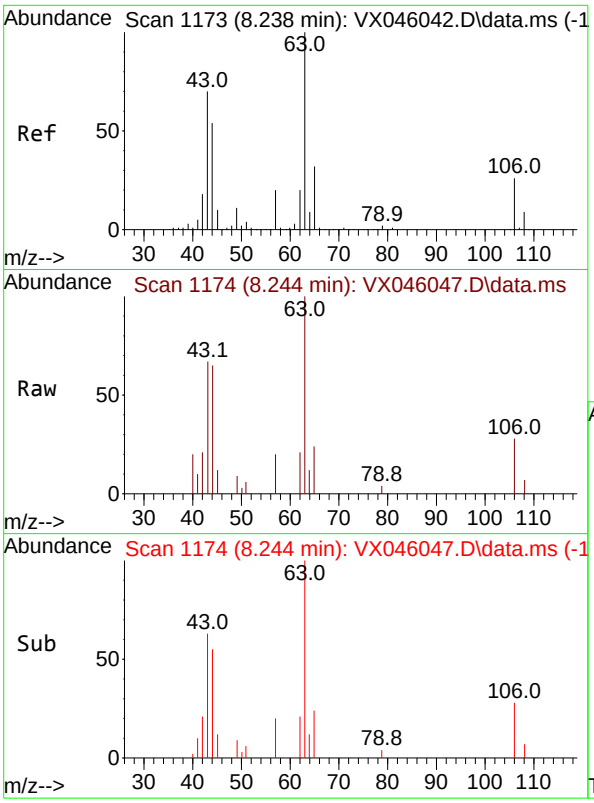




#57
1,3-Dichloropropane
Concen: 0.711 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 76 Resp: 2036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.4 | 26.3 | 39.5 |






#58
2-Chloroethyl Vinyl ether
Concen: 3.420 ug/l
RT: 8.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

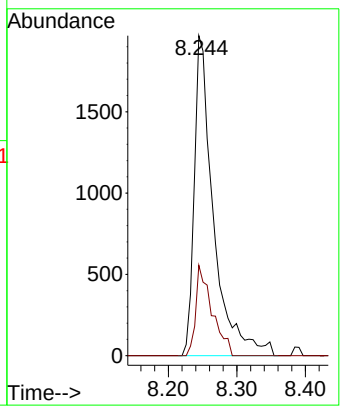
Tgt Ion: 63 Resp: 384

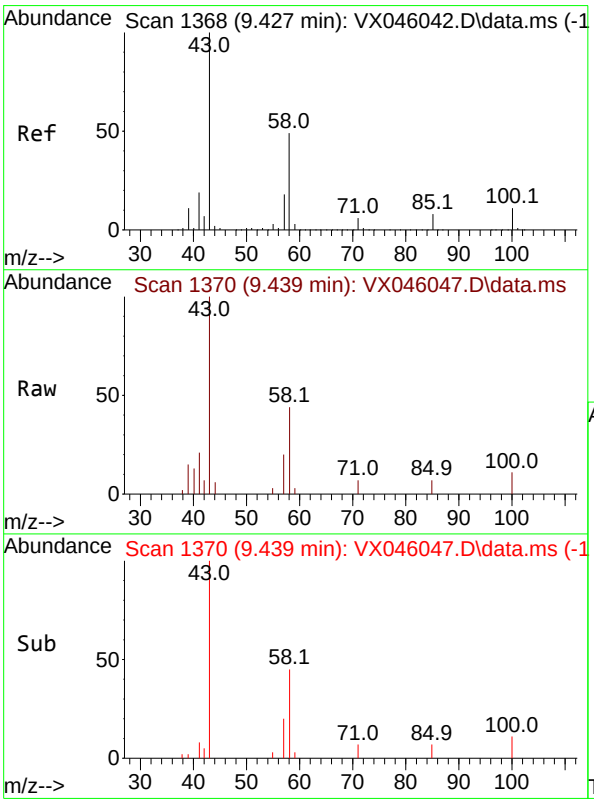
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 24.0 | 21.5 | 32.3 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
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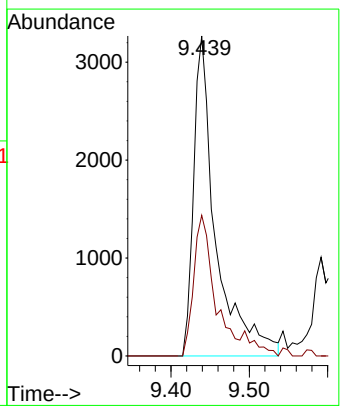


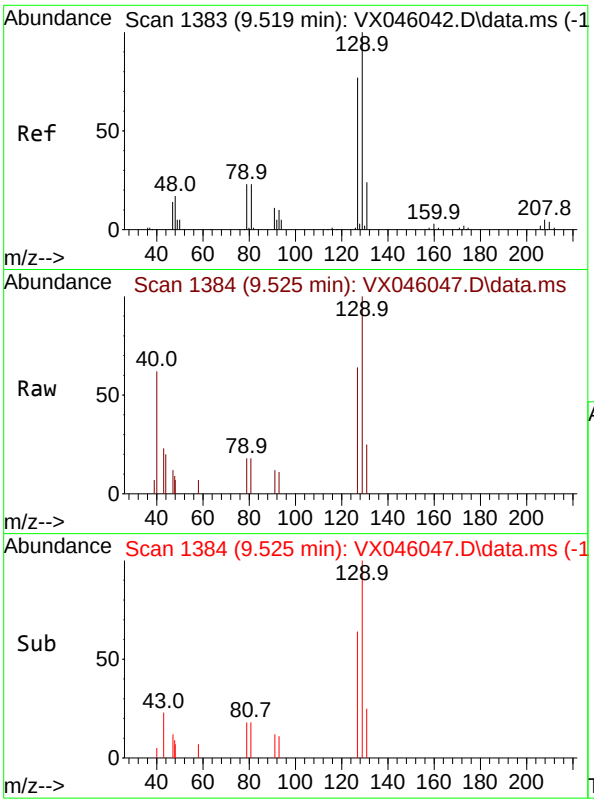




#59
2-Hexanone
Concen: 3.096 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 6424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 41.6 | 24.9 | 74.6 |

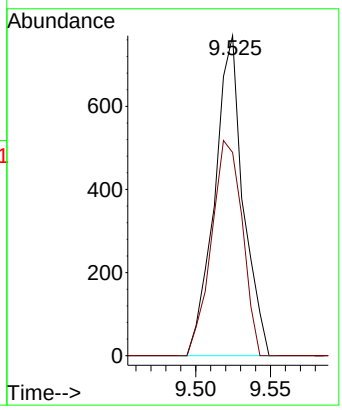





#60
Dibromochloromethane
Concen: 0.582 ug/l
RT: 9.525 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:129 Resp: 102

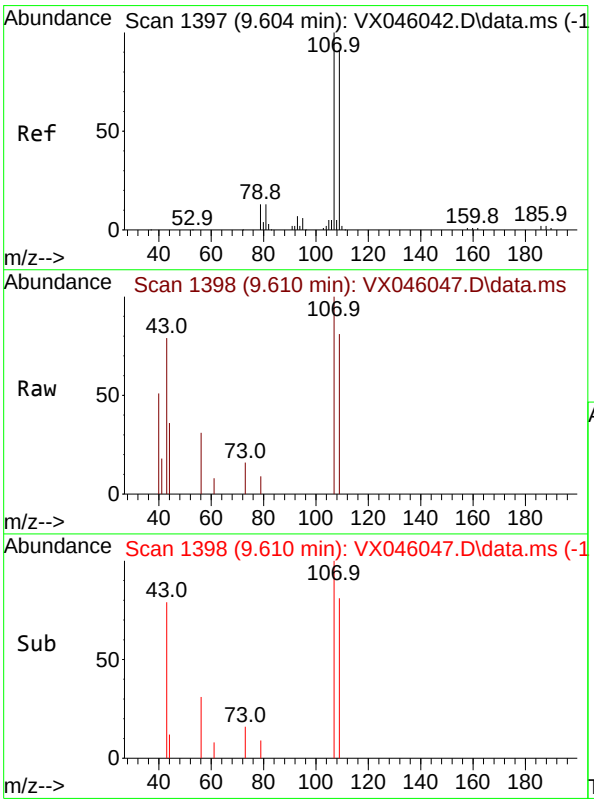
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 72.5 | 39.3 | 117.8 |




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

**Manual Integrations**
**APPROVED**

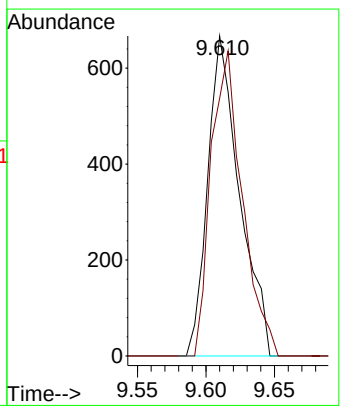
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

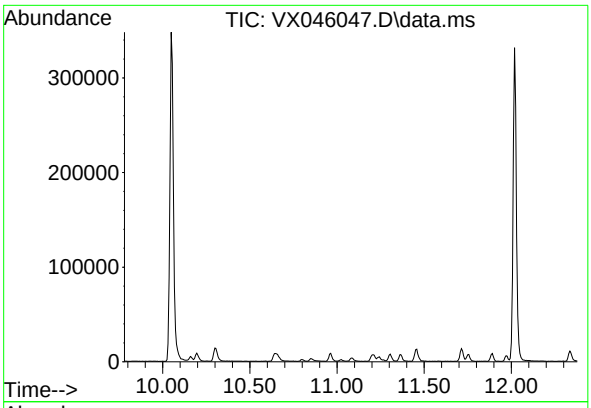



#61
1,2-Dibromoethane
Concen: 0.650 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:107 Resp: 1077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.0 | 73.3 | 109.9 |






#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

Lab File: VX046047.D
Acq: 05 May 2025 16:27

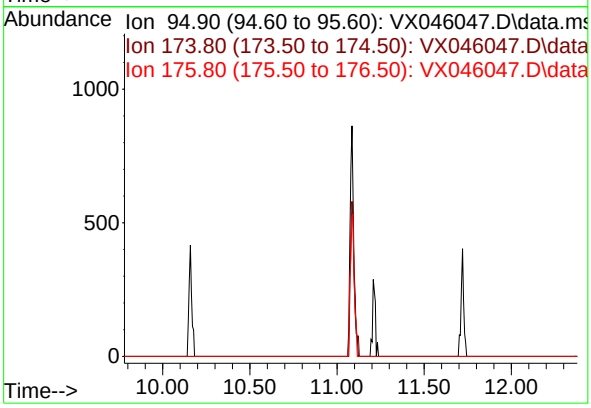
Tgt Ion: 95

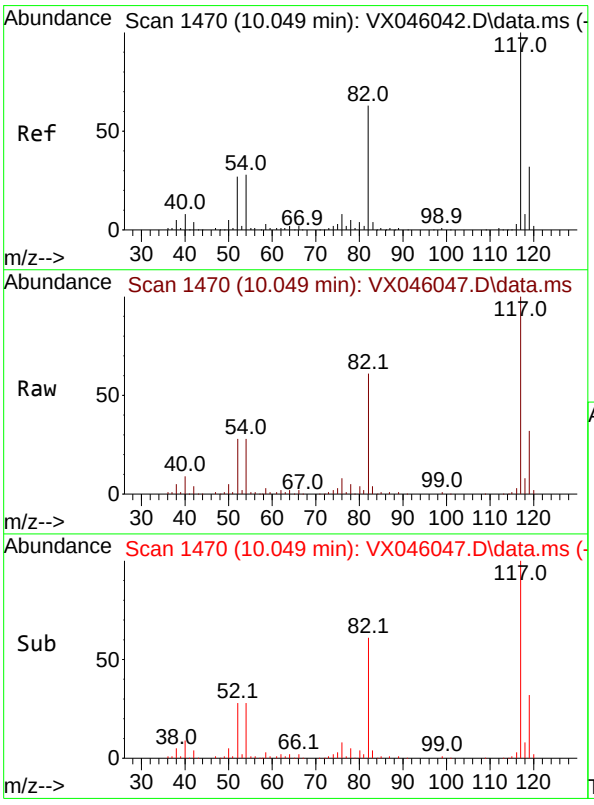
| Sig | Exp Ratio |
|---|---|
| 95 | 100 |
| 174 | 67.9 |
| 176 | 65.7 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

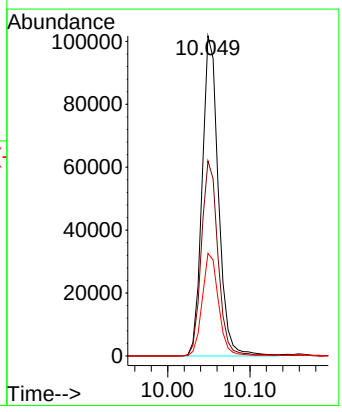


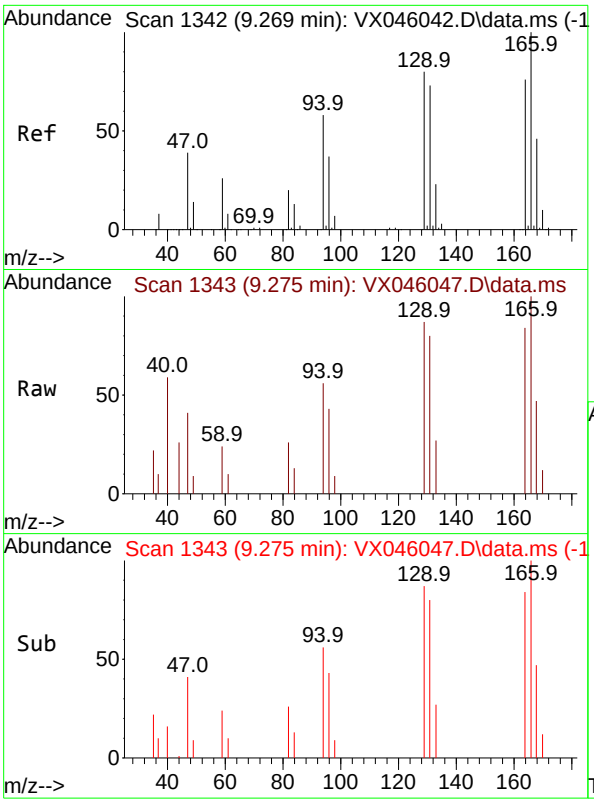




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 140108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.0 | 50.6 | 76.0 |
| 119 | 32.1 | 25.8 | 38.6 |

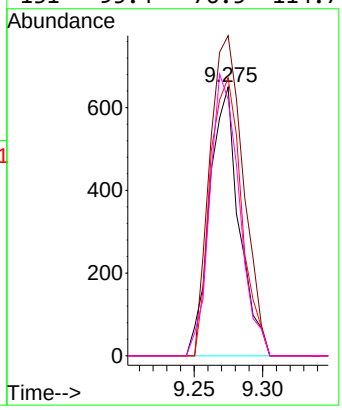





#64
Tetrachloroethene
Concen: 0.679 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:164 Resp: 97

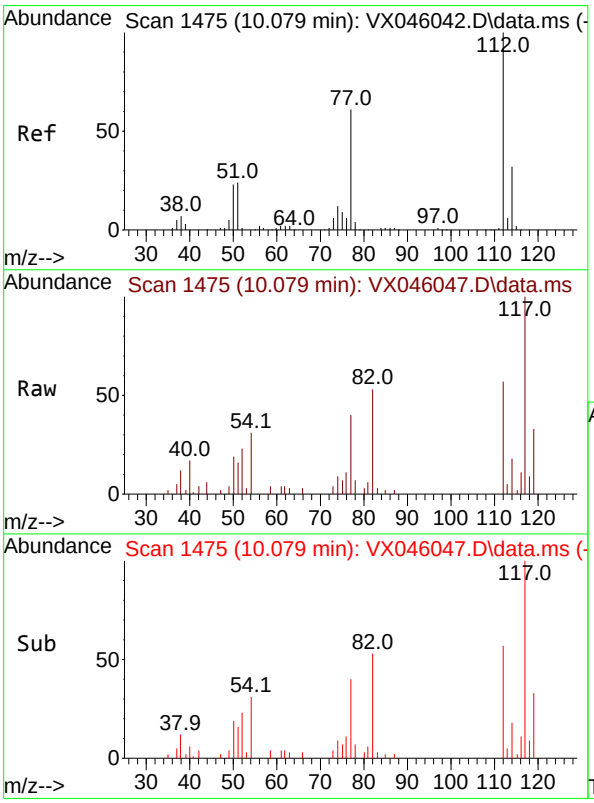
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 119.1 | 105.0 | 157.6 |
| 129 | 103.4 | 83.5 | 125.3 |
| 131 | 95.4 | 76.5 | 114.7 |




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

**Manual Integrations**
**APPROVED**

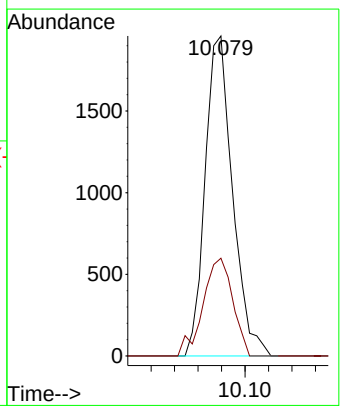
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

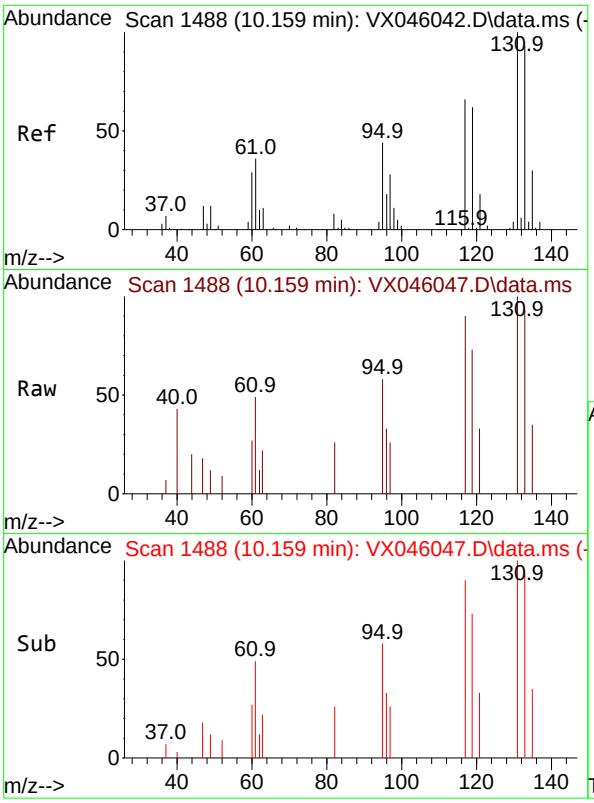



#65
Chlorobenzene
Concen: 0.735 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:112 Resp: 3170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.6 | 25.4 | 38.2 |






#66
1,1,1,2-Tetrachloroethane
Concen: 0.720 ug/l
RT: 10.159 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

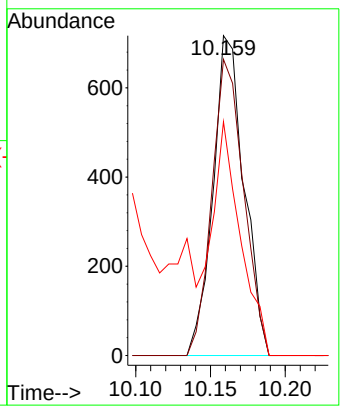
Tgt Ion:131 Resp: 103

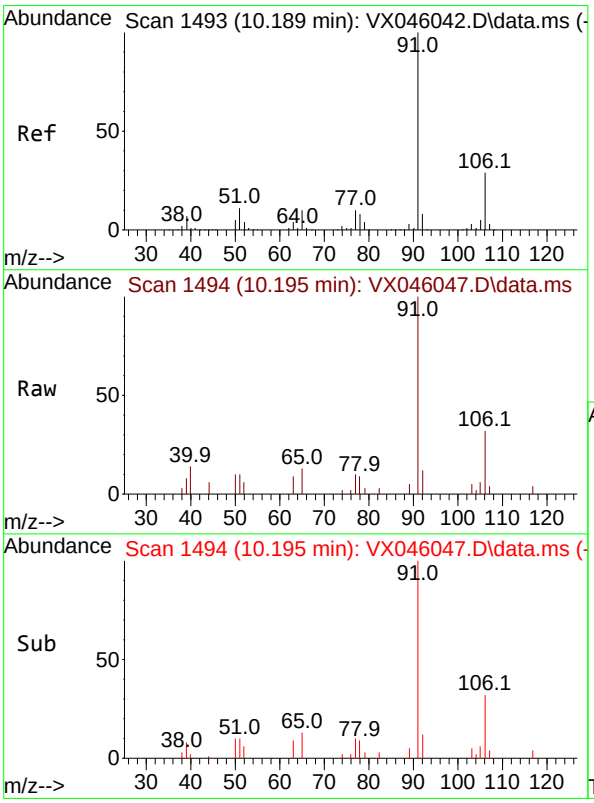
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.9 | 47.3 | 141.9 |
| 119 | 0.0 | 31.6 | 95.0 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

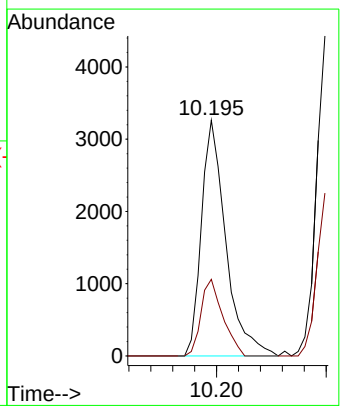


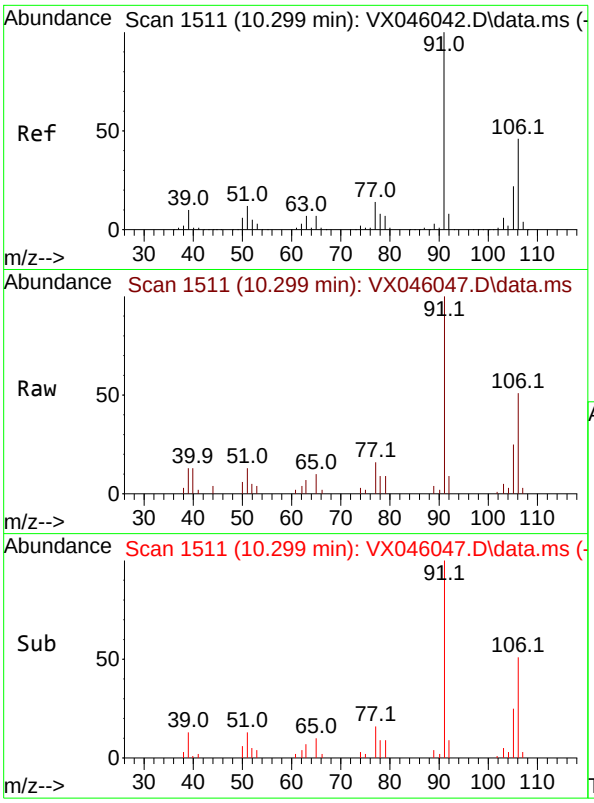




#67
Ethyl Benzene
Concen: 0.687 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 5052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.5 | 23.4 | 35.2 |






#68
m/p-Xylenes
Concen: 1.367 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

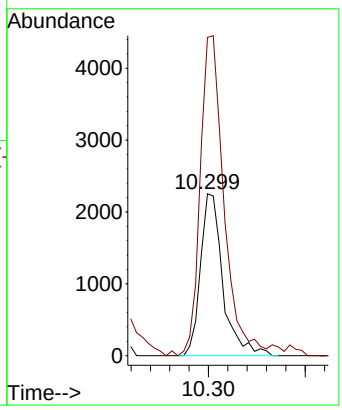
Tgt Ion:106 Resp: 363

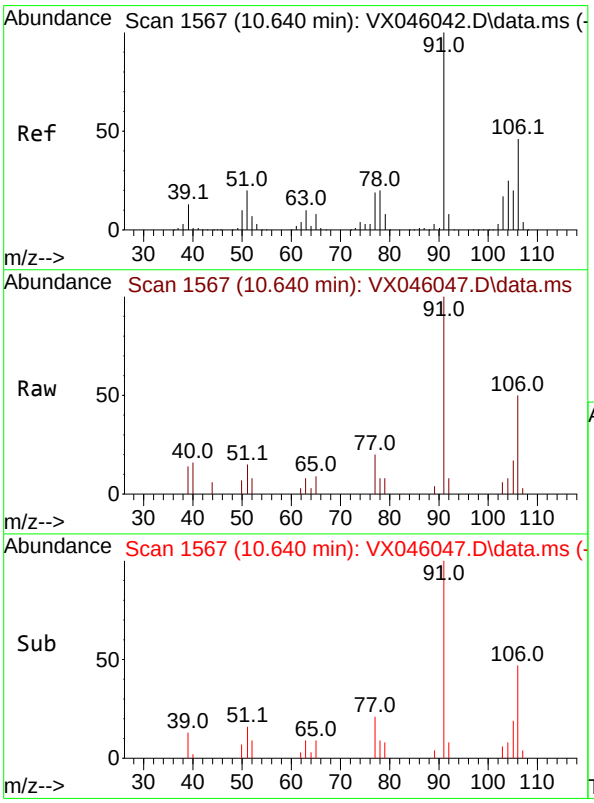
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.8 | 171.2 | 256.8 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

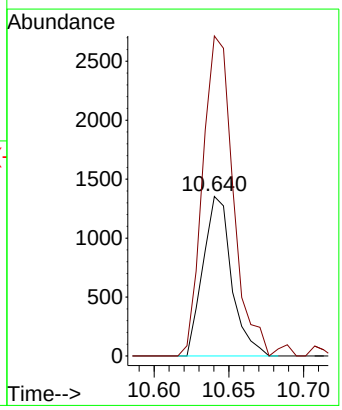


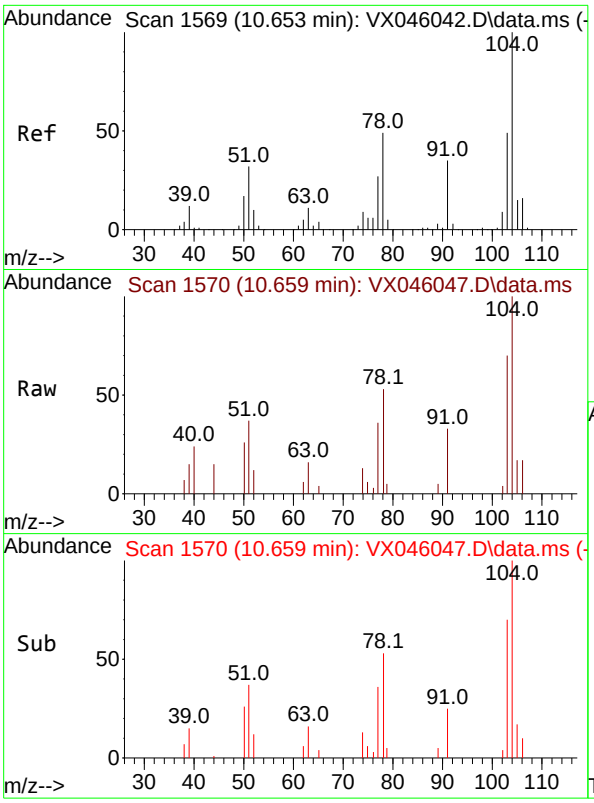




#69
o-Xylene
Concen: 0.672 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:106 Resp: 1799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.9 | 112.7 | 338.1 |

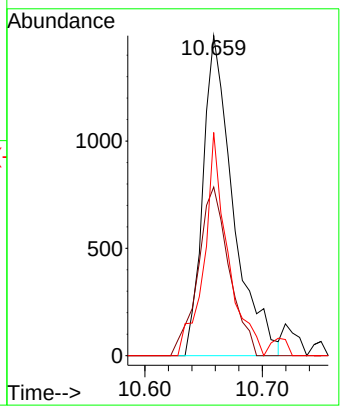





#70
Styrene
Concen: 0.622 ug/l
RT: 10.659 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:104 Resp: 266

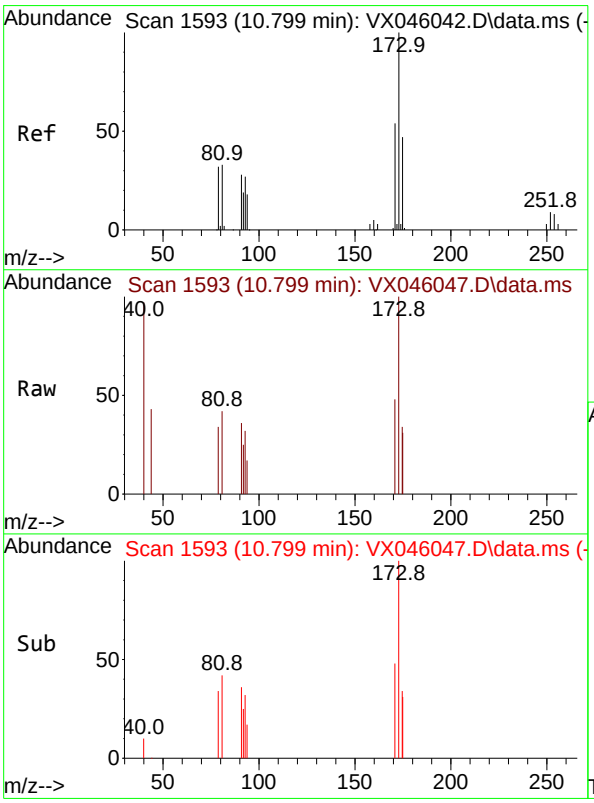
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.3 | 45.7 | 68.5 |
| 103 | 53.9 | 43.7 | 65.5 |




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

**Manual Integrations**
**APPROVED**

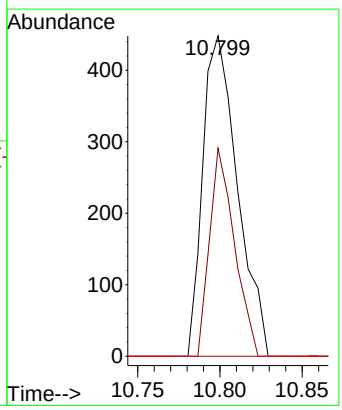
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

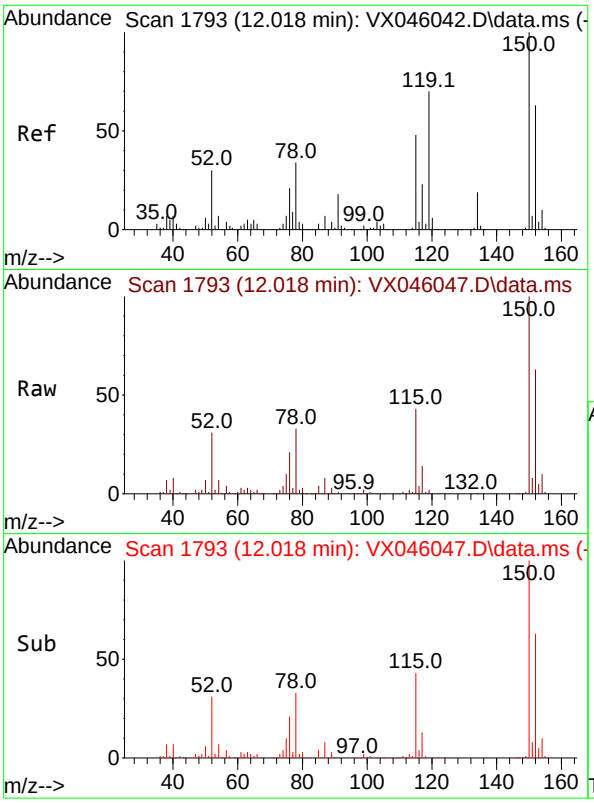



#71
Bromoform
Concen: 0.608 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:173 Resp: 657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.6 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |

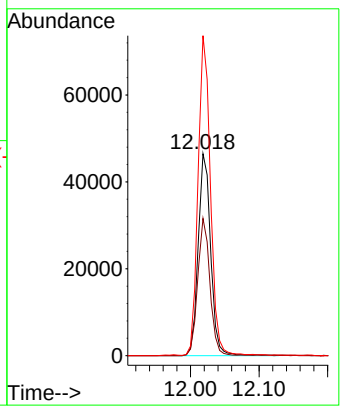





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:152 Resp: 5912

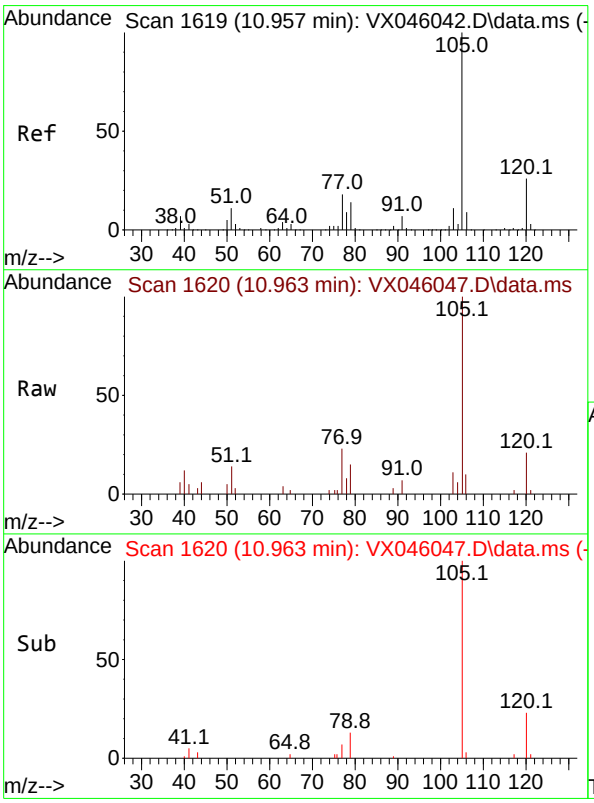
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 66.6 | 46.9 | 140.7 |
| 150 | 156.3 | 0.0 | 351.0 |




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

**Manual Integrations**
**APPROVED**

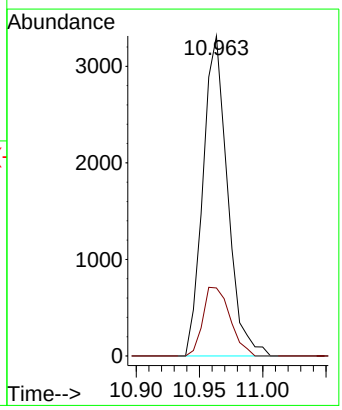
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

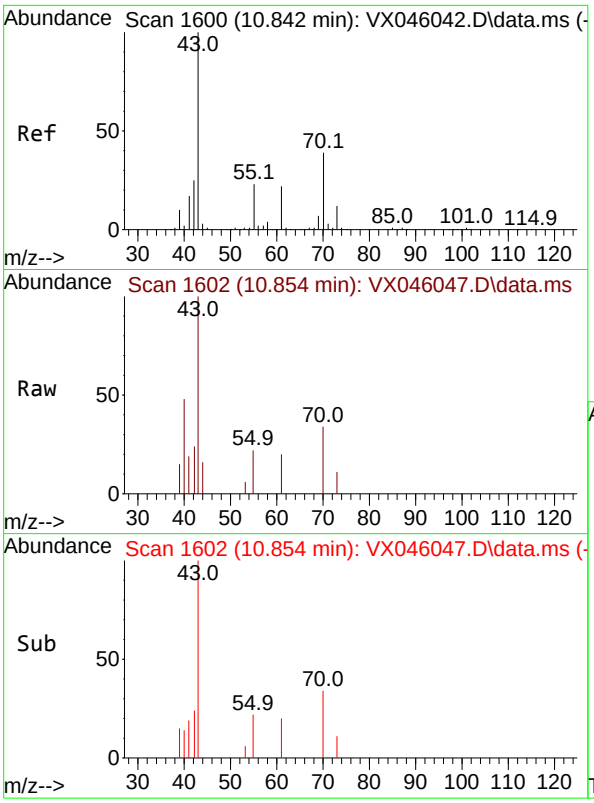



#73
Isopropylbenzene
Concen: 0.695 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 4480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 23.7 | 12.8 | 38.4 |

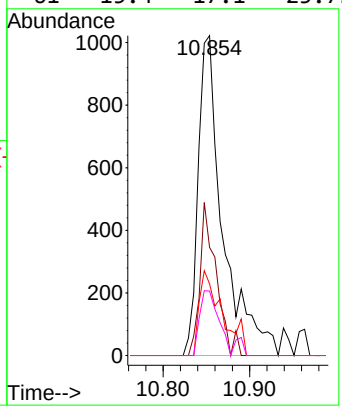





#74
N-amyl acetate
Concen: 0.631 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 202

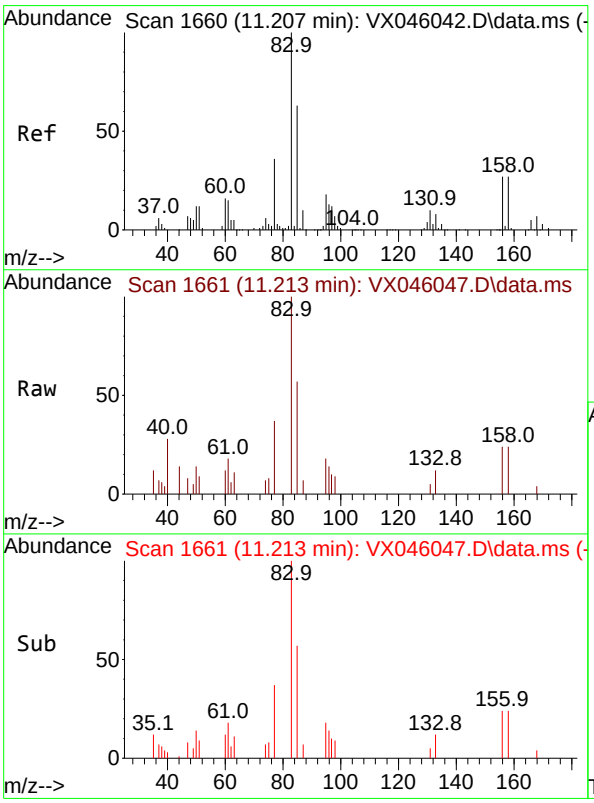
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 31.5 | 30.9 | 46.3 |
| 55 | 24.5 | 18.7 | 28.1 |
| 61 | 15.4 | 17.1 | 25.7# |




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

**Manual Integrations**
**APPROVED**

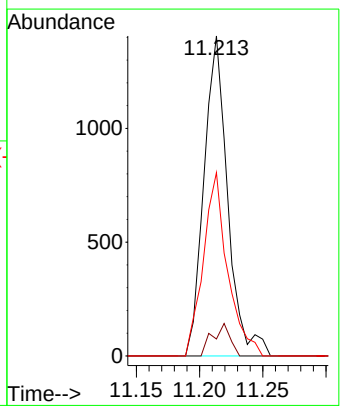
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

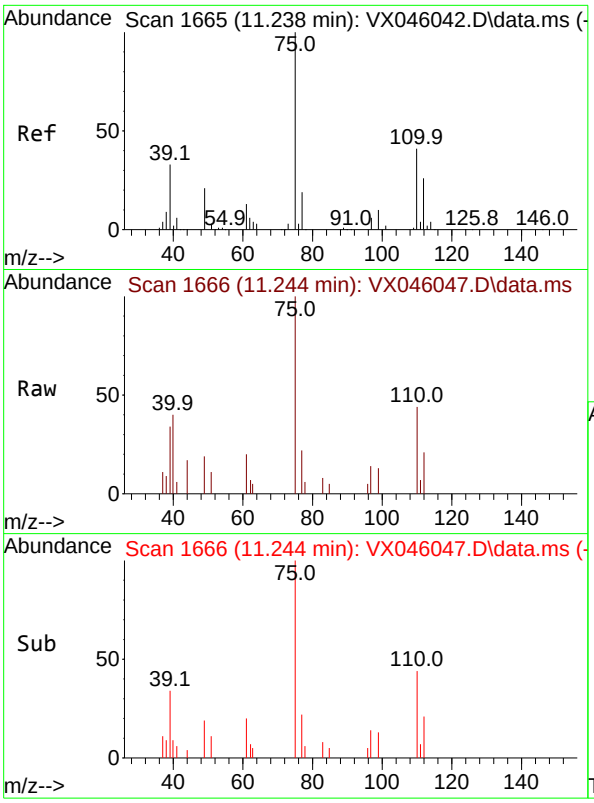



#75
1,1,2,2-Tetrachloroethane
Concen: 0.800 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 1835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 7.5 | 5.0 | 14.9 |
| 85 | 58.7 | 31.9 | 95.7 |






#76
1,2,3-Trichloropropane
Concen: 0.674 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

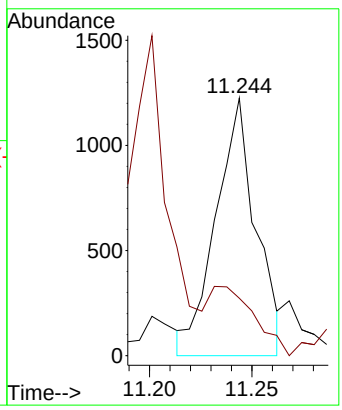
Tgt Ion: 75 Resp: 166

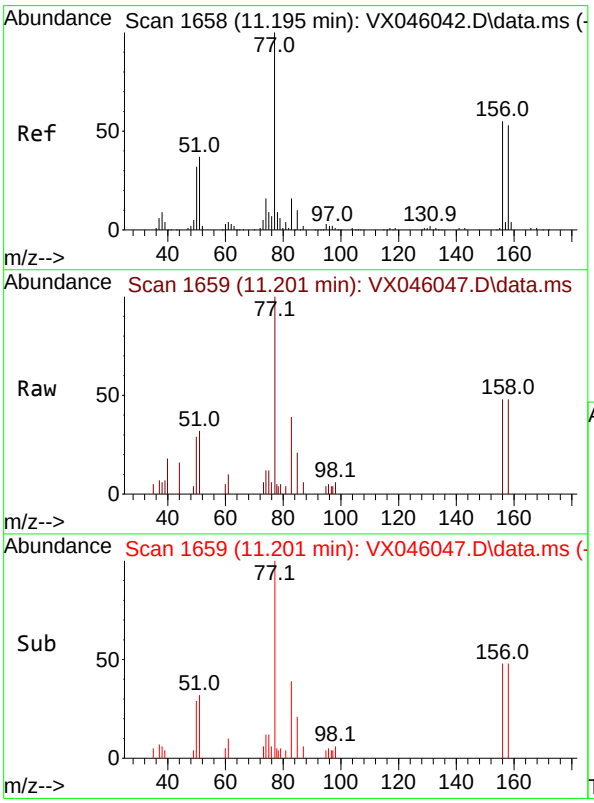
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.7 | 20.5 | 61.5 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

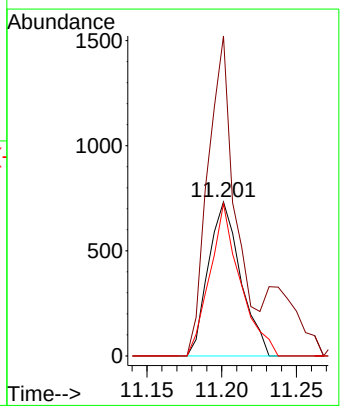


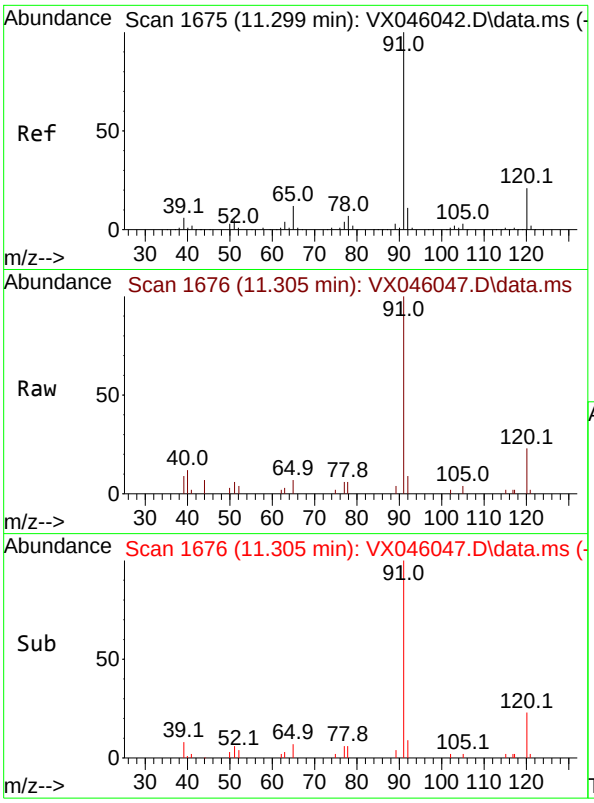




#77
Bromobenzene
Concen: 0.734 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:156 Resp: 1095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 179.5 | 92.8 | 278.3 |
| 158 | 93.5 | 48.8 | 146.3 |






#78
n-propylbenzene
Concen: 0.699 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

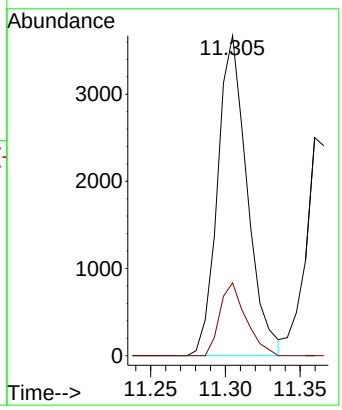
Tgt Ion: 91 Resp: 505

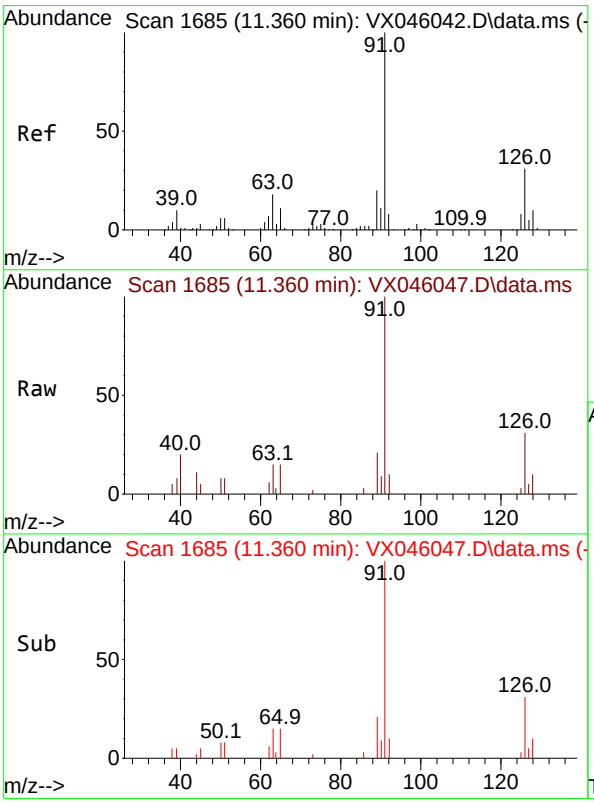
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 20.1 | 10.8 | 32.4 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

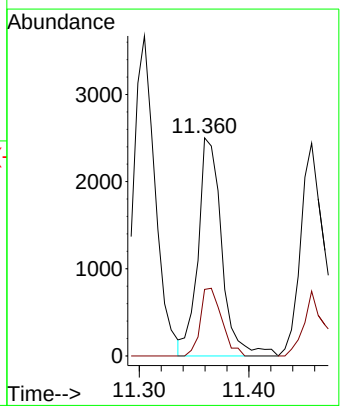


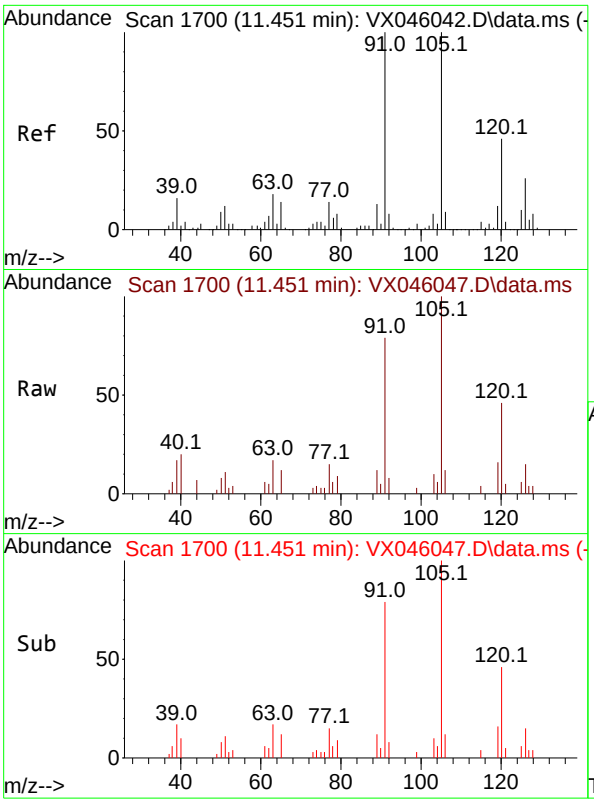




#79
2-Chlorotoluene
Concen: 0.773 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 3765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.0 | 15.6 | 46.7 |






#80
1,3,5-Trimethylbenzene
Concen: 0.671 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

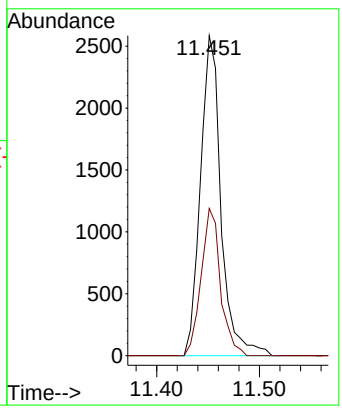
Tgt Ion:105 Resp: 359

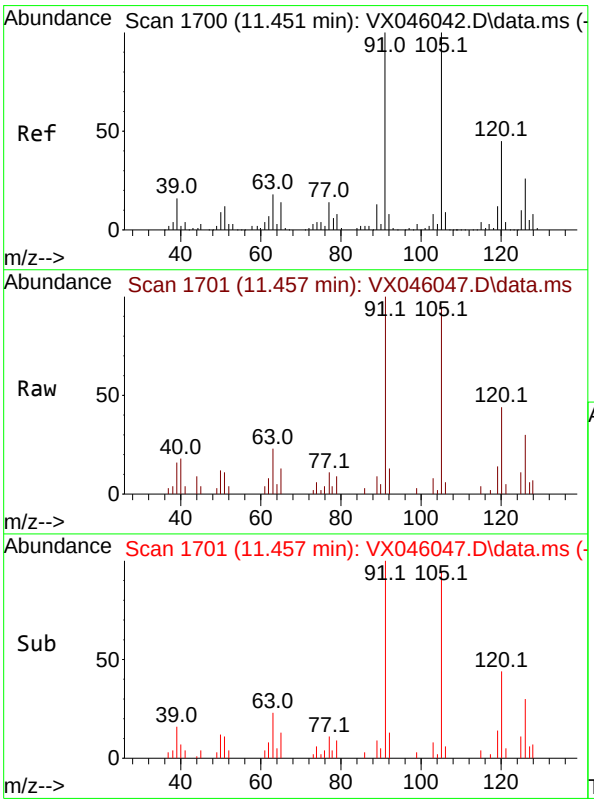
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.4 | 23.1 | 69.2 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

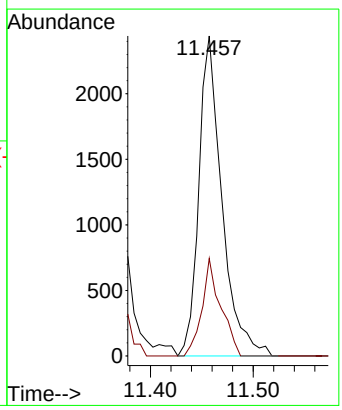


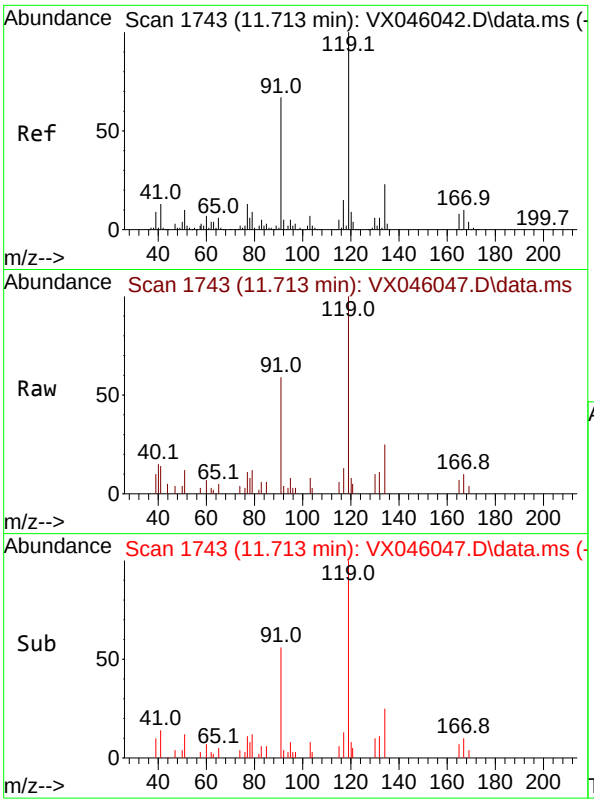




#82
4-Chlorotoluene
Concen: 0.713 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 3815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 24.8 | 13.3 | 39.8 |

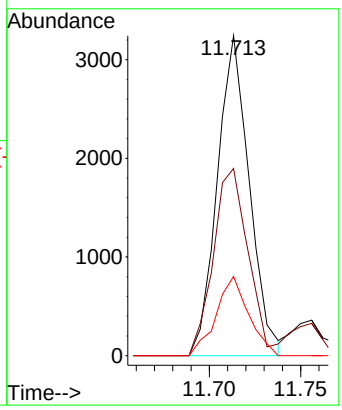





#83
tert-Butylbenzene
Concen: 0.751 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:119 Resp: 395

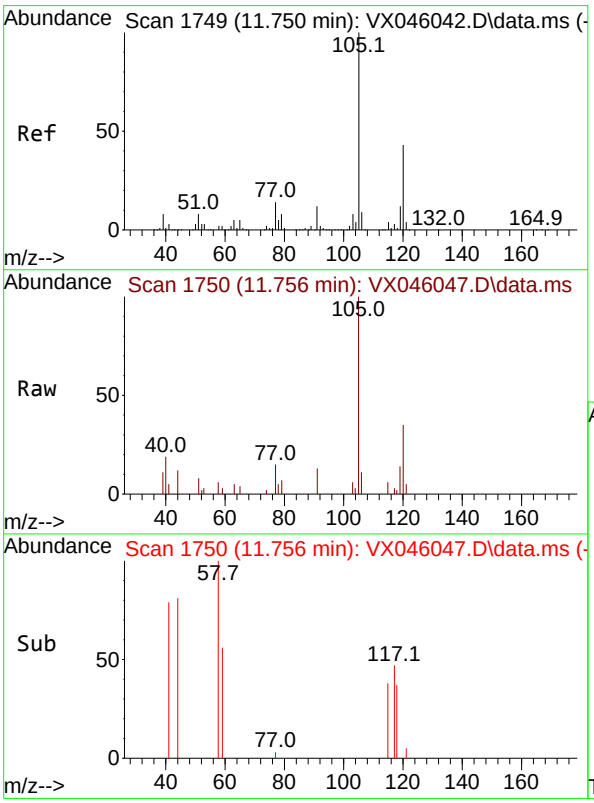
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 63.9 | 32.9 | 98.7 |
| 134 | 25.2 | 11.4 | 34.1 |




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

**Manual Integrations**
**APPROVED**

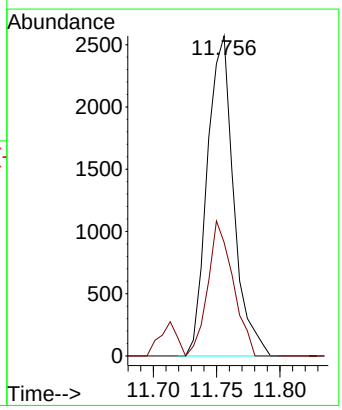
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

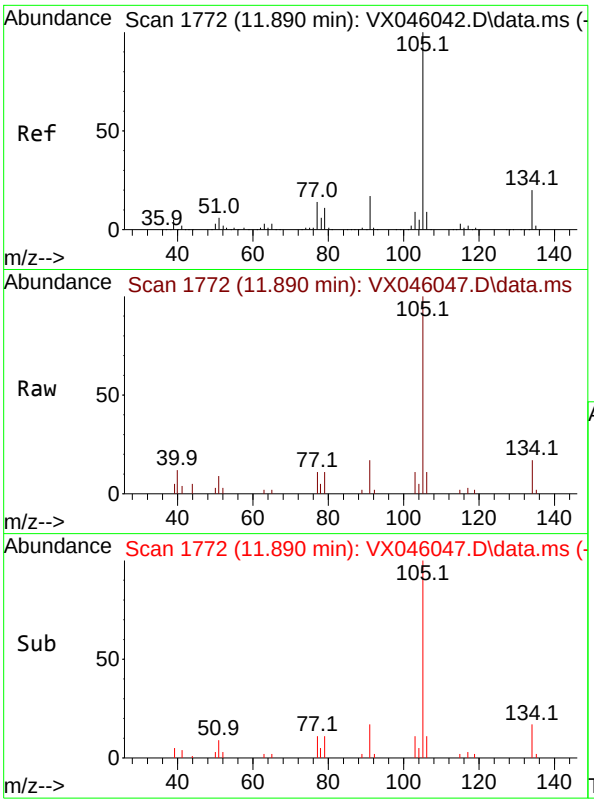



#84
1,2,4-Trimethylbenzene
Concen: 0.697 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 3725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 40.3 | 21.2 | 63.6 |






#85
sec-Butylbenzene
Concen: 0.672 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

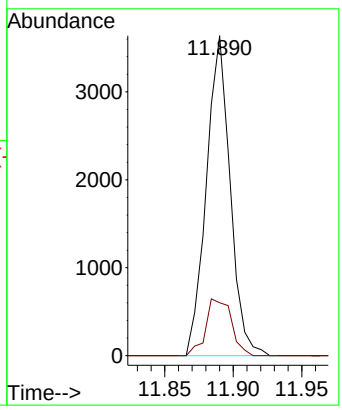
Tgt Ion:105 Resp: 438

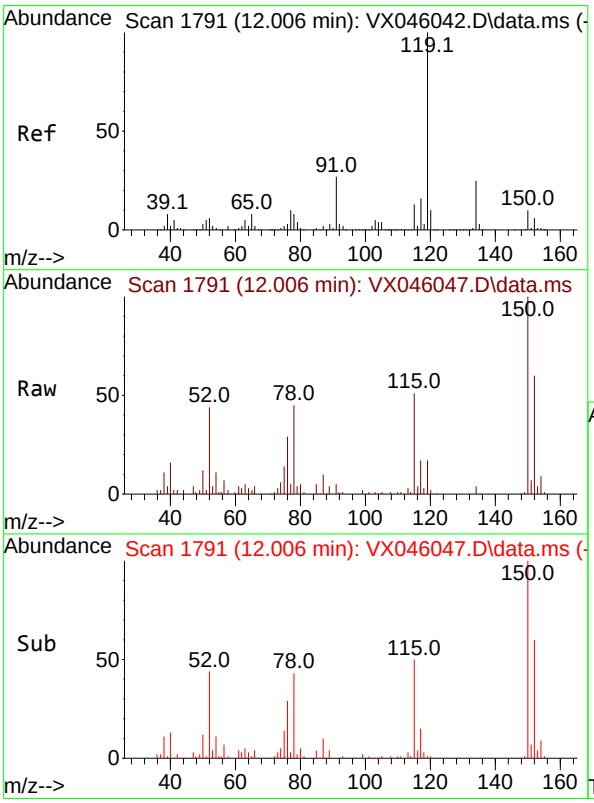
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.2 | 9.7 | 29.1 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

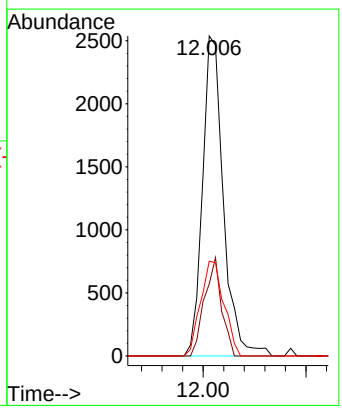


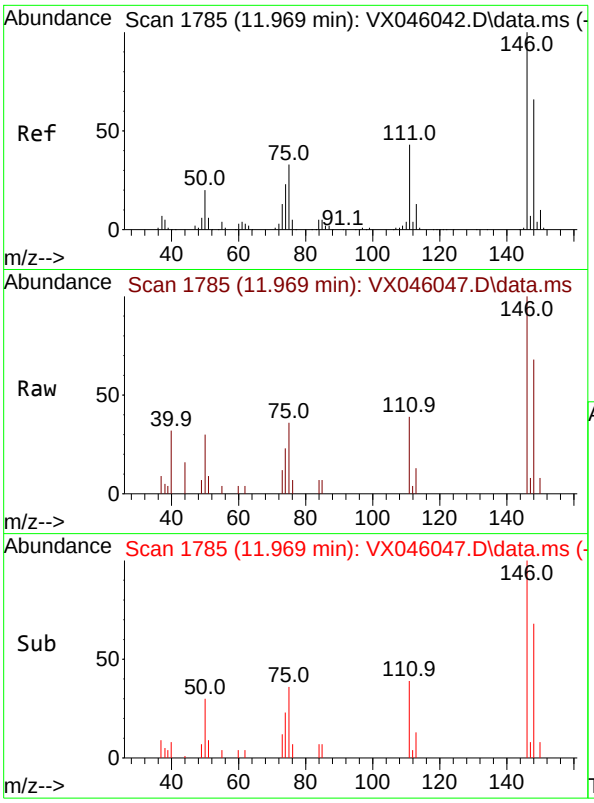




#86
p-Isopropyltoluene
Concen: 0.679 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:119 Resp: 3577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.0 | 12.5 | 37.5 |
| 91 | 33.1 | 13.8 | 41.4 |

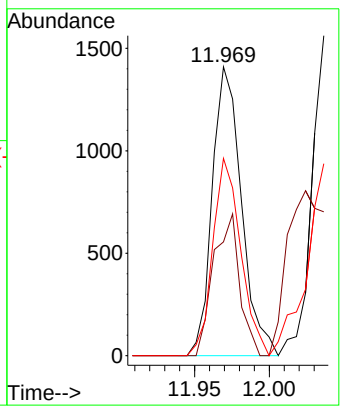





#87
1,3-Dichlorobenzene
Concen: 0.689 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 191

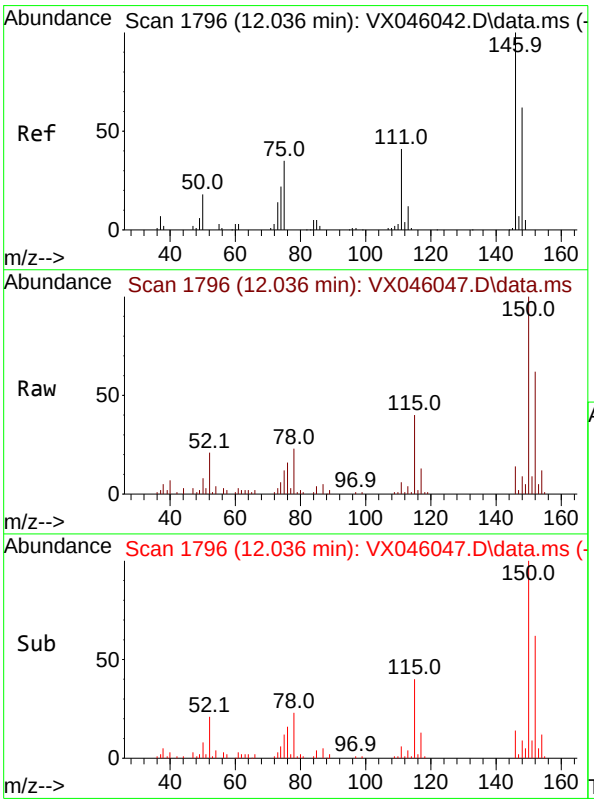
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.9 | 22.1 | 66.3 |
| 148 | 65.3 | 32.1 | 96.5 |




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

**Manual Integrations**
**APPROVED**

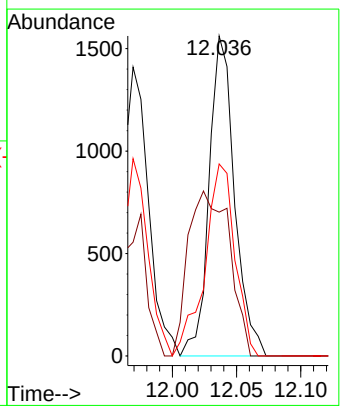
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

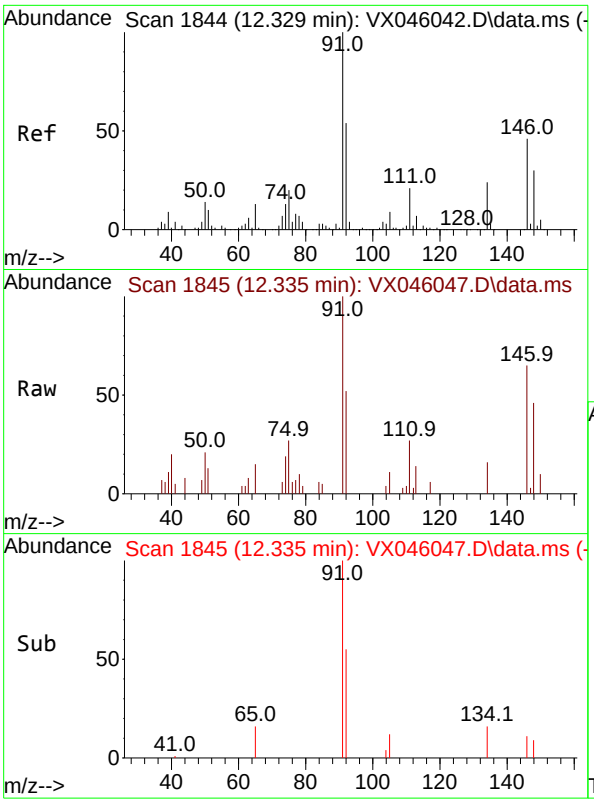



#88
1,4-Dichlorobenzene
Concen: 0.789 ug/l m
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 2149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.1 | 21.3 | 63.9 |
| 148 | 58.2 | 31.9 | 95.5 |

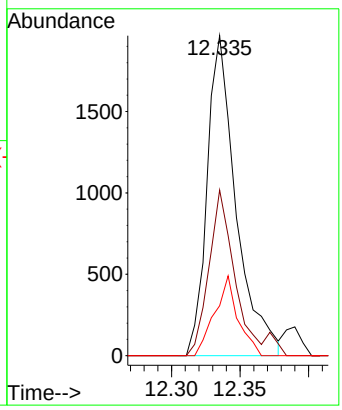





#89
n-Butylbenzene
Concen: 0.631 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 288

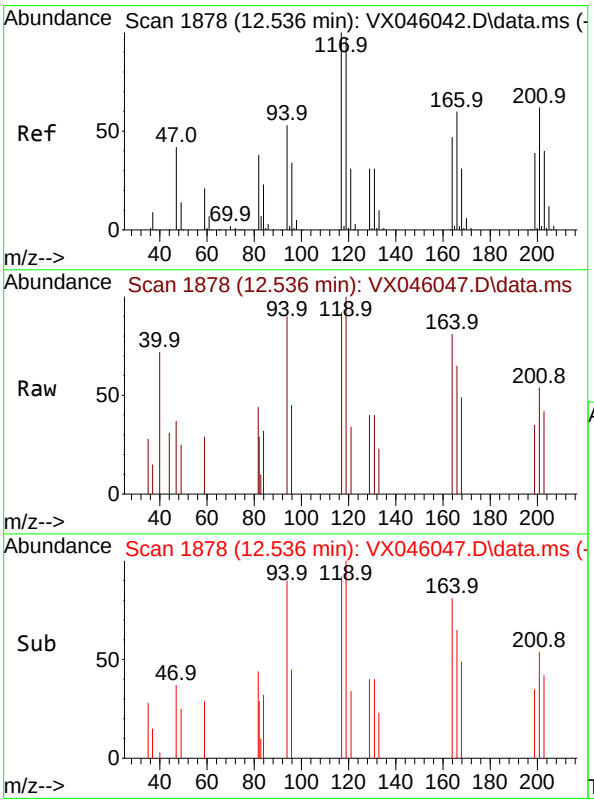
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 48.1 | 26.9 | 80.7 |
| 134 | 20.1 | 11.8 | 35.3 |




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

**Manual Integrations**
**APPROVED**

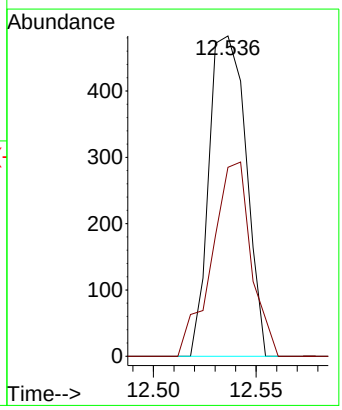
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

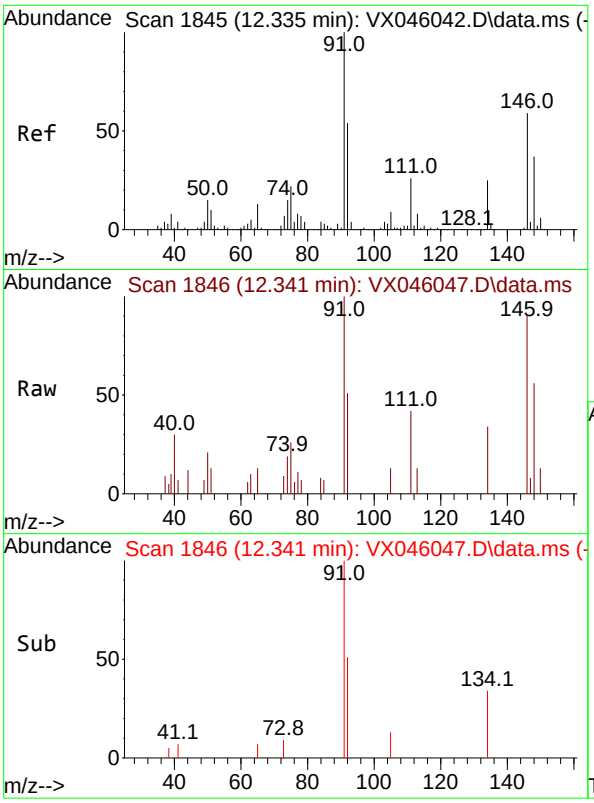



#90
Hexachloroethane
Concen: 0.616 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.2 | 31.6 | 94.7 |

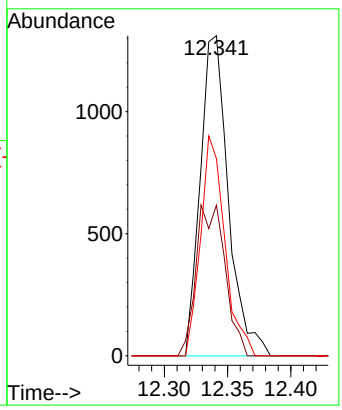





#91
1,2-Dichlorobenzene
Concen: 0.747 ug/l
RT: 12.341 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 202

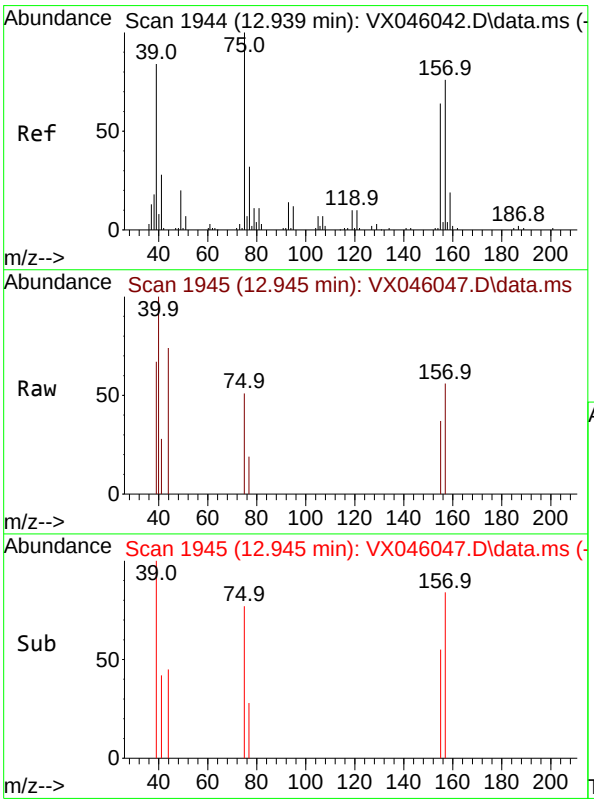
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 48.8 | 22.4 | 67.3 |
| 148 | 59.4 | 31.6 | 94.8 |




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

**Manual Integrations**
**APPROVED**

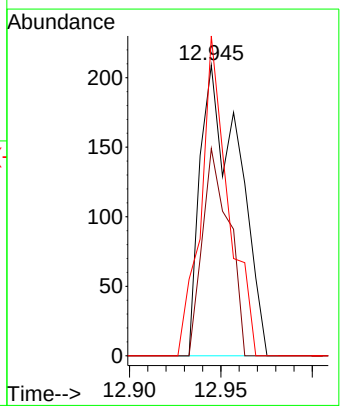
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

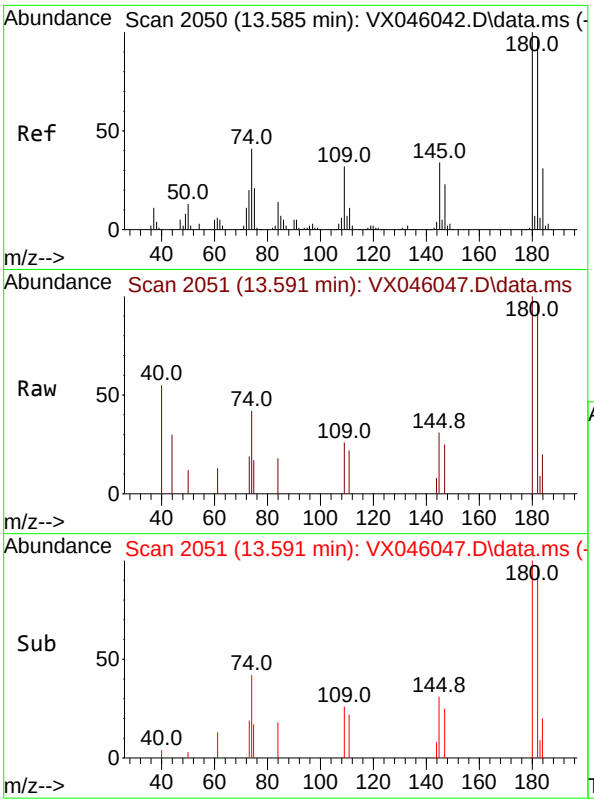



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.586 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 49.3 | 34.9 | 104.8 |
| 157 | 78.1 | 43.8 | 131.4 |






#93
1,2,4-Trichlorobenzene
Concen: 0.688 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

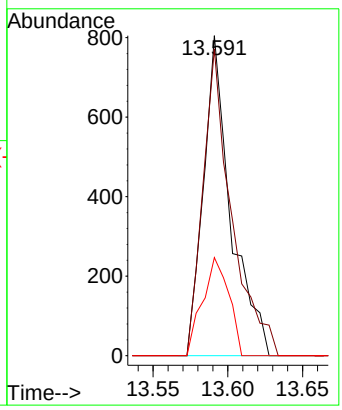
Tgt Ion:180 Resp: 101

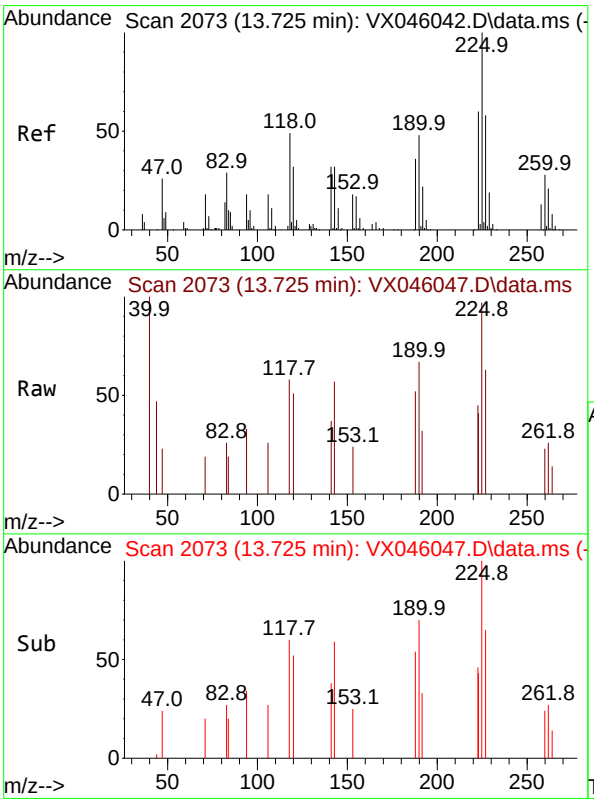
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 100.6 | 47.9 | 143.8 |
| 145 | 29.5 | 17.1 | 51.2 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

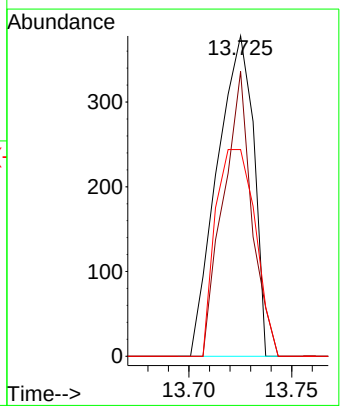


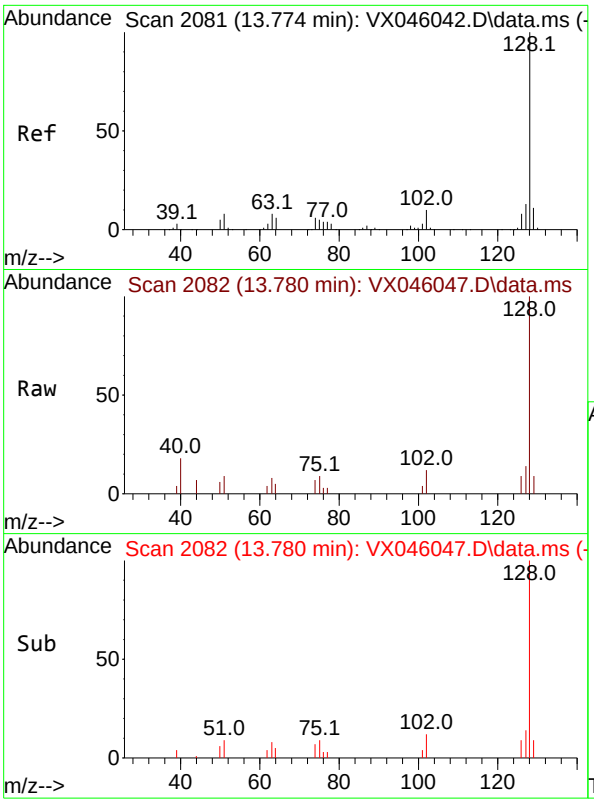




#94
Hexachlorobutadiene
Concen: 0.671 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:225 Resp: 465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 69.7 | 30.8 | 92.4 |
| 227 | 70.5 | 30.9 | 92.7 |

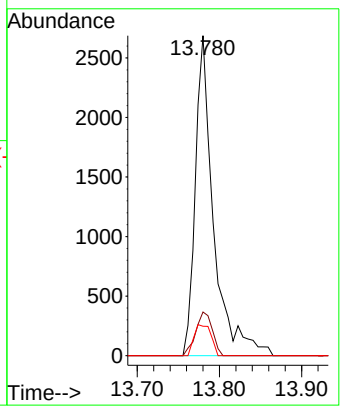





#95
Naphthalene
Concen: 0.767 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:128 Resp: 413

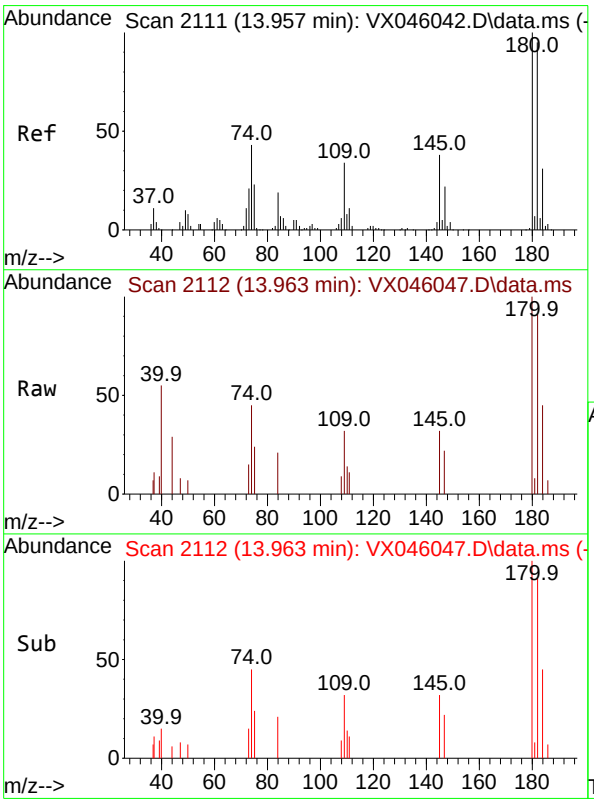
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.4 | 10.4 | 15.6 |
| 129 | 8.9 | 8.6 | 13.0 |




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

**Manual Integrations**
**APPROVED**

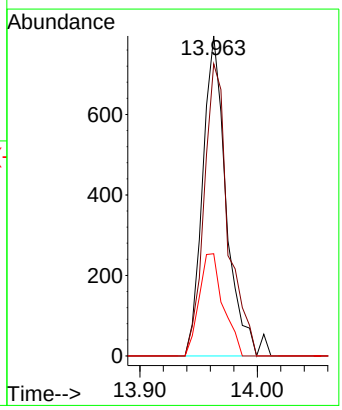
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025




#96
1,2,3-Trichlorobenzene
Concen: 0.716 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:180 Resp: 1113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.5 | 47.8 | 143.3 |
| 145 | 32.5 | 18.1 | 54.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 92588 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 162651 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 145078 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 68229 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 83733 | 48.509 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 97.020% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 58192 | 49.683 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.360% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 198575 | 48.984 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 97.960% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 75568 | 48.596 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 78783 | 55.594 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 72275 | 52.592 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 65994 | 51.598 | ug/l | 98 |
| 5) Bromomethane | 1.593 | 94 | 30033 | 50.627 | ug/l | 97 |
| 6) Chloroethane | 1.666 | 64 | 35690 | 52.271 | ug/l | 94 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 99352 | 52.560 | ug/l | 99 |
| 8) Diethyl Ether | 2.130 | 74 | 31875 | 49.536 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 59451 | 50.822 | ug/l | 99 |
| 10) Methyl Iodide | 2.447 | 142 | 73940 | 53.419 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.977 | 59 | 61065 | 252.025 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.313 | 96 | 56097 | 51.097 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 64157 | 232.505 | ug/l | 99 |
| 14) Allyl chloride | 2.660 | 41 | 108757 | 51.833 | ug/l | 100 |
| 15) Acrylonitrile | 3.063 | 53 | 181808 | 262.412 | ug/l | 99 |
| 16) Acetone | 2.380 | 43 | 169923 | 245.518 | ug/l | 98 |
| 17) Carbon Disulfide | 2.502 | 76 | 132695 | 50.981 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 80251 | 49.968 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 195442 | 50.777 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 63369 | 47.779 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 55770 | 50.513 | ug/l | 99 |
| 22) Diisopropyl ether | 3.757 | 45 | 209946 | 51.800 | ug/l | 97 |
| 23) Vinyl Acetate | 3.715 | 43 | 946746 | 265.585 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 114733 | 50.825 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 258339 | 257.110 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 88229 | 49.934 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 67727 | 50.956 | ug/l | 100 |
| 28) Bromochloromethane | 4.891 | 49 | 55390 | 50.975 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.001 | 42 | 163675 | 259.958 | ug/l | 99 |
| 30) Chloroform | 5.093 | 83 | 120782 | 51.332 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 103158 | 50.147 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 104243 | 51.108 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 77931 | 49.521 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 98604 | 50.714 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 88100 | 49.825 | ug/l | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 100808 | 49.757 | ug/l | 98 |
| 40) Benzene | 6.031 | 78 | 233977 | 50.759 | ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 56017 | 55.076 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 101185 | 50.861 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.336 | 43 | 154818 | 52.195 | ug/l | | 99 |
| 44) Trichloroethene | 7.123 | 130 | 55491 | 50.018 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 59582 | 51.983 | ug/l | | 98 |
| 46) Dibromomethane | 7.580 | 93 | 45181 | 49.978 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 92388 | 51.889 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 82144 | 54.226 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.659 | 88 | 30477 | 1059.599 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 510206 | 259.133 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 144574 | 51.150 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 83751 | 52.920 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 92517 | 52.892 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 56713 | 50.887 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 95772 | 53.918 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 99663 | 49.793 | ug/l | | 97 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 240681 | 265.780 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 390701 | 268.218 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 63738 | 52.075 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 59134 | 51.050 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 48034 | 46.795 | ug/l | | 98 |
| 65) Chlorobenzene | 10.073 | 112 | 154640 | 48.699 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 53735 | 49.557 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 281239 | 50.245 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 206813 | 101.022 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 101469 | 50.841 | ug/l | | 99 |
| 70) Styrene | 10.653 | 104 | 169703 | 51.907 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 40364 | 49.583 | ug/l | # | 97 |
| 73) Isopropylbenzene | 10.957 | 105 | 269484 | 50.733 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 137559 | 52.407 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 89027 | 47.827 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 79763m | 48.568 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 59871 | 48.549 | ug/l | | 98 |
| 78) n-propylbenzene | 11.299 | 91 | 312285 | 50.562 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 195630 | 49.107 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 228538 | 51.500 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 24857 | 49.276 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 223811 | 50.661 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 225783 | 50.511 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 231371 | 51.485 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 280578 | 51.122 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 231942 | 51.198 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.963 | 146 | 113146 | 50.272 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 111173 | 48.368 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 205858 | 51.804 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 39823 | 49.895 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 111482 | 49.361 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 21220 | 51.458 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 64421 | 49.662 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 27425 | 48.408 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 239805 | 50.404 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 64950 | 48.525 | ug/l | | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

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

ICAL Form

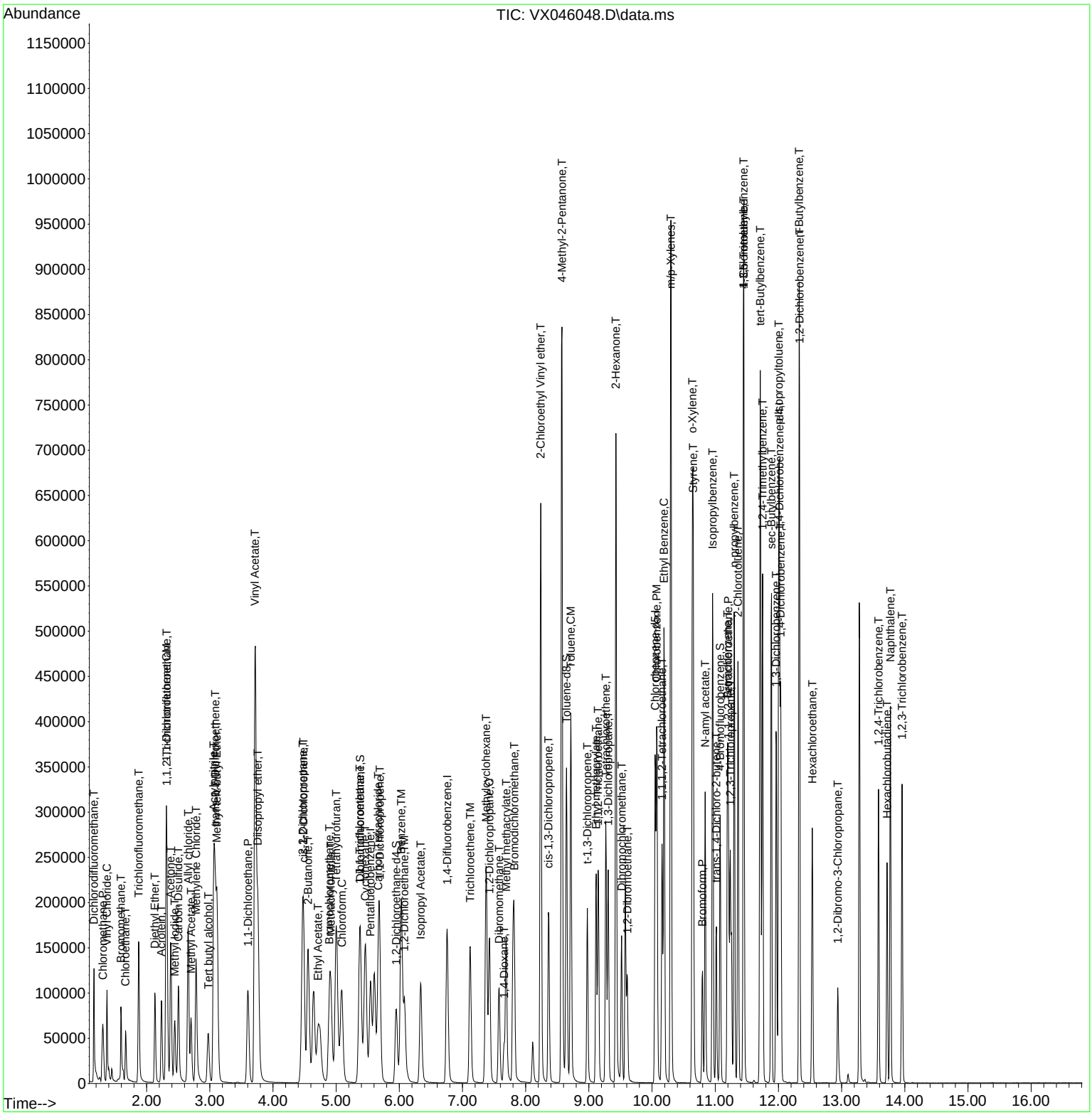
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

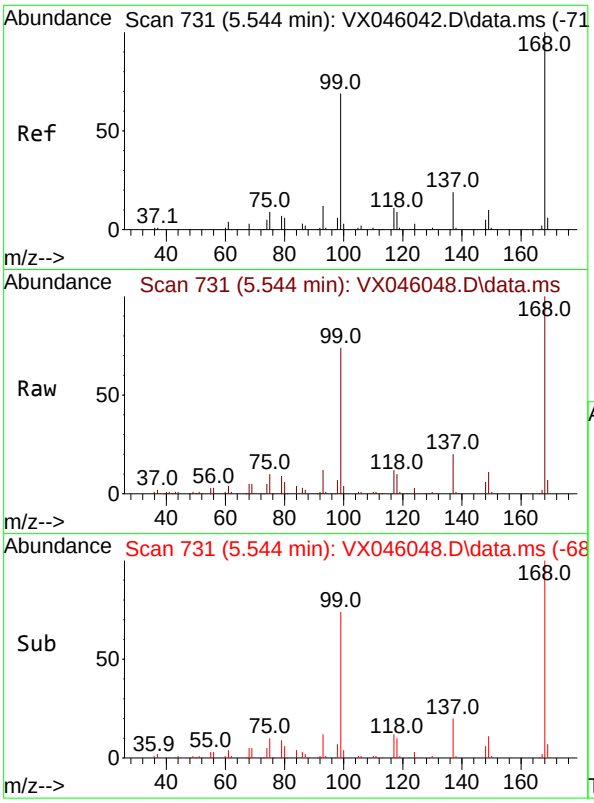
Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

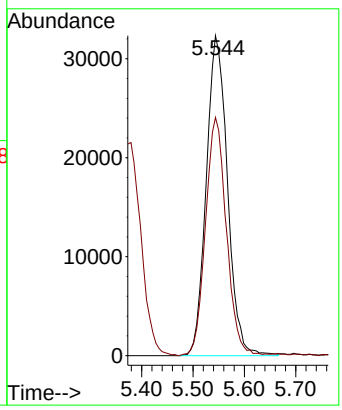





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:168 Resp: 9258

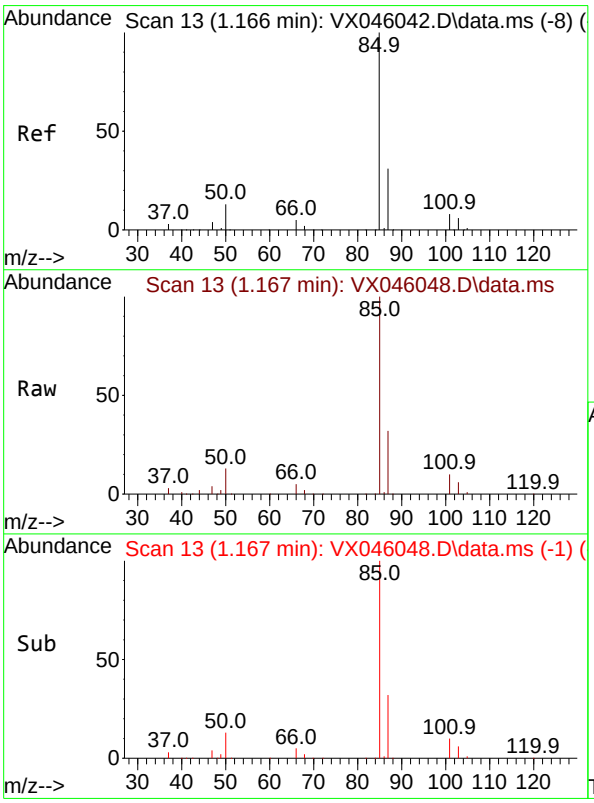
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 74.5 | 54.9 | 82.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

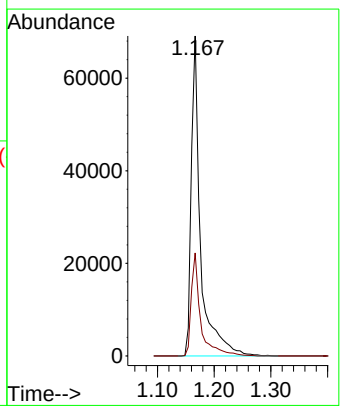
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

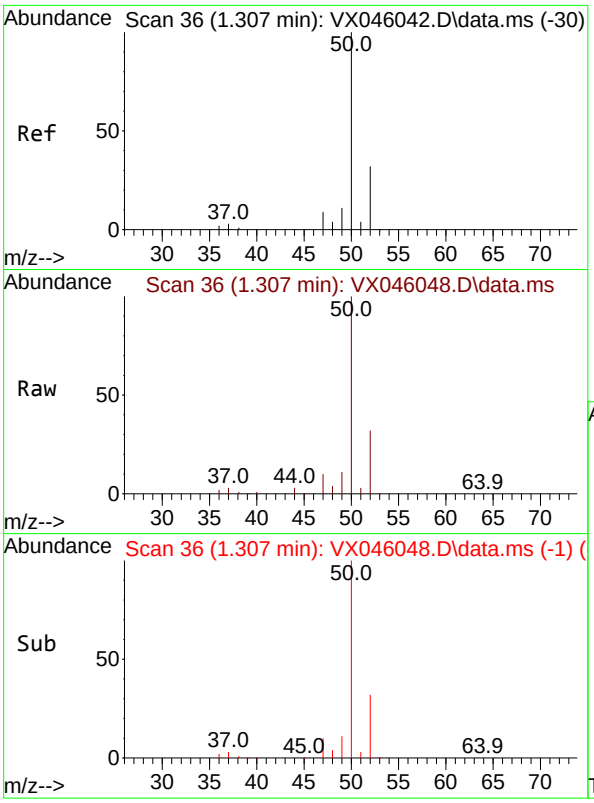



#2
Dichlorodifluoromethane
Concen: 55.594 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 85 Resp: 78783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.2 | 15.7 | 47.1 |

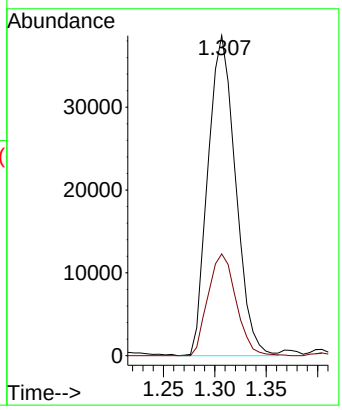





#3
Chloromethane
Concen: 52.592 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 50 Resp: 7227

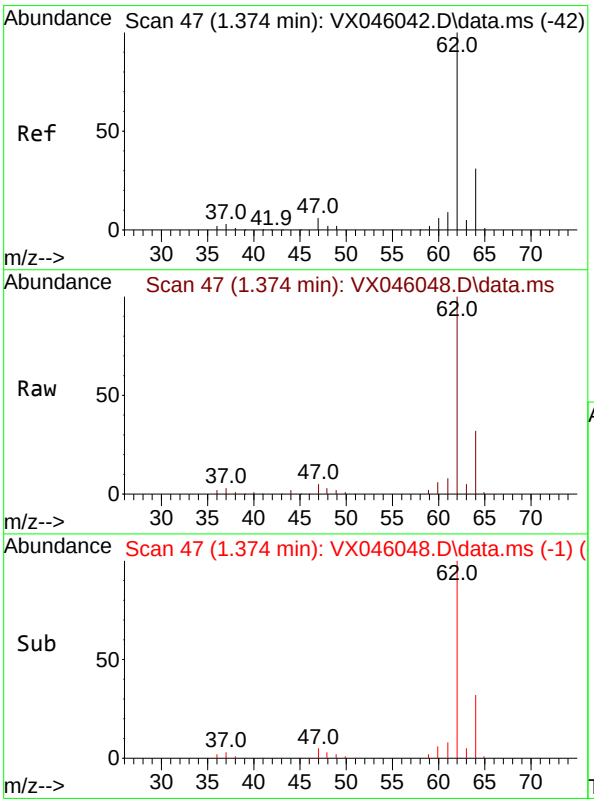
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

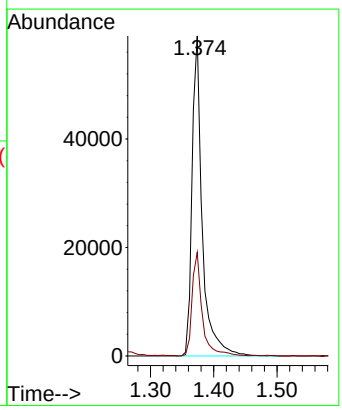
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

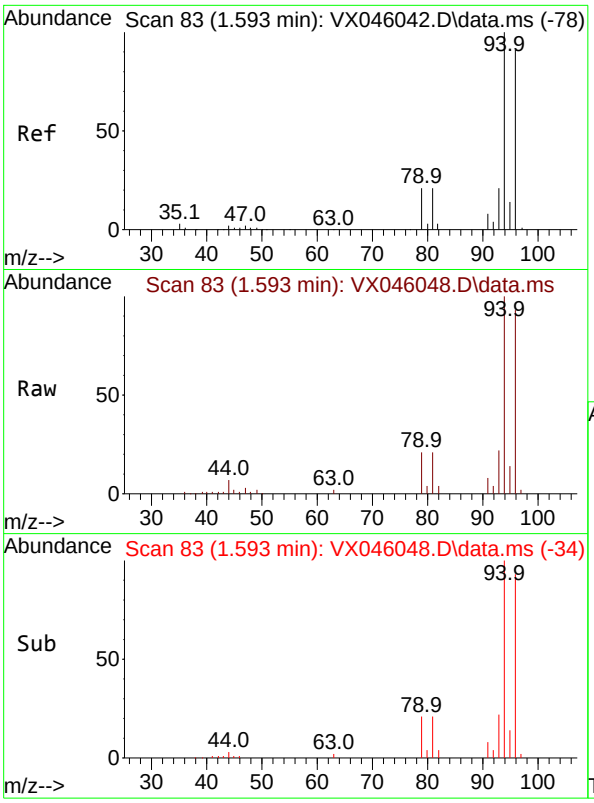



#4
Vinyl Chloride
Concen: 51.598 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 65994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.3 | 25.2 | 37.8 |






#5
Bromomethane
Concen: 50.627 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

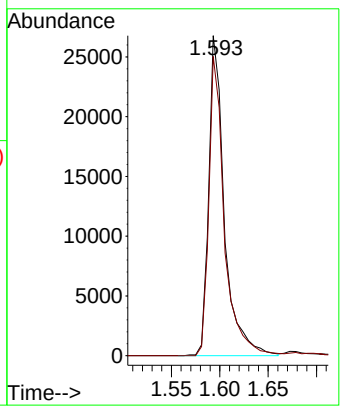
Tgt Ion: 94 Resp: 3003

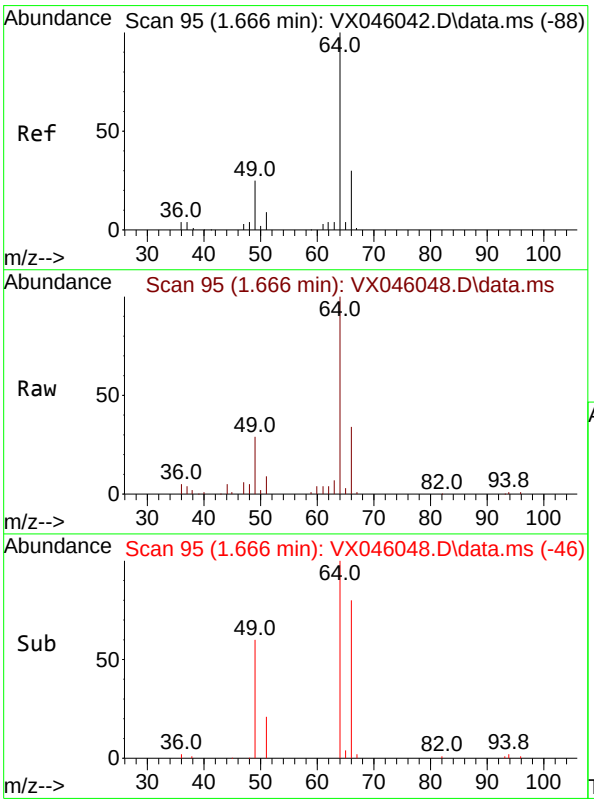
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.5 | 72.8 | 109.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

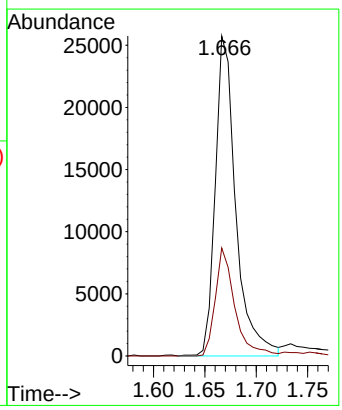


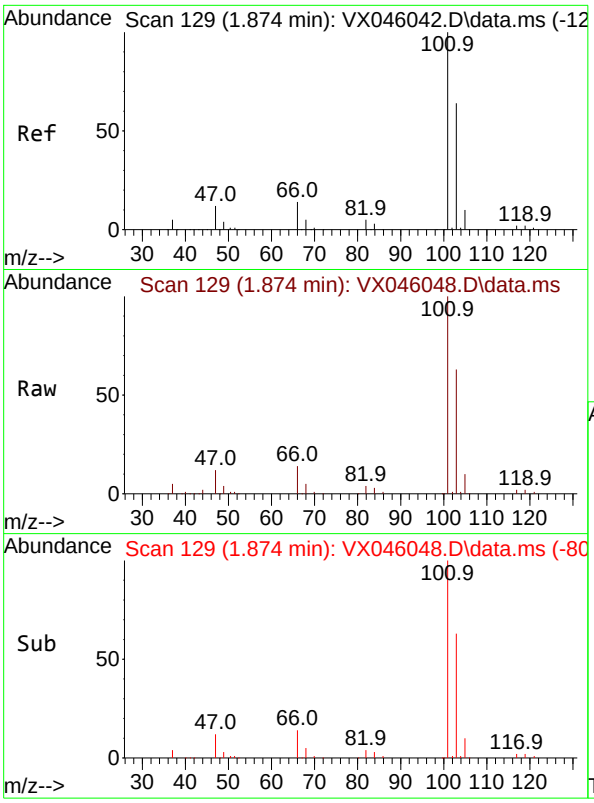




#6
Chloroethane
Concen: 52.271 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 64 Resp: 35690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.7 | 24.3 | 36.5 |

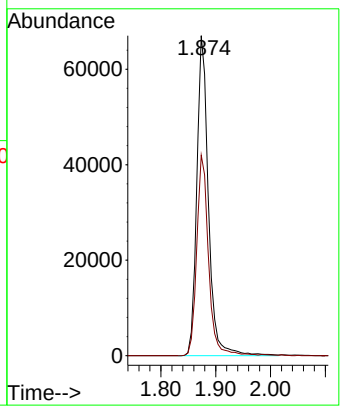





#7
Trichlorofluoromethane
Concen: 52.560 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:101 Resp: 9935

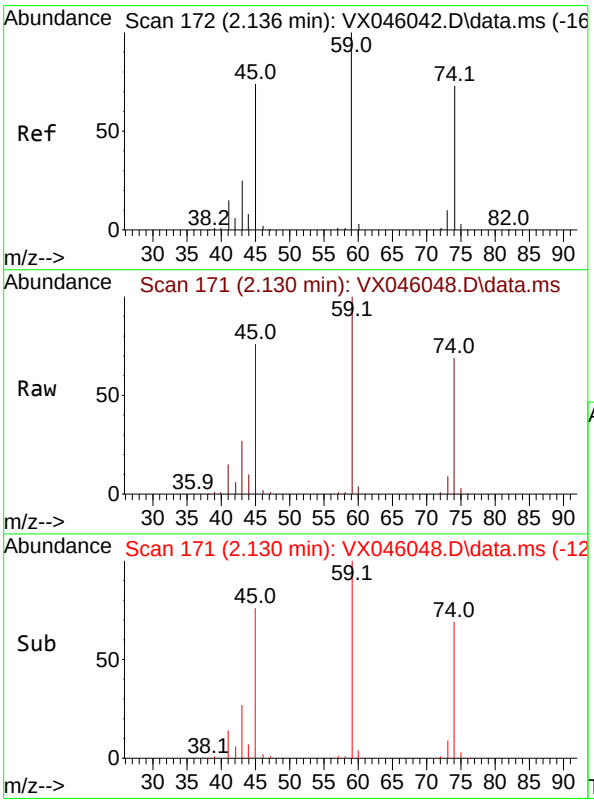
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.6 | 51.0 | 76.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

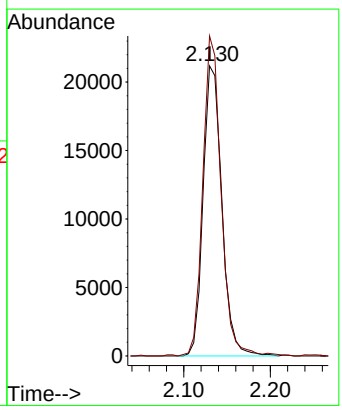
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

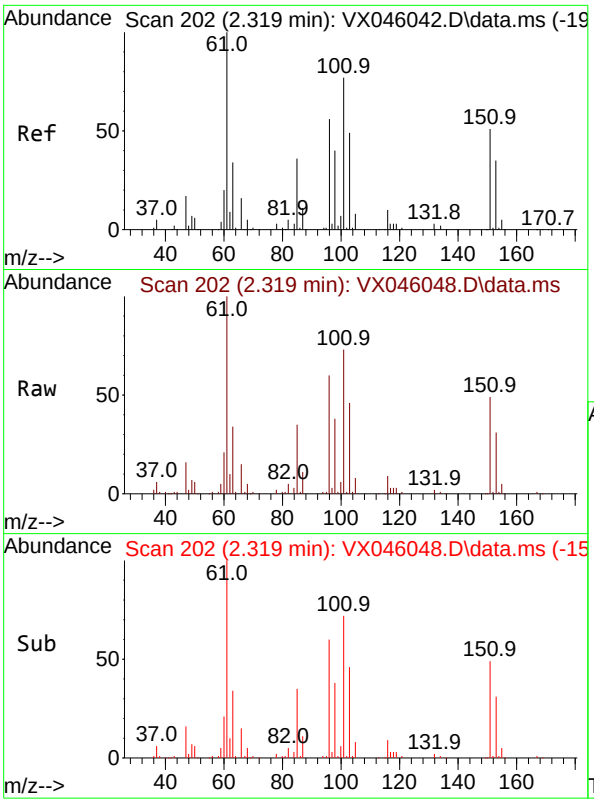



#8
Diethyl Ether
Concen: 49.536 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 74 Resp: 31875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 107.1 | 54.9 | 164.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.822 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

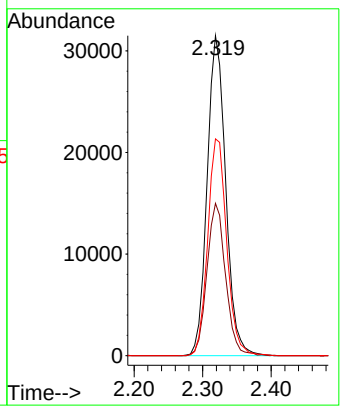
Tgt Ion:101 Resp: 5945

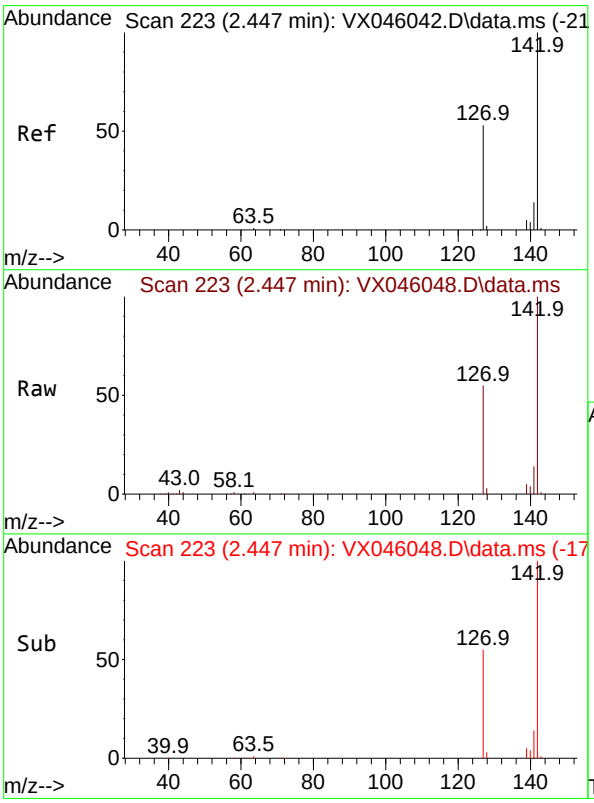
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.8 | 38.6 | 58.0 |
| 151 | 69.4 | 55.2 | 82.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

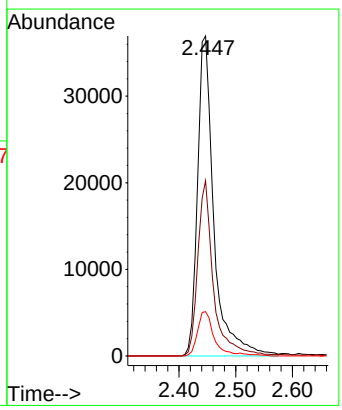


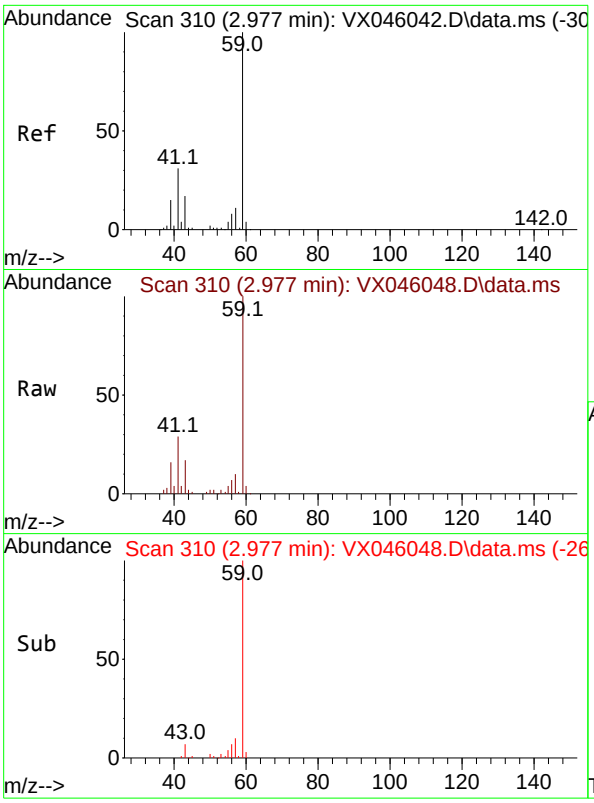




#10
Methyl Iodide
Concen: 53.419 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:142 Resp: 73940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.9 | 41.7 | 62.5 |
| 141 | 14.4 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 252.025 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

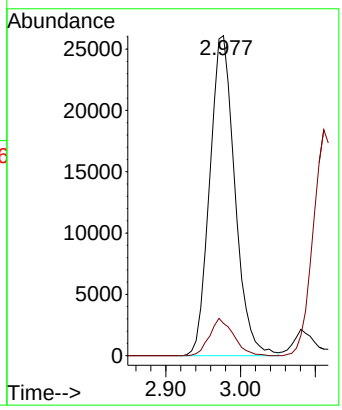
Tgt Ion: 59 Resp: 6106

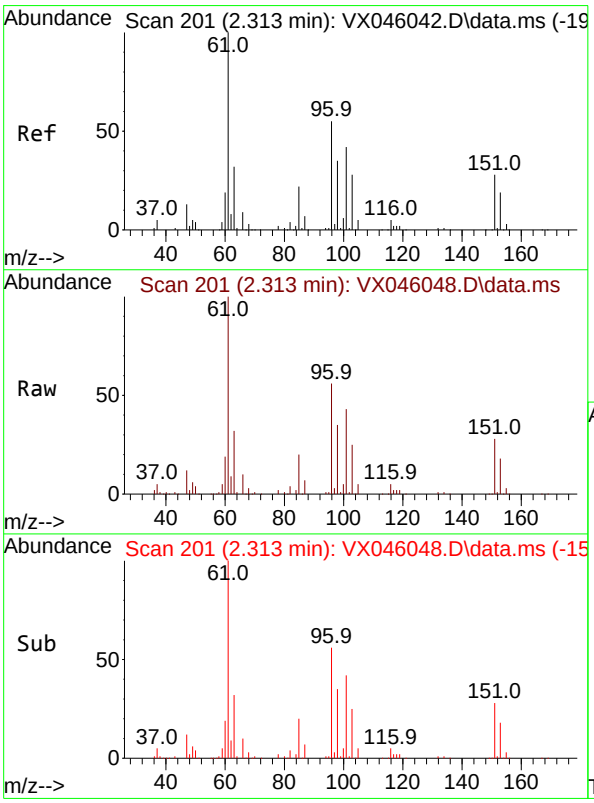
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.1 | 8.6 | 12.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

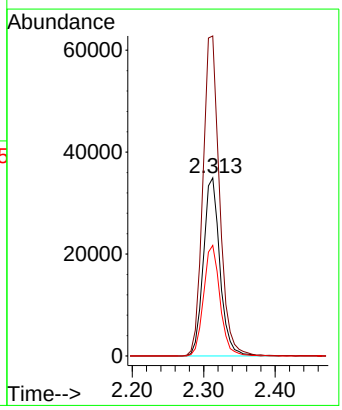


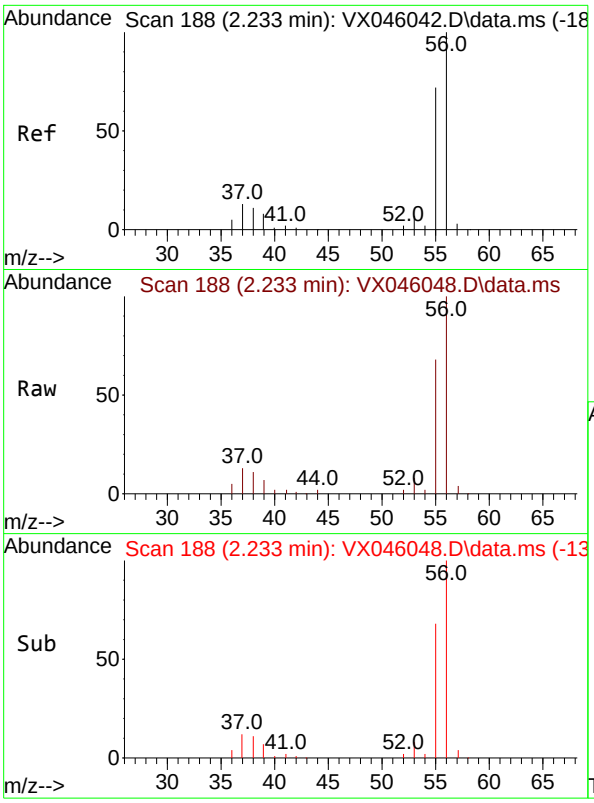




#12
1,1-Dichloroethene
Concen: 51.097 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 96 Resp: 56097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 179.7 | 146.2 | 219.2 |
| 98 | 62.1 | 51.0 | 76.6 |

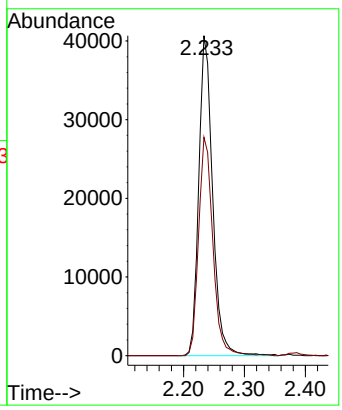





#13
Acrolein
Concen: 232.505 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 56 Resp: 6415

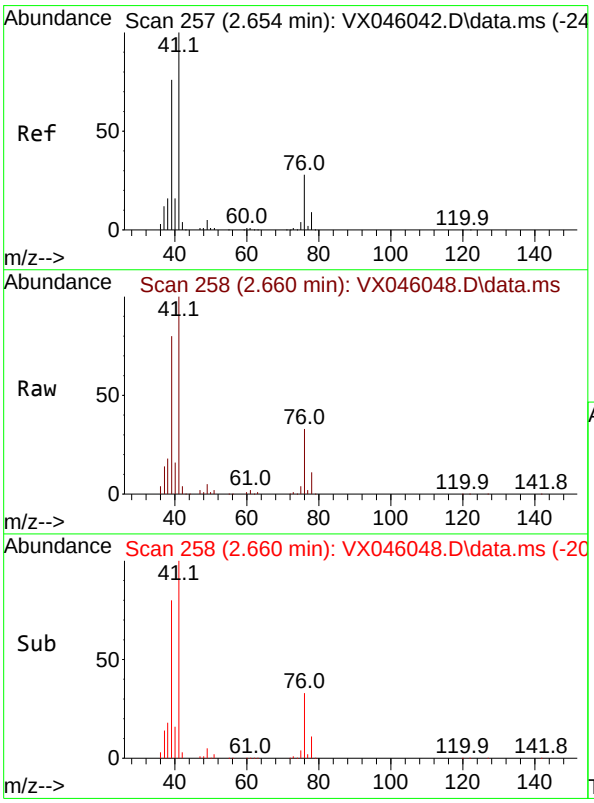
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.8 | 56.2 | 84.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

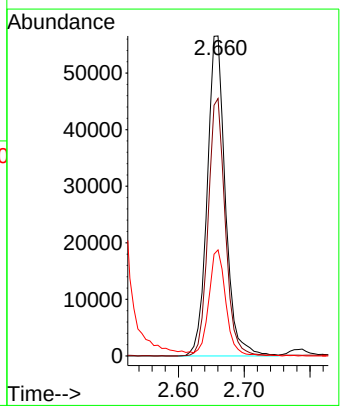
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

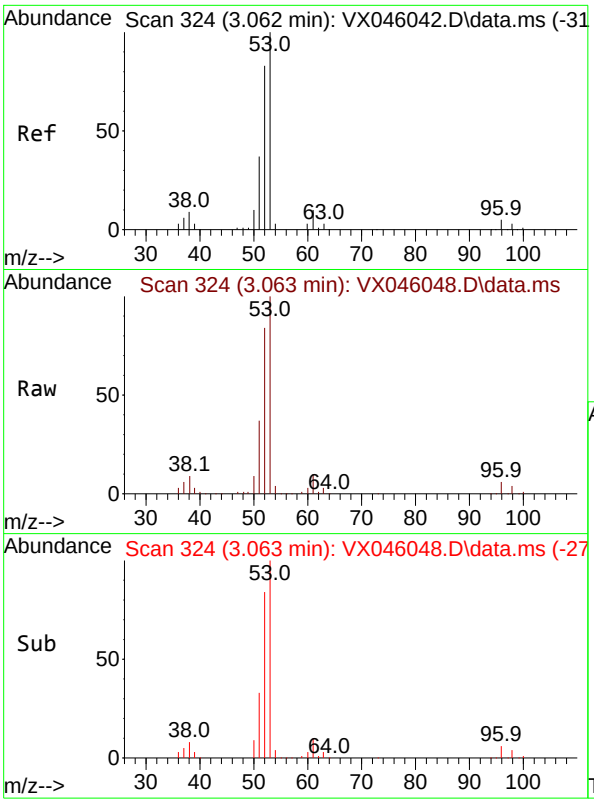



#14
Allyl chloride
Concen: 51.833 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 108757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.6 | 60.6 | 90.8 |
| 76 | 31.1 | 24.9 | 37.3 |

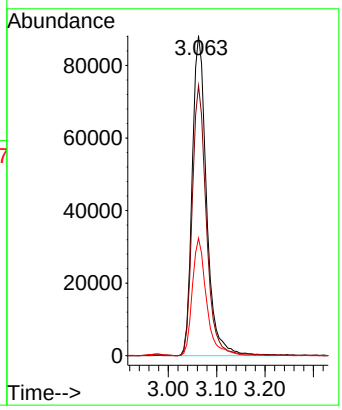





#15
Acrylonitrile
Concen: 262.412 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 53 Resp: 18180

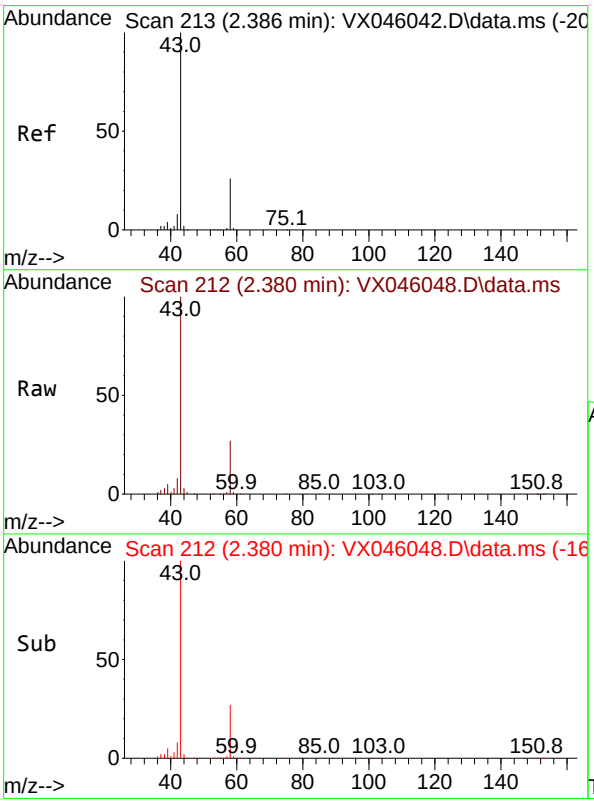
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.9 | 65.3 | 97.9 |
| 51 | 36.5 | 29.8 | 44.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

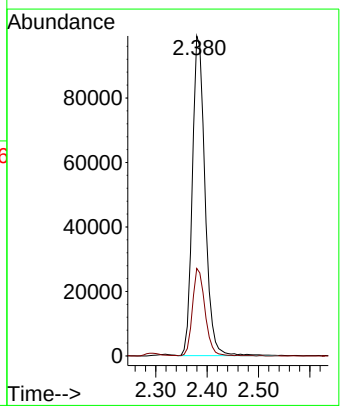
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

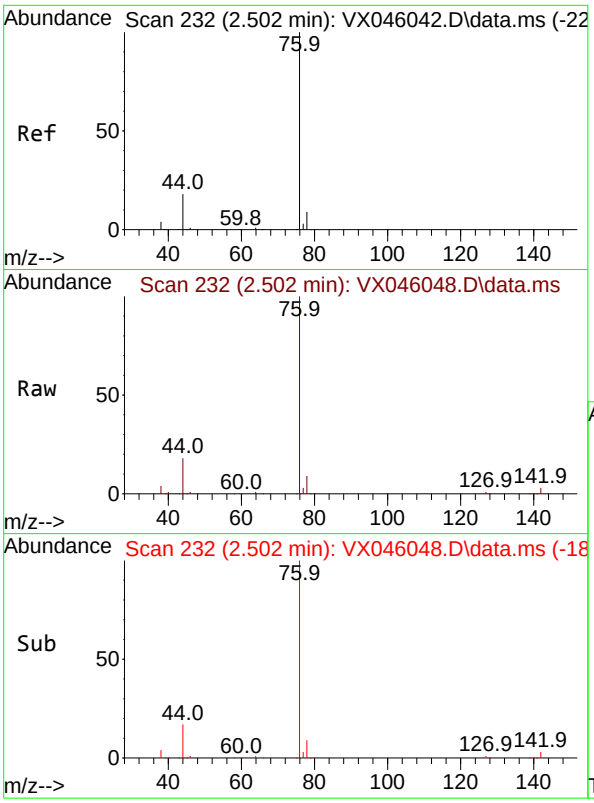



#16
Acetone
Concen: 245.518 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 169923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.3 | 21.2 | 31.8 |

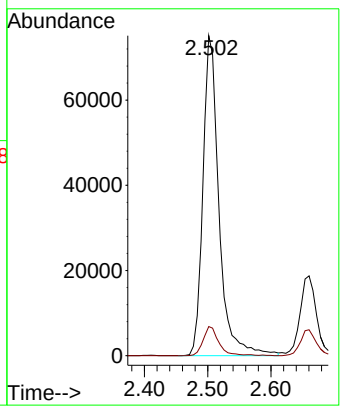





#17
Carbon Disulfide
Concen: 50.981 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 76 Resp: 13269

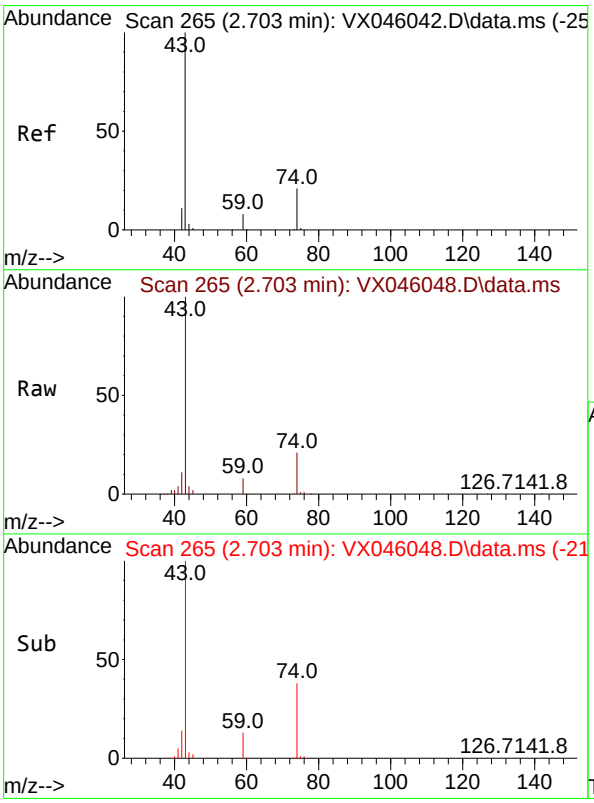
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.0 | 10.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

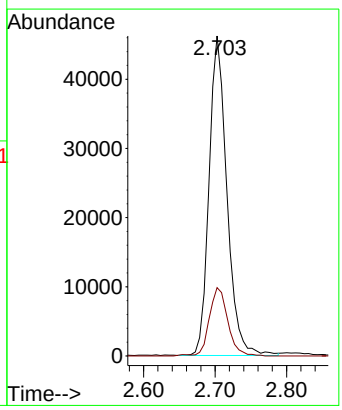
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

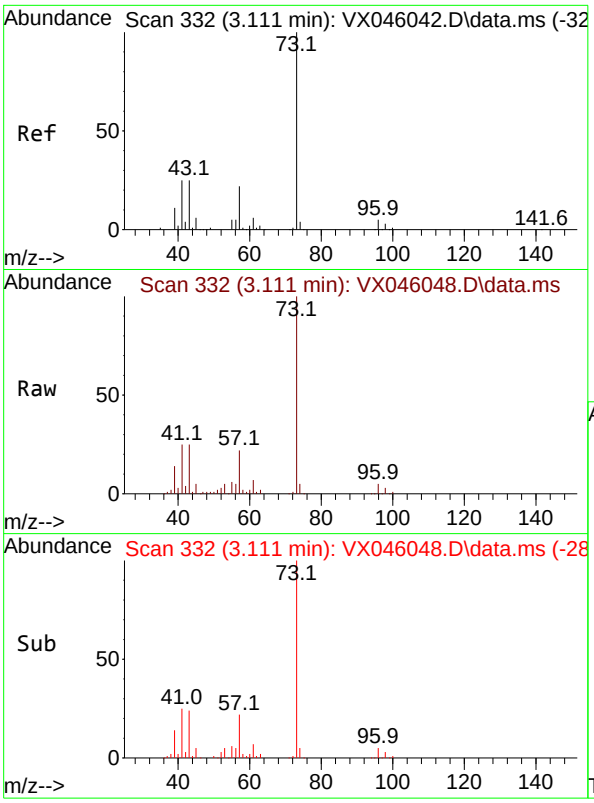



#18
Methyl Acetate
Concen: 49.968 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 80251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.1 | 16.7 | 25.1 |






#19
Methyl tert-butyl Ether
Concen: 50.777 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

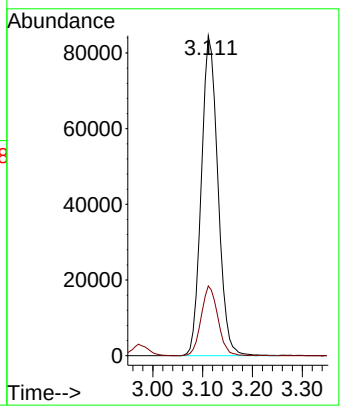
Tgt Ion: 73 Resp: 19544

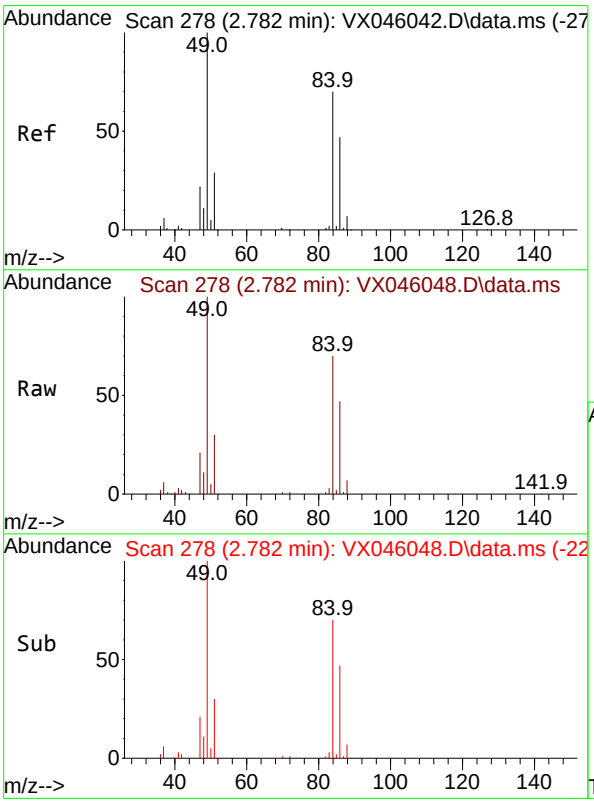
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.8 | 17.7 | 26.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

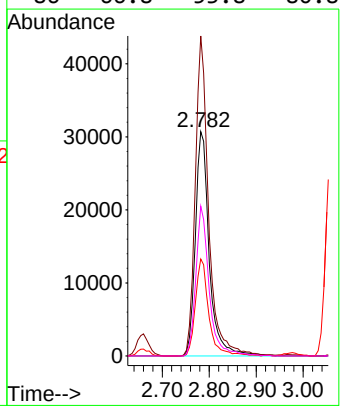


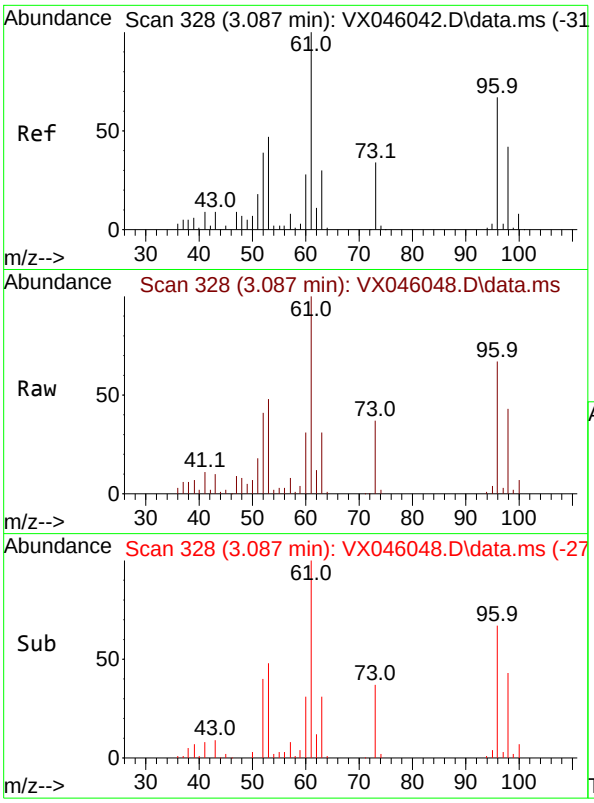




#20
Methylene Chloride
Concen: 47.779 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 84 Resp: 63369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 142.7 | 113.9 | 170.9 |
| 51 | 43.3 | 33.5 | 50.3 |
| 86 | 66.8 | 53.8 | 80.8 |

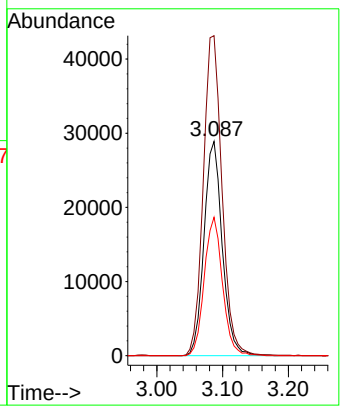





#21
trans-1,2-Dichloroethene
Concen: 50.513 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 96 Resp: 5577

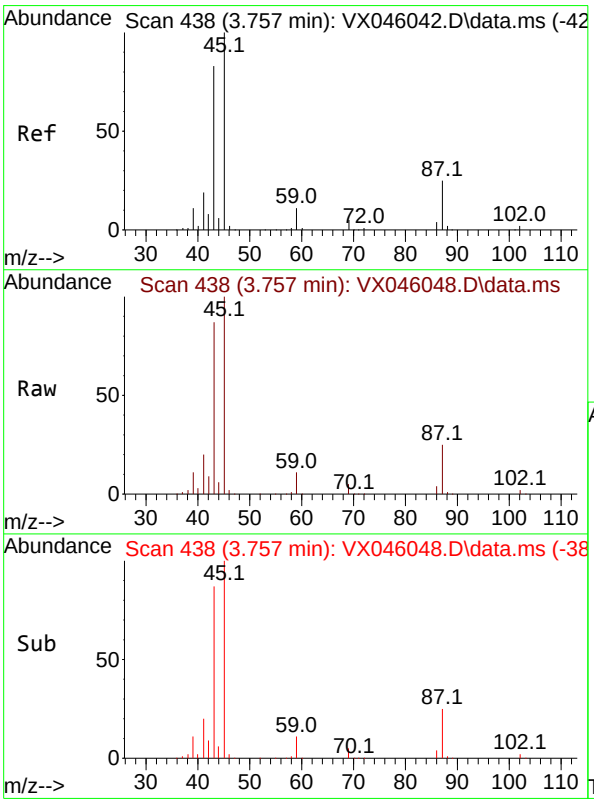
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.3 | 119.5 | 179.3 |
| 98 | 64.6 | 50.0 | 75.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

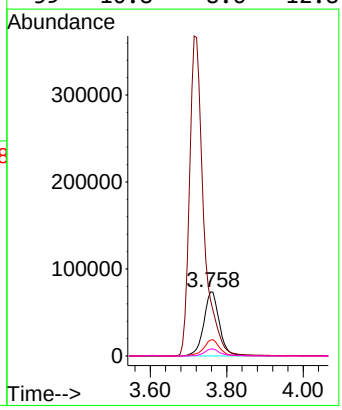
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

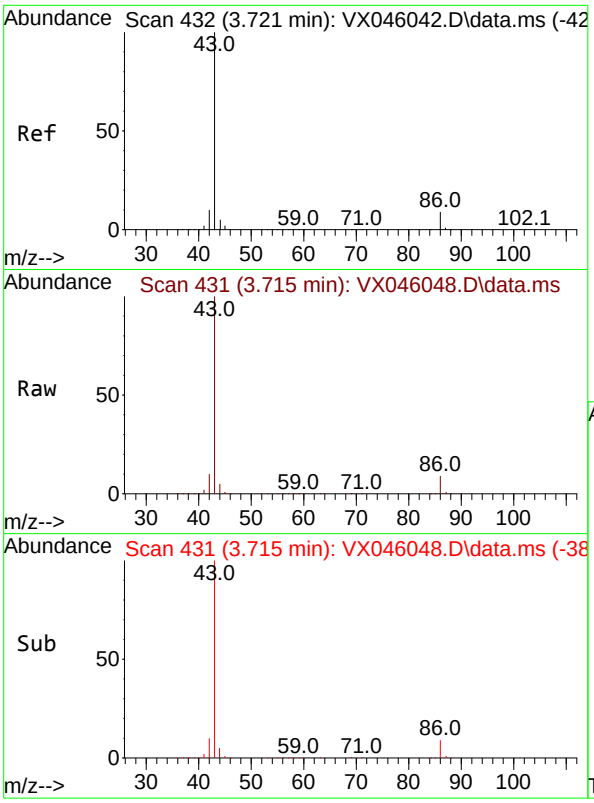



#22
Diisopropyl ether
Concen: 51.800 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 45 Resp: 209946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 86.9 | 66.6 | 100.0 |
| 87 | 24.8 | 19.8 | 29.6 |
| 59 | 10.8 | 8.6 | 12.8 |






#23
Vinyl Acetate
Concen: 265.585 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

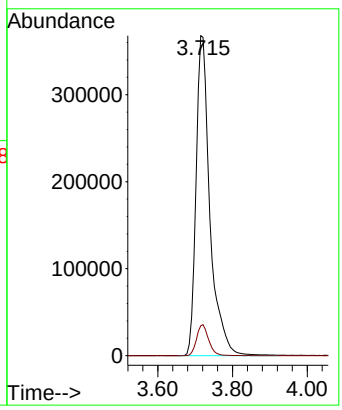
Tgt Ion: 43 Resp: 94674

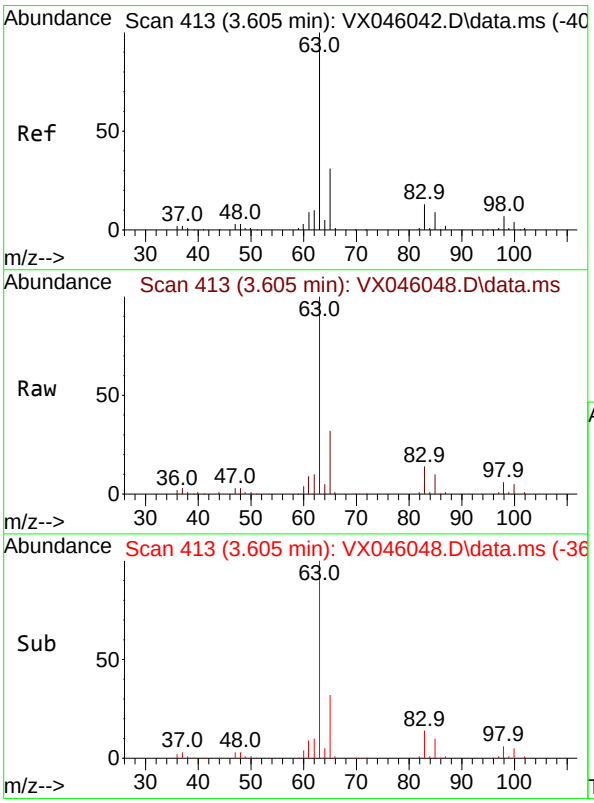
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.4 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

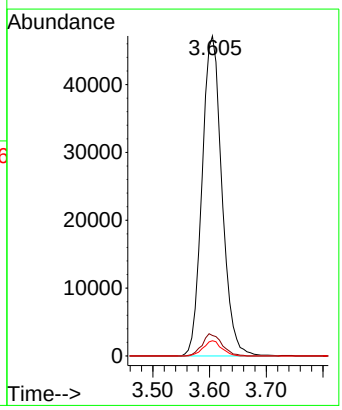


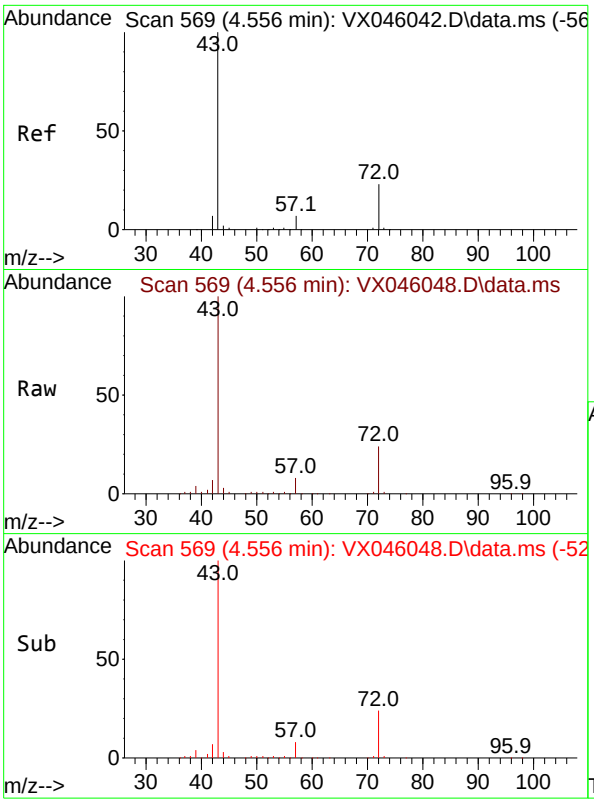




#24
1,1-Dichloroethane
Concen: 50.825 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 114733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.4 | 3.6 | 10.8 |
| 100 | 4.8 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 257.110 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

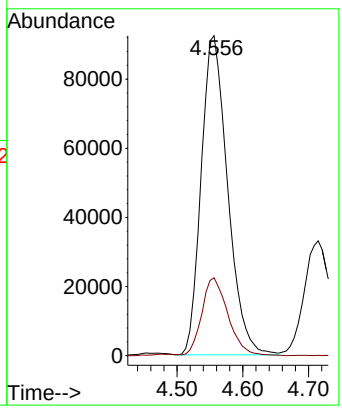
Tgt Ion: 43 Resp: 25833

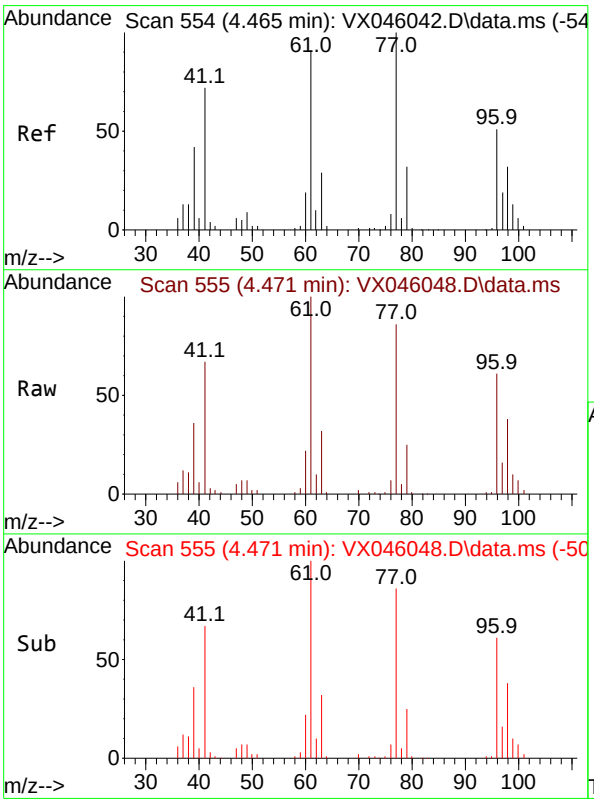
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.3 | 18.4 | 27.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

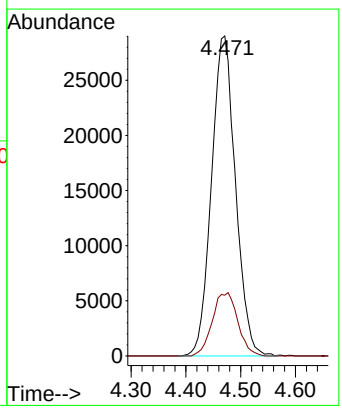


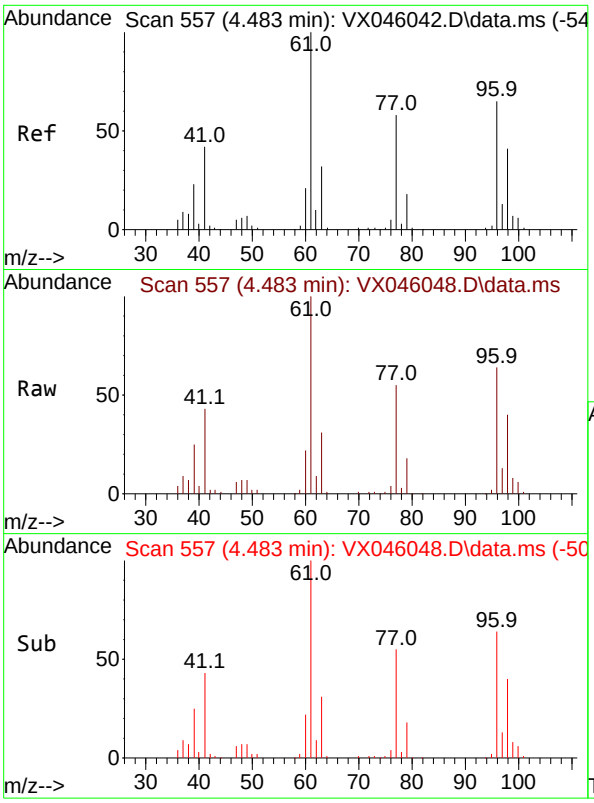




#26
2,2-Dichloropropane
Concen: 49.934 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 77 Resp: 88229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.0 | 10.5 | 31.5 |






#27
cis-1,2-Dichloroethene
Concen: 50.956 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

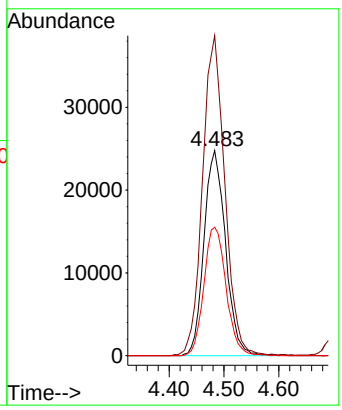
Tgt Ion: 96 Resp: 6772

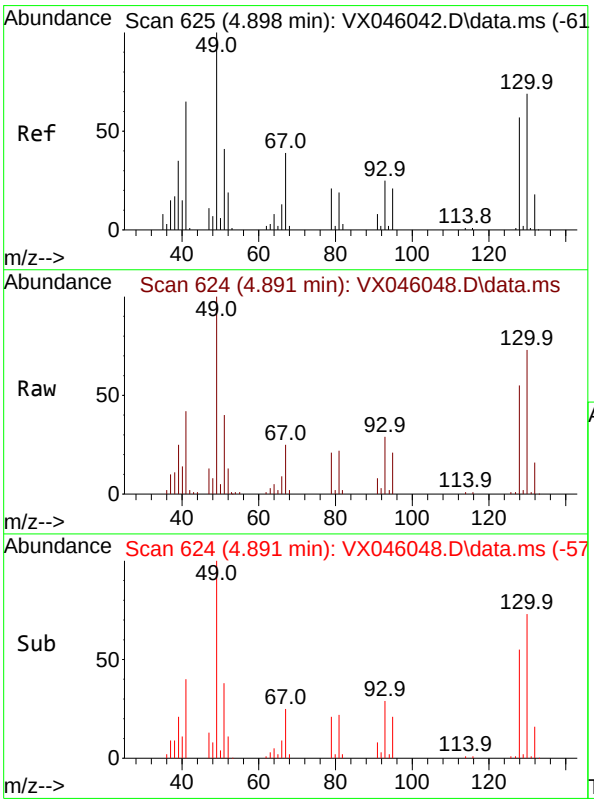
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.7 | 0.0 | 322.8 |
| 98 | 64.4 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

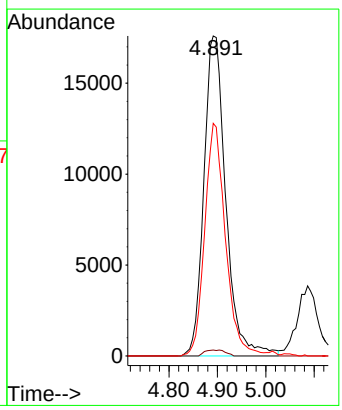


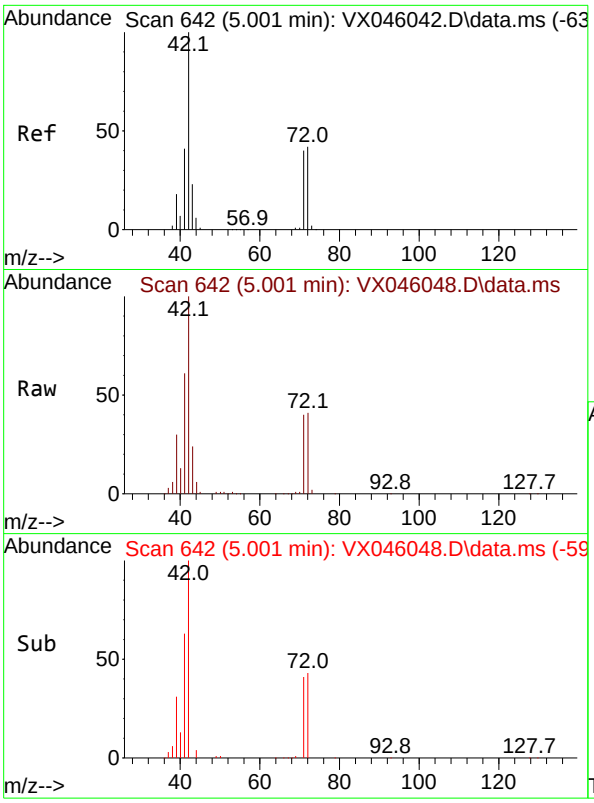




#28
Bromochloromethane
Concen: 50.975 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 49 Resp: 55390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 4.0 |
| 130 | 68.7 | 56.2 | 84.2 |






#29
Tetrahydrofuran
Concen: 259.958 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

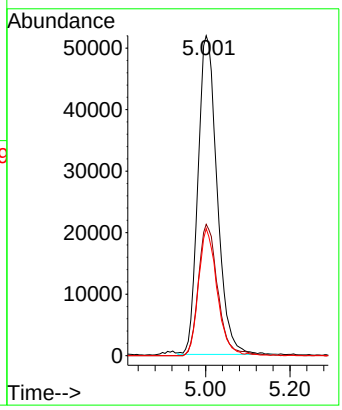
Tgt Ion: 42 Resp: 16367

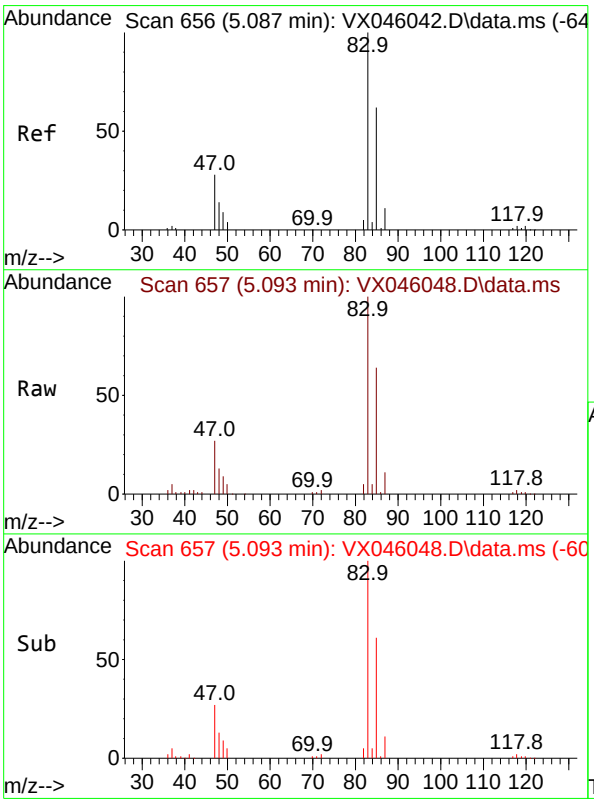
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.0 | 33.7 | 50.5 |
| 71 | 38.5 | 31.4 | 47.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

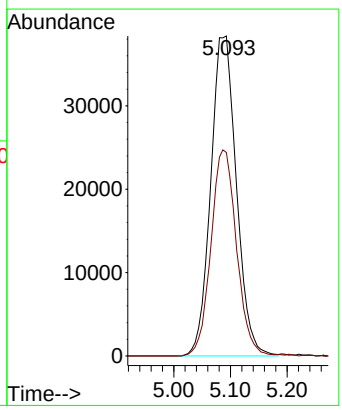


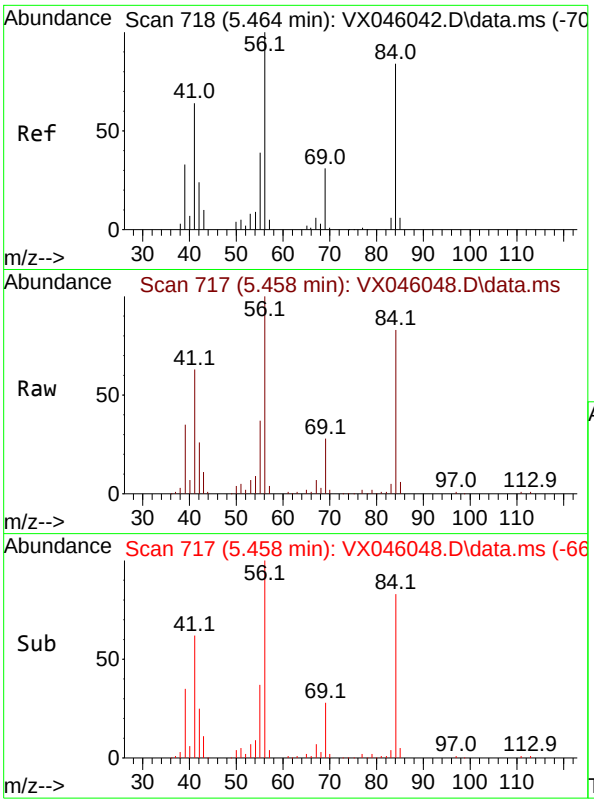




#30
Chloroform
Concen: 51.332 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 120782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.6 | 49.3 | 73.9 |

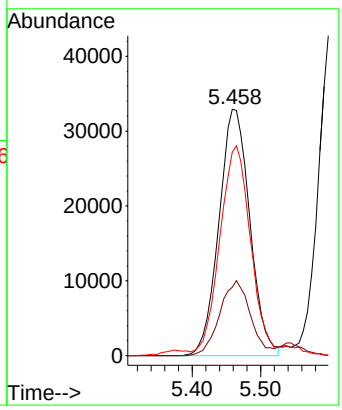





#31
Cyclohexane
Concen: 50.147 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 56 Resp: 10315

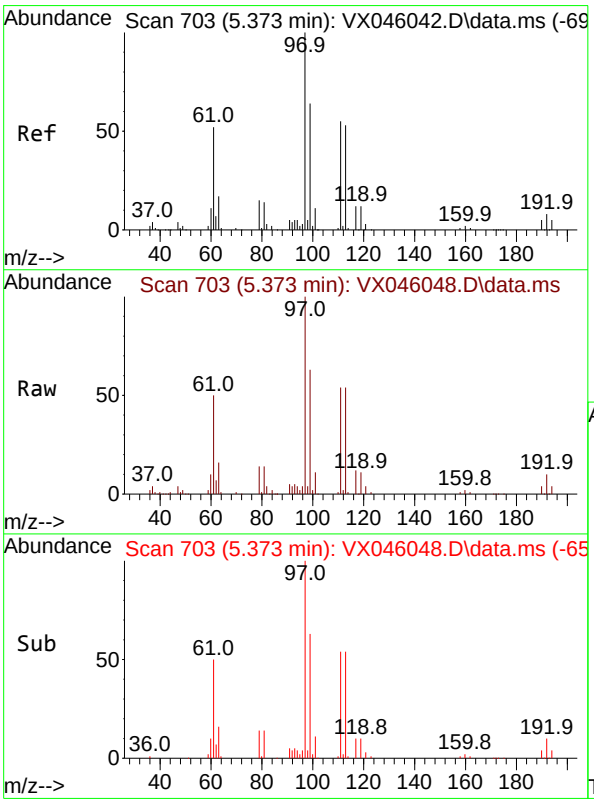
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.8 | 24.4 | 36.6 |
| 84 | 80.5 | 66.9 | 100.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

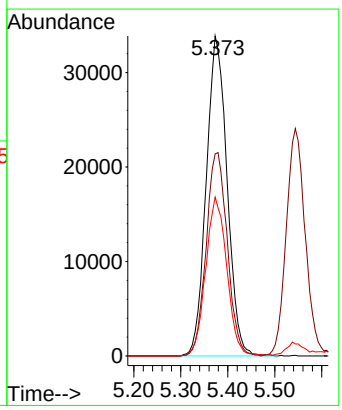
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

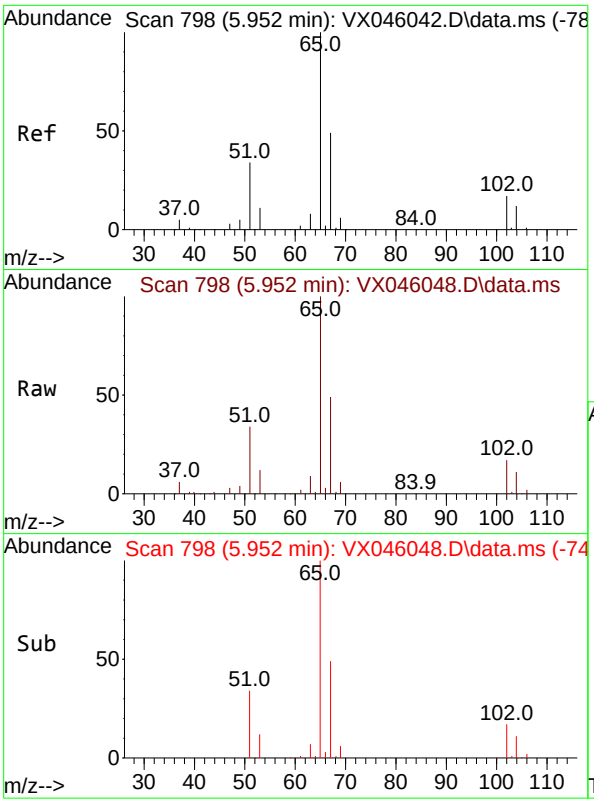



#32
1,1,1-Trichloroethane
Concen: 51.108 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 97 Resp: 104243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 51.8 | 77.6 |
| 61 | 50.2 | 40.1 | 60.1 |

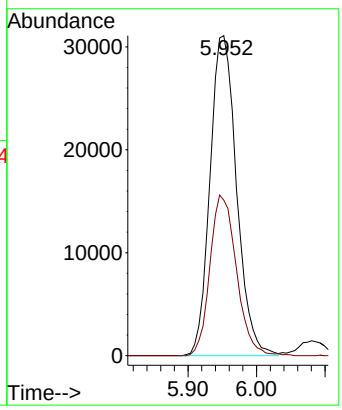





#33
1,2-Dichloroethane-d4
Concen: 48.509 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 65 Resp: 8373

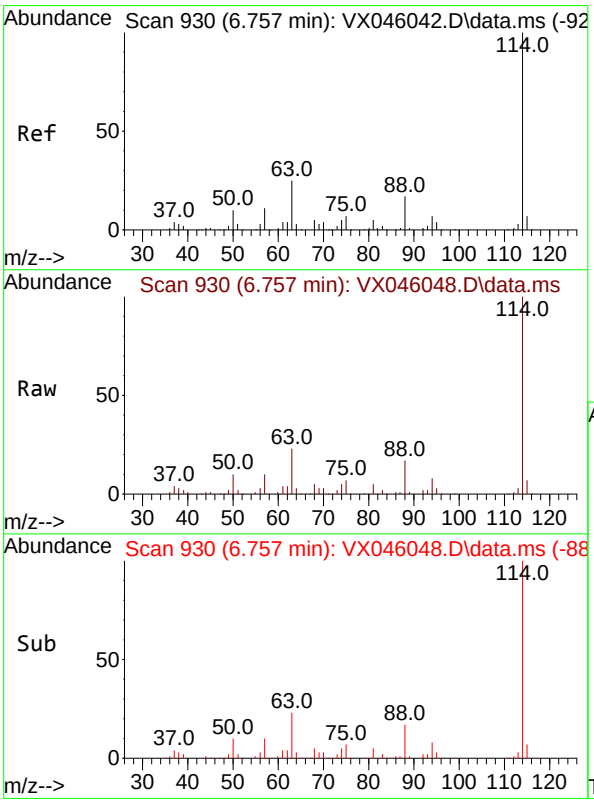
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.0 | 0.0 | 99.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

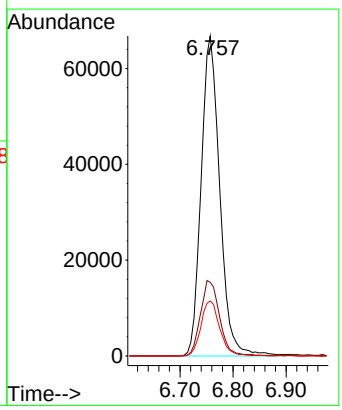
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

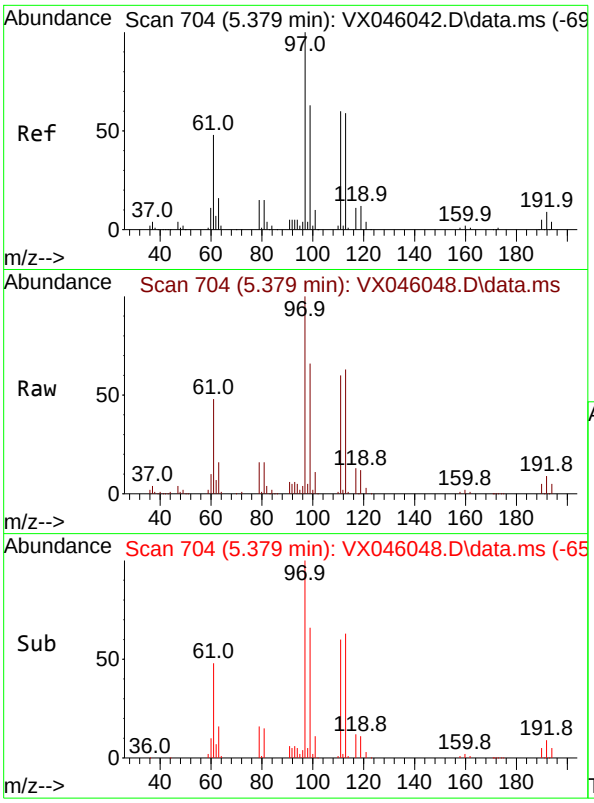



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:114 Resp: 162651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.1 | 0.0 | 49.2 |
| 88 | 17.2 | 0.0 | 33.6 |

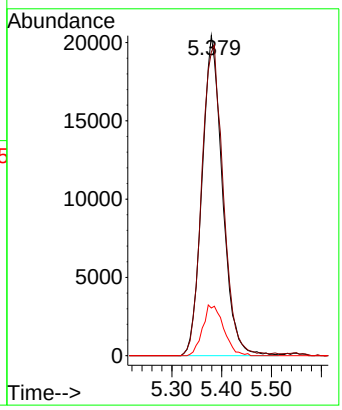





#35
Dibromofluoromethane
Concen: 49.683 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:113 Resp: 5819

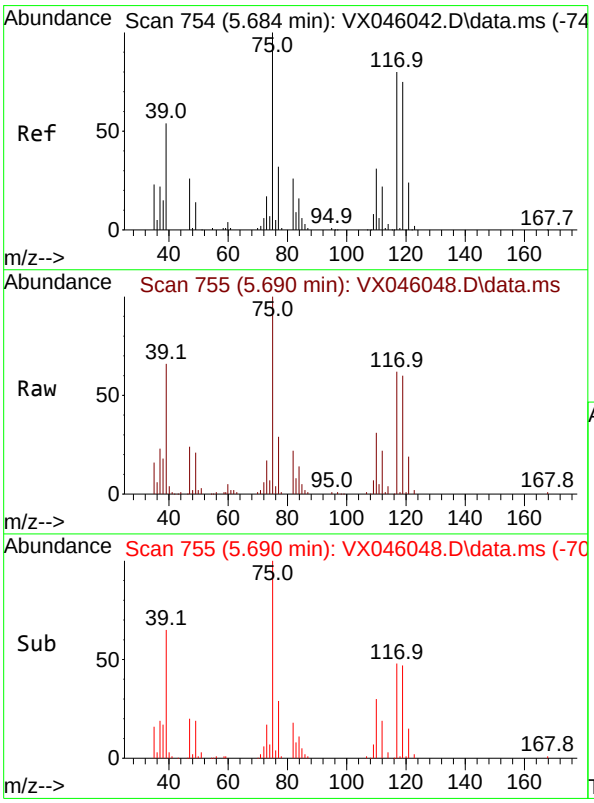
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.1 | 83.1 | 124.7 |
| 192 | 16.2 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

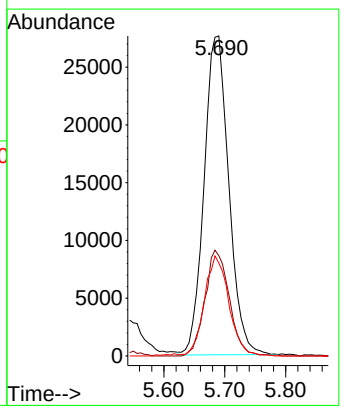
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

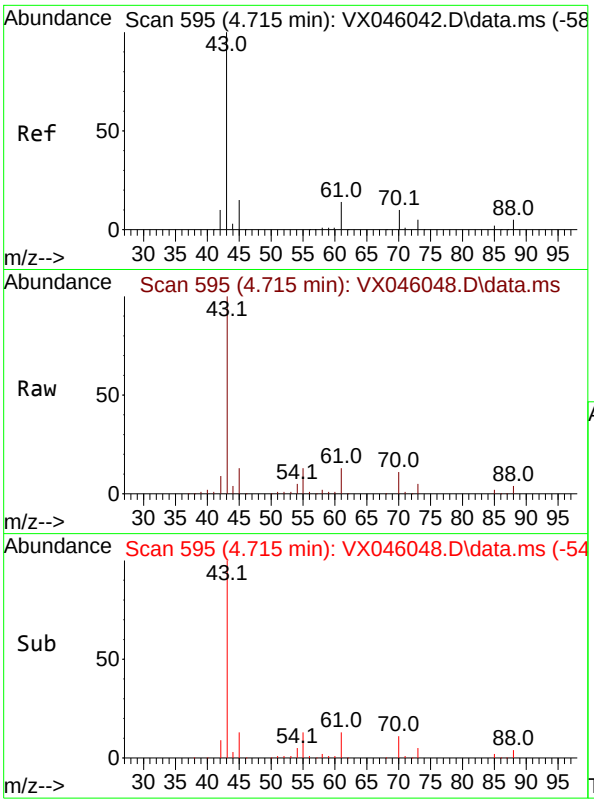



#36
1,1-Dichloropropene
Concen: 49.521 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 77931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.7 | 16.3 | 48.9 |
| 77 | 31.1 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 50.714 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

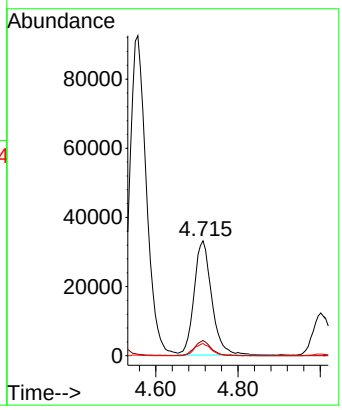
Tgt Ion: 43 Resp: 9860

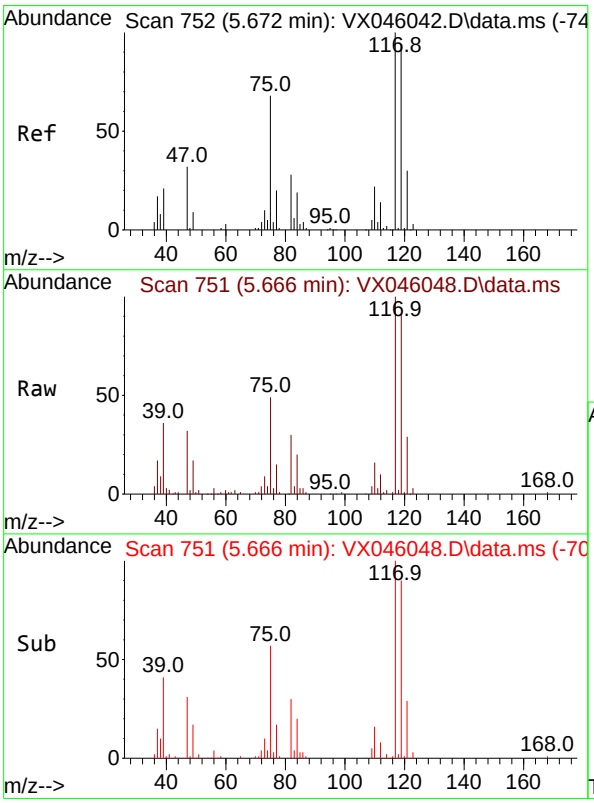
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.6 | 10.3 | 15.5 |
| 70 | 10.0 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

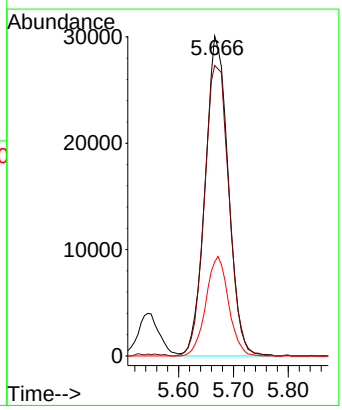


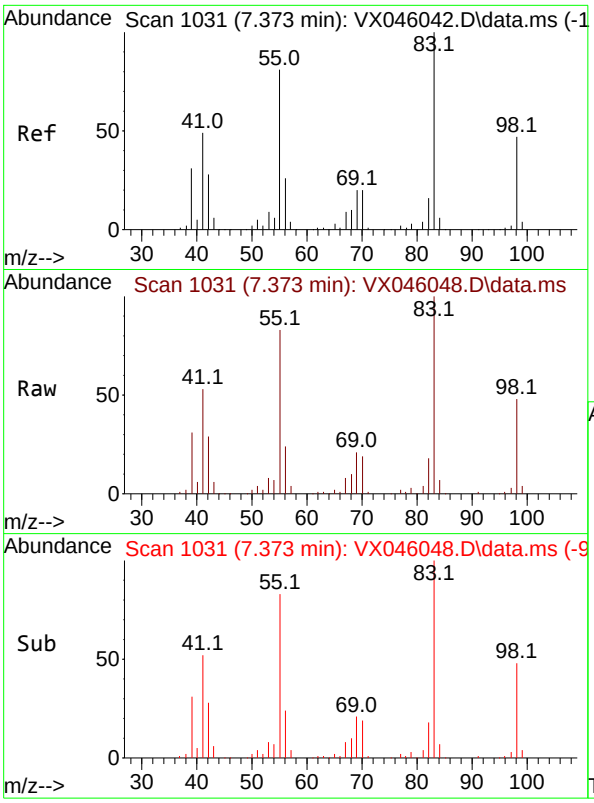




#38
Carbon Tetrachloride
Concen: 49.825 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 88100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.7 | 75.2 | 112.8 |
| 121 | 29.4 | 24.2 | 36.4 |






#39
Methylcyclohexane
Concen: 49.757 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

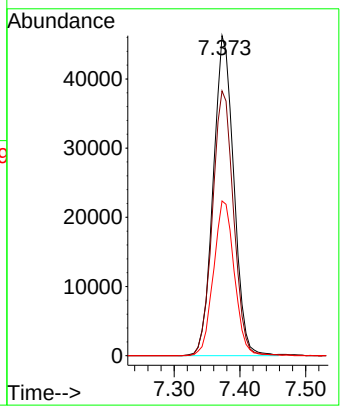
Tgt Ion: 83 Resp: 10080

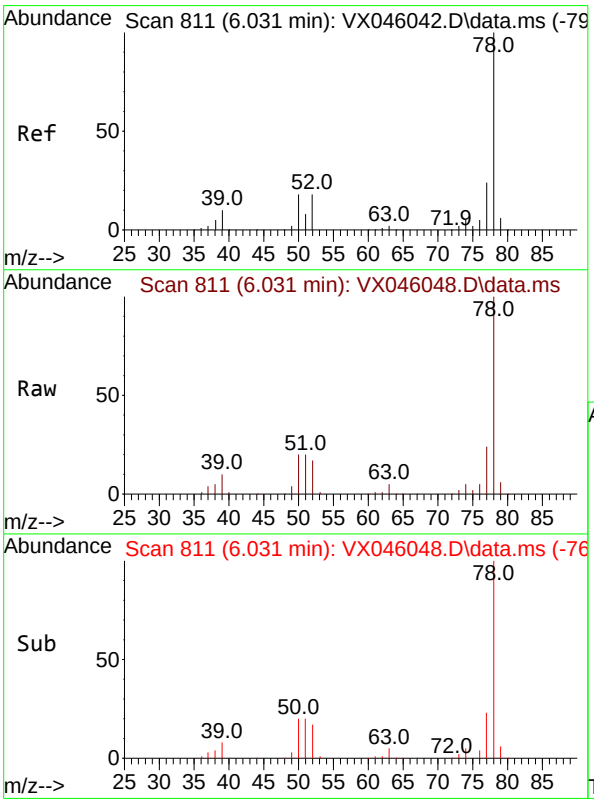
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 82.7 | 64.7 | 97.1 |
| 98 | 48.3 | 37.4 | 56.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

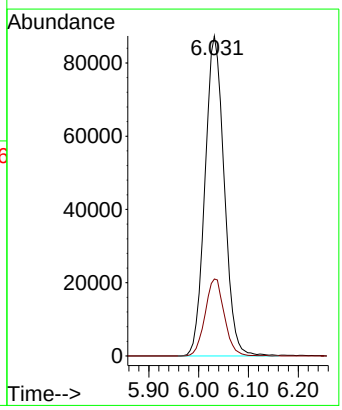


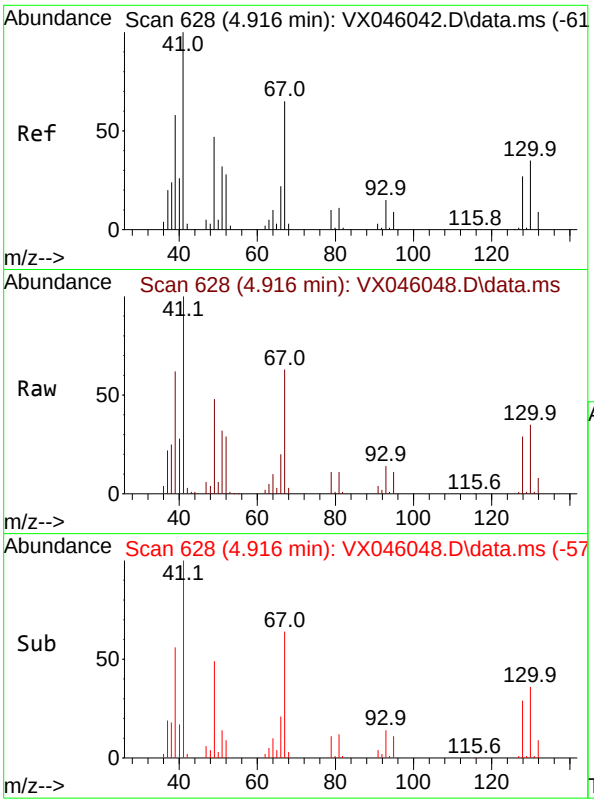




#40
Benzene
Concen: 50.759 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 78 Resp: 233977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.0 | 28.4 |

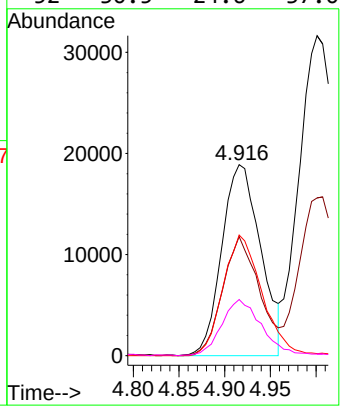





#41
Methacrylonitrile
Concen: 55.076 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 5601

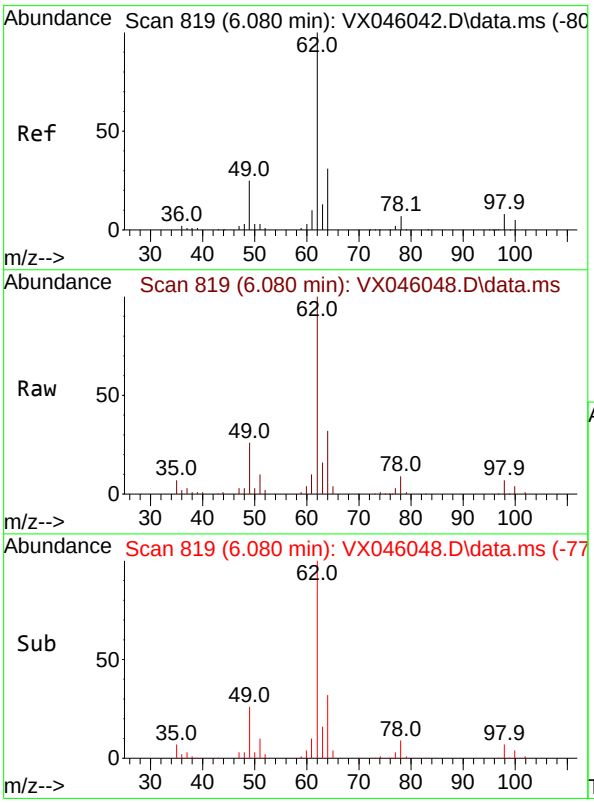
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.7 | 47.2 | 70.8 |
| 67 | 63.7 | 50.7 | 76.1 |
| 52 | 30.5 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

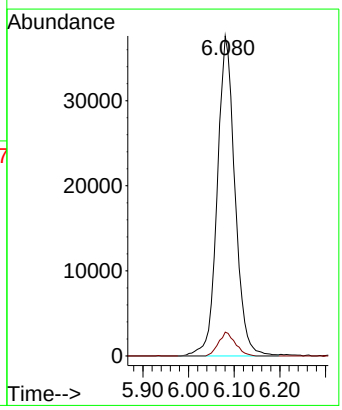
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

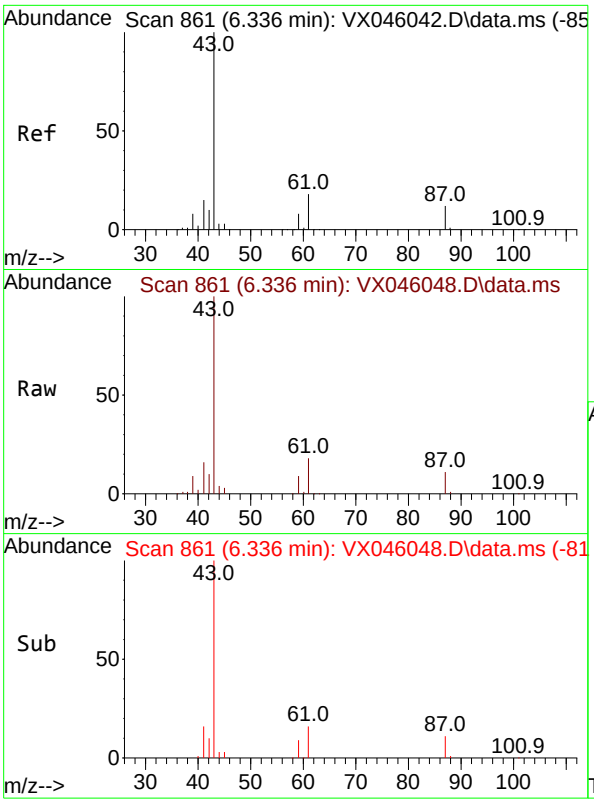



#42
1,2-Dichloroethane
Concen: 50.861 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 101185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.1 | 0.0 | 15.2 |






#43
Isopropyl Acetate
Concen: 52.195 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

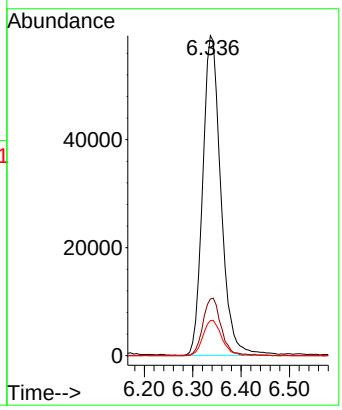
Tgt Ion: 43 Resp: 15481

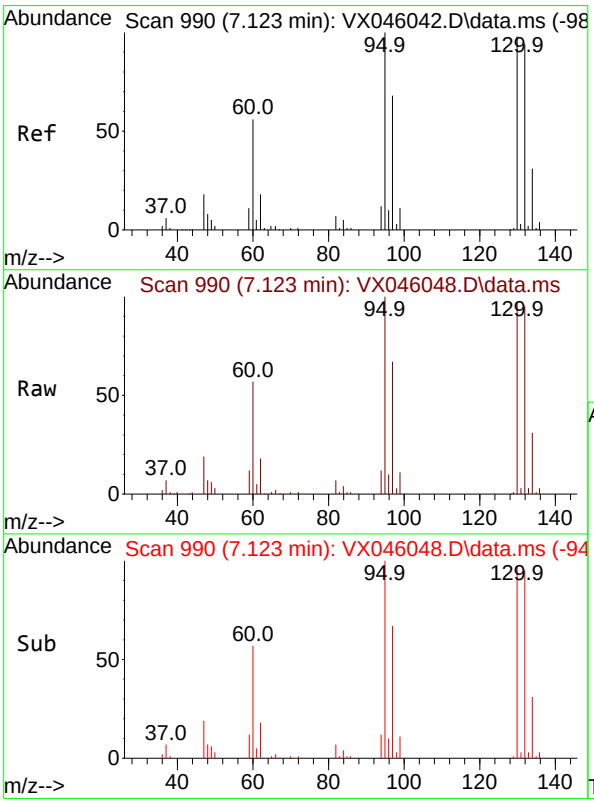
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.9 | 14.3 | 21.5 |
| 87 | 11.4 | 9.5 | 14.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

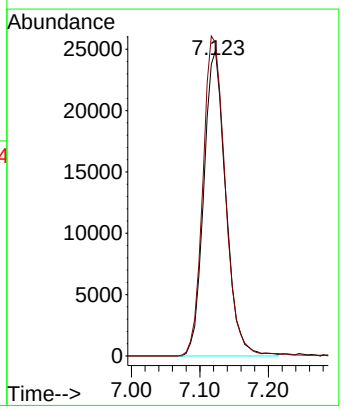


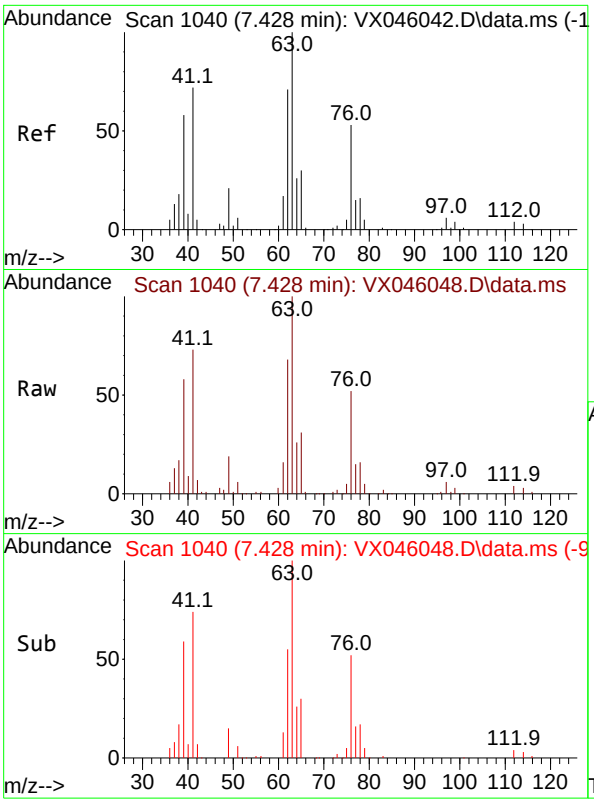




#44
Trichloroethene
Concen: 50.018 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:130 Resp: 55491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.6 | 0.0 | 204.2 |






#45
1,2-Dichloropropane
Concen: 51.983 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

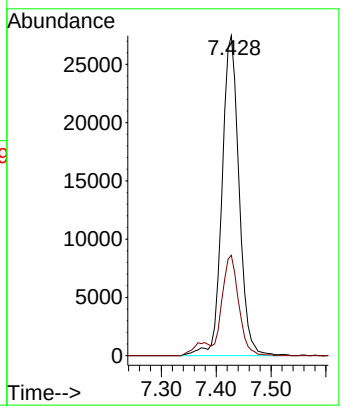
Tgt Ion: 63 Resp: 5958

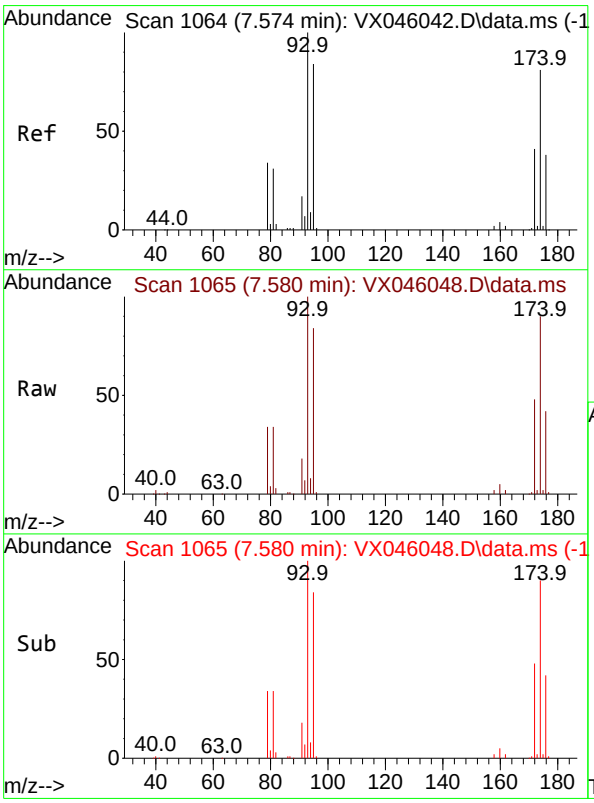
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 24.1 | 36.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

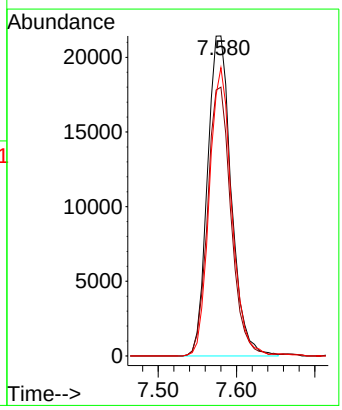


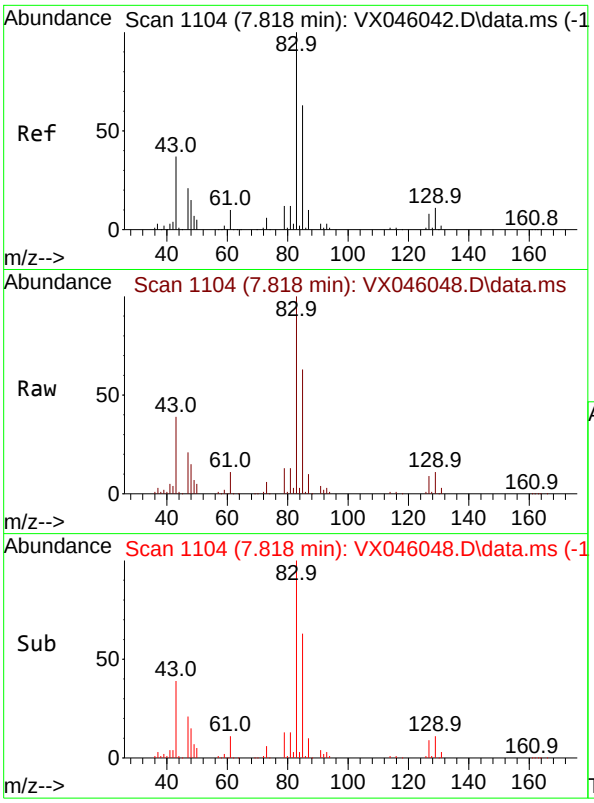




#46
Dibromomethane
Concen: 49.978 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 93 Resp: 45181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 65.6 | 98.4 |
| 174 | 84.8 | 68.2 | 102.2 |

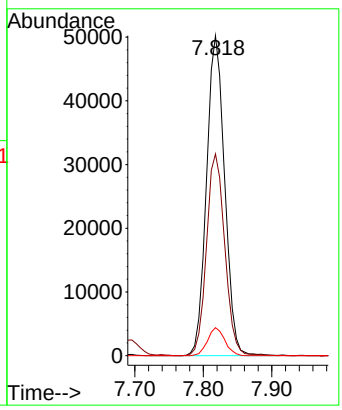





#47
Bromodichloromethane
Concen: 51.889 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 9238

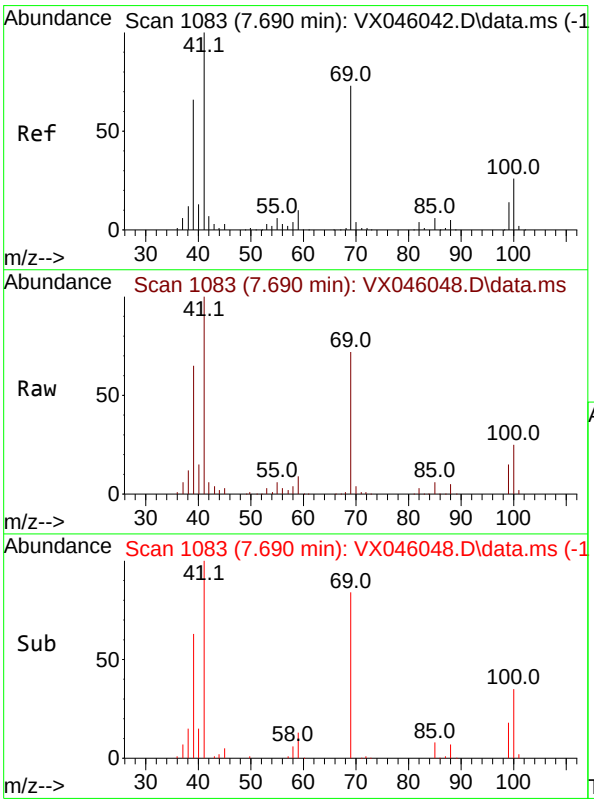
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.0 | 50.5 | 75.7 |
| 127 | 8.8 | 6.5 | 9.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

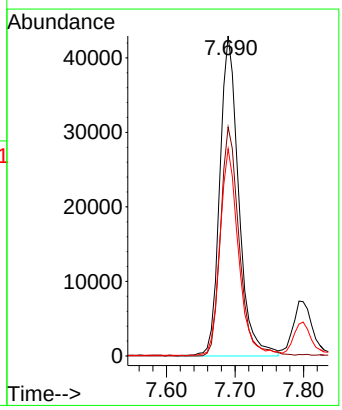
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

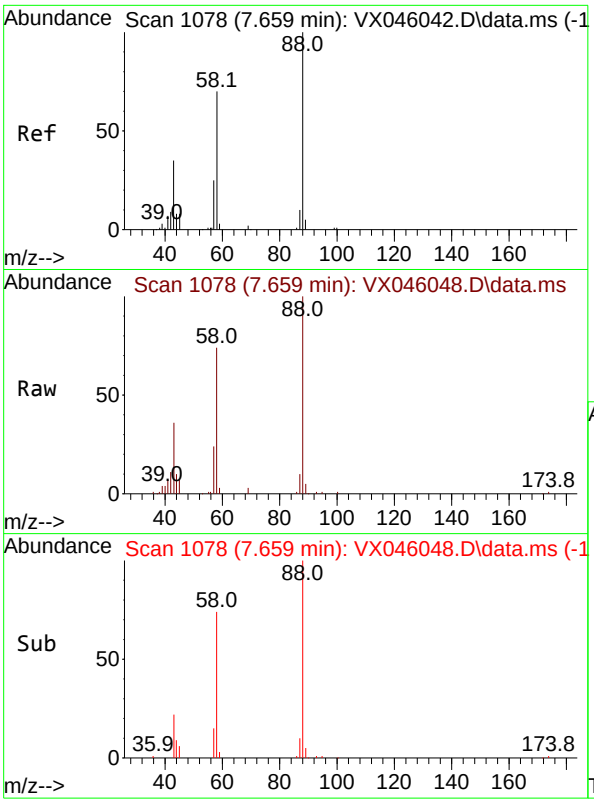



#48
Methyl methacrylate
Concen: 54.226 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 82144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 70.4 | 58.5 | 87.7 |
| 39 | 64.2 | 51.7 | 77.5 |

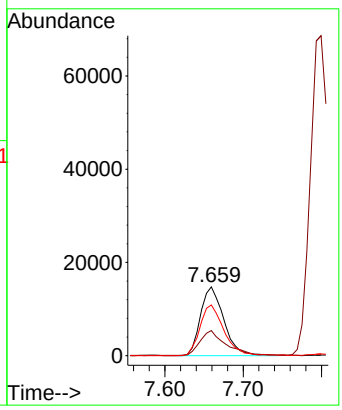





#49
1,4-Dioxane
Concen: 1059.599 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 88 Resp: 3047

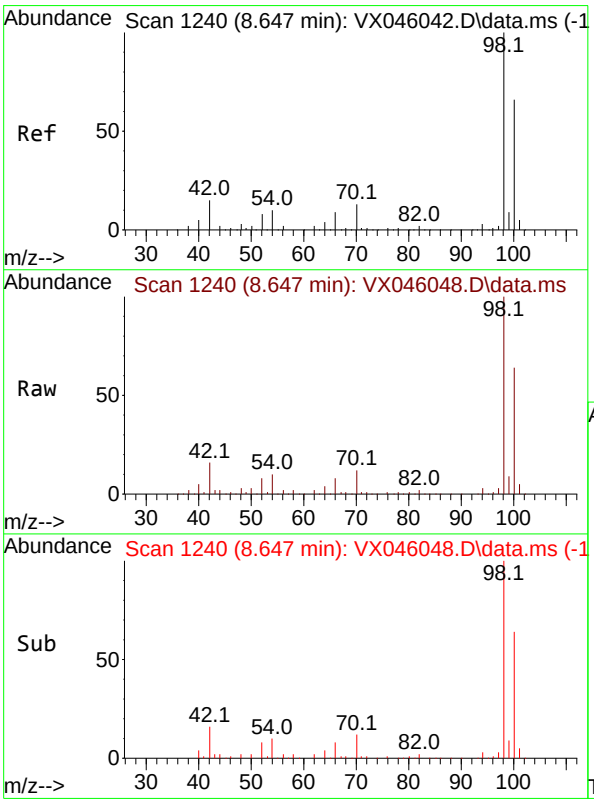
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.9 | 33.4 | 50.2 |
| 58 | 76.2 | 58.6 | 88.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

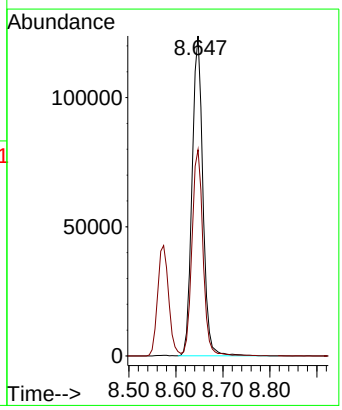
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

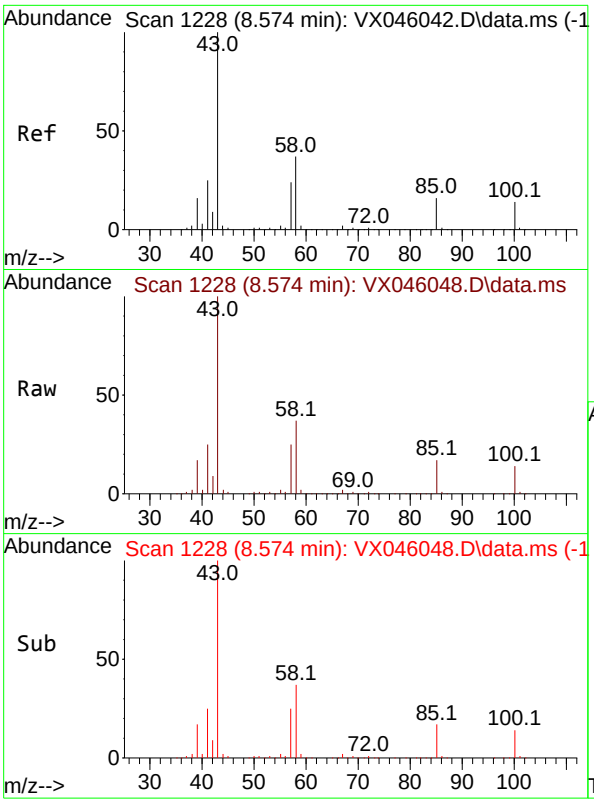



#50
Toluene-d8
Concen: 48.984 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 98 Resp: 198575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.6 | 53.5 | 80.3 |






#51
4-Methyl-2-Pentanone
Concen: 259.133 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

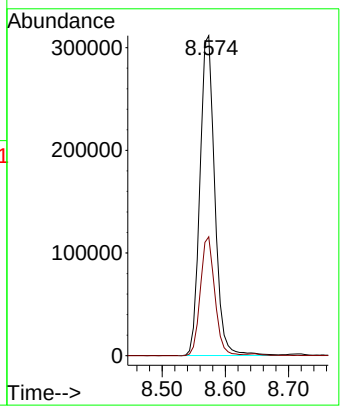
Tgt Ion: 43 Resp: 51020

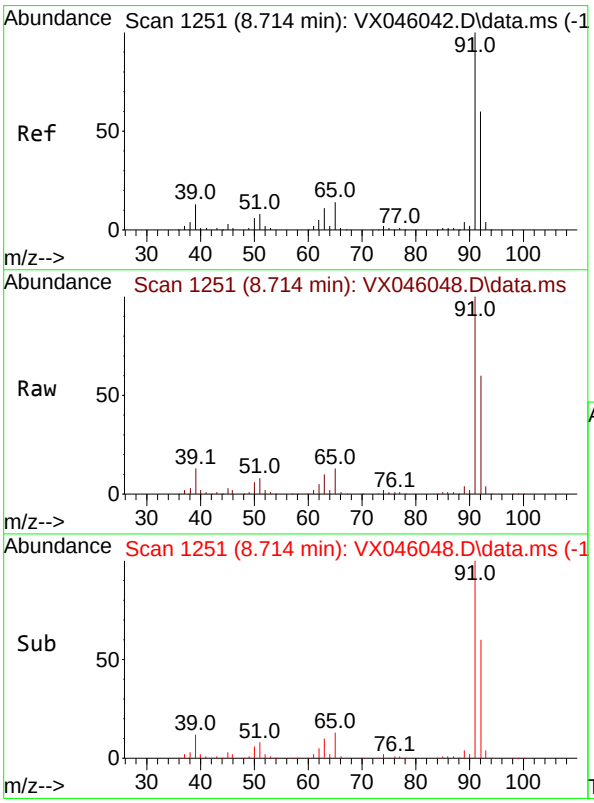
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.1 | 28.9 | 43.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

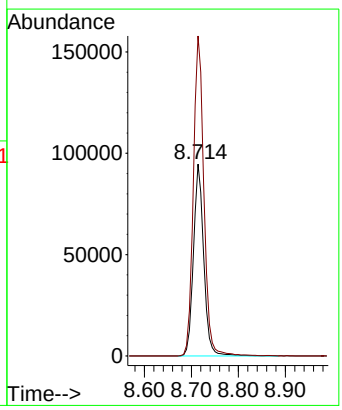


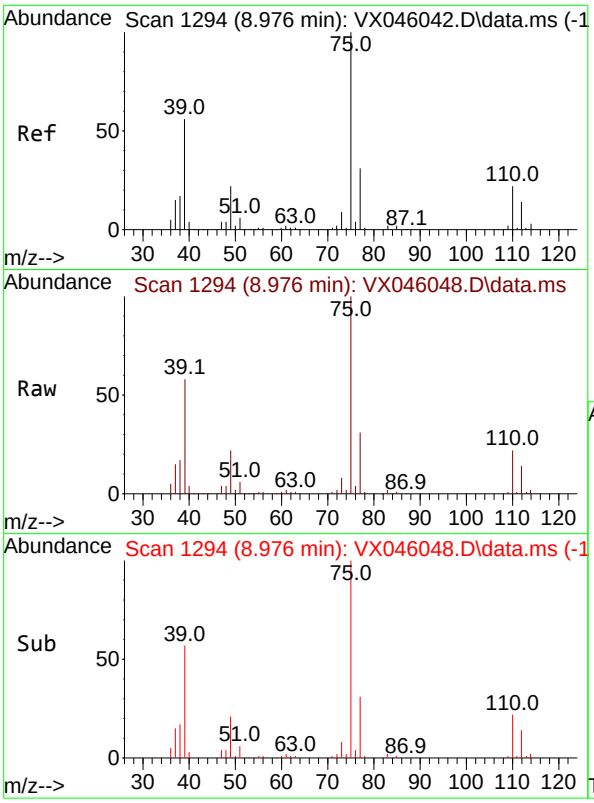




#52
Toluene
Concen: 51.150 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 92 Resp: 144574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.4 | 136.6 | 205.0 |

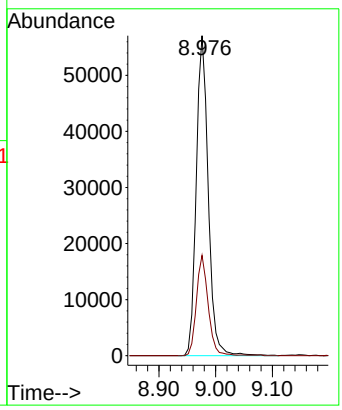





#53
t-1,3-Dichloropropene
Concen: 52.920 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 8375

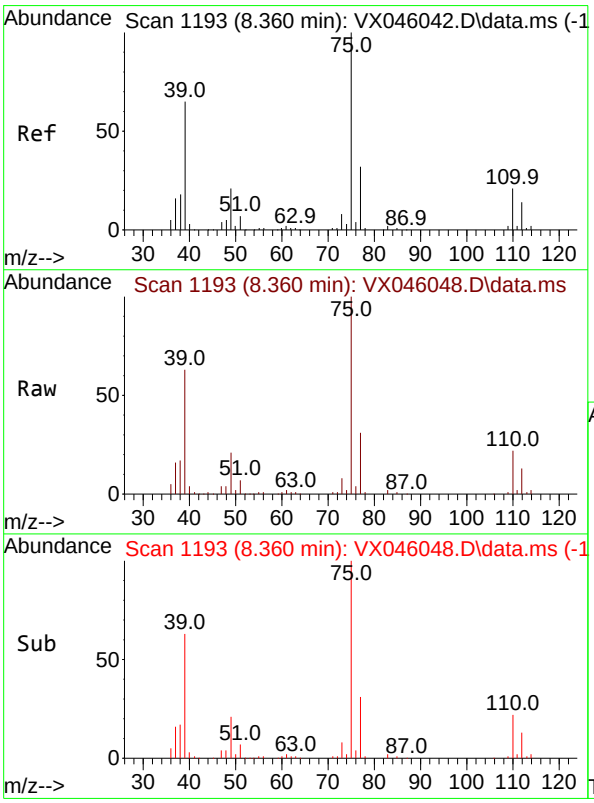
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

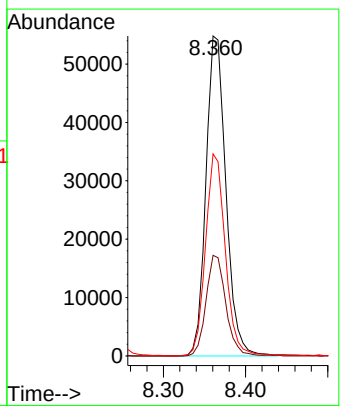
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

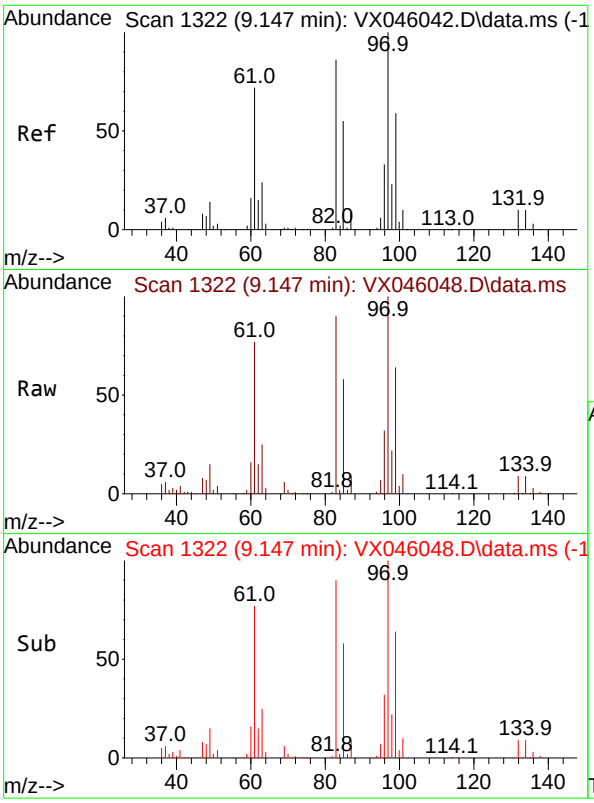



#54
cis-1,3-Dichloropropene
Concen: 52.892 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 92517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.4 | 38.0 |
| 39 | 63.2 | 52.2 | 78.4 |

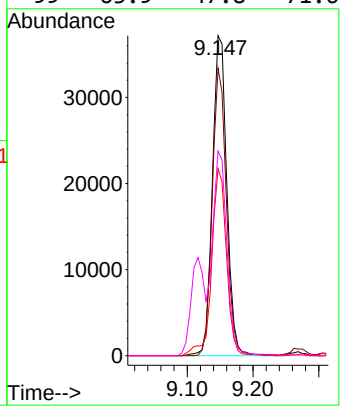





#55
1,1,2-Trichloroethane
Concen: 50.887 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 97 Resp: 5671

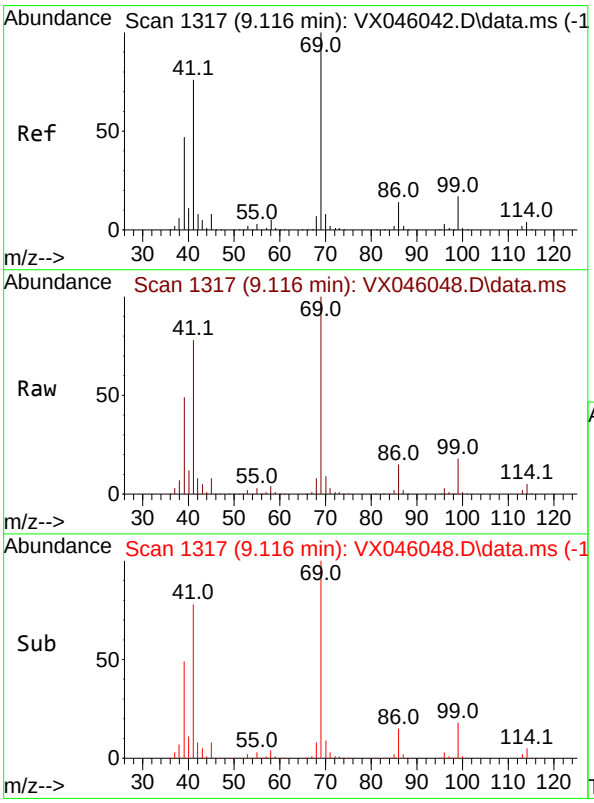
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.8 | 69.0 | 103.6 |
| 85 | 58.4 | 44.3 | 66.5 |
| 99 | 63.9 | 47.8 | 71.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

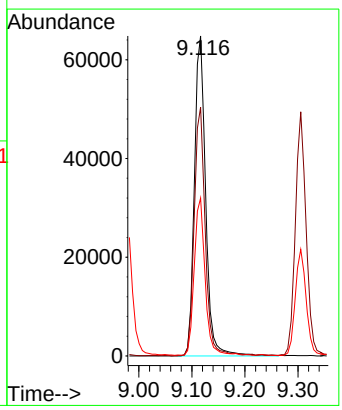
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

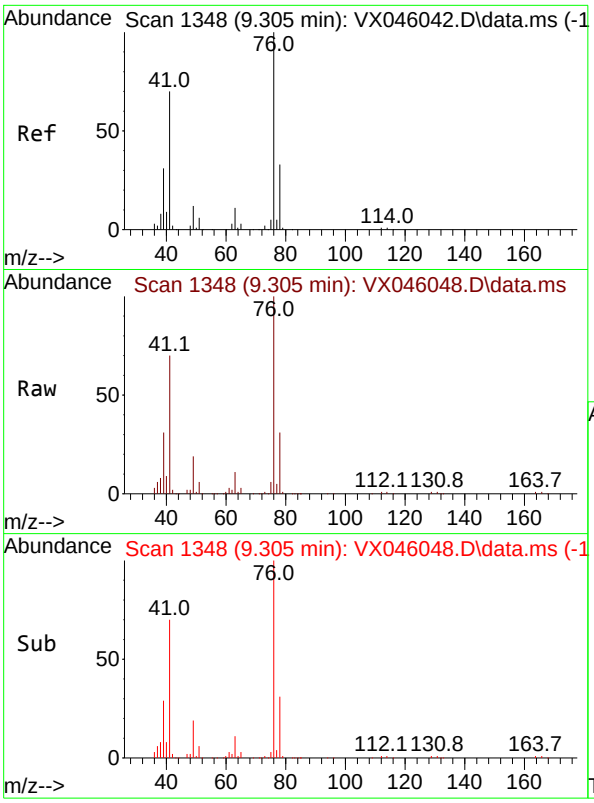



#56
Ethyl methacrylate
Concen: 53.918 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 69 Resp: 95772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 76.1 | 60.8 | 91.2 |
| 39 | 47.4 | 39.0 | 58.6 |






#57
1,3-Dichloropropane
Concen: 49.793 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

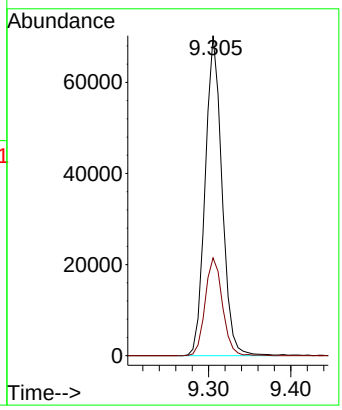
Tgt Ion: 76 Resp: 9966

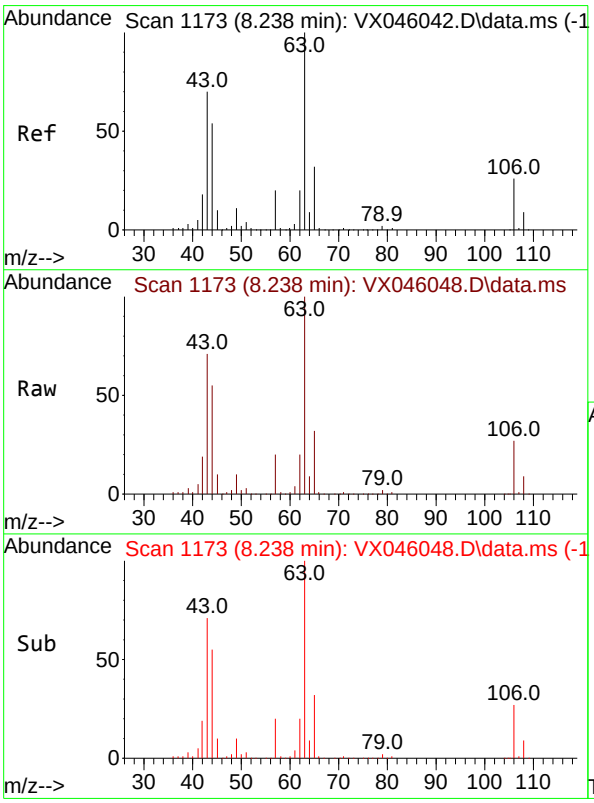
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.4 | 26.3 | 39.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

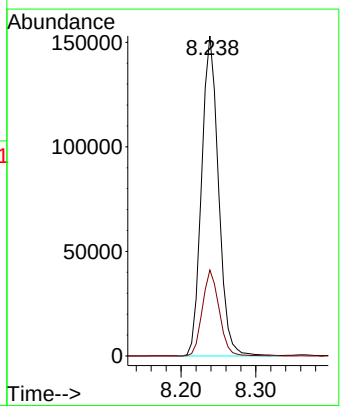


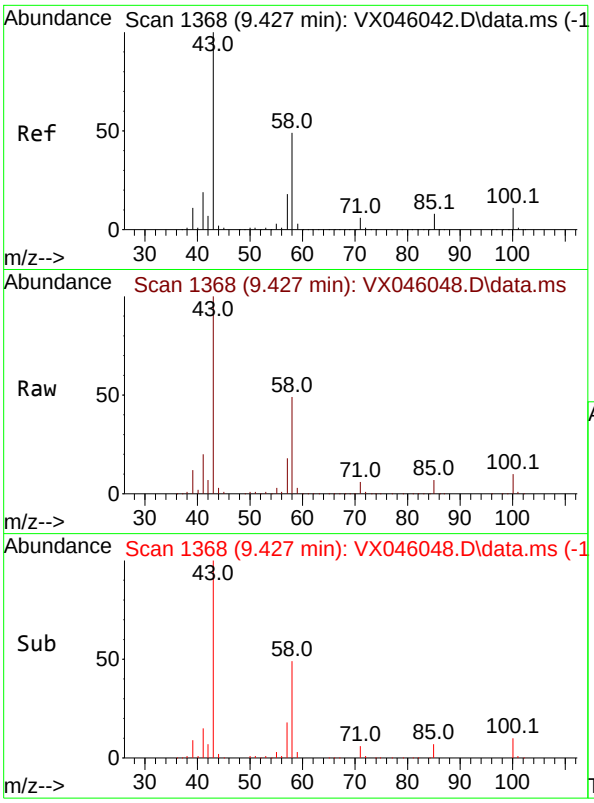




#58
2-Chloroethyl Vinyl ether
Concen: 265.780 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 240681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.6 | 21.5 | 32.3 |






#59
2-Hexanone
Concen: 268.218 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

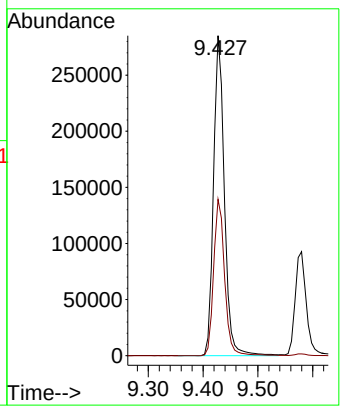
Tgt Ion: 43 Resp: 39070

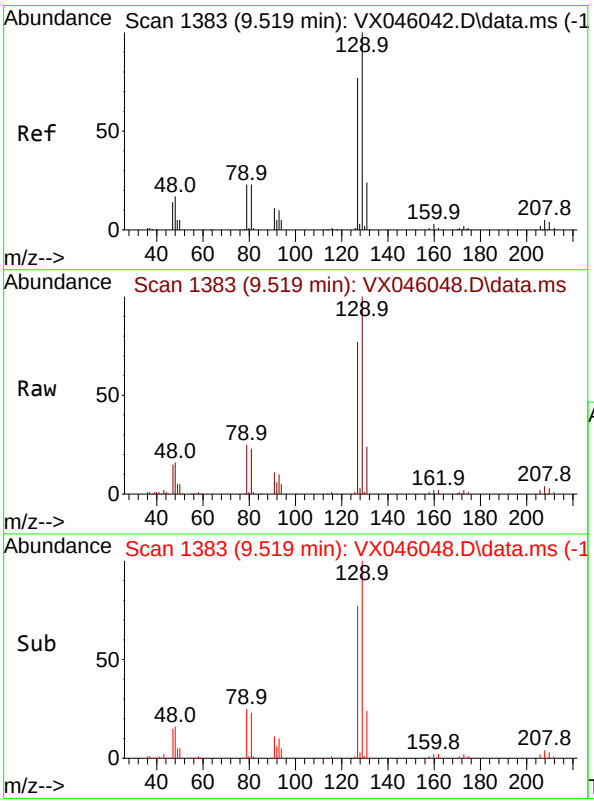
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.6 | 24.9 | 74.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

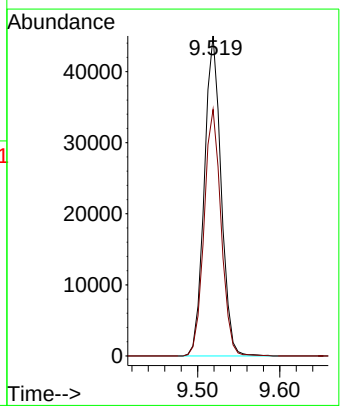


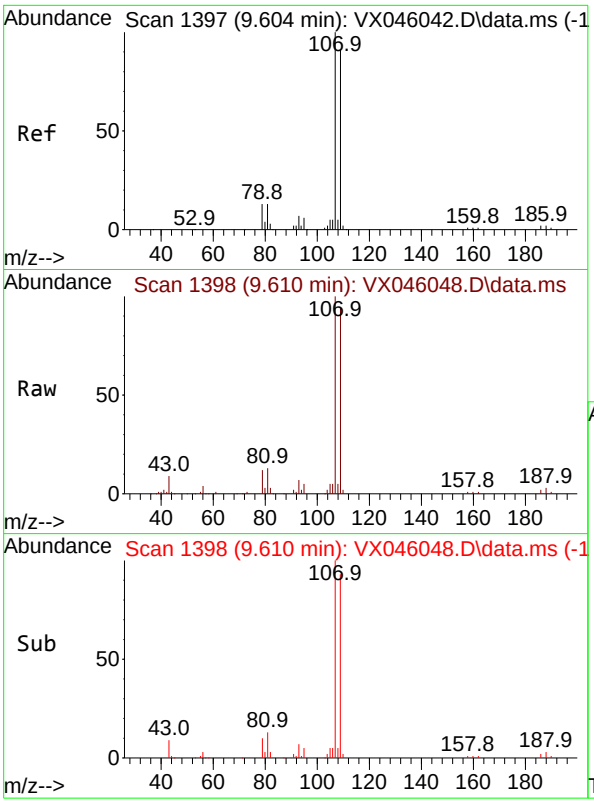




#60
Dibromochloromethane
Concen: 52.075 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:129 Resp: 63738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.9 | 39.3 | 117.8 |






#61
1,2-Dibromoethane
Concen: 51.050 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

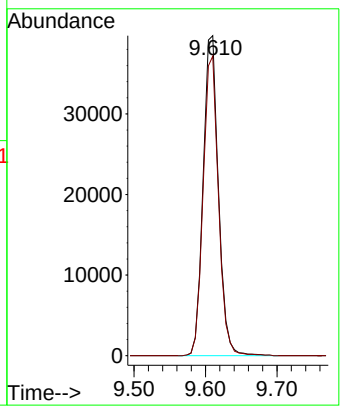
Tgt Ion:107 Resp: 5913

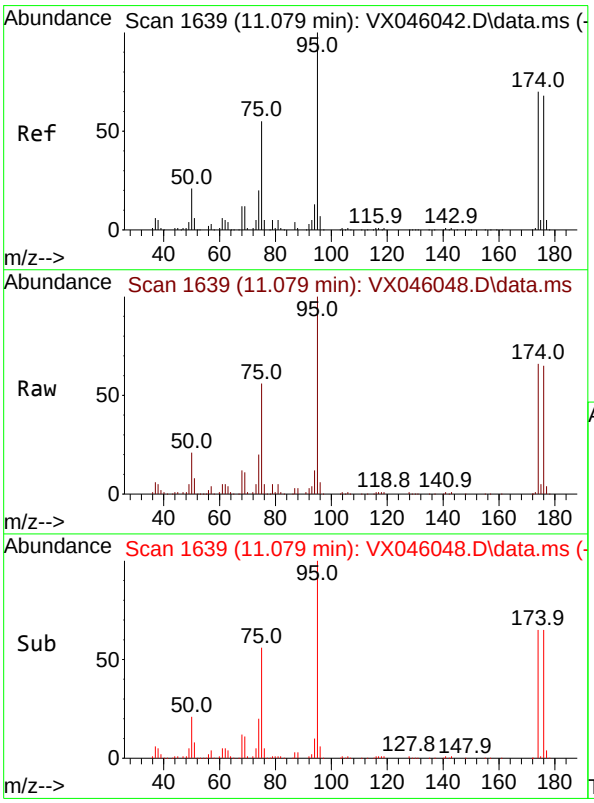
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 73.3 | 109.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

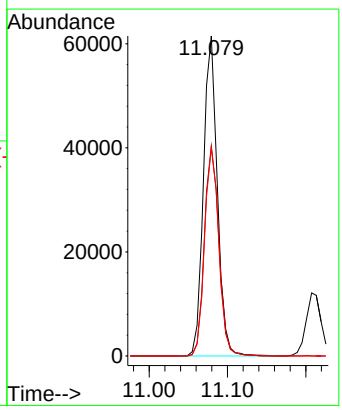


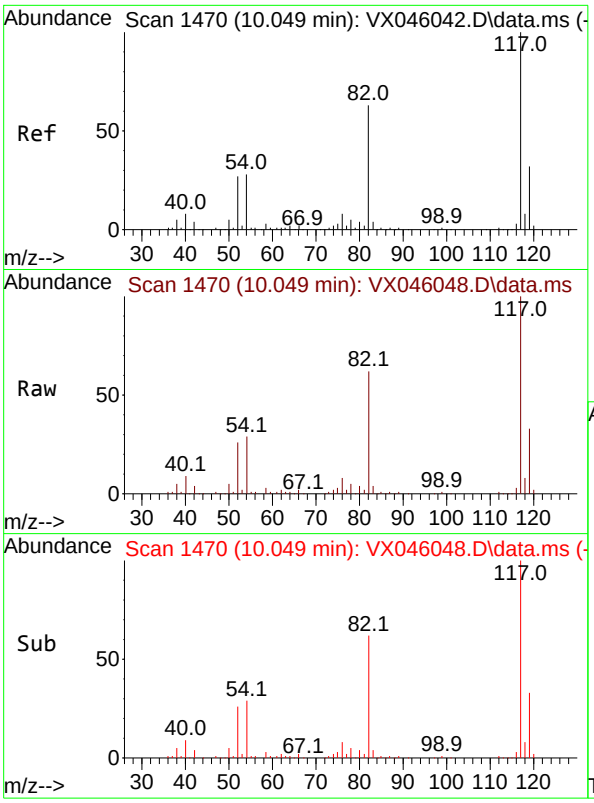




#62
4-Bromofluorobenzene
Concen: 48.596 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 95 Resp: 75568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 68.2 | 0.0 | 135.8 |
| 176 | 66.5 | 0.0 | 131.4 |

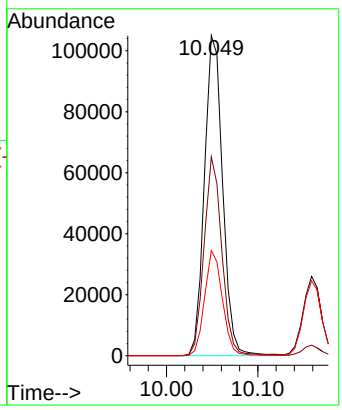





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 14507

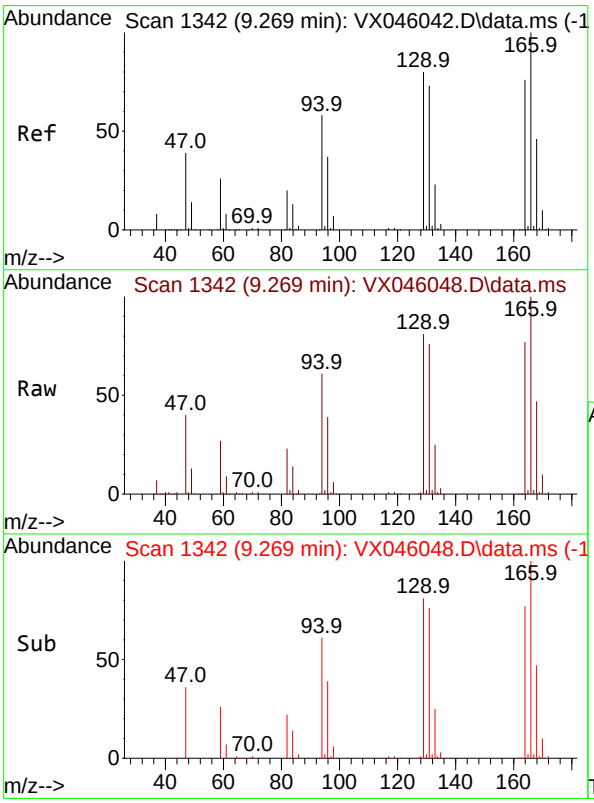
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 62.1 | 50.6 | 76.0 |
| 119 | 32.9 | 25.8 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

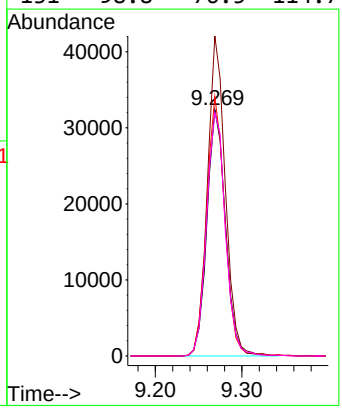
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

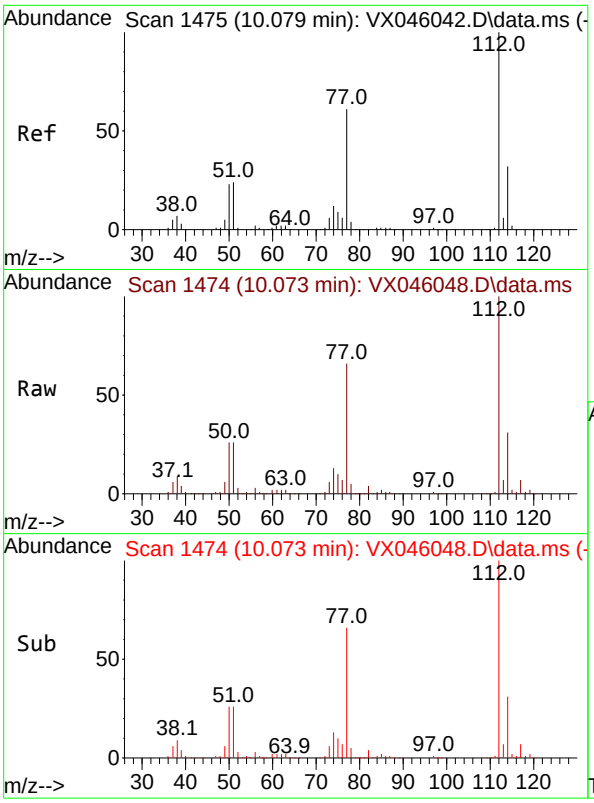



#64
Tetrachloroethene
Concen: 46.795 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:164 Resp: 48034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.9 | 105.0 | 157.6 |
| 129 | 105.3 | 83.5 | 125.3 |
| 131 | 98.8 | 76.5 | 114.7 |






#65
Chlorobenzene
Concen: 48.699 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

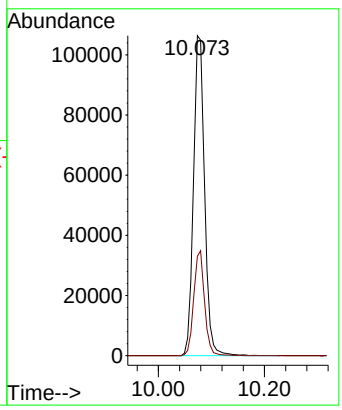
Tgt Ion:112 Resp: 15464

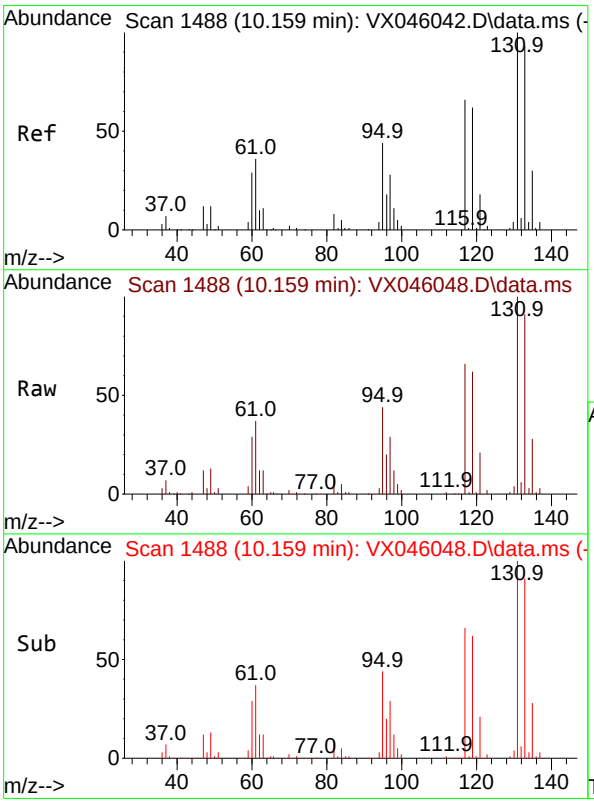
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.1 | 25.4 | 38.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

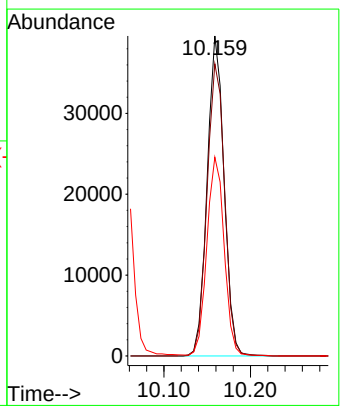


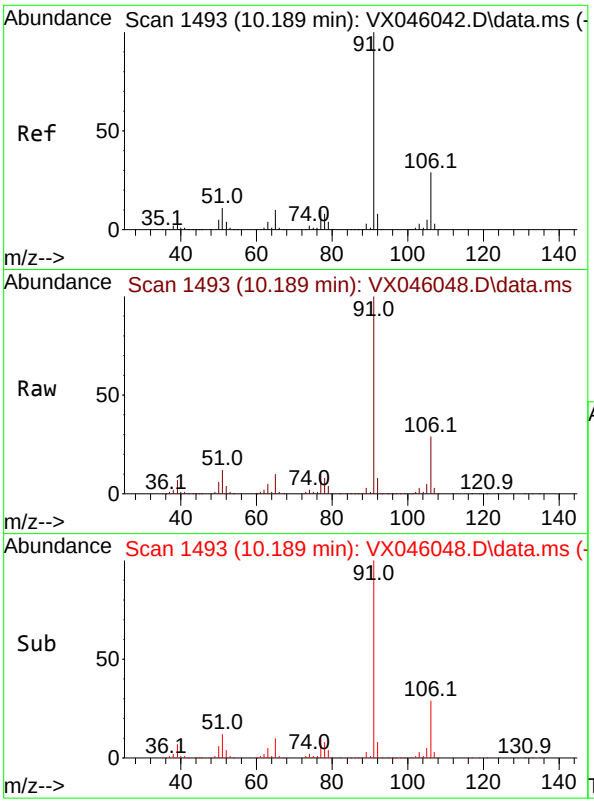




#66
1,1,1,2-Tetrachloroethane
Concen: 49.557 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:131 Resp: 53735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.9 | 47.3 | 141.9 |
| 119 | 63.7 | 31.6 | 95.0 |






#67
Ethyl Benzene
Concen: 50.245 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

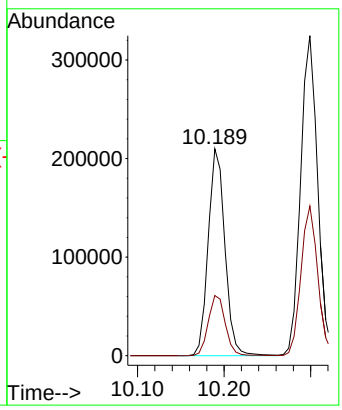
Tgt Ion: 91 Resp: 28123

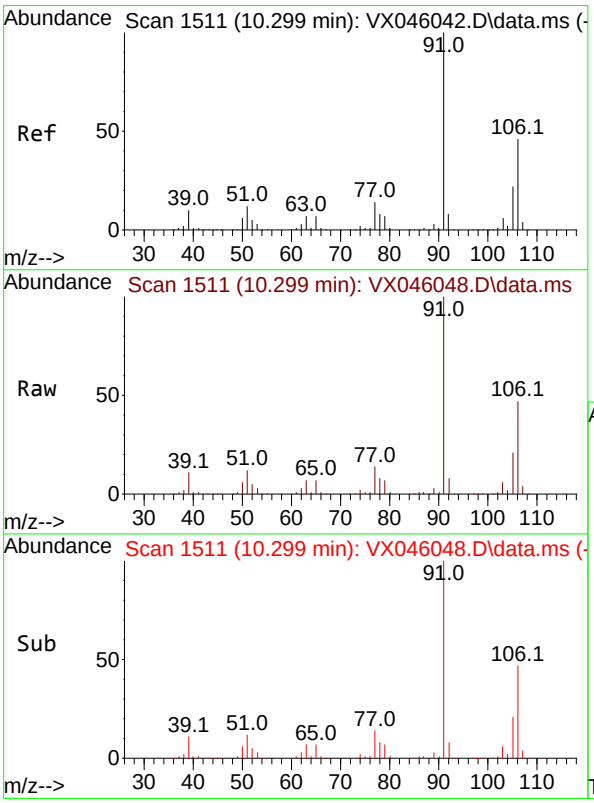
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.1 | 23.4 | 35.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

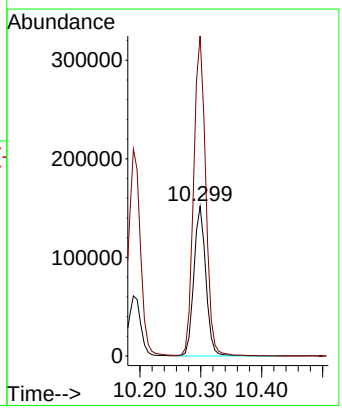


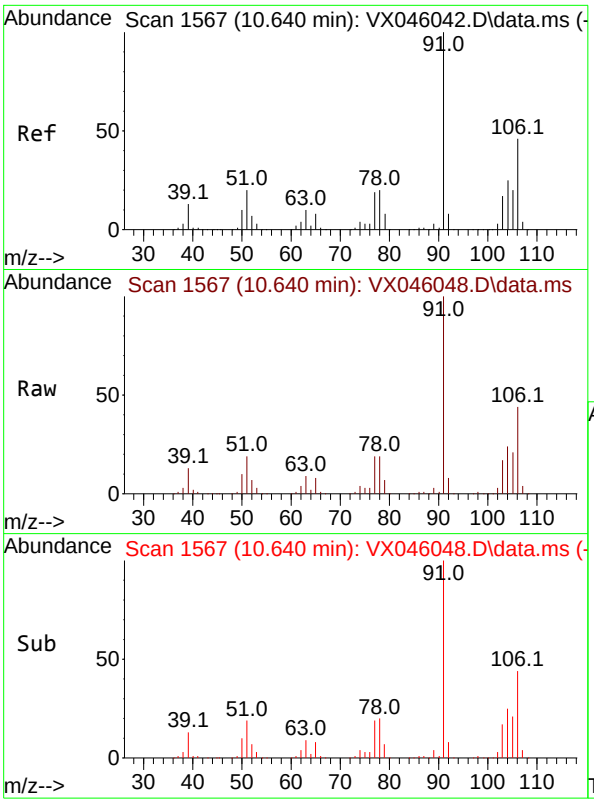




#68
m/p-Xylenes
Concen: 101.022 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:106 Resp: 206813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.6 | 171.2 | 256.8 |






#69
o-Xylene
Concen: 50.841 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

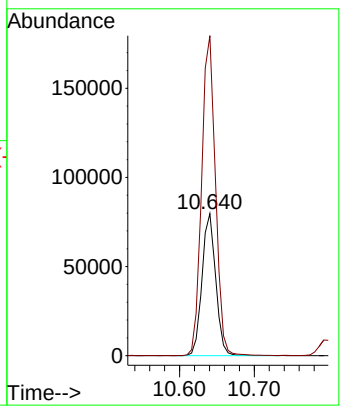
Tgt Ion:106 Resp: 10146

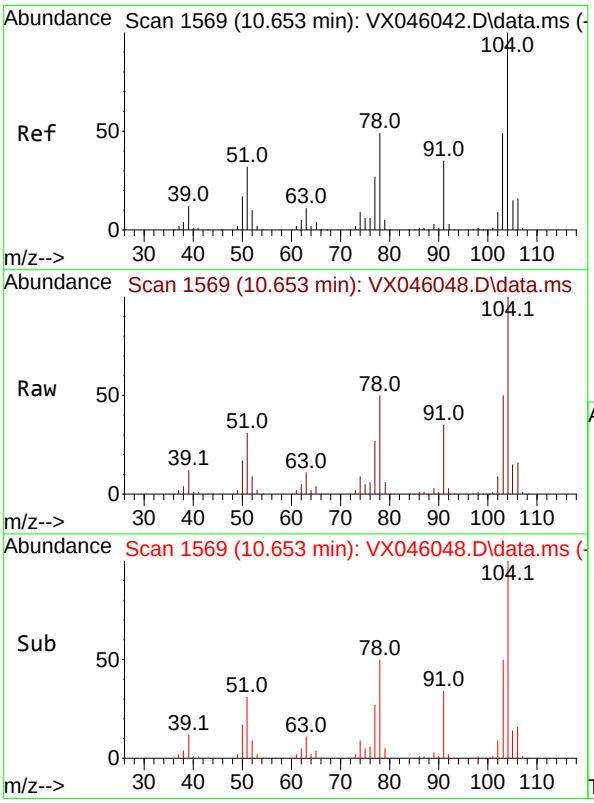
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 227.7 | 112.7 | 338.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

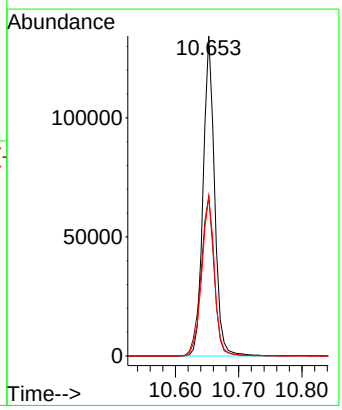


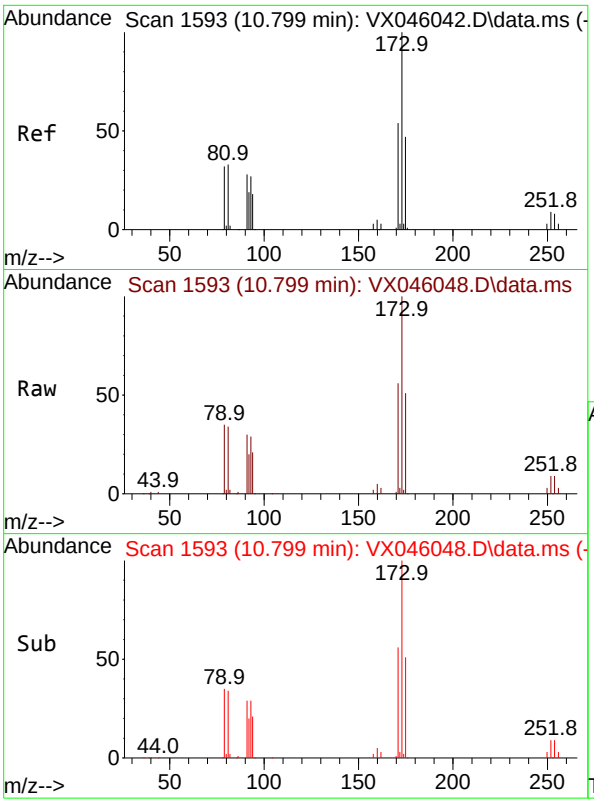




#70
Styrene
Concen: 51.907 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:104 Resp: 169703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.6 | 45.7 | 68.5 |
| 103 | 55.5 | 43.7 | 65.5 |

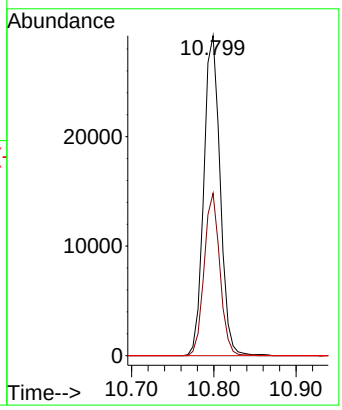





#71
Bromoform
Concen: 49.583 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:173 Resp: 4036

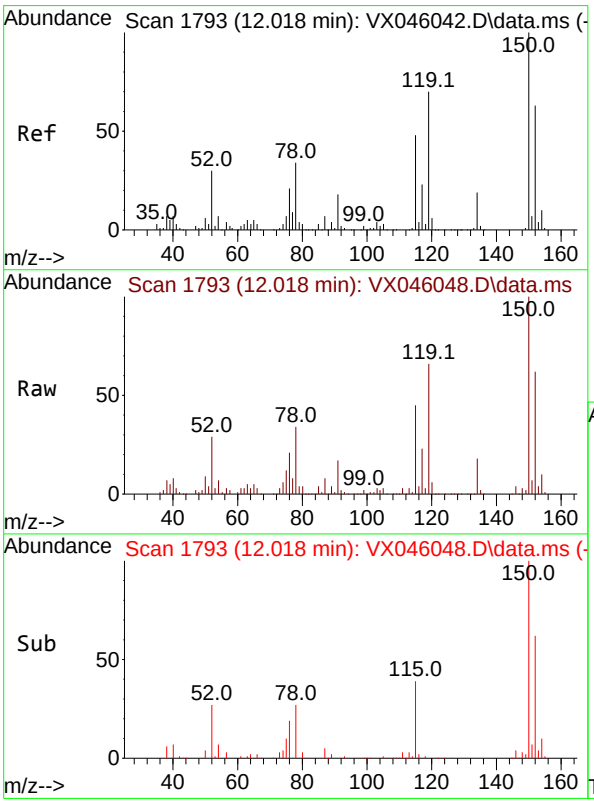
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

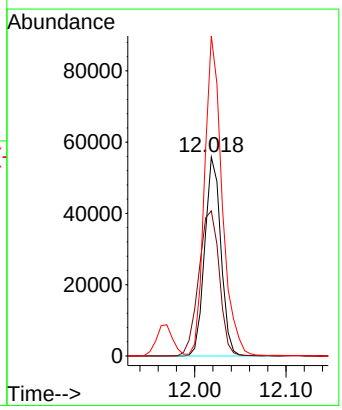
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

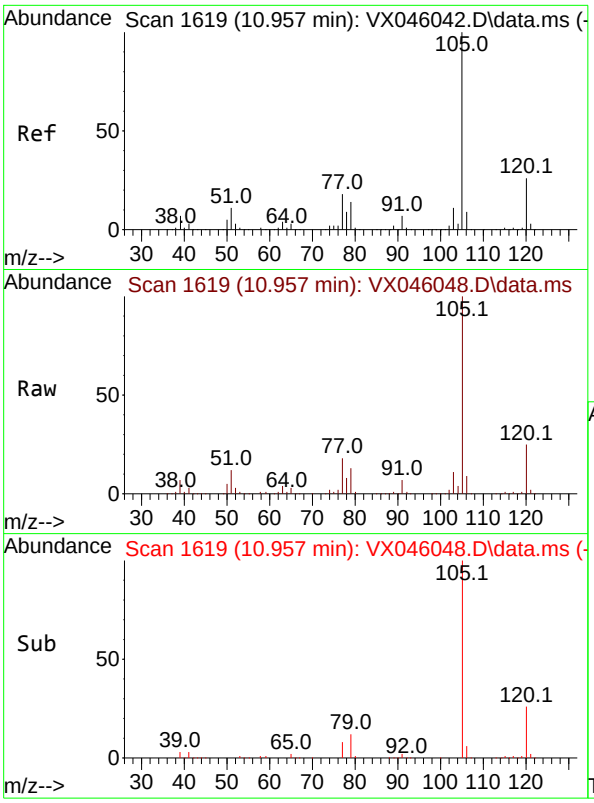



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:152 Resp: 68229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 93.3 | 46.9 | 140.7 |
| 150 | 175.3 | 0.0 | 351.0 |






#73
Isopropylbenzene
Concen: 50.733 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

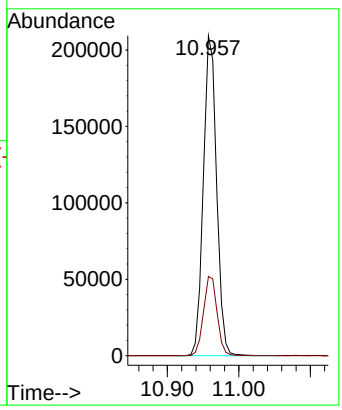
Tgt Ion:105 Resp: 26948

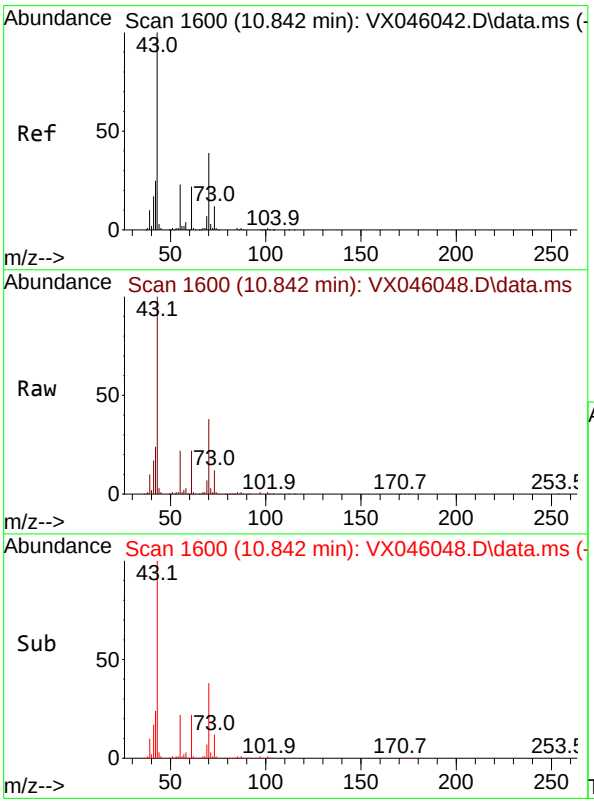
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.4 | 12.8 | 38.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

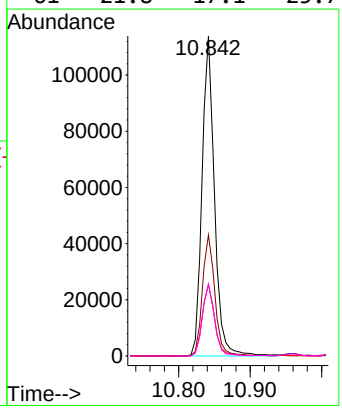


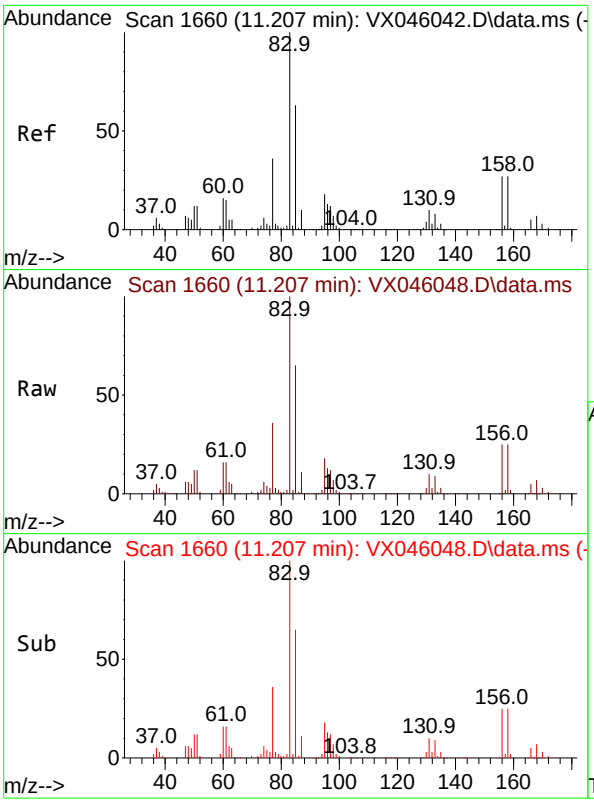




#74
N-amyl acetate
Concen: 52.407 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 137559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 37.9 | 30.9 | 46.3 |
| 55 | 22.7 | 18.7 | 28.1 |
| 61 | 21.8 | 17.1 | 25.7 |

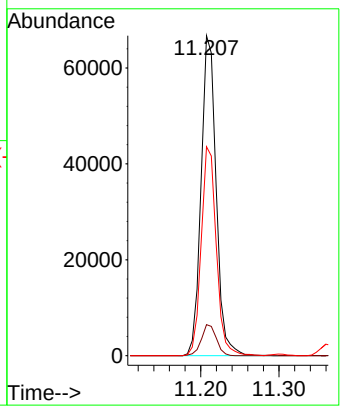





#75
1,1,2,2-Tetrachloroethane
Concen: 47.827 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 8902

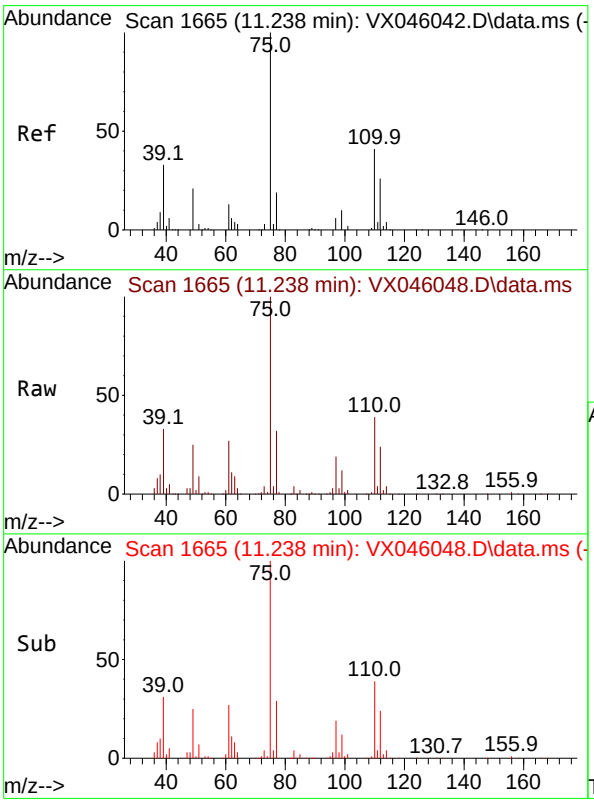
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 5.0 | 14.9 |
| 85 | 65.5 | 31.9 | 95.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

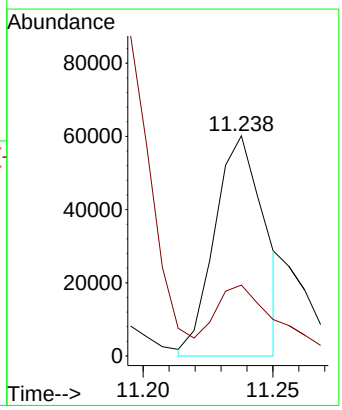
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

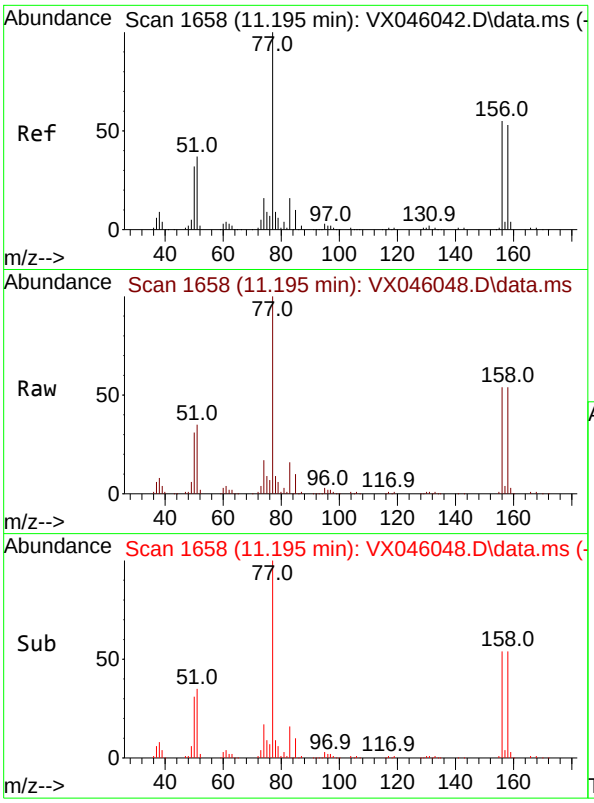



#76
1,2,3-Trichloropropane
Concen: 48.568 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 79763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.8 | 20.5 | 61.5 |

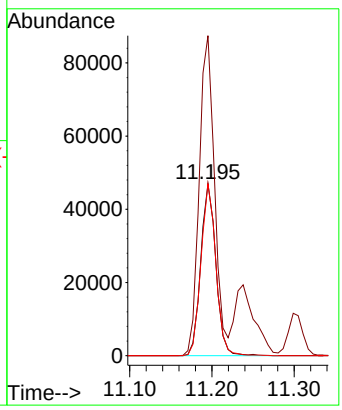





#77
Bromobenzene
Concen: 48.549 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:156 Resp: 5987

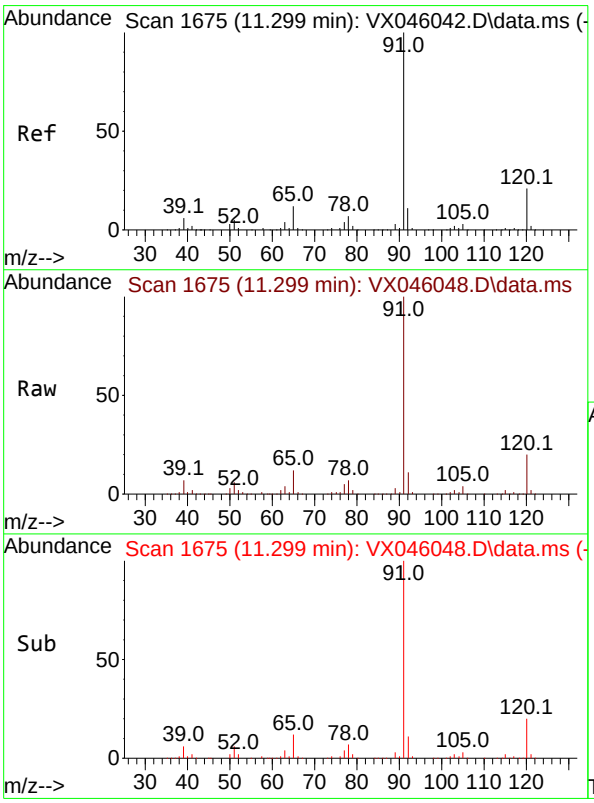
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 189.0 | 92.8 | 278.3 |
| 158 | 98.9 | 48.8 | 146.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

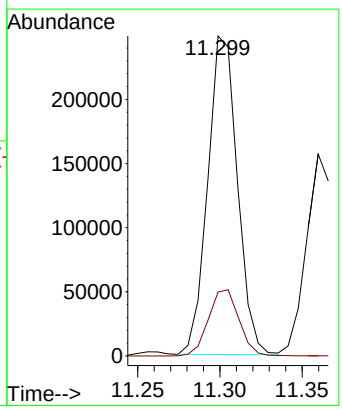
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

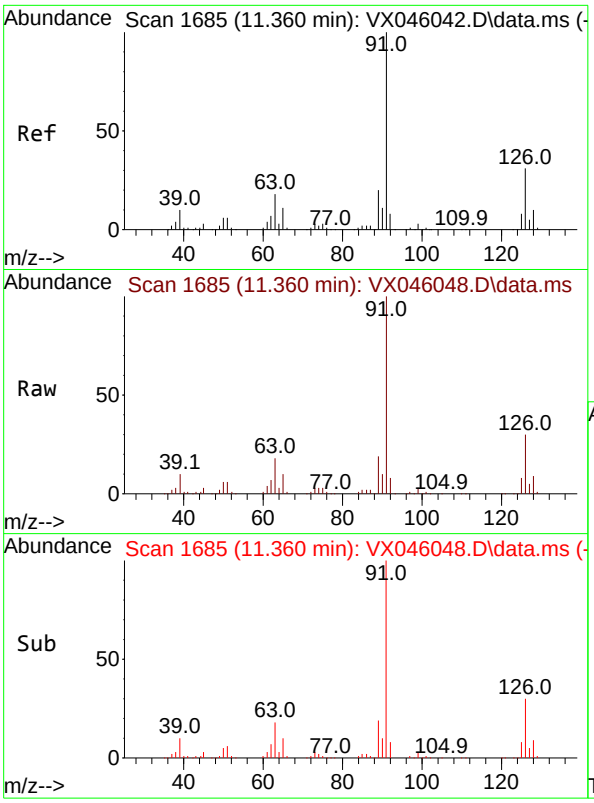



#78
n-propylbenzene
Concen: 50.562 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 312285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.4 | 10.8 | 32.4 |

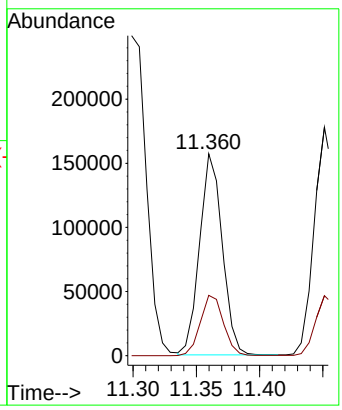





#79
2-Chlorotoluene
Concen: 49.107 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 19563

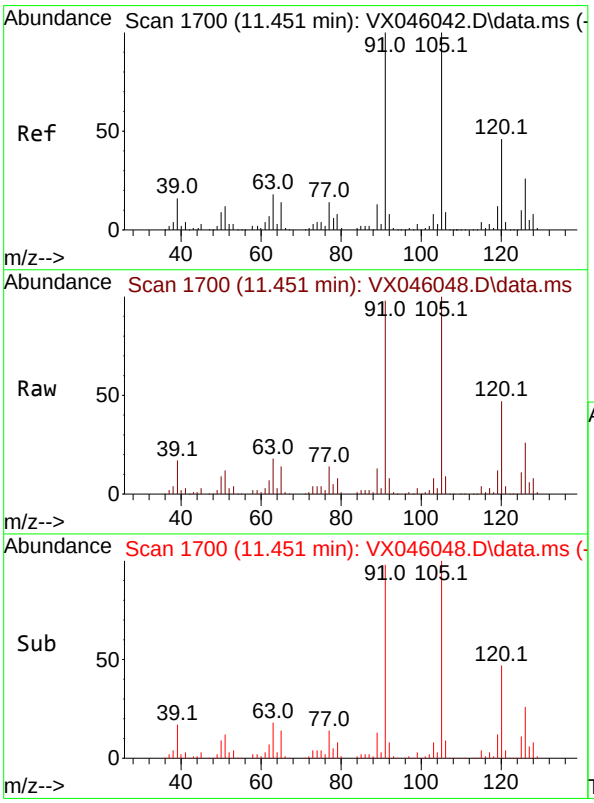
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.8 | 15.6 | 46.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

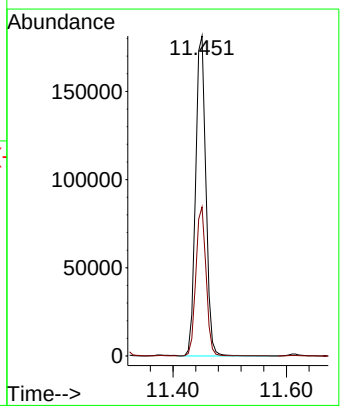
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

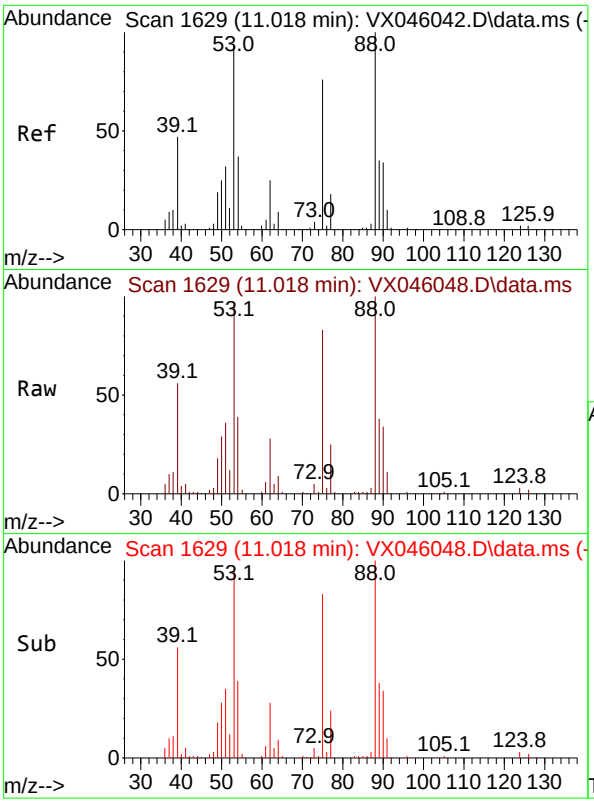



#80
1,3,5-Trimethylbenzene
Concen: 51.500 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 228538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.3 | 23.1 | 69.2 |

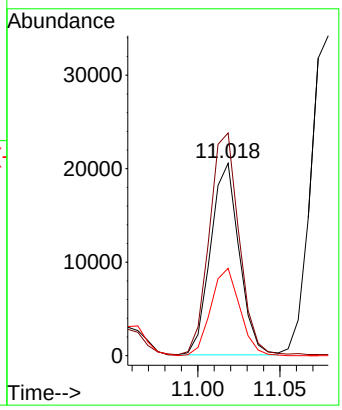





#81
trans-1,4-Dichloro-2-butene
Concen: 49.276 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 2485

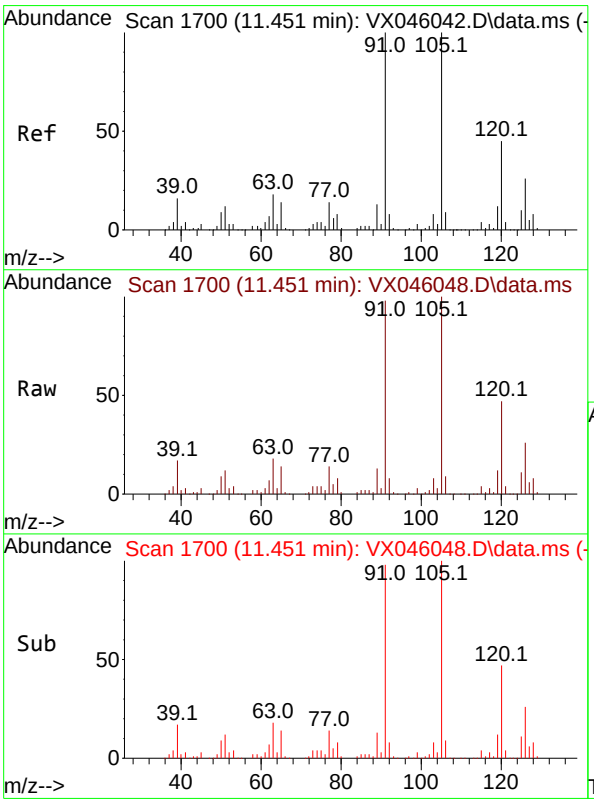
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 122.3 | 100.5 | 150.7 |
| 89 | 46.2 | 37.0 | 55.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

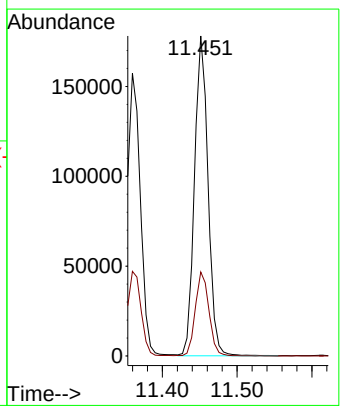
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

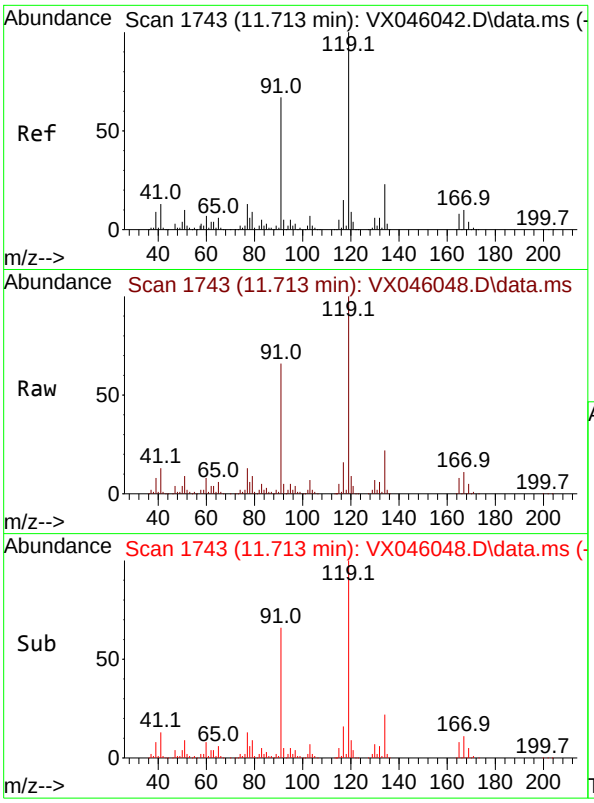



#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 223811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.5 | 13.3 | 39.8 |

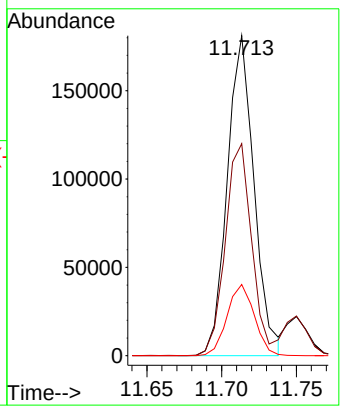





#83
tert-Butylbenzene
Concen: 50.511 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:119 Resp: 22578

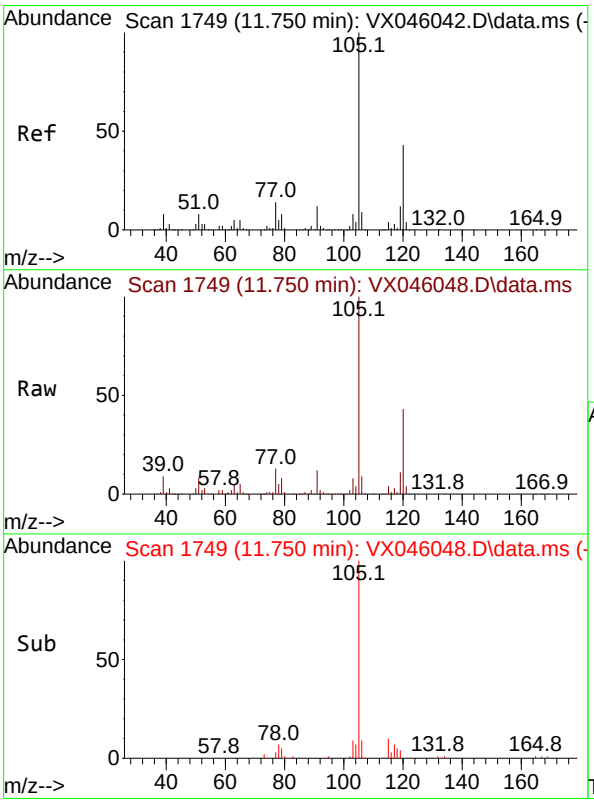
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.9 | 32.9 | 98.7 |
| 134 | 22.6 | 11.4 | 34.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

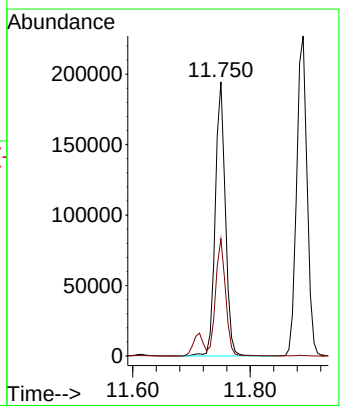
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

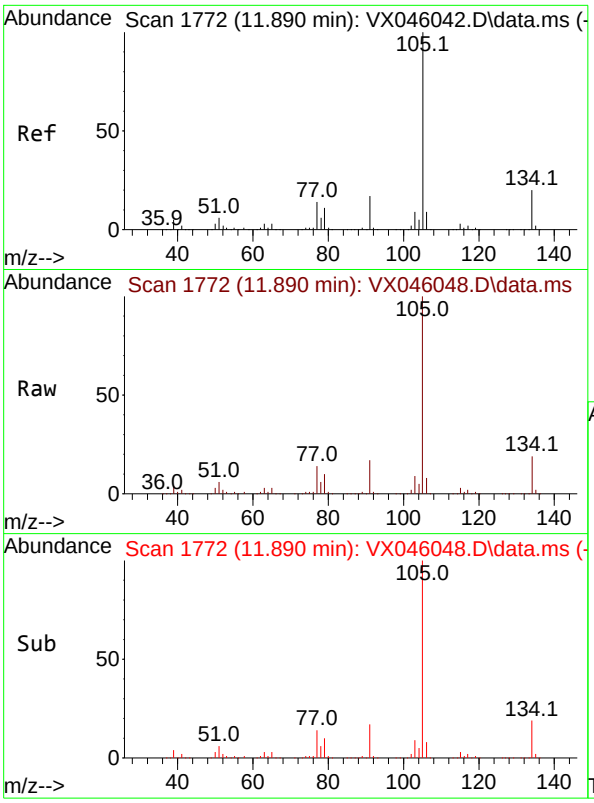



#84
1,2,4-Trimethylbenzene
Concen: 51.485 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 231371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.3 | 21.2 | 63.6 |






#85
sec-Butylbenzene
Concen: 51.122 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

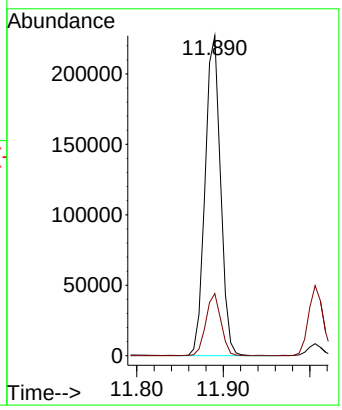
Tgt Ion:105 Resp: 28057

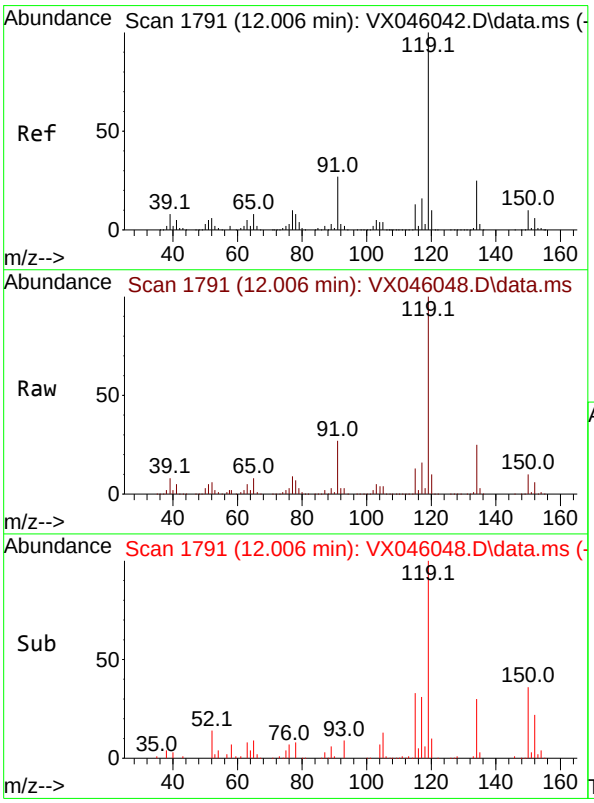
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.1 | 9.7 | 29.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

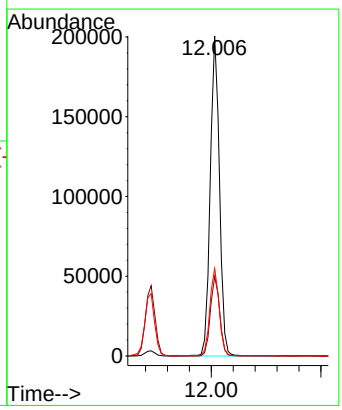


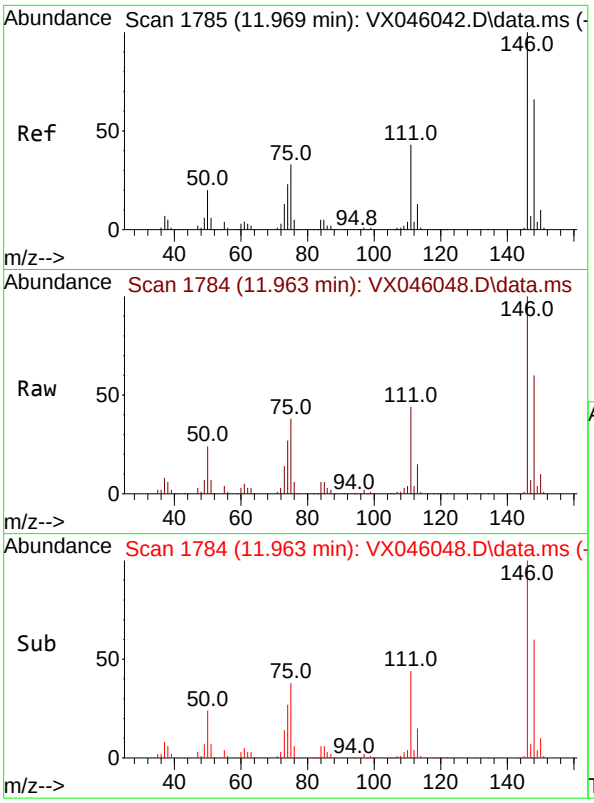




#86
p-Isopropyltoluene
Concen: 51.198 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:119 Resp: 231942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.0 | 12.5 | 37.5 |
| 91 | 27.5 | 13.8 | 41.4 |

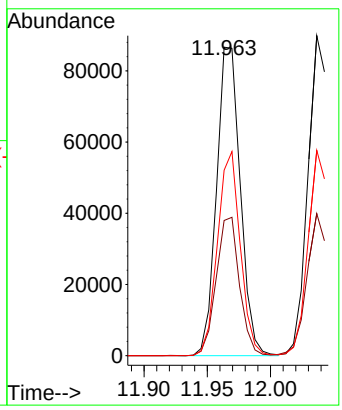





#87
1,3-Dichlorobenzene
Concen: 50.272 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 11314

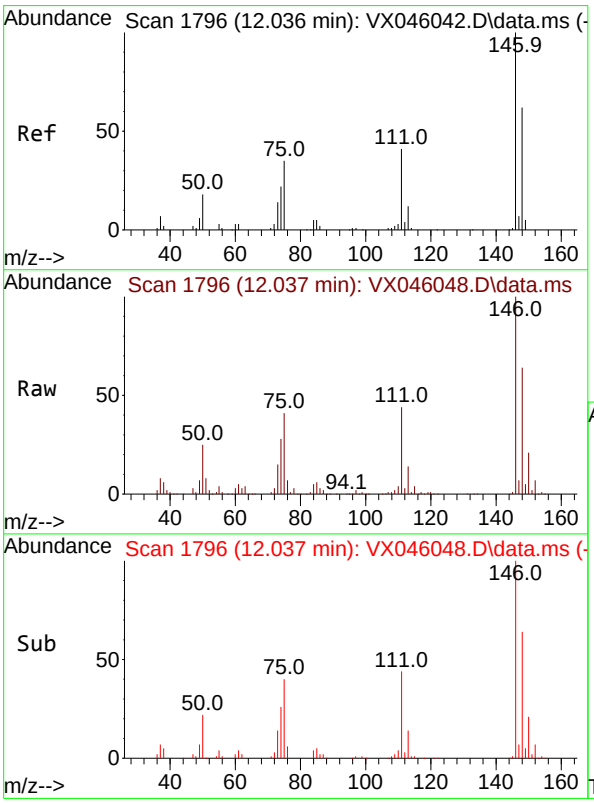
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 22.1 | 66.3 |
| 148 | 63.5 | 32.1 | 96.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

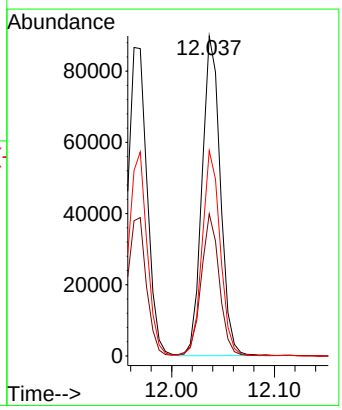
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

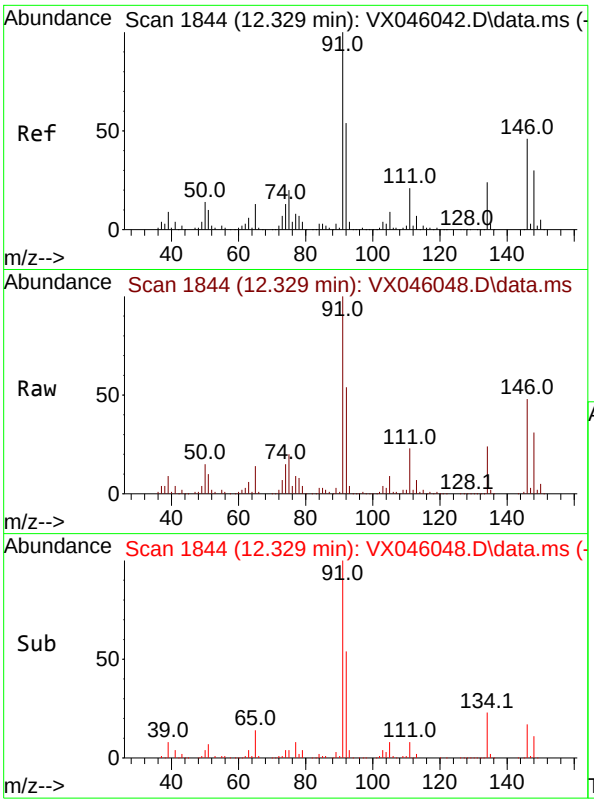



#88
1,4-Dichlorobenzene
Concen: 48.368 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 111173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.9 | 21.3 | 63.9 |
| 148 | 63.3 | 31.9 | 95.5 |






#89
n-Butylbenzene
Concen: 51.804 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

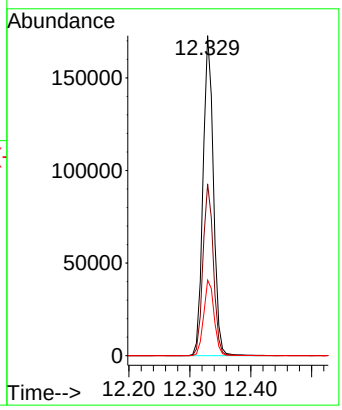
Tgt Ion: 91 Resp: 20585

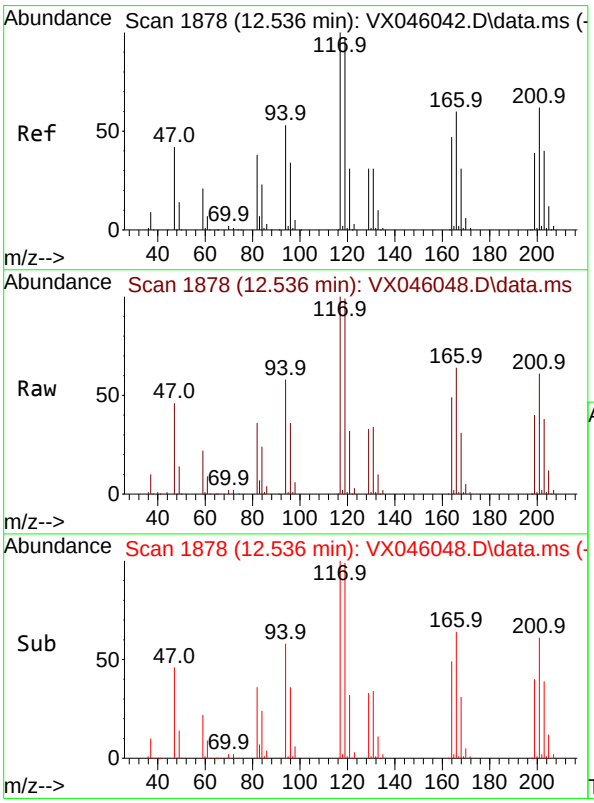
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.7 | 26.9 | 80.7 |
| 134 | 23.7 | 11.8 | 35.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

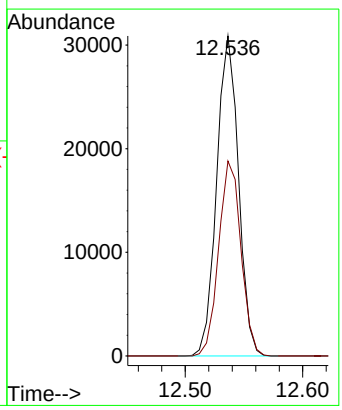


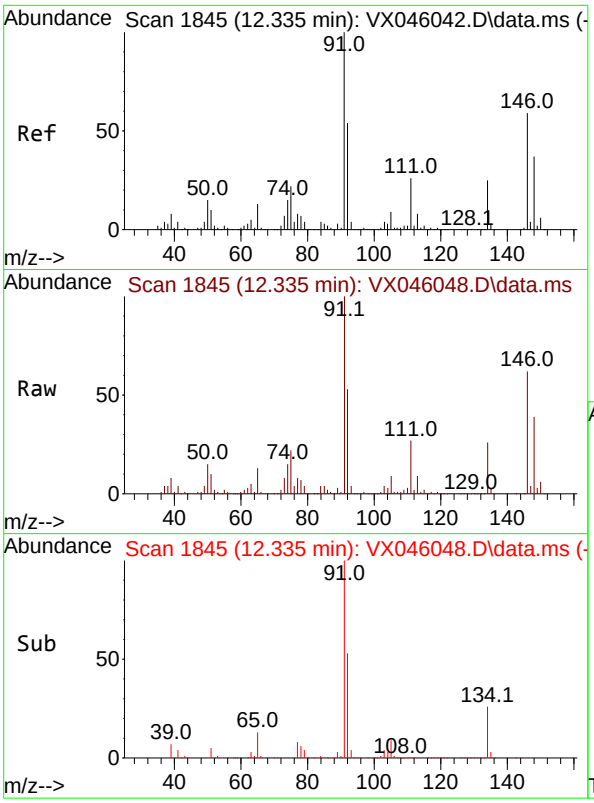




#90
Hexachloroethane
Concen: 49.895 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 39823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.4 | 31.6 | 94.7 |

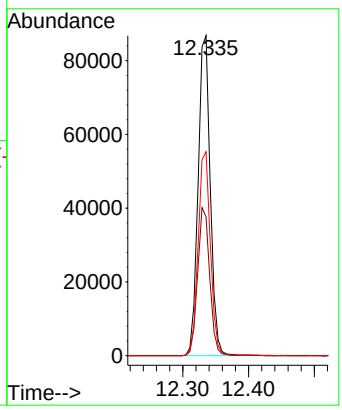





#91
1,2-Dichlorobenzene
Concen: 49.361 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 11148

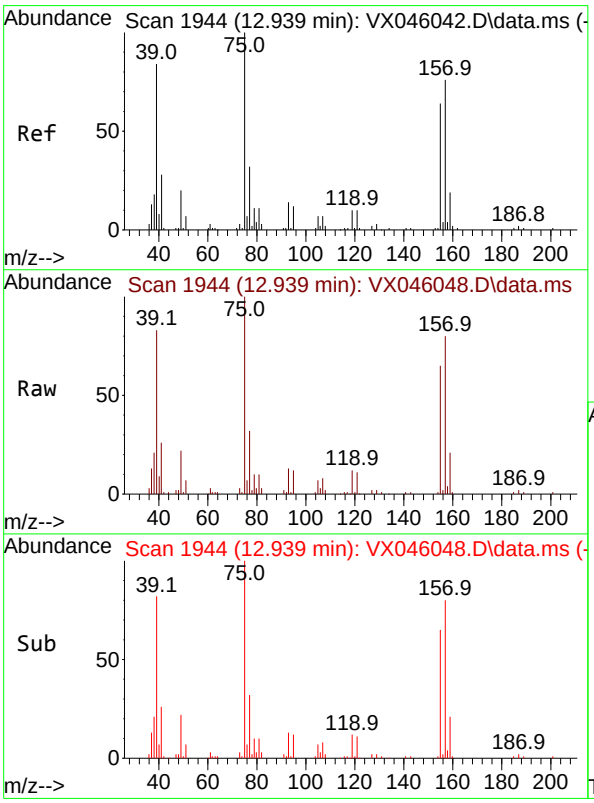
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.8 | 22.4 | 67.3 |
| 148 | 64.2 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

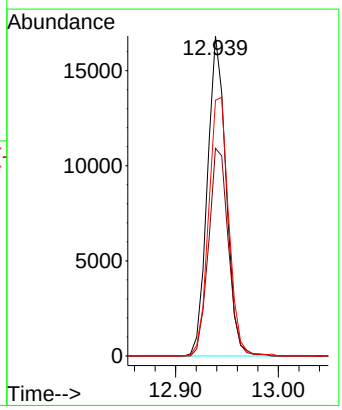
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

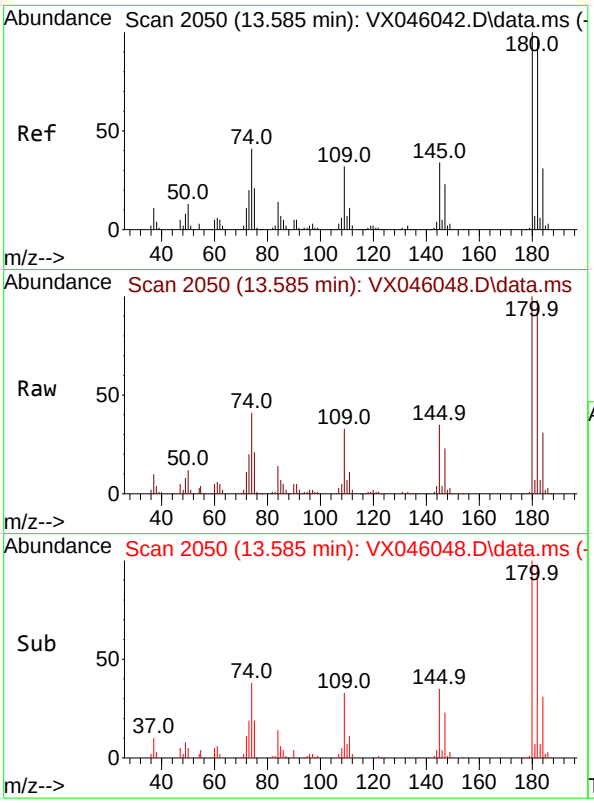



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.458 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 21220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 68.6 | 34.9 | 104.8 |
| 157 | 86.7 | 43.8 | 131.4 |






#93
1,2,4-Trichlorobenzene
Concen: 49.662 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

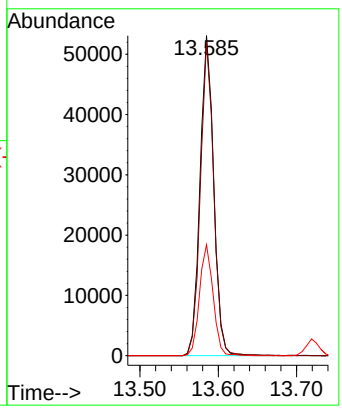
Tgt Ion:180 Resp: 6442

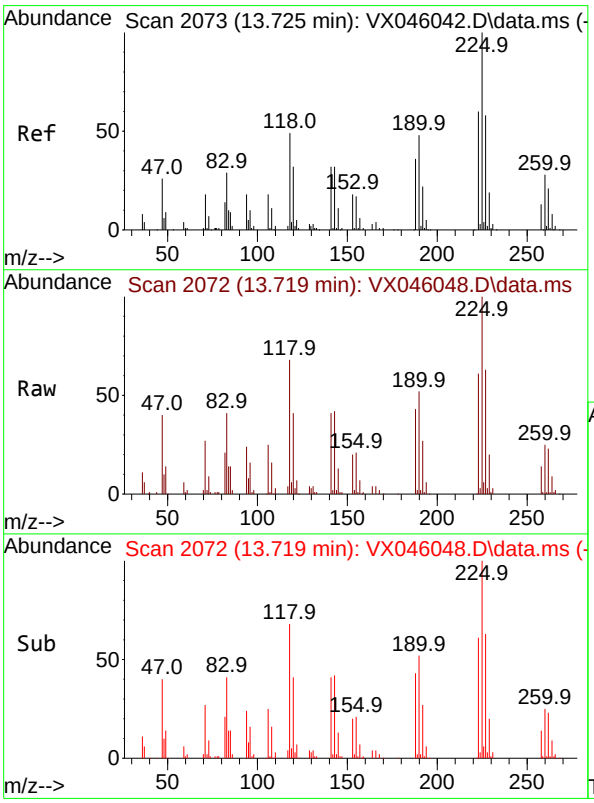
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 47.9 | 143.8 |
| 145 | 34.4 | 17.1 | 51.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

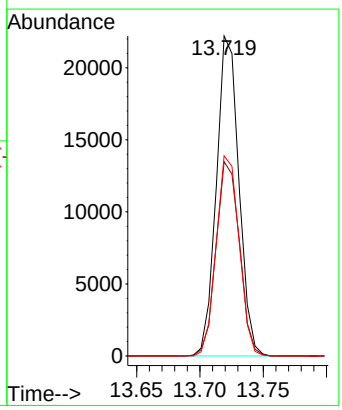


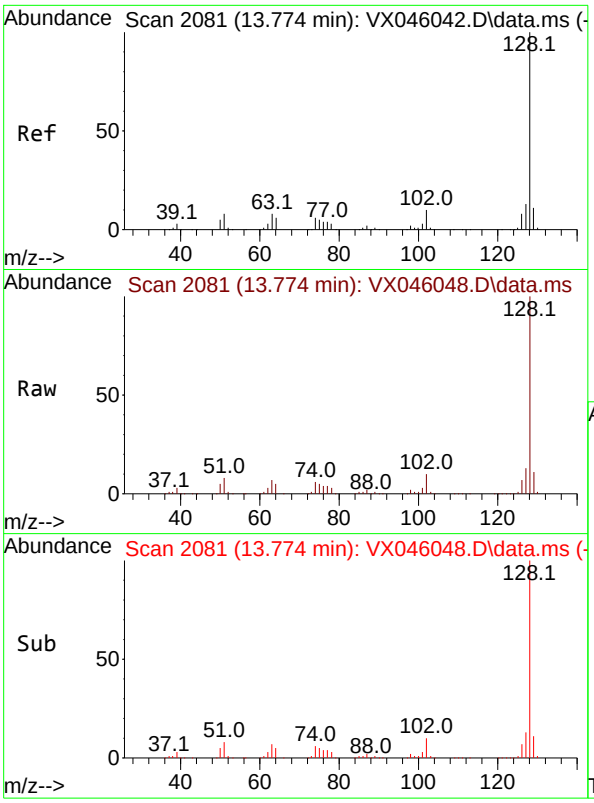




#94
Hexachlorobutadiene
Concen: 48.408 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:225 Resp: 27425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 30.8 | 92.4 |
| 227 | 63.7 | 30.9 | 92.7 |

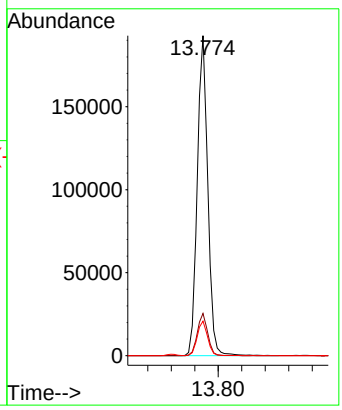





#95
Naphthalene
Concen: 50.404 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:128 Resp: 23980

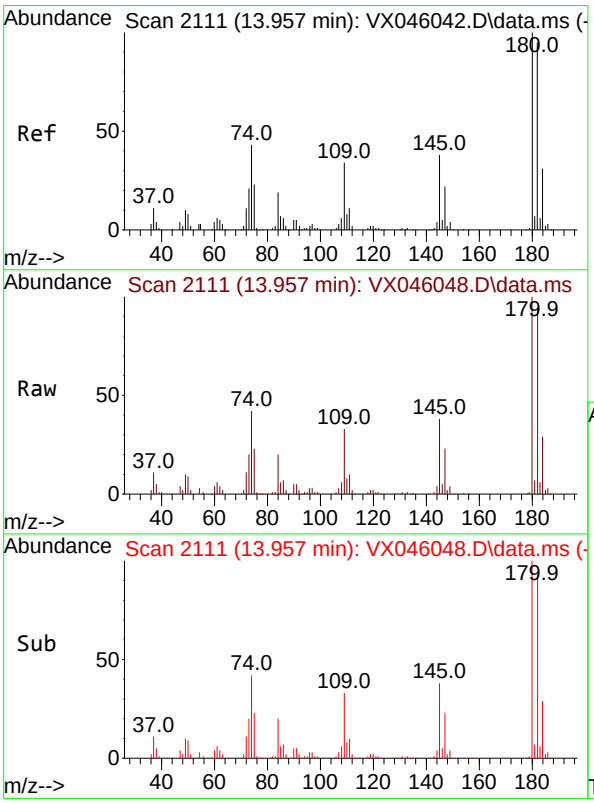
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.4 | 15.6 |
| 129 | 10.7 | 8.6 | 13.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

**Manual Integrations**
**APPROVED**

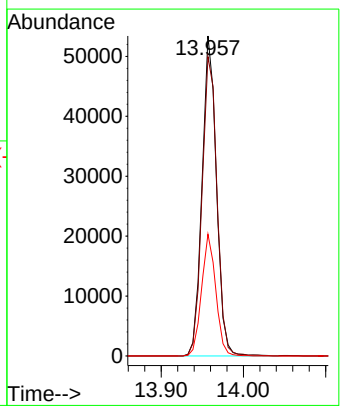
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025




#96
1,2,3-Trichlorobenzene
Concen: 48.525 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:180 Resp: 64950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.0 | 47.8 | 143.3 |
| 145 | 37.5 | 18.1 | 54.3 |



# Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 95 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.765 | 0.851 | -11.2 | 94 | 0.00 |
| 3 | P | Chloromethane | 0.742 | 0.781 | -5.3 | 96 | 0.00 |
| 4 | C | Vinyl Chloride | 0.691 | 0.713 | -3.2# | 96 | 0.00 |
| 5 | T | Bromomethane | 0.320 | 0.324 | -1.3 | 95 | 0.00 |
| 6 | T | Chloroethane | 0.369 | 0.385 | -4.3 | 97 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.021 | 1.073 | -5.1 | 96 | 0.00 |
| 8 | T | Diethyl Ether | 0.347 | 0.344 | 0.9 | 97 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.632 | 0.642 | -1.6 | 96 | 0.00 |
| 10 | T | Methyl Iodide | 0.747 | 0.799 | -7.0 | 94 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.131 | 0.132 | -0.8 | 98 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.593 | 0.606 | -2.2# | 96 | 0.00 |
| 13 | T | Acrolein | 0.149 | 0.139 | 6.7 | 87 | 0.00 |
| 14 | T | Allyl chloride | 1.133 | 1.175 | -3.7 | 95 | 0.00 |
| 15 | T | Acrylonitrile | 0.374 | 0.393 | -5.1 | 97 | 0.00 |
| 16 | T | Acetone | 0.374 | 0.367 | 1.9 | 97 | 0.00 |
| 17 | T | Carbon Disulfide | 1.406 | 1.433 | -1.9 | 94 | 0.00 |
| 18 | T | Methyl Acetate | 0.867 | 0.867 | 0.0 | 97 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.079 | 2.111 | -1.5 | 93 | 0.00 |
| 20 | T | Methylene Chloride | 0.716 | 0.684 | 4.5 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.596 | 0.602 | -1.0 | 94 | 0.00 |
| 22 | T | Diisopropyl ether | 2.189 | 2.268 | -3.6 | 95 | 0.00 |
| 23 | T | Vinyl Acetate | 1.925 | 2.045 | -6.2 | 95 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.219 | 1.239 | -1.6 | 94 | 0.00 |
| 25 | T | 2-Butanone | 0.543 | 0.558 | -2.8 | 96 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.954 | 0.953 | 0.1 | 95 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.718 | 0.731 | -1.8 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 0.587 | 0.598 | -1.9 | 99 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.340 | 0.354 | -4.1 | 96 | 0.00 |
| 30 | C | Chloroform | 1.271 | 1.305 | -2.7# | 96 | 0.00 |
| 31 | T | Cyclohexane | 1.111 | 1.114 | -0.3 | 94 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.101 | 1.126 | -2.3 | 95 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.932 | 0.904 | 3.0 | 95 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.360 | 0.358 | 0.6 | 98 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.484 | 0.479 | 1.0 | 94 | 0.00 |
| 37 | T | Ethyl Acetate | 0.598 | 0.606 | -1.3 | 96 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.544 | 0.542 | 0.4 | 94 | 0.00 |
| 39 | T | Methylcyclohexane | 0.623 | 0.620 | 0.5 | 94 | 0.00 |
| 40 | TM | Benzene | 1.417 | 1.439 | -1.6 | 95 | 0.00 |
| 41 | T | Methacrylonitrile | 0.313 | 0.344 | -9.9 | 96 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.612 | 0.622 | -1.6 | 96 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.912 | 0.952 | -4.4 | 96 | 0.00 |
| 44 | TM | Trichloroethene | 0.341 | 0.341 | 0.0 | 93 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.352 | 0.366 | -4.0# | 96 | 0.00 |
| 46 | T | Dibromomethane | 0.278 | 0.278 | 0.0 | 94 | 0.00 |
| 47 | T | Bromodichloromethane | 0.547 | 0.568 | -3.8 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 0.466 | 0.505 | -8.4 | 97 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 0.009 | 0.009 | 0.0 | 100 | 0.00 |
| 50 | S | Toluene-d8 | 1.246 | 1.221 | 2.0 | 97 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.605 | 0.627 | -3.6 | 96 | 0.00 |
| 52 | CM | Toluene | 0.869 | 0.889 | -2.3# | 96 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.487 | 0.515 | -5.7 | 94 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.538 | 0.569 | -5.8 | 95 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.343 | 0.349 | -1.7 | 95 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.546 | 0.589 | -7.9 | 96 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.615 | 0.613 | 0.3 | 95 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.278 | 0.296 | -6.5 | 93 | 0.00 |
| 59 | T | 2-Hexanone | 0.448 | 0.480 | -7.1 | 98 | 0.00 |
| 60 | T | Dibromochloromethane | 0.376 | 0.392 | -4.3 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.356 | 0.364 | -2.2 | 94 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.478 | 0.465 | 2.7 | 96 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 64 | T | Tetrachloroethene | 0.354 | 0.331 | 6.5 | 88 | 0.00 |
| 65 | PM | Chlorobenzene | 1.094 | 1.066 | 2.6 | 96 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.374 | 0.370 | 1.1 | 94 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 1.939 | -0.5# | 95 | 0.00 |
| 68 | T | m/p-Xylenes | 0.706 | 0.713 | -1.0 | 95 | 0.00 |
| 69 | T | o-Xylene | 0.688 | 0.699 | -1.6 | 95 | 0.00 |
| 70 | T | Styrene | 1.127 | 1.170 | -3.8 | 95 | 0.00 |
| 71 | P | Bromoform | 0.281 | 0.278 | 1.1 | 91 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 73 | T | Isopropylbenzene | 3.893 | 3.950 | -1.5 | 96 | 0.00 |
| 74 | T | N-amyl acetate | 1.924 | 2.016 | -4.8 | 98 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.364 | 1.305 | 4.3 | 98 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.204 | 1.169 | 2.9 | 99 | 0.00 |
| 77 | T | Bromobenzene | 0.904 | 0.878 | 2.9 | 95 | 0.00 |
| 78 | T | n-propylbenzene | 4.526 | 4.577 | -1.1 | 95 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.919 | 2.867 | 1.8 | 96 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.252 | 3.350 | -3.0 | 96 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.370 | 0.364 | 1.6 | 95 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.238 | 3.280 | -1.3 | 96 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.276 | 3.309 | -1.0 | 97 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.293 | 3.391 | -3.0 | 97 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.022 | 4.112 | -2.2 | 96 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.320 | 3.399 | -2.4 | 96 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.649 | 1.658 | -0.5 | 98 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.684 | 1.629 | 3.3 | 97 | 0.00 |
| 89 | T | n-Butylbenzene | 2.912 | 3.017 | -3.6 | 96 | 0.00 |
| 90 | T | Hexachloroethane | 0.585 | 0.584 | 0.2 | 94 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.655 | 1.634 | 1.3 | 97 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.302 | 0.311 | -3.0 | 97 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.951 | 0.944 | 0.7 | 97 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.415 | 0.402 | 3.1 | 95 | 0.00 |
| 95 | T | Naphthalene | 3.487 | 3.515 | -0.8 | 98 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 0.981 | 0.952 | 3.0 | 94 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 95 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 55.594 | -11.2 | 94 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 52.592 | -5.2 | 96 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 51.598 | -3.2# | 96 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 50.627 | -1.3 | 95 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 52.271 | -4.5 | 97 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 52.560 | -5.1 | 96 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.536 | 0.9 | 97 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.822 | -1.6 | 96 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 53.419 | -6.8 | 94 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 252.025 | -0.8 | 98 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.097 | -2.2# | 96 | 0.00 |
| 13 | T | Acrolein | 250.000 | 232.505 | 7.0 | 87 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 51.833 | -3.7 | 95 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 262.412 | -5.0 | 97 | 0.00 |
| 16 | T | Acetone | 250.000 | 245.518 | 1.8 | 97 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 50.981 | -2.0 | 94 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 49.968 | 0.1 | 97 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 50.777 | -1.6 | 93 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.779 | 4.4 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.513 | -1.0 | 94 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 51.800 | -3.6 | 95 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 265.585 | -6.2 | 95 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.825 | -1.7 | 94 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 257.110 | -2.8 | 96 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 49.934 | 0.1 | 95 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.956 | -1.9 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.975 | -2.0 | 99 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 259.958 | -4.0 | 96 | 0.00 |
| 30 | C | Chloroform | 50.000 | 51.332 | -2.7# | 96 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 50.147 | -0.3 | 94 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.108 | -2.2 | 95 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 48.509 | 3.0 | 95 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.683 | 0.6 | 98 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.521 | 1.0 | 94 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.714 | -1.4 | 96 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.825 | 0.3 | 94 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.757 | 0.5 | 94 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.759 | -1.5 | 95 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 55.076 | -10.2 | 96 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.861 | -1.7 | 96 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 52.195 | -4.4 | 96 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.018 | -0.0 | 93 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.983 | -4.0# | 96 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 49.978 | 0.0 | 94 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.889 | -3.8 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 54.226 | -8.5 | 97 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 1059.599 | -6.0 | 100 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.984 | 2.0 | 97 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 259.133 | -3.7 | 96 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.150 | -2.3# | 96 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.920 | -5.8 | 94 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.892 | -5.8 | 95 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.887 | -1.8 | 95 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.918 | -7.8 | 96 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 49.793 | 0.4 | 95 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 265.780 | -6.3 | 93 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 268.218 | -7.3 | 98 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.075 | -4.2 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.050 | -2.1 | 94 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.596 | 2.8 | 96 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 99 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 46.795 | 6.4 | 88 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.699 | 2.6 | 96 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.557 | 0.9 | 94 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.245 | -0.5# | 95 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 101.022 | -1.0 | 95 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.841 | -1.7 | 95 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.907 | -3.8 | 95 | 0.00 |
| 71 | P | Bromoform | 50.000 | 49.583 | 0.8 | 91 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.733 | -1.5 | 96 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 52.407 | -4.8 | 98 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 47.827 | 4.3 | 98 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.568 | 2.9 | 99 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.549 | 2.9 | 95 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.562 | -1.1 | 95 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.107 | 1.8 | 96 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.500 | -3.0 | 96 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.276 | 1.4 | 95 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.661 | -1.3 | 96 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.511 | -1.0 | 97 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.485 | -3.0 | 97 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.122 | -2.2 | 96 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.198 | -2.4 | 96 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.272 | -0.5 | 98 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.368 | 3.3 | 97 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.804 | -3.6 | 96 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.895 | 0.2 | 94 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.361 | 1.3 | 97 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.458 | -2.9 | 97 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.662 | 0.7 | 97 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.408 | 3.2 | 95 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.404 | -0.8 | 98 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 48.525 | 3.0 | 94 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX046331.D**

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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2120 SAS No.: Q2120 SDG No.: Q2120

Instrument ID: MSVOA_X Calibration Date/Time: 05/23/2025 09:24

Lab File ID: VX046331.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Chloromethane | 0.742 | 0.654 | 0.1 | -11.86 | 20 |
| Vinyl Chloride | 0.691 | 0.592 | | -14.33 | 20 |
| Bromomethane | 0.320 | 0.288 | | -10 | 20 |
| Chloroethane | 0.369 | 0.378 | | 2.44 | 20 |
| Trichlorofluoromethane | 1.021 | 0.993 | | -2.74 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.632 | 0.618 | | -2.21 | 20 |
| 1,1-Dichloroethene | 0.593 | 0.550 | | -7.25 | 20 |
| Acetone | 0.374 | 0.393 | | 5.08 | 20 |
| Carbon Disulfide | 1.406 | 1.170 | | -16.78 | 20 |
| Methyl tert-butyl Ether | 2.079 | 2.197 | | 5.68 | 20 |
| Methylene Chloride | 0.716 | 0.663 | | -7.4 | 20 |
| trans-1,2-Dichloroethene | 0.596 | 0.560 | | -6.04 | 20 |
| 1,1-Dichloroethane | 1.219 | 1.239 | 0.1 | 1.64 | 20 |
| 2-Butanone | 0.543 | 0.592 | | 9.02 | 20 |
| Carbon Tetrachloride | 0.544 | 0.551 | | 1.29 | 20 |
| cis-1,2-Dichloroethene | 0.718 | 0.706 | | -1.67 | 20 |
| Chloroform | 1.271 | 1.286 | | 1.18 | 20 |
| 1,1,1-Trichloroethane | 1.101 | 1.128 | | 2.45 | 20 |
| Methylcyclohexane | 0.623 | 0.597 | | -4.17 | 20 |
| Benzene | 1.417 | 1.421 | | 0.28 | 20 |
| 1,2-Dichloroethane | 0.612 | 0.628 | | 2.61 | 20 |
| Trichloroethene | 0.341 | 0.343 | | 0.59 | 20 |
| 1,2-Dichloropropane | 0.352 | 0.374 | | 6.25 | 20 |
| Bromodichloromethane | 0.547 | 0.595 | | 8.77 | 20 |
| 4-Methyl-2-Pentanone | 0.605 | 0.677 | | 11.9 | 20 |
| Toluene | 0.869 | 0.878 | | 1.04 | 20 |
| t-1,3-Dichloropropene | 0.487 | 0.542 | | 11.29 | 20 |
| cis-1,3-Dichloropropene | 0.538 | 0.591 | | 9.85 | 20 |
| 1,1,2-Trichloroethane | 0.343 | 0.366 | | 6.71 | 20 |
| 2-Hexanone | 0.448 | 0.511 | | 14.06 | 20 |
| Dibromochloromethane | 0.376 | 0.417 | | 10.9 | 20 |
| Tetrachloroethene | 0.354 | 0.357 | | 0.85 | 20 |
| Chlorobenzene | 1.094 | 1.084 | 0.3 | -0.91 | 20 |
| Ethyl Benzene | 1.929 | 1.985 | | 2.9 | 20 |
| m/p-Xylenes | 0.706 | 0.719 | | 1.84 | 20 |
| o-Xylene | 0.688 | 0.714 | | 3.78 | 20 |
| Styrene | 1.127 | 1.208 | | 7.19 | 20 |
| Bromoform | 0.281 | 0.310 | 0.1 | 10.32 | 20 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX046331.D**

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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2120 SAS No.: Q2120 SDG No.: Q2120

Instrument ID: MSVOA_X Calibration Date/Time: 05/23/2025 09:24

Lab File ID: VX046331.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Isopropylbenzene | 3.893 | 3.986 | | 2.39 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.364 | 1.366 | 0.3 | 0.15 | 20 |
| 1,3-Dichlorobenzene | 1.649 | 1.650 | | 0.06 | 20 |
| 1,4-Dichlorobenzene | 1.684 | 1.672 | | -0.71 | 20 |
| 1,2-Dichlorobenzene | 1.655 | 1.688 | | 1.99 | 20 |
| 1,2-Dichloroethane-d4 | 0.932 | 0.966 | | 3.65 | 20 |
| Dibromofluoromethane | 0.360 | 0.384 | | 6.67 | 20 |
| Toluene-d8 | 1.246 | 1.307 | | 4.9 | 20 |
| 4-Bromofluorobenzene | 0.478 | 0.514 | | 7.53 | 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\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 89943 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 154938 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 137123 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 66629 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 86863 | 51.802 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 103.600% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 59429 | 53.265 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 106.540% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 202439 | 52.423 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 104.840% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 79568 | 53.716 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 107.440% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 64545 | 46.886 | ug/l | 97 |
| 3) Chloromethane | 1.306 | 50 | 58836 | 44.072 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 53273 | 42.877 | ug/l | 98 |
| 5) Bromomethane | 1.599 | 94 | 25935 | 45.004 | ug/l | 95 |
| 6) Chloroethane | 1.672 | 64 | 33980 | 51.230 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.880 | 101 | 89339 | 48.653 | ug/l | 98 |
| 8) Diethyl Ether | 2.130 | 74 | 30446 | 48.706 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 55612 | 48.939 | ug/l | 98 |
| 10) Methyl Iodide | 2.447 | 142 | 61527 | 45.758 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.965 | 59 | 64532 | 274.166 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 49469 | 46.384 | ug/l | 97 |
| 13) Acrolein | 2.233 | 56 | 71978 | 268.519 | ug/l | 98 |
| 14) Allyl chloride | 2.660 | 41 | 105111 | 51.568 | ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 181852 | 270.194 | ug/l | 98 |
| 16) Acetone | 2.379 | 43 | 176899 | 263.114 | ug/l | 100 |
| 17) Carbon Disulfide | 2.507 | 76 | 105198 | 41.606 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 98895 | 63.388 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 197614 | 52.851 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 59651 | 46.299 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 50409 | 47.000 | ug/l | 92 |
| 22) Diisopropyl ether | 3.757 | 45 | 207508 | 52.704 | ug/l | 98 |
| 23) Vinyl Acetate | 3.715 | 43 | 910937 | 263.054 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 111459 | 50.826 | ug/l | 99 |
| 25) 2-Butanone | 4.550 | 43 | 266316 | 272.843 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 89521 | 52.155 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 63472 | 49.159 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 54142 | 51.292 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.001 | 42 | 166716 | 272.575 | ug/l | 98 |
| 30) Chloroform | 5.086 | 83 | 115698 | 50.618 | ug/l | 91 |
| 31) Cyclohexane | 5.464 | 56 | 92255 | 46.166 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 101459 | 51.206 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 72479 | 48.349 | ug/l | 100 |
| 37) Ethyl Acetate | 4.708 | 43 | 97648 | 52.723 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 85412 | 50.709 | ug/l | 99 |
| 39) Methylcyclohexane | 7.372 | 83 | 92549 | 47.954 | ug/l | 96 |
| 40) Benzene | 6.031 | 78 | 220133 | 50.133 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 56487m | 58.302 | ug/l | | |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 97361 | 51.375 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.336 | 43 | 158225 | 55.999 | ug/l | | 99 |
| 44) Trichloroethene | 7.123 | 130 | 53136 | 50.279 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.421 | 63 | 58016 | 53.136 | ug/l | | 99 |
| 46) Dibromomethane | 7.574 | 93 | 44309 | 51.454 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 92253 | 54.392 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.689 | 41 | 82925 | 57.467 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 28855 | 1053.147 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.567 | 43 | 524686 | 279.753 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 136068 | 50.537 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 84046 | 55.750 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 91612 | 54.982 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 56661 | 53.371 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.110 | 69 | 97493 | 57.619 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 98945 | 51.895 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 231542 | 268.416 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 395700 | 285.172 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 64591 | 55.399 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 58405 | 52.931 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.268 | 164 | 48977 | 50.481 | ug/l | | 96 |
| 65) Chlorobenzene | 10.073 | 112 | 148639 | 49.525 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 53302 | 52.010 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 272231 | 51.457 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 197275 | 101.954 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 97901 | 51.899 | ug/l | | 98 |
| 70) Styrene | 10.652 | 104 | 165627 | 53.599 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 42491 | 55.224 | ug/l | # | 97 |
| 73) Isopropylbenzene | 10.957 | 105 | 265569 | 51.196 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 138648 | 54.091 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 91010 | 50.066 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 81837m | 51.027 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 59541 | 49.441 | ug/l | | 100 |
| 78) n-propylbenzene | 11.299 | 91 | 311660 | 51.673 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 191122 | 49.128 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 224812 | 51.877 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.012 | 75 | 27002 | 54.814 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 219638 | 50.910 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 222135 | 50.888 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 225740 | 51.438 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 280123 | 52.265 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 232168 | 52.479 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.963 | 146 | 109948 | 50.025 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 111425 | 49.641 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 210250 | 54.179 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 41404 | 53.122 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 112487 | 51.002 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 22183 | 55.085 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 66261 | 52.307 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 29675 | 53.637 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 242188 | 52.127 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 67021 | 51.275 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

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

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

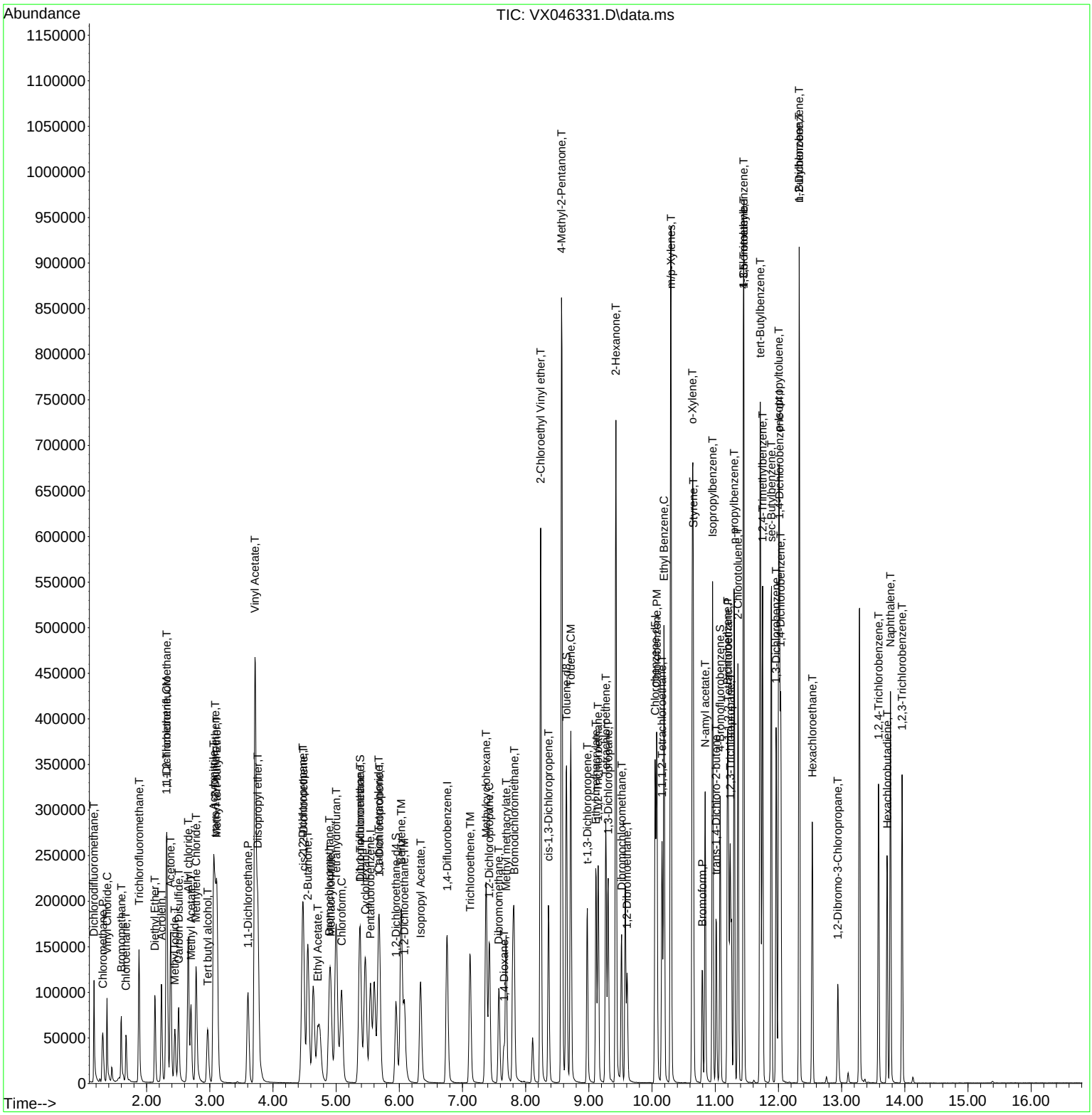
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Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

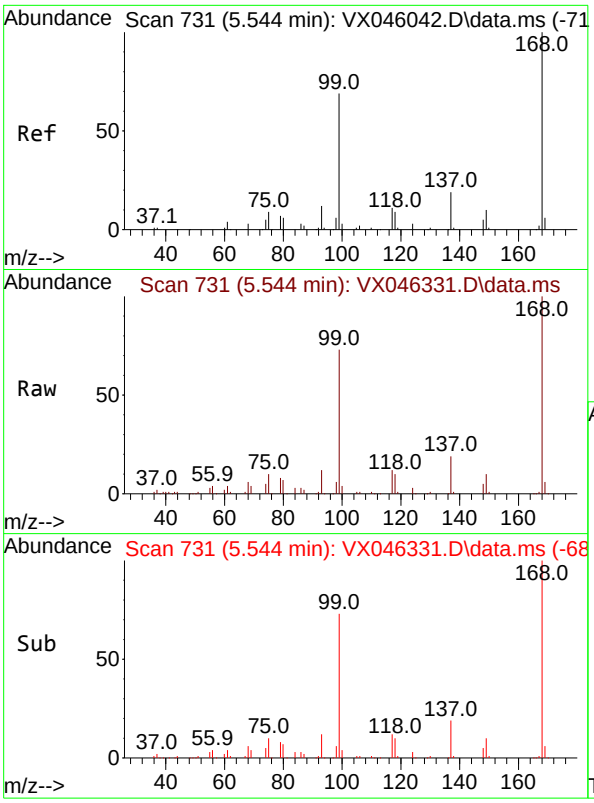
Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

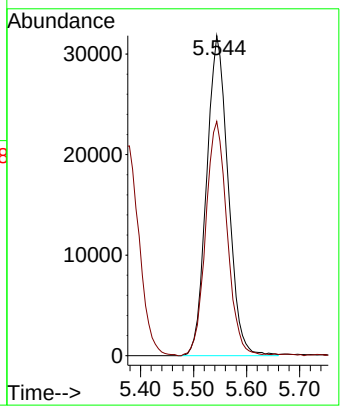





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:168 Resp: 8994

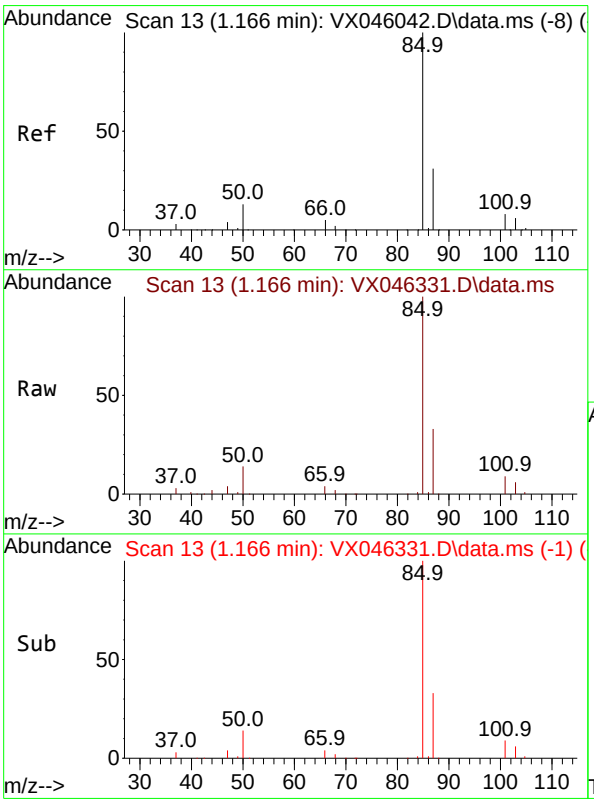
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 73.2 | 54.9 | 82.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

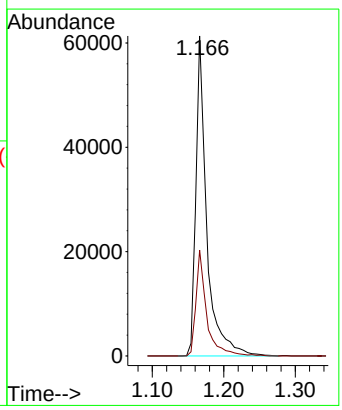
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

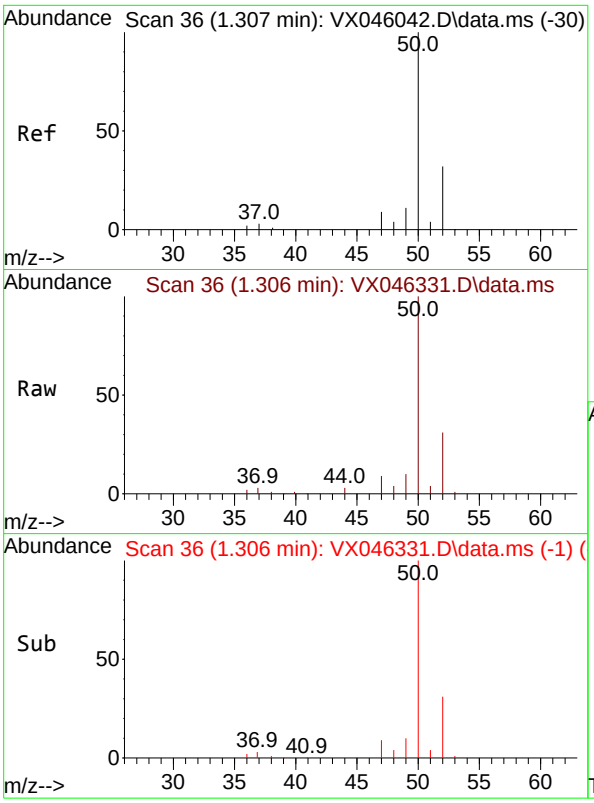



#2
Dichlorodifluoromethane
Concen: 46.886 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 85 Resp: 64545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.1 | 15.7 | 47.1 |

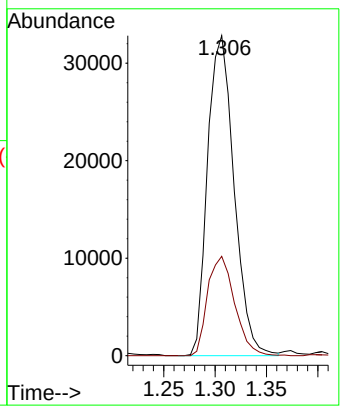





#3
Chloromethane
Concen: 44.072 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 50 Resp: 5883

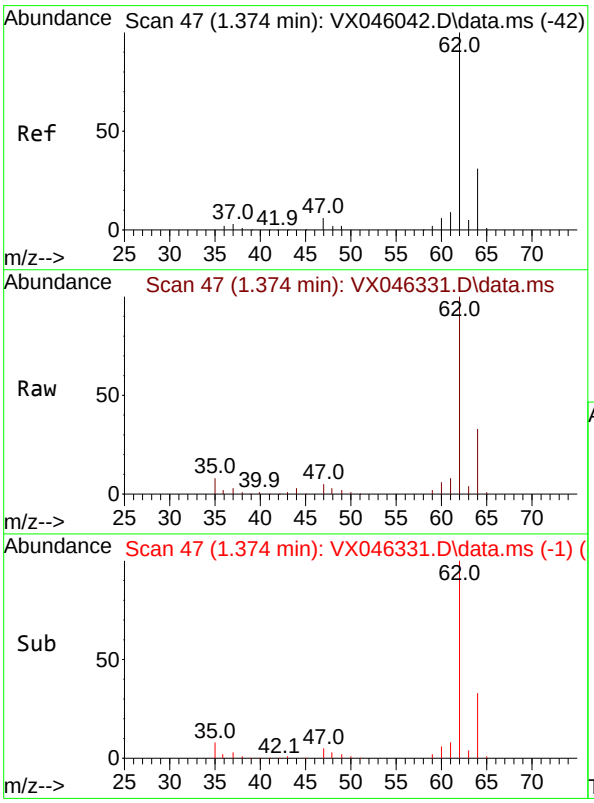
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.0 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

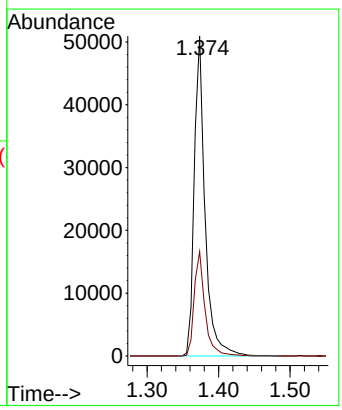
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

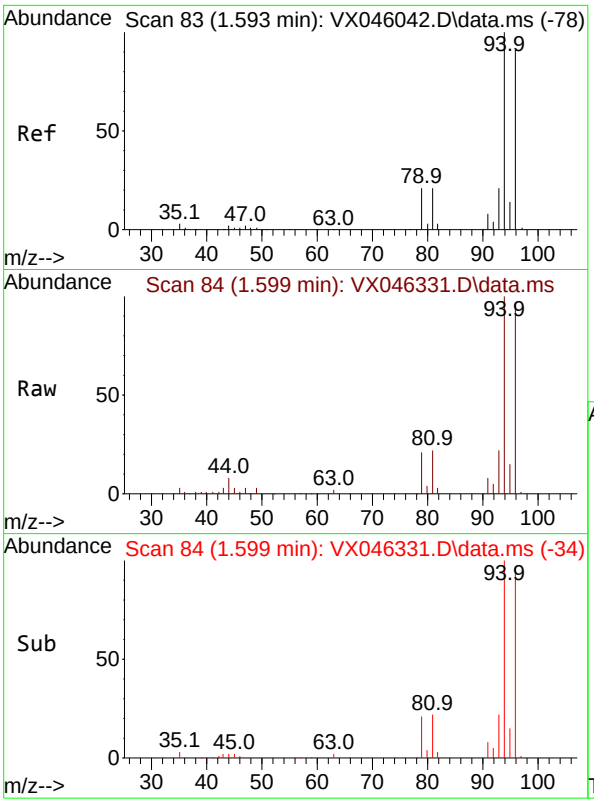



#4
Vinyl Chloride
Concen: 42.877 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 62 Resp: 53273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.6 | 25.2 | 37.8 |

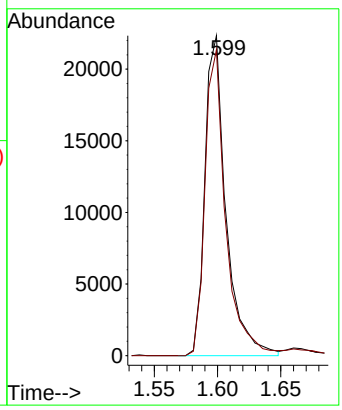





#5
Bromomethane
Concen: 45.004 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 94 Resp: 2593

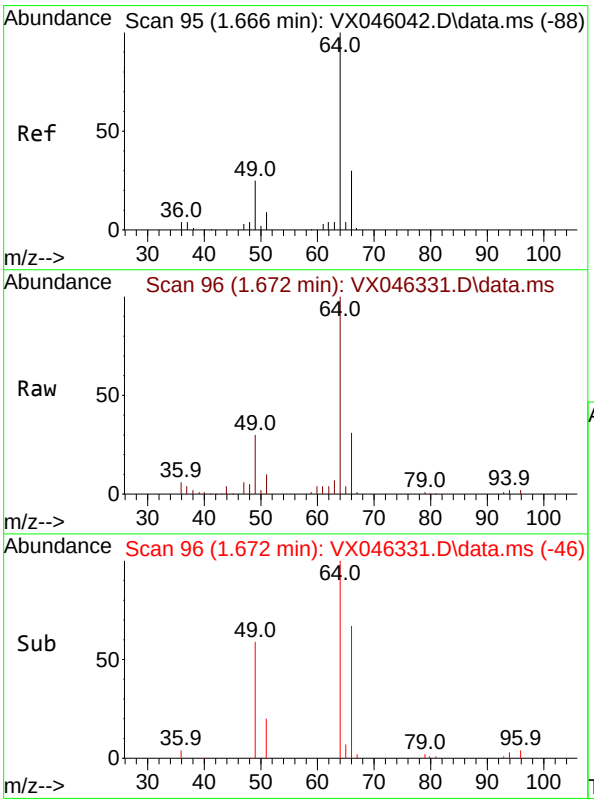
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.6 | 72.8 | 109.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

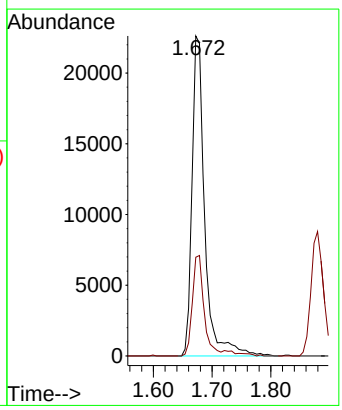
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

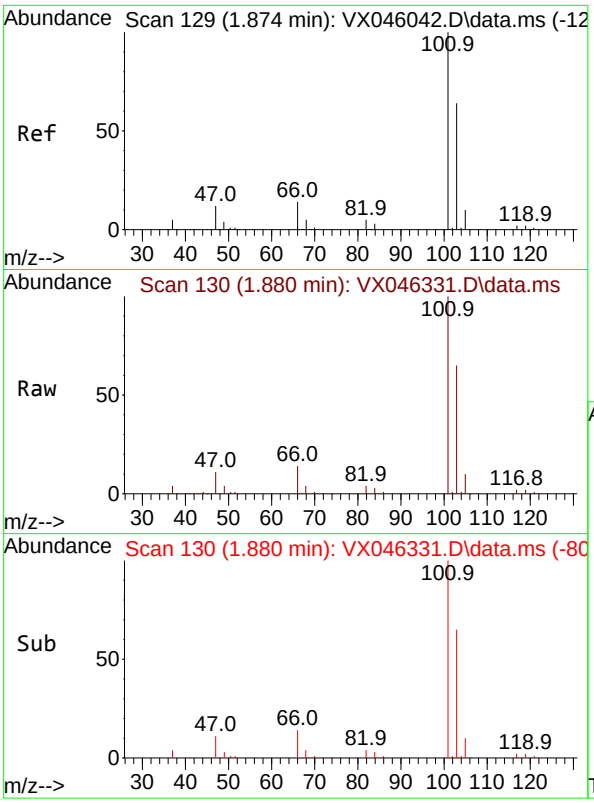



#6
Chloroethane
Concen: 51.230 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 64 Resp: 33980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.9 | 24.3 | 36.5 |

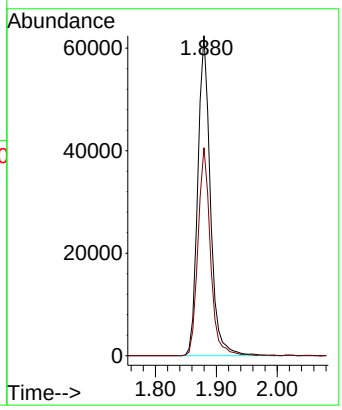





#7
Trichlorofluoromethane
Concen: 48.653 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:101 Resp: 8933

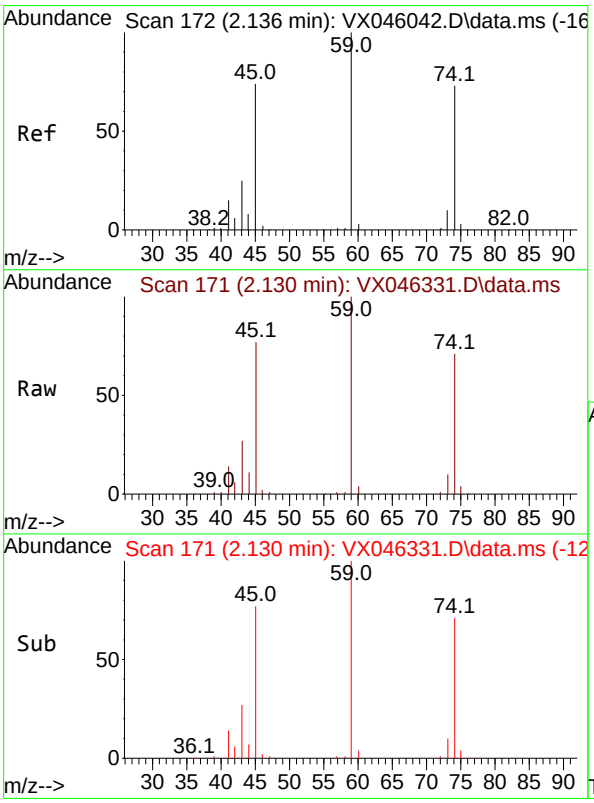
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.0 | 51.0 | 76.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

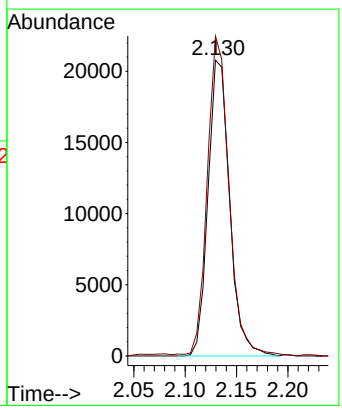
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

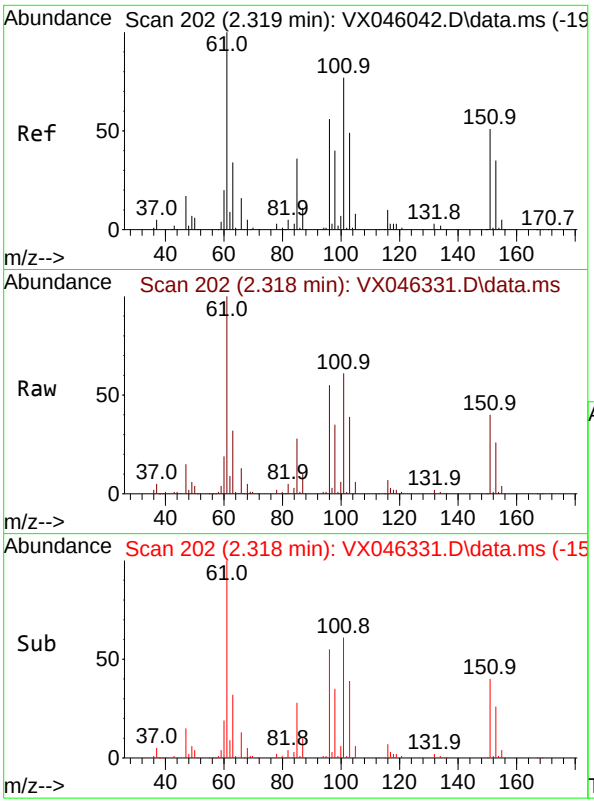



#8
Diethyl Ether
Concen: 48.706 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 74 Resp: 30446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 108.6 | 54.9 | 164.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.939 ug/l
RT: 2.318 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

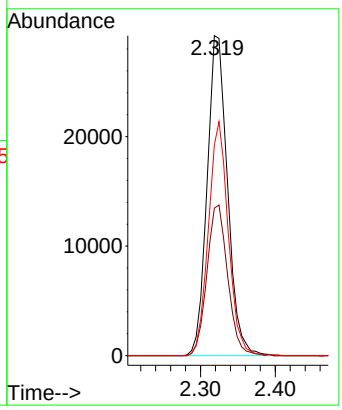
Tgt Ion:101 Resp: 5561

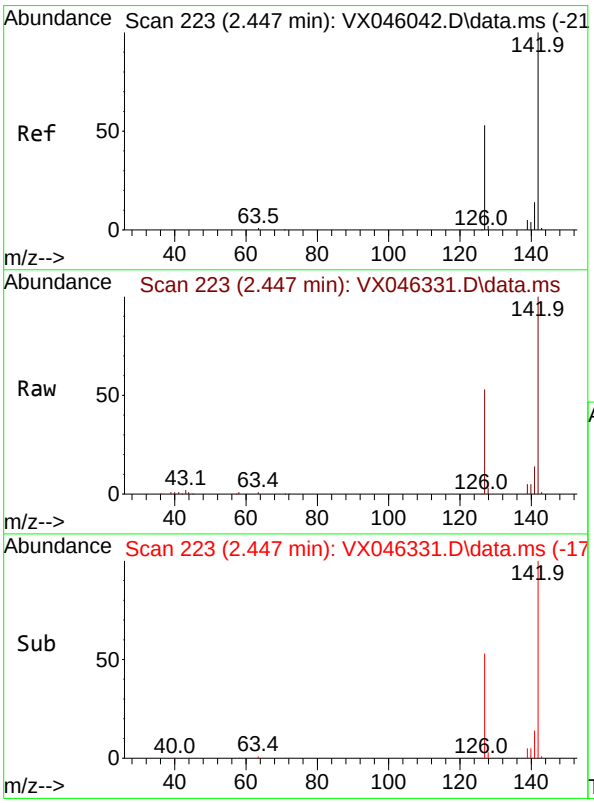
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.0 | 38.6 | 58.0 |
| 151 | 71.0 | 55.2 | 82.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

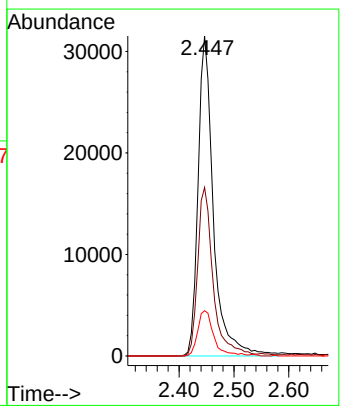


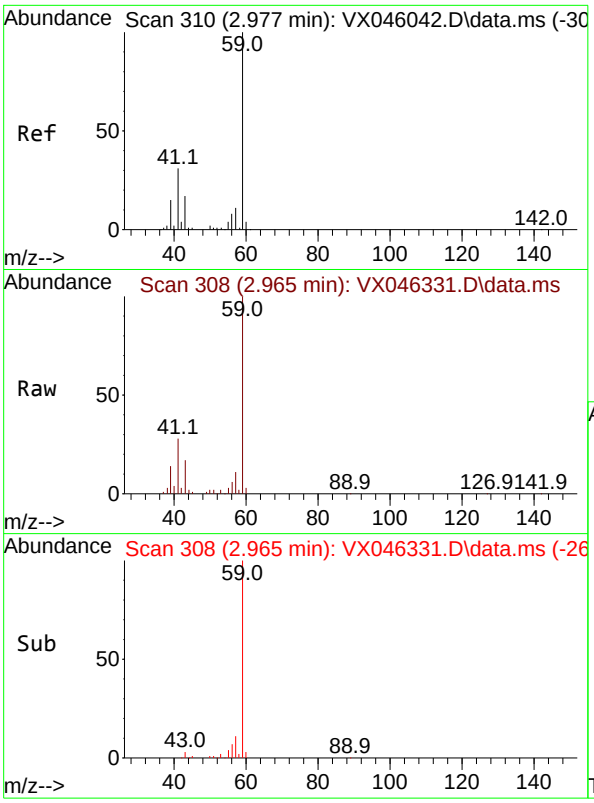




#10
Methyl Iodide
Concen: 45.758 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:142 Resp: 61527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.7 | 41.7 | 62.5 |
| 141 | 14.7 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 274.166 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

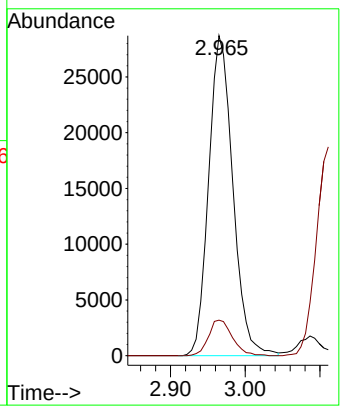
Tgt Ion: 59 Resp: 6453

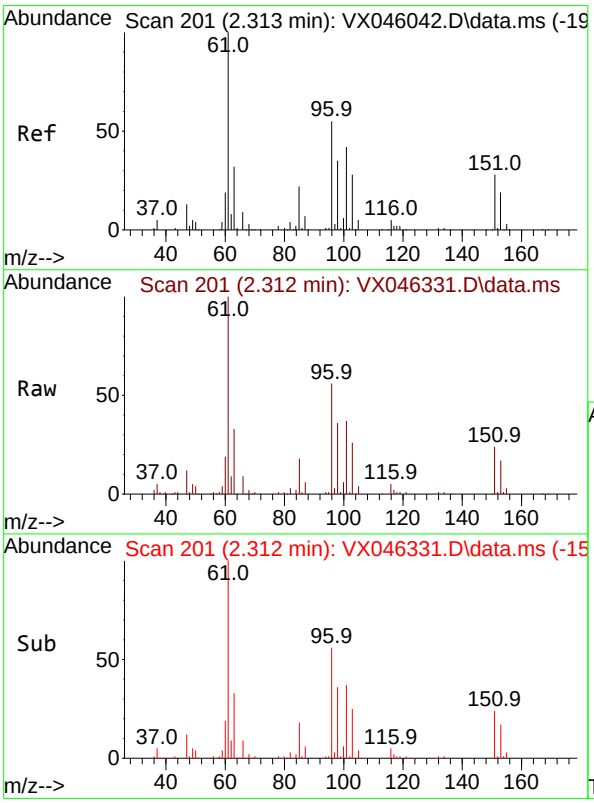
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.0 | 8.6 | 12.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

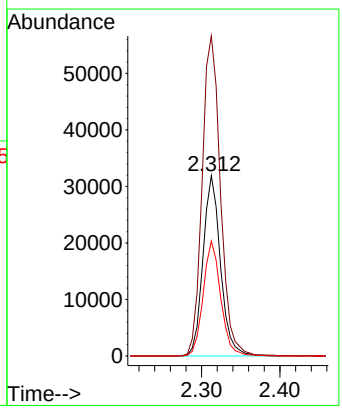


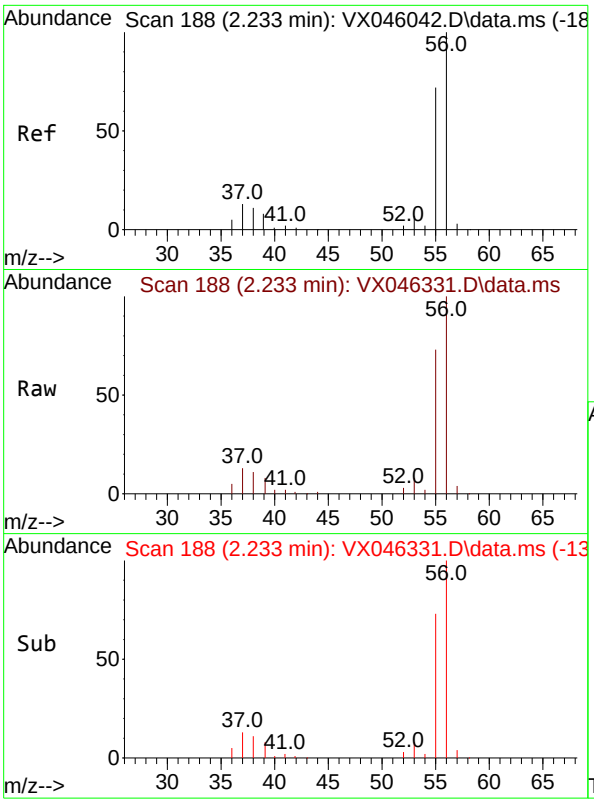




#12
1,1-Dichloroethene
Concen: 46.384 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 96 Resp: 49469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 177.5 | 146.2 | 219.2 |
| 98 | 63.7 | 51.0 | 76.6 |

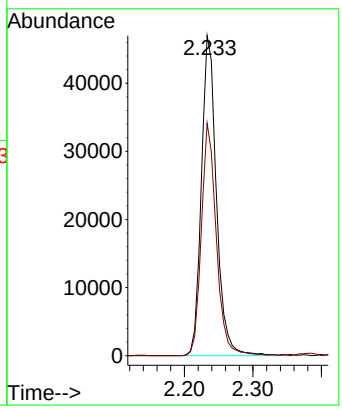





#13
Acrolein
Concen: 268.519 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 56 Resp: 7197

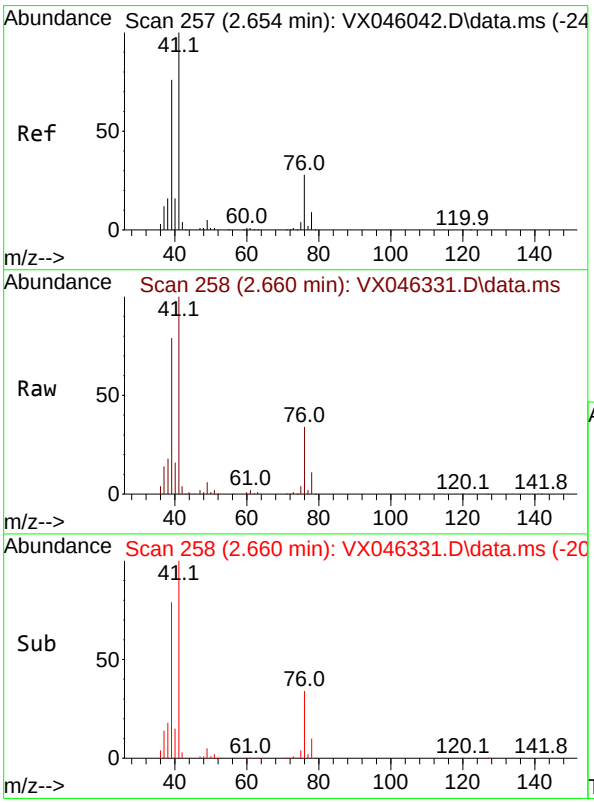
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.3 | 56.2 | 84.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

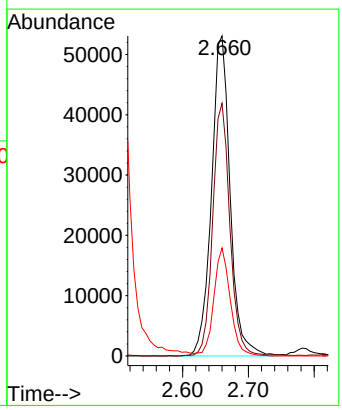
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

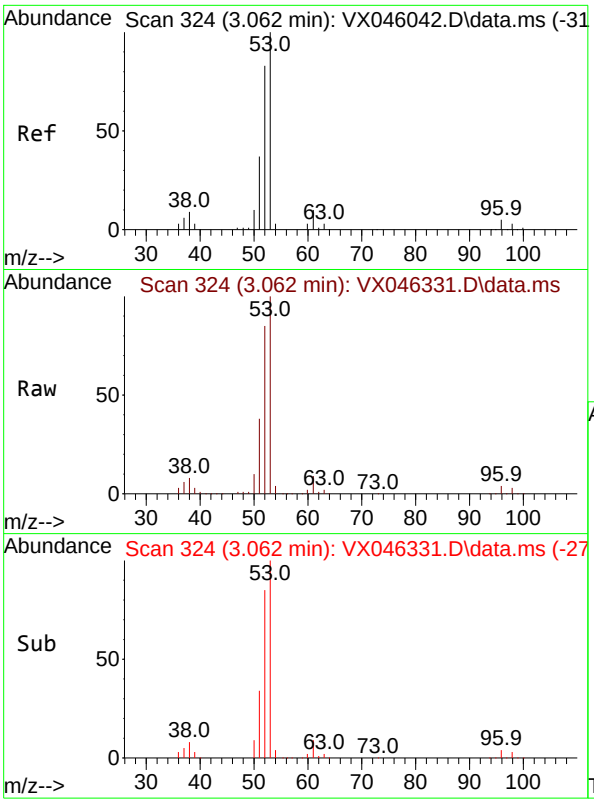



#14
Allyl chloride
Concen: 51.568 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 41 Resp: 105111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.7 | 60.6 | 90.8 |
| 76 | 29.7 | 24.9 | 37.3 |

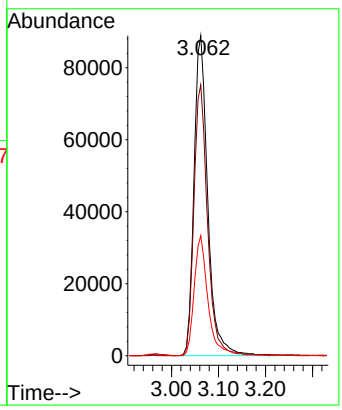





#15
Acrylonitrile
Concen: 270.194 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 53 Resp: 18185

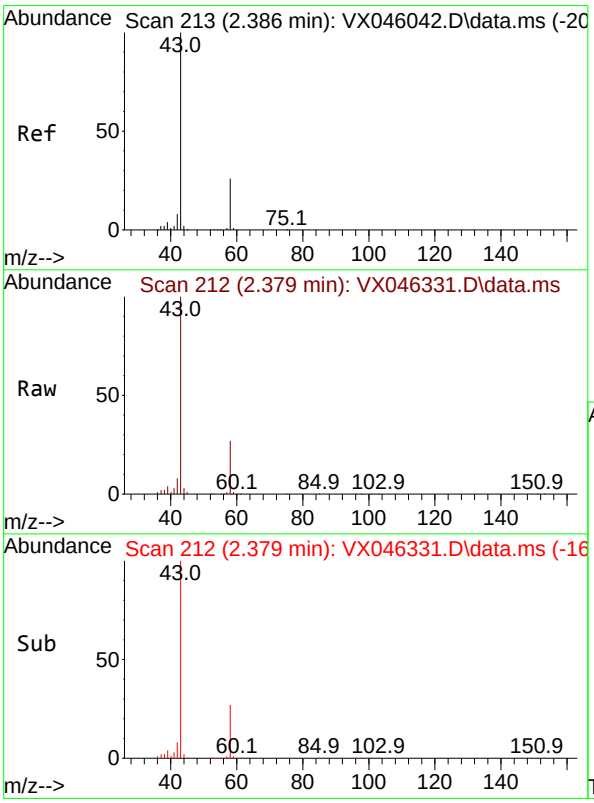
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.1 | 65.3 | 97.9 |
| 51 | 37.3 | 29.8 | 44.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

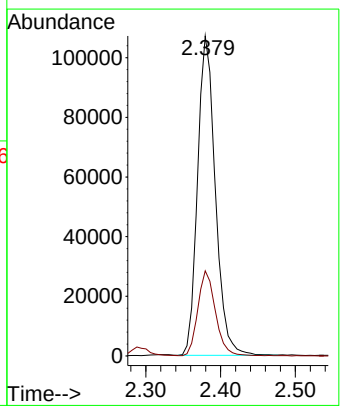
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

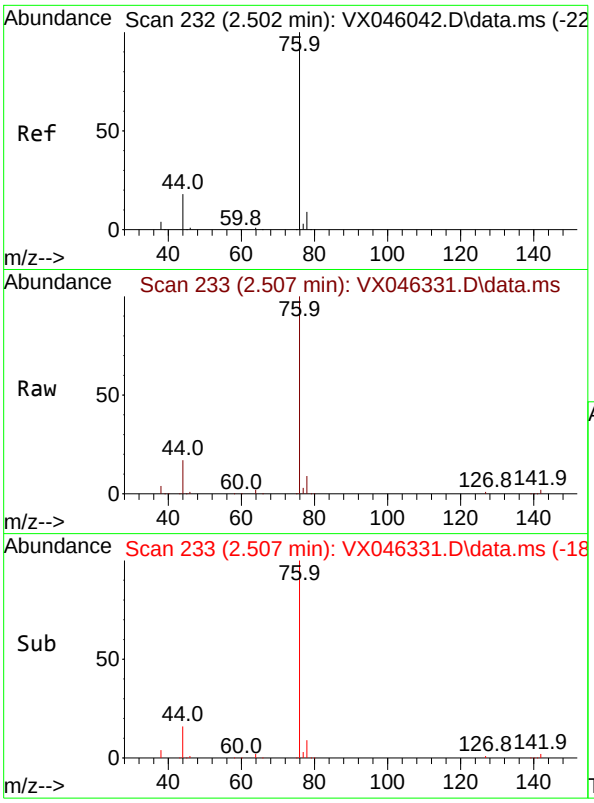



#16
Acetone
Concen: 263.114 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 176899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.6 | 21.2 | 31.8 |

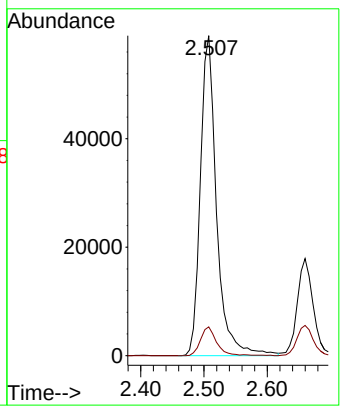





#17
Carbon Disulfide
Concen: 41.606 ug/l
RT: 2.507 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 76 Resp: 10519

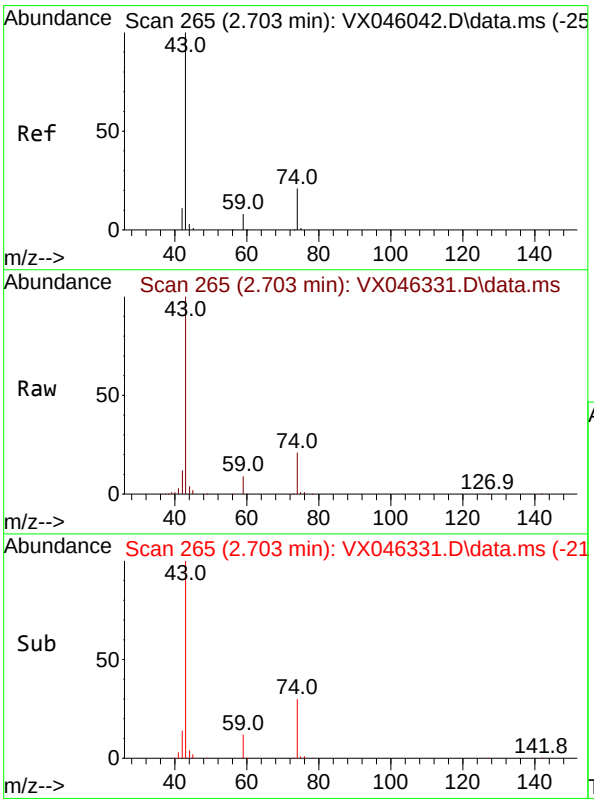
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.0 | 10.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

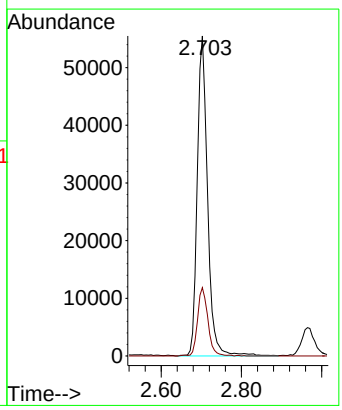
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

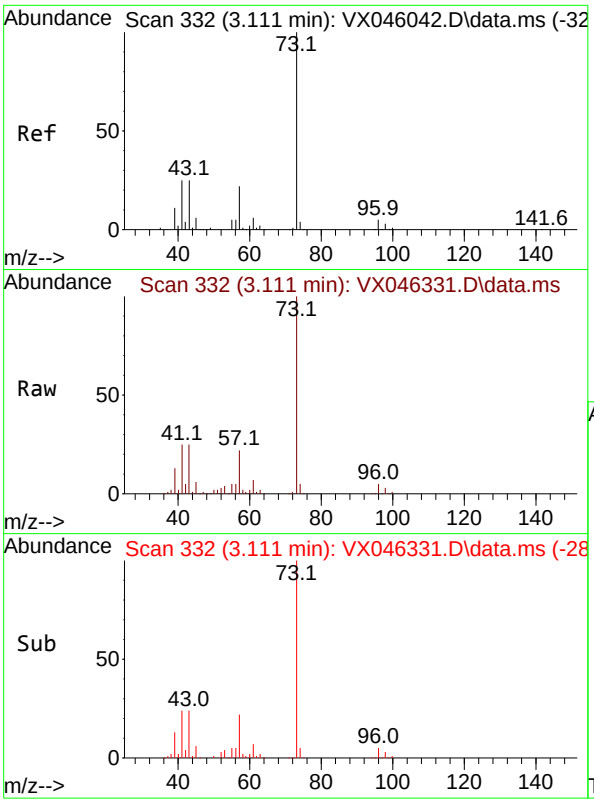



#18
Methyl Acetate
Concen: 63.388 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 98895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.4 | 16.7 | 25.1 |

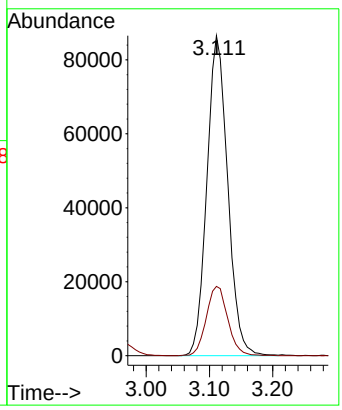





#19
Methyl tert-butyl Ether
Concen: 52.851 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 73 Resp: 19761

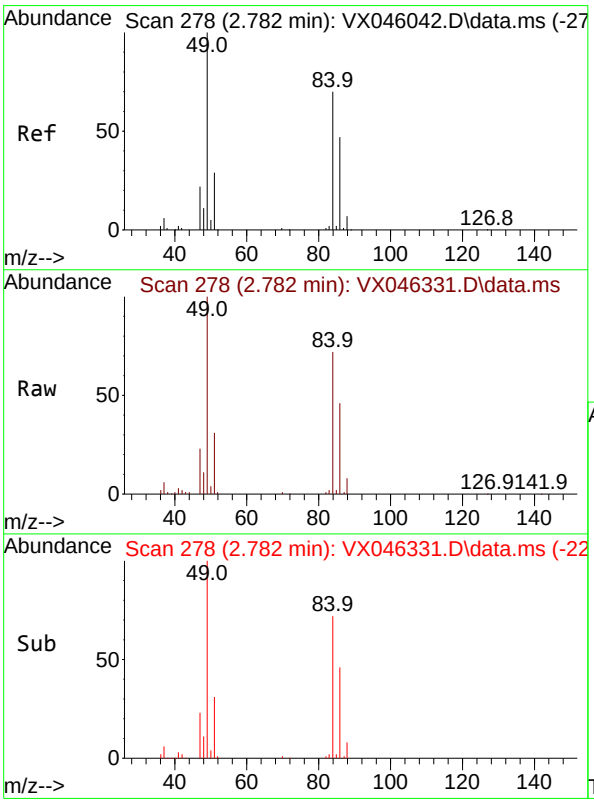
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.7 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

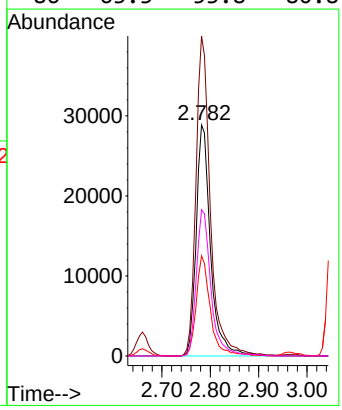
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

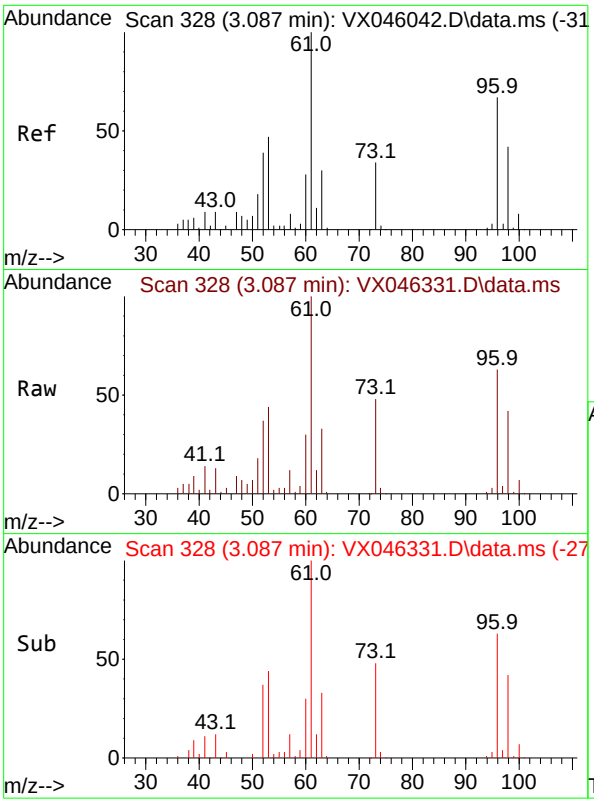



#20
Methylene Chloride
Concen: 46.299 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 84 Resp: 59651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 138.5 | 113.9 | 170.9 |
| 51 | 43.3 | 33.5 | 50.3 |
| 86 | 63.3 | 53.8 | 80.8 |

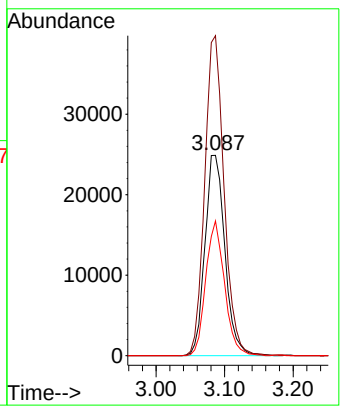





#21
trans-1,2-Dichloroethene
Concen: 47.000 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 96 Resp: 5040

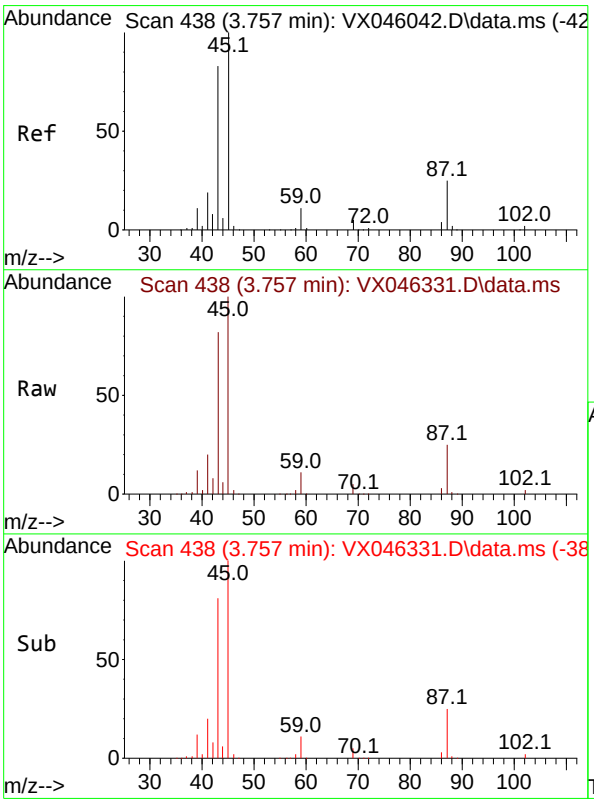
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.7 | 119.5 | 179.3 |
| 98 | 67.3 | 50.0 | 75.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

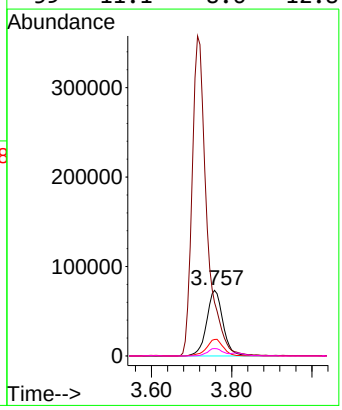
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

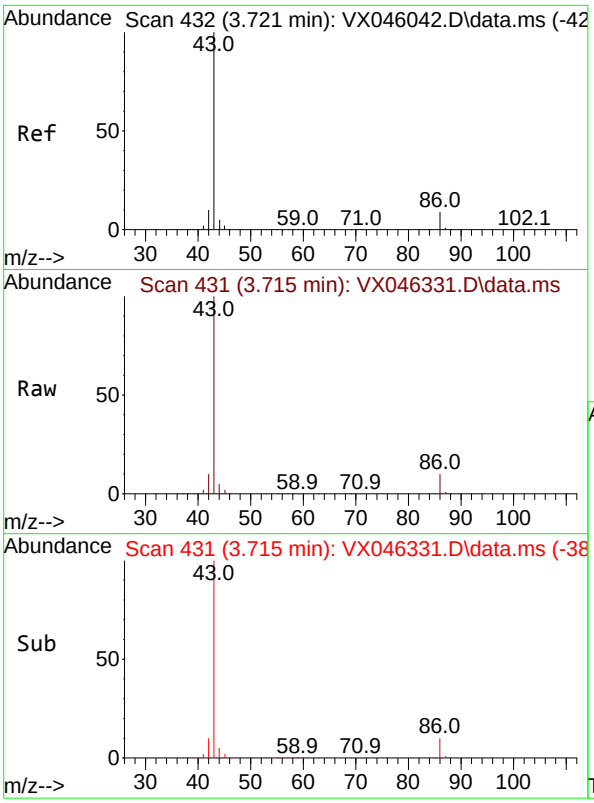



#22
Diisopropyl ether
Concen: 52.704 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 45 Resp: 207508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 81.5 | 66.6 | 100.0 |
| 87 | 25.1 | 19.8 | 29.6 |
| 59 | 11.1 | 8.6 | 12.8 |






#23
Vinyl Acetate
Concen: 263.054 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

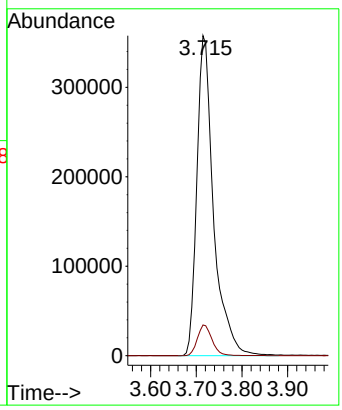
Tgt Ion: 43 Resp: 91093

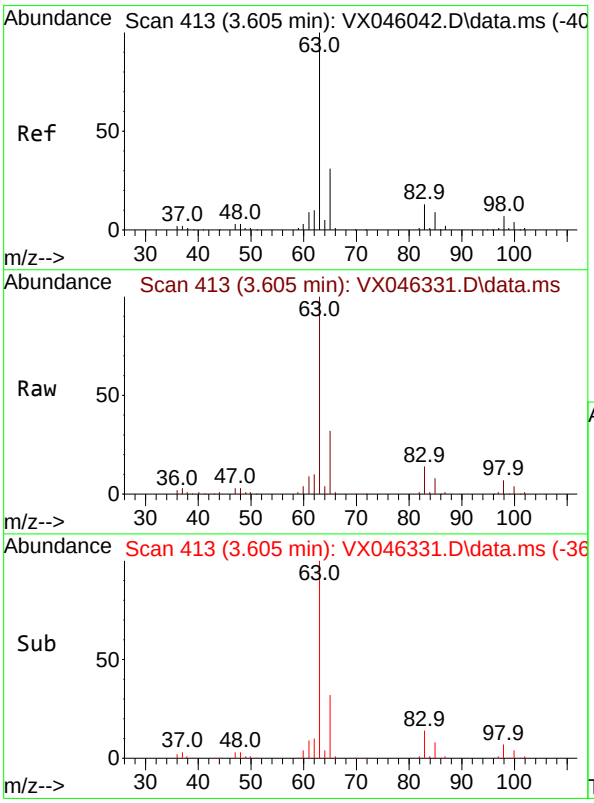
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.6 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

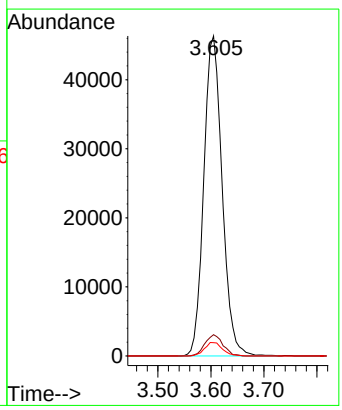


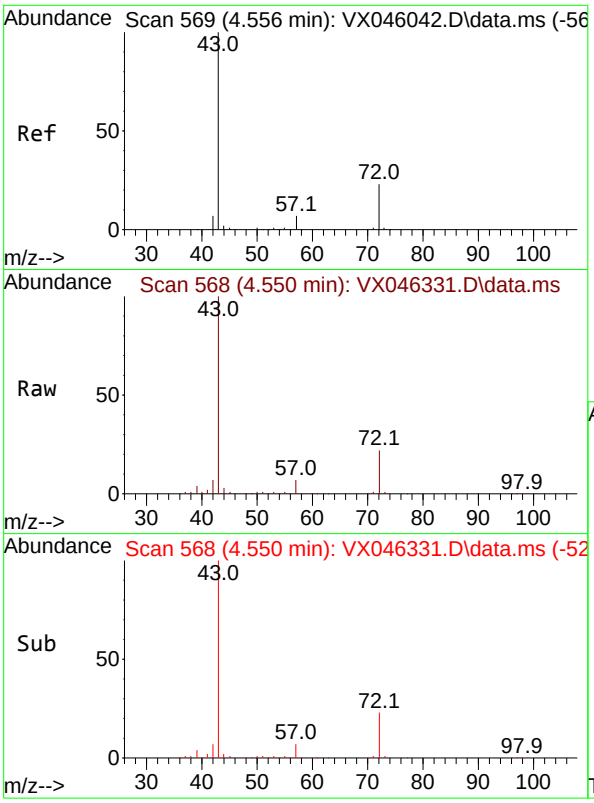




#24
1,1-Dichloroethane
Concen: 50.826 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 63 Resp: 111459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.6 | 3.6 | 10.8 |
| 100 | 4.1 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 272.843 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

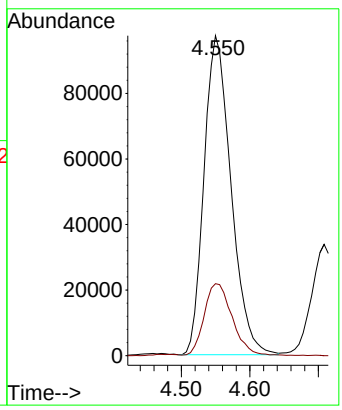
Tgt Ion: 43 Resp: 26631

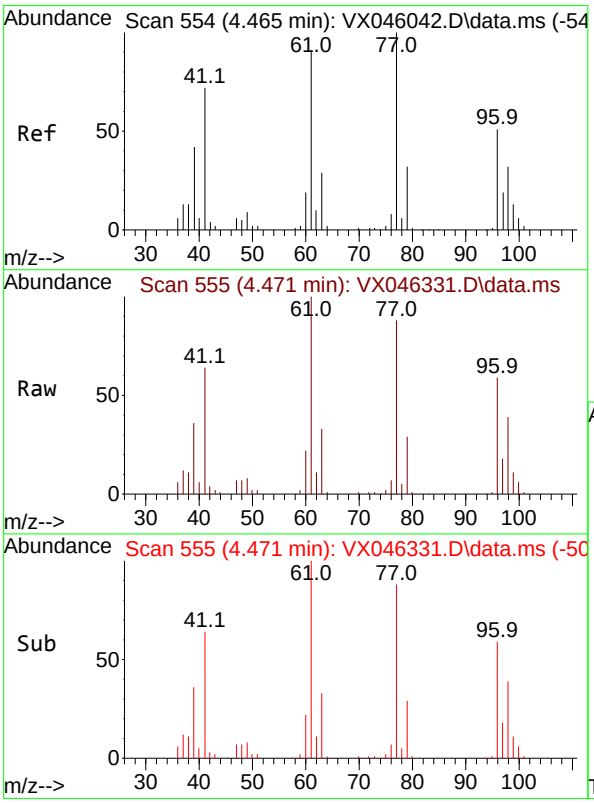
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.3 | 18.4 | 27.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

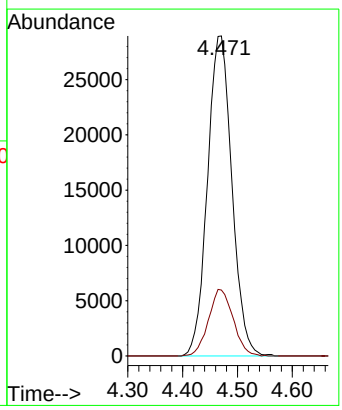


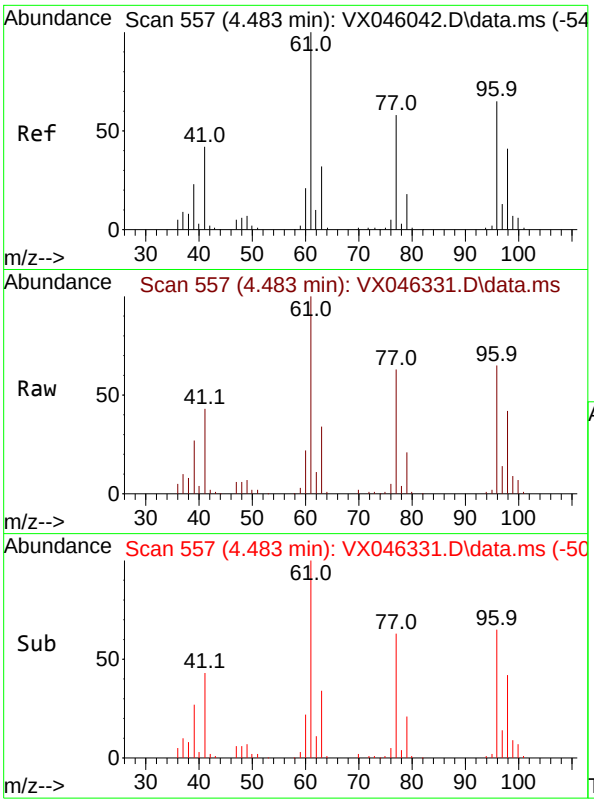




#26
2,2-Dichloropropane
Concen: 52.155 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 77 Resp: 89521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.0 | 10.5 | 31.5 |






#27
cis-1,2-Dichloroethene
Concen: 49.159 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

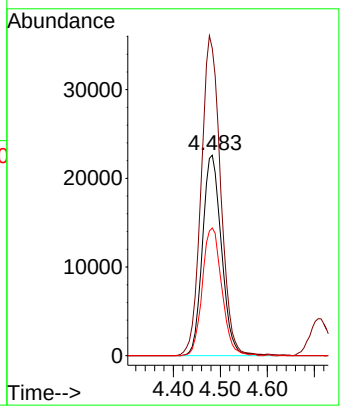
Tgt Ion: 96 Resp: 6347

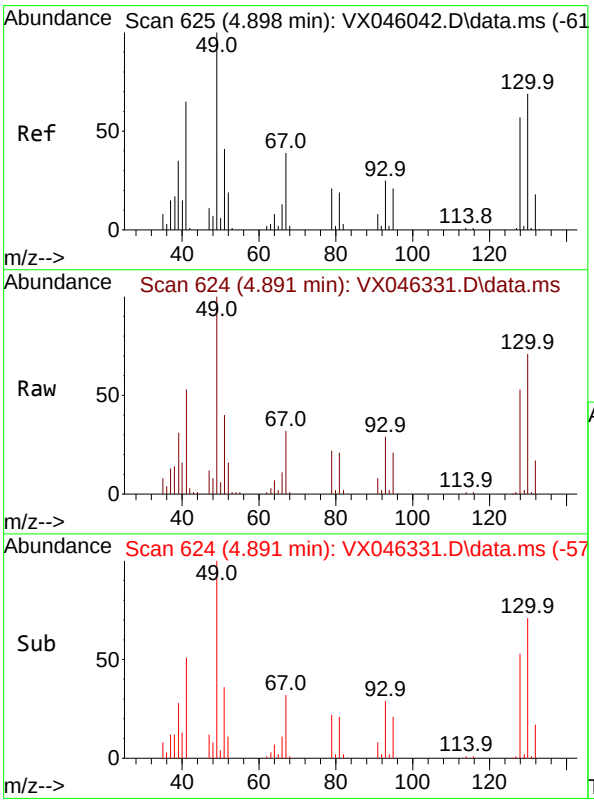
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.9 | 0.0 | 322.8 |
| 98 | 65.1 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

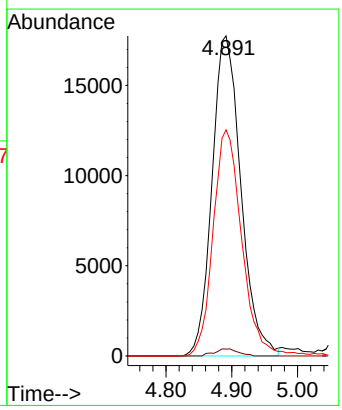


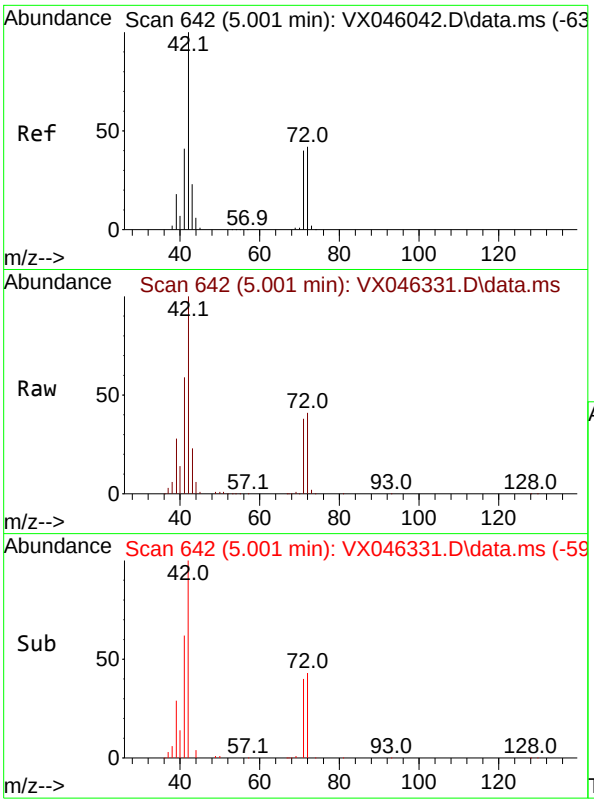




#28
Bromochloromethane
Concen: 51.292 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 49 Resp: 54142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 4.0 |
| 130 | 70.2 | 56.2 | 84.2 |






#29
Tetrahydrofuran
Concen: 272.575 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

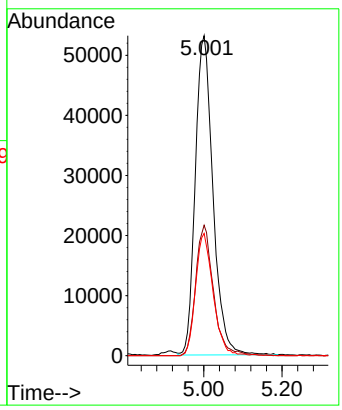
Tgt Ion: 42 Resp: 16671

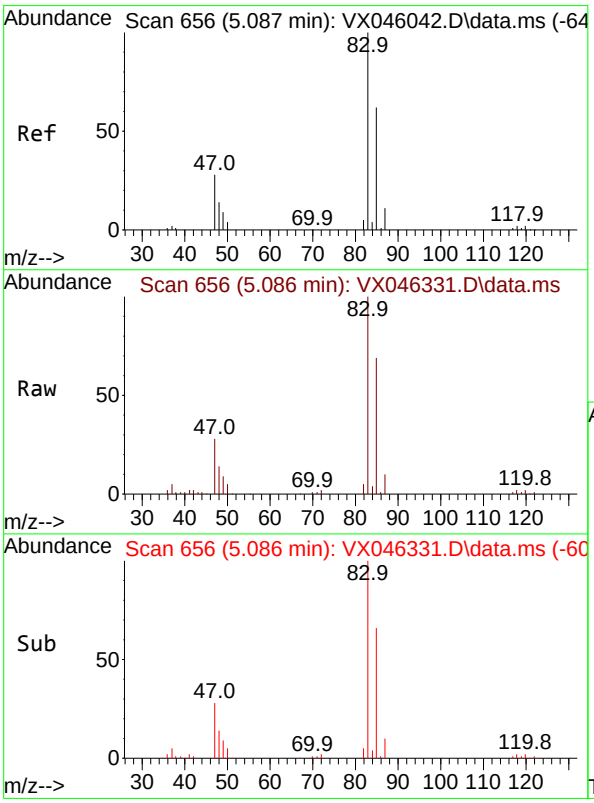
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.2 | 33.7 | 50.5 |
| 71 | 37.9 | 31.4 | 47.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

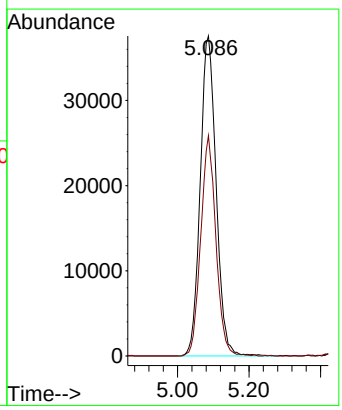


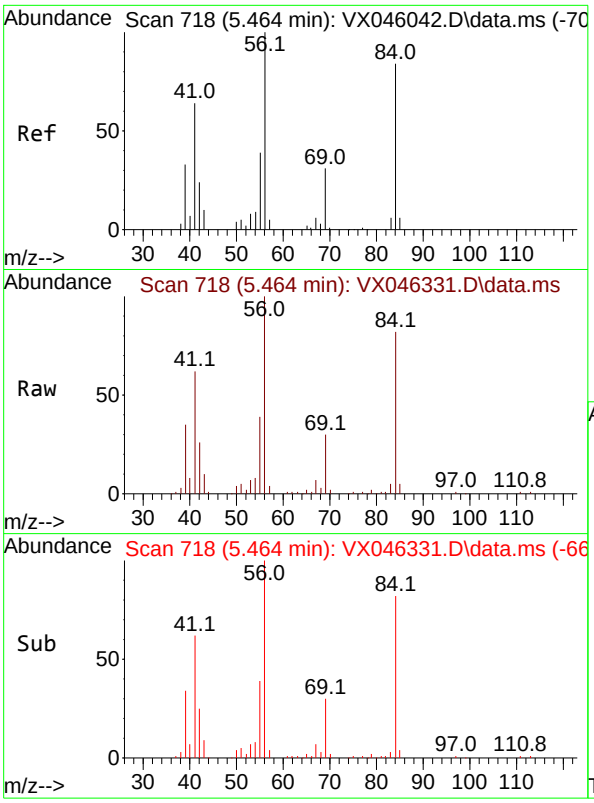




#30
Chloroform
Concen: 50.618 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 83 Resp: 115698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.9 | 49.3 | 73.9 |

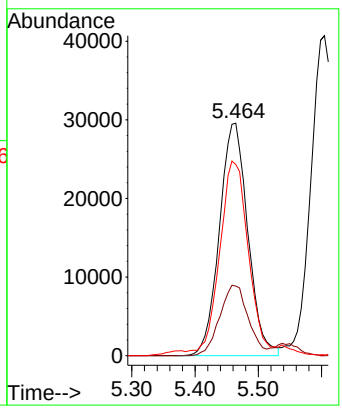





#31
Cyclohexane
Concen: 46.166 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 56 Resp: 9225

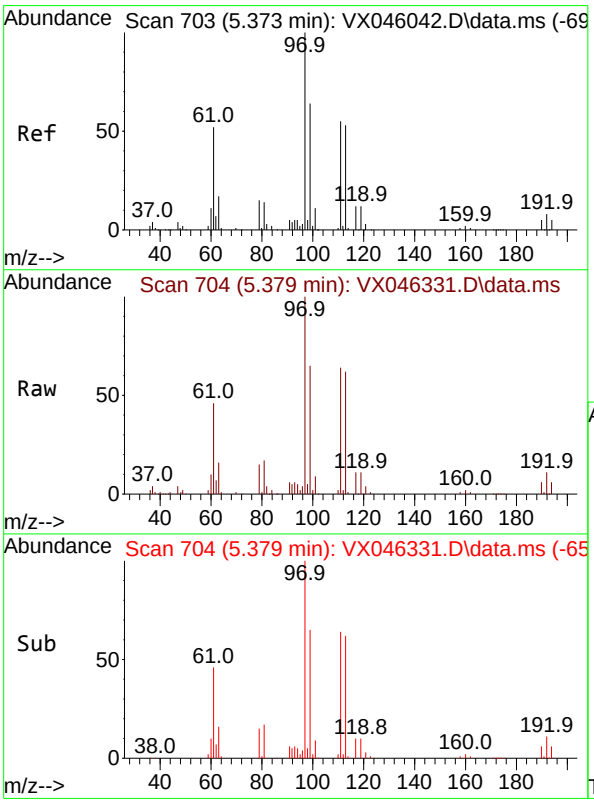
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.0 | 24.4 | 36.6 |
| 84 | 80.1 | 66.9 | 100.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

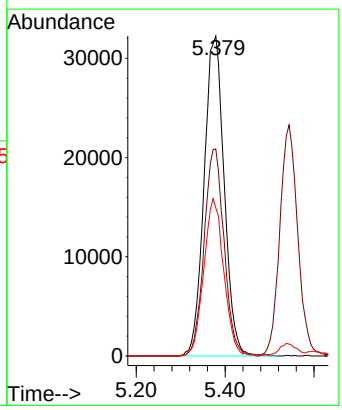
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

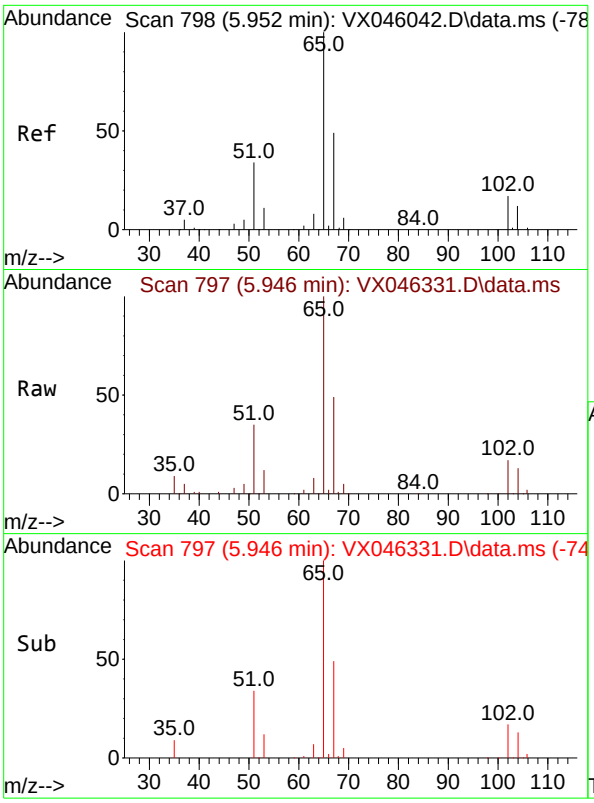



#32
1,1,1-Trichloroethane
Concen: 51.206 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 97 Resp: 101459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 51.8 | 77.6 |
| 61 | 49.1 | 40.1 | 60.1 |






#33
1,2-Dichloroethane-d4
Concen: 51.802 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

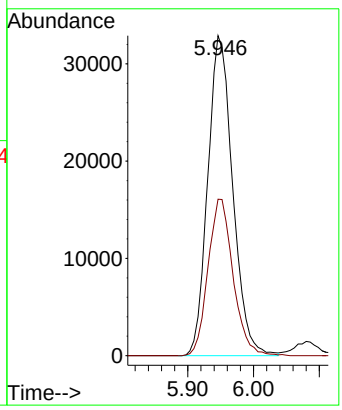
Tgt Ion: 65 Resp: 8686

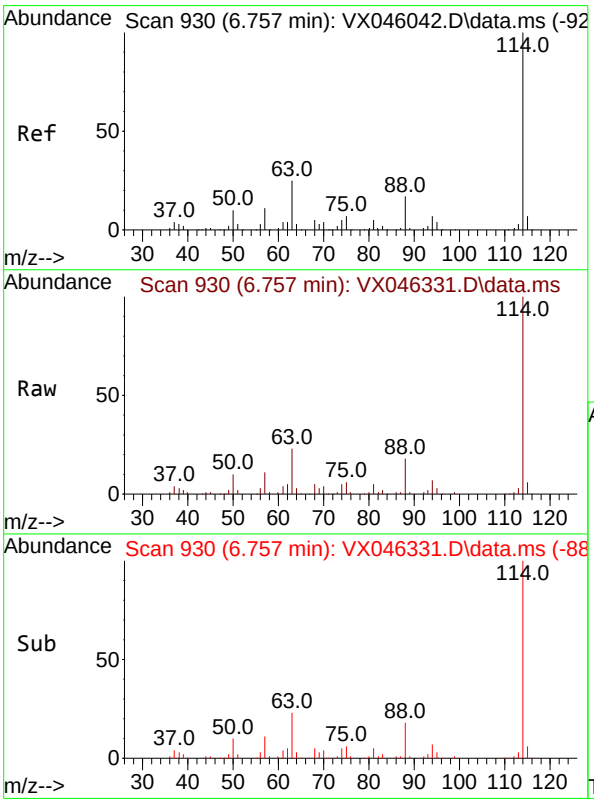
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.1 | 0.0 | 99.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

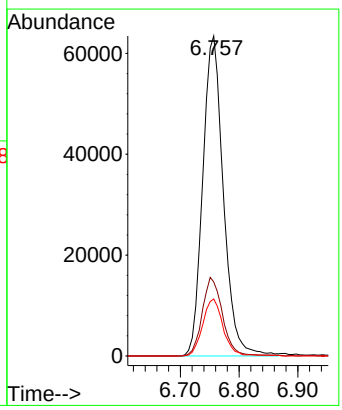


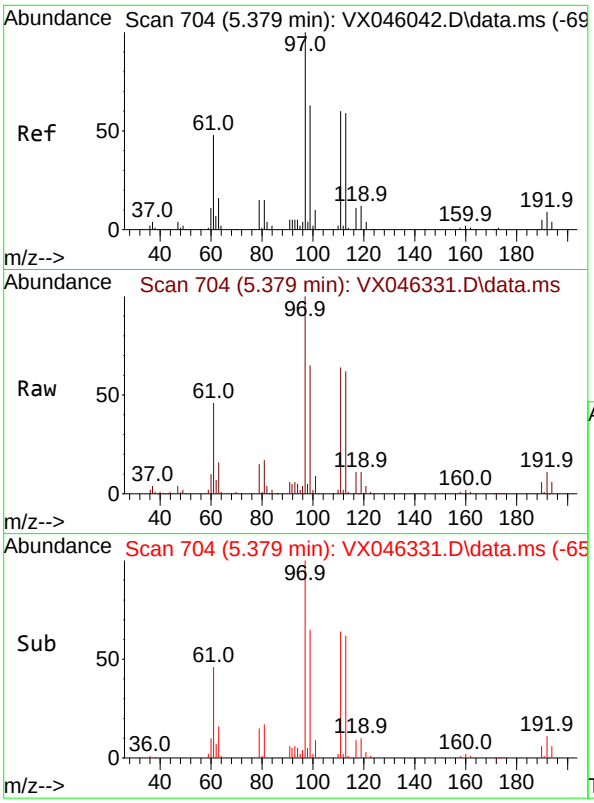




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:114 Resp: 154938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.1 | 0.0 | 49.2 |
| 88 | 17.8 | 0.0 | 33.6 |

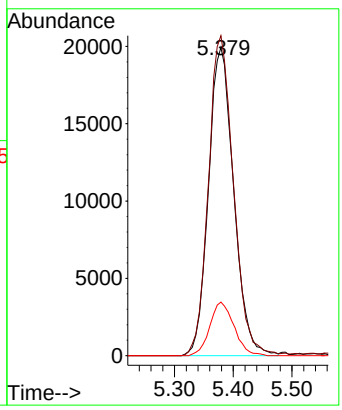





#35
Dibromofluoromethane
Concen: 53.265 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:113 Resp: 5942

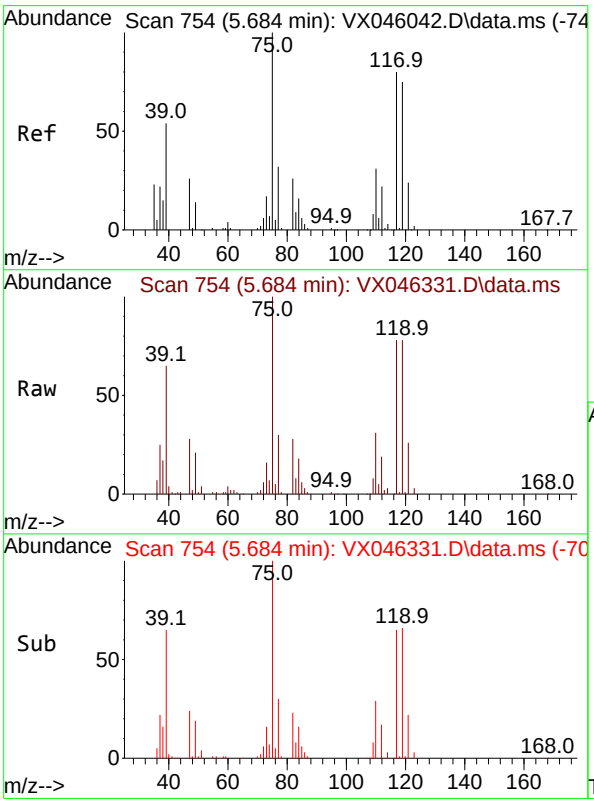
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.2 | 83.1 | 124.7 |
| 192 | 16.7 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

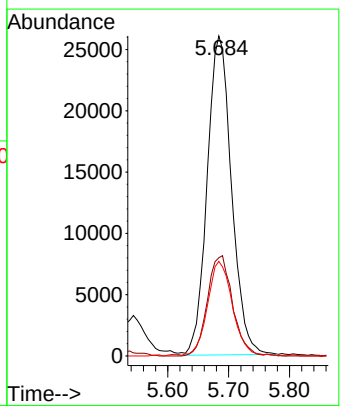
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

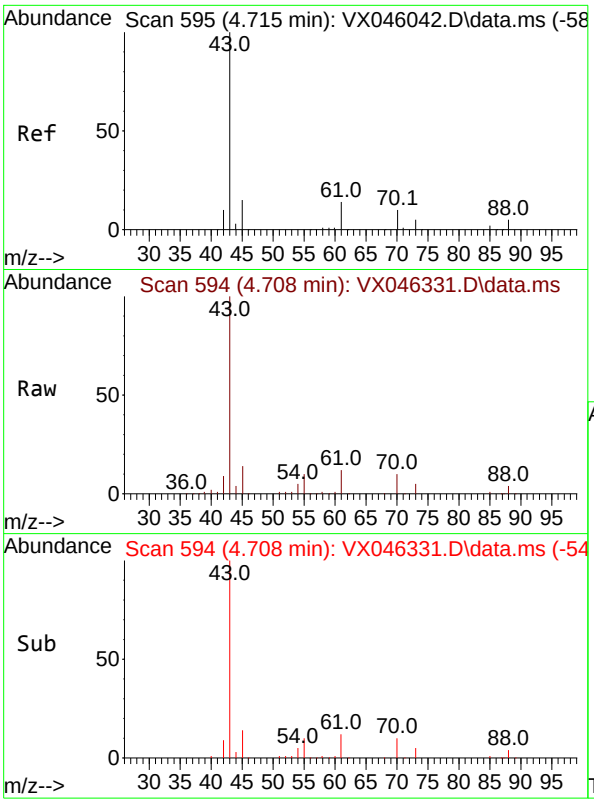



#36
1,1-Dichloropropene
Concen: 48.349 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 72479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.3 | 16.3 | 48.9 |
| 77 | 30.3 | 24.3 | 36.5 |

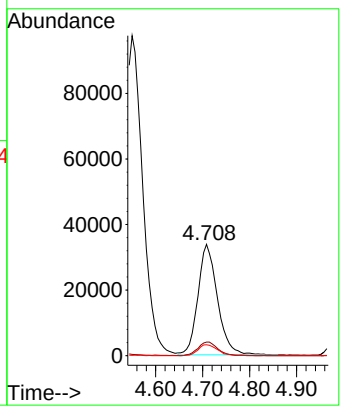





#37
Ethyl Acetate
Concen: 52.723 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 9764

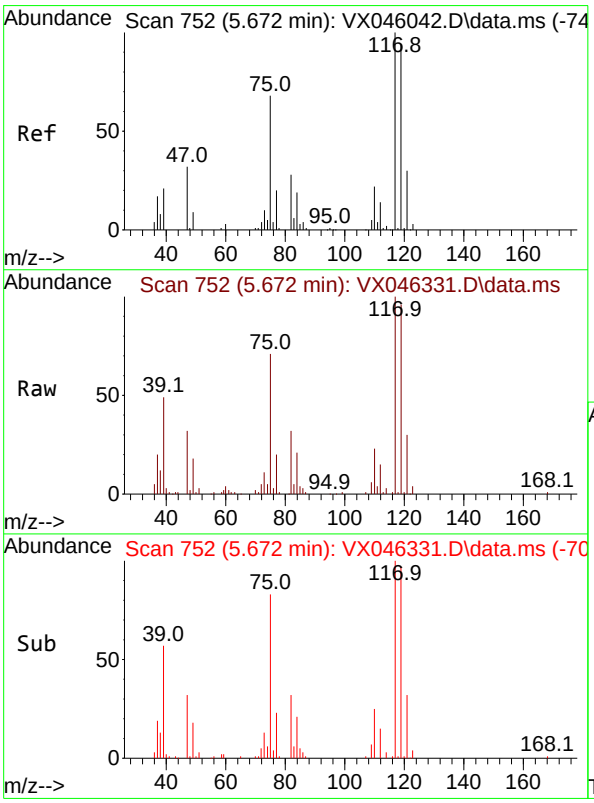
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.5 | 10.3 | 15.5 |
| 70 | 9.9 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

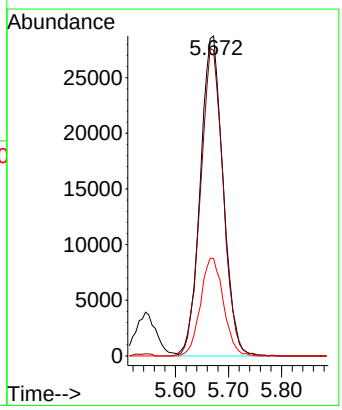
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

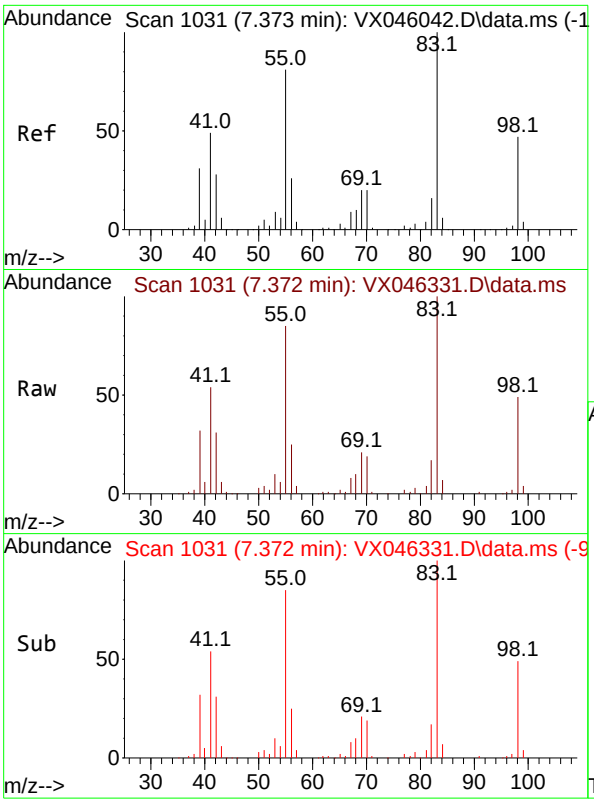



#38
Carbon Tetrachloride
Concen: 50.709 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:117 Resp: 85412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 75.2 | 112.8 |
| 121 | 30.4 | 24.2 | 36.4 |

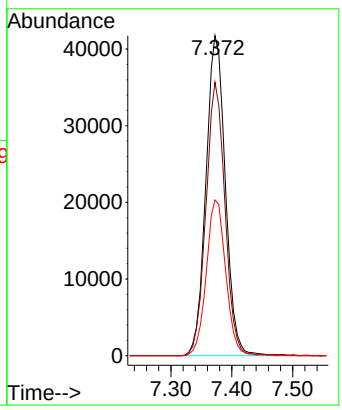





#39
Methylcyclohexane
Concen: 47.954 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 83 Resp: 9254

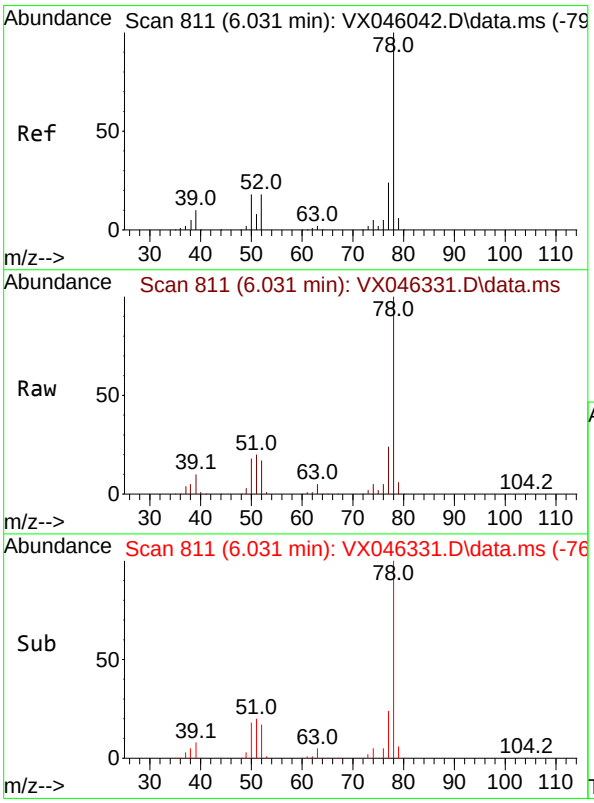
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 85.5 | 64.7 | 97.1 |
| 98 | 48.7 | 37.4 | 56.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

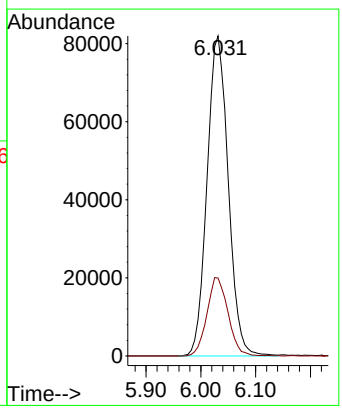
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

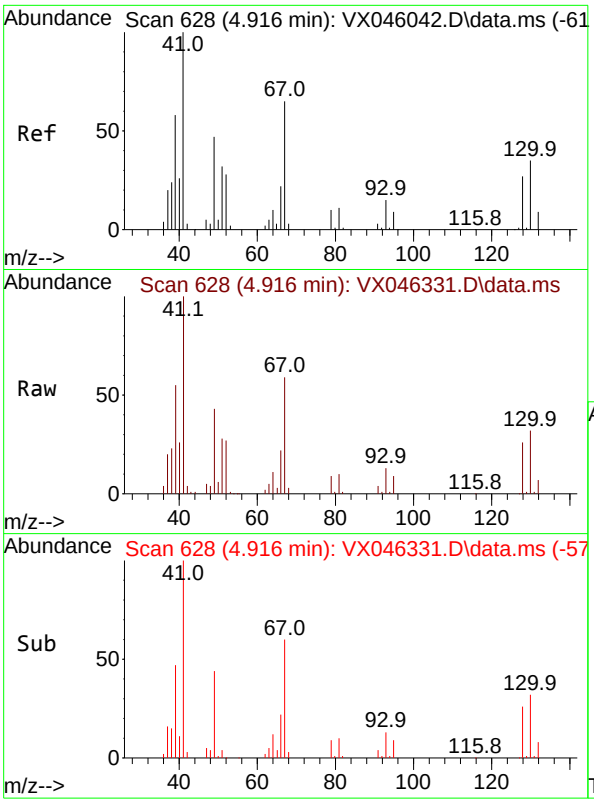



#40
Benzene
Concen: 50.133 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 78 Resp: 220133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.4 | 19.0 | 28.4 |

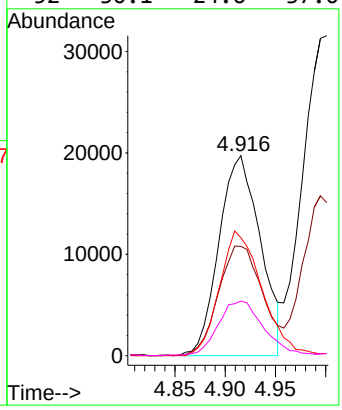





#41
Methacrylonitrile
Concen: 58.302 ug/l m
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 41 Resp: 5648

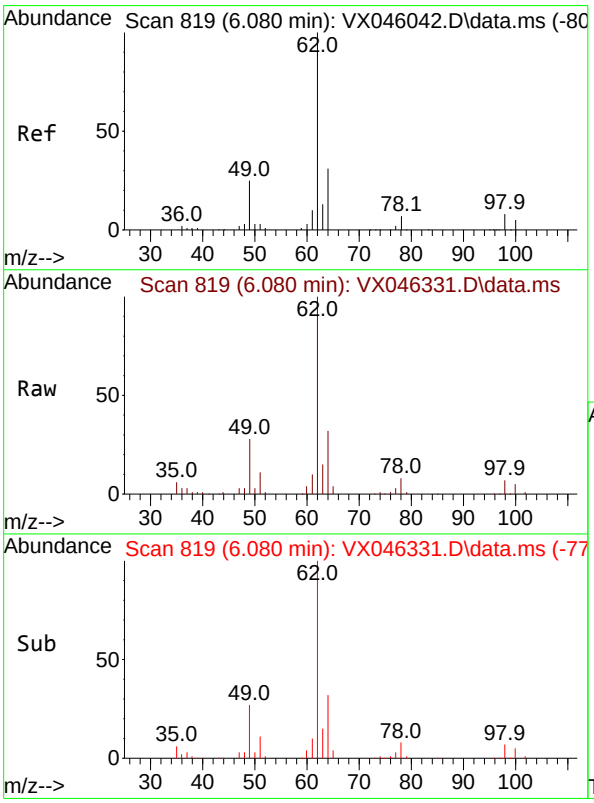
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.4 | 47.2 | 70.8 |
| 67 | 64.1 | 50.7 | 76.1 |
| 52 | 30.1 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

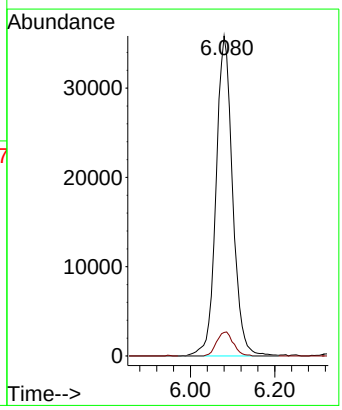
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

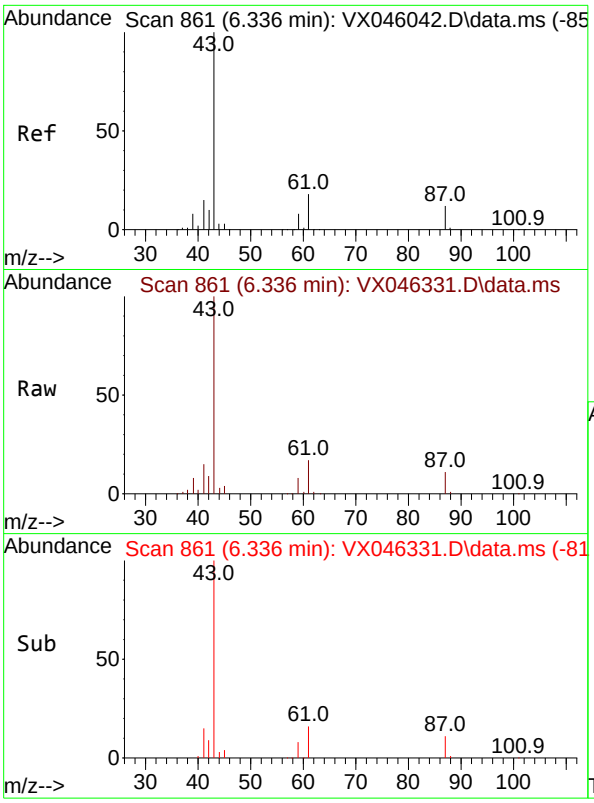



#42
1,2-Dichloroethane
Concen: 51.375 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 62 Resp: 97361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.6 | 0.0 | 15.2 |






#43
Isopropyl Acetate
Concen: 55.999 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

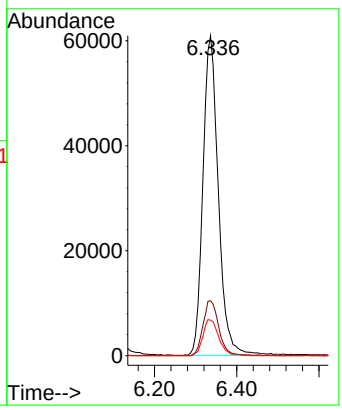
Tgt Ion: 43 Resp: 15822

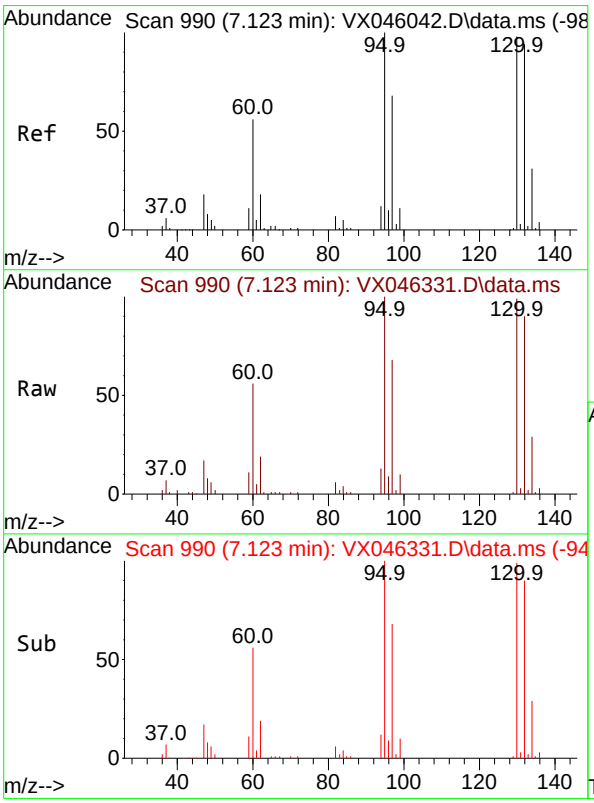
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.6 | 14.3 | 21.5 |
| 87 | 11.6 | 9.5 | 14.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

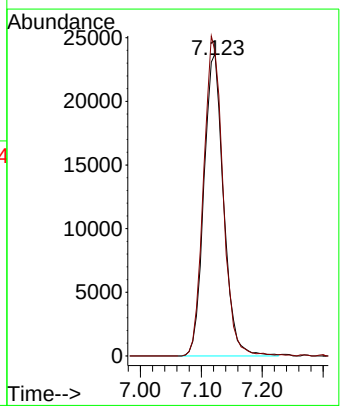


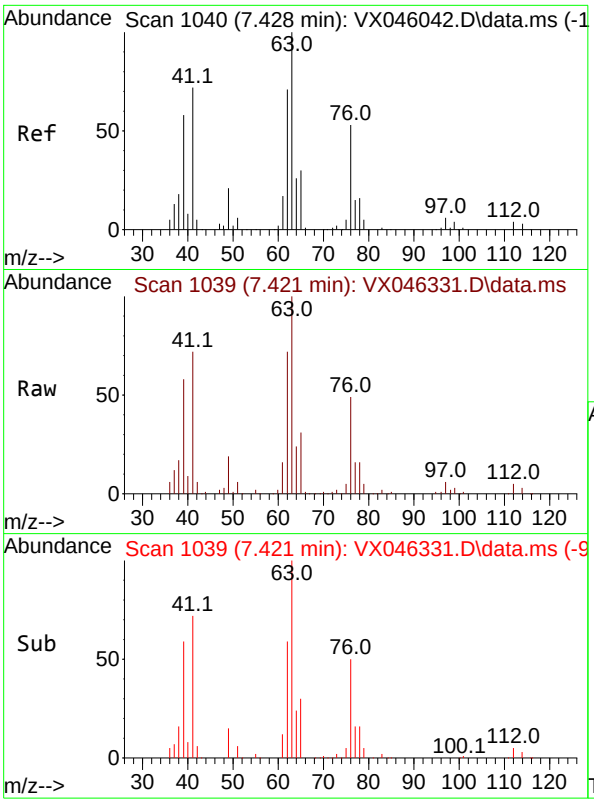




#44
Trichloroethene
Concen: 50.279 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:130 Resp: 53136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.8 | 0.0 | 204.2 |






#45
1,2-Dichloropropane
Concen: 53.136 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

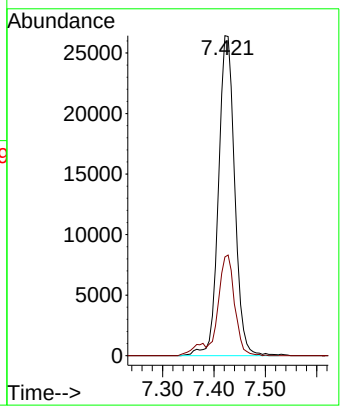
Tgt Ion: 63 Resp: 5801

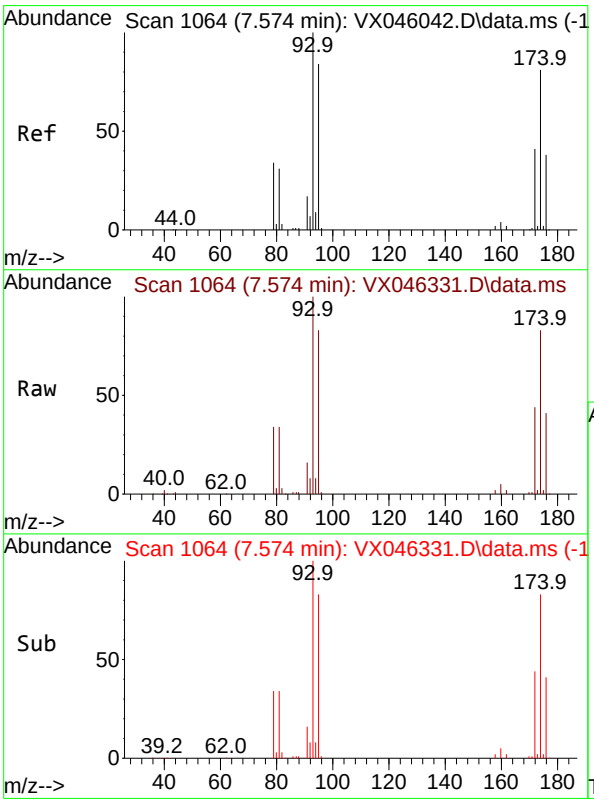
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 24.1 | 36.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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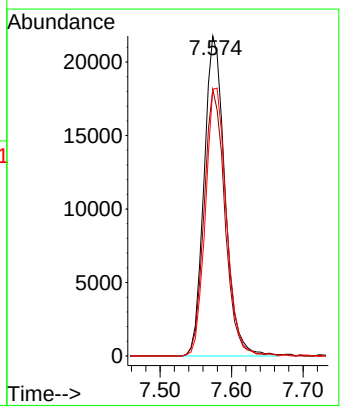


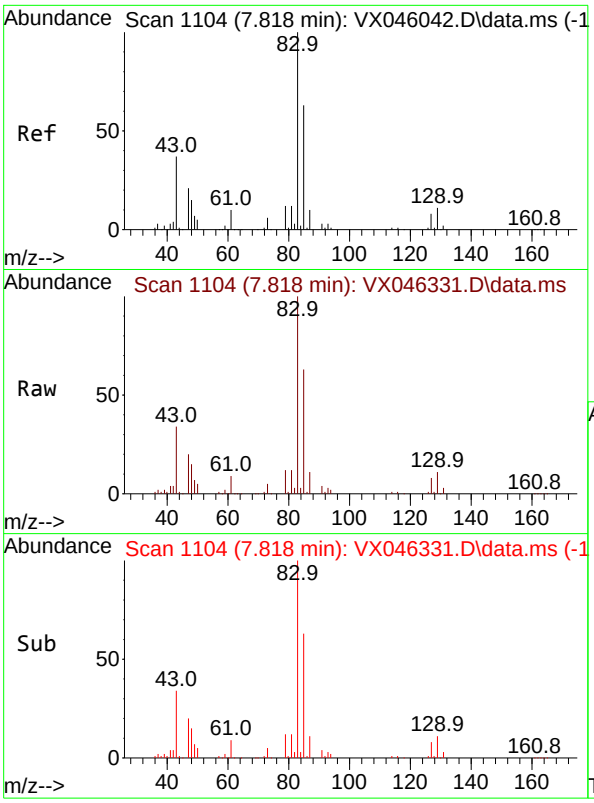




#46
Dibromomethane
Concen: 51.454 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 93 Resp: 44309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.7 | 65.6 | 98.4 |
| 174 | 84.2 | 68.2 | 102.2 |

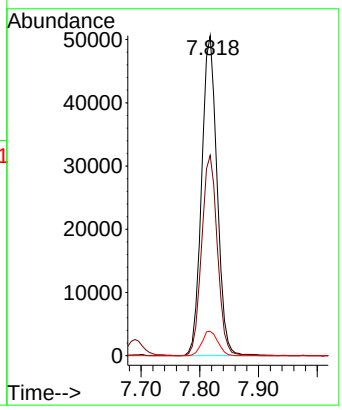





#47
Bromodichloromethane
Concen: 54.392 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 83 Resp: 9225

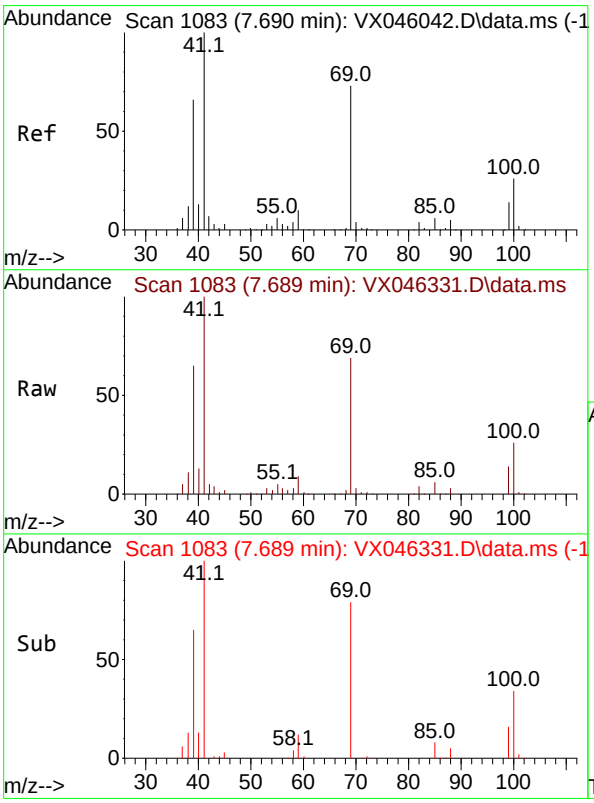
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.6 | 50.5 | 75.7 |
| 127 | 7.6 | 6.5 | 9.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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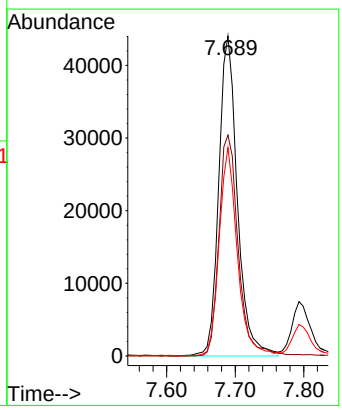
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

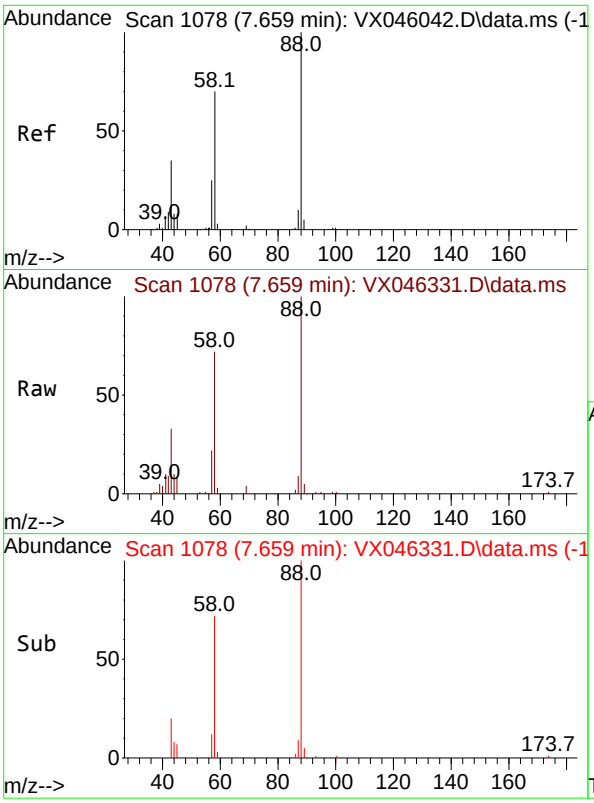



#48
Methyl methacrylate
Concen: 57.467 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 41 Resp: 82925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 72.0 | 58.5 | 87.7 |
| 39 | 63.5 | 51.7 | 77.5 |

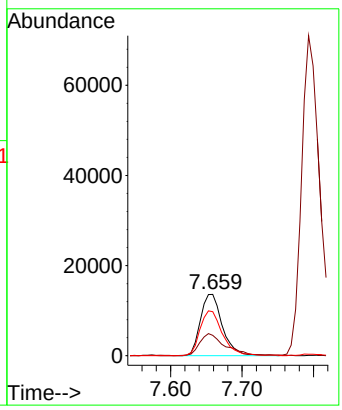





#49
1,4-Dioxane
Concen: 1053.147 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 88 Resp: 2885

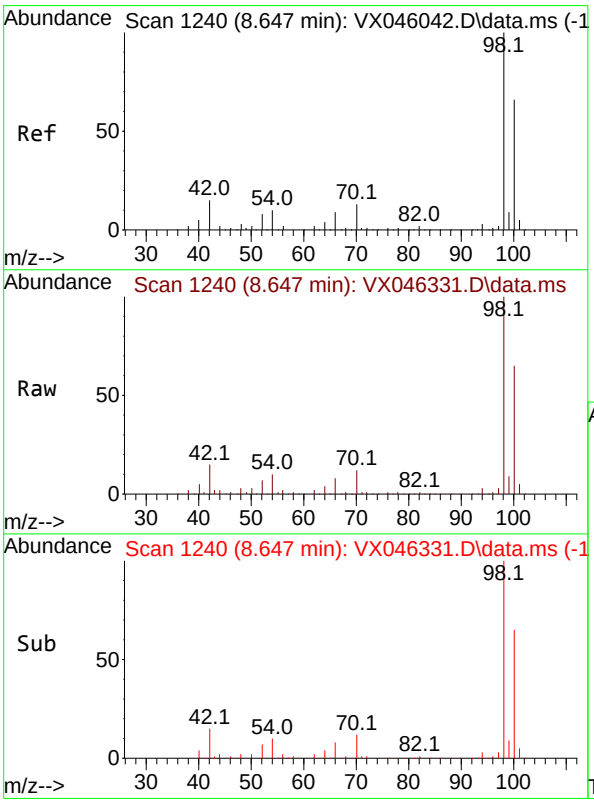
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 42.3 | 33.4 | 50.2 |
| 58 | 74.9 | 58.6 | 88.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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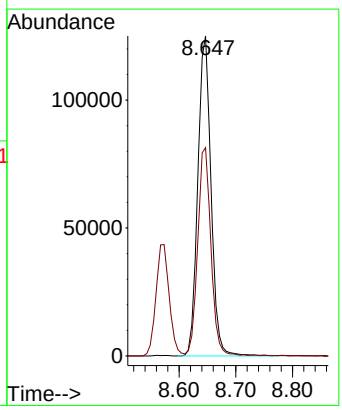
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

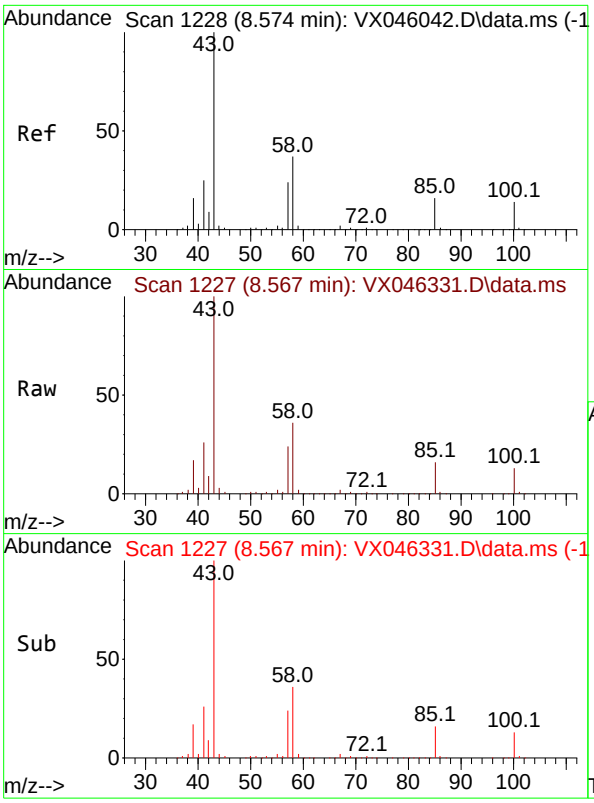



#50
Toluene-d8
Concen: 52.423 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 98 Resp: 202439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 53.5 | 80.3 |

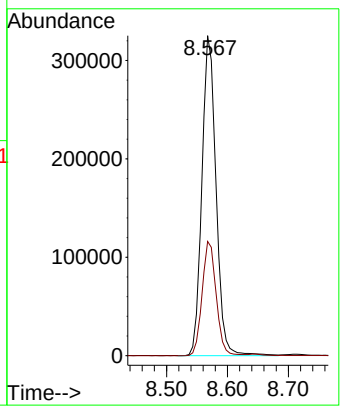





#51
4-Methyl-2-Pentanone
Concen: 279.753 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 52468

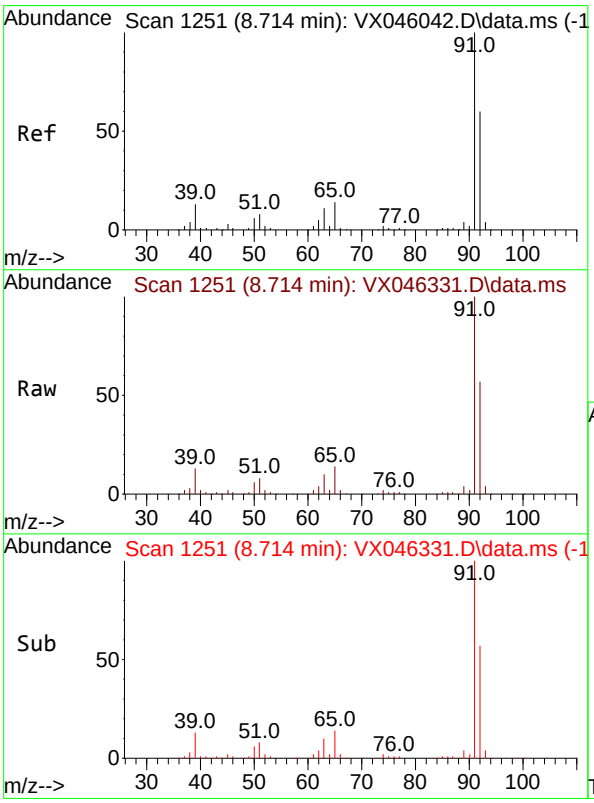
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.5 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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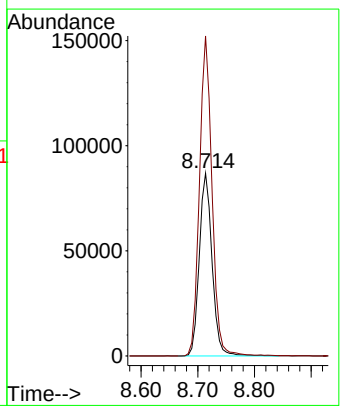
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

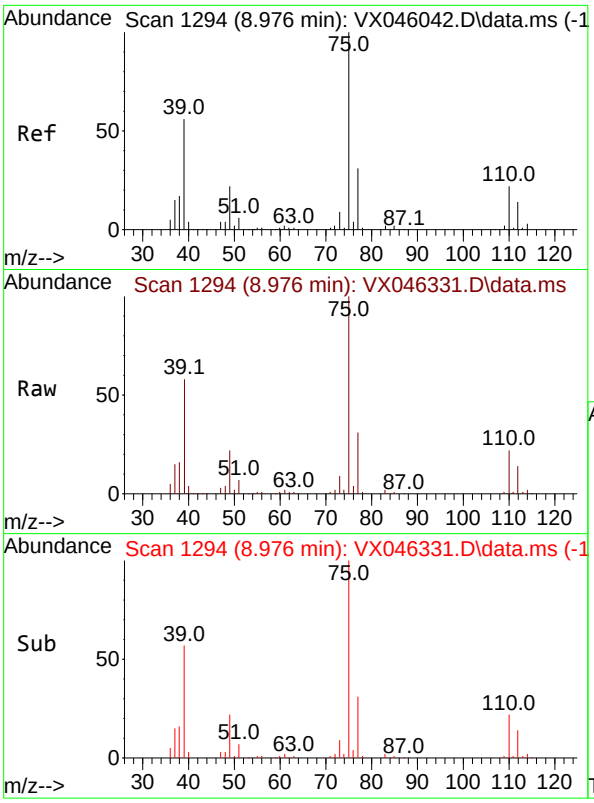



#52
Toluene
Concen: 50.537 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 92 Resp: 136068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.1 | 136.6 | 205.0 |

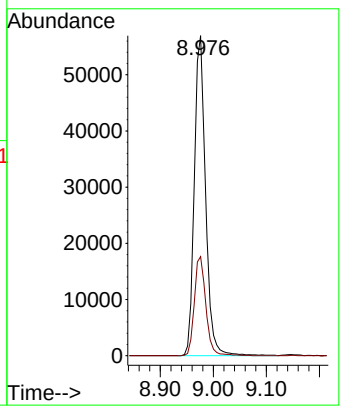





#53
t-1,3-Dichloropropene
Concen: 55.750 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 8404

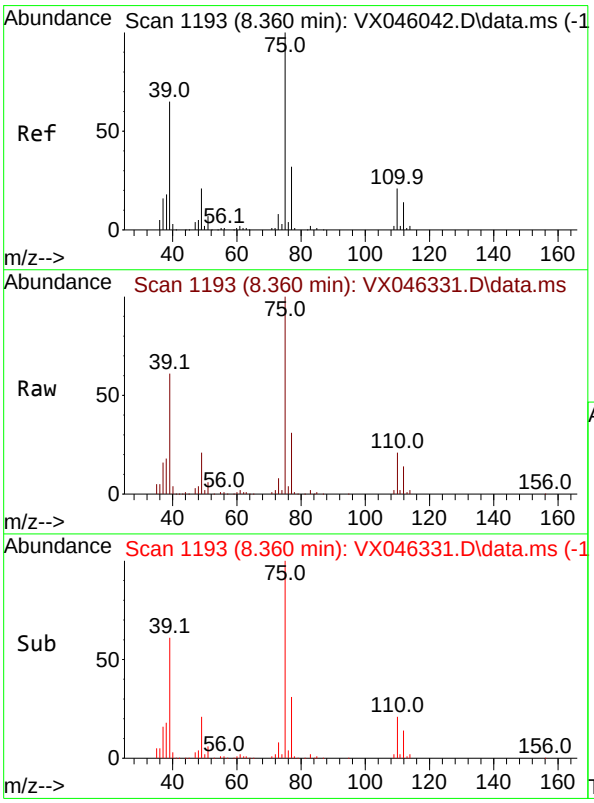
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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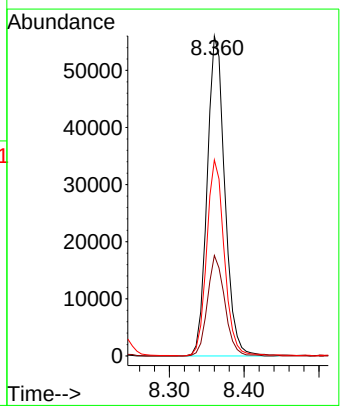
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

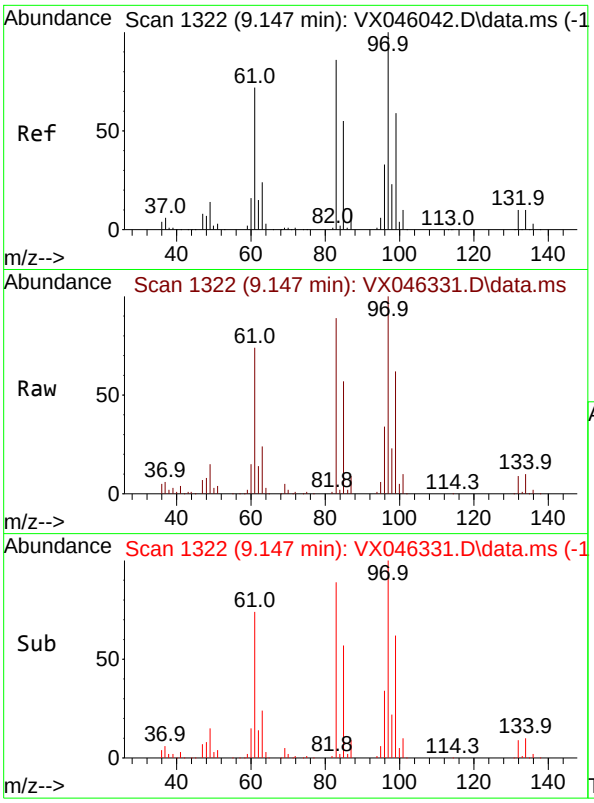



#54
cis-1,3-Dichloropropene
Concen: 54.982 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 91612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.4 | 38.0 |
| 39 | 61.1 | 52.2 | 78.4 |

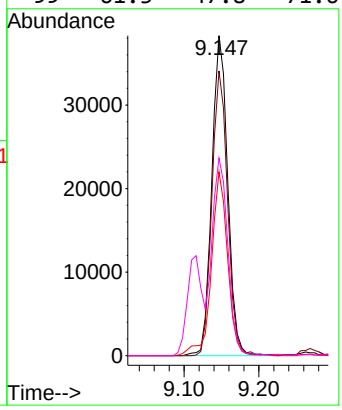





#55
1,1,2-Trichloroethane
Concen: 53.371 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 97 Resp: 5666

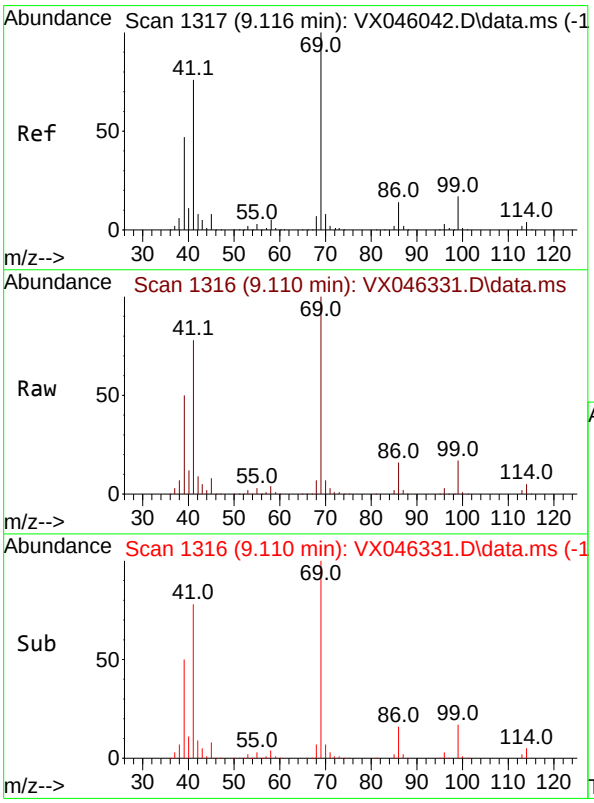
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.0 | 69.0 | 103.6 |
| 85 | 57.5 | 44.3 | 66.5 |
| 99 | 61.3 | 47.8 | 71.6 |




**Instrument :**
MSVOA_X
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VSTDCCC050

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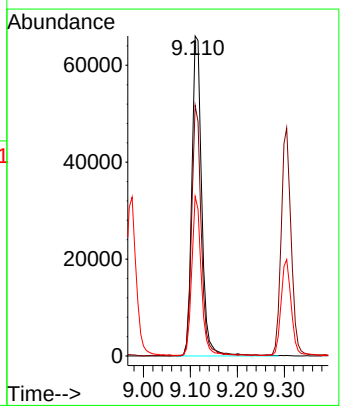
Reviewed By :Semsettin Yesilyurt 05/26/2025
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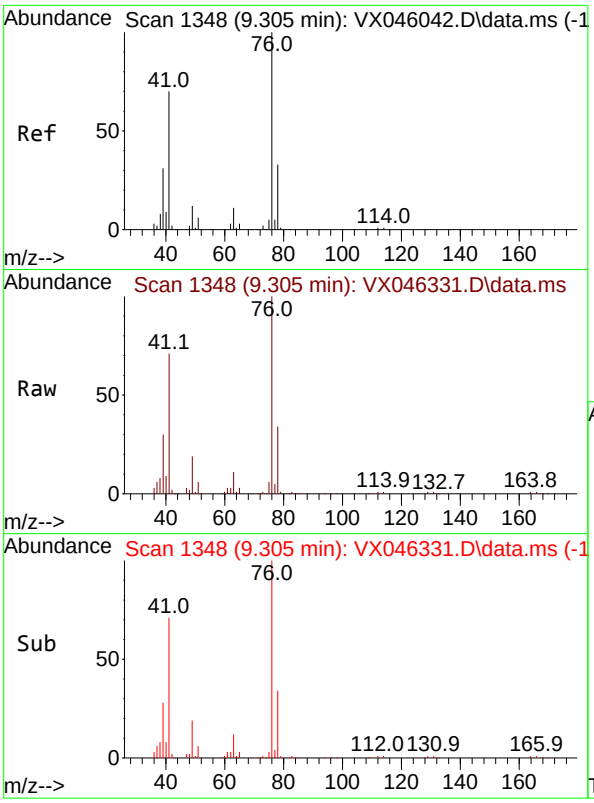



#56
Ethyl methacrylate
Concen: 57.619 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 69 Resp: 97493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 75.9 | 60.8 | 91.2 |
| 39 | 47.4 | 39.0 | 58.6 |






#57
1,3-Dichloropropane
Concen: 51.895 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

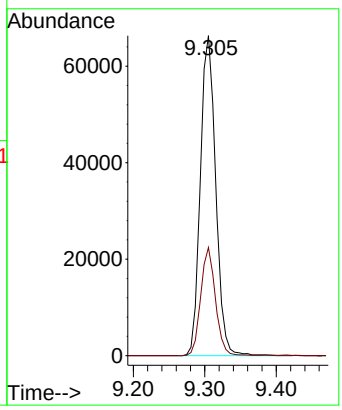
Tgt Ion: 76 Resp: 9894

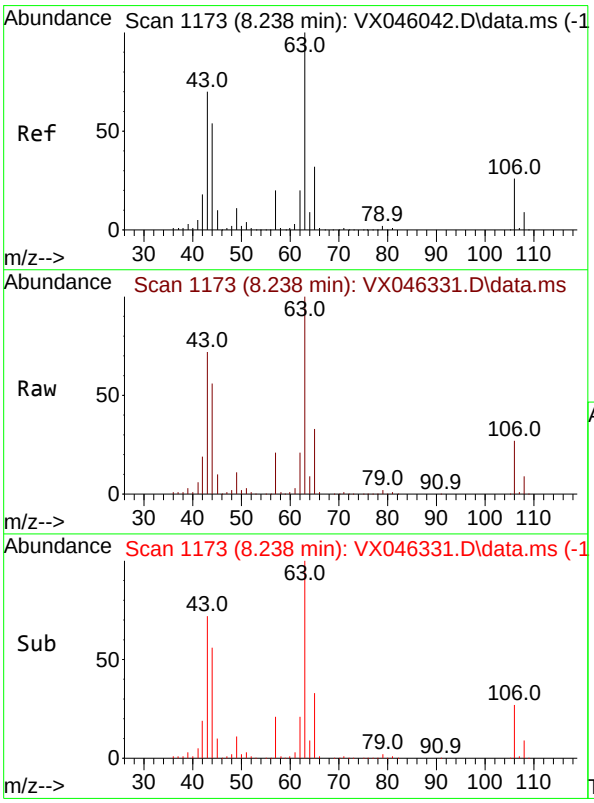
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 26.3 | 39.5 |

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MSVOA_X
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VSTDCCC050

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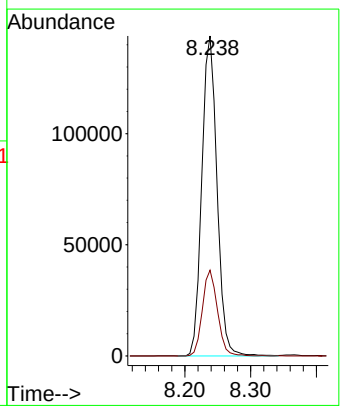


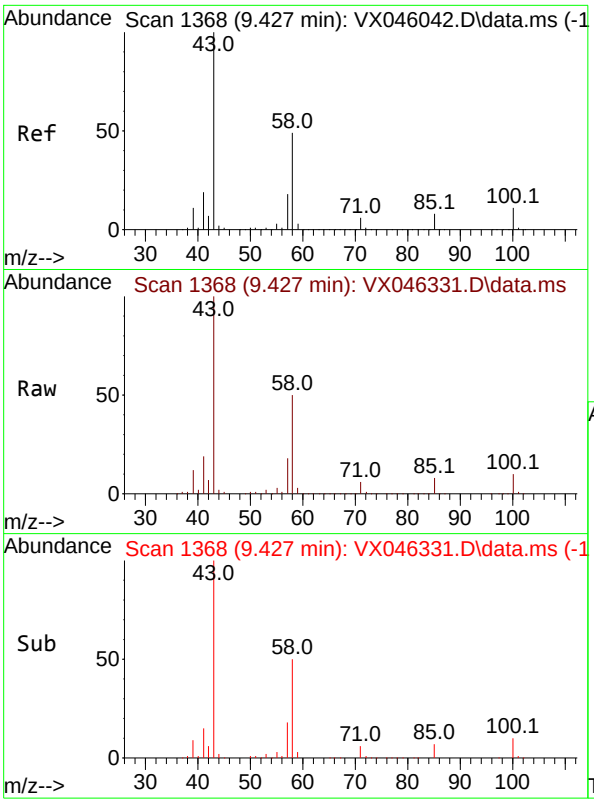




#58
2-Chloroethyl Vinyl ether
Concen: 268.416 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 63 Resp: 231542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.5 | 21.5 | 32.3 |






#59
2-Hexanone
Concen: 285.172 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

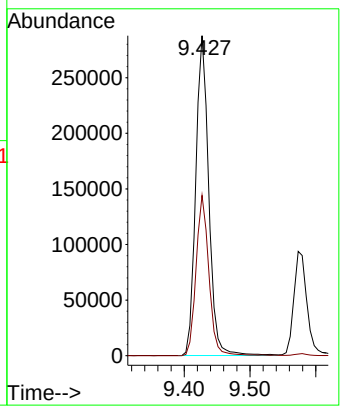
Tgt Ion: 43 Resp: 39570

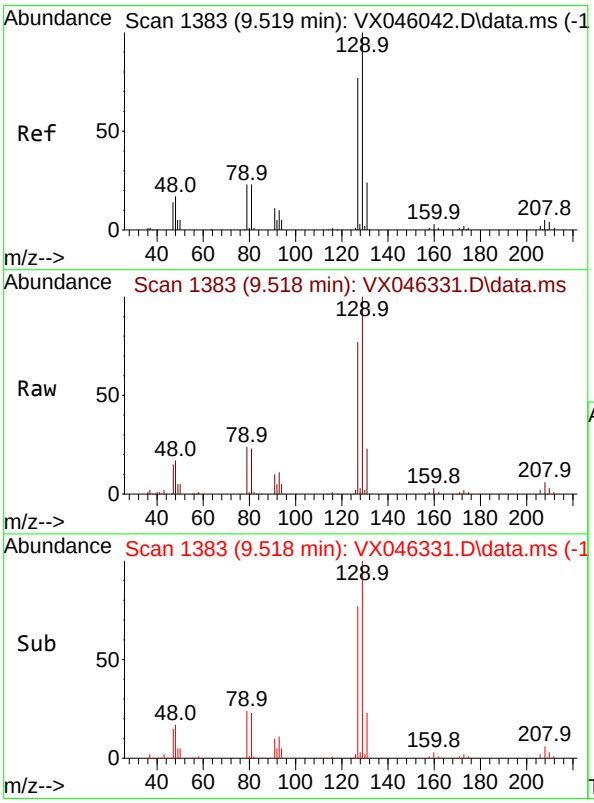
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.5 | 24.9 | 74.6 |

**Instrument :**
MSVOA_X
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VSTDCCC050

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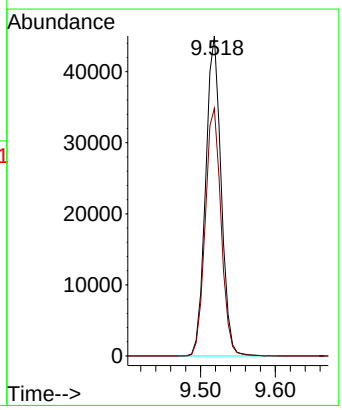


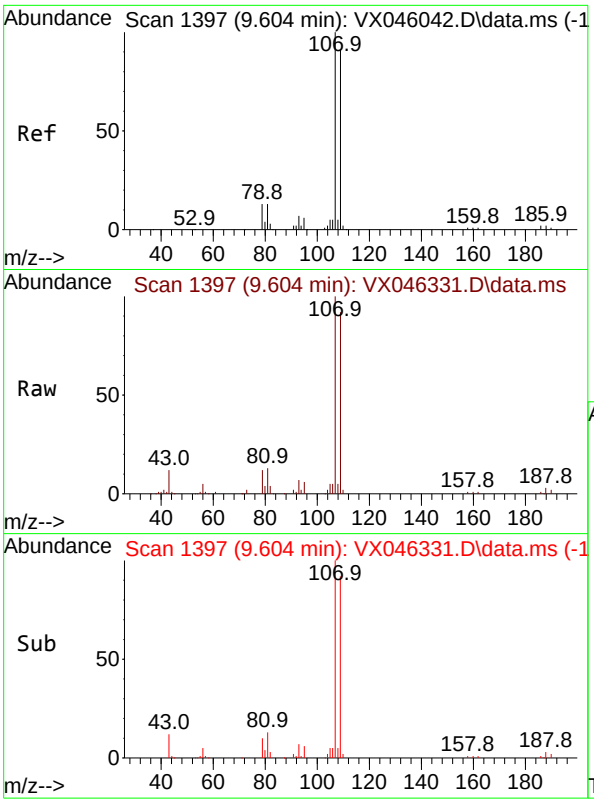




#60
Dibromochloromethane
Concen: 55.399 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:129 Resp: 64591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 79.4 | 39.3 | 117.8 |






#61
1,2-Dibromoethane
Concen: 52.931 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

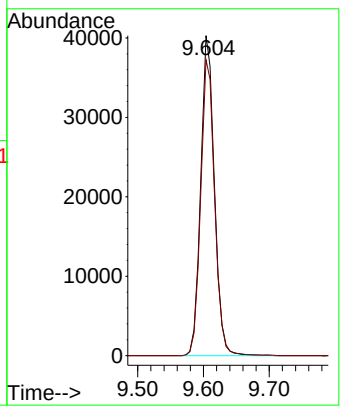
Tgt Ion:107 Resp: 5840

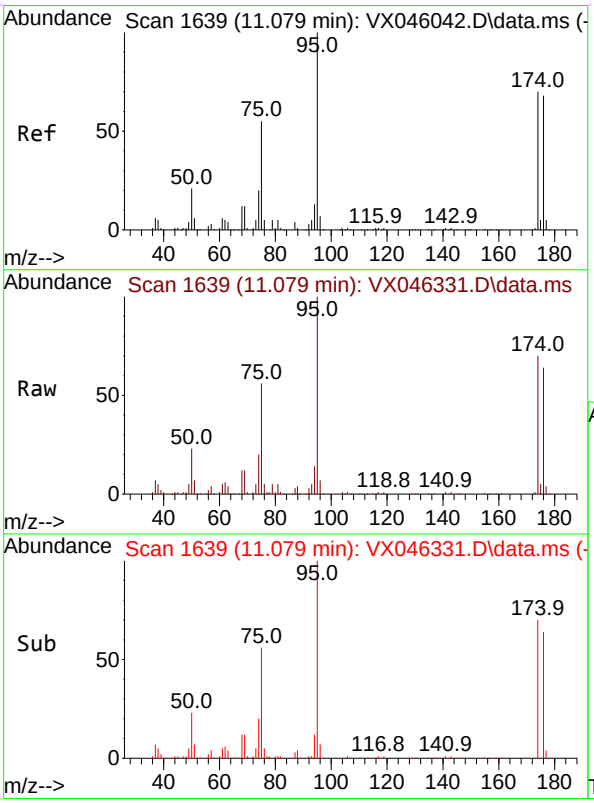
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 73.3 | 109.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

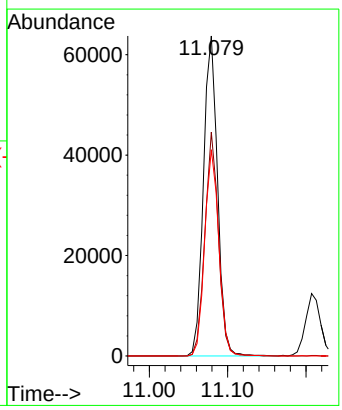


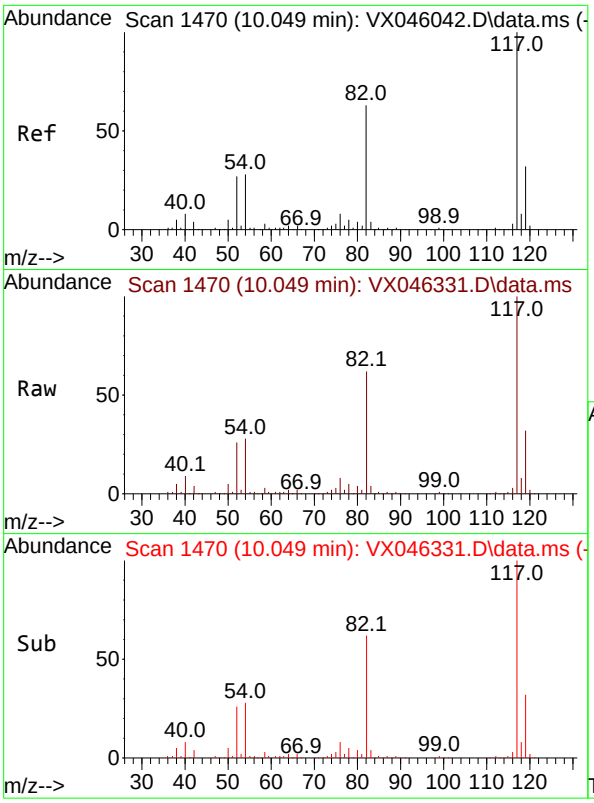




#62
4-Bromofluorobenzene
Concen: 53.716 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 95 Resp: 79568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.3 | 0.0 | 135.8 |
| 176 | 64.6 | 0.0 | 131.4 |

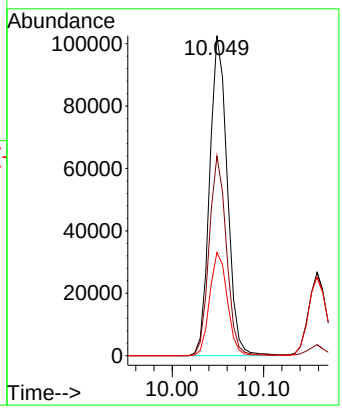





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:117 Resp: 13712

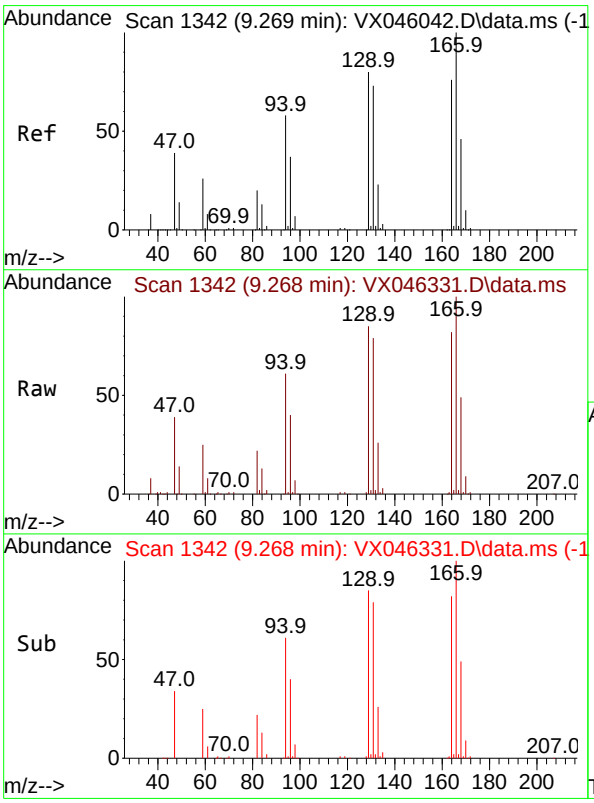
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 62.4 | 50.6 | 76.0 |
| 119 | 32.2 | 25.8 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

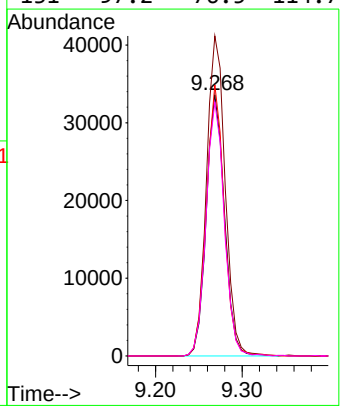
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

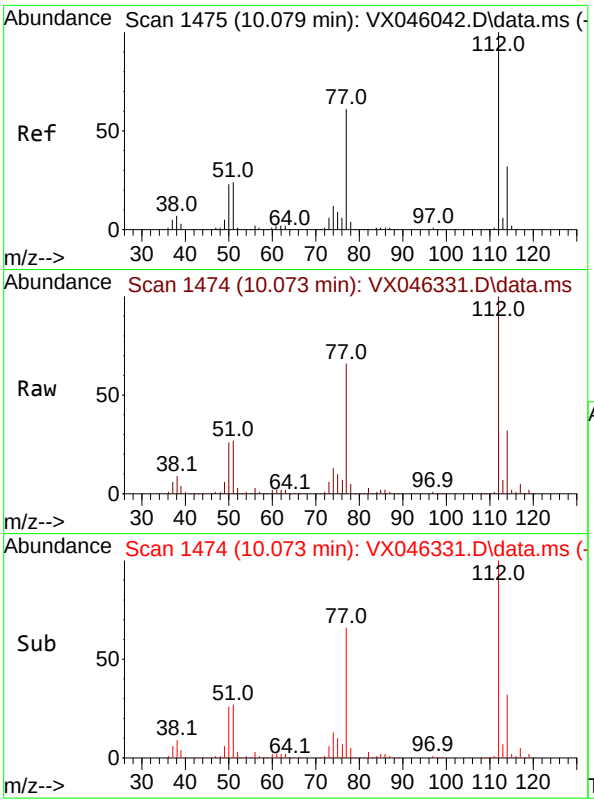



#64
Tetrachloroethene
Concen: 50.481 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:164 Resp: 48977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 122.6 | 105.0 | 157.6 |
| 129 | 103.9 | 83.5 | 125.3 |
| 131 | 97.2 | 76.5 | 114.7 |






#65
Chlorobenzene
Concen: 49.525 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

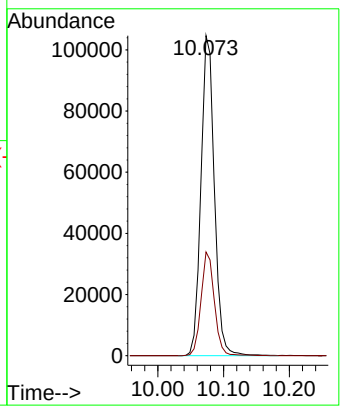
Tgt Ion:112 Resp: 14863

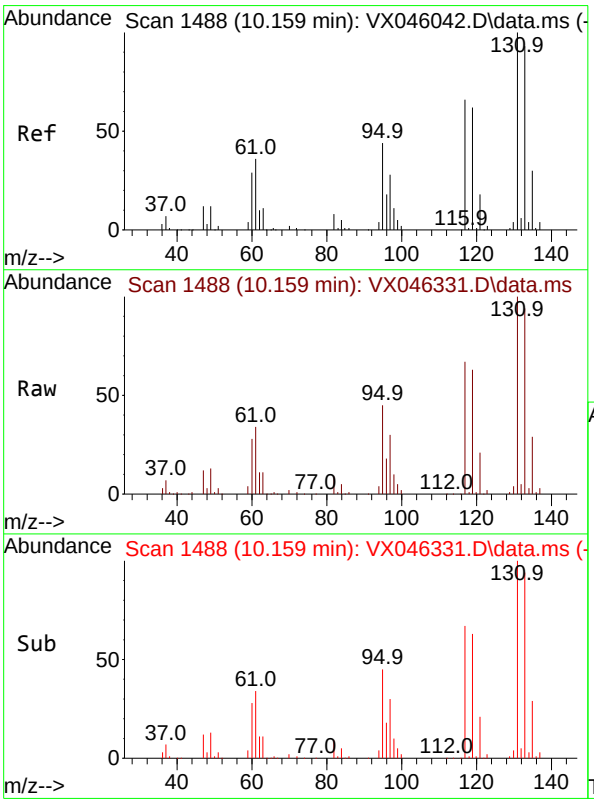
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.4 | 25.4 | 38.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

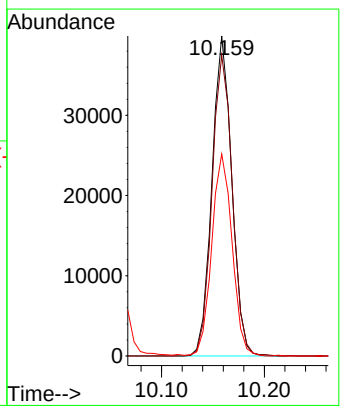


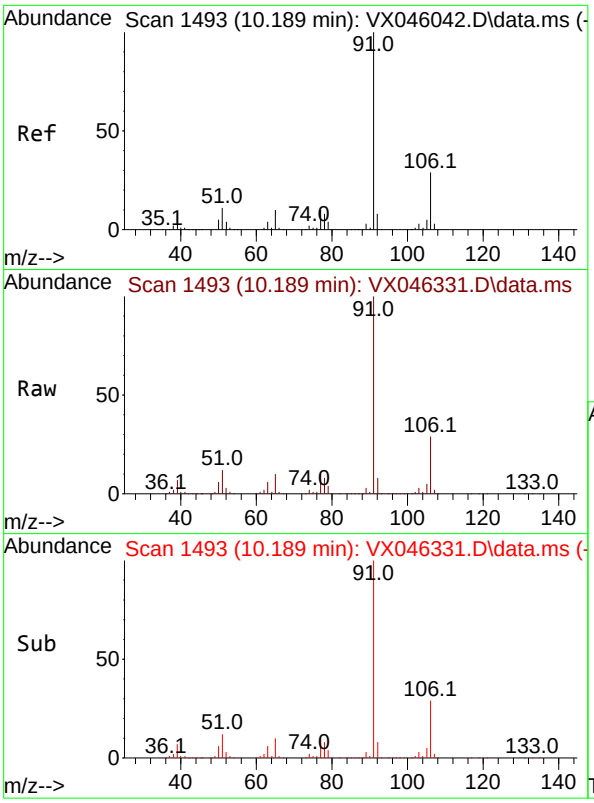




#66
1,1,1,2-Tetrachloroethane
Concen: 52.010 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:131 Resp: 53302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.3 | 47.3 | 141.9 |
| 119 | 64.8 | 31.6 | 95.0 |

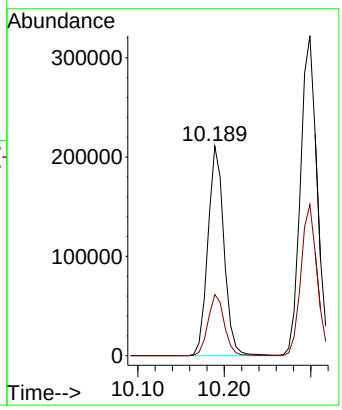





#67
Ethyl Benzene
Concen: 51.457 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 91 Resp: 27223

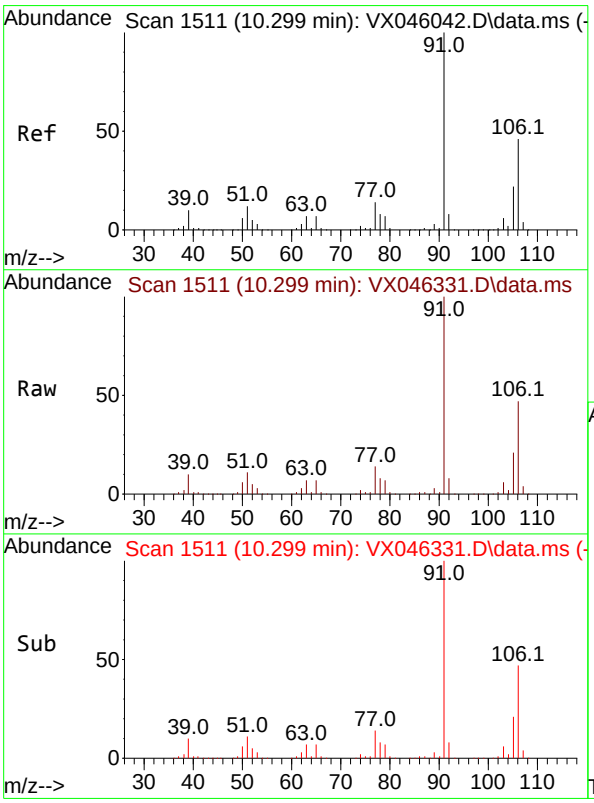
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.2 | 23.4 | 35.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

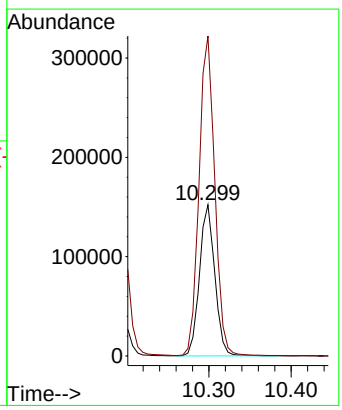
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

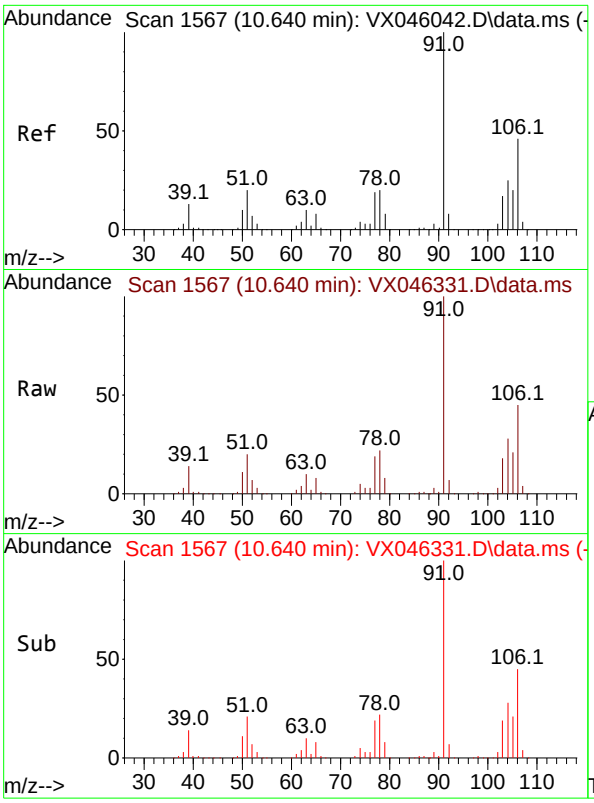



#68
m/p-Xylenes
Concen: 101.954 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:106 Resp: 197275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.8 | 171.2 | 256.8 |

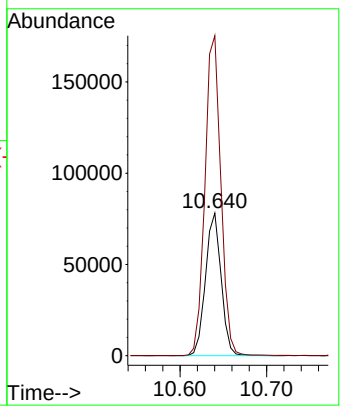





#69
o-Xylene
Concen: 51.899 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:106 Resp: 9790

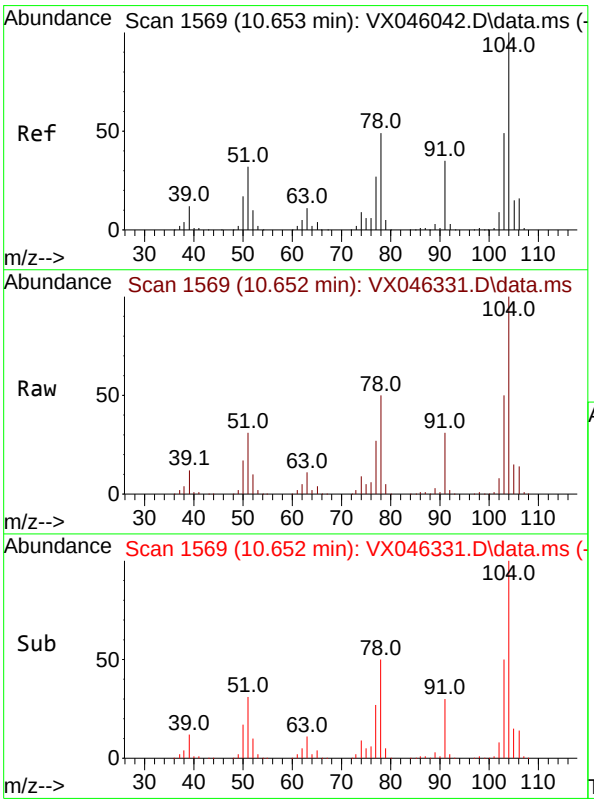
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 229.1 | 112.7 | 338.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

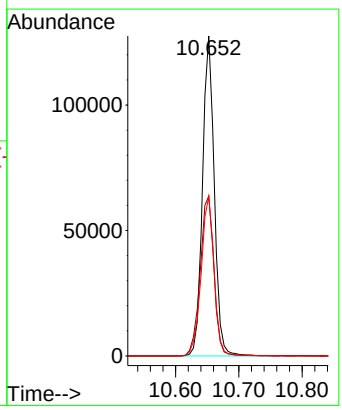
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

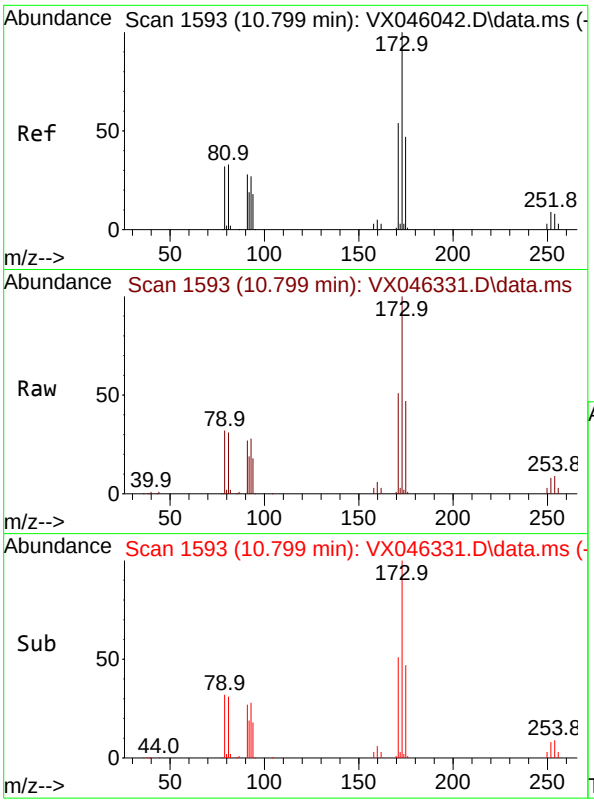



#70
Styrene
Concen: 53.599 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:104 Resp: 165627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 58.1 | 45.7 | 68.5 |
| 103 | 55.3 | 43.7 | 65.5 |

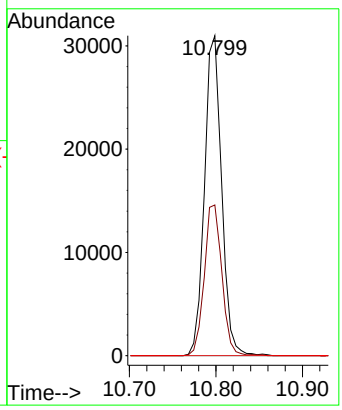





#71
Bromoform
Concen: 55.224 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:173 Resp: 4249

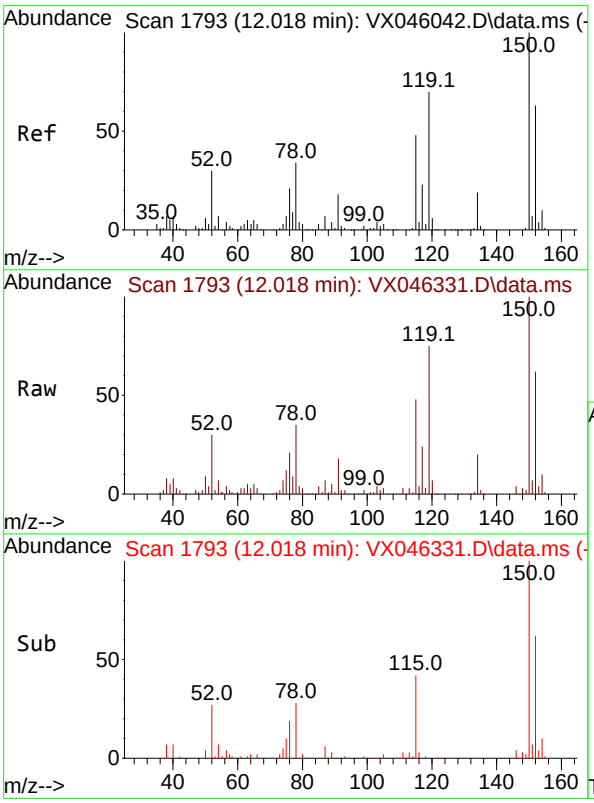
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.6 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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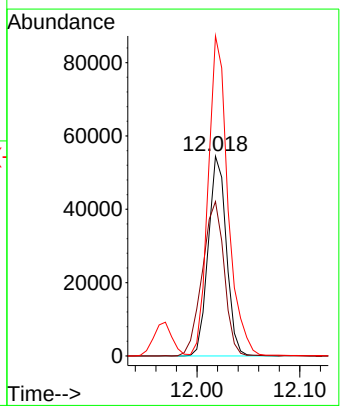
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

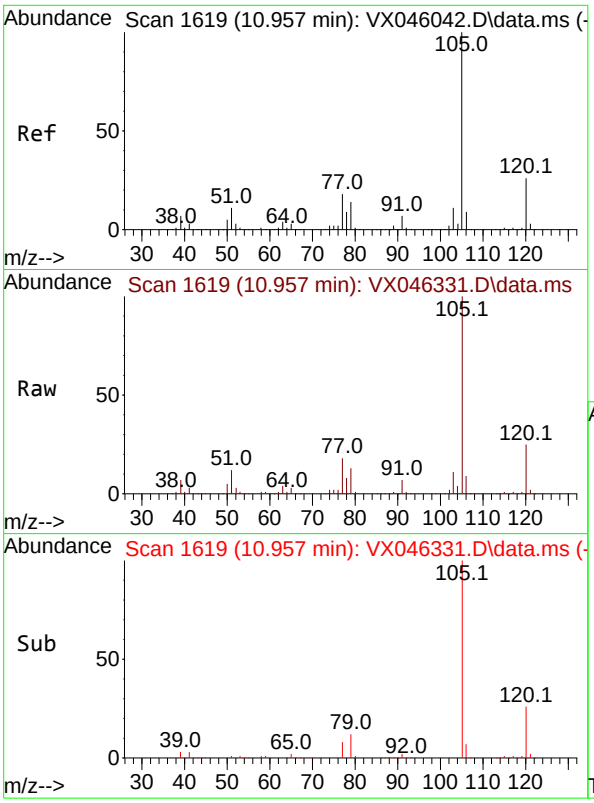



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:152 Resp: 66629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 93.5 | 46.9 | 140.7 |
| 150 | 175.2 | 0.0 | 351.0 |






#73
Isopropylbenzene
Concen: 51.196 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

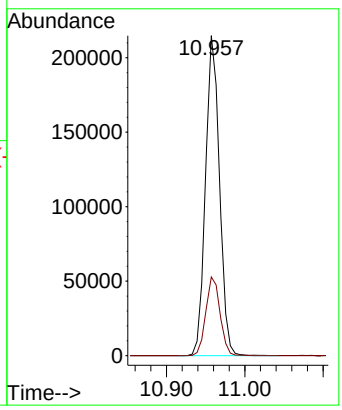
Tgt Ion:105 Resp: 26556

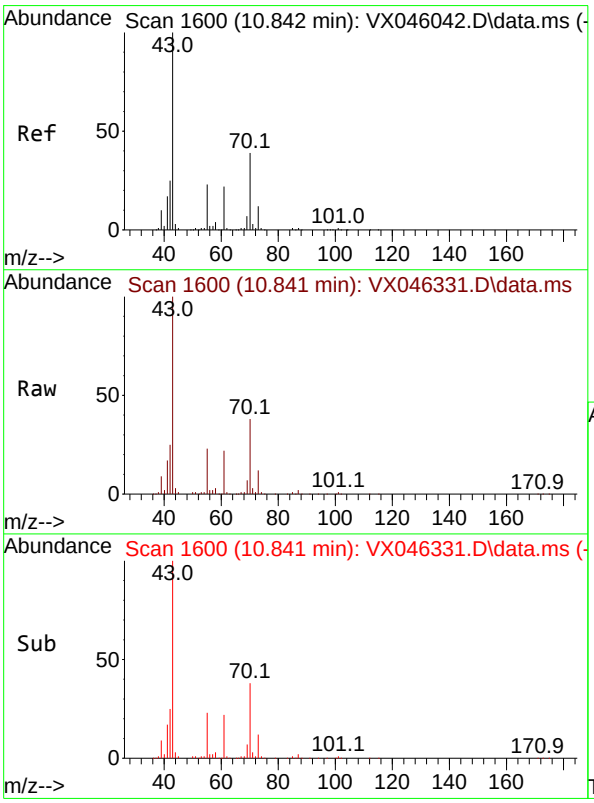
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.0 | 12.8 | 38.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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Supervised By :Mahesh Dadoda 05/26/2025

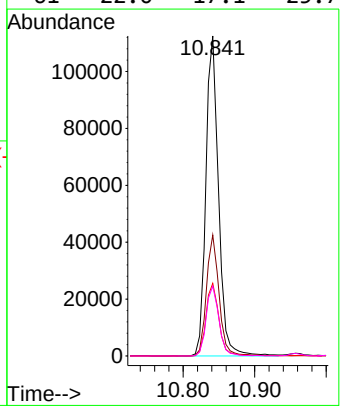


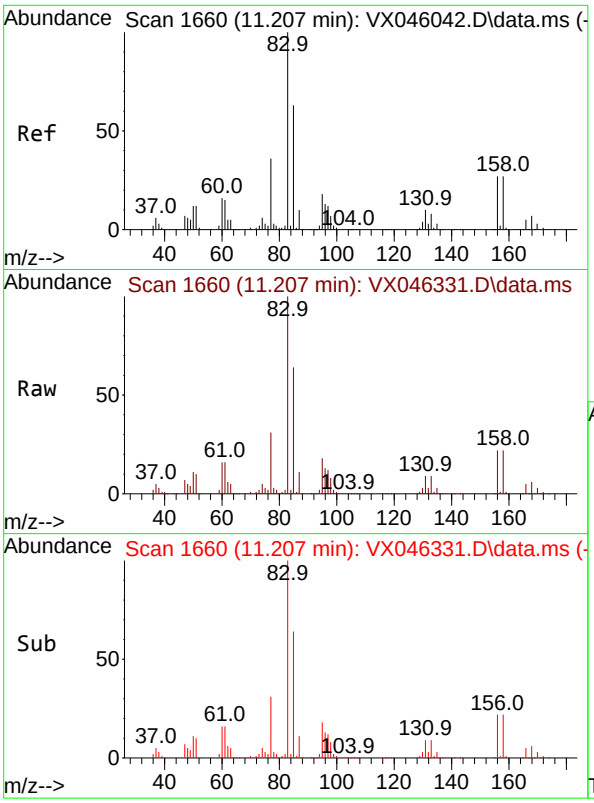




#74
N-amyl acetate
Concen: 54.091 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 138648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 37.7 | 30.9 | 46.3 |
| 55 | 23.4 | 18.7 | 28.1 |
| 61 | 22.0 | 17.1 | 25.7 |






#75
1,1,2,2-Tetrachloroethane
Concen: 50.066 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

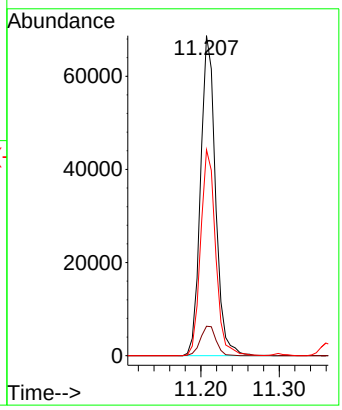
Tgt Ion: 83 Resp: 9101

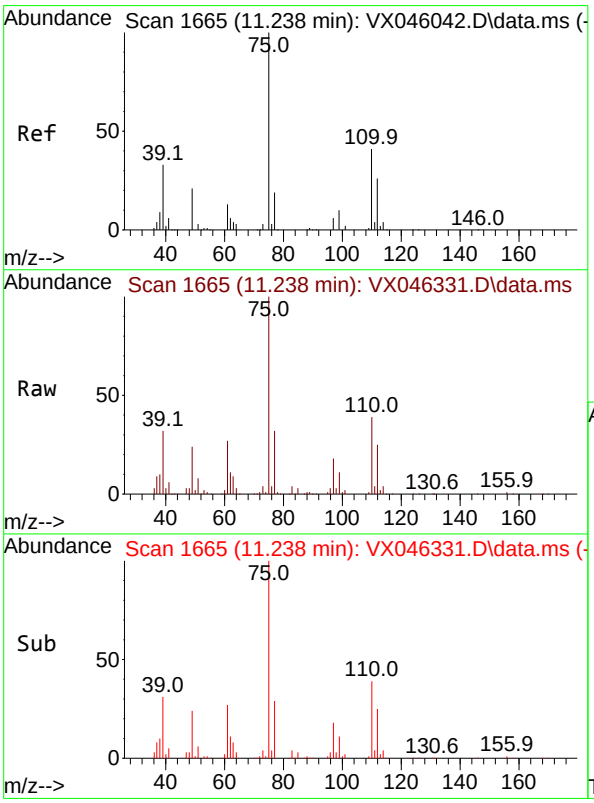
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.6 | 5.0 | 14.9 |
| 85 | 64.5 | 31.9 | 95.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

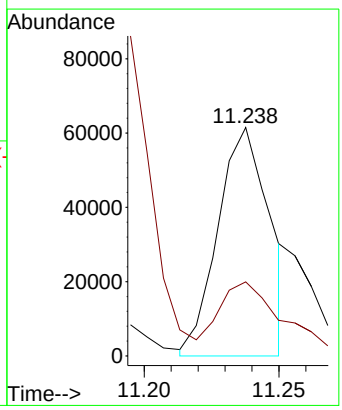


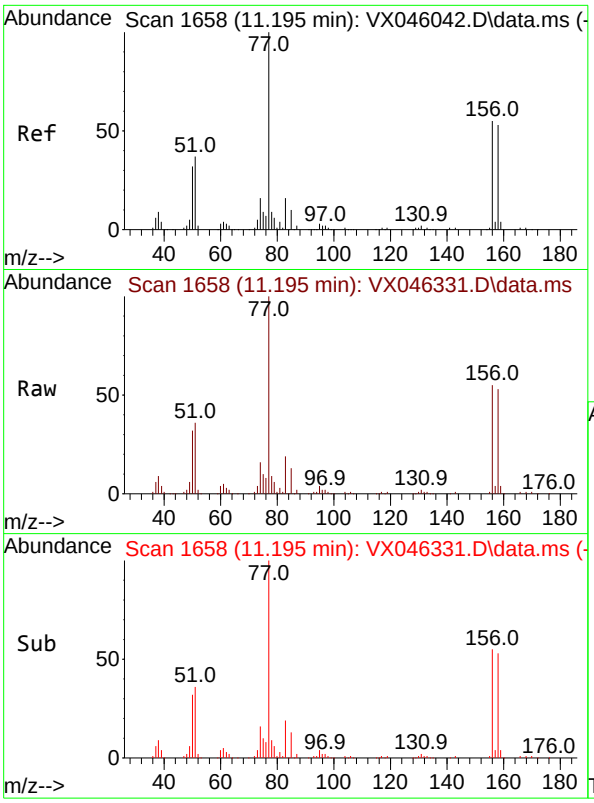




#76
1,2,3-Trichloropropane
Concen: 51.027 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 81837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.8 | 20.5 | 61.5 |






#77
Bromobenzene
Concen: 49.441 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

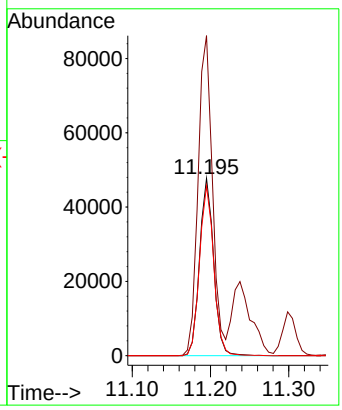
Tgt Ion:156 Resp: 5954

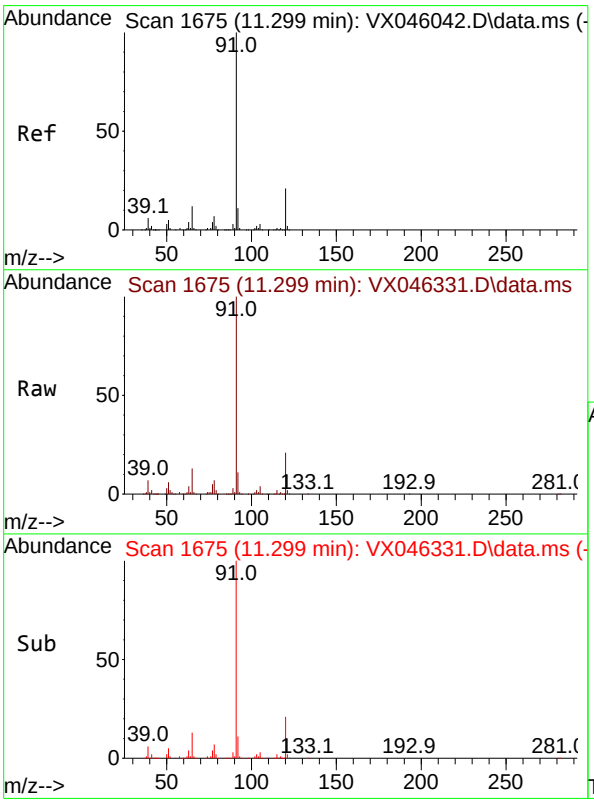
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.1 | 92.8 | 278.3 |
| 158 | 97.2 | 48.8 | 146.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
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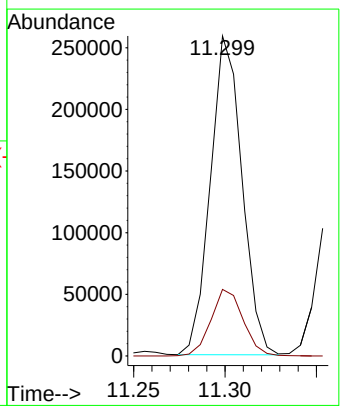


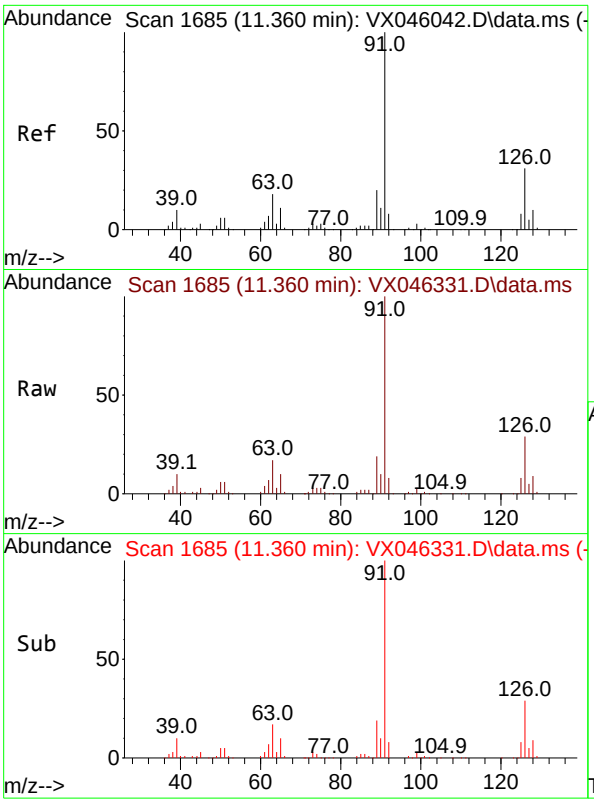




#78
n-propylbenzene
Concen: 51.673 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 91 Resp: 311660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.2 | 10.8 | 32.4 |






#79
2-Chlorotoluene
Concen: 49.128 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

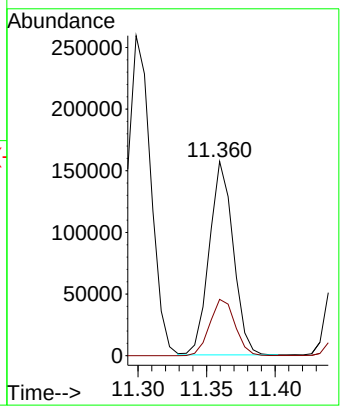
Tgt Ion: 91 Resp: 19112

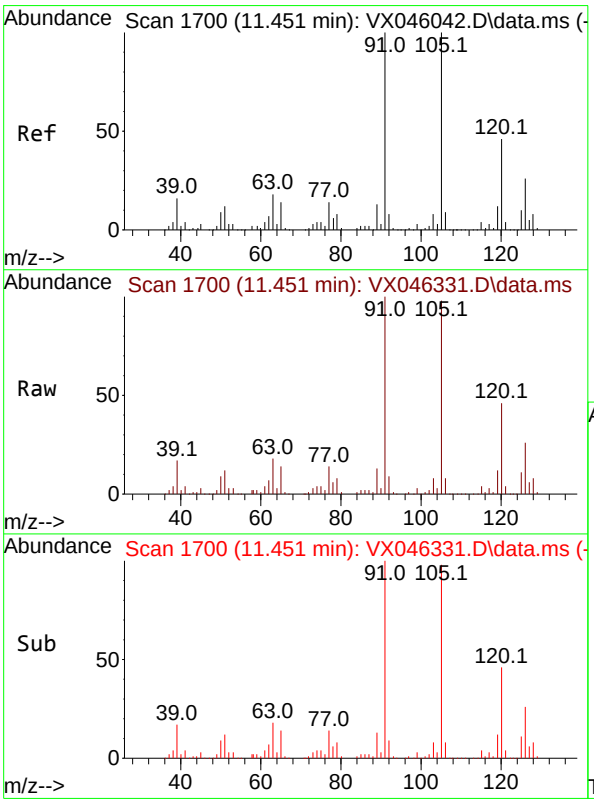
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.8 | 15.6 | 46.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

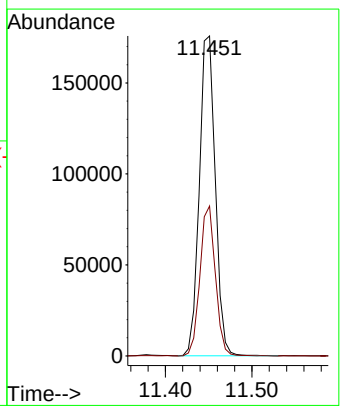


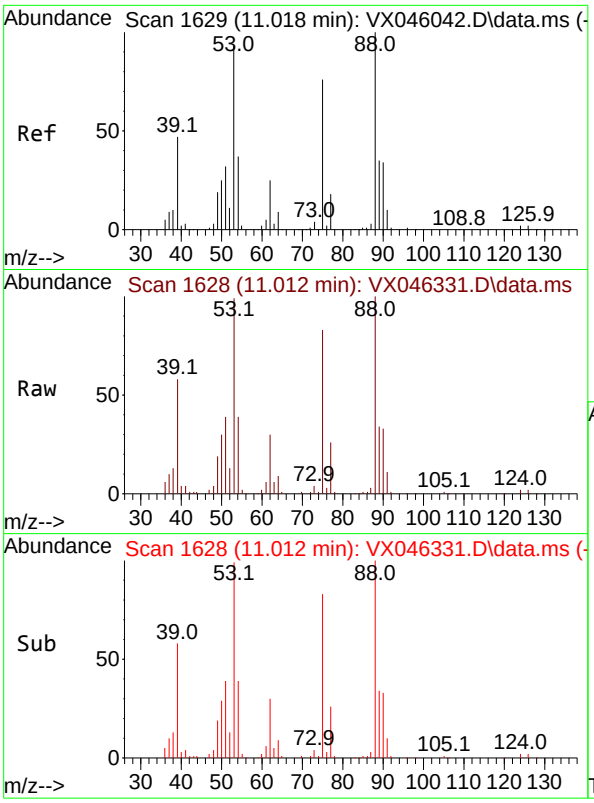




#80
1,3,5-Trimethylbenzene
Concen: 51.877 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:105 Resp: 224812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.4 | 23.1 | 69.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 54.814 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

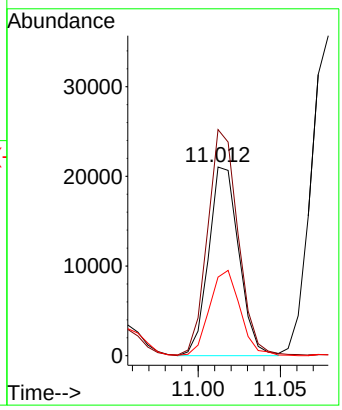
Tgt Ion: 75 Resp: 2700

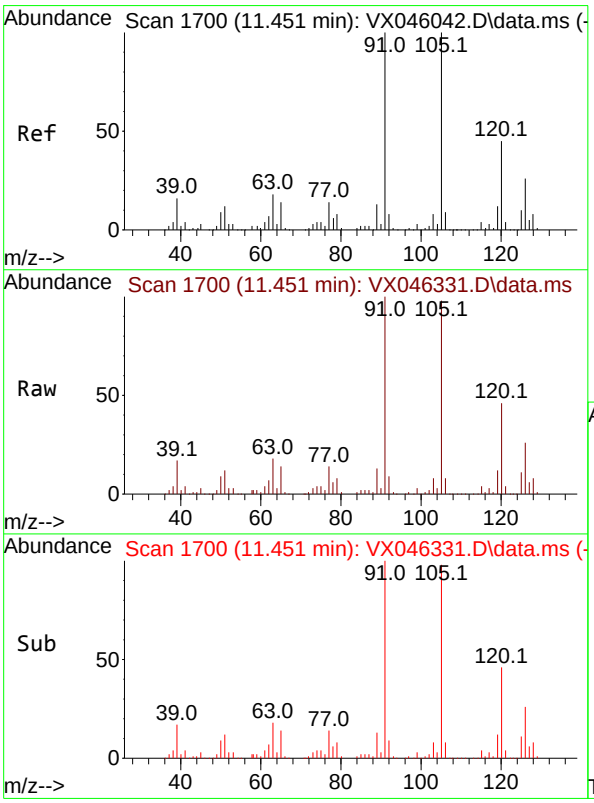
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 121.3 | 100.5 | 150.7 |
| 89 | 45.7 | 37.0 | 55.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

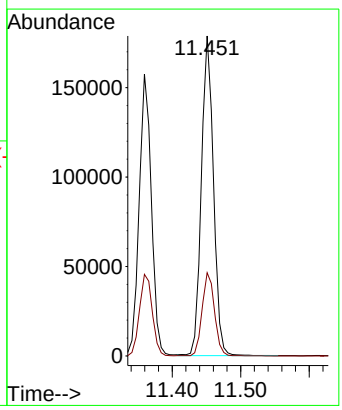


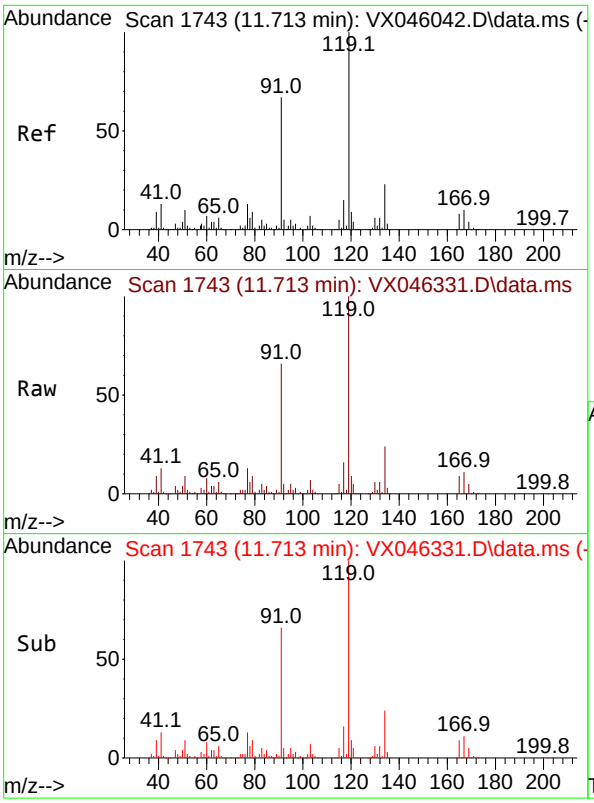




#82
4-Chlorotoluene
Concen: 50.910 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 91 Resp: 219638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.8 | 13.3 | 39.8 |






#83
tert-Butylbenzene
Concen: 50.888 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

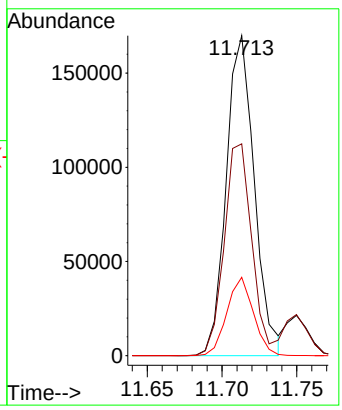
Tgt Ion:119 Resp: 22213

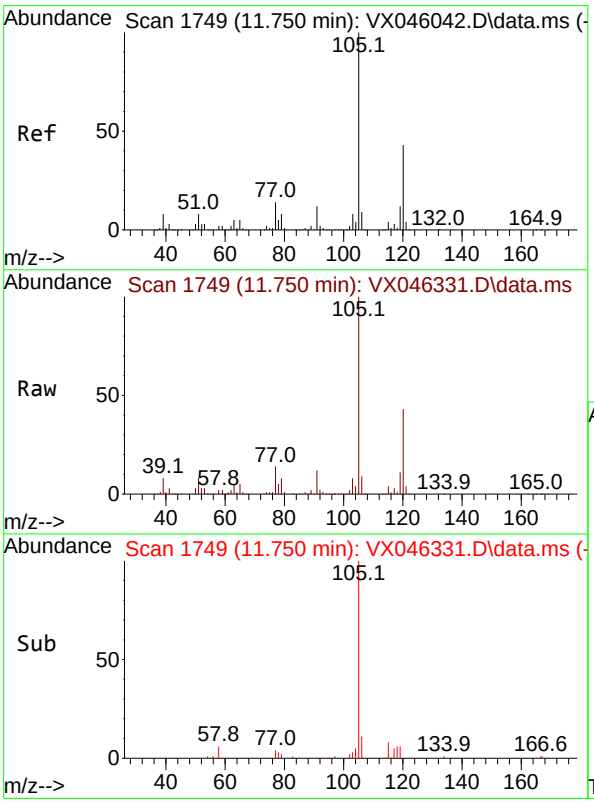
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.6 | 32.9 | 98.7 |
| 134 | 23.1 | 11.4 | 34.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

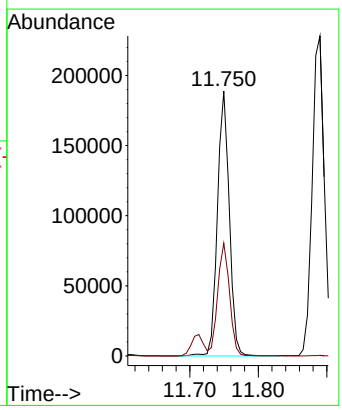


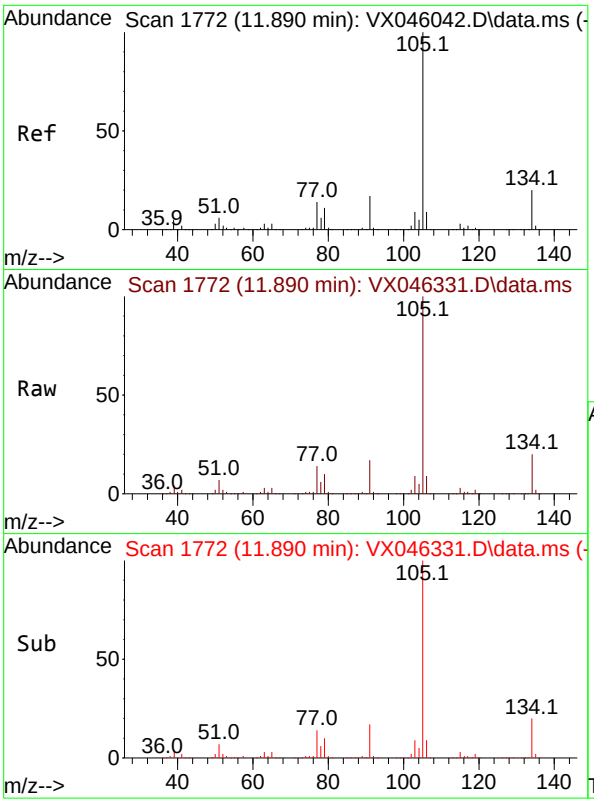




#84
1,2,4-Trimethylbenzene
Concen: 51.438 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:105 Resp: 225740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.4 | 21.2 | 63.6 |






#85
sec-Butylbenzene
Concen: 52.265 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

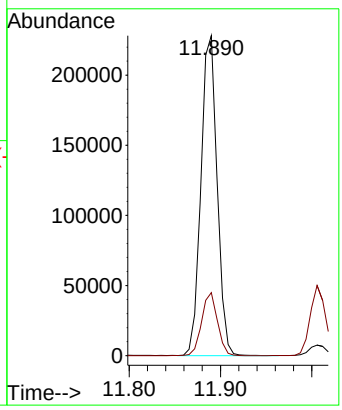
Tgt Ion:105 Resp: 28012

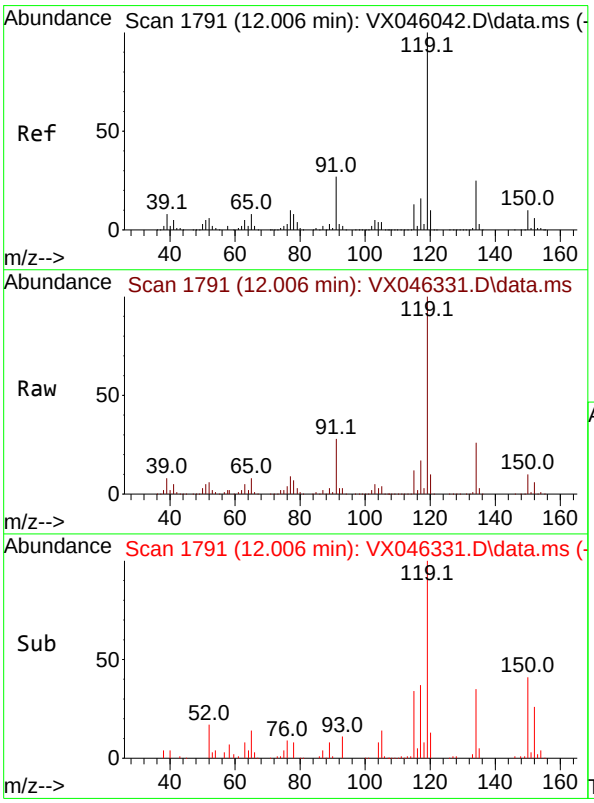
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.2 | 9.7 | 29.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

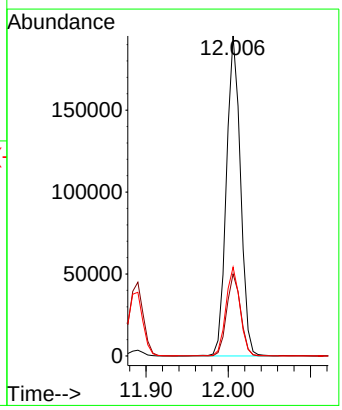


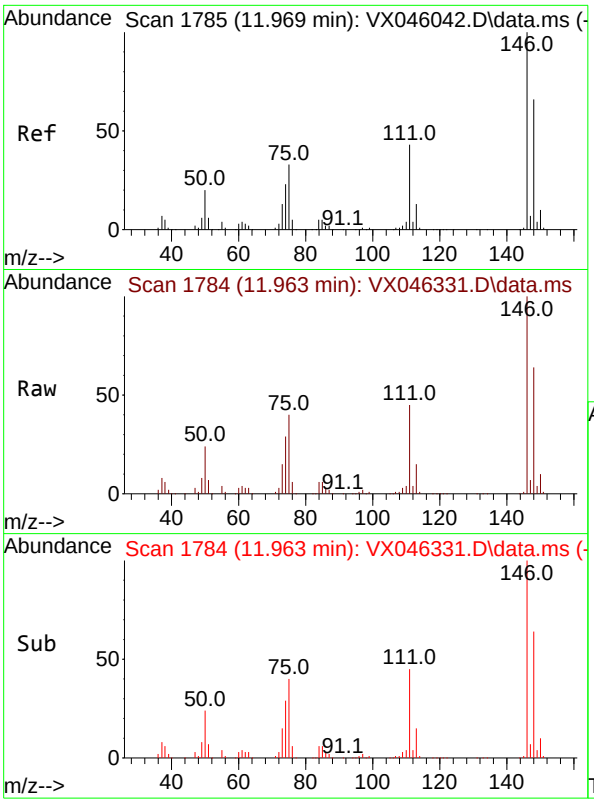




#86
p-Isopropyltoluene
Concen: 52.479 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:119 Resp: 232168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.3 | 12.5 | 37.5 |
| 91 | 27.5 | 13.8 | 41.4 |

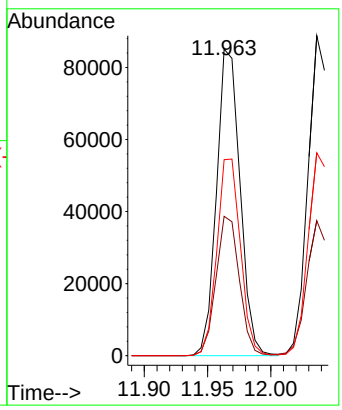





#87
1,3-Dichlorobenzene
Concen: 50.025 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:146 Resp: 10994

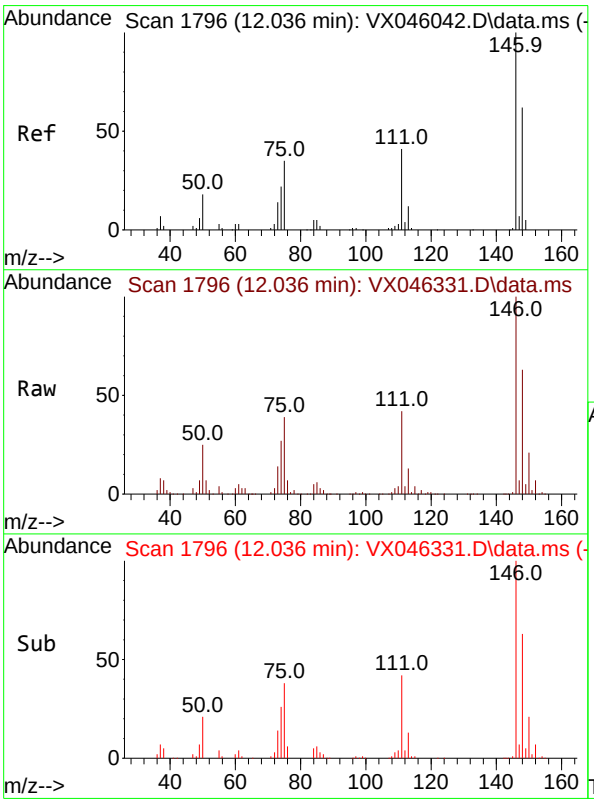
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.2 | 22.1 | 66.3 |
| 148 | 64.2 | 32.1 | 96.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

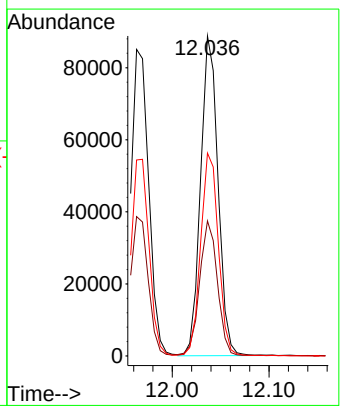
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

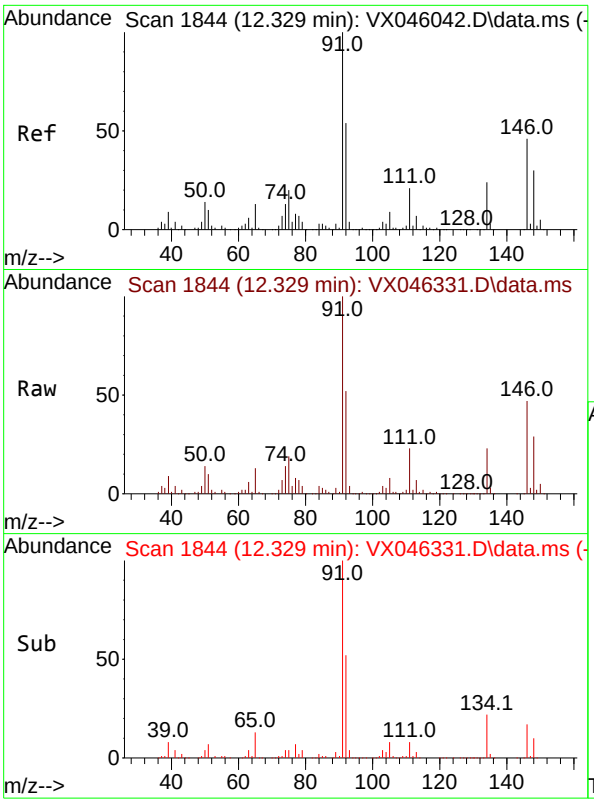



#88
1,4-Dichlorobenzene
Concen: 49.641 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:146 Resp: 111425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.3 | 63.9 |
| 148 | 64.9 | 31.9 | 95.5 |

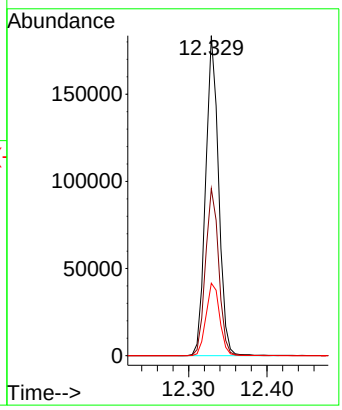





#89
n-Butylbenzene
Concen: 54.179 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 91 Resp: 21025

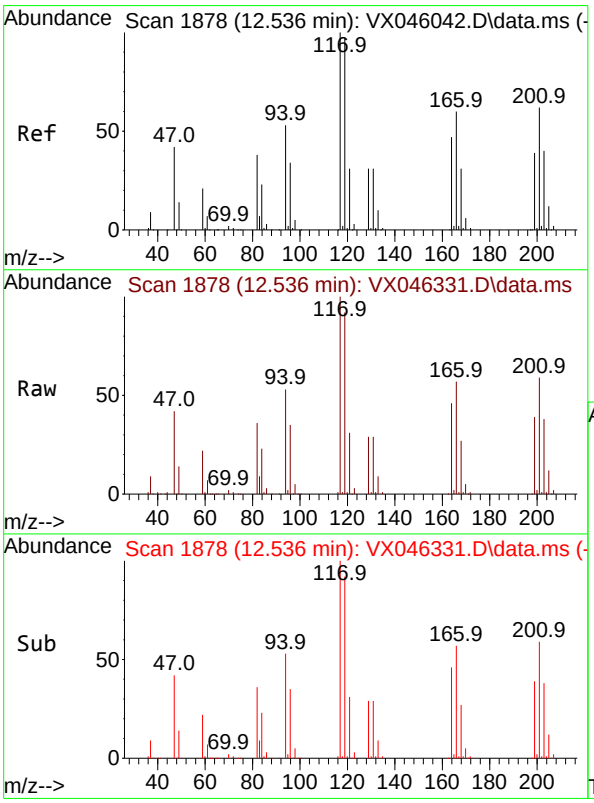
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.3 | 26.9 | 80.7 |
| 134 | 23.9 | 11.8 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

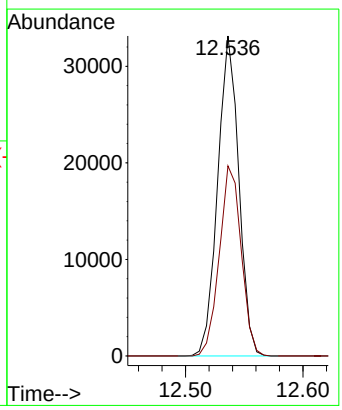
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

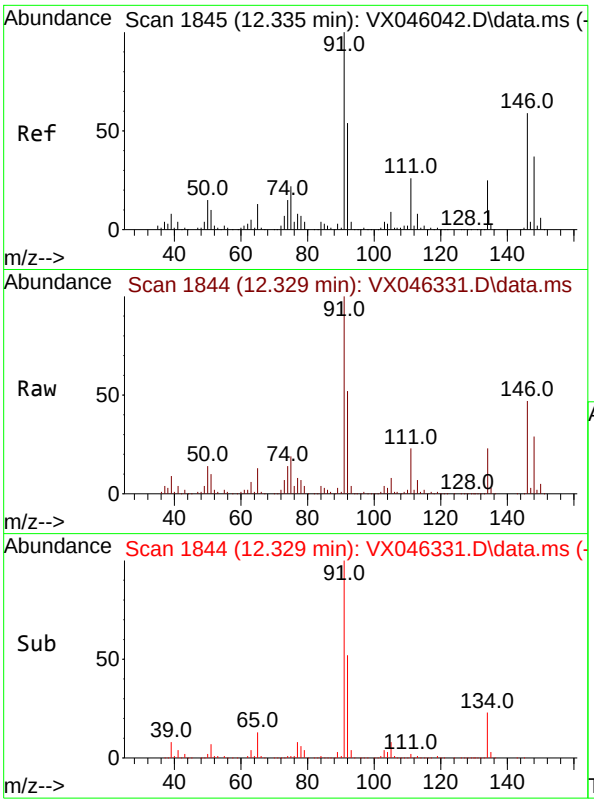



#90
Hexachloroethane
Concen: 53.122 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:117 Resp: 41404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 61.6 | 31.6 | 94.7 |

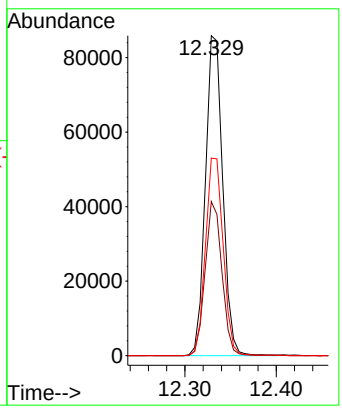





#91
1,2-Dichlorobenzene
Concen: 51.002 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:146 Resp: 11248

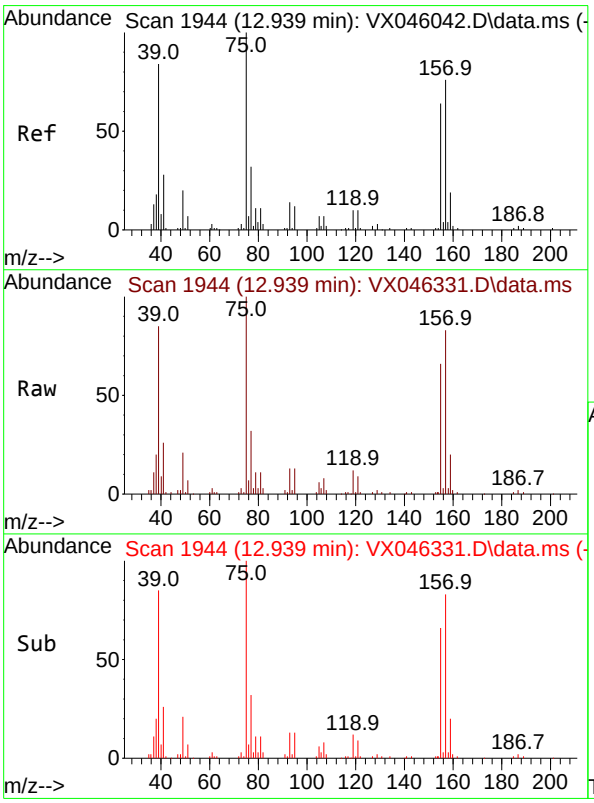
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.8 | 22.4 | 67.3 |
| 148 | 63.4 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

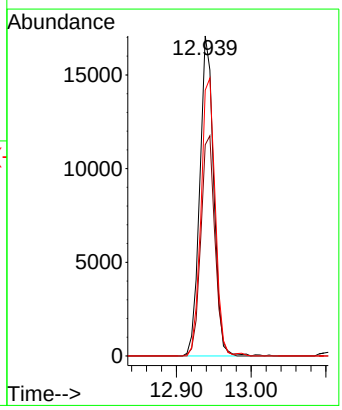
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

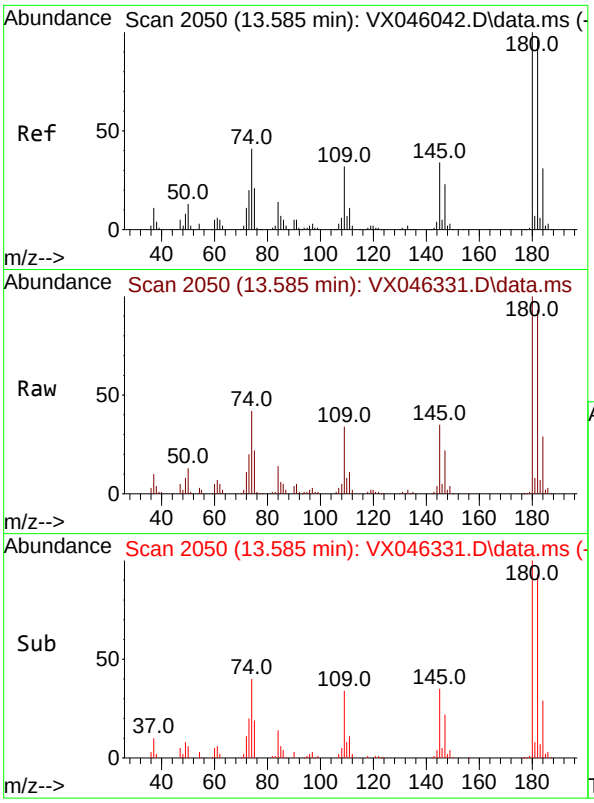



#92
1,2-Dibromo-3-Chloropropane
Concen: 55.085 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 22183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 69.3 | 34.9 | 104.8 |
| 157 | 88.3 | 43.8 | 131.4 |

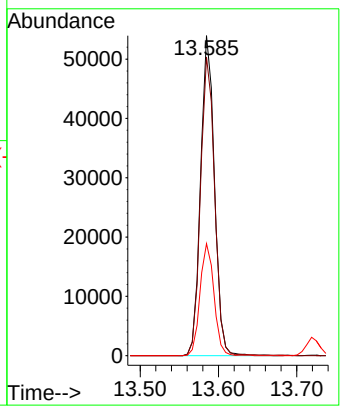





#93
1,2,4-Trichlorobenzene
Concen: 52.307 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:180 Resp: 6626

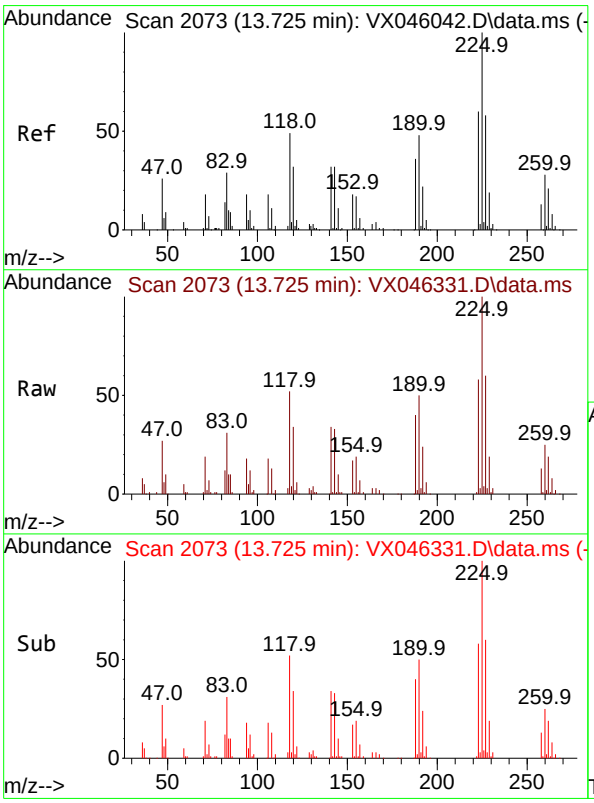
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 47.9 | 143.8 |
| 145 | 35.3 | 17.1 | 51.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

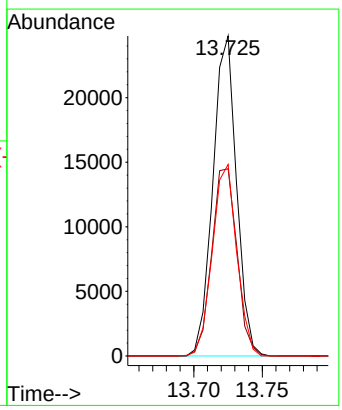
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

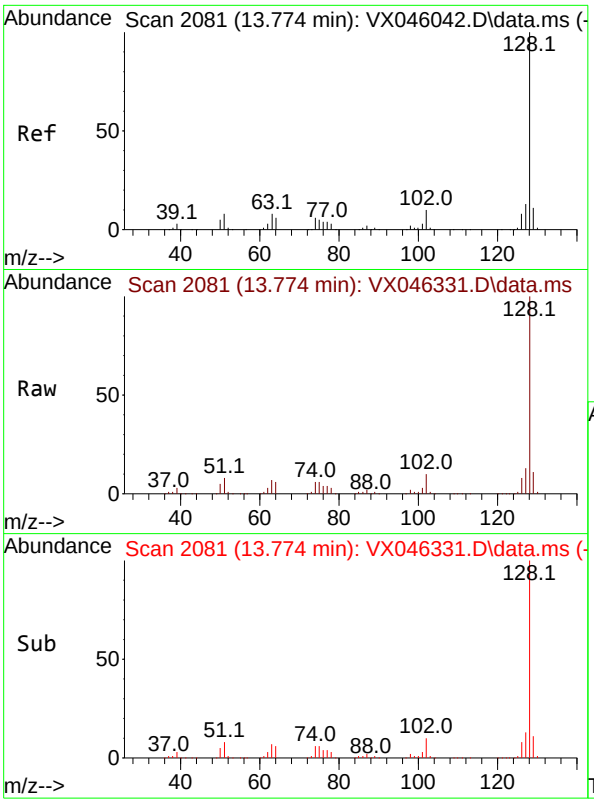



#94
Hexachlorobutadiene
Concen: 53.637 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:225 Resp: 29675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 30.8 | 92.4 |
| 227 | 61.8 | 30.9 | 92.7 |

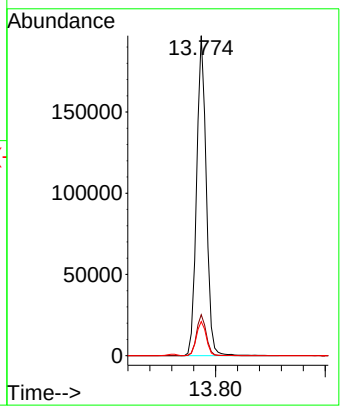





#95
Naphthalene
Concen: 52.127 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:128 Resp: 24218

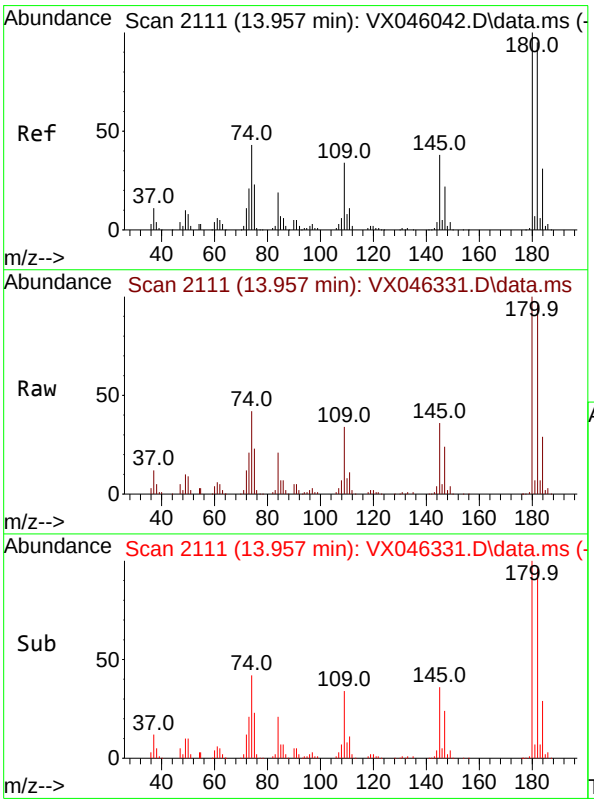
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.4 | 15.6 |
| 129 | 10.9 | 8.6 | 13.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

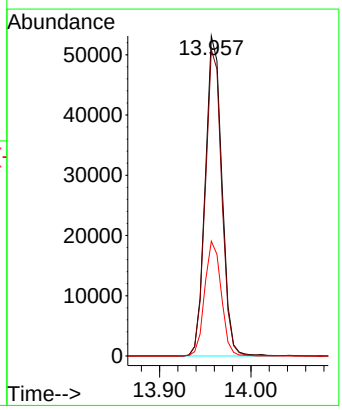
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 51.275 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:180 Resp: 67021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.0 | 47.8 | 143.3 |
| 145 | 35.5 | 18.1 | 54.3 |



Sample Results: **VX046331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 93 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.765 | 0.718 | 6.1 | 77 | 0.00 |
| 3 | P | Chloromethane | 0.742 | 0.654 | 11.9 | 78 | 0.00 |
| 4 | C | Vinyl Chloride | 0.691 | 0.592 | 14.3# | 77 | 0.00 |
| 5 | T | Bromomethane | 0.320 | 0.288 | 10.0 | 82 | 0.00 |
| 6 | T | Chloroethane | 0.369 | 0.378 | -2.4 | 93 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.021 | 0.993 | 2.7 | 86 | 0.00 |
| 8 | T | Diethyl Ether | 0.347 | 0.339 | 2.3 | 93 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.632 | 0.618 | 2.2 | 89 | 0.00 |
| 10 | T | Methyl Iodide | 0.747 | 0.684 | 8.4 | 79 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.131 | 0.143 | -9.2 | 103 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.593 | 0.550 | 7.3# | 85 | 0.00 |
| 13 | T | Acrolein | 0.149 | 0.160 | -7.4 | 97 | 0.00 |
| 14 | T | Allyl chloride | 1.133 | 1.169 | -3.2 | 92 | 0.00 |
| 15 | T | Acrylonitrile | 0.374 | 0.404 | -8.0 | 97 | 0.00 |
| 16 | T | Acetone | 0.374 | 0.393 | -5.1 | 101 | 0.00 |
| 17 | T | Carbon Disulfide | 1.406 | 1.170 | 16.8 | 74 | 0.00 |
| 18 | T | Methyl Acetate | 0.867 | 1.100 | -26.9# | 120 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.079 | 2.197 | -5.7 | 94 | 0.00 |
| 20 | T | Methylene Chloride | 0.716 | 0.663 | 7.4 | 90 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.596 | 0.560 | 6.0 | 85 | 0.00 |
| 22 | T | Diisopropyl ether | 2.189 | 2.307 | -5.4 | 94 | 0.00 |
| 23 | T | Vinyl Acetate | 1.925 | 2.026 | -5.2 | 92 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.219 | 1.239 | -1.6 | 91 | 0.00 |
| 25 | T | 2-Butanone | 0.543 | 0.592 | -9.0 | 99 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.954 | 0.995 | -4.3 | 96 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.718 | 0.706 | 1.7 | 89 | 0.00 |
| 28 | T | Bromochloromethane | 0.587 | 0.602 | -2.6 | 97 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.340 | 0.371 | -9.1 | 98 | 0.00 |
| 30 | C | Chloroform | 1.271 | 1.286 | -1.2# | 92 | 0.00 |
| 31 | T | Cyclohexane | 1.111 | 1.026 | 7.7 | 84 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.101 | 1.128 | -2.5 | 92 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.932 | 0.966 | -3.6 | 98 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.360 | 0.384 | -6.7 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.484 | 0.468 | 3.3 | 87 | 0.00 |
| 37 | T | Ethyl Acetate | 0.598 | 0.630 | -5.4 | 95 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.544 | 0.551 | -1.3 | 91 | 0.00 |
| 39 | T | Methylcyclohexane | 0.623 | 0.597 | 4.2 | 86 | 0.00 |
| 40 | TM | Benzene | 1.417 | 1.421 | -0.3 | 89 | 0.00 |
| 41 | T | Methacrylonitrile | 0.313 | 0.365 | -16.6 | 97 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.612 | 0.628 | -2.6 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.912 | 1.021 | -12.0 | 98 | 0.00 |
| 44 | TM | Trichloroethene | 0.341 | 0.343 | -0.6 | 89 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.352 | 0.374 | -6.3# | 93 | 0.00 |
| 46 | T | Dibromomethane | 0.278 | 0.286 | -2.9 | 92 | 0.00 |
| 47 | T | Bromodichloromethane | 0.547 | 0.595 | -8.8 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 0.466 | 0.535 | -14.8 | 98 | 0.00 |

Sample Results: **VX046331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 0.009 | 0.009 | 0.0 | 95 | 0.00 |
| 50 | S | Toluene-d8 | 1.246 | 1.307 | -4.9 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.605 | 0.677 | -11.9 | 99 | 0.00 |
| 52 | CM | Toluene | 0.869 | 0.878 | -1.0# | 90 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.487 | 0.542 | -11.3 | 95 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.538 | 0.591 | -9.9 | 94 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.343 | 0.366 | -6.7 | 95 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.546 | 0.629 | -15.2 | 98 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.615 | 0.639 | -3.9 | 95 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.278 | 0.299 | -7.6 | 90 | 0.00 |
| 59 | T | 2-Hexanone | 0.448 | 0.511 | -14.1 | 100 | 0.00 |
| 60 | T | Dibromochloromethane | 0.376 | 0.417 | -10.9 | 96 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.356 | 0.377 | -5.9 | 93 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.478 | 0.514 | -7.5 | 101 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 0.354 | 0.357 | -0.8 | 89 | 0.00 |
| 65 | PM | Chlorobenzene | 1.094 | 1.084 | 0.9 | 93 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.374 | 0.389 | -4.0 | 93 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 1.985 | -2.9# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 0.706 | 0.719 | -1.8 | 91 | 0.00 |
| 69 | T | o-Xylene | 0.688 | 0.714 | -3.8 | 92 | 0.00 |
| 70 | T | Styrene | 1.127 | 1.208 | -7.2 | 93 | 0.00 |
| 71 | P | Bromoform | 0.281 | 0.310 | -10.3 | 96 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 73 | T | Isopropylbenzene | 3.893 | 3.986 | -2.4 | 95 | 0.00 |
| 74 | T | N-amyl acetate | 1.924 | 2.081 | -8.2 | 99 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.364 | 1.366 | -0.1 | 100 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.204 | 1.228 | -2.0 | 101 | 0.00 |
| 77 | T | Bromobenzene | 0.904 | 0.894 | 1.1 | 94 | 0.00 |
| 78 | T | n-propylbenzene | 4.526 | 4.678 | -3.4 | 94 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.919 | 2.868 | 1.7 | 94 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.252 | 3.374 | -3.8 | 95 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.370 | 0.405 | -9.5 | 103 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.238 | 3.296 | -1.8 | 94 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.276 | 3.334 | -1.8 | 95 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.293 | 3.388 | -2.9 | 94 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.022 | 4.204 | -4.5 | 96 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.320 | 3.484 | -4.9 | 96 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.649 | 1.650 | -0.1 | 95 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.684 | 1.672 | 0.7 | 97 | 0.00 |
| 89 | T | n-Butylbenzene | 2.912 | 3.156 | -8.4 | 98 | 0.00 |
| 90 | T | Hexachloroethane | 0.585 | 0.621 | -6.2 | 98 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.655 | 1.688 | -2.0 | 98 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.302 | 0.333 | -10.3 | 101 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.951 | 0.994 | -4.5 | 99 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.415 | 0.445 | -7.2 | 102 | 0.00 |
| 95 | T | Naphthalene | 3.487 | 3.635 | -4.2 | 99 | 0.00 |

Sample Results: **VX046331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 0.981 | 1.006 | -2.5 | 97 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX046331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 93 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 46.886 | 6.2 | 77 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 44.072 | 11.9 | 78 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 42.877 | 14.2# | 77 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 45.004 | 10.0 | 82 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 51.230 | -2.5 | 93 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 48.653 | 2.7 | 86 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 48.706 | 2.6 | 93 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.939 | 2.1 | 89 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 45.758 | 8.5 | 79 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 274.166 | -9.7 | 103 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 46.384 | 7.2# | 85 | 0.00 |
| 13 | T | Acrolein | 250.000 | 268.519 | -7.4 | 97 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 51.568 | -3.1 | 92 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 270.194 | -8.1 | 97 | 0.00 |
| 16 | T | Acetone | 250.000 | 263.114 | -5.2 | 101 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 41.606 | 16.8 | 74 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 63.388 | -26.8# | 120 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.851 | -5.7 | 94 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 46.299 | 7.4 | 90 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.000 | 6.0 | 85 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.704 | -5.4 | 94 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 263.054 | -5.2 | 92 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.826 | -1.7 | 91 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 272.843 | -9.1 | 99 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 52.155 | -4.3 | 96 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.159 | 1.7 | 89 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 51.292 | -2.6 | 97 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 272.575 | -9.0 | 98 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.618 | -1.2# | 92 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.166 | 7.7 | 84 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.206 | -2.4 | 92 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.802 | -3.6 | 98 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.265 | -6.5 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.349 | 3.3 | 87 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.723 | -5.4 | 95 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.709 | -1.4 | 91 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.954 | 4.1 | 86 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.133 | -0.3 | 89 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 58.302 | -16.6 | 97 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.375 | -2.8 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 55.999 | -12.0 | 98 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.279 | -0.6 | 89 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 53.136 | -6.3# | 93 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.454 | -2.9 | 92 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.392 | -8.8 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 57.467 | -14.9 | 98 | 0.00 |

Sample Results: **VX046331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 1053.147 | -5.3 | 95 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 52.423 | -4.8 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 279.753 | -11.9 | 99 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.537 | -1.1# | 90 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 55.750 | -11.5 | 95 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.982 | -10.0 | 94 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.371 | -6.7 | 95 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 57.619 | -15.2 | 98 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.895 | -3.8 | 95 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 268.416 | -7.4 | 90 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 285.172 | -14.1 | 100 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 55.399 | -10.8 | 96 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.931 | -5.9 | 93 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 53.716 | -7.4 | 101 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 50.481 | -1.0 | 89 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.525 | 1.0 | 93 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.010 | -4.0 | 93 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 51.457 | -2.9# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 101.954 | -2.0 | 91 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.899 | -3.8 | 92 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.599 | -7.2 | 93 | 0.00 |
| 71 | P | Bromoform | 50.000 | 55.224 | -10.4 | 96 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.196 | -2.4 | 95 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.091 | -8.2 | 99 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.066 | -0.1 | 100 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 51.027 | -2.1 | 101 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.441 | 1.1 | 94 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.673 | -3.3 | 94 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.128 | 1.7 | 94 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.877 | -3.8 | 95 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 54.814 | -9.6 | 103 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.910 | -1.8 | 94 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.888 | -1.8 | 95 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.438 | -2.9 | 94 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.265 | -4.5 | 96 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 52.479 | -5.0 | 96 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.025 | -0.0 | 95 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.641 | 0.7 | 97 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 54.179 | -8.4 | 98 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 53.122 | -6.2 | 98 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.002 | -2.0 | 98 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 55.085 | -10.2 | 101 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.307 | -4.6 | 99 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 53.637 | -7.3 | 102 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.127 | -4.3 | 99 | 0.00 |

Sample Results: **VX046331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.275 | -2.5 | 97 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX046357.D**

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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2120 SAS No.: Q2120 SDG No.: Q2120

Instrument ID: MSVOA_X Calibration Date/Time: 05/23/2025 19:55

Lab File ID: VX046357.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Chloromethane | 0.742 | 0.828 | 0.1 | 11.59 | 50 |
| Vinyl Chloride | 0.691 | 0.742 | | 7.38 | 50 |
| Bromomethane | 0.320 | 0.337 | | 5.31 | 50 |
| Chloroethane | 0.369 | 0.428 | | 15.99 | 50 |
| Trichlorofluoromethane | 1.021 | 1.173 | | 14.89 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.632 | 0.715 | | 13.13 | 50 |
| 1,1-Dichloroethene | 0.593 | 0.657 | | 10.79 | 50 |
| Acetone | 0.374 | 0.428 | | 14.44 | 50 |
| Carbon Disulfide | 1.406 | 1.429 | | 1.64 | 50 |
| Methyl tert-butyl Ether | 2.079 | 2.383 | | 14.62 | 50 |
| Methylene Chloride | 0.716 | 0.774 | | 8.1 | 50 |
| trans-1,2-Dichloroethene | 0.596 | 0.665 | | 11.58 | 50 |
| 1,1-Dichloroethane | 1.219 | 1.413 | 0.1 | 15.91 | 50 |
| 2-Butanone | 0.543 | 0.643 | | 18.42 | 50 |
| Carbon Tetrachloride | 0.544 | 0.614 | | 12.87 | 50 |
| cis-1,2-Dichloroethene | 0.718 | 0.826 | | 15.04 | 50 |
| Chloroform | 1.271 | 1.489 | | 17.15 | 50 |
| 1,1,1-Trichloroethane | 1.101 | 1.253 | | 13.81 | 50 |
| Methylcyclohexane | 0.623 | 0.674 | | 8.19 | 50 |
| Benzene | 1.417 | 1.650 | | 16.44 | 50 |
| 1,2-Dichloroethane | 0.612 | 0.717 | | 17.16 | 50 |
| Trichloroethene | 0.341 | 0.379 | | 11.14 | 50 |
| 1,2-Dichloropropane | 0.352 | 0.422 | | 19.89 | 50 |
| Bromodichloromethane | 0.547 | 0.652 | | 19.2 | 50 |
| 4-Methyl-2-Pentanone | 0.605 | 0.739 | | 22.15 | 50 |
| Toluene | 0.869 | 1.003 | | 15.42 | 50 |
| t-1,3-Dichloropropene | 0.487 | 0.559 | | 14.78 | 50 |
| cis-1,3-Dichloropropene | 0.538 | 0.614 | | 14.13 | 50 |
| 1,1,2-Trichloroethane | 0.343 | 0.411 | | 19.83 | 50 |
| 2-Hexanone | 0.448 | 0.551 | | 22.99 | 50 |
| Dibromochloromethane | 0.376 | 0.451 | | 19.95 | 50 |
| Tetrachloroethene | 0.354 | 0.391 | | 10.45 | 50 |
| Chlorobenzene | 1.094 | 1.215 | 0.3 | 11.06 | 50 |
| Ethyl Benzene | 1.929 | 2.216 | | 14.88 | 50 |
| m/p-Xylenes | 0.706 | 0.808 | | 14.45 | 50 |
| o-Xylene | 0.688 | 0.787 | | 14.39 | 50 |
| Styrene | 1.127 | 1.347 | | 19.52 | 50 |
| Bromoform | 0.281 | 0.310 | 0.1 | 10.32 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX046357.D**

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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2120 SAS No.: Q2120 SDG No.: Q2120

Instrument ID: MSVOA_X Calibration Date/Time: 05/23/2025 19:55

Lab File ID: VX046357.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Isopropylbenzene | 3.893 | 4.443 | | 14.13 | 50 |
| 1,1,2,2-Tetrachloroethane | 1.364 | 1.471 | 0.3 | 7.84 | 50 |
| 1,3-Dichlorobenzene | 1.649 | 1.817 | | 10.19 | 50 |
| 1,4-Dichlorobenzene | 1.684 | 1.802 | | 7.01 | 50 |
| 1,2-Dichlorobenzene | 1.655 | 1.854 | | 12.02 | 50 |
| 1,2-Dichloroethane-d4 | 0.932 | 0.992 | | 6.44 | 50 |
| Dibromofluoromethane | 0.360 | 0.392 | | 8.89 | 50 |
| Toluene-d8 | 1.246 | 1.306 | | 4.82 | 50 |
| 4-Bromofluorobenzene | 0.478 | 0.512 | | 7.11 | 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\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 76901 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 133895 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 119793 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 57270 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 76303 | 53.222 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 106.440% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 52529 | 54.480 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 108.960% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 174887 | 52.406 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 104.820% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 68500 | 53.512 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 107.020% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 65162 | 55.362 | ug/l | 99 |
| 3) Chloromethane | 1.301 | 50 | 63674 | 55.785 | ug/l | 97 |
| 4) Vinyl Chloride | 1.374 | 62 | 57094 | 53.745 | ug/l | 96 |
| 5) Bromomethane | 1.599 | 94 | 25945 | 52.657 | ug/l | 96 |
| 6) Chloroethane | 1.672 | 64 | 32902 | 58.018 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.880 | 101 | 90174 | 57.436 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 28974 | 54.212 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 55002 | 56.611 | ug/l | 99 |
| 10) Methyl Iodide | 2.447 | 142 | 65612 | 57.072 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.971 | 59 | 55085 | 273.720 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.313 | 96 | 50511 | 55.394 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 70211 | 306.348 | ug/l | 98 |
| 14) Allyl chloride | 2.660 | 41 | 100827 | 57.856 | ug/l | 98 |
| 15) Acrylonitrile | 3.062 | 53 | 173054 | 300.729 | ug/l | 99 |
| 16) Acetone | 2.380 | 43 | 164548 | 286.251 | ug/l | 100 |
| 17) Carbon Disulfide | 2.508 | 76 | 109883 | 50.829 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 90704 | 67.998 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 183289 | 57.333 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 59518 | 54.030 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 51128 | 55.755 | ug/l | 98 |
| 22) Diisopropyl ether | 3.764 | 45 | 200763 | 59.639 | ug/l | 91 |
| 23) Vinyl Acetate | 3.721 | 43 | 863186 | 291.539 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 108698 | 57.974 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 247090 | 296.078 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 70613 | 48.116 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 63500 | 57.522 | ug/l | 100 |
| 28) Bromochloromethane | 4.891 | 49 | 52129 | 57.760 | ug/l | 95 |
| 29) Tetrahydrofuran | 5.001 | 42 | 154512 | 295.465 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 114469 | 58.573 | ug/l | 95 |
| 31) Cyclohexane | 5.464 | 56 | 95051 | 55.632 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 96340 | 56.869 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 72138 | 55.684 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 92364 | 57.707 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 82234 | 56.496 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 90301 | 54.143 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 220905 | 58.216 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 54334 | 64.894 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 95945 | 58.585 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.336 | 43 | 144296 | 59.095 | ug/l | | 99 |
| 44) Trichloroethene | 7.123 | 130 | 50758 | 55.577 | ug/l | | 95 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 56489 | 59.869 | ug/l | | 100 |
| 46) Dibromomethane | 7.580 | 93 | 43094 | 57.908 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 87255 | 59.530 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 76552 | 61.388 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 27383 | 1156.492 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 494800 | 305.280 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 134352 | 57.742 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 74835 | 57.441 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 82245 | 57.117 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 55081 | 60.037 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 89269 | 61.050 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 95448 | 57.929 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 216543 | 290.480 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 368660 | 307.441 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 60337 | 59.883 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 54964 | 57.641 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 46807 | 55.224 | ug/l | | 97 |
| 65) Chlorobenzene | 10.073 | 112 | 145604 | 55.532 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 50957 | 56.915 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 265477 | 57.440 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 193557 | 114.503 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 94322 | 57.235 | ug/l | | 97 |
| 70) Styrene | 10.653 | 104 | 161327 | 59.760 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 37155 | 55.274 | ug/l | # | 96 |
| 73) Isopropylbenzene | 10.957 | 105 | 254450 | 57.069 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 127633 | 57.930 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 84242 | 53.916 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 76090m | 55.197 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 57480 | 55.529 | ug/l | | 99 |
| 78) n-propylbenzene | 11.299 | 91 | 298001 | 57.482 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 183213 | 54.791 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 214369 | 57.551 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 22130 | 52.265 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 209928 | 56.611 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 210698 | 56.156 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 215135 | 57.033 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 263013 | 57.092 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 218175 | 57.375 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 104059 | 55.082 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 103178 | 53.479 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 193146 | 57.905 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 36765 | 54.879 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 106177 | 56.008 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 19820 | 57.261 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 58756 | 53.962 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 25883 | 54.428 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 217170 | 54.381 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 61179 | 54.454 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

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

Sample Results: **VX046357.D**

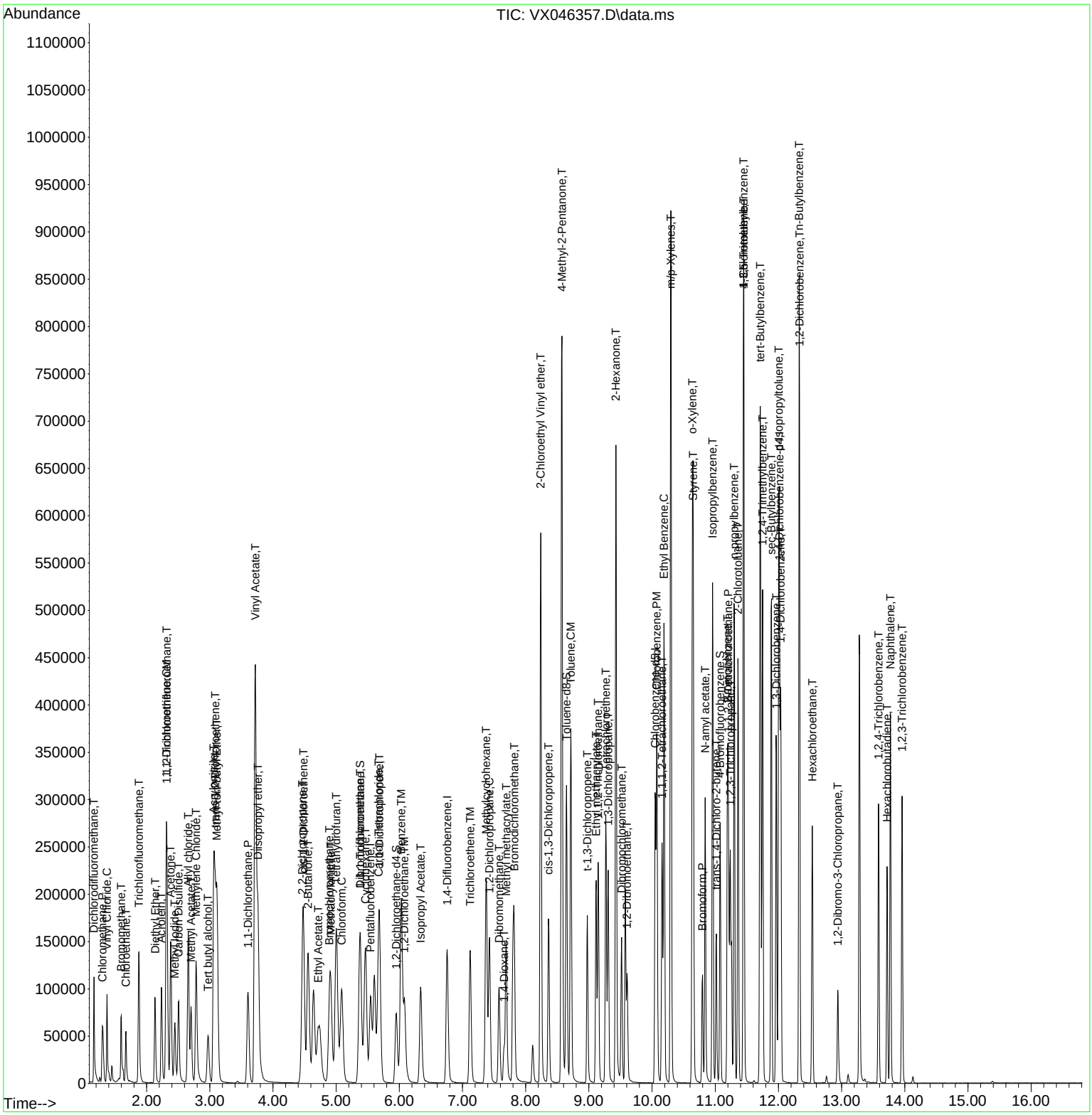
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

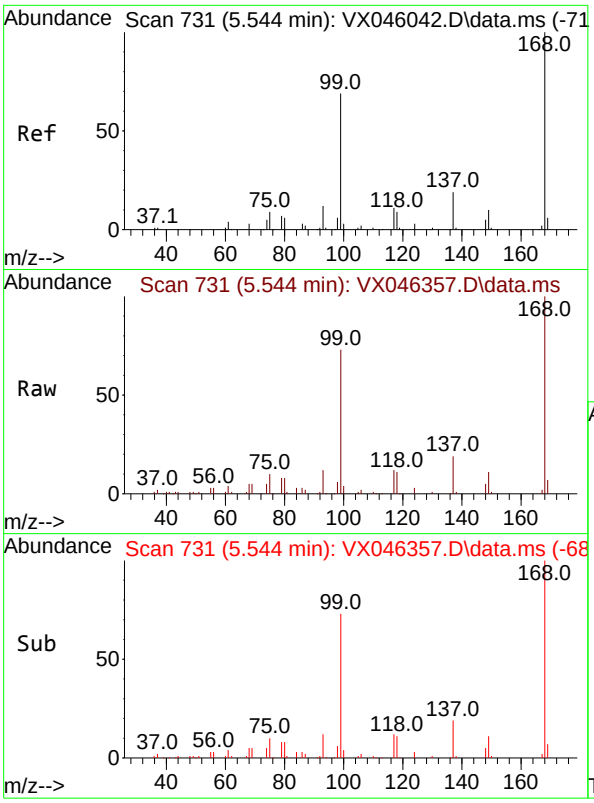
Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

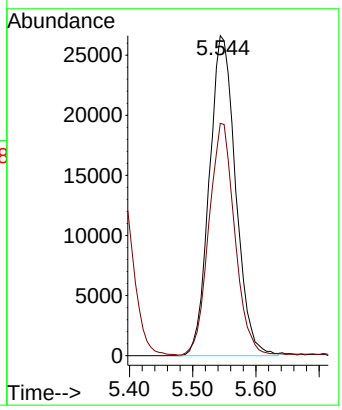





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:168 Resp: 7690

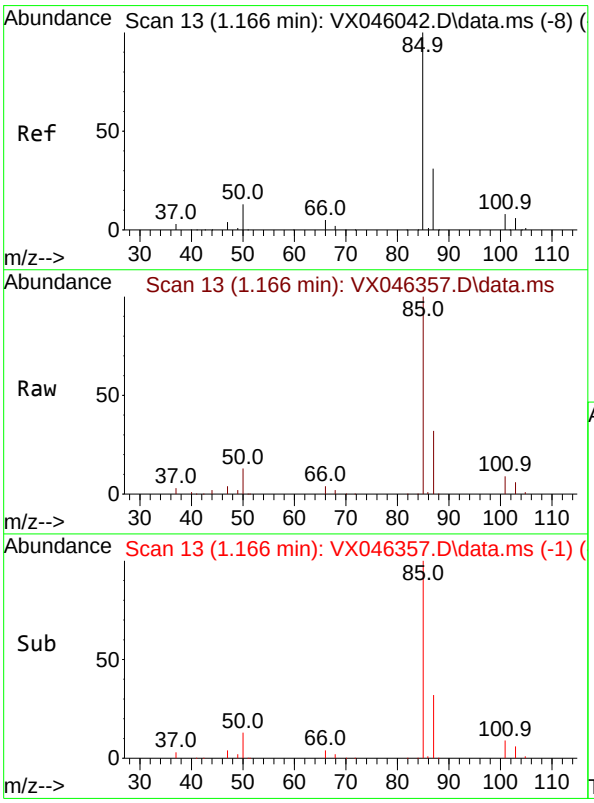
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 72.4 | 54.9 | 82.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

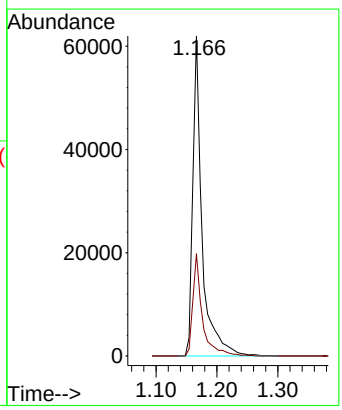
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

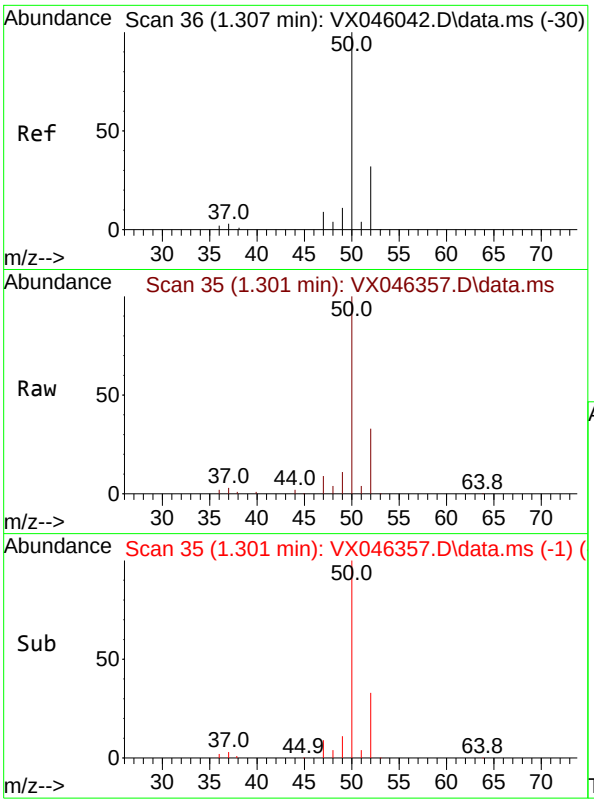



#2
Dichlorodifluoromethane
Concen: 55.362 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 85 Resp: 65162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.0 | 15.7 | 47.1 |

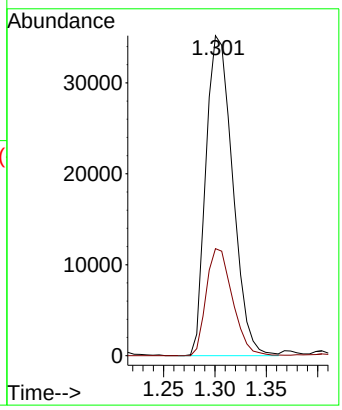





#3
Chloromethane
Concen: 55.785 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 50 Resp: 6367

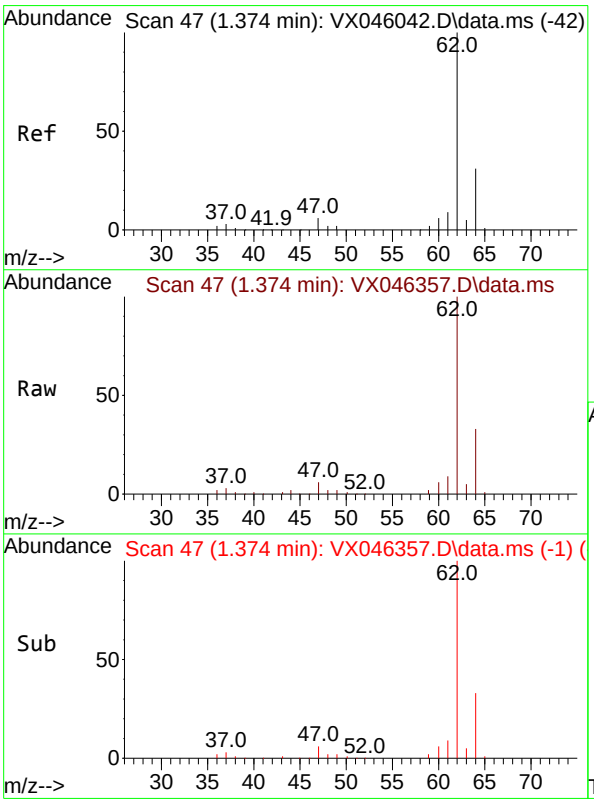
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.5 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

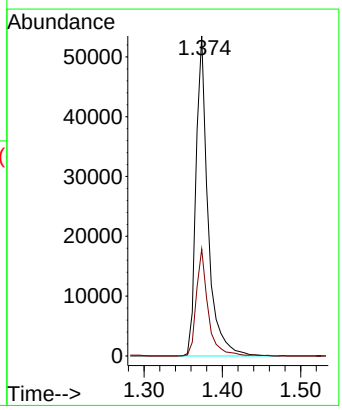
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

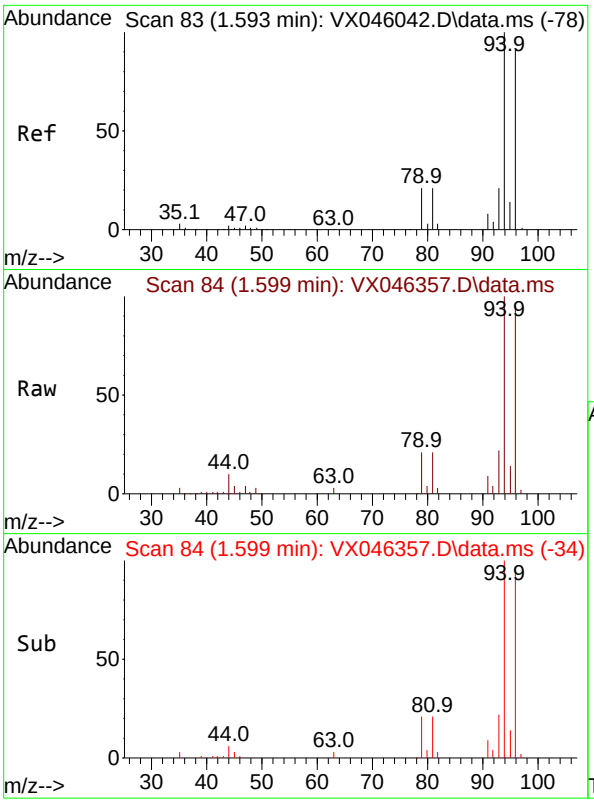



#4
Vinyl Chloride
Concen: 53.745 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 62 Resp: 57094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.5 | 25.2 | 37.8 |






#5
Bromomethane
Concen: 52.657 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

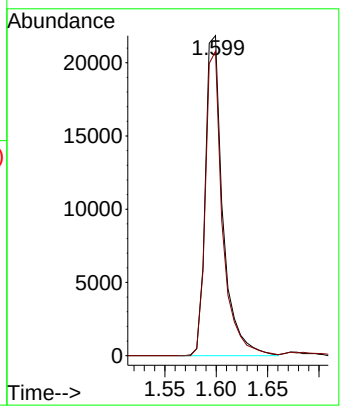
Tgt Ion: 94 Resp: 2594

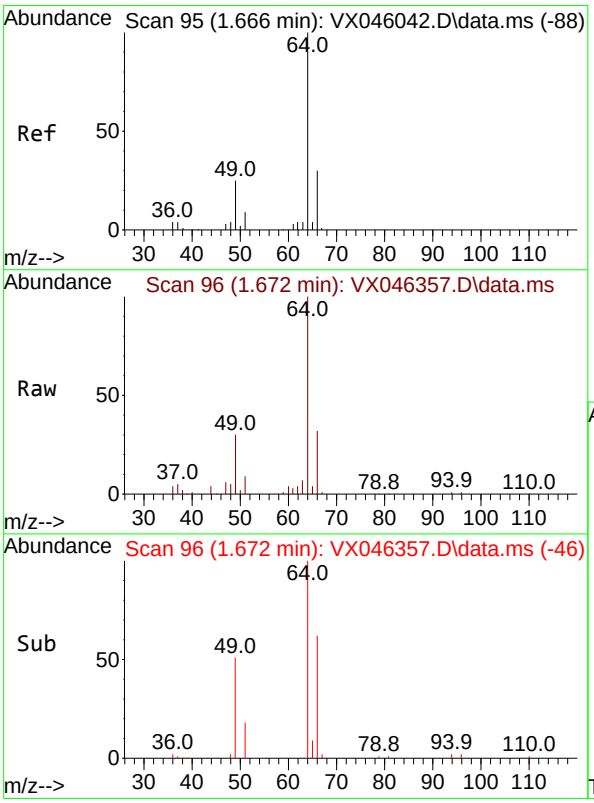
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.2 | 72.8 | 109.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

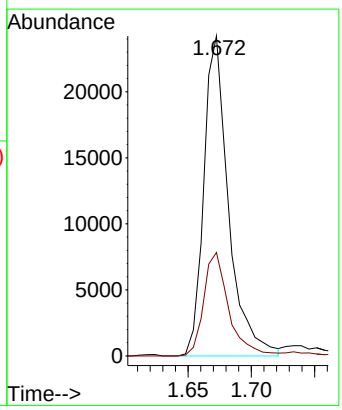


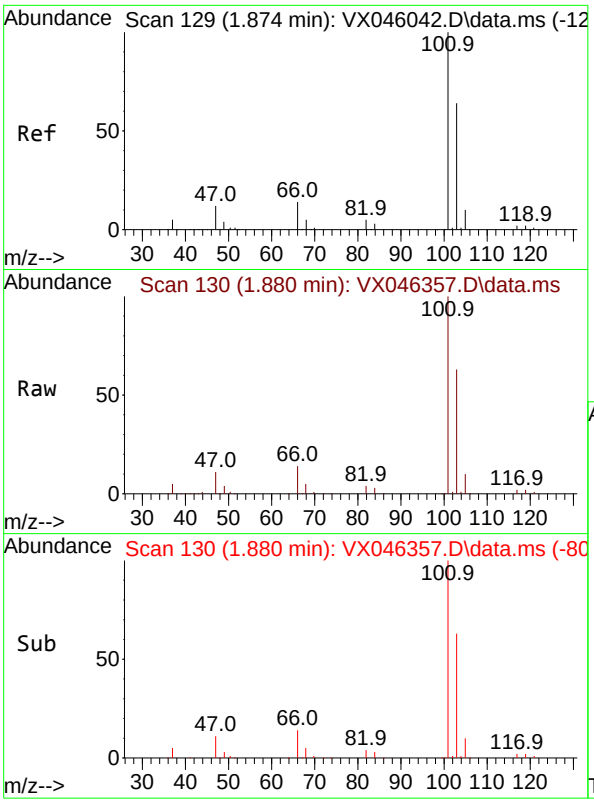




#6
Chloroethane
Concen: 58.018 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 64 Resp: 32902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.3 | 24.3 | 36.5 |

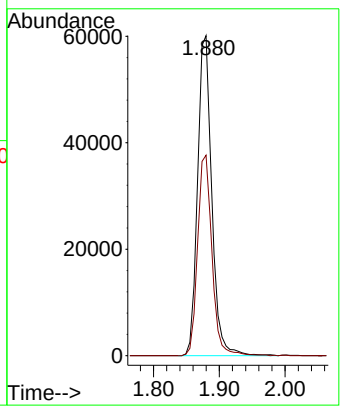





#7
Trichlorofluoromethane
Concen: 57.436 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:101 Resp: 9017

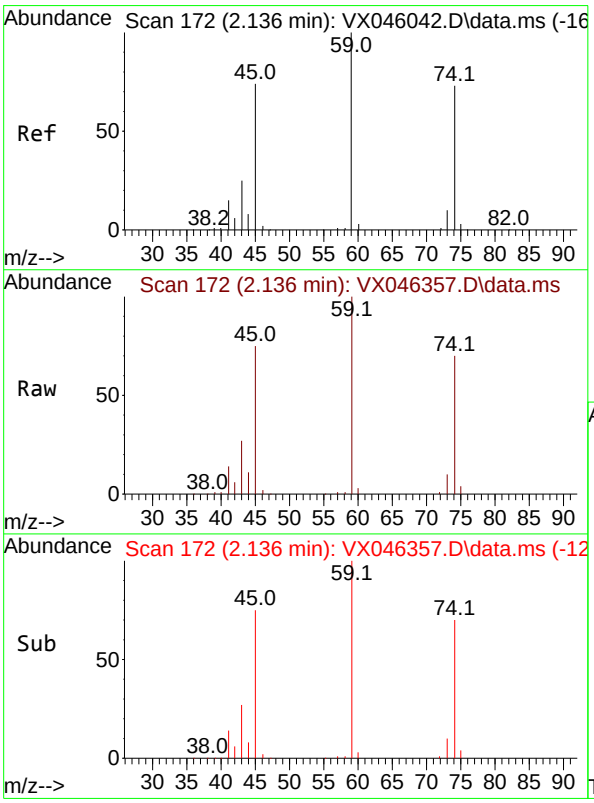
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.7 | 51.0 | 76.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

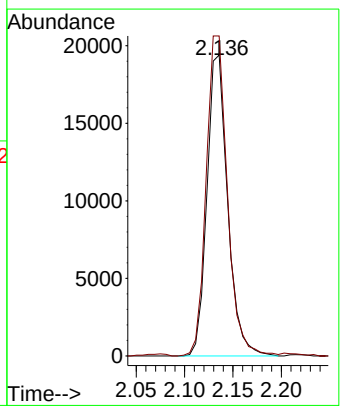
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

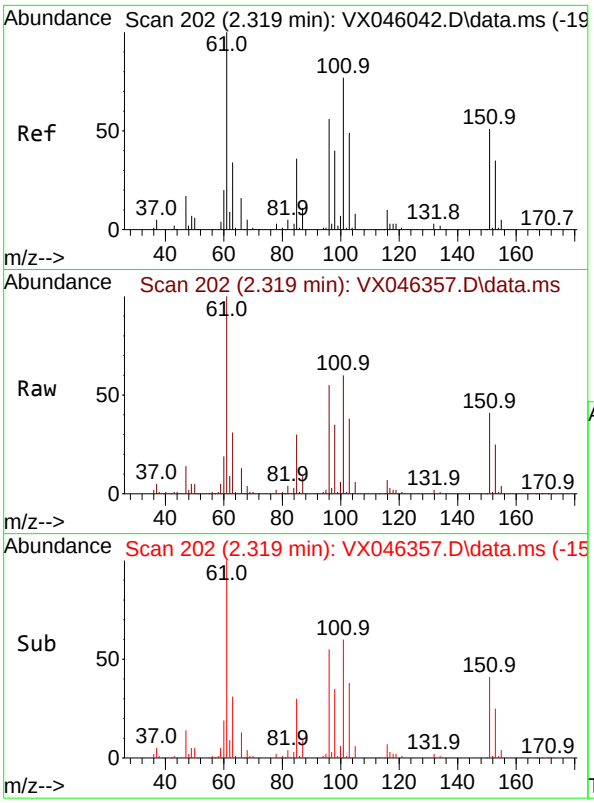



#8
Diethyl Ether
Concen: 54.212 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 74 Resp: 28974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 109.1 | 54.9 | 164.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.611 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

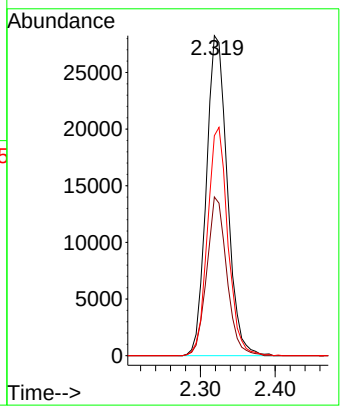
Tgt Ion:101 Resp: 5500

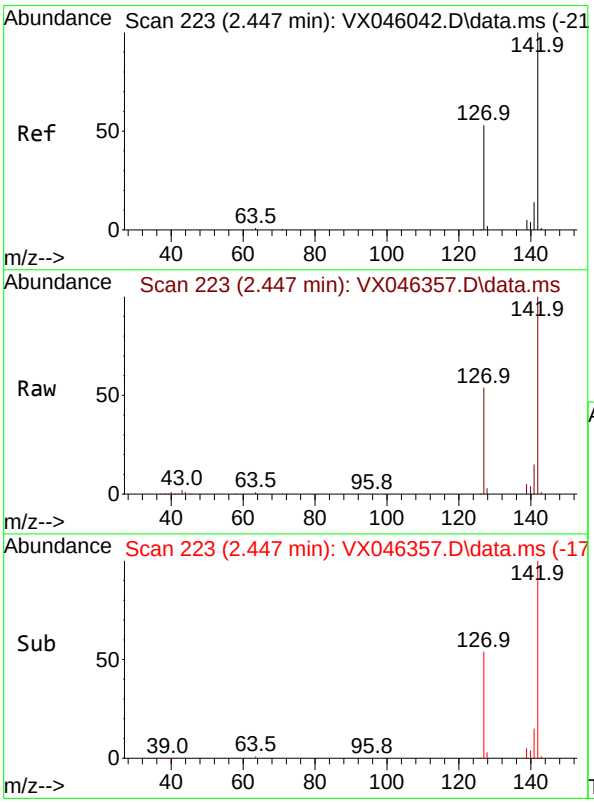
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.4 | 38.6 | 58.0 |
| 151 | 69.5 | 55.2 | 82.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

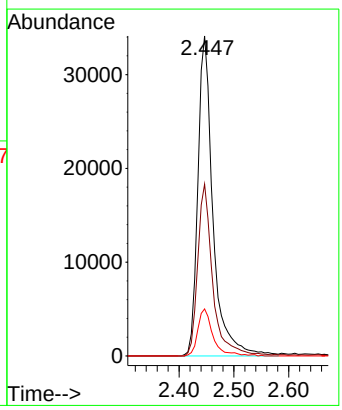


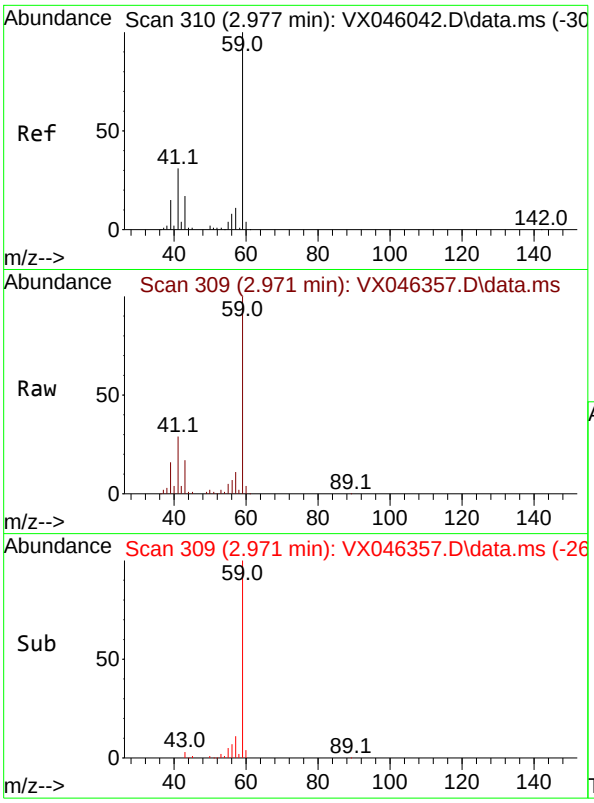




#10
Methyl Iodide
Concen: 57.072 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:142 Resp: 65612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 53.1 | 41.7 | 62.5 |
| 141 | 14.8 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 273.720 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

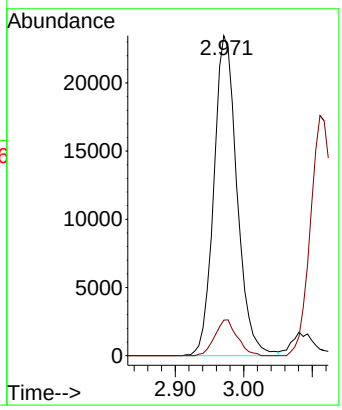
Tgt Ion: 59 Resp: 5508

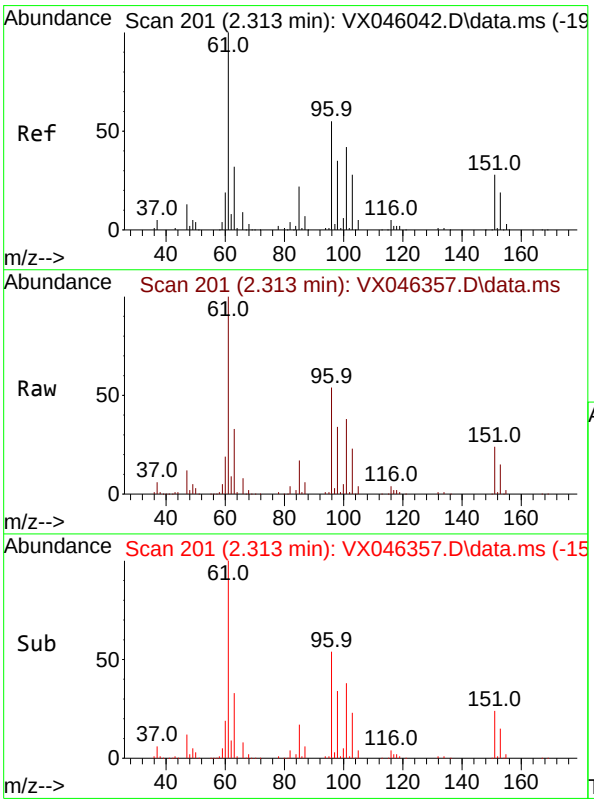
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.8 | 8.6 | 12.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

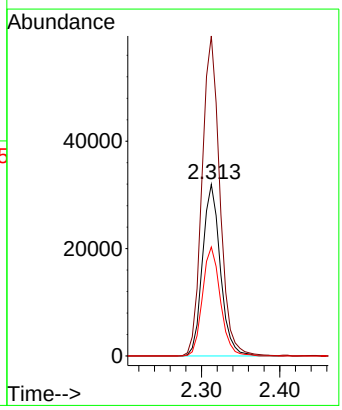


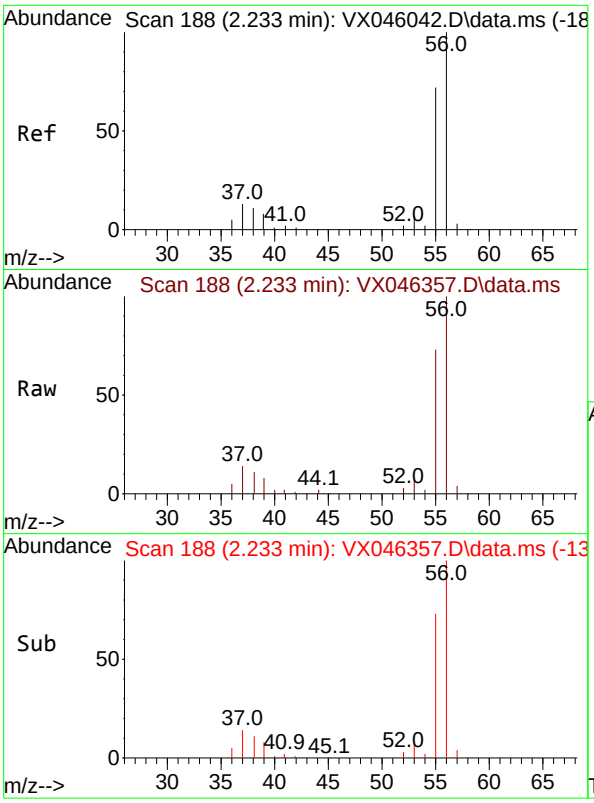




#12
1,1-Dichloroethene
Concen: 55.394 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 96 Resp: 50511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 186.5 | 146.2 | 219.2 |
| 98 | 63.5 | 51.0 | 76.6 |






#13
Acrolein
Concen: 306.348 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

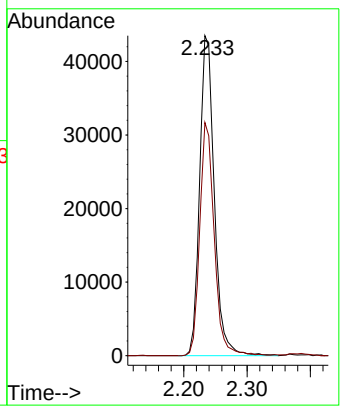
Tgt Ion: 56 Resp: 7021

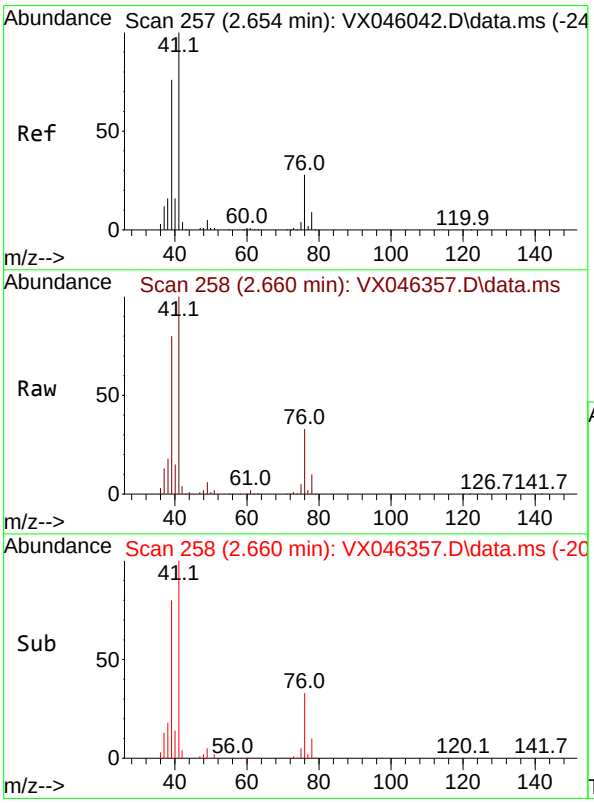
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.2 | 56.2 | 84.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

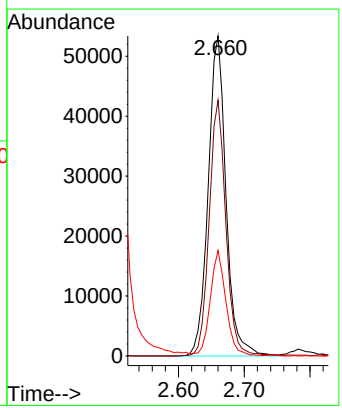


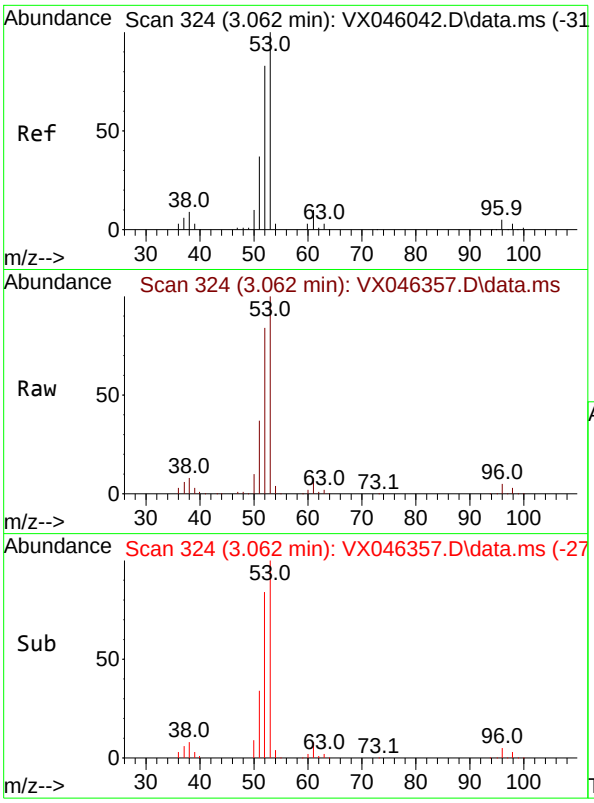




#14
Allyl chloride
Concen: 57.856 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 41 Resp: 100827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.8 | 60.6 | 90.8 |
| 76 | 28.7 | 24.9 | 37.3 |

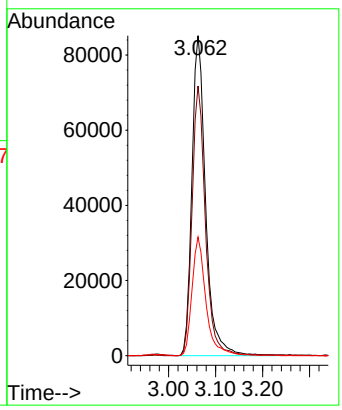





#15
Acrylonitrile
Concen: 300.729 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 53 Resp: 17305

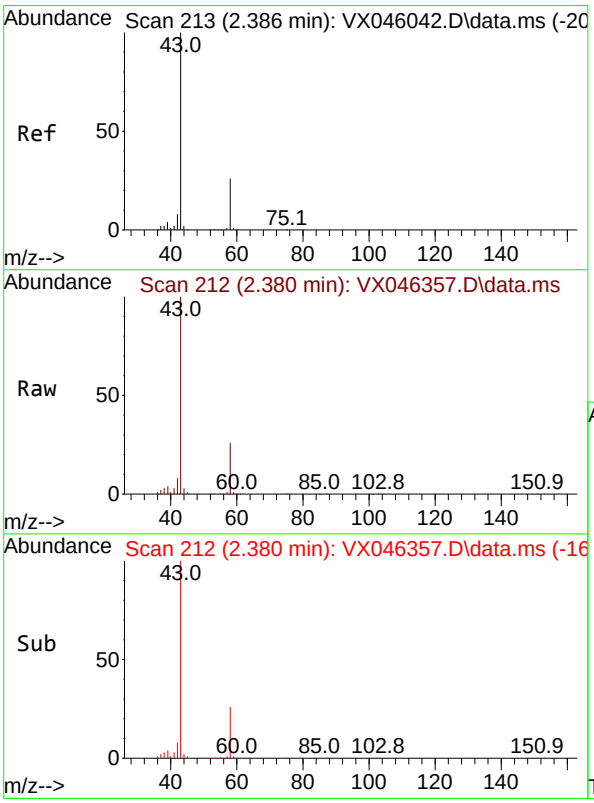
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 65.3 | 97.9 |
| 51 | 37.7 | 29.8 | 44.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

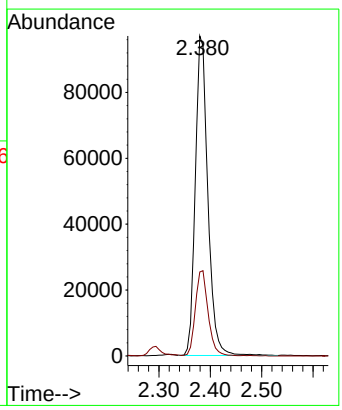
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

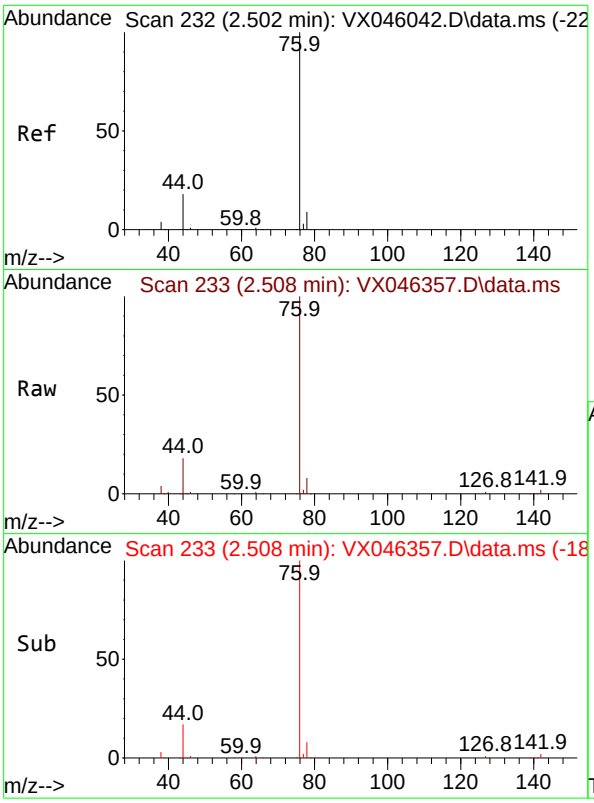



#16
Acetone
Concen: 286.251 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 43 Resp: 164548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.3 | 21.2 | 31.8 |






#17
Carbon Disulfide
Concen: 50.829 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

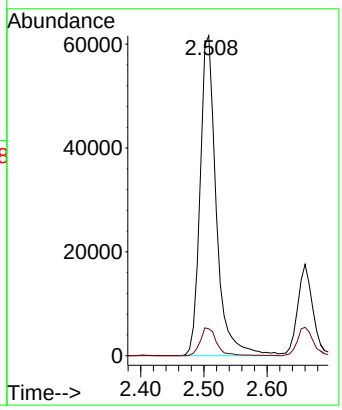
Tgt Ion: 76 Resp: 10988

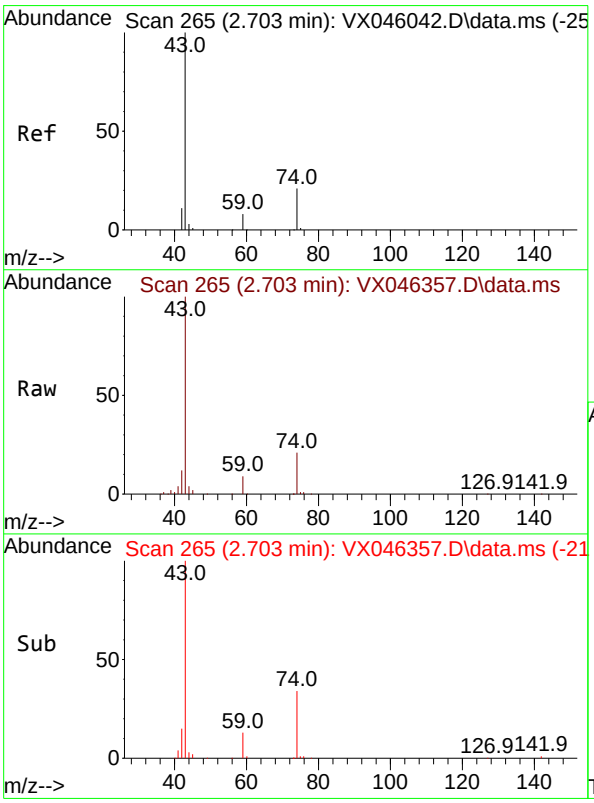
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.4 | 7.0 | 10.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

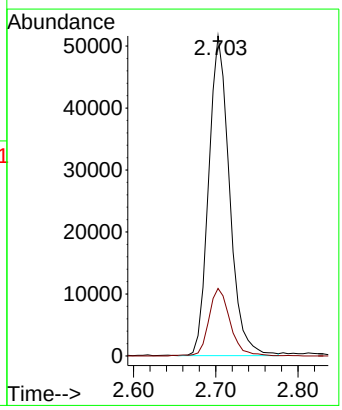


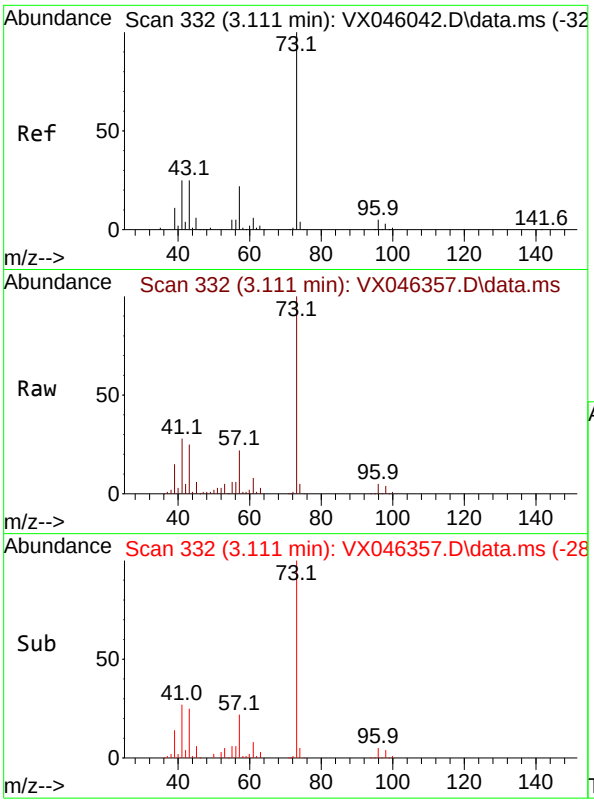




#18
Methyl Acetate
Concen: 67.998 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 43 Resp: 90704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.6 | 16.7 | 25.1 |

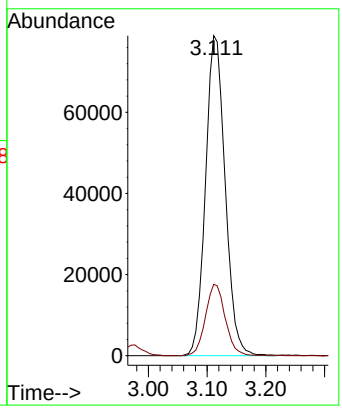





#19
Methyl tert-butyl Ether
Concen: 57.333 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 73 Resp: 18328

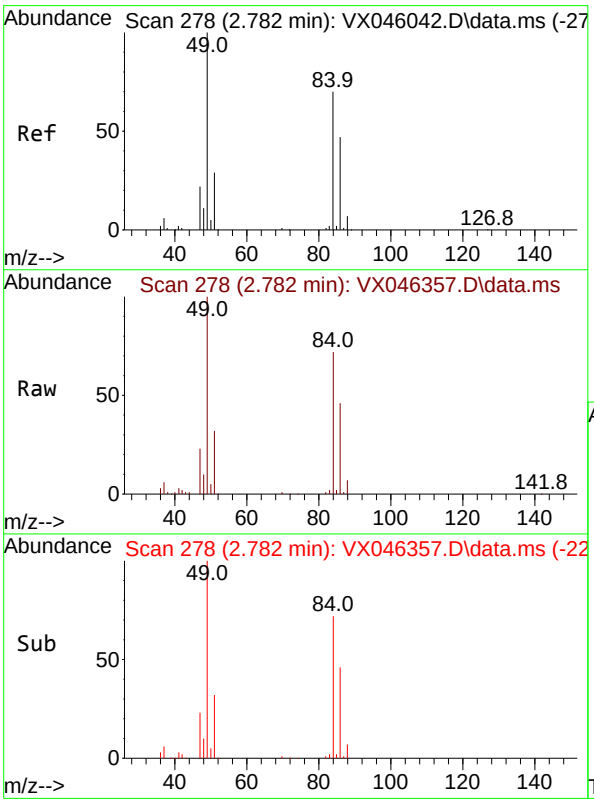
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.3 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

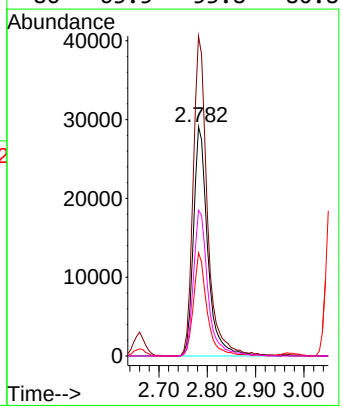
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

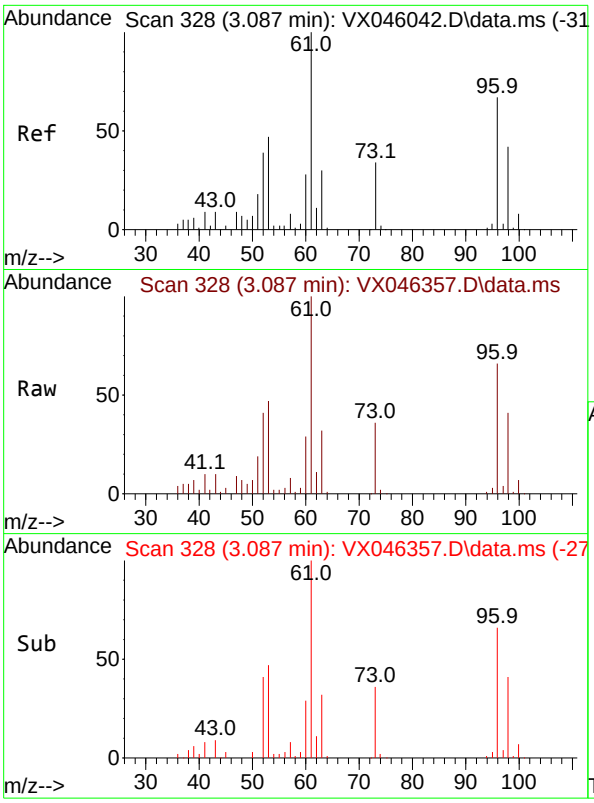



#20
Methylene Chloride
Concen: 54.030 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 84 Resp: 59518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 139.5 | 113.9 | 170.9 |
| 51 | 45.0 | 33.5 | 50.3 |
| 86 | 63.5 | 53.8 | 80.8 |

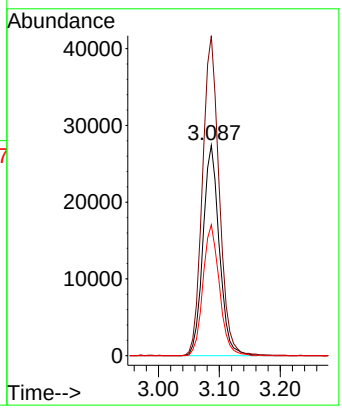





#21
trans-1,2-Dichloroethene
Concen: 55.755 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 96 Resp: 5112

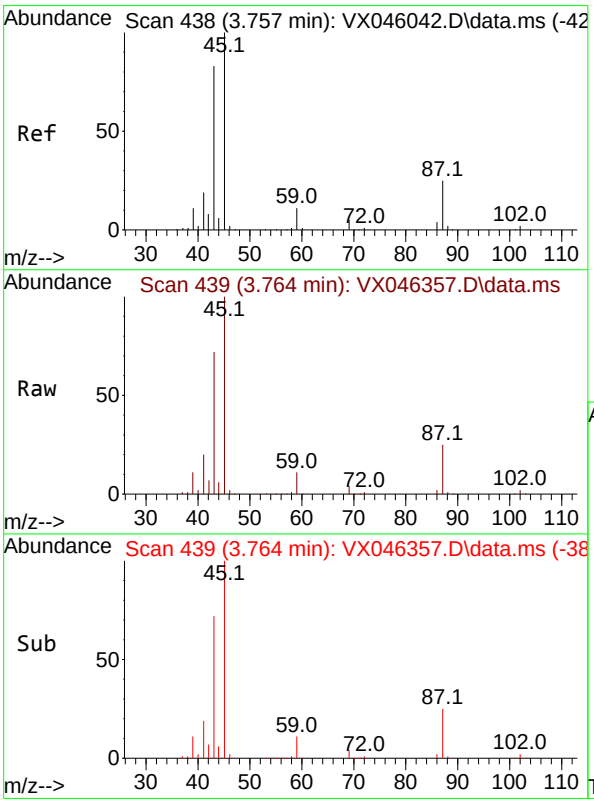
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.0 | 119.5 | 179.3 |
| 98 | 62.2 | 50.0 | 75.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

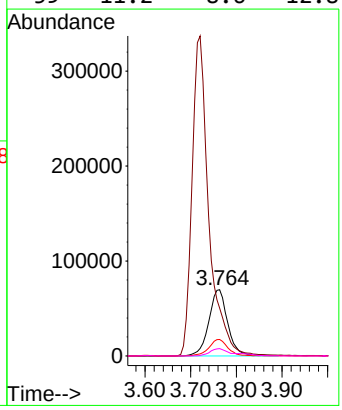
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

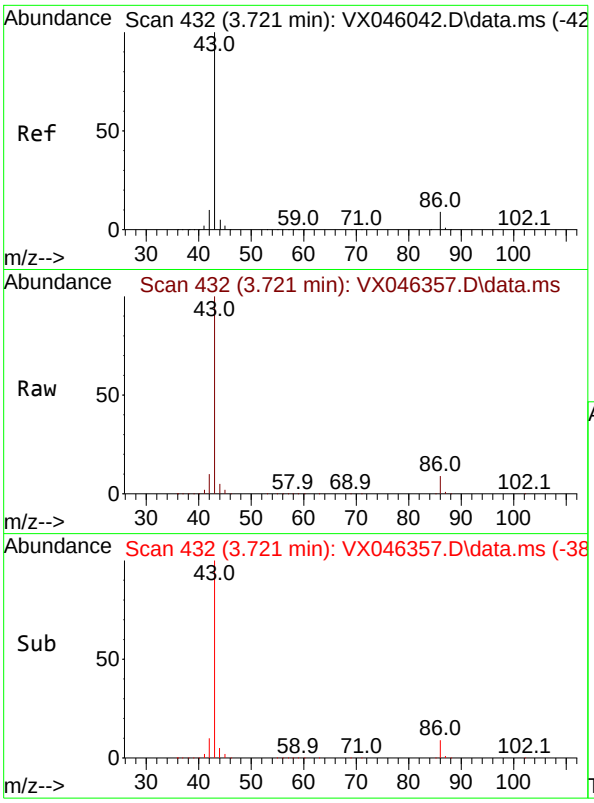



#22
Diisopropyl ether
Concen: 59.639 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 45 Resp: 200763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 71.6 | 66.6 | 100.0 |
| 87 | 24.8 | 19.8 | 29.6 |
| 59 | 11.2 | 8.6 | 12.8 |

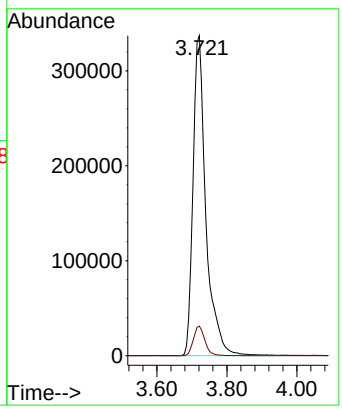





#23
Vinyl Acetate
Concen: 291.539 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 43 Resp: 86318

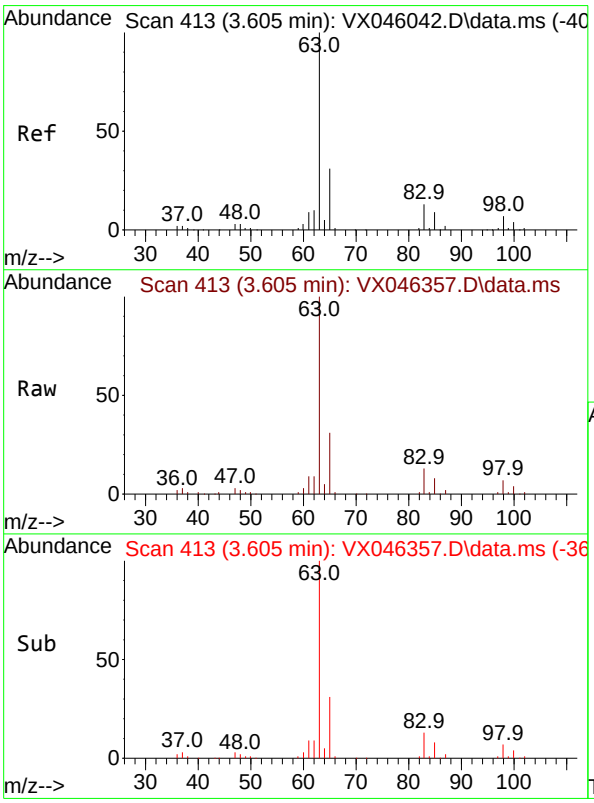
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.2 | 7.5 | 11.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

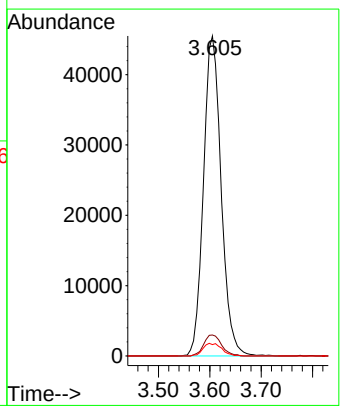
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

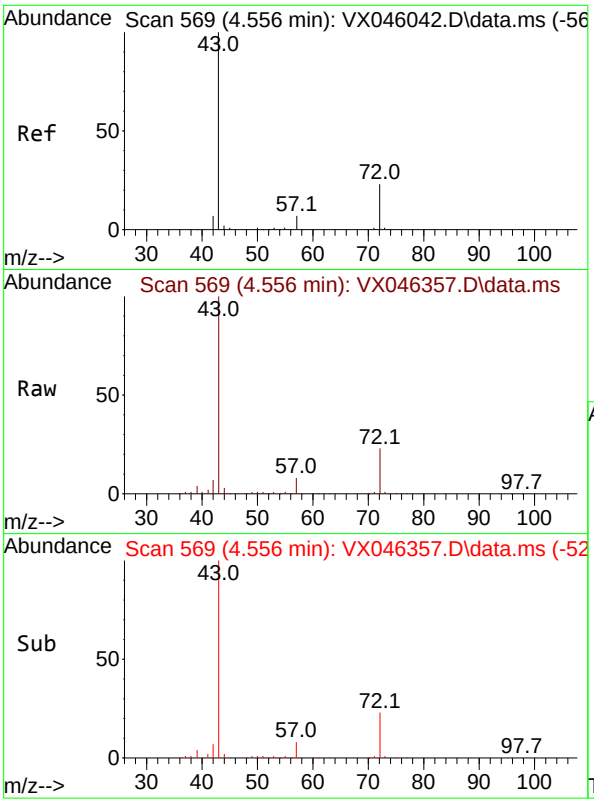



#24
1,1-Dichloroethane
Concen: 57.974 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 63 Resp: 108698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.5 | 3.6 | 10.8 |
| 100 | 3.6 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 296.078 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

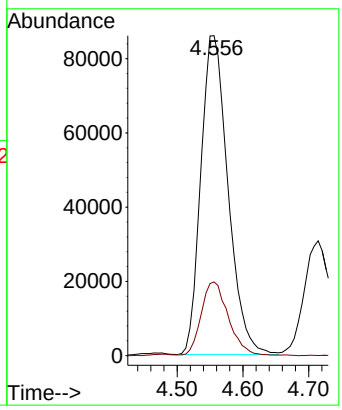
Tgt Ion: 43 Resp: 24709

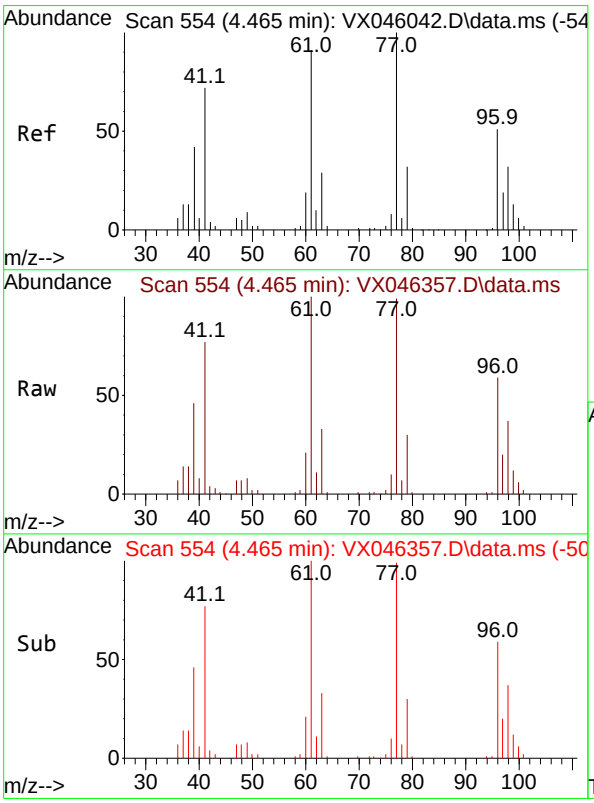
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.0 | 18.4 | 27.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

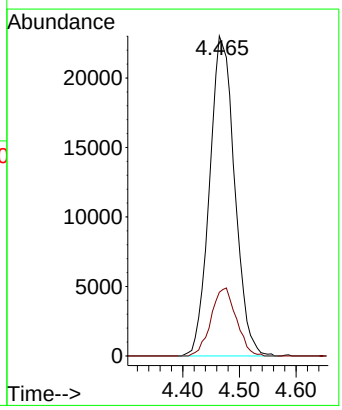


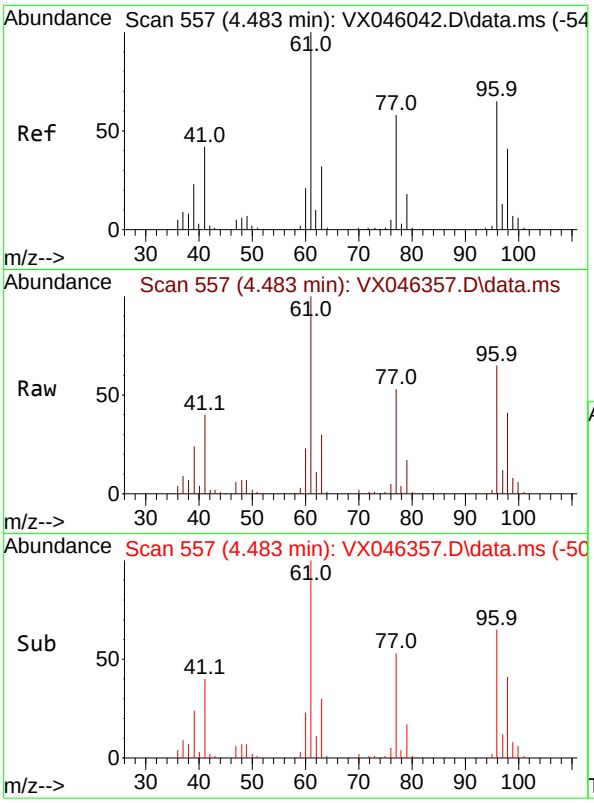




#26
2,2-Dichloropropane
Concen: 48.116 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 77 Resp: 70613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.4 | 10.5 | 31.5 |

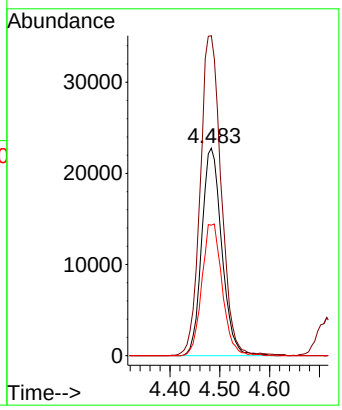





#27
cis-1,2-Dichloroethene
Concen: 57.522 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 96 Resp: 6350

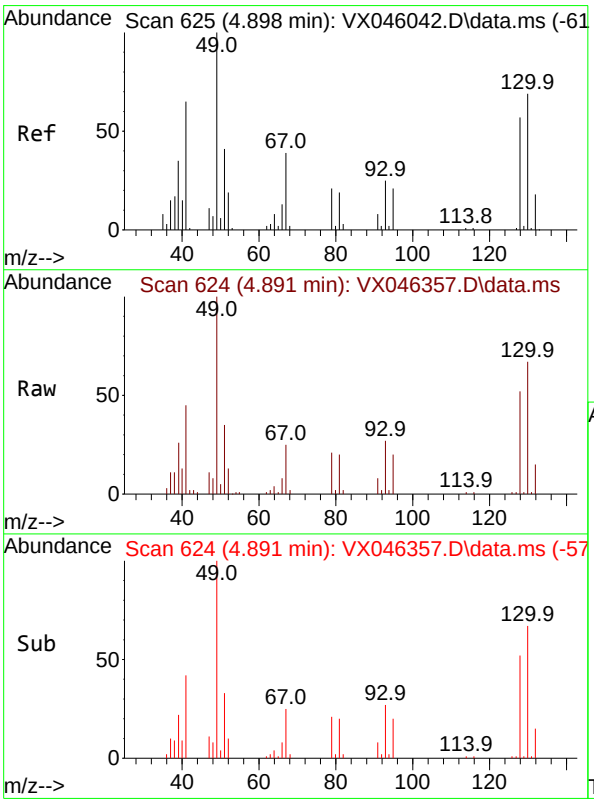
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.6 | 0.0 | 322.8 |
| 98 | 64.6 | 0.0 | 129.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

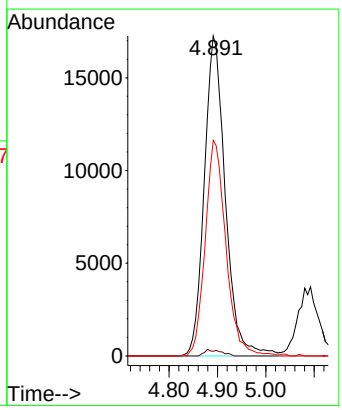
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

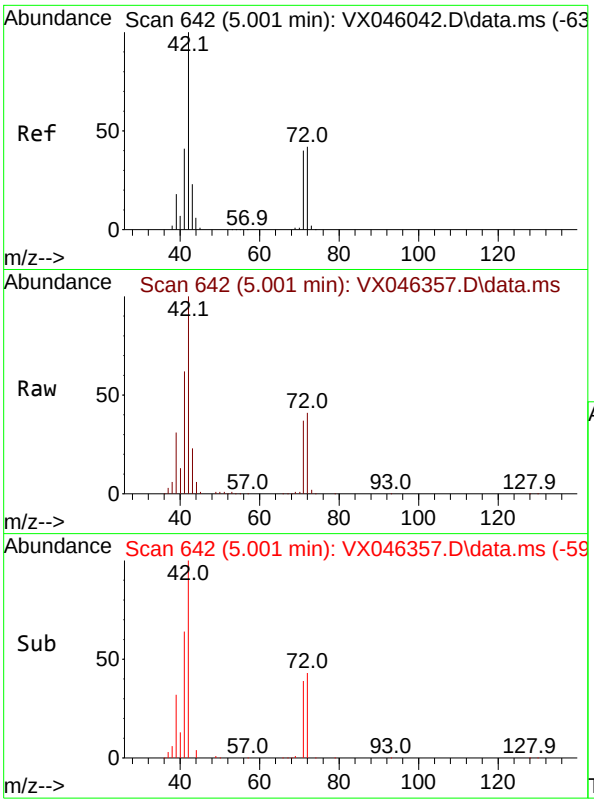



#28
Bromochloromethane
Concen: 57.760 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 49 Resp: 52129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.6 | 0.0 | 4.0 |
| 130 | 66.3 | 56.2 | 84.2 |






#29
Tetrahydrofuran
Concen: 295.465 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

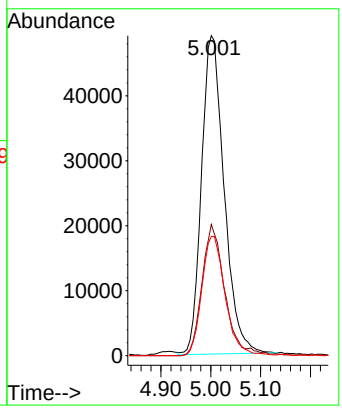
Tgt Ion: 42 Resp: 15451

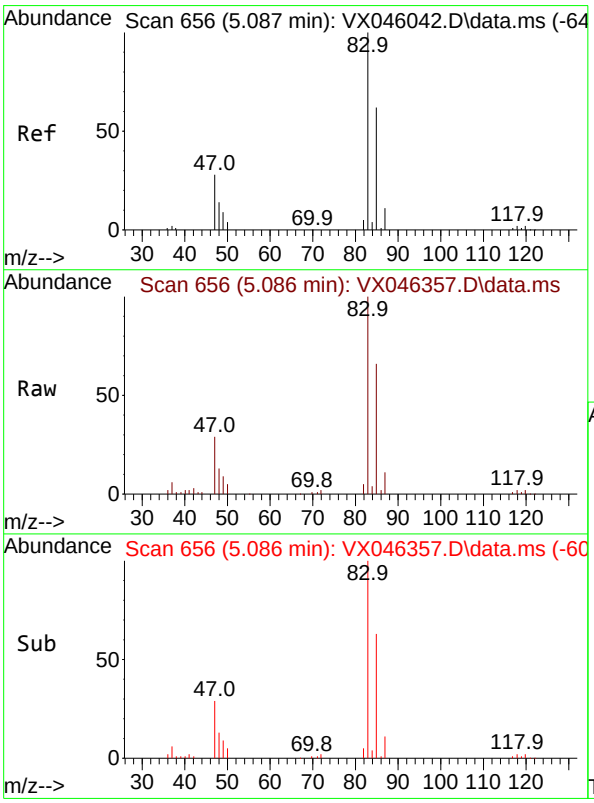
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.5 | 33.7 | 50.5 |
| 71 | 38.7 | 31.4 | 47.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

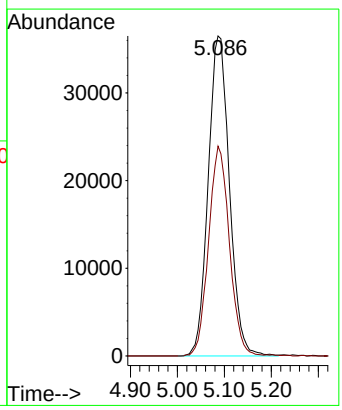


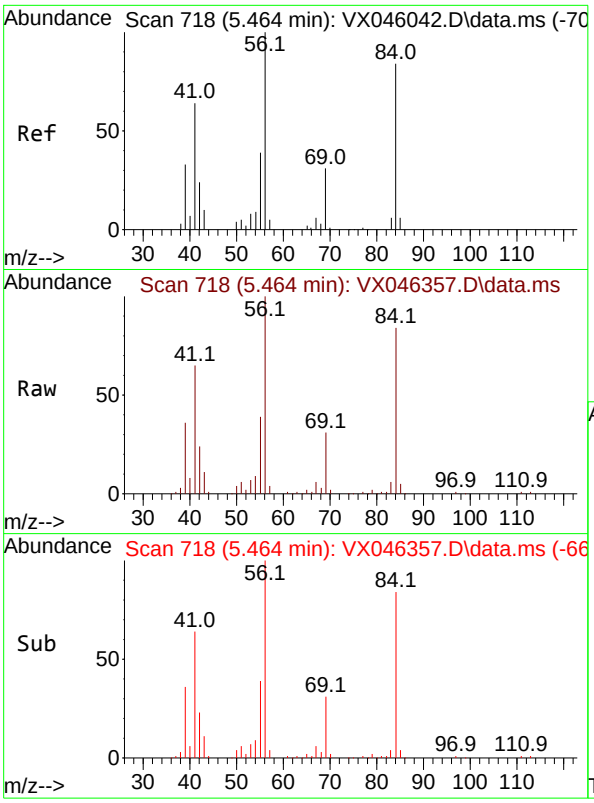




#30
Chloroform
Concen: 58.573 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 83 Resp: 114469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.5 | 49.3 | 73.9 |






#31
Cyclohexane
Concen: 55.632 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

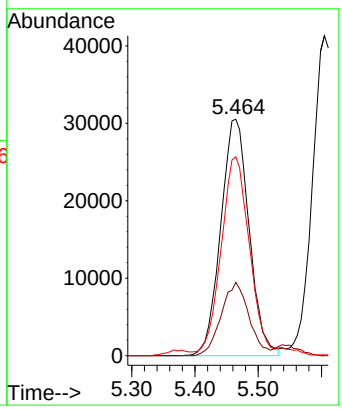
Tgt Ion: 56 Resp: 9505

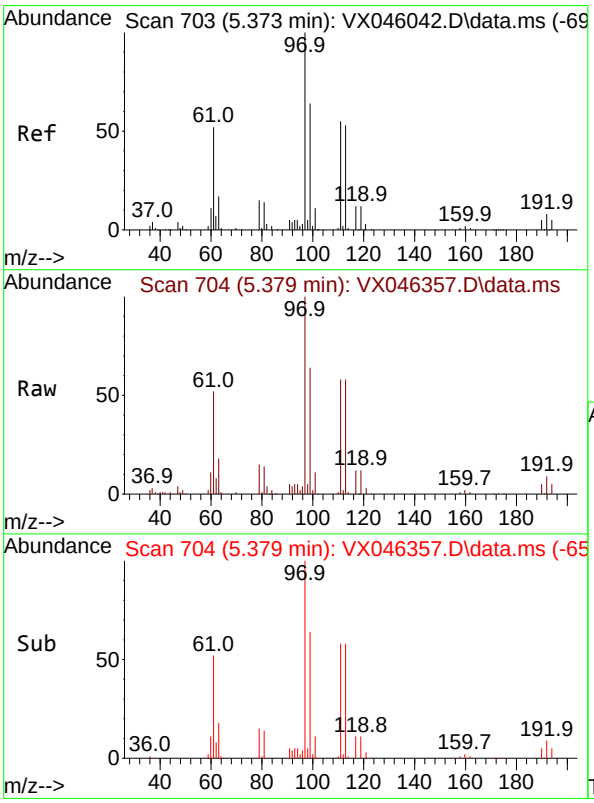
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.0 | 24.4 | 36.6 |
| 84 | 82.1 | 66.9 | 100.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

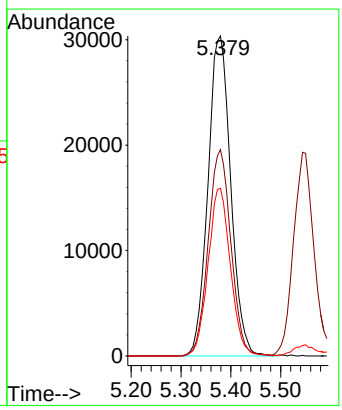


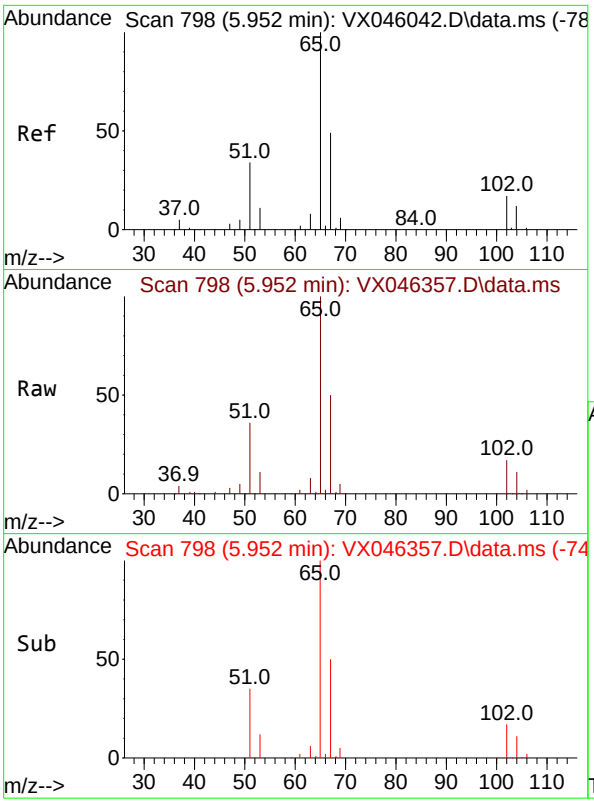




#32
1,1,1-Trichloroethane
Concen: 56.869 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 97 Resp: 96340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 51.8 | 77.6 |
| 61 | 51.4 | 40.1 | 60.1 |






#33
1,2-Dichloroethane-d4
Concen: 53.222 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

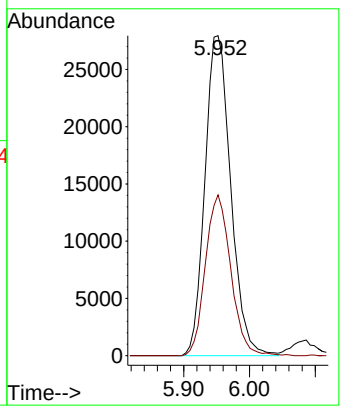
Tgt Ion: 65 Resp: 7630

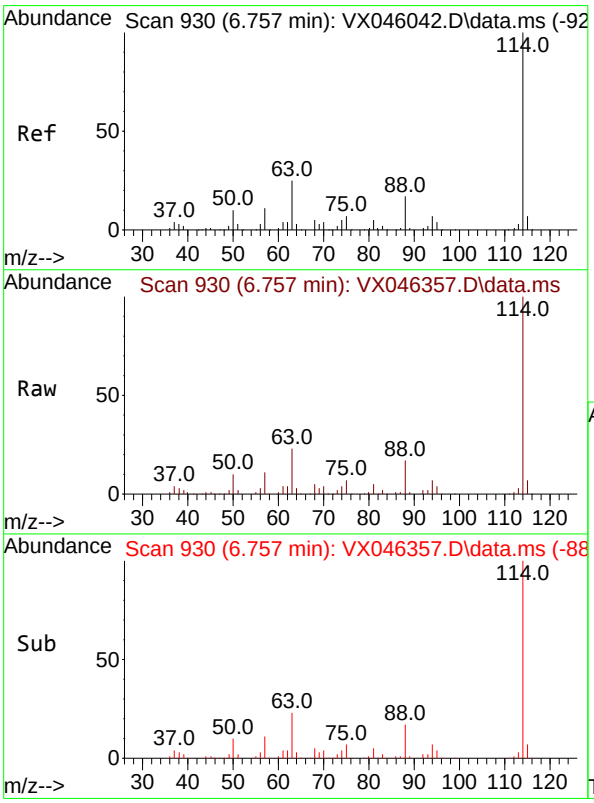
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.5 | 0.0 | 99.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

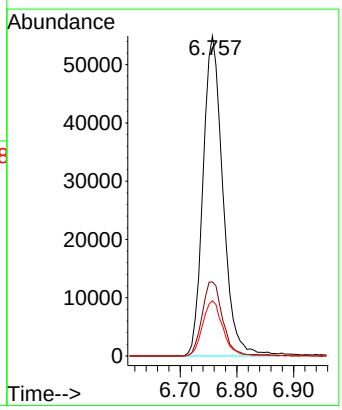


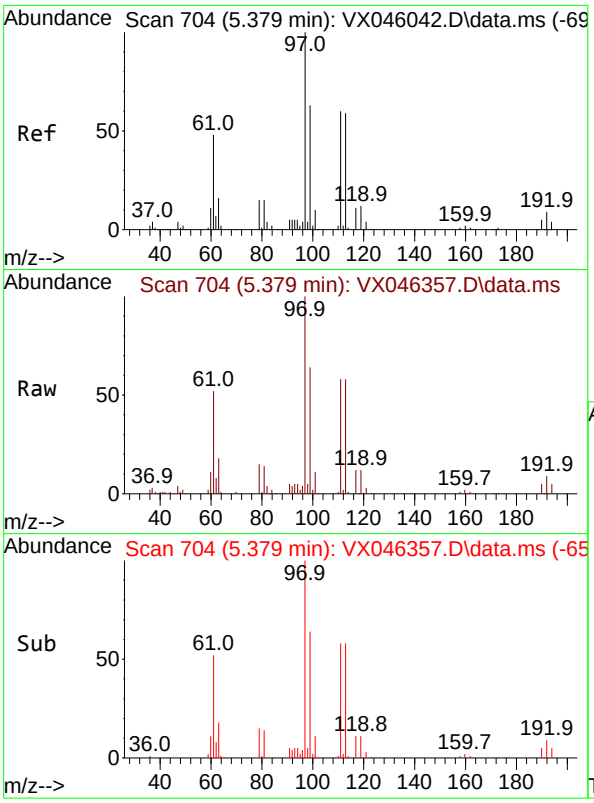




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:114 Resp: 133895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.2 | 0.0 | 49.2 |
| 88 | 17.3 | 0.0 | 33.6 |

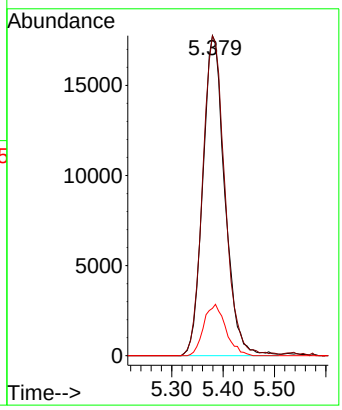





#35
Dibromofluoromethane
Concen: 54.480 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:113 Resp: 5252

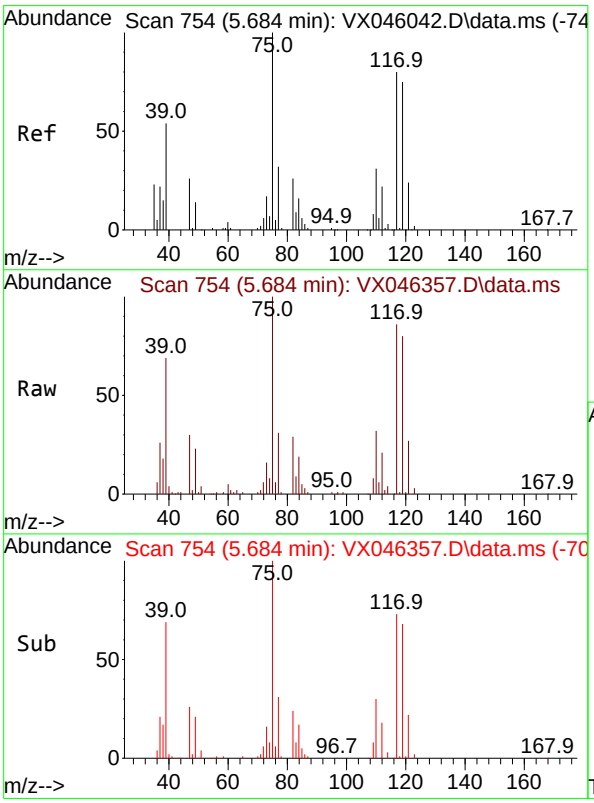
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.6 | 83.1 | 124.7 |
| 192 | 16.2 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

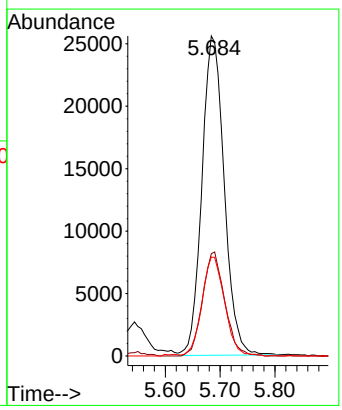
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

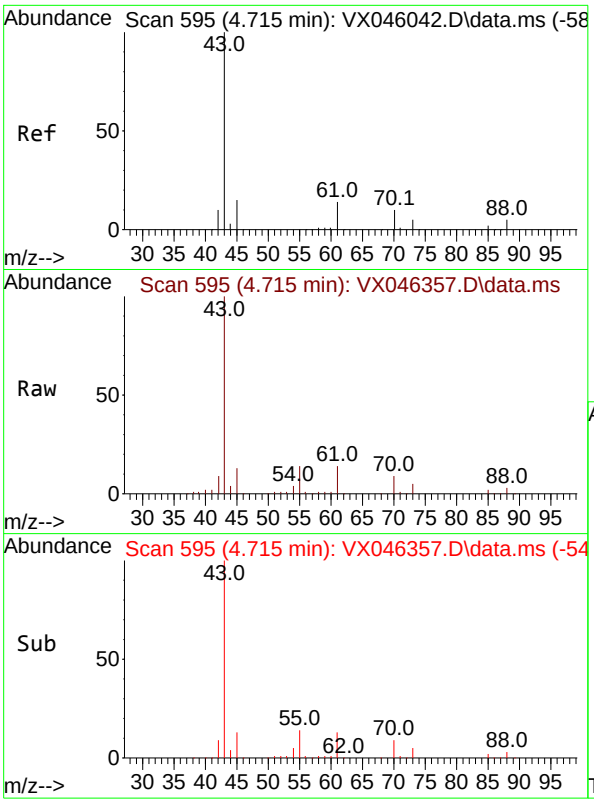



#36
1,1-Dichloropropene
Concen: 55.684 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 75 Resp: 72138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.4 | 16.3 | 48.9 |
| 77 | 31.4 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 57.707 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

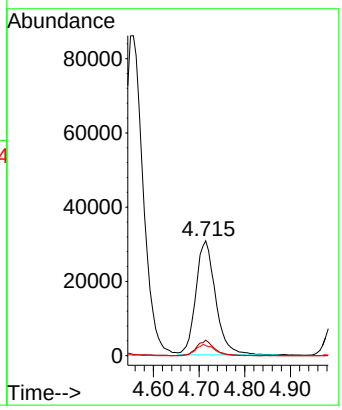
Tgt Ion: 43 Resp: 9236

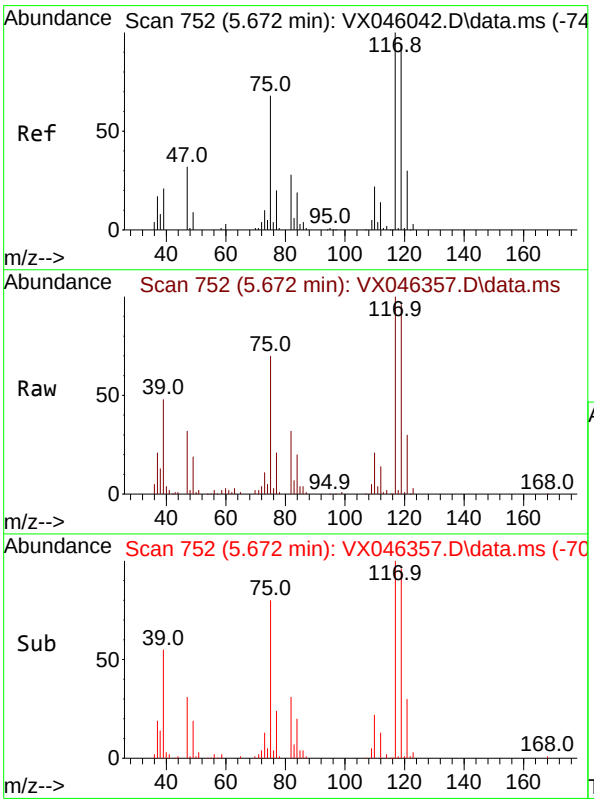
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.2 | 10.3 | 15.5 |
| 70 | 9.4 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

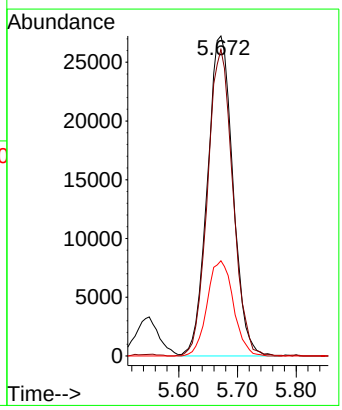


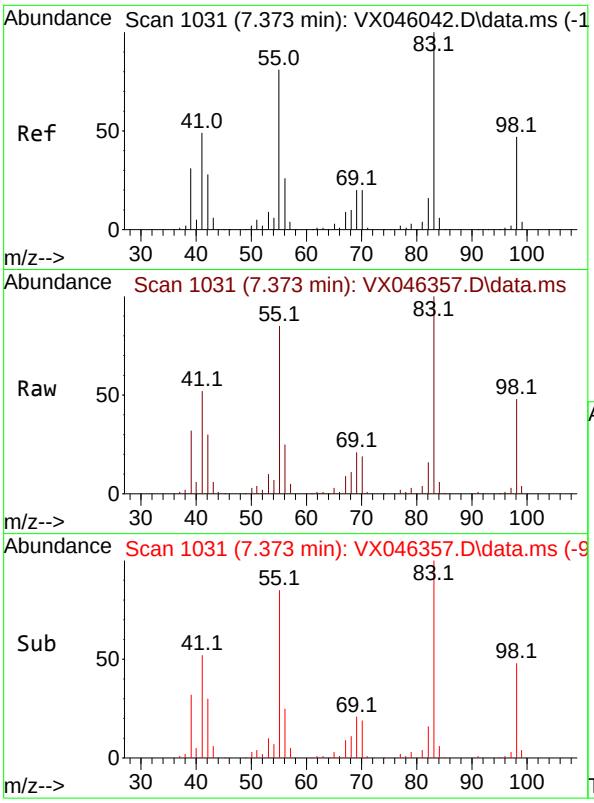




#38
Carbon Tetrachloride
Concen: 56.496 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:117 Resp: 82234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 75.2 | 112.8 |
| 121 | 29.7 | 24.2 | 36.4 |






#39
Methylcyclohexane
Concen: 54.143 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

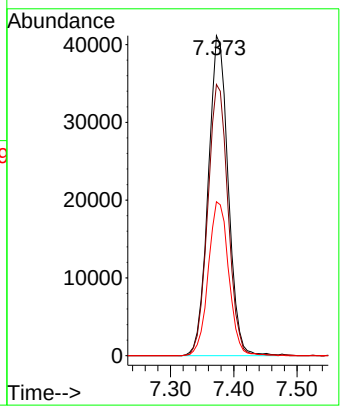
Tgt Ion: 83 Resp: 9030

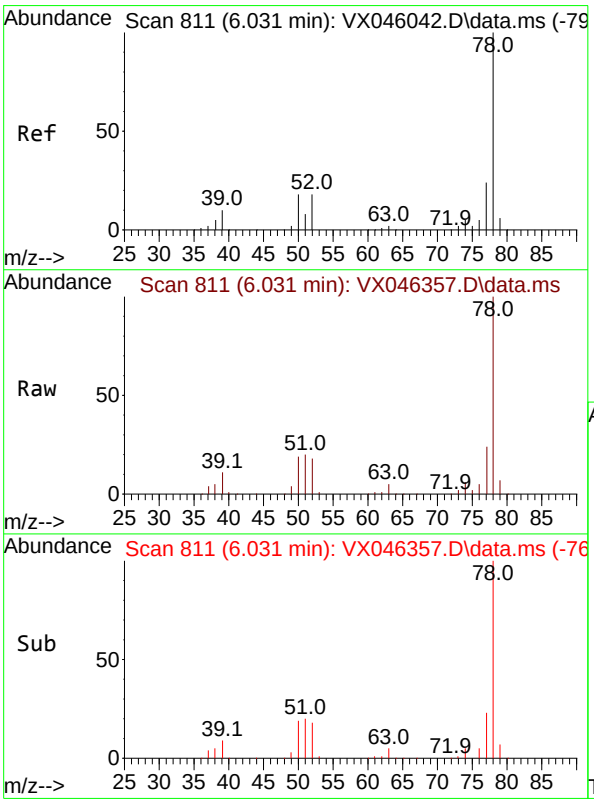
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 84.8 | 64.7 | 97.1 |
| 98 | 48.1 | 37.4 | 56.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

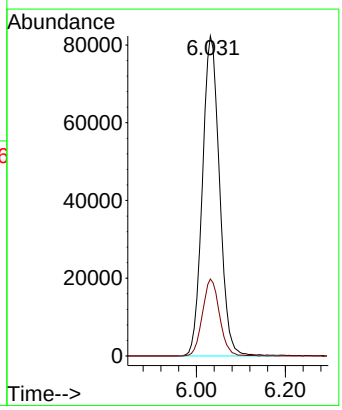


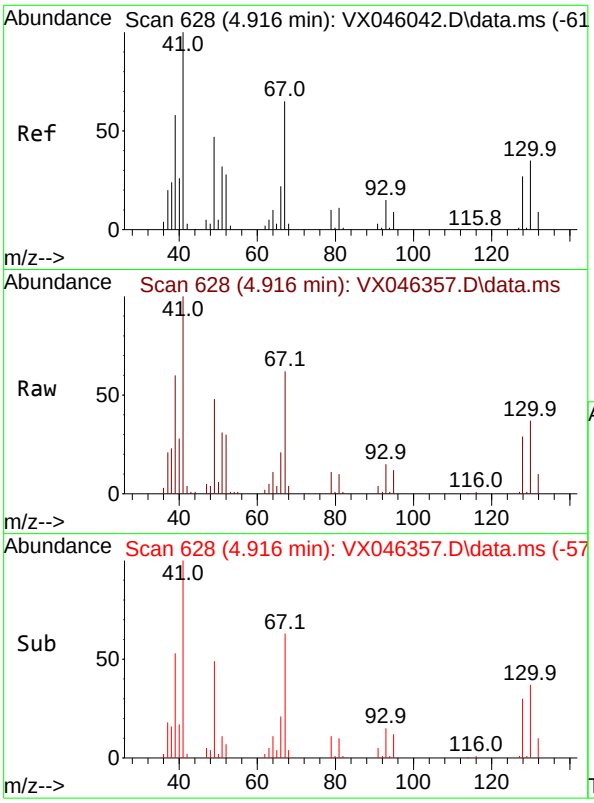




#40
Benzene
Concen: 58.216 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 78 Resp: 220905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.0 | 28.4 |

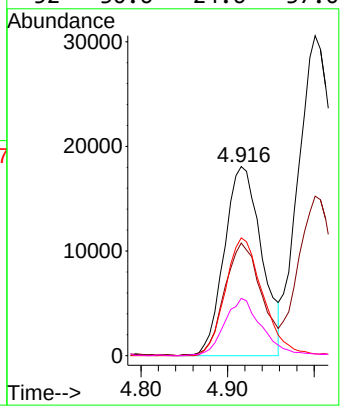





#41
Methacrylonitrile
Concen: 64.894 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 41 Resp: 5433

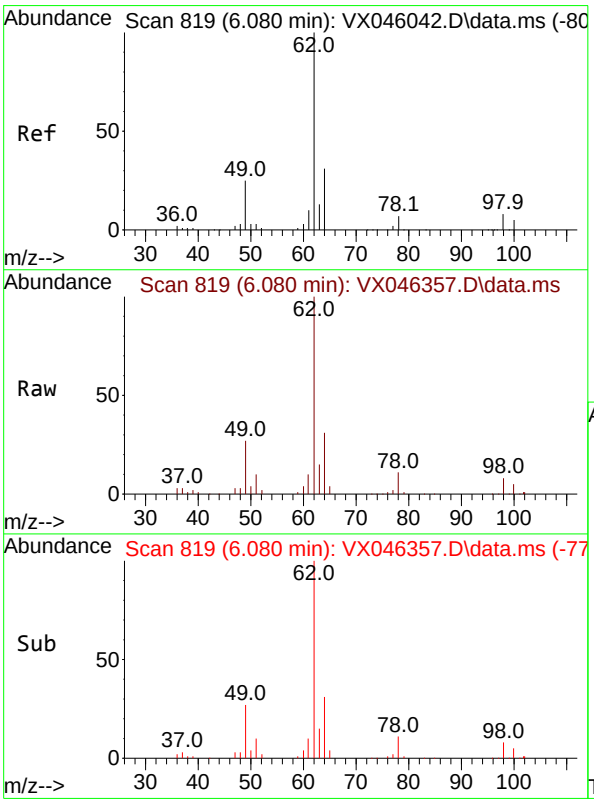
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.8 | 47.2 | 70.8 |
| 67 | 62.8 | 50.7 | 76.1 |
| 52 | 30.6 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

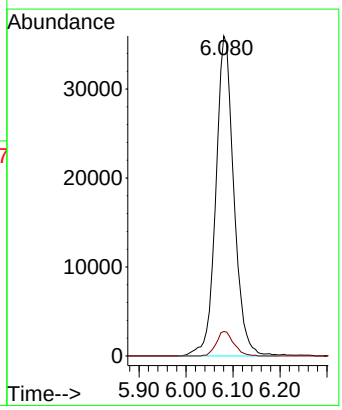
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

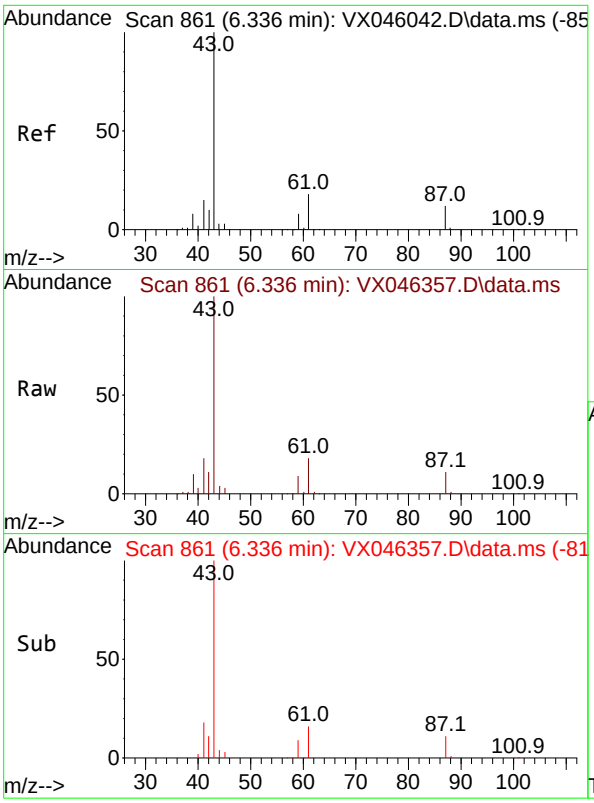



#42
1,2-Dichloroethane
Concen: 58.585 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 62 Resp: 95945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.4 | 0.0 | 15.2 |






#43
Isopropyl Acetate
Concen: 59.095 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

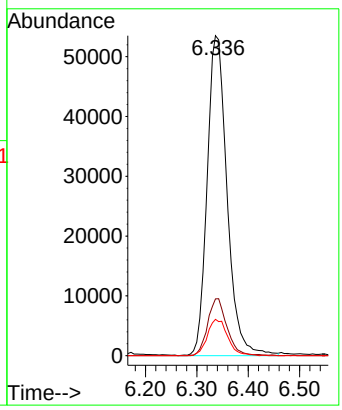
Tgt Ion: 43 Resp: 14429

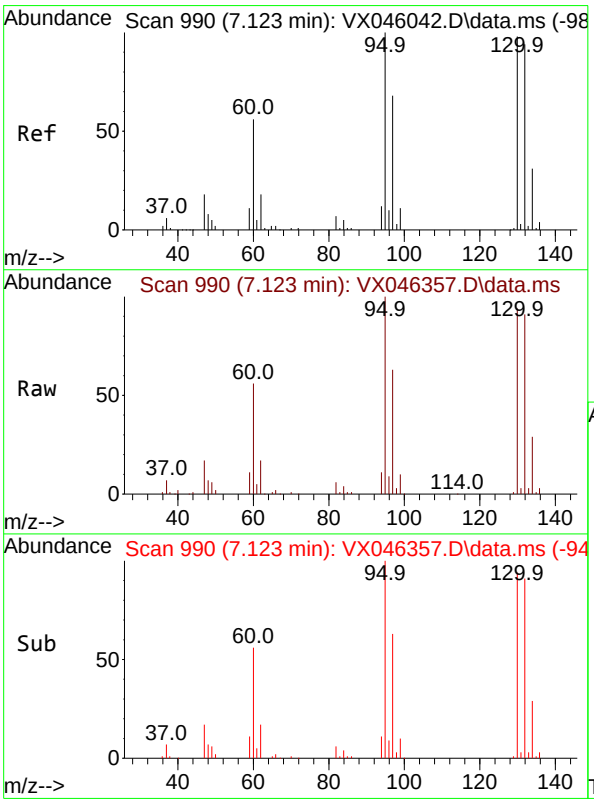
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.4 | 14.3 | 21.5 |
| 87 | 11.5 | 9.5 | 14.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

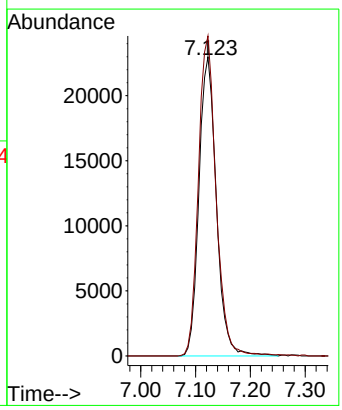


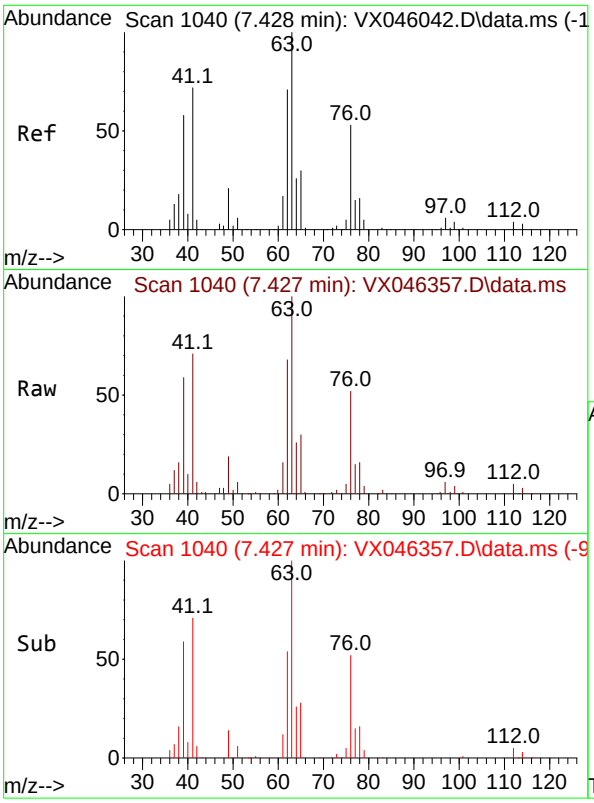




#44
Trichloroethene
Concen: 55.577 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:130 Resp: 50758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 106.9 | 0.0 | 204.2 |






#45
1,2-Dichloropropane
Concen: 59.869 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

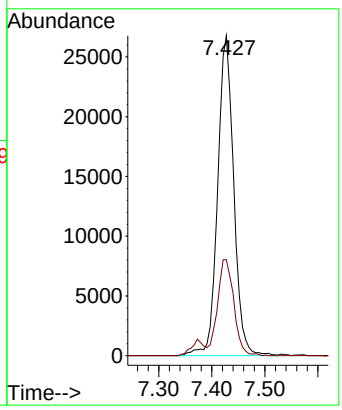
Tgt Ion: 63 Resp: 5648

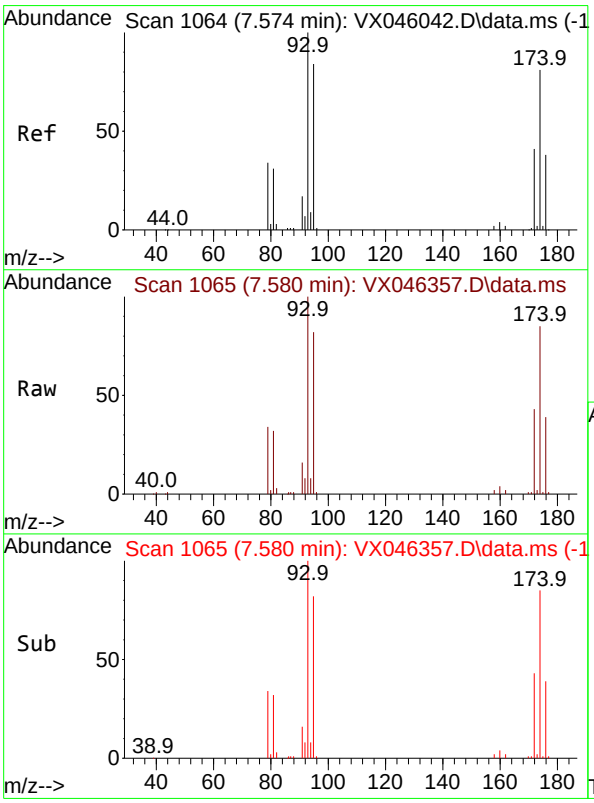
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.0 | 24.1 | 36.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

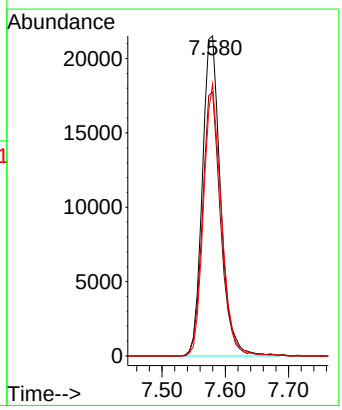


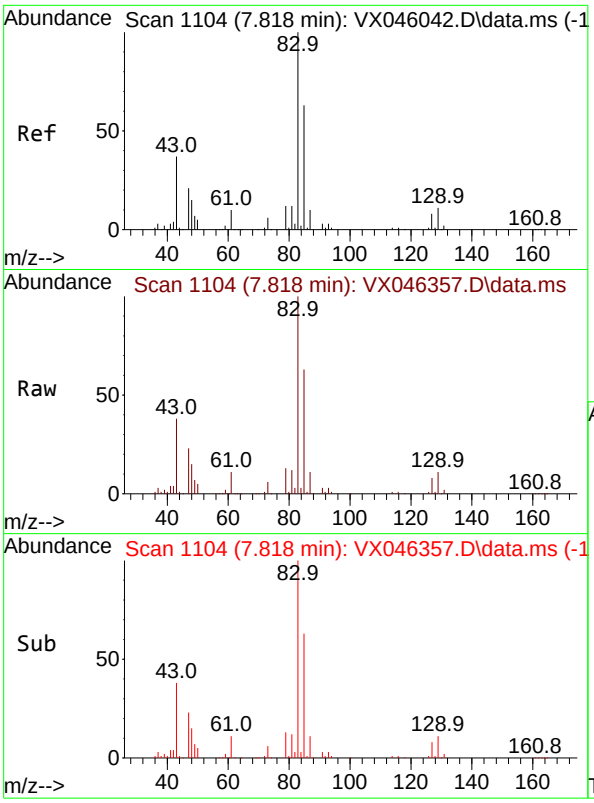




#46
Dibromomethane
Concen: 57.908 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 93 Resp: 43094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.5 | 65.6 | 98.4 |
| 174 | 83.1 | 68.2 | 102.2 |

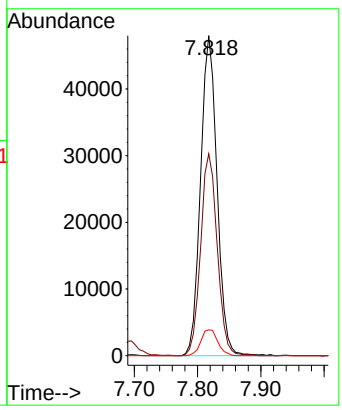





#47
Bromodichloromethane
Concen: 59.530 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 83 Resp: 8725

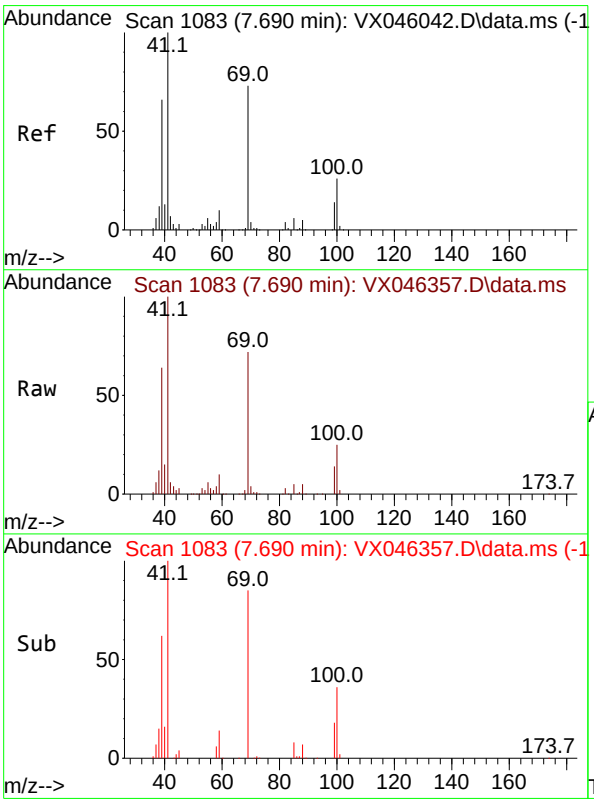
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 50.5 | 75.7 |
| 127 | 8.1 | 6.5 | 9.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

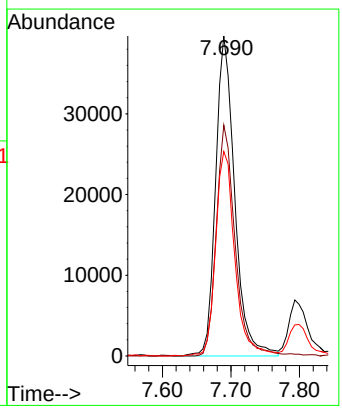
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

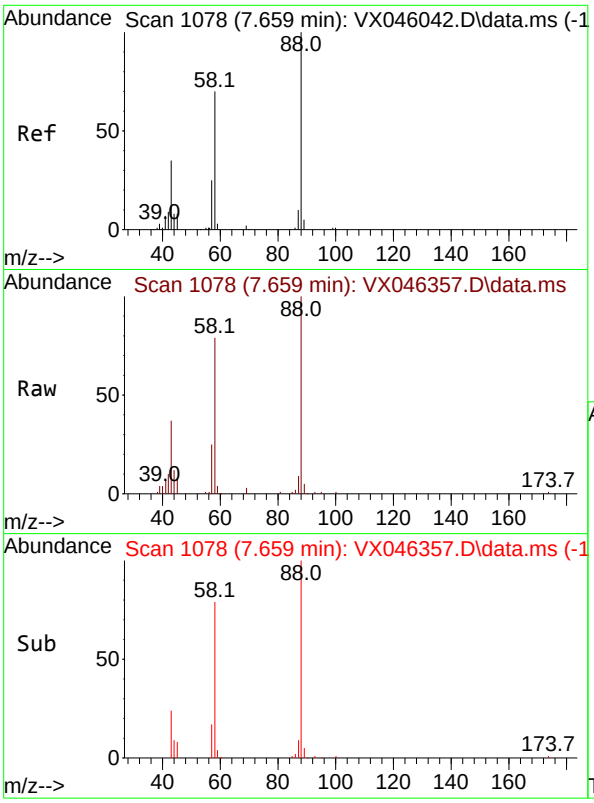



#48
Methyl methacrylate
Concen: 61.388 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 41 Resp: 76552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 71.3 | 58.5 | 87.7 |
| 39 | 64.4 | 51.7 | 77.5 |






#49
1,4-Dioxane
Concen: 1156.492 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

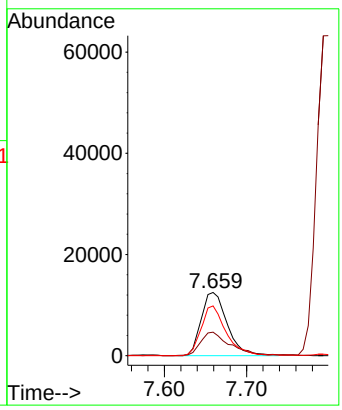
Tgt Ion: 88 Resp: 2738

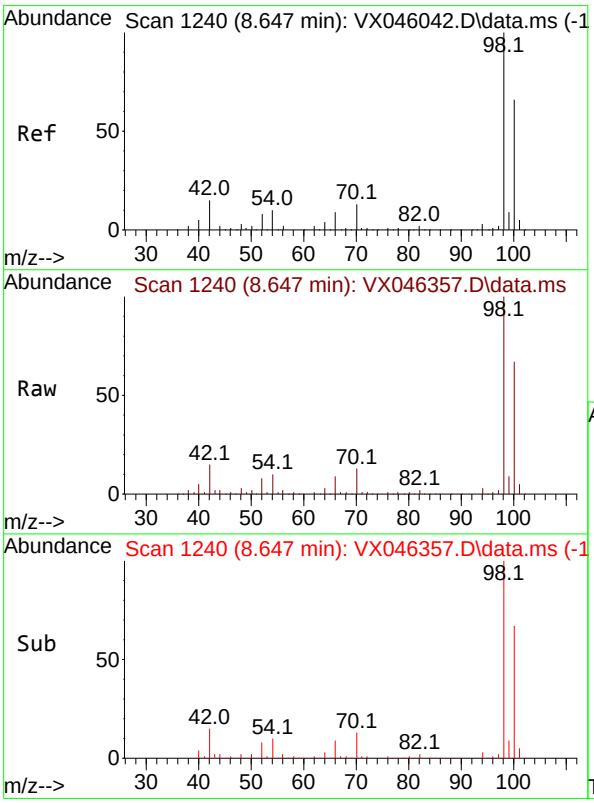
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 42.8 | 33.4 | 50.2 |
| 58 | 76.3 | 58.6 | 88.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

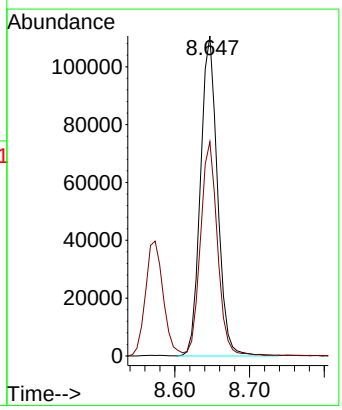


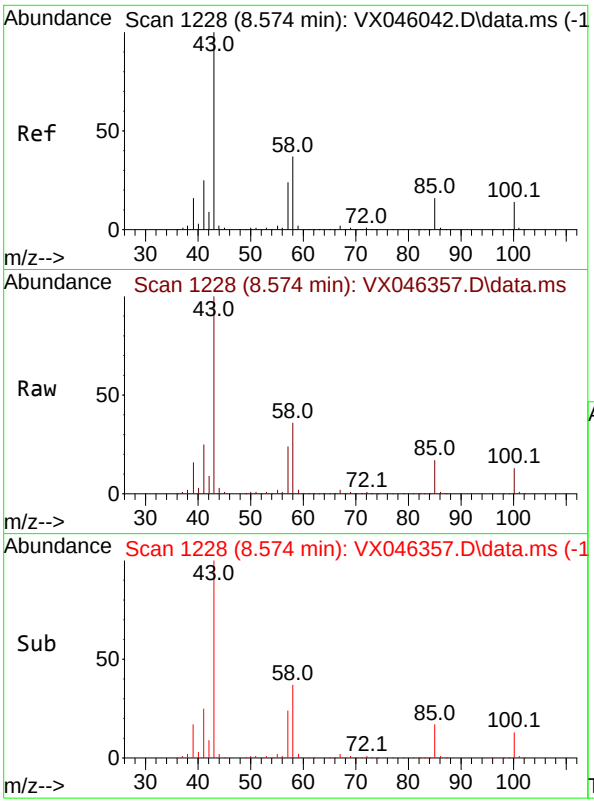




#50
Toluene-d8
Concen: 52.406 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 98 Resp: 174887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.5 | 53.5 | 80.3 |

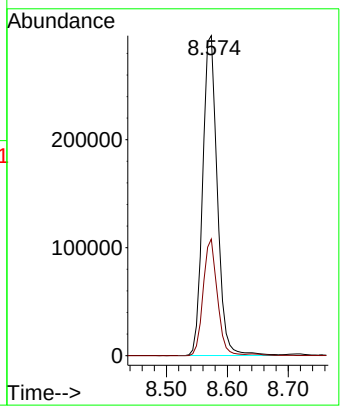





#51
4-Methyl-2-Pentanone
Concen: 305.280 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 43 Resp: 49480

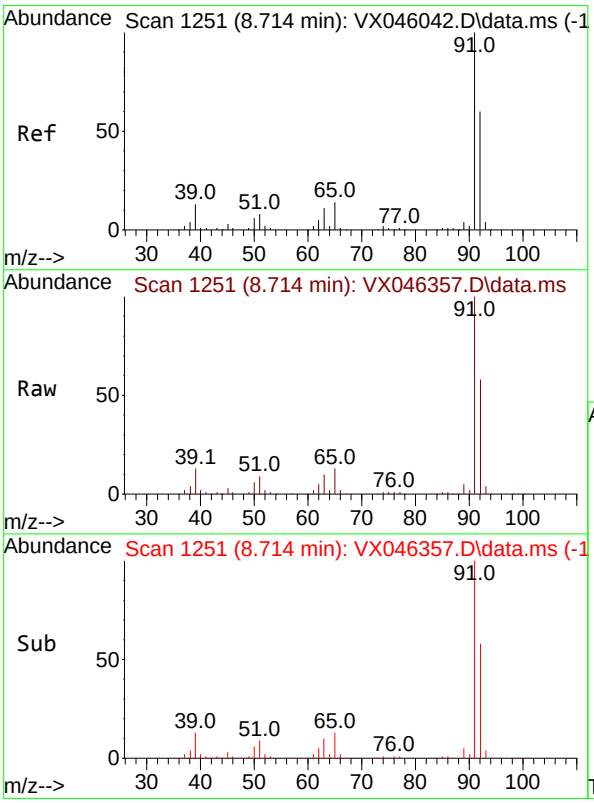
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.3 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

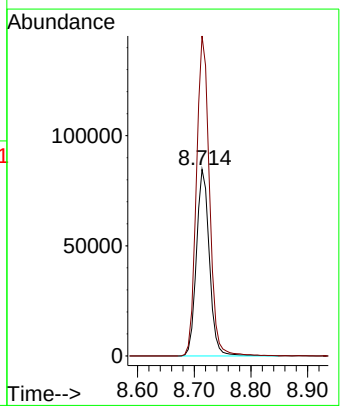
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

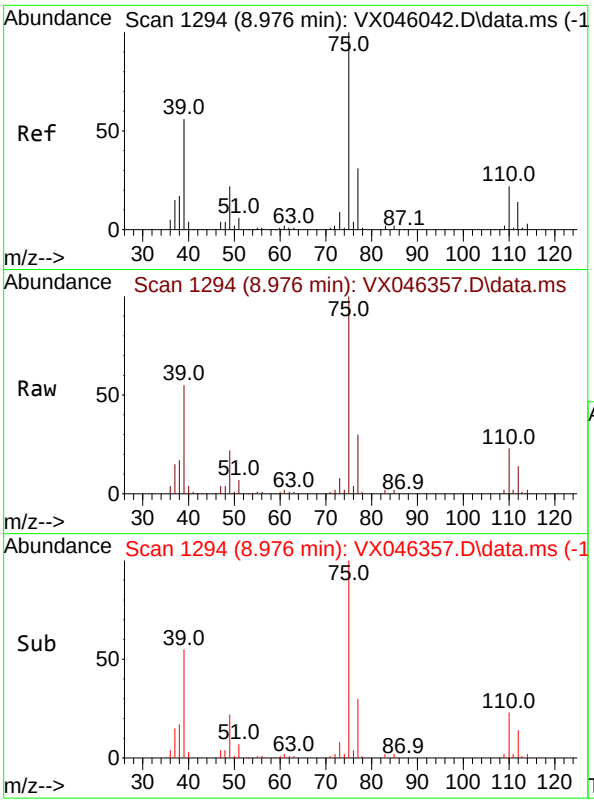



#52
Toluene
Concen: 57.742 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 92 Resp: 134352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.8 | 136.6 | 205.0 |

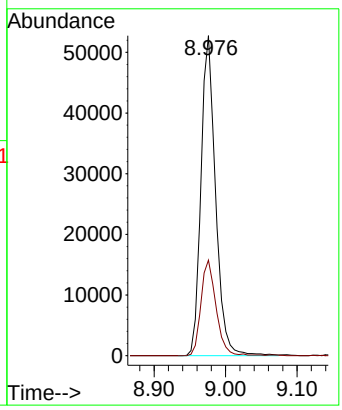





#53
t-1,3-Dichloropropene
Concen: 57.441 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 75 Resp: 7483

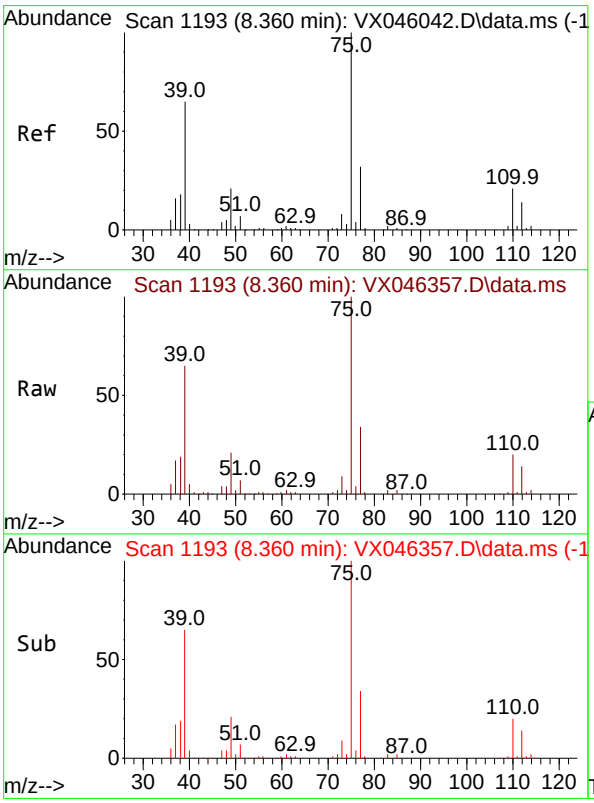
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.8 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

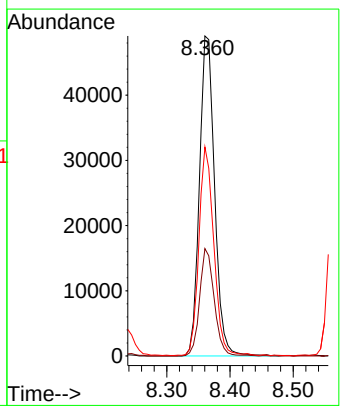
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

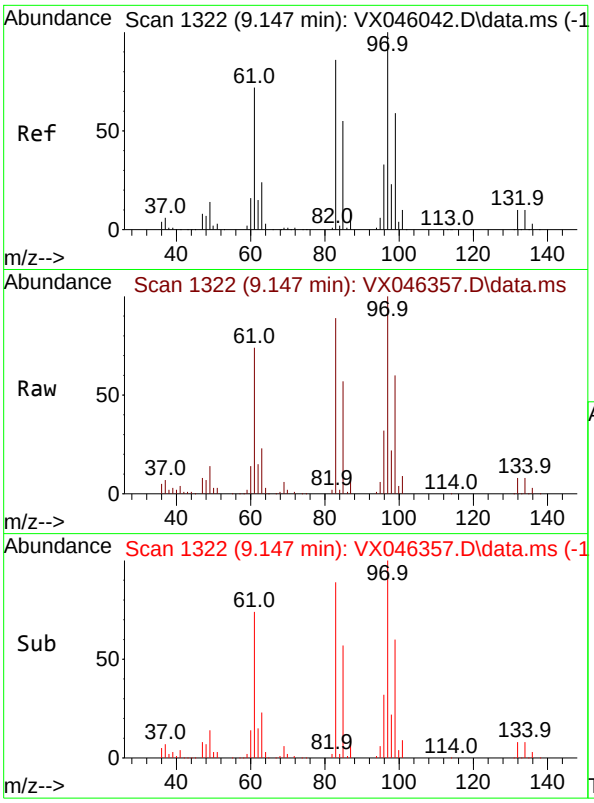



#54
cis-1,3-Dichloropropene
Concen: 57.117 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 75 Resp: 82245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.6 | 25.4 | 38.0 |
| 39 | 65.1 | 52.2 | 78.4 |

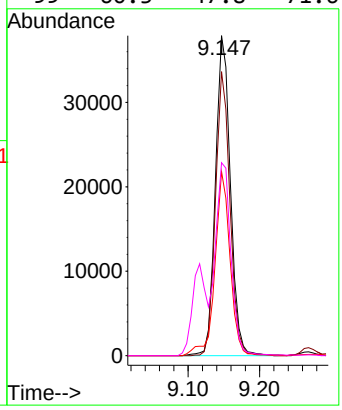





#55
1,1,2-Trichloroethane
Concen: 60.037 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 97 Resp: 5508

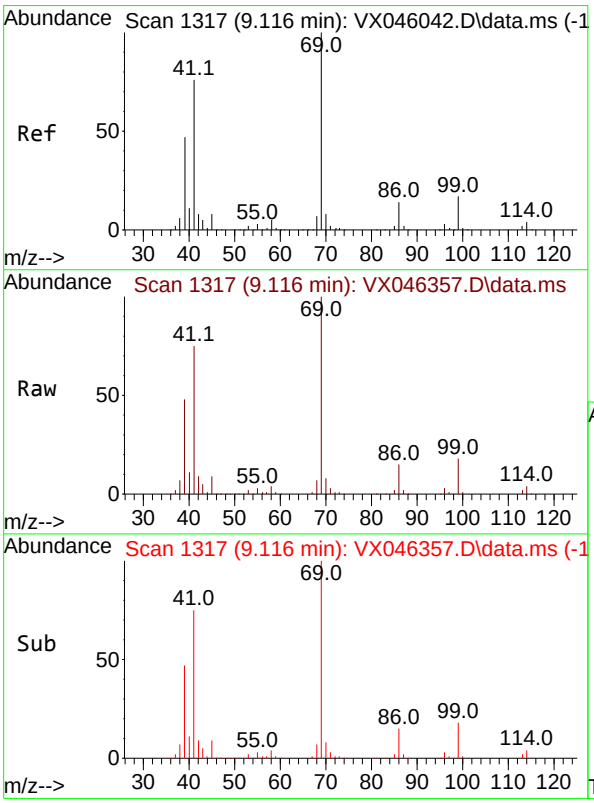
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.7 | 69.0 | 103.6 |
| 85 | 57.5 | 44.3 | 66.5 |
| 99 | 60.3 | 47.8 | 71.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

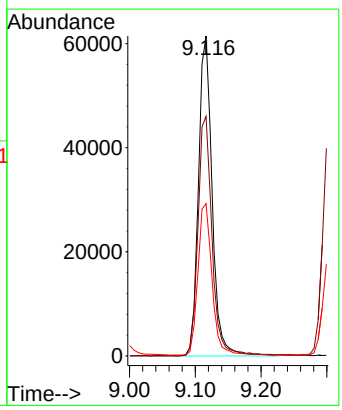
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

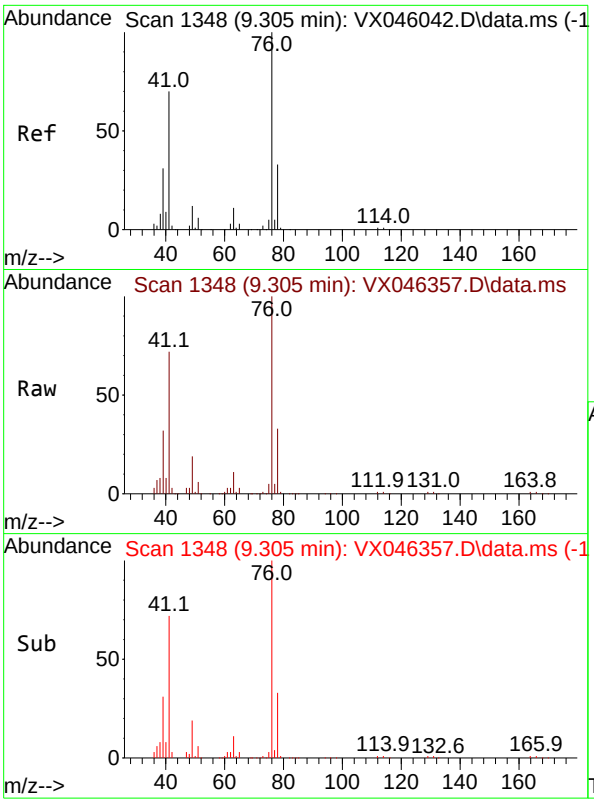



#56
Ethyl methacrylate
Concen: 61.050 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 69 Resp: 89269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 77.1 | 60.8 | 91.2 |
| 39 | 48.8 | 39.0 | 58.6 |






#57
1,3-Dichloropropane
Concen: 57.929 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

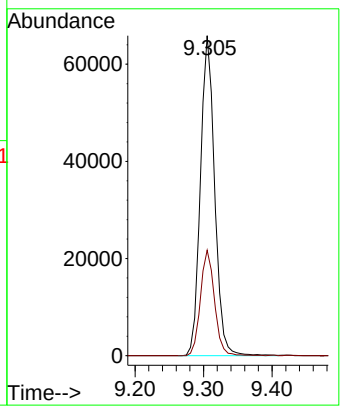
Tgt Ion: 76 Resp: 9544

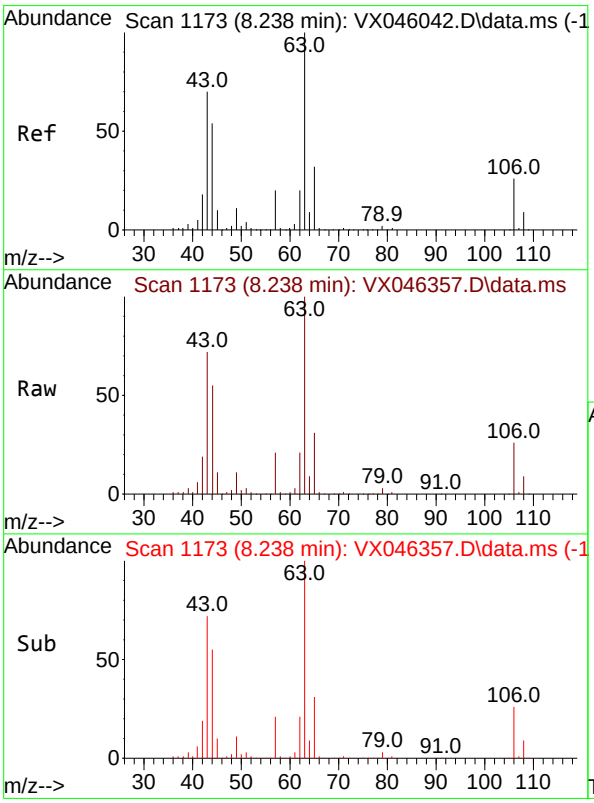
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.5 | 26.3 | 39.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

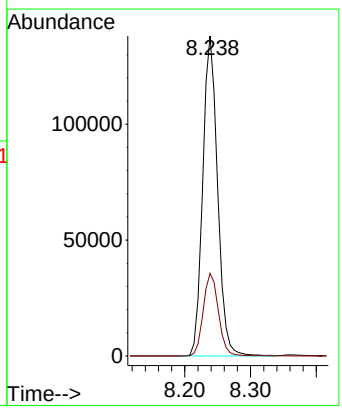


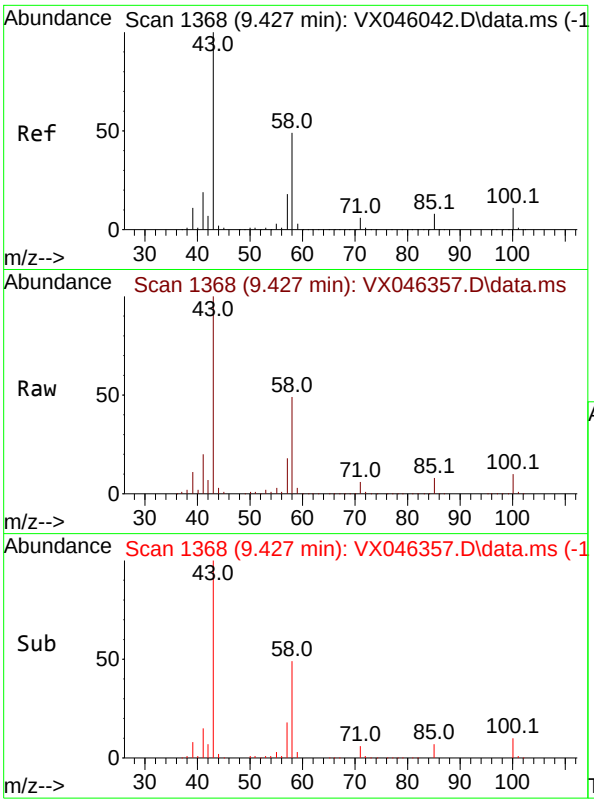




#58
2-Chloroethyl Vinyl ether
Concen: 290.480 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 63 Resp: 216543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.4 | 21.5 | 32.3 |






#59
2-Hexanone
Concen: 307.441 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

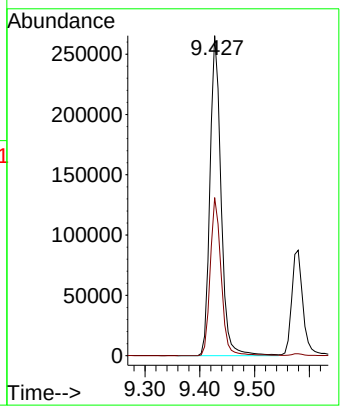
Tgt Ion: 43 Resp: 36866

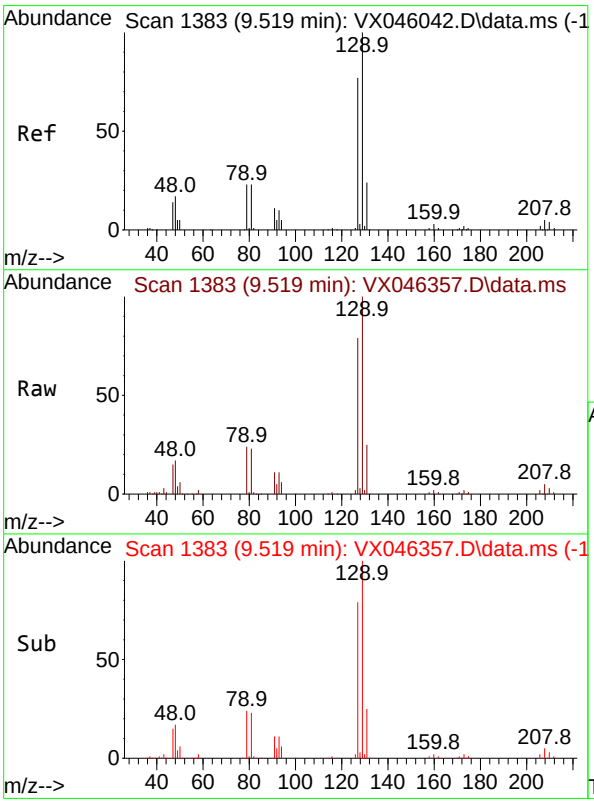
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.1 | 24.9 | 74.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

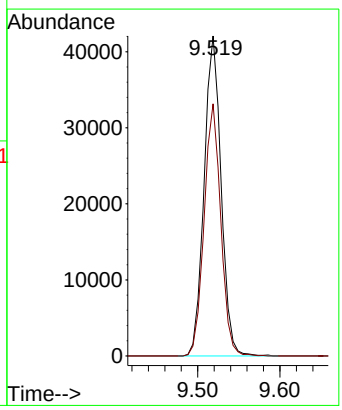


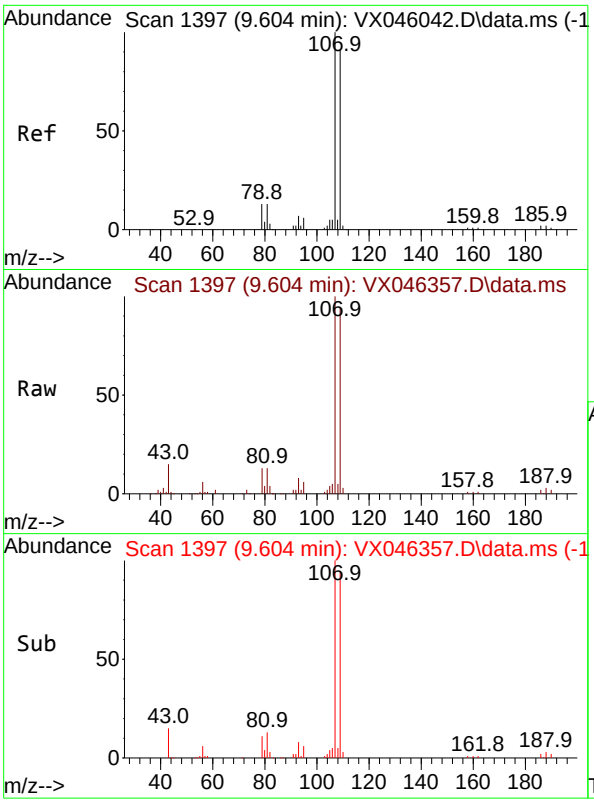




#60
Dibromochloromethane
Concen: 59.883 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:129 Resp: 60337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.3 | 39.3 | 117.8 |

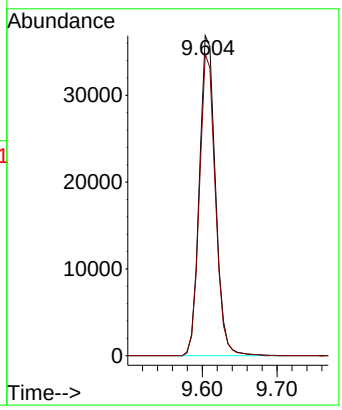





#61
1,2-Dibromoethane
Concen: 57.641 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:107 Resp: 5496

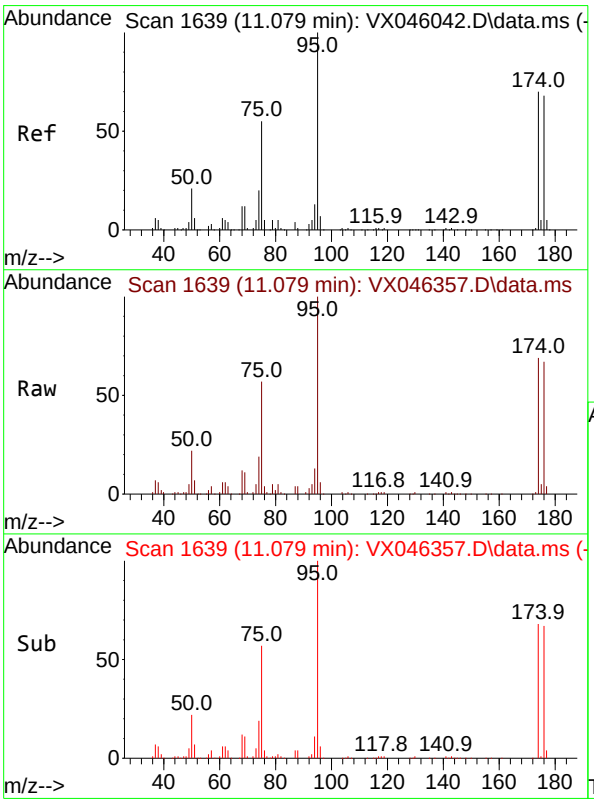
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 73.3 | 109.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

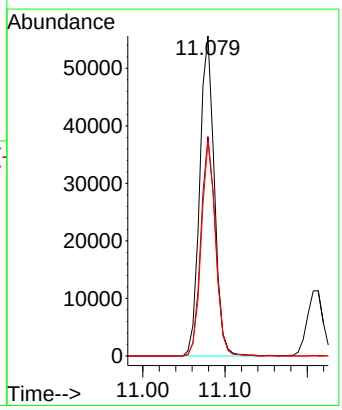
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

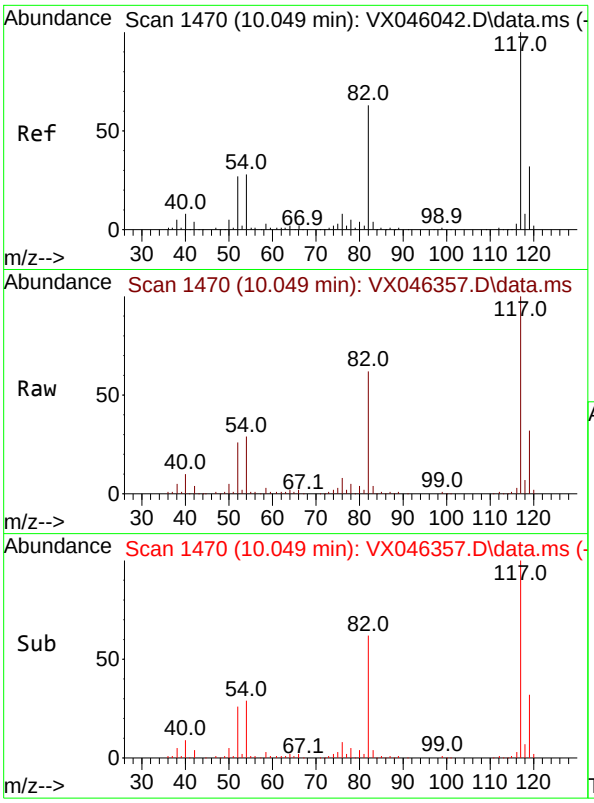



#62
4-Bromofluorobenzene
Concen: 53.512 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 95 Resp: 68500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 68.4 | 0.0 | 135.8 |
| 176 | 65.3 | 0.0 | 131.4 |

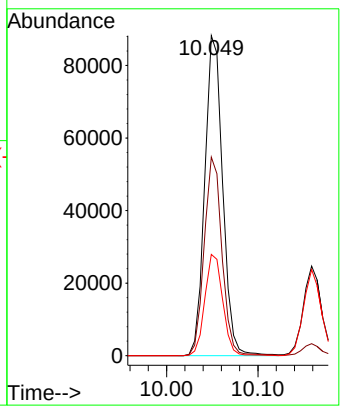





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:117 Resp: 11979

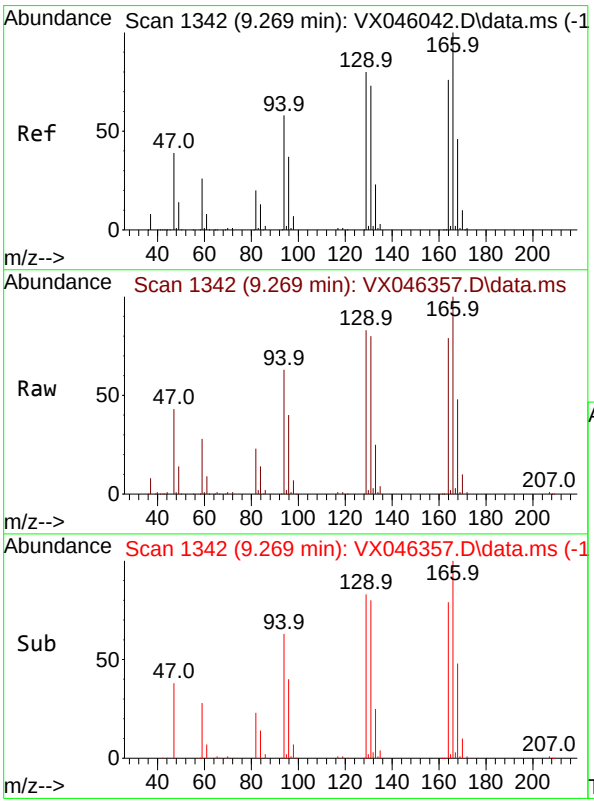
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 62.1 | 50.6 | 76.0 |
| 119 | 31.6 | 25.8 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

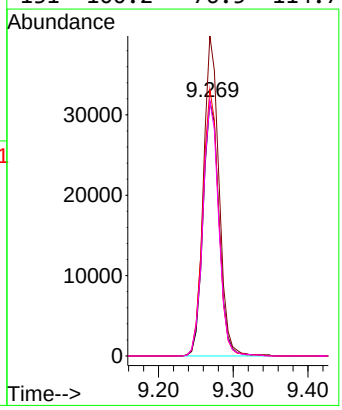
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

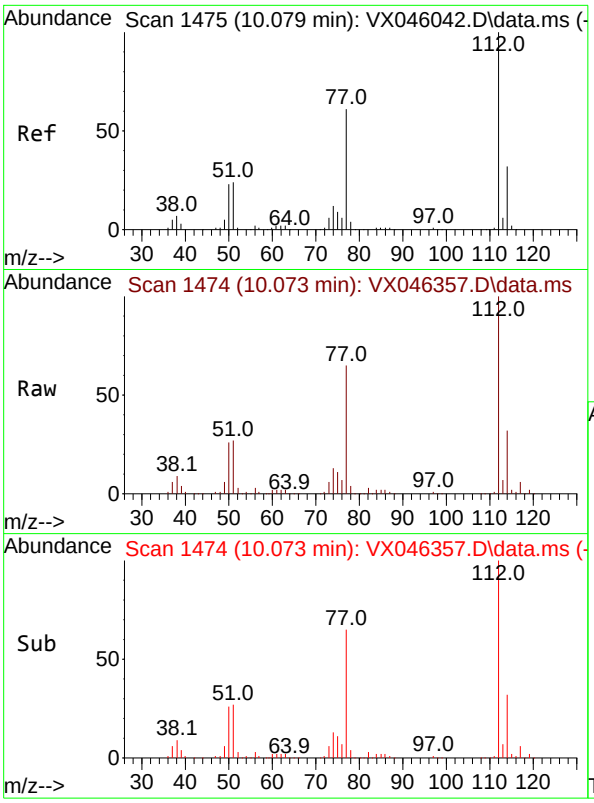



#64
Tetrachloroethene
Concen: 55.224 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:164 Resp: 46807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.8 | 105.0 | 157.6 |
| 129 | 104.8 | 83.5 | 125.3 |
| 131 | 100.2 | 76.5 | 114.7 |

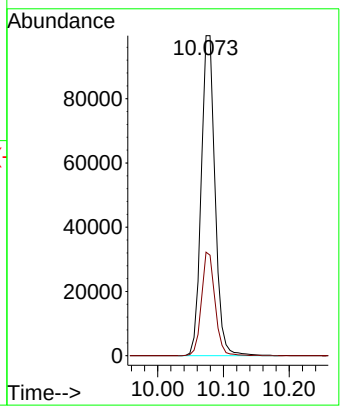





#65
Chlorobenzene
Concen: 55.532 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:112 Resp: 14560

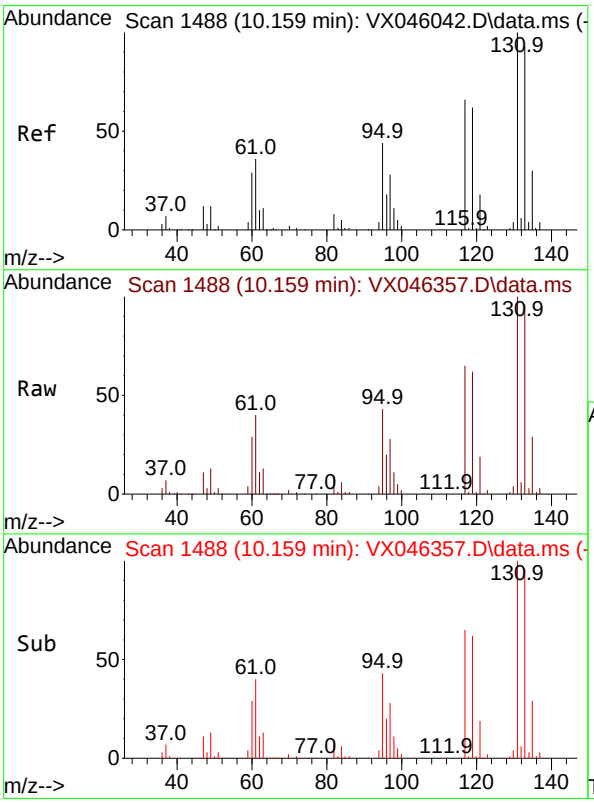
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.4 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

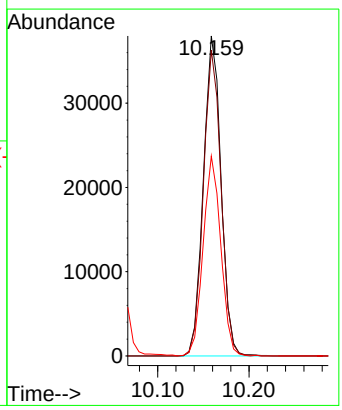
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

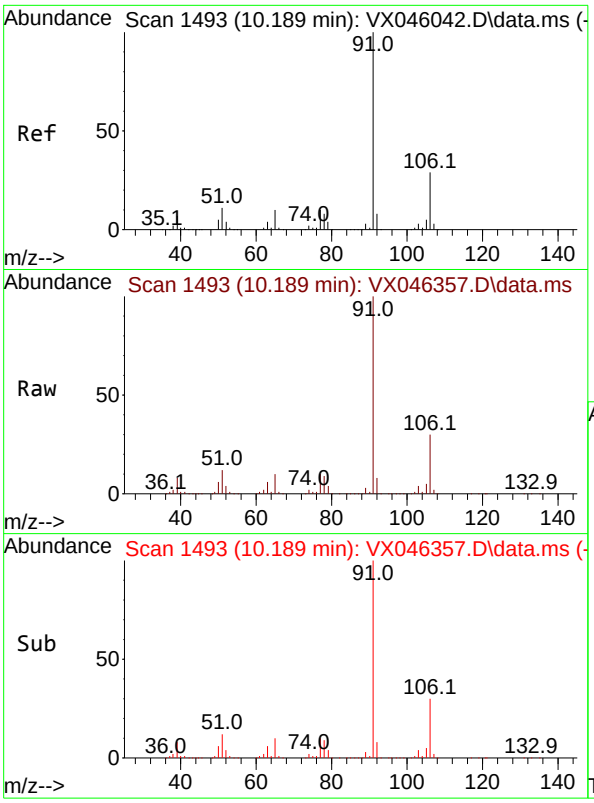



#66
1,1,1,2-Tetrachloroethane
Concen: 56.915 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:131 Resp: 50957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.6 | 47.3 | 141.9 |
| 119 | 62.5 | 31.6 | 95.0 |

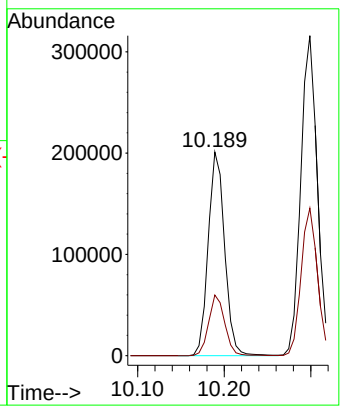





#67
Ethyl Benzene
Concen: 57.440 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 91 Resp: 26547

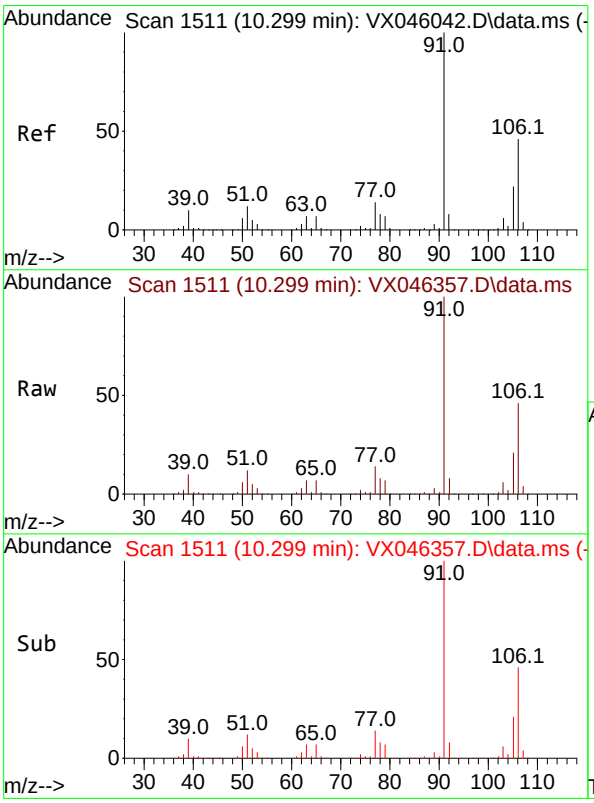
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.8 | 23.4 | 35.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

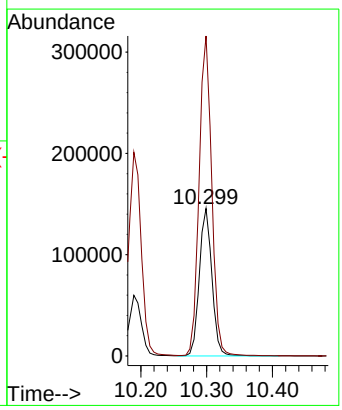
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

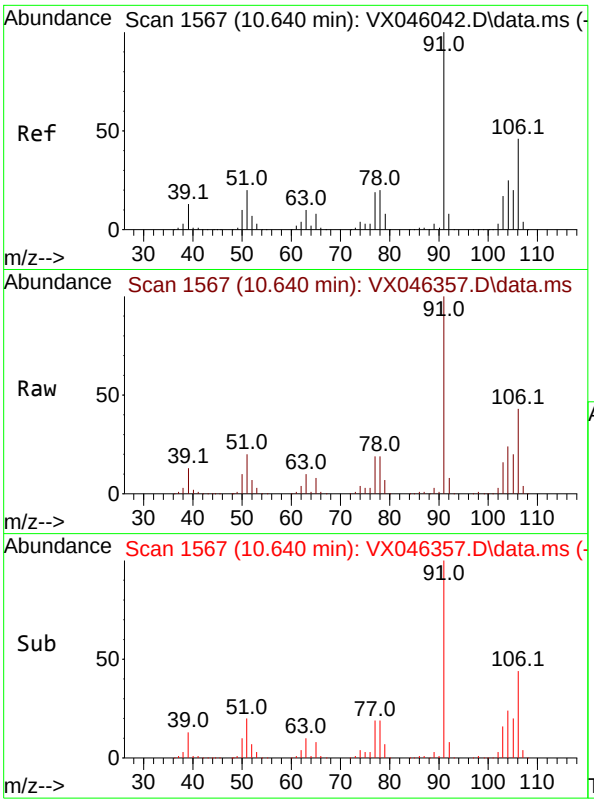



#68
m/p-Xylenes
Concen: 114.503 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:106 Resp: 193557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.9 | 171.2 | 256.8 |

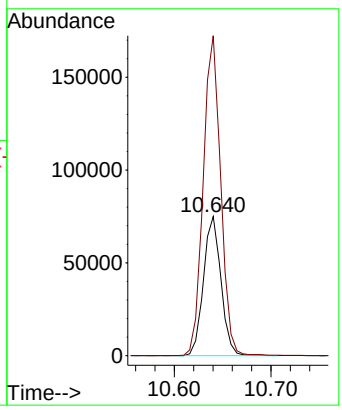





#69
o-Xylene
Concen: 57.235 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:106 Resp: 9432

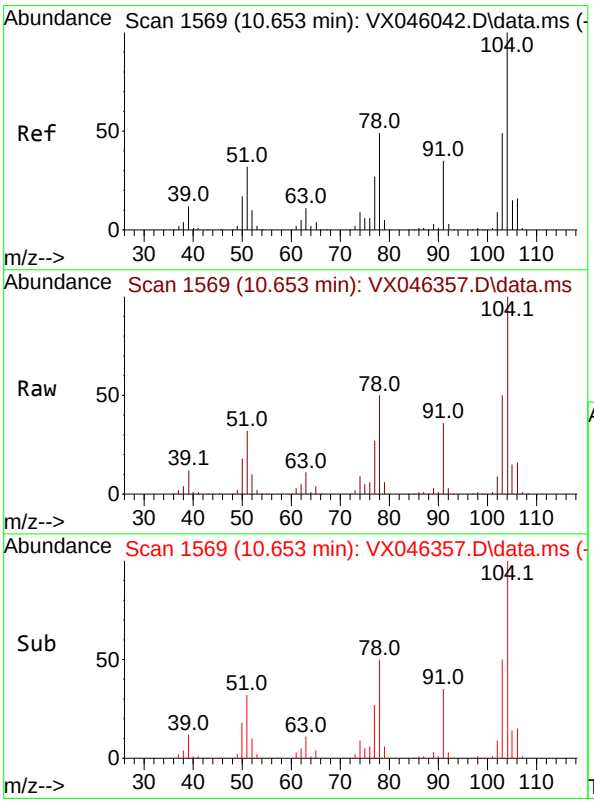
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 231.0 | 112.7 | 338.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

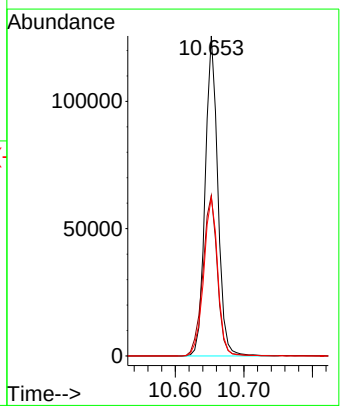
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

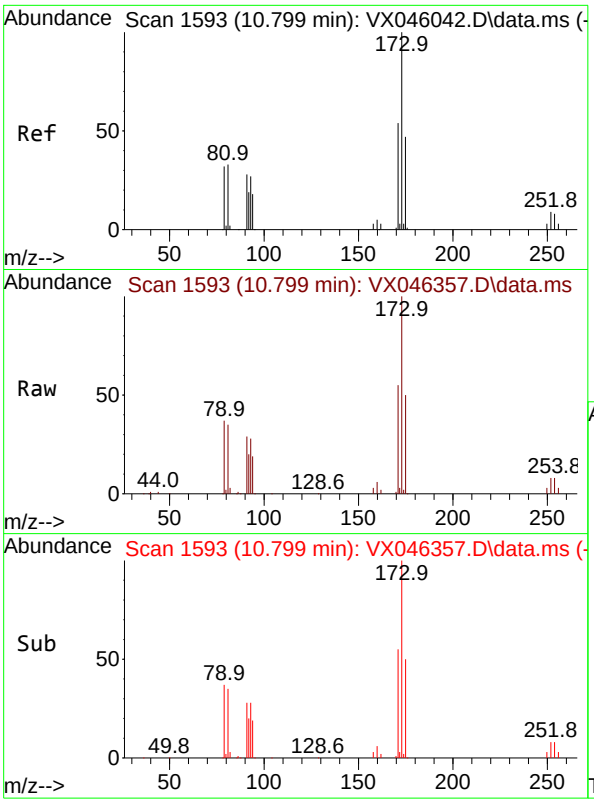



#70
Styrene
Concen: 59.760 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:104 Resp: 161327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.4 | 45.7 | 68.5 |
| 103 | 55.2 | 43.7 | 65.5 |






#71
Bromoform
Concen: 55.274 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

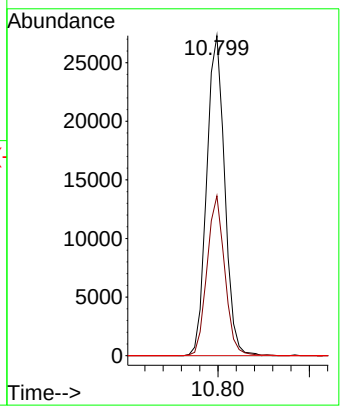
Tgt Ion:173 Resp: 3715

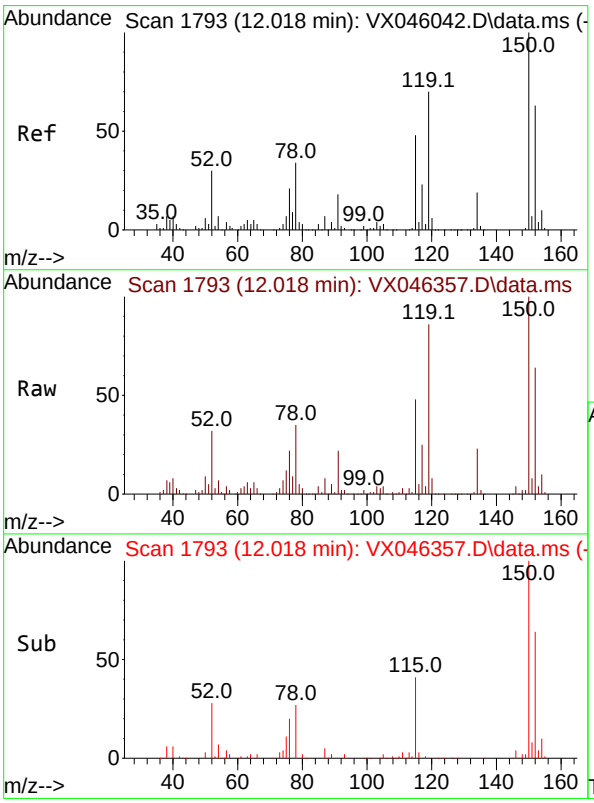
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.5 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

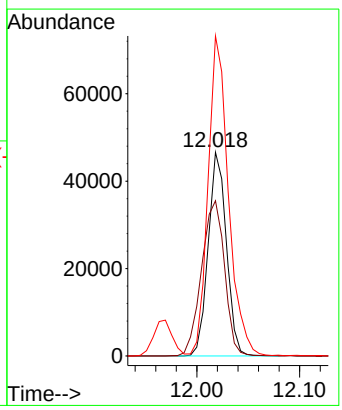


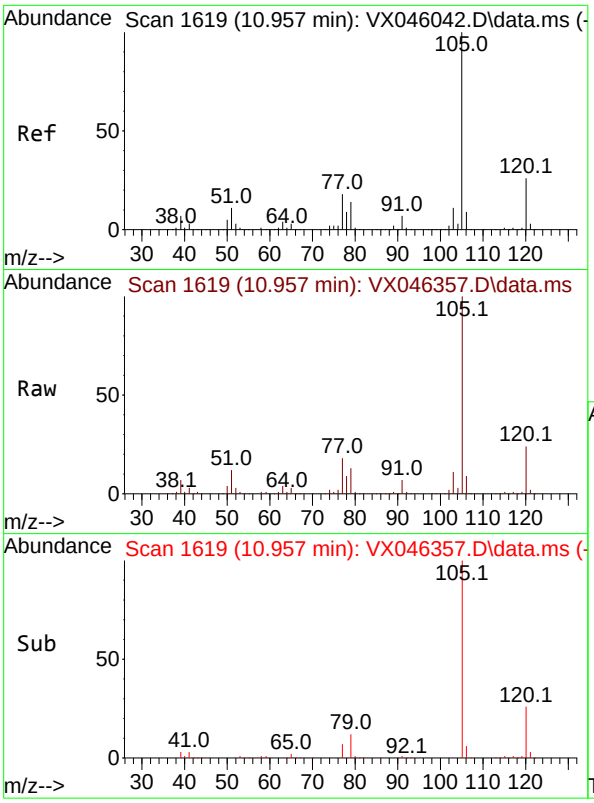




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:152 Resp: 57270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 96.6 | 46.9 | 140.7 |
| 150 | 175.6 | 0.0 | 351.0 |






#73
Isopropylbenzene
Concen: 57.069 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

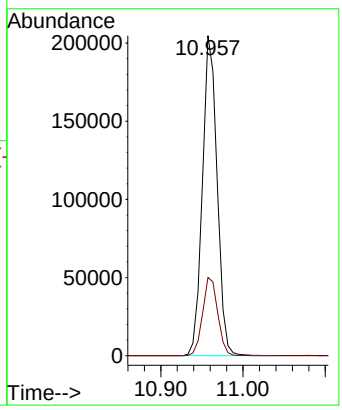
Tgt Ion:105 Resp: 25445

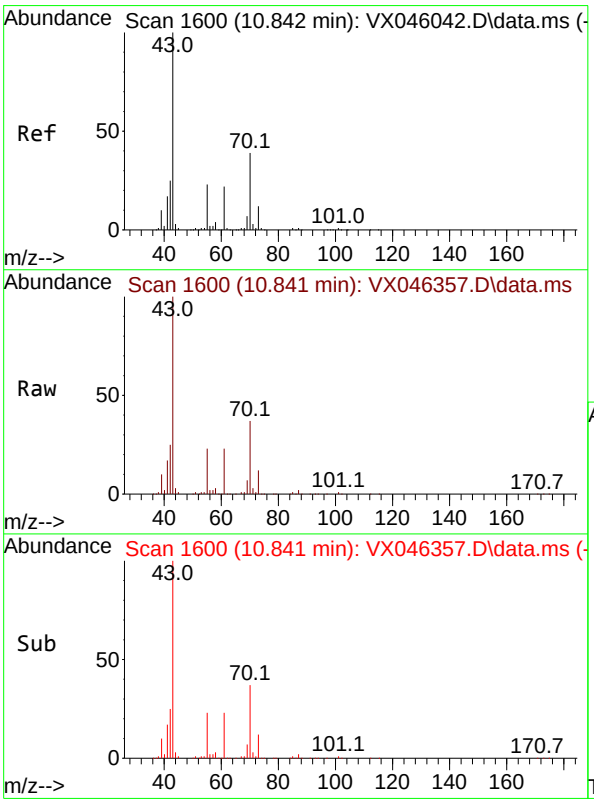
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.2 | 12.8 | 38.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

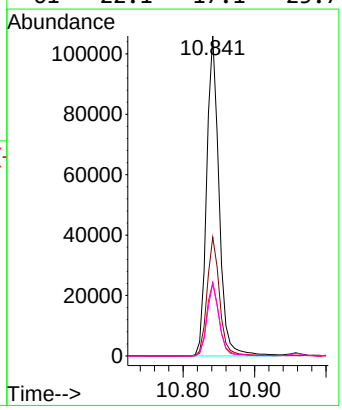


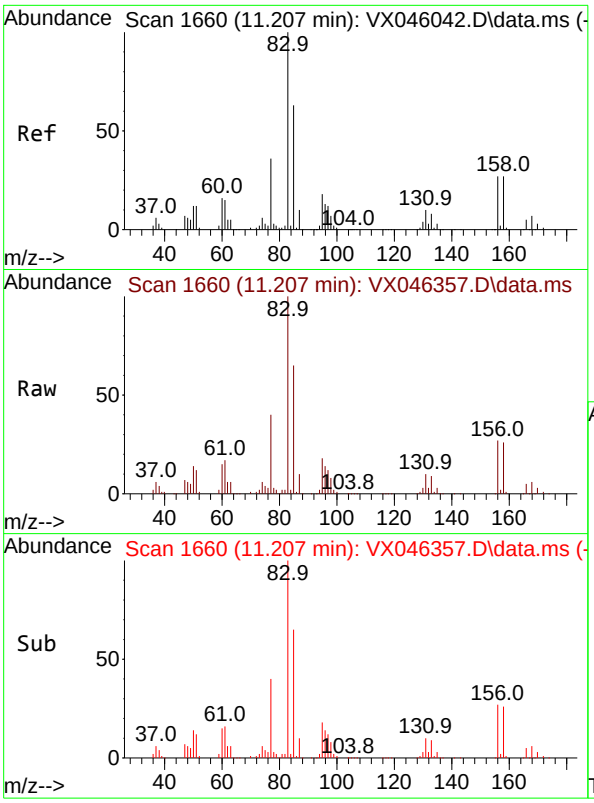




#74
N-amyl acetate
Concen: 57.930 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 43 Resp: 127633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 37.3 | 30.9 | 46.3 |
| 55 | 23.3 | 18.7 | 28.1 |
| 61 | 22.1 | 17.1 | 25.7 |

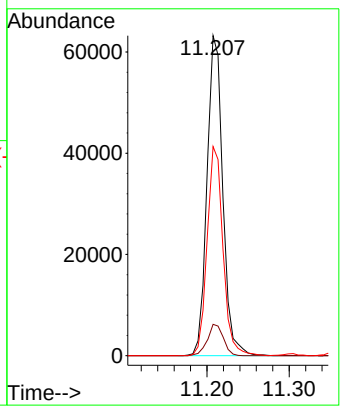





#75
1,1,2,2-Tetrachloroethane
Concen: 53.916 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 83 Resp: 8424

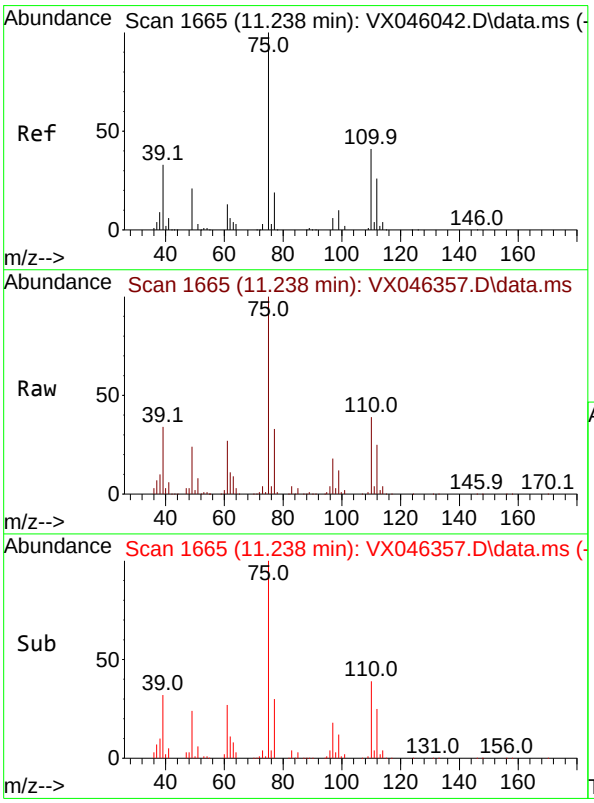
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.0 | 14.9 |
| 85 | 65.6 | 31.9 | 95.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

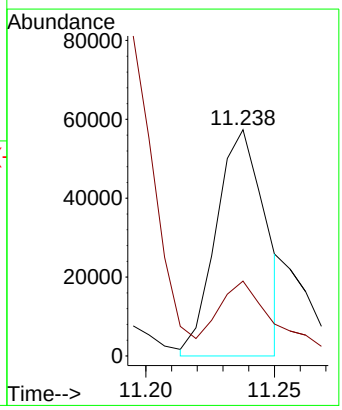
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

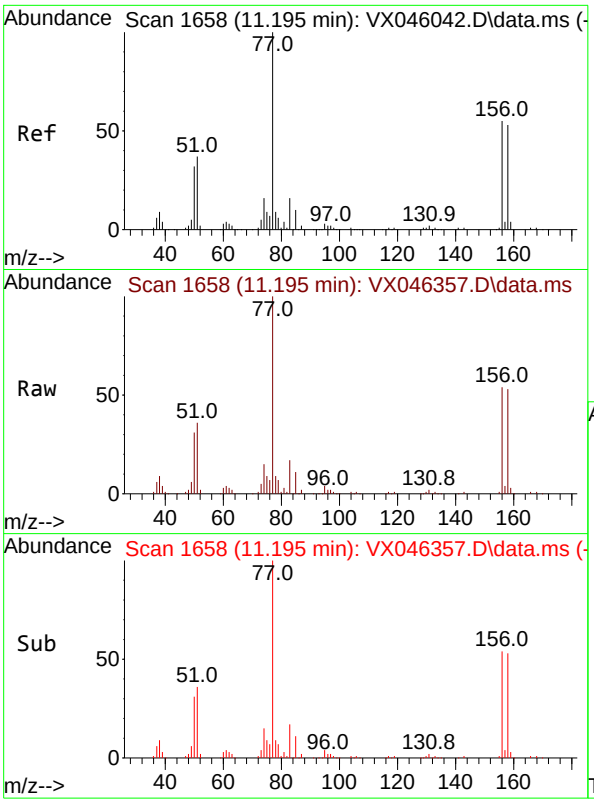



#76
1,2,3-Trichloropropane
Concen: 55.197 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 75 Resp: 76090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.6 | 20.5 | 61.5 |

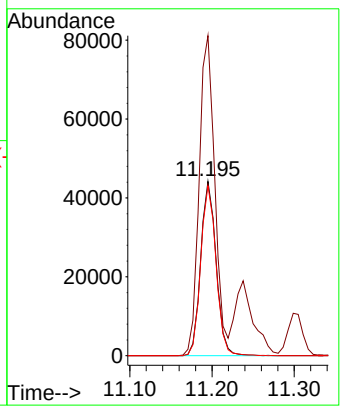





#77
Bromobenzene
Concen: 55.529 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:156 Resp: 5748

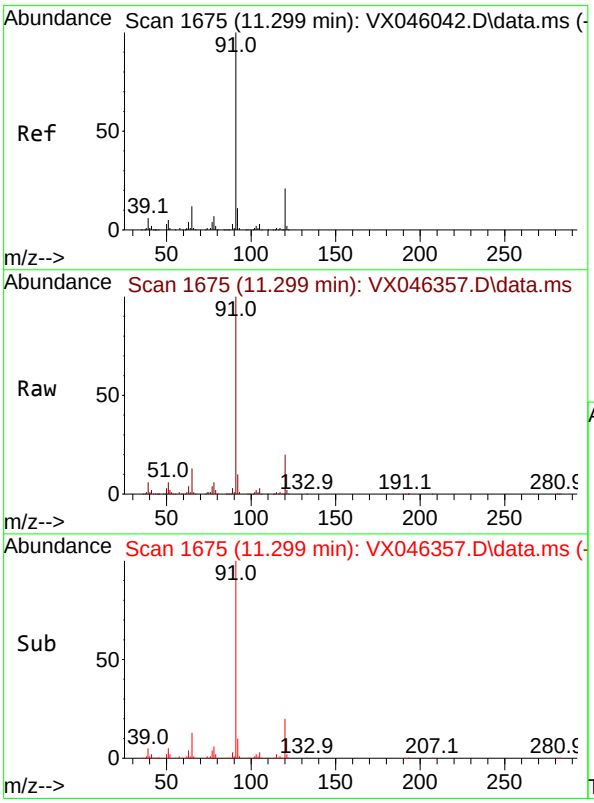
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 186.8 | 92.8 | 278.3 |
| 158 | 97.1 | 48.8 | 146.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

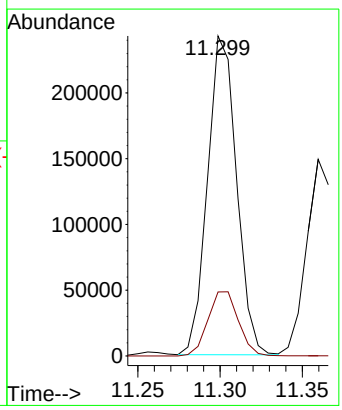
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

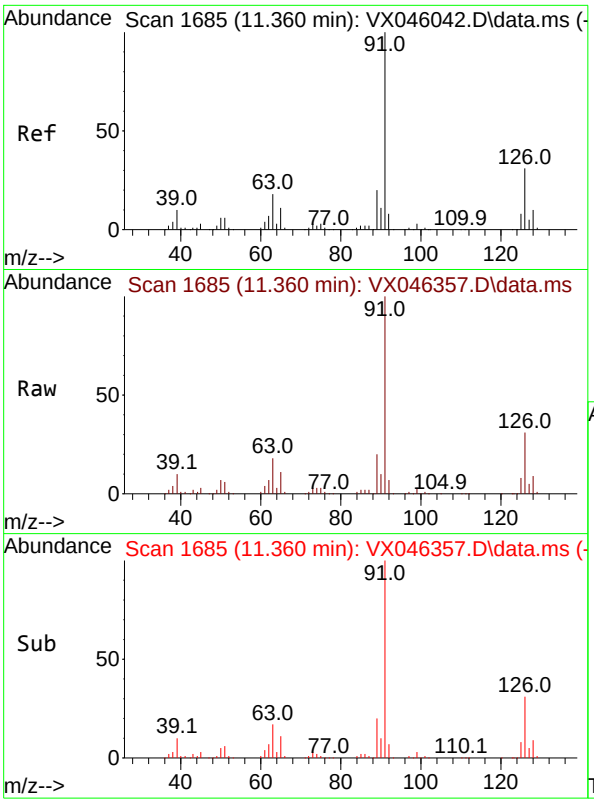



#78
n-propylbenzene
Concen: 57.482 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 91 Resp: 298001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.2 | 10.8 | 32.4 |






#79
2-Chlorotoluene
Concen: 54.791 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

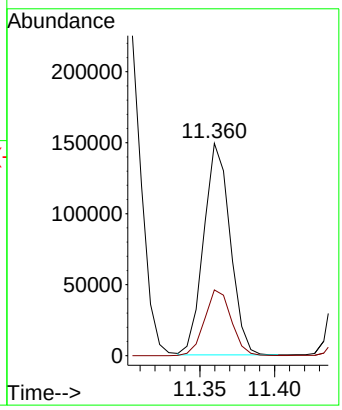
Tgt Ion: 91 Resp: 18321

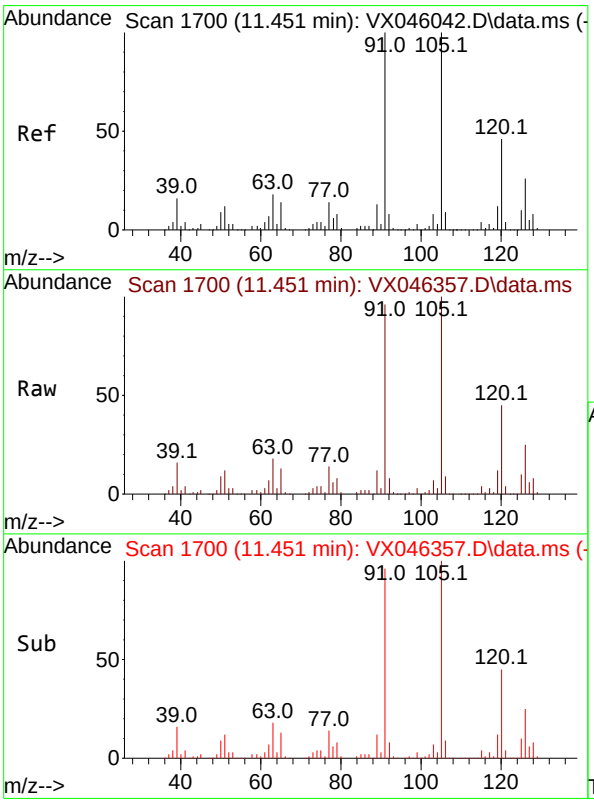
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.5 | 15.6 | 46.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

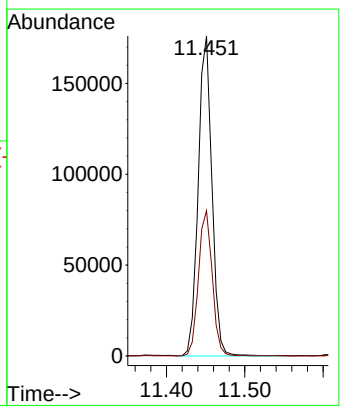


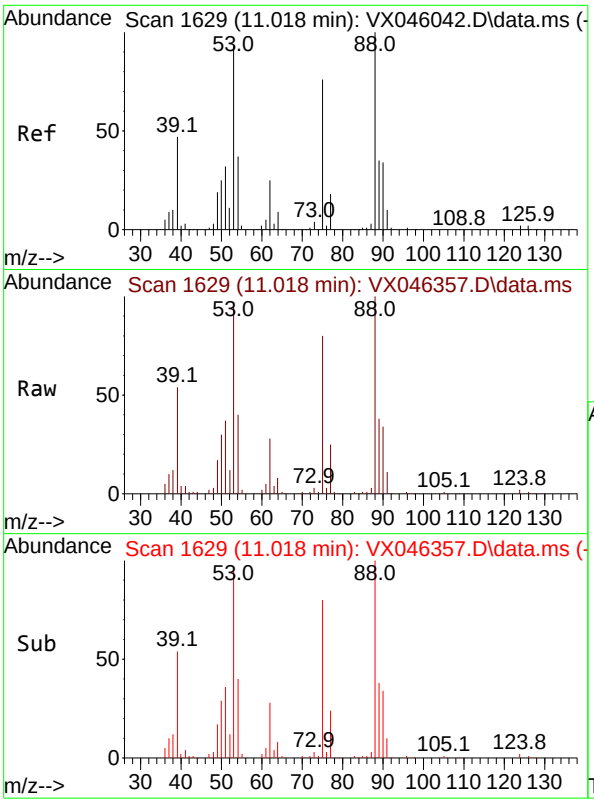




#80
1,3,5-Trimethylbenzene
Concen: 57.551 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:105 Resp: 214369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.5 | 23.1 | 69.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 52.265 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

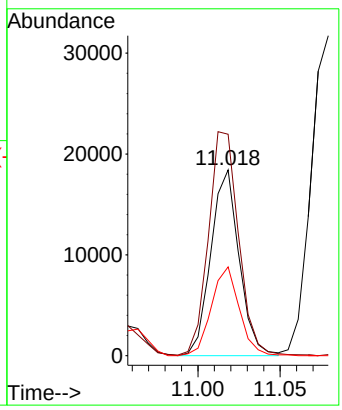
Tgt Ion: 75 Resp: 2213

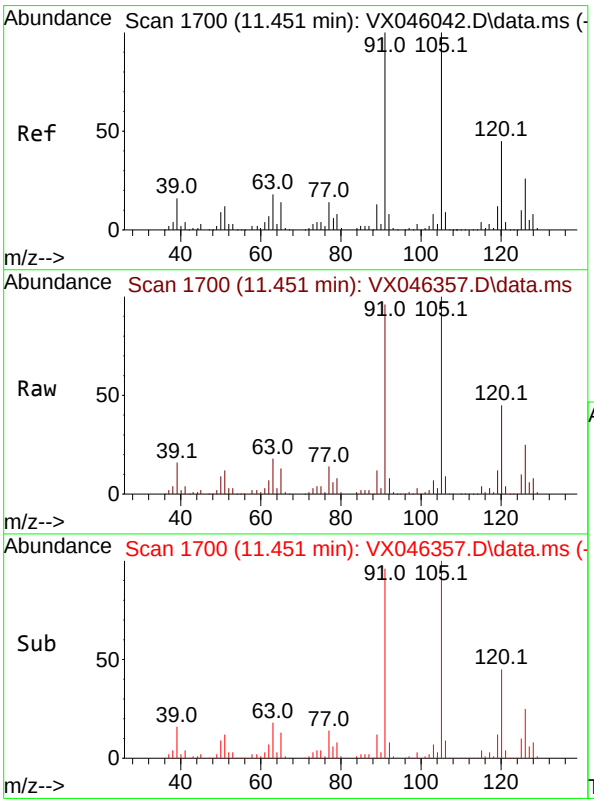
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 128.1 | 100.5 | 150.7 |
| 89 | 47.0 | 37.0 | 55.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

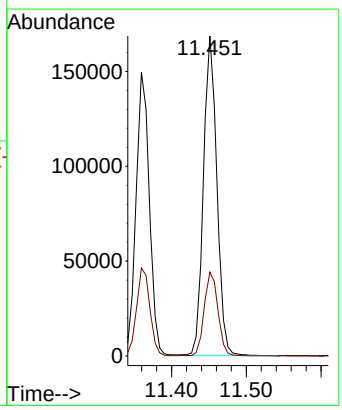


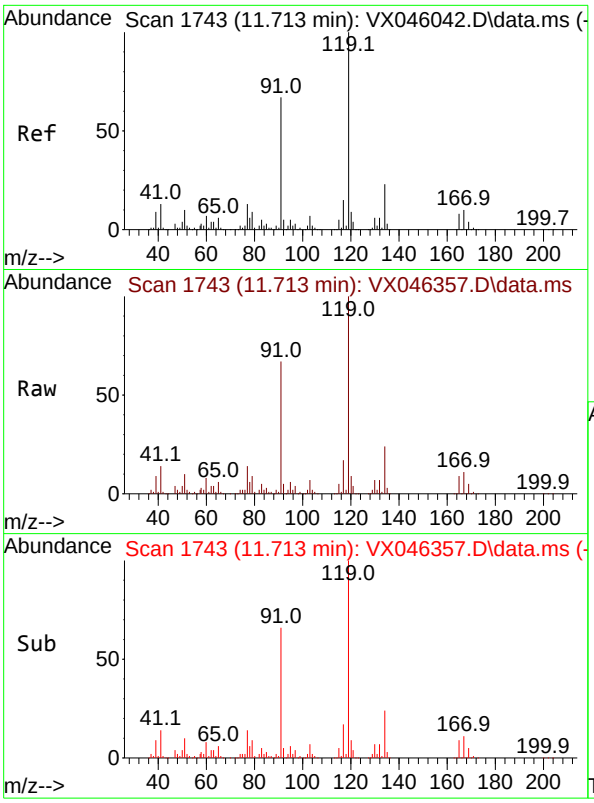




#82
4-Chlorotoluene
Concen: 56.611 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 91 Resp: 209928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.9 | 13.3 | 39.8 |






#83
tert-Butylbenzene
Concen: 56.156 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

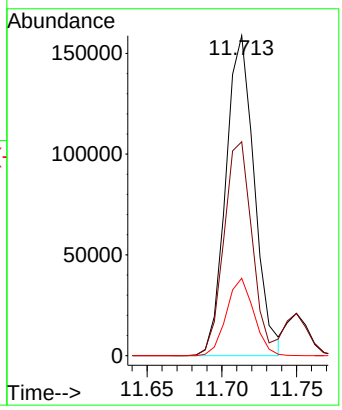
Tgt Ion:119 Resp: 21069

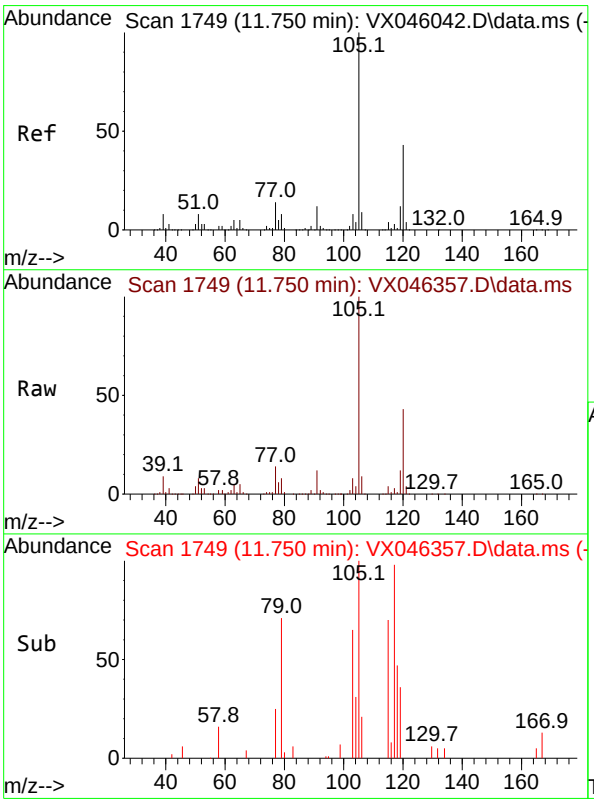
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.7 | 32.9 | 98.7 |
| 134 | 23.2 | 11.4 | 34.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

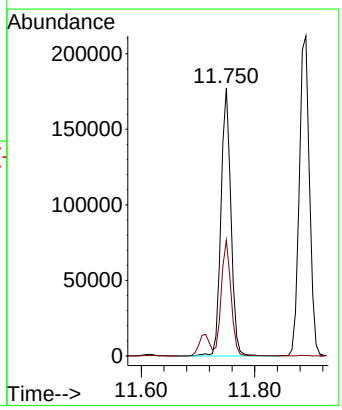


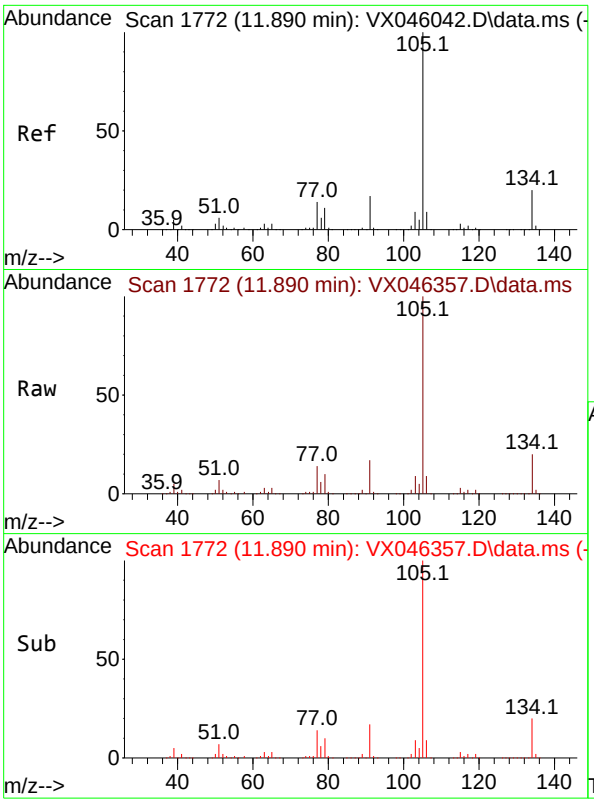




#84
1,2,4-Trimethylbenzene
Concen: 57.033 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:105 Resp: 215135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.4 | 21.2 | 63.6 |

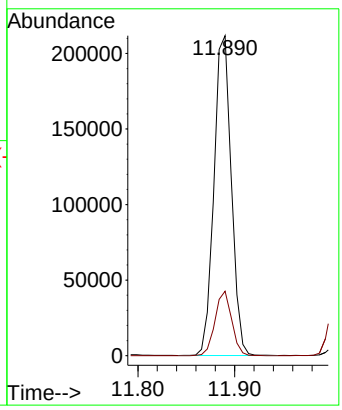





#85
sec-Butylbenzene
Concen: 57.092 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:105 Resp: 26301

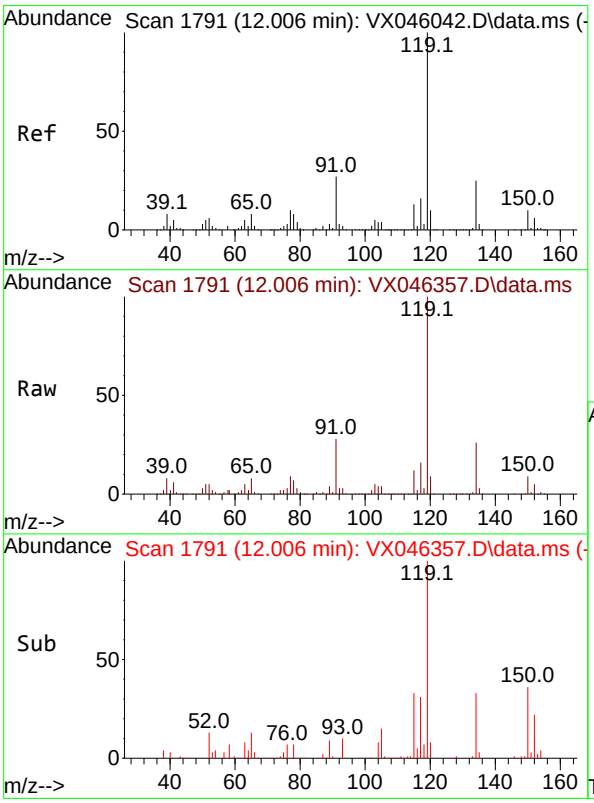
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.7 | 29.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

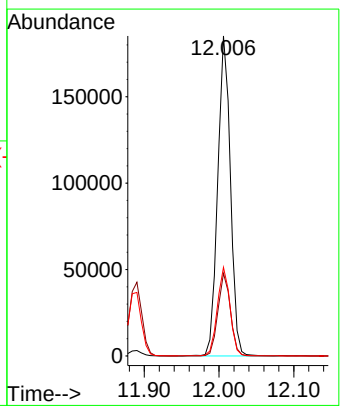
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

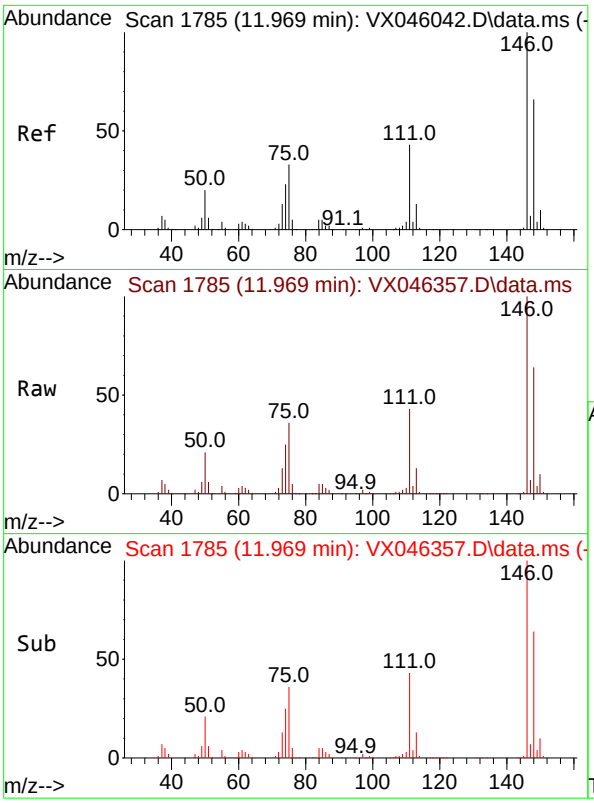



#86
p-Isopropyltoluene
Concen: 57.375 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:119 Resp: 218175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.4 | 12.5 | 37.5 |
| 91 | 27.5 | 13.8 | 41.4 |






#87
1,3-Dichlorobenzene
Concen: 55.082 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

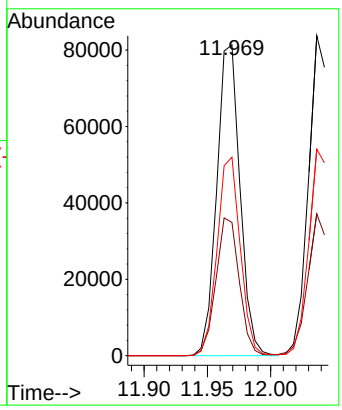
Tgt Ion:146 Resp: 10405

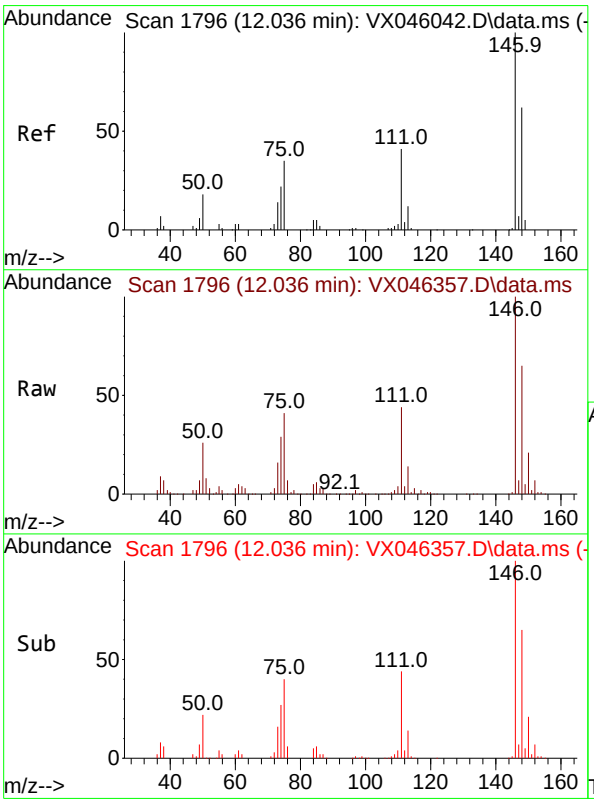
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.5 | 22.1 | 66.3 |
| 148 | 63.6 | 32.1 | 96.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

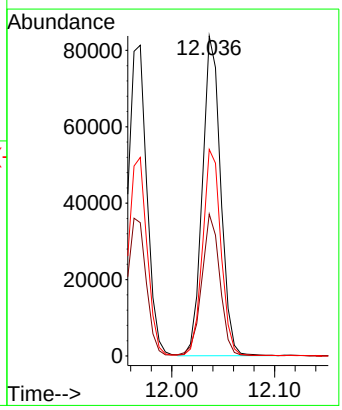


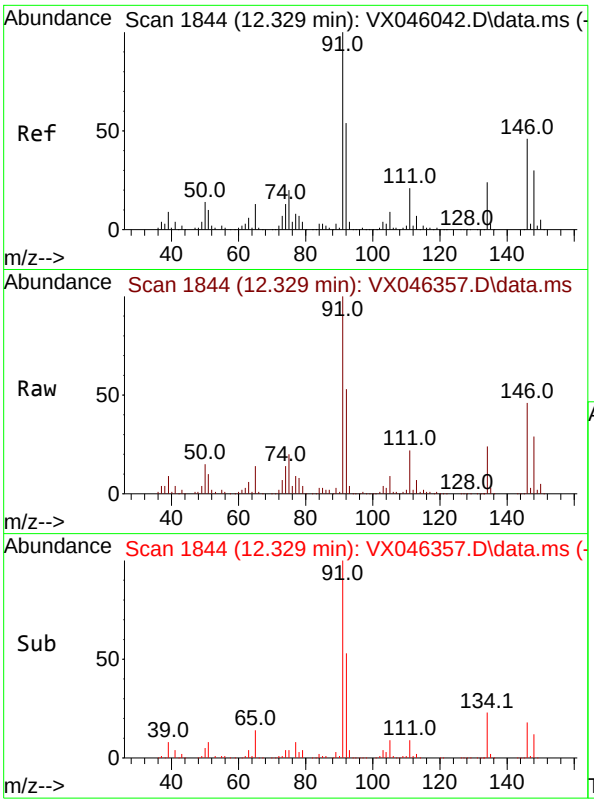




#88
1,4-Dichlorobenzene
Concen: 53.479 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:146 Resp: 103178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.0 | 21.3 | 63.9 |
| 148 | 65.0 | 31.9 | 95.5 |






#89
n-Butylbenzene
Concen: 57.905 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

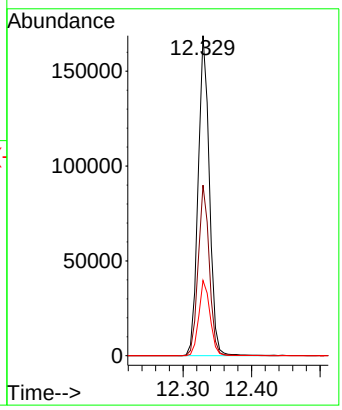
Tgt Ion: 91 Resp: 19314

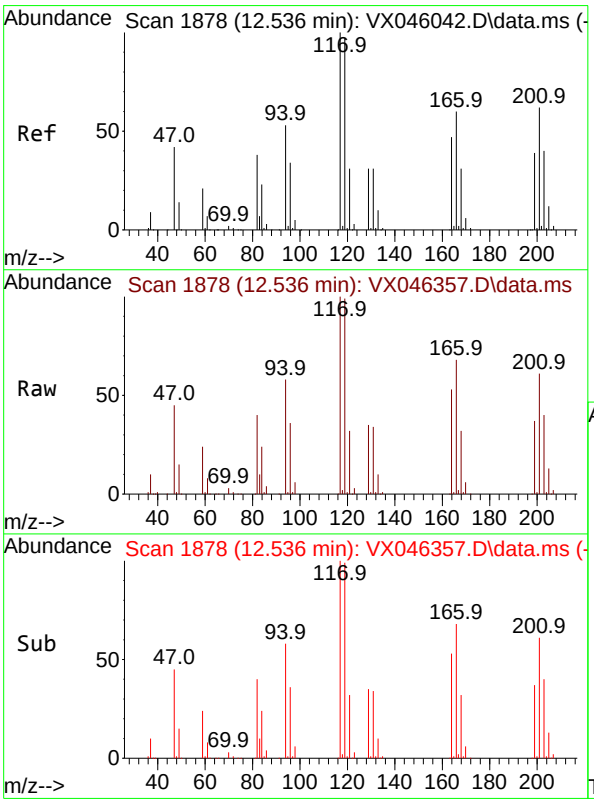
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.5 | 26.9 | 80.7 |
| 134 | 23.5 | 11.8 | 35.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

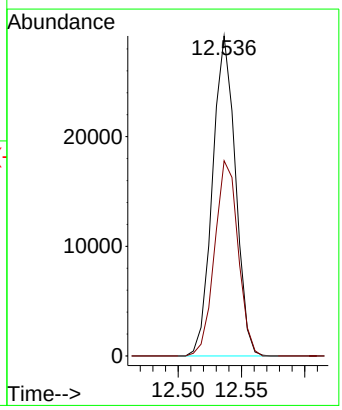


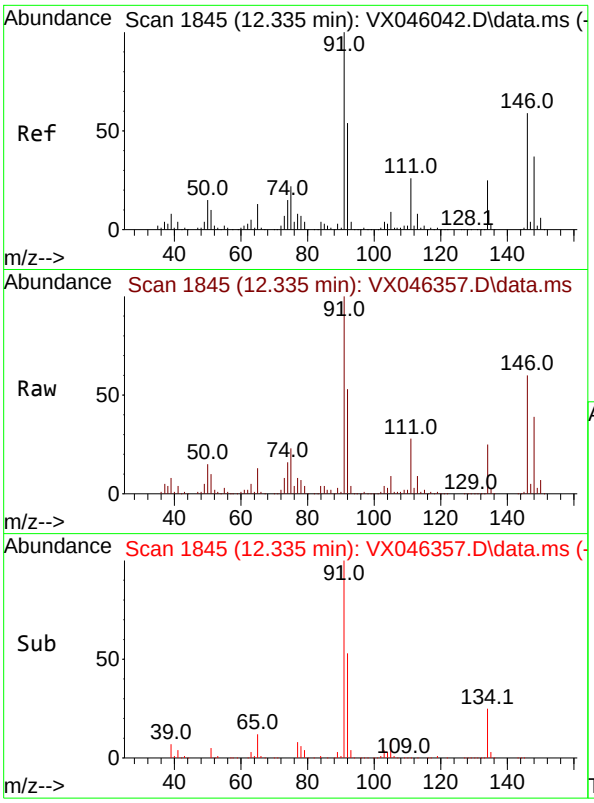




#90
Hexachloroethane
Concen: 54.879 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:117 Resp: 36765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.4 | 31.6 | 94.7 |

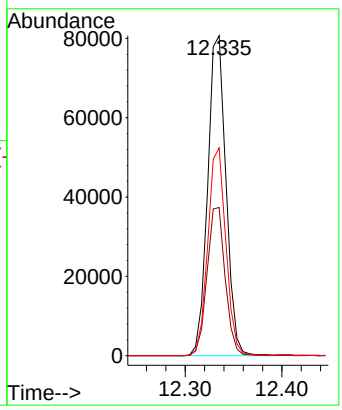





#91
1,2-Dichlorobenzene
Concen: 56.008 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:146 Resp: 10617

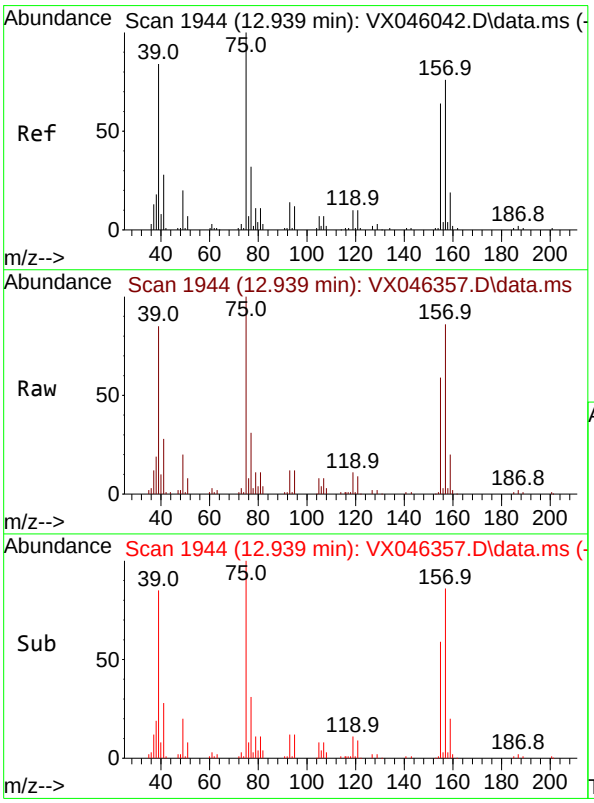
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.1 | 22.4 | 67.3 |
| 148 | 64.2 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

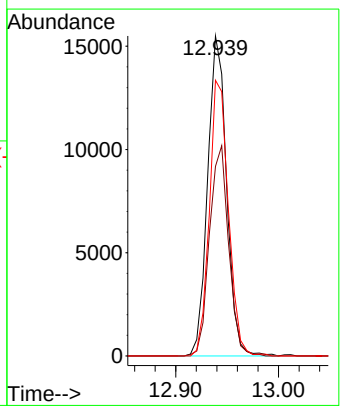
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

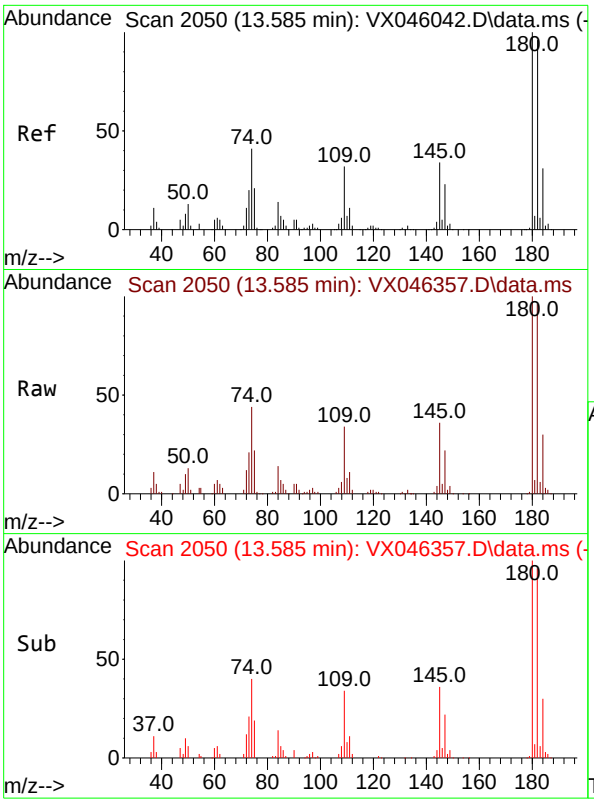



#92
1,2-Dibromo-3-Chloropropane
Concen: 57.261 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 75 Resp: 19820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 66.4 | 34.9 | 104.8 |
| 157 | 86.6 | 43.8 | 131.4 |






#93
1,2,4-Trichlorobenzene
Concen: 53.962 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

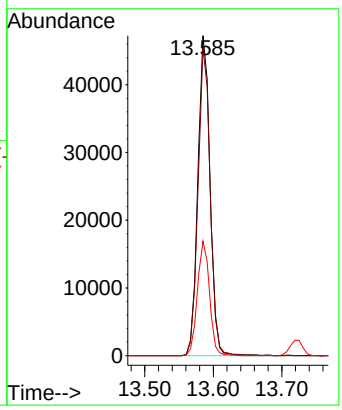
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

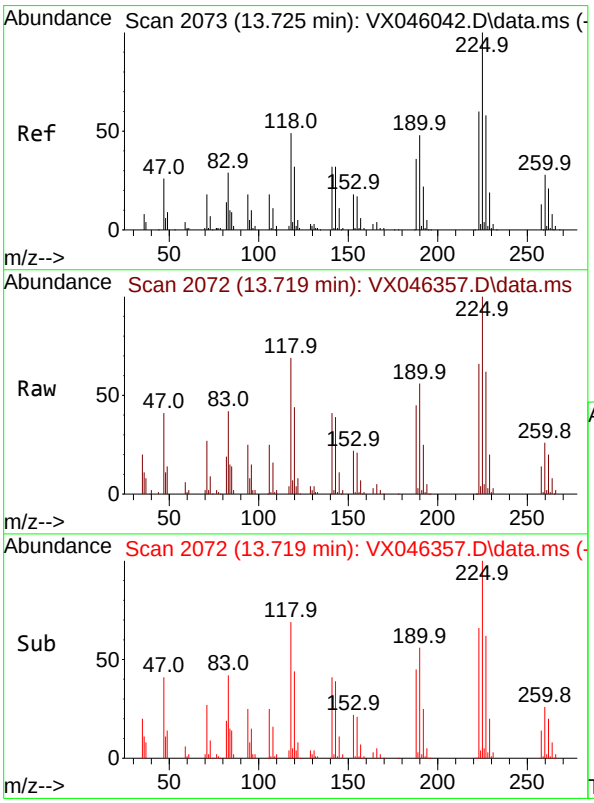
Tgt Ion:180 Resp: 5875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 47.9 | 143.8 |
| 145 | 35.4 | 17.1 | 51.2 |

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

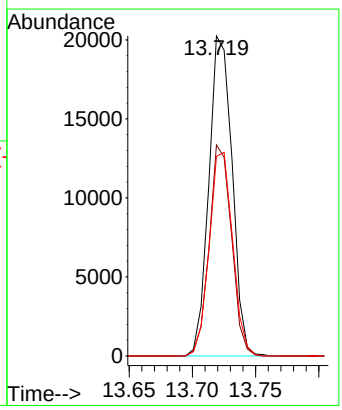


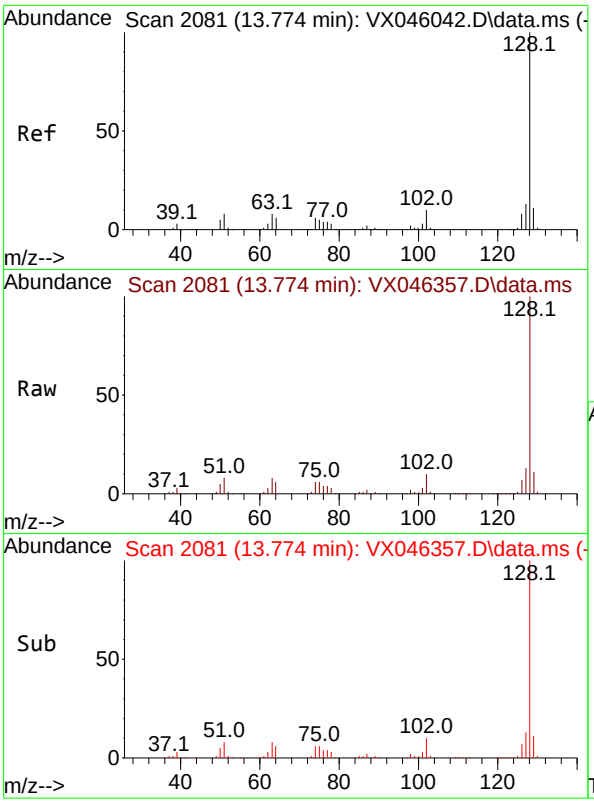




#94
Hexachlorobutadiene
Concen: 54.428 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:225 Resp: 25883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 30.8 | 92.4 |
| 227 | 63.8 | 30.9 | 92.7 |

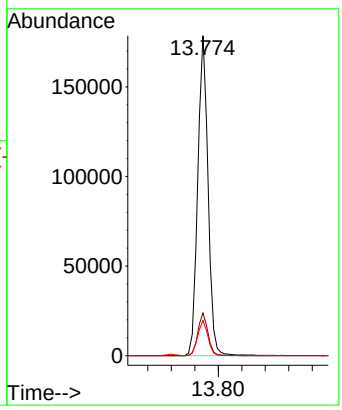





#95
Naphthalene
Concen: 54.381 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:128 Resp: 21717

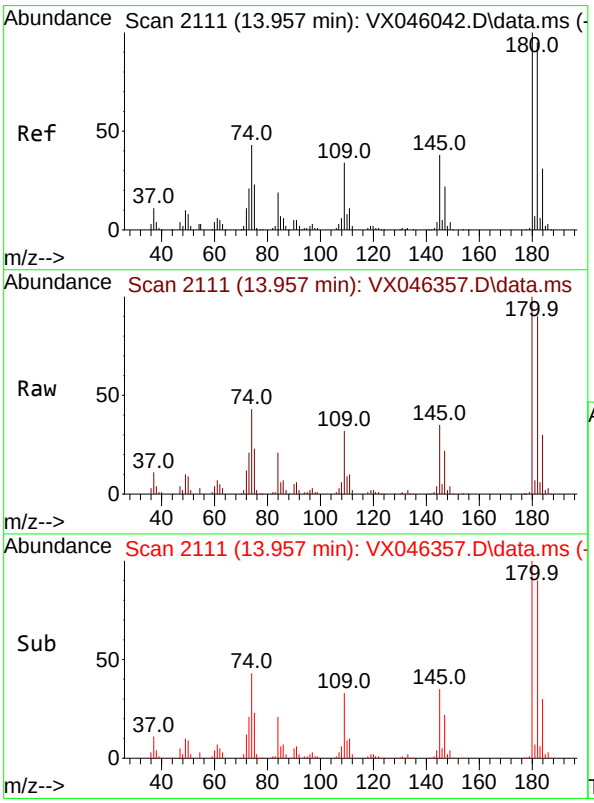
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.4 | 15.6 |
| 129 | 11.0 | 8.6 | 13.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

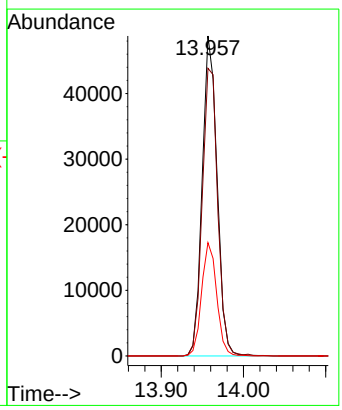
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 54.454 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:180 Resp: 61179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.6 | 47.8 | 143.3 |
| 145 | 35.9 | 18.1 | 54.3 |



Sample Results: **VX046357.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.765 | 0.847 | -10.7 | 78 | 0.00 |
| 3 | P | Chloromethane | 0.742 | 0.828 | -11.6 | 85 | 0.00 |
| 4 | C | Vinyl Chloride | 0.691 | 0.742 | -7.4# | 83 | 0.00 |
| 5 | T | Bromomethane | 0.320 | 0.337 | -5.3 | 82 | 0.00 |
| 6 | T | Chloroethane | 0.369 | 0.428 | -16.0 | 90 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.021 | 1.173 | -14.9 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 0.347 | 0.377 | -8.6 | 89 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.632 | 0.715 | -13.1 | 88 | 0.00 |
| 10 | T | Methyl Iodide | 0.747 | 0.853 | -14.2 | 84 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.131 | 0.143 | -9.2 | 88 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.593 | 0.657 | -10.8# | 87 | 0.00 |
| 13 | T | Acrolein | 0.149 | 0.183 | -22.8 | 95 | 0.00 |
| 14 | T | Allyl chloride | 1.133 | 1.311 | -15.7 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 0.374 | 0.450 | -20.3 | 92 | 0.00 |
| 16 | T | Acetone | 0.374 | 0.428 | -14.4 | 94 | 0.00 |
| 17 | T | Carbon Disulfide | 1.406 | 1.429 | -1.6 | 78 | 0.00 |
| 18 | T | Methyl Acetate | 0.867 | 1.179 | -36.0# | 110 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.079 | 2.383 | -14.6 | 87 | 0.00 |
| 20 | T | Methylene Chloride | 0.716 | 0.774 | -8.1 | 90 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.596 | 0.665 | -11.6 | 86 | 0.00 |
| 22 | T | Diisopropyl ether | 2.189 | 2.611 | -19.3 | 91 | 0.00 |
| 23 | T | Vinyl Acetate | 1.925 | 2.245 | -16.6 | 87 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.219 | 1.413 | -15.9 | 89 | 0.00 |
| 25 | T | 2-Butanone | 0.543 | 0.643 | -18.4 | 92 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.954 | 0.918 | 3.8 | 76 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.718 | 0.826 | -15.0 | 89 | 0.00 |
| 28 | T | Bromochloromethane | 0.587 | 0.678 | -15.5 | 93 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.340 | 0.402 | -18.2 | 91 | 0.00 |
| 30 | C | Chloroform | 1.271 | 1.489 | -17.2# | 91 | 0.00 |
| 31 | T | Cyclohexane | 1.111 | 1.236 | -11.3 | 87 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.101 | 1.253 | -13.8 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.932 | 0.992 | -6.4 | 86 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.360 | 0.392 | -8.9 | 88 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.484 | 0.539 | -11.4 | 87 | 0.00 |
| 37 | T | Ethyl Acetate | 0.598 | 0.690 | -15.4 | 90 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.544 | 0.614 | -12.9 | 88 | 0.00 |
| 39 | T | Methylcyclohexane | 0.623 | 0.674 | -8.2 | 84 | 0.00 |
| 40 | TM | Benzene | 1.417 | 1.650 | -16.4 | 89 | 0.00 |
| 41 | T | Methacrylonitrile | 0.313 | 0.406 | -29.7# | 94 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.612 | 0.717 | -17.2 | 91 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.912 | 1.078 | -18.2 | 89 | 0.00 |
| 44 | TM | Trichloroethene | 0.341 | 0.379 | -11.1 | 85 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.352 | 0.422 | -19.9# | 91 | 0.00 |
| 46 | T | Dibromomethane | 0.278 | 0.322 | -15.8 | 89 | 0.00 |
| 47 | T | Bromodichloromethane | 0.547 | 0.652 | -19.2 | 90 | 0.00 |
| 48 | T | Methyl methacrylate | 0.466 | 0.572 | -22.7 | 91 | 0.00 |

Sample Results: **VX046357.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 0.009 | 0.010 | -11.1 | 90 | 0.00 |
| 50 | S | Toluene-d8 | 1.246 | 1.306 | -4.8 | 85 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.605 | 0.739 | -22.1 | 93 | 0.00 |
| 52 | CM | Toluene | 0.869 | 1.003 | -15.4# | 89 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.487 | 0.559 | -14.8 | 84 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.538 | 0.614 | -14.1 | 85 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.343 | 0.411 | -19.8 | 93 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.546 | 0.667 | -22.2 | 89 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.615 | 0.713 | -15.9 | 91 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.278 | 0.323 | -16.2 | 84 | 0.00 |
| 59 | T | 2-Hexanone | 0.448 | 0.551 | -23.0 | 93 | 0.00 |
| 60 | T | Dibromochloromethane | 0.376 | 0.451 | -19.9 | 90 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.356 | 0.411 | -15.4 | 88 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.478 | 0.512 | -7.1 | 87 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 64 | T | Tetrachloroethene | 0.354 | 0.391 | -10.5 | 85 | 0.00 |
| 65 | PM | Chlorobenzene | 1.094 | 1.215 | -11.1 | 91 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.374 | 0.425 | -13.6 | 89 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 2.216 | -14.9# | 90 | 0.00 |
| 68 | T | m/p-Xylenes | 0.706 | 0.808 | -14.4 | 89 | 0.00 |
| 69 | T | o-Xylene | 0.688 | 0.787 | -14.4 | 89 | 0.00 |
| 70 | T | Styrene | 1.127 | 1.347 | -19.5 | 90 | 0.00 |
| 71 | P | Bromoform | 0.281 | 0.310 | -10.3 | 84 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 73 | T | Isopropylbenzene | 3.893 | 4.443 | -14.1 | 91 | 0.00 |
| 74 | T | N-amyl acetate | 1.924 | 2.229 | -15.9 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.364 | 1.471 | -7.8 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.204 | 1.329 | -10.4 | 94 | 0.00 |
| 77 | T | Bromobenzene | 0.904 | 1.004 | -11.1 | 91 | 0.00 |
| 78 | T | n-propylbenzene | 4.526 | 5.203 | -15.0 | 90 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.919 | 3.199 | -9.6 | 90 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.252 | 3.743 | -15.1 | 90 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.370 | 0.386 | -4.3 | 85 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.238 | 3.666 | -13.2 | 90 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.276 | 3.679 | -12.3 | 90 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.293 | 3.757 | -14.1 | 90 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.022 | 4.593 | -14.2 | 90 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.320 | 3.810 | -14.8 | 90 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.649 | 1.817 | -10.2 | 90 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.684 | 1.802 | -7.0 | 90 | 0.00 |
| 89 | T | n-Butylbenzene | 2.912 | 3.373 | -15.8 | 90 | 0.00 |
| 90 | T | Hexachloroethane | 0.585 | 0.642 | -9.7 | 87 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.655 | 1.854 | -12.0 | 92 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.302 | 0.346 | -14.6 | 90 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.951 | 1.026 | -7.9 | 88 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.415 | 0.452 | -8.9 | 89 | 0.00 |
| 95 | T | Naphthalene | 3.487 | 3.792 | -8.7 | 88 | 0.00 |

Sample Results: **VX046357.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 0.981 | 1.068 | -8.9 | 88 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX046357.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 79 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 55.362 | -10.7 | 78 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 55.785 | -11.6 | 85 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 53.745 | -7.5# | 83 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 52.657 | -5.3 | 82 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 58.018 | -16.0 | 90 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 57.436 | -14.9 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 54.212 | -8.4 | 89 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 56.611 | -13.2 | 88 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 57.072 | -14.1 | 84 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 273.720 | -9.5 | 88 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 55.394 | -10.8# | 87 | 0.00 |
| 13 | T | Acrolein | 250.000 | 306.348 | -22.5 | 95 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 57.856 | -15.7 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 300.729 | -20.3 | 92 | 0.00 |
| 16 | T | Acetone | 250.000 | 286.251 | -14.5 | 94 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 50.829 | -1.7 | 78 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 67.998 | -36.0# | 110 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 57.333 | -14.7 | 87 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 54.030 | -8.1 | 90 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 55.755 | -11.5 | 86 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 59.639 | -19.3 | 91 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 291.539 | -16.6 | 87 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 57.974 | -15.9 | 89 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 296.078 | -18.4 | 92 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.116 | 3.8 | 76 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 57.522 | -15.0 | 89 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 57.760 | -15.5 | 93 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 295.465 | -18.2 | 91 | 0.00 |
| 30 | C | Chloroform | 50.000 | 58.573 | -17.1# | 91 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 55.632 | -11.3 | 87 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 56.869 | -13.7 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 53.222 | -6.4 | 86 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 80 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 54.480 | -9.0 | 88 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 55.684 | -11.4 | 87 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 57.707 | -15.4 | 90 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 56.496 | -13.0 | 88 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 54.143 | -8.3 | 84 | 0.00 |
| 40 | TM | Benzene | 50.000 | 58.216 | -16.4 | 89 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 64.894 | -29.8# | 94 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 58.585 | -17.2 | 91 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 59.095 | -18.2 | 89 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 55.577 | -11.2 | 85 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 59.869 | -19.7# | 91 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 57.908 | -15.8 | 89 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 59.530 | -19.1 | 90 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 61.388 | -22.8 | 91 | 0.00 |

Sample Results: **VX046357.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 1156.492 | -15.6 | 90 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 52.406 | -4.8 | 85 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 305.280 | -22.1 | 93 | 0.00 |
| 52 | CM | Toluene | 50.000 | 57.742 | -15.5# | 89 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 57.441 | -14.9 | 84 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 57.117 | -14.2 | 85 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 60.037 | -20.1 | 93 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 61.050 | -22.1 | 89 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 57.929 | -15.9 | 91 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 290.480 | -16.2 | 84 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 307.441 | -23.0 | 93 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 59.883 | -19.8 | 90 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 57.641 | -15.3 | 88 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 53.512 | -7.0 | 87 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 82 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 55.224 | -10.4 | 85 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 55.532 | -11.1 | 91 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 56.915 | -13.8 | 89 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 57.440 | -14.9# | 90 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 114.503 | -14.5 | 89 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 57.235 | -14.5 | 89 | 0.00 |
| 70 | T | Styrene | 50.000 | 59.760 | -19.5 | 90 | 0.00 |
| 71 | P | Bromoform | 50.000 | 55.274 | -10.5 | 84 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 84 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 57.069 | -14.1 | 91 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 57.930 | -15.9 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 53.916 | -7.8 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 55.197 | -10.4 | 94 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 55.529 | -11.1 | 91 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 57.482 | -15.0 | 90 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 54.791 | -9.6 | 90 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 57.551 | -15.1 | 90 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 52.265 | -4.5 | 85 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 56.611 | -13.2 | 90 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 56.156 | -12.3 | 90 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 57.033 | -14.1 | 90 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 57.092 | -14.2 | 90 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 57.375 | -14.8 | 90 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 55.082 | -10.2 | 90 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 53.479 | -7.0 | 90 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 57.905 | -15.8 | 90 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.879 | -9.8 | 87 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 56.008 | -12.0 | 92 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 57.261 | -14.5 | 90 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 53.962 | -7.9 | 88 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 54.428 | -8.9 | 89 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 54.381 | -8.8 | 88 | 0.00 |

Sample Results: **VX046357.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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 | 54.454 | -8.9 | 88 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

# QC SAMPLE DATA

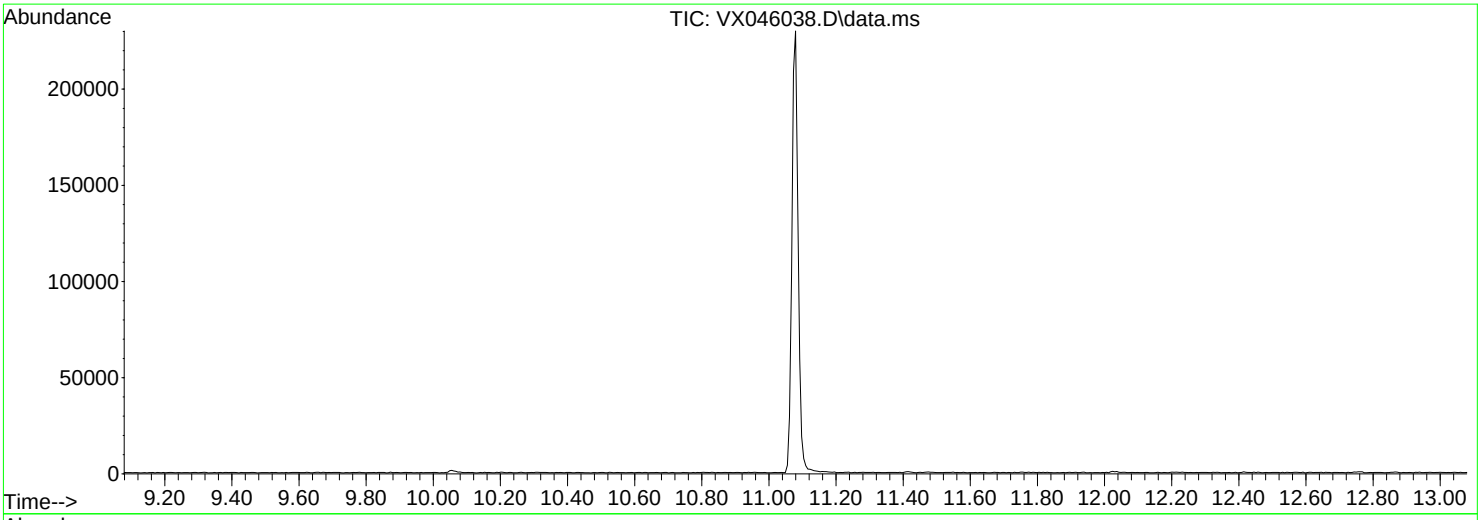
Sample Results: **VX046038.D**

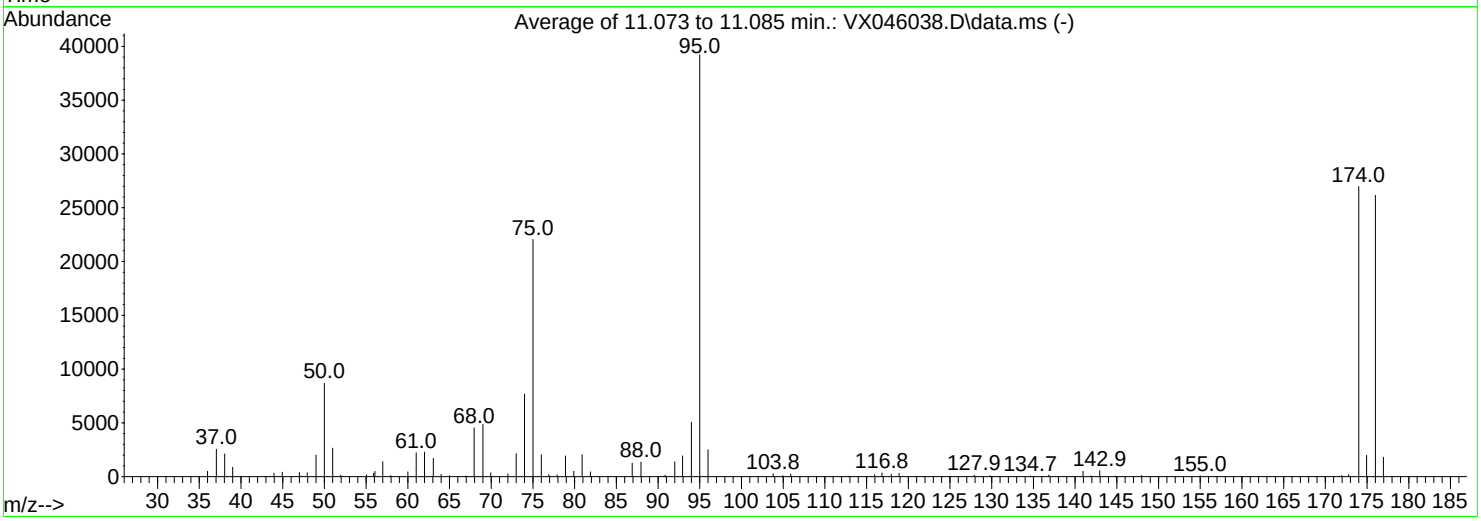
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046038.D
Acq On : 05 May 2025 09:37
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025




AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 22.1 | 8676 | PASS |
| 75 | 95 | 30 | 60 | 56.2 | 22052 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 39213 | PASS |
| 96 | 95 | 5 | 9 | 6.4 | 2505 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 185 | PASS |
| 174 | 95 | 50 | 100 | 68.8 | 26963 | PASS |
| 175 | 174 | 5 | 9 | 7.3 | 1980 | PASS |
| 176 | 174 | 95 | 101 | 97.0 | 26147 | PASS |
| 177 | 176 | 5 | 9 | 6.9 | 1802 | PASS |

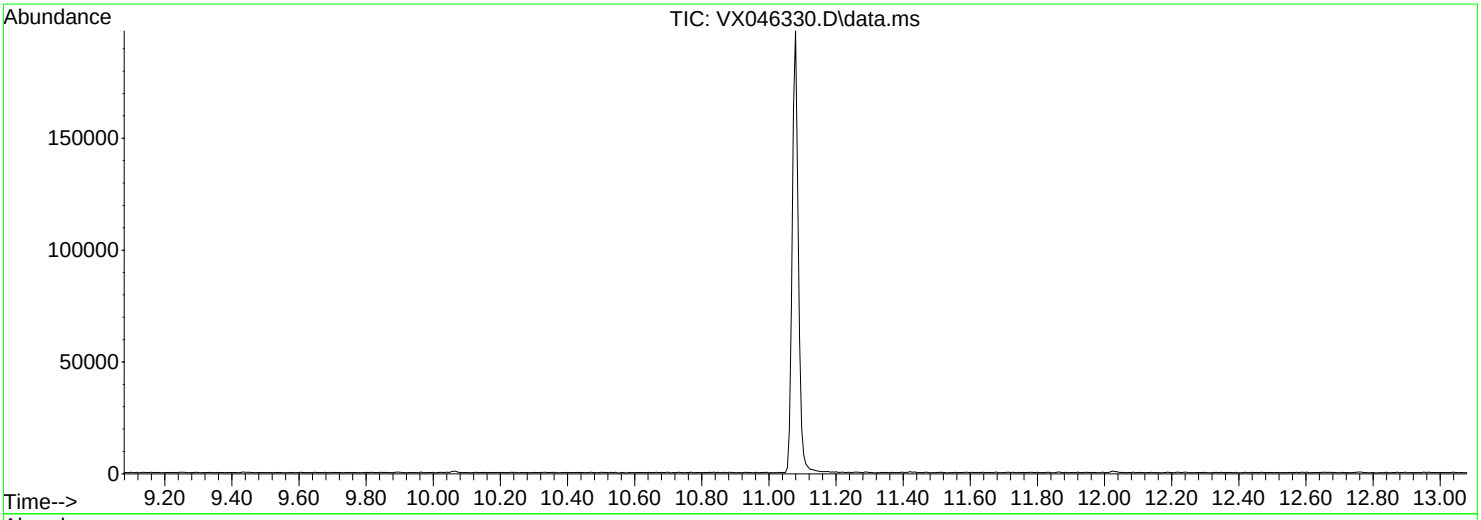
Sample Results: **VX046330.D**

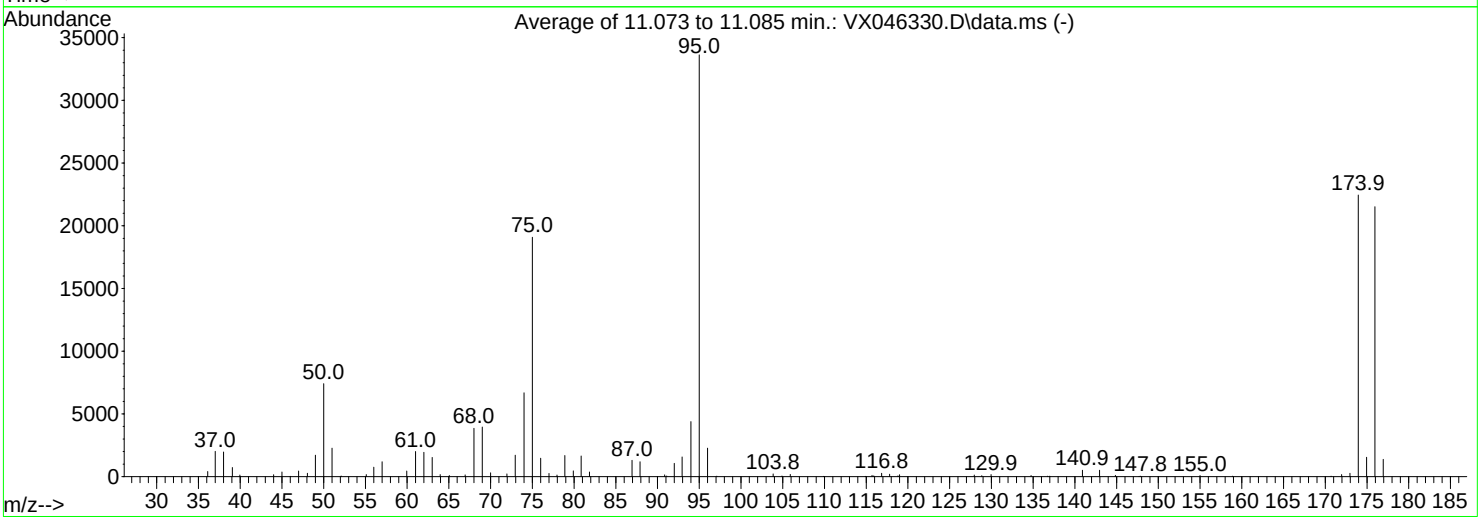
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046330.D
Acq On : 23 May 2025 08:25
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025




AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 22.0 | 7406 | PASS |
| 75 | 95 | 30 | 60 | 56.7 | 19080 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 33629 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 2267 | PASS |
| 173 | 174 | 0.00 | 2 | 1.2 | 270 | PASS |
| 174 | 95 | 50 | 100 | 66.8 | 22448 | PASS |
| 175 | 174 | 5 | 9 | 6.9 | 1542 | PASS |
| 176 | 174 | 95 | 101 | 95.9 | 21525 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 1375 | PASS |

Raw Data: **VX046333.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0523WBL01 | SDG No.: | Q2120 |
| Lab Sample ID: | VX0523WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046333.D | 1 | | 05/23/25 10:16 | VX052325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.19 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 0.89 | 2.50 | 5.00 | ug/L |

Raw Data: **VX046333.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0523WBL01 | SDG No.: | Q2120 |
| Lab Sample ID: | VX0523WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046333.D | 1 | | 05/23/25 10:16 | VX052325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 53.2 | | 81 - 118 | | 106% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 52.0 | | 80 - 119 | | 104% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.1 | | 89 - 112 | | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.9 | | 85 - 114 | | 104% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 69200 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 136000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 130000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 57100 | 12.018 | | | | |

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046333.D
Acq On : 23 May 2025 10:16
Operator : JC/MD
Sample : VX0523WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBL01

Quant Time: May 23 22:57:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

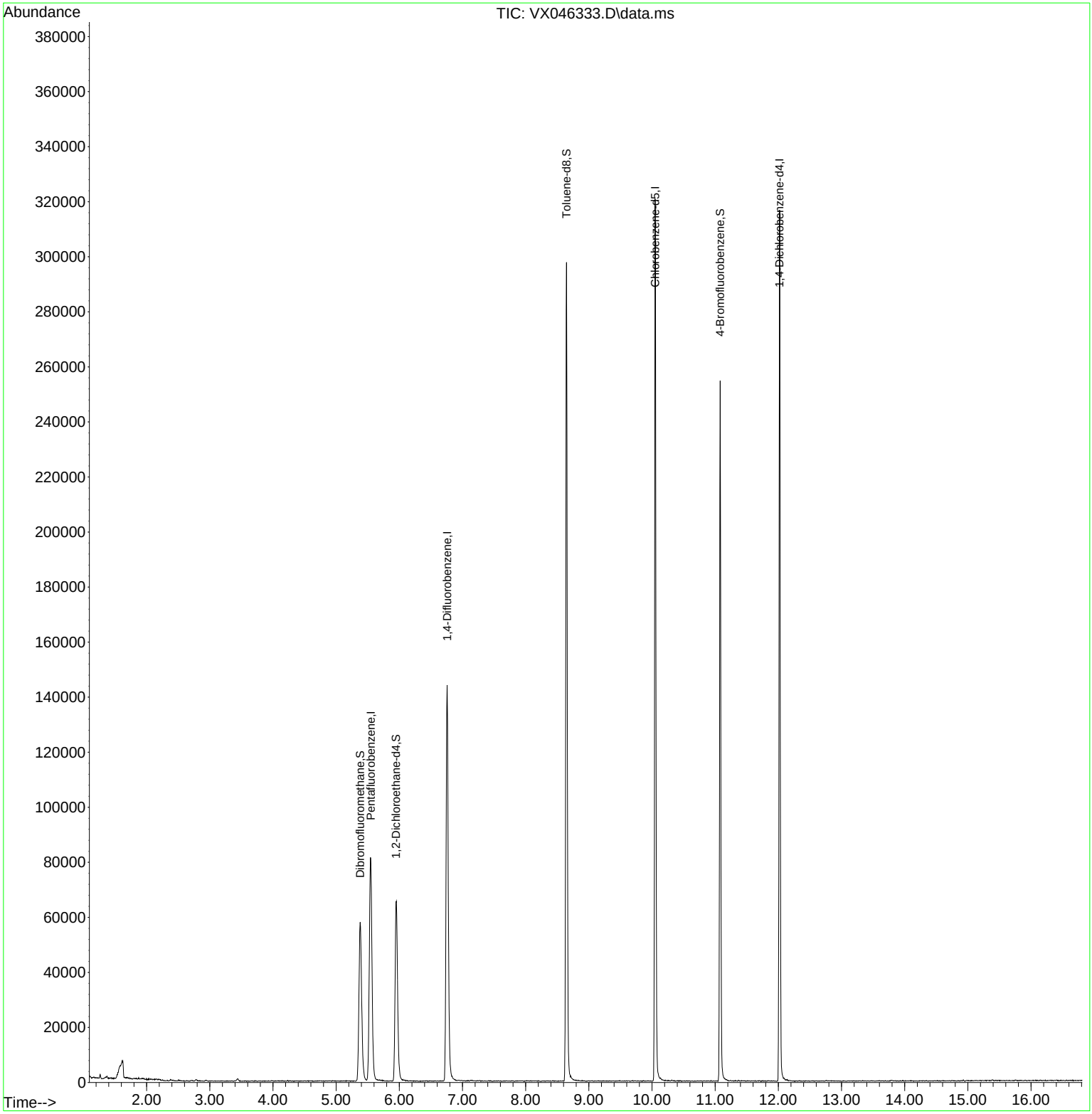
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 69169 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 136383 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 129888 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 57102 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 68649 | 53.236 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 106.480% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 51060 | 51.991 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 103.980% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 173751 | 51.115 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.240% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 67697 | 51.920 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 103.840% | | | |
| Target Compounds | | | | | | Qvalue |

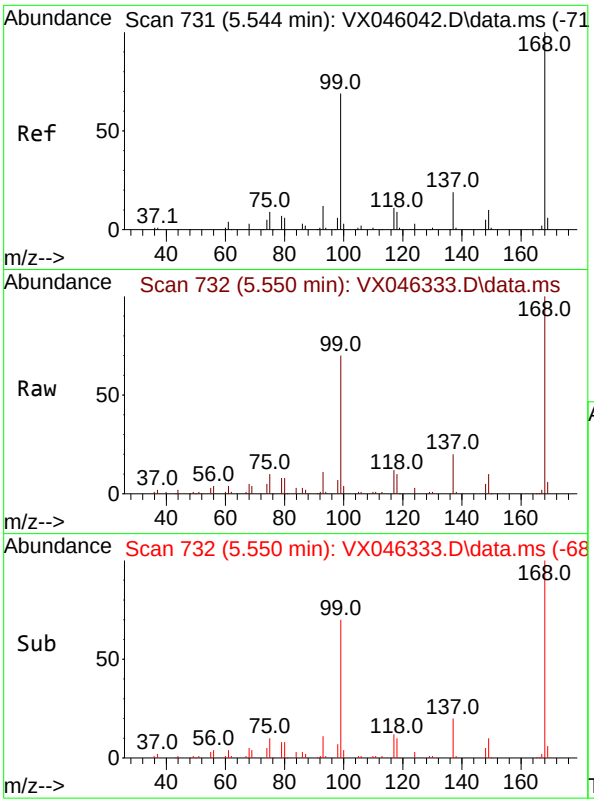
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046333.D
Acq On : 23 May 2025 10:16
Operator : JC/MD
Sample : VX0523WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBL01

Quant Time: May 23 22:57:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



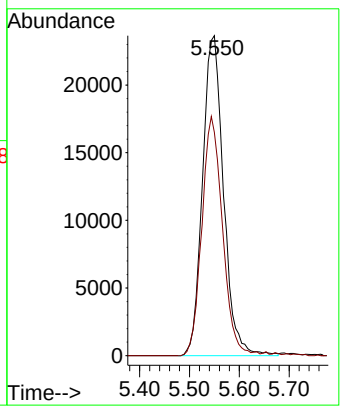


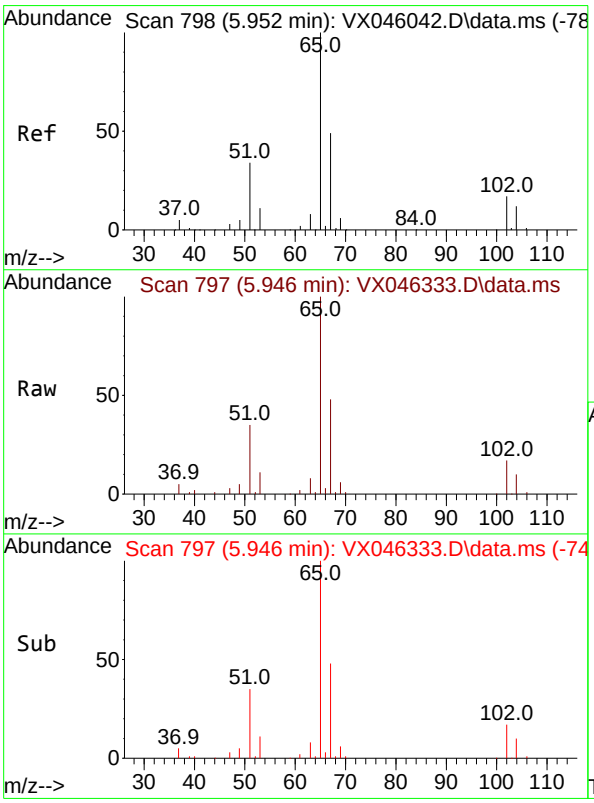

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046333.D
Acq: 23 May 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBL01

Tgt Ion:168 Resp: 69169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 69.8 | 54.9 | 82.3 |

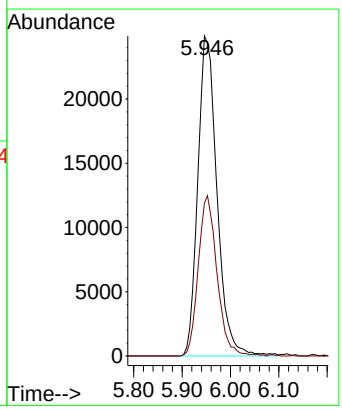


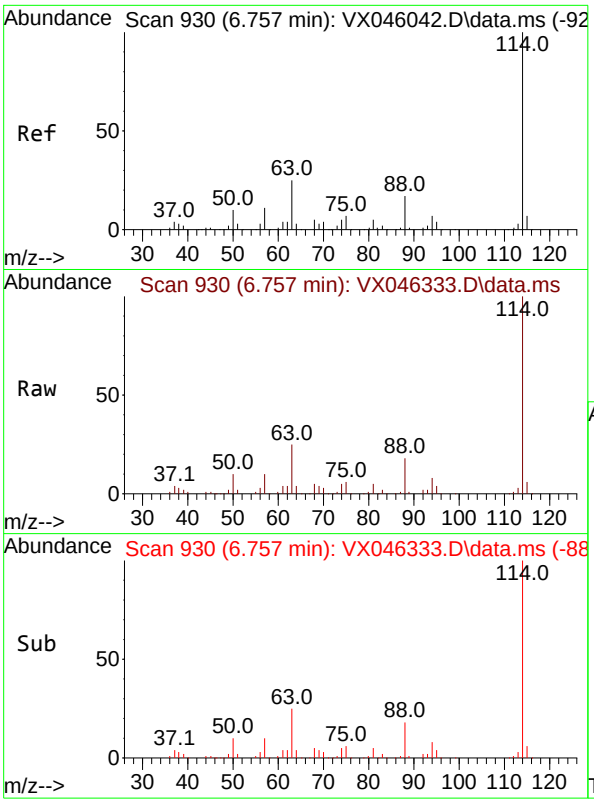




#33
1,2-Dichloroethane-d4
Concen: 53.236 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046333.D
Acq: 23 May 2025 10:16

Tgt Ion: 65 Resp: 68649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.0 | 0.0 | 99.0 |



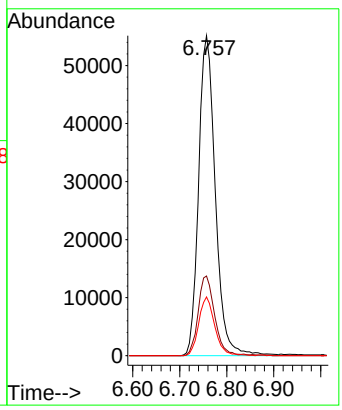


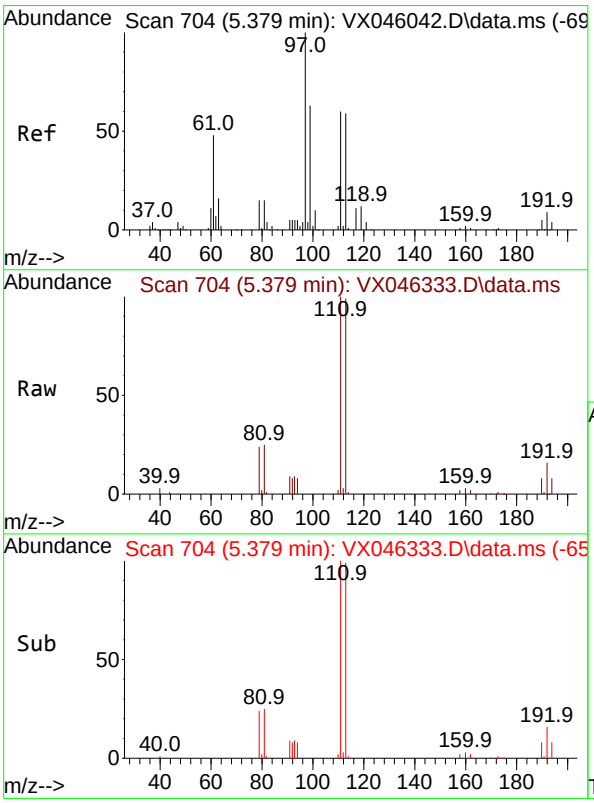

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046333.D
Acq: 23 May 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBL01

Tgt Ion:114 Resp: 136383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.9 | 0.0 | 49.2 |
| 88 | 18.4 | 0.0 | 33.6 |

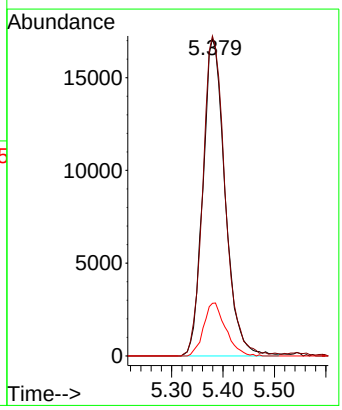


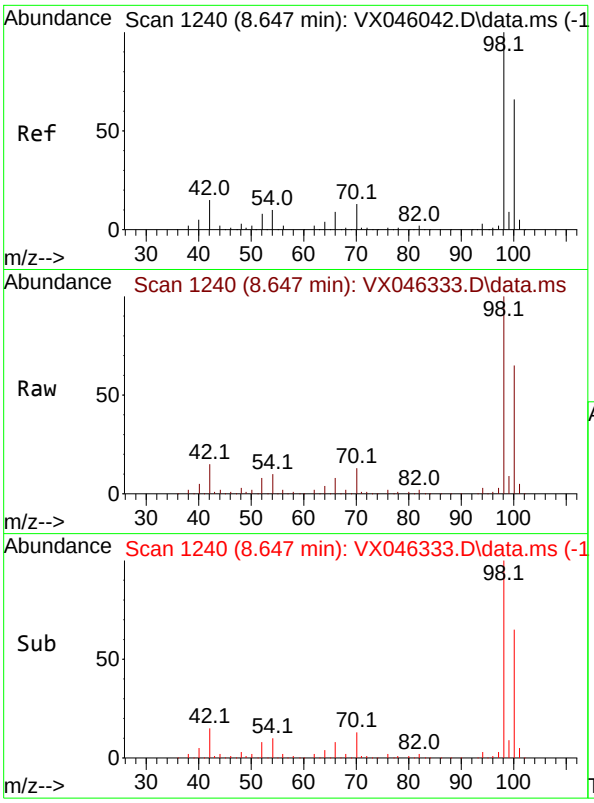




#35
Dibromofluoromethane
Concen: 51.991 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046333.D
Acq: 23 May 2025 10:16

Tgt Ion:113 Resp: 51060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.2 | 83.1 | 124.7 |
| 192 | 16.7 | 13.3 | 19.9 |



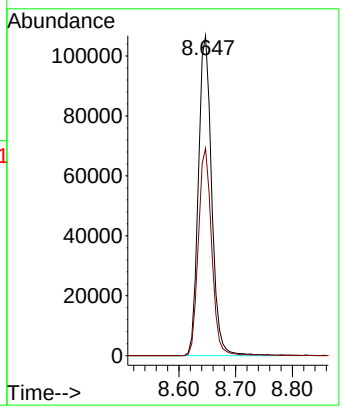


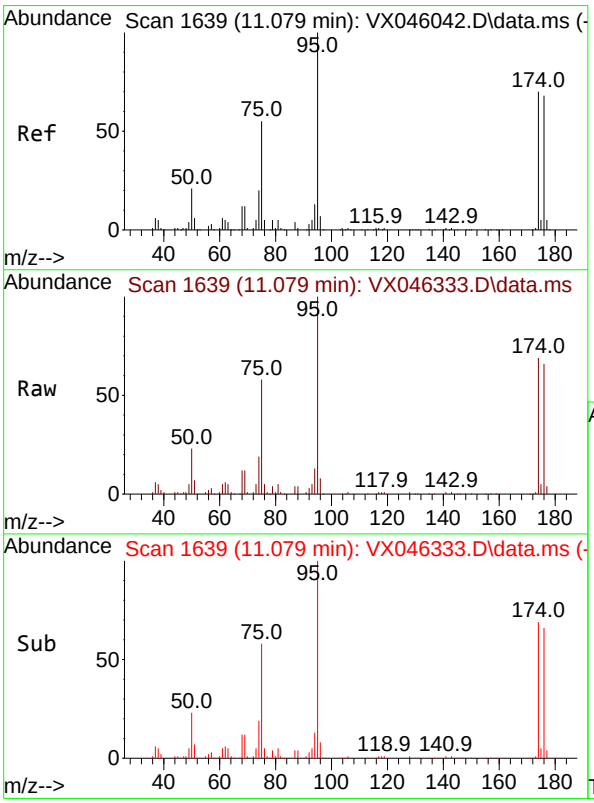

#50
Toluene-d8
Concen: 51.115 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046333.D
Acq: 23 May 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBL01

Tgt Ion: 98 Resp: 173751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 53.5 | 80.3 |

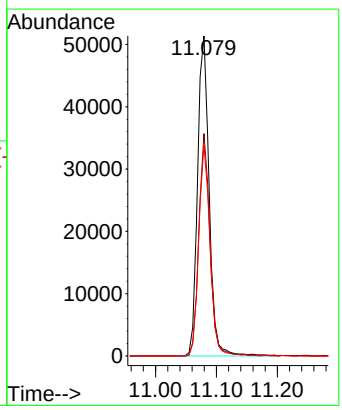


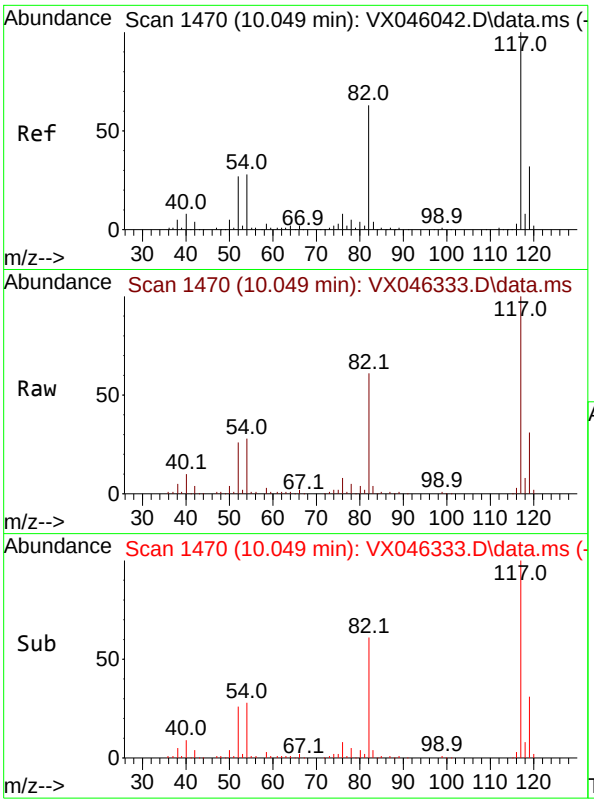




#62
4-Bromofluorobenzene
Concen: 51.920 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046333.D
Acq: 23 May 2025 10:16

Tgt Ion: 95 Resp: 67697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.1 | 0.0 | 135.8 |
| 176 | 64.3 | 0.0 | 131.4 |



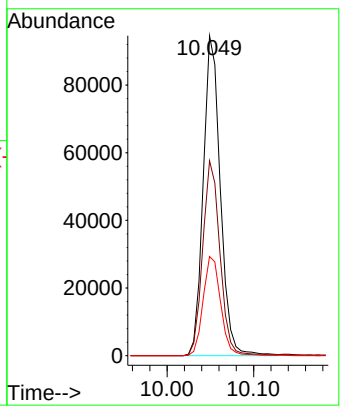


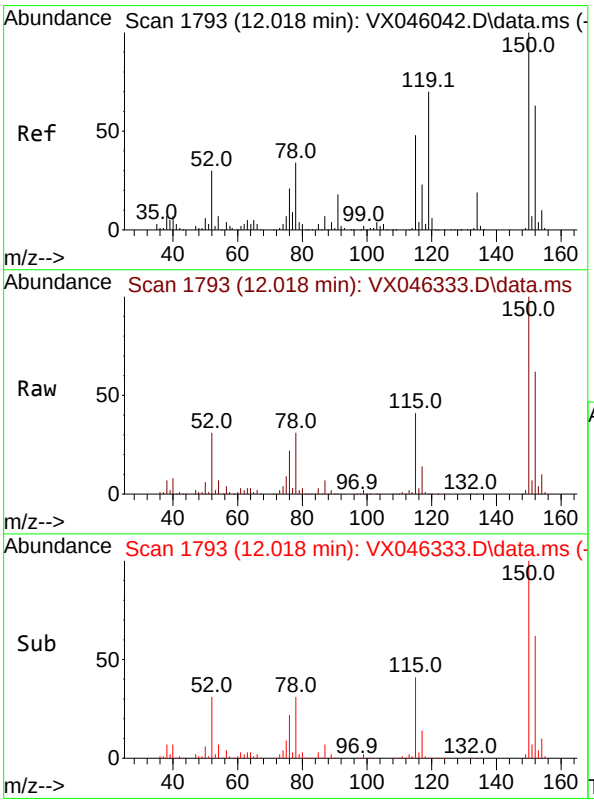

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046333.D
Acq: 23 May 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBL01

Tgt Ion:117 Resp: 129888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.9 | 50.6 | 76.0 |
| 119 | 31.0 | 25.8 | 38.6 |

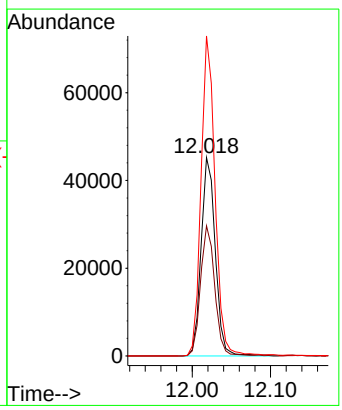



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046333.D
Acq: 23 May 2025 10:16

Tgt Ion:152 Resp: 57102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 65.8 | 46.9 | 140.7 |
| 150 | 158.9 | 0.0 | 351.0 |



Sample Results: **VX046333.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046333.D
Acq On : 23 May 2025 10:16
Operator : JC/MD
Sample : VX0523WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBL01

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\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046333.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.581 | 69 | 81 | 82 | rBV4 | 4710 | 12137 | 2.48% | 0.467% |
| 2 | 5.379 | 692 | 704 | 721 | rBV | 57790 | 172122 | 35.23% | 6.617% |
| 3 | 5.544 | 721 | 731 | 748 | rVV2 | 80958 | 233717 | 47.84% | 8.985% |
| 4 | 5.952 | 788 | 798 | 814 | rBV | 65357 | 179386 | 36.72% | 6.896% |
| 5 | 6.757 | 920 | 930 | 953 | rBV | 143790 | 350200 | 71.68% | 13.463% |
| 6 | 8.647 | 1233 | 1240 | 1261 | rBV | 297478 | 488572 | 100.00% | 18.783% |
| 7 | 10.049 | 1465 | 1470 | 1483 | rBV | 320340 | 442559 | 90.58% | 17.014% |
| 8 | 11.079 | 1634 | 1639 | 1649 | rBV | 254212 | 329326 | 67.41% | 12.661% |
| 9 | 12.018 | 1788 | 1793 | 1808 | rBV | 316423 | 393184 | 80.48% | 15.115% |

Sum of corrected areas: 2601203

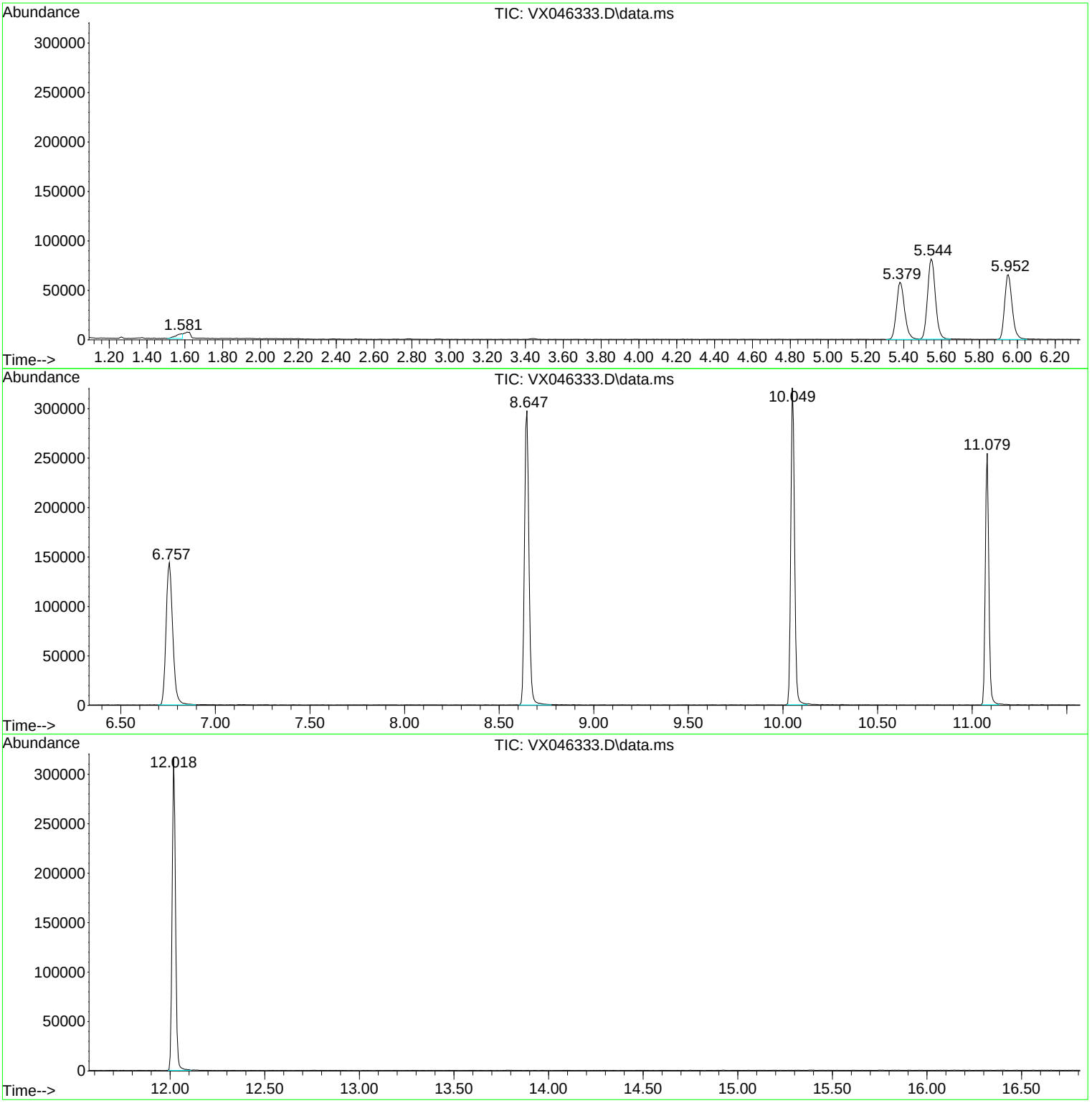
Sample Results: **VX046333.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046333.D
Acq On : 23 May 2025 10:16
Operator : JC/MD
Sample : VX0523WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX046333.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046333.D
Acq On : 23 May 2025 10:16
Operator : JC/MD
Sample : VX0523WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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\VX052325\
Data File : VX046333.D
Acq On : 23 May 2025 10:16
Operator : JC/MD
Sample : VX0523WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

Raw Data: **VX046334.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0523WBS01 | SDG No.: | Q2120 |
| Lab Sample ID: | VX0523WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046334.D | 1 | | 05/23/25 10:57 | VX052325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 18.7 | | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 17.8 | | 0.26 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 18.3 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 19.2 | | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 19.9 | | 0.33 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 20.1 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 19.3 | | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 100 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 15.4 | | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 20.7 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 18.6 | | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 19.0 | | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 20.3 | | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 110 | | 0.98 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 20.4 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 20.4 | | 0.19 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 21.0 | | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 20.4 | | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 18.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 20.3 | | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 20.7 | | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 19.8 | | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 21.1 | | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 20.8 | | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 110 | | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 20.4 | | 0.14 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 19.5 | | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 20.7 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 21.8 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 110 | | 0.89 | 2.50 | 5.00 | ug/L |

Raw Data: **VX046334.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0523WBS01 | SDG No.: | Q2120 |
| Lab Sample ID: | VX0523WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046334.D | 1 | | 05/23/25 10:57 | VX052325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 21.0 | | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 20.9 | | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 20.1 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 20.3 | | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 40.6 | | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 20.5 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 21.0 | | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 19.4 | | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 20.2 | | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.2 | | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 20.0 | | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 19.8 | | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 20.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.5 | | 81 - 118 | | 101% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 52.4 | | 80 - 119 | | 105% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.7 | | 89 - 112 | | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.4 | | 85 - 114 | | 103% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 88800 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 154000 | 6.751 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 135000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 65600 | 12.018 | | | | |

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

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

Sample Results: **VX046334.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046334.D
Acq On : 23 May 2025 10:57
Operator : JC/MD
Sample : VX0523WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 22:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 88801 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 154286 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 135355 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 65596 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 83672 | 50.541 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 101.080% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 58176 | 52.363 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.720% | | | |
| 50) Toluene-d8 | 8.641 | 98 | 194812 | 50.661 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.320% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 75851 | 51.423 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 102.840% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 26885 | 19.781 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 24599 | 18.663 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 21875 | 17.833 | ug/l | 99 |
| 5) Bromomethane | 1.599 | 94 | 10427 | 18.326 | ug/l | 95 |
| 6) Chloroethane | 1.672 | 64 | 12552 | 19.167 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.880 | 101 | 36086 | 19.905 | ug/l | 98 |
| 8) Diethyl Ether | 2.130 | 74 | 11857 | 19.212 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 22550 | 20.099 | ug/l | 99 |
| 10) Methyl Iodide | 2.447 | 142 | 23690 | 17.845 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.965 | 59 | 24727 | 106.404 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 20358 | 19.334 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 22886 | 86.476 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 40722 | 20.236 | ug/l | 98 |
| 15) Acrylonitrile | 3.056 | 53 | 69823 | 105.077 | ug/l | 98 |
| 16) Acetone | 2.380 | 43 | 66843 | 100.699 | ug/l | 100 |
| 17) Carbon Disulfide | 2.508 | 76 | 38442 | 15.399 | ug/l | 97 |
| 18) Methyl Acetate | 2.703 | 43 | 37888 | 24.597 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 76286 | 20.665 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 23645 | 18.588 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 20167 | 19.045 | ug/l | 97 |
| 22) Diisopropyl ether | 3.751 | 45 | 81936 | 21.078 | ug/l # | 82 |
| 23) Vinyl Acetate | 3.715 | 43 | 344264 | 100.693 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 43994 | 20.320 | ug/l | 98 |
| 25) 2-Butanone | 4.550 | 43 | 101247 | 105.062 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 32985 | 19.464 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 26053 | 20.438 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 23073 | 22.139 | ug/l | 95 |
| 29) Tetrahydrofuran | 5.001 | 42 | 64602 | 106.980 | ug/l | 98 |
| 30) Chloroform | 5.086 | 83 | 47289 | 20.955 | ug/l | 95 |
| 31) Cyclohexane | 5.458 | 56 | 37029 | 18.768 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 39986 | 20.440 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 28160 | 18.864 | ug/l | 97 |
| 37) Ethyl Acetate | 4.708 | 43 | 37243 | 20.193 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 34138 | 20.354 | ug/l | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 35346 | 18.392 | ug/l | 95 |
| 40) Benzene | 6.031 | 78 | 88565 | 20.255 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046334.D
Acq On : 23 May 2025 10:57
Operator : JC/MD
Sample : VX0523WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 22:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 21949 | 22.750 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 39039 | 20.687 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.336 | 43 | 58465 | 20.779 | ug/l | | 98 |
| 44) Trichloroethene | 7.116 | 130 | 20856 | 19.818 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 22887 | 21.051 | ug/l | | 95 |
| 46) Dibromomethane | 7.574 | 93 | 17401 | 20.292 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 35210 | 20.847 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.690 | 41 | 30700 | 21.365 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 11623 | 426.008 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.567 | 43 | 204759 | 109.635 | ug/l | | 98 |
| 52) Toluene | 8.714 | 92 | 54660 | 20.387 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 29346 | 19.548 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 34425 | 20.748 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 23071 | 21.823 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.110 | 69 | 35941 | 21.331 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 38963 | 20.522 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 92851 | 108.093 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 150965 | 109.257 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.518 | 129 | 24359 | 20.981 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 22797 | 20.748 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 19995 | 20.878 | ug/l | | 94 |
| 65) Chlorobenzene | 10.073 | 112 | 59694 | 20.149 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 20790 | 20.551 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 105906 | 20.280 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 77627 | 40.642 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 38262 | 20.548 | ug/l | | 96 |
| 70) Styrene | 10.652 | 104 | 63992 | 20.979 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 14711 | 19.369 | ug/l | # | 97 |
| 73) Isopropylbenzene | 10.957 | 105 | 103395 | 20.246 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 50382 | 19.965 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 36107 | 20.176 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 31390m | 19.881 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 23688 | 19.979 | ug/l | | 100 |
| 78) n-propylbenzene | 11.299 | 91 | 120436 | 20.282 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 76565 | 19.991 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 88181 | 20.669 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 9236 | 19.044 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 86969 | 20.476 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 86219 | 20.063 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 88916 | 20.580 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 108908 | 20.640 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 88860 | 20.402 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 43379 | 20.048 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 43812 | 19.826 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 76398 | 19.997 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 14567 | 18.984 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 44827 | 20.645 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 8025 | 20.242 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 24140 | 19.356 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 11016 | 20.225 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 87267 | 19.079 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 24990 | 19.420 | ug/l | | 98 |

Sample Results: **VX046334.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046334.D
Acq On : 23 May 2025 10:57
Operator : JC/MD
Sample : VX0523WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 22:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

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

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

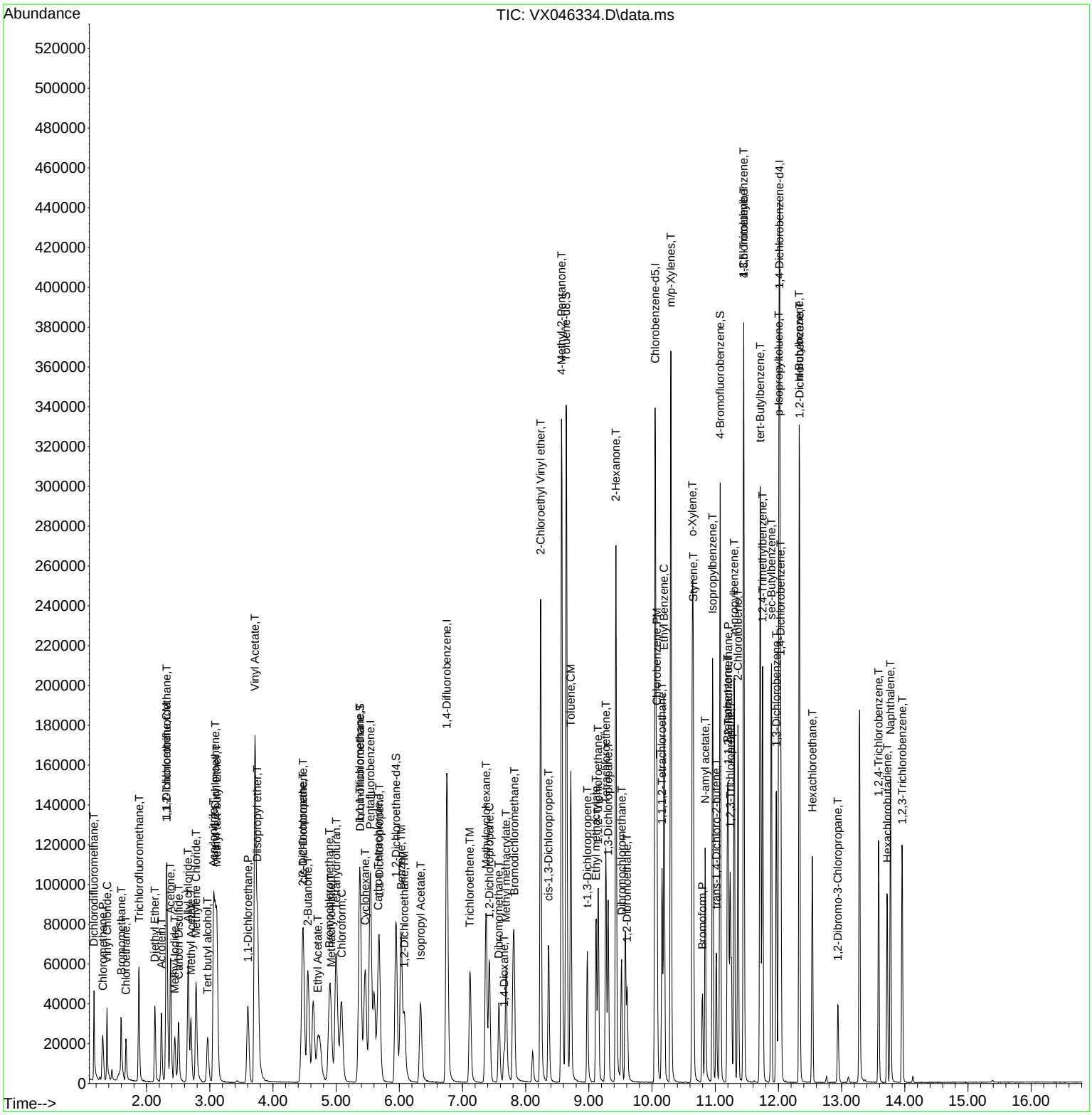
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Data File : VX046334.D
Acq On : 23 May 2025 10:57
Operator : JC/MD
Sample : VX0523WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

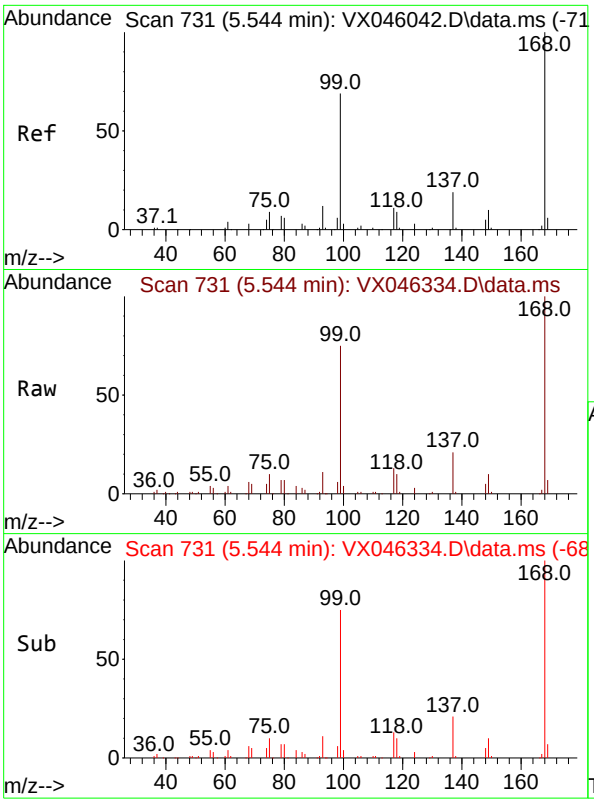
Quant Time: May 23 22:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

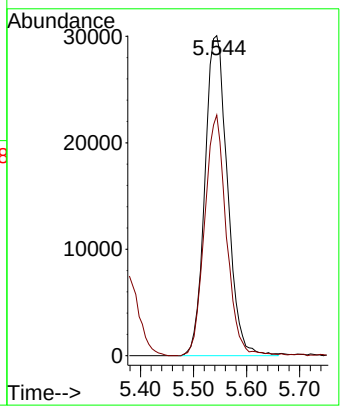





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:168 Resp: 8880

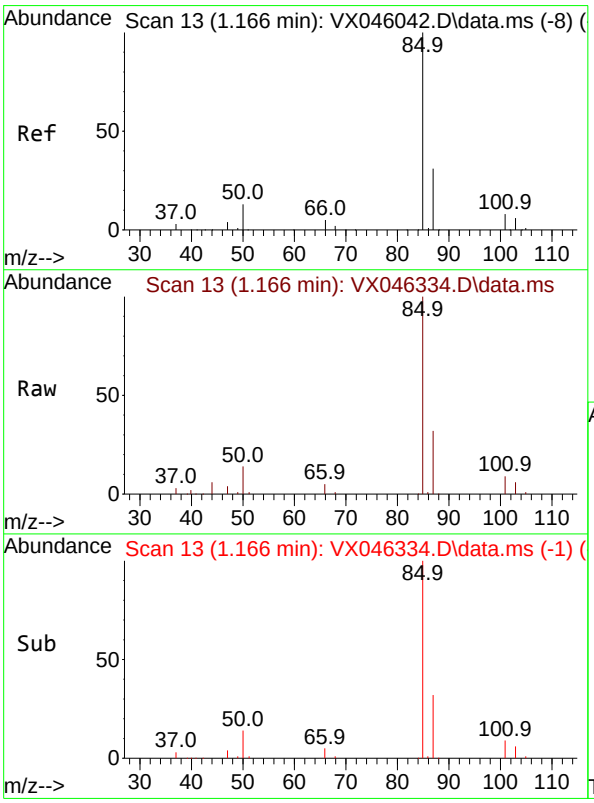
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 75.2 | 54.9 | 82.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

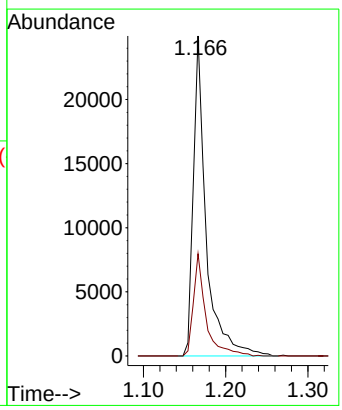
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

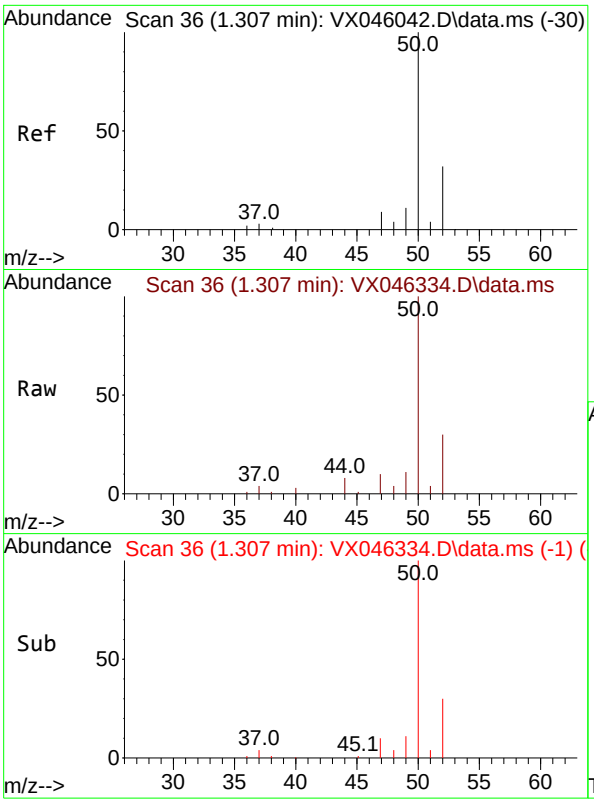



#2
Dichlorodifluoromethane
Concen: 19.781 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 85 Resp: 26885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.0 | 15.7 | 47.1 |

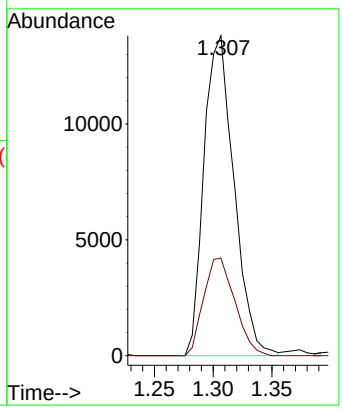





#3
Chloromethane
Concen: 18.663 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 50 Resp: 2459

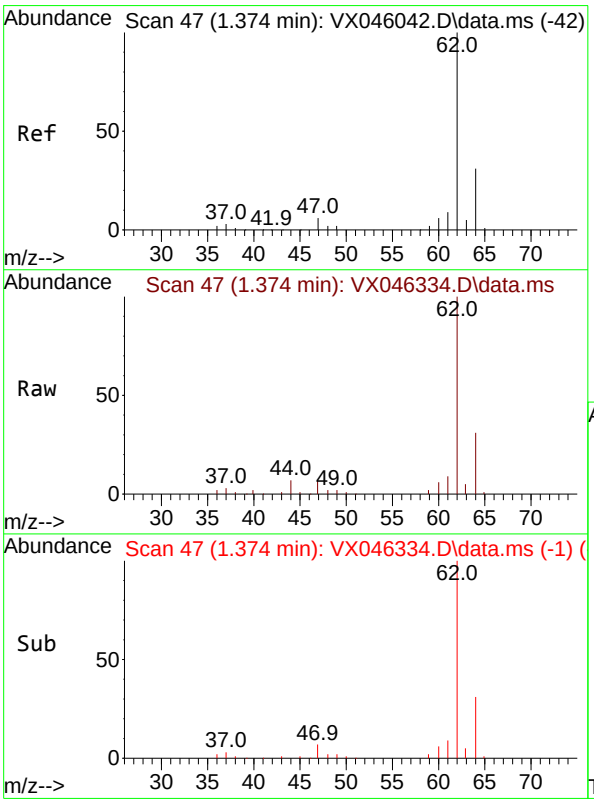
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.5 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

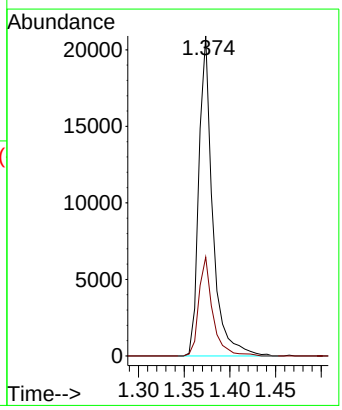
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

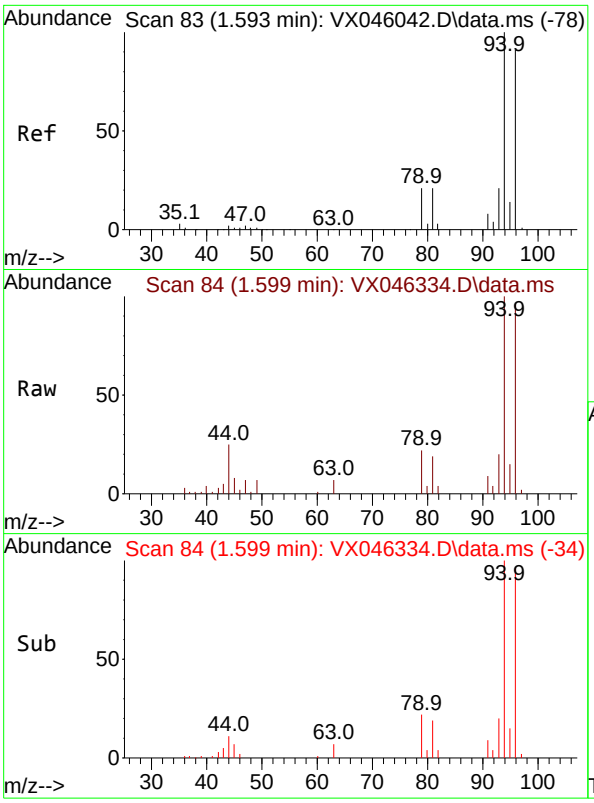



#4
Vinyl Chloride
Concen: 17.833 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 62 Resp: 21875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.9 | 25.2 | 37.8 |






#5
Bromomethane
Concen: 18.326 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

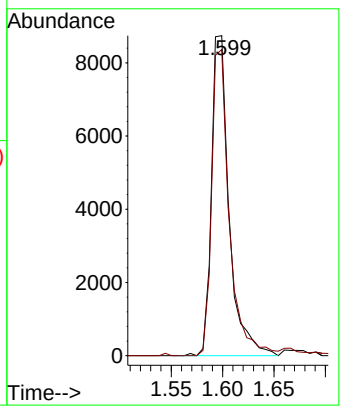
Tgt Ion: 94 Resp: 1042

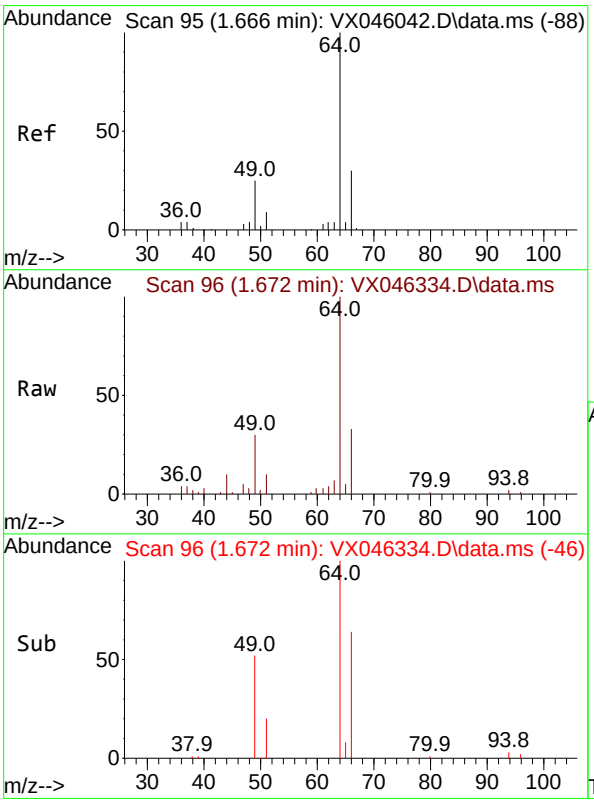
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.6 | 72.8 | 109.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

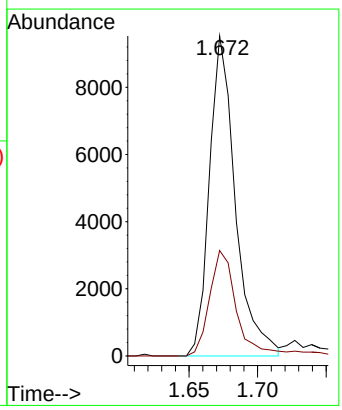


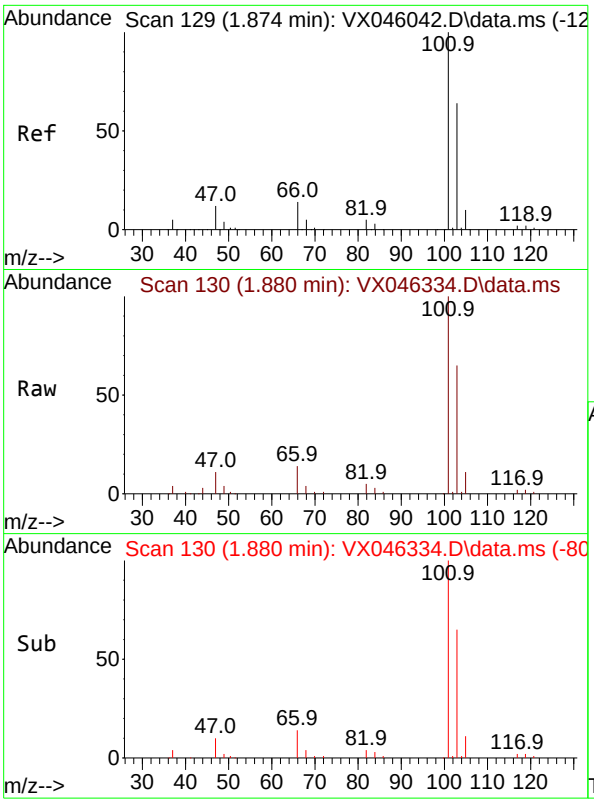




#6
Chloroethane
Concen: 19.167 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 64 Resp: 12552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.9 | 24.3 | 36.5 |

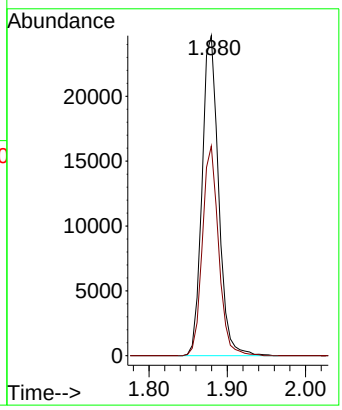





#7
Trichlorofluoromethane
Concen: 19.905 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:101 Resp: 3608

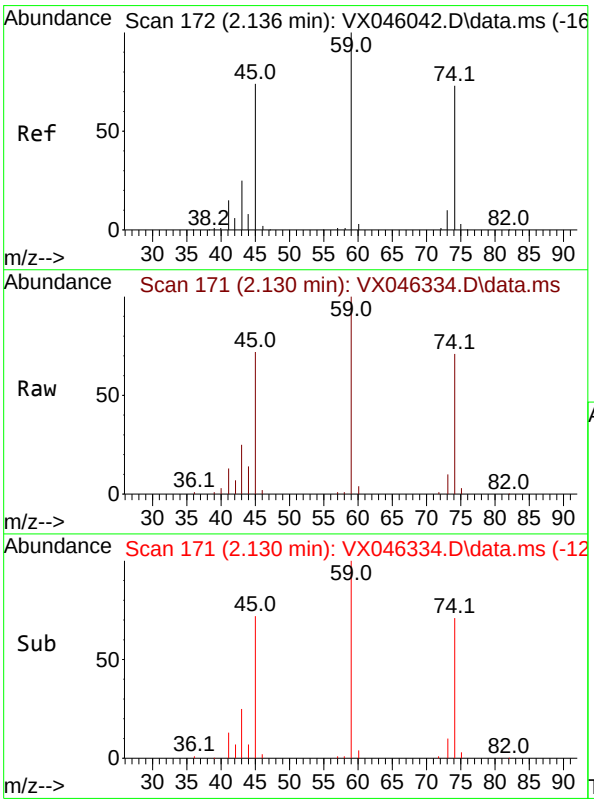
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 51.0 | 76.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

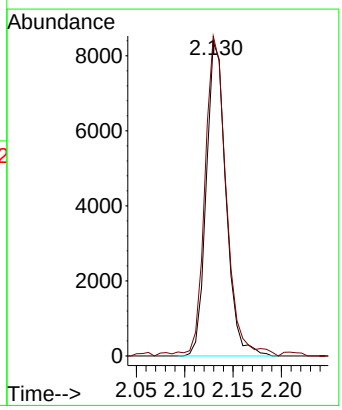
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

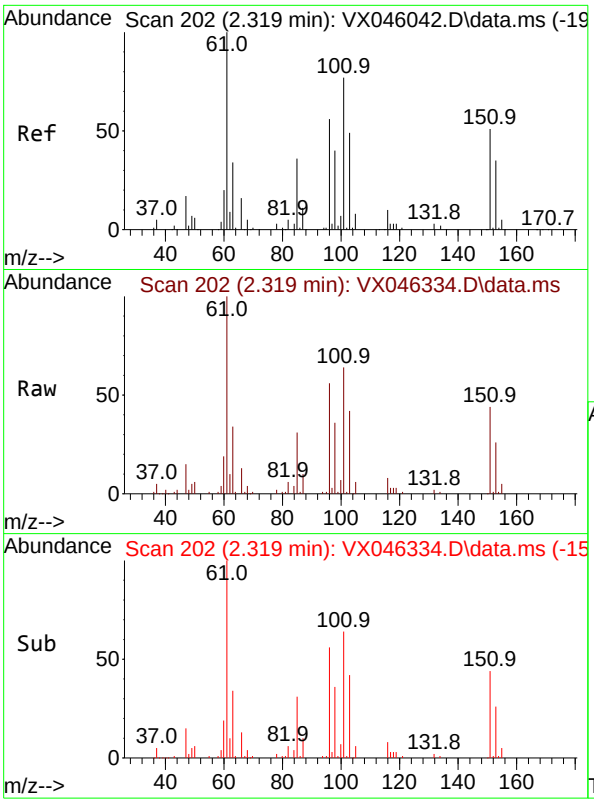



#8
Diethyl Ether
Concen: 19.212 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 74 Resp: 11857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 109.9 | 54.9 | 164.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.099 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

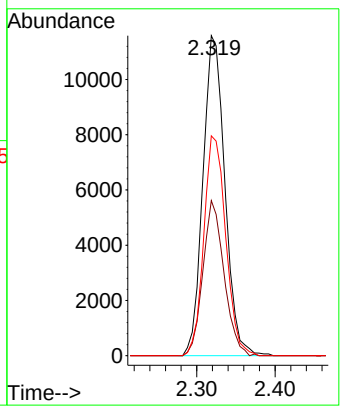
Tgt Ion:101 Resp: 2255

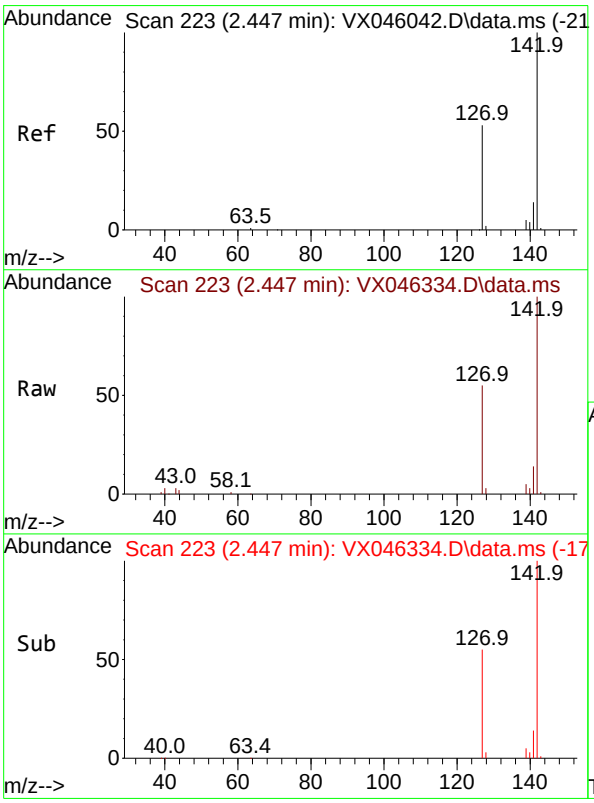
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.6 | 38.6 | 58.0 |
| 151 | 68.6 | 55.2 | 82.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

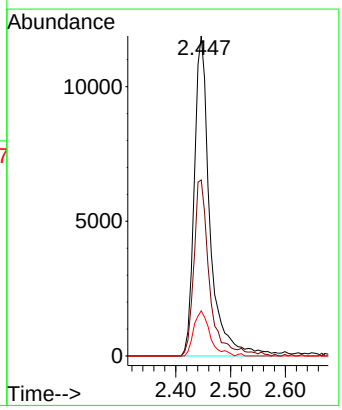


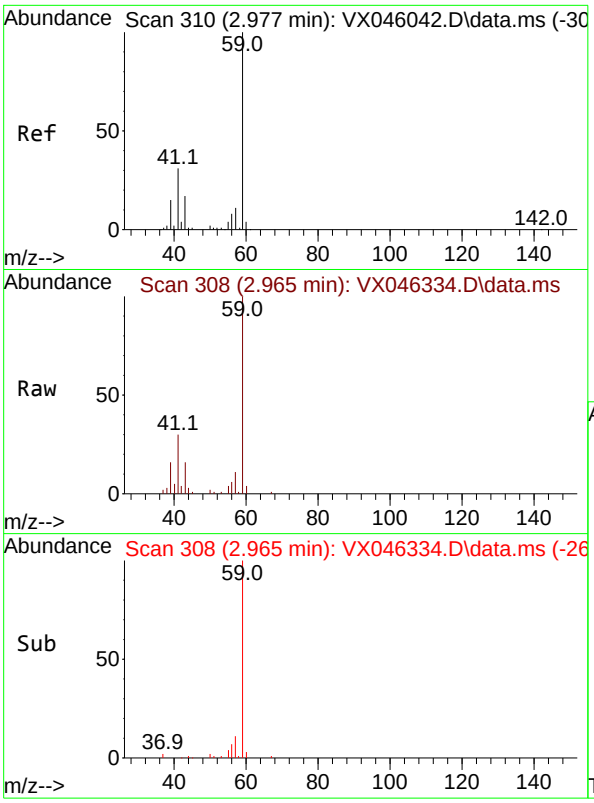




#10
Methyl Iodide
Concen: 17.845 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:142 Resp: 23690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 55.0 | 41.7 | 62.5 |
| 141 | 14.6 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 106.404 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

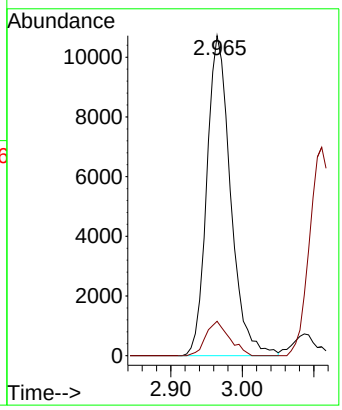
Tgt Ion: 59 Resp: 2472

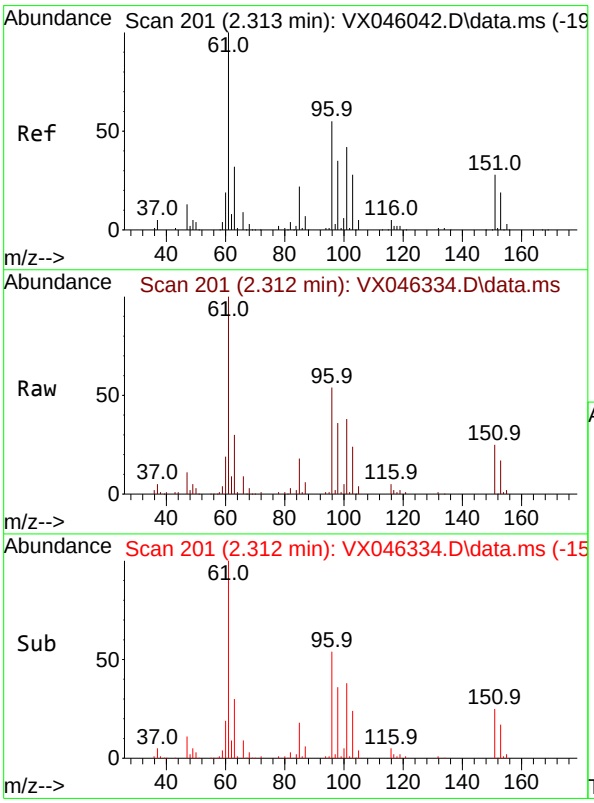
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 8.6 | 12.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

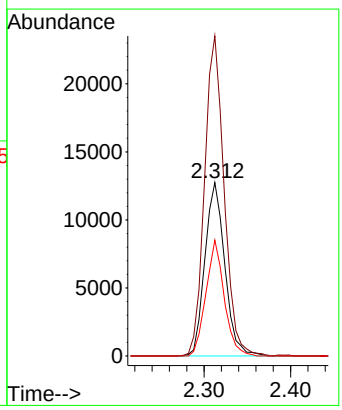


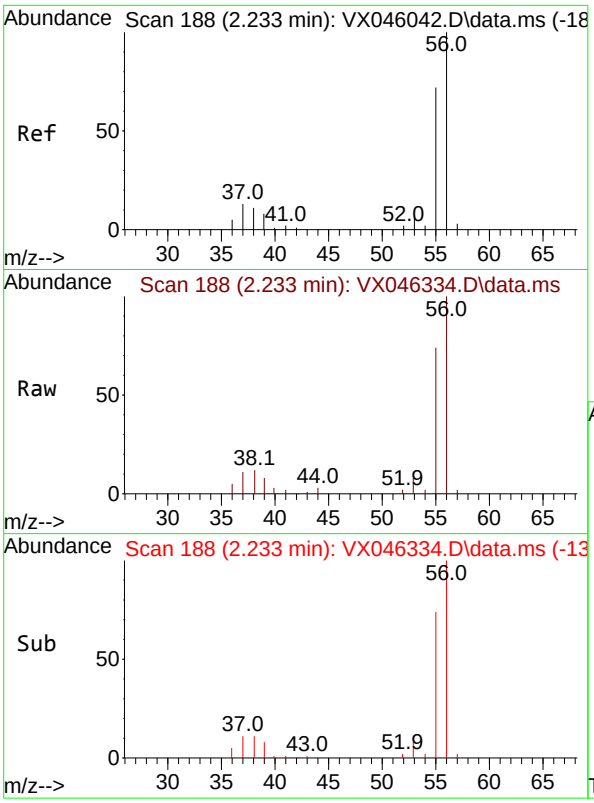




#12
1,1-Dichloroethene
Concen: 19.334 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 96 Resp: 20358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 184.5 | 146.2 | 219.2 |
| 98 | 66.8 | 51.0 | 76.6 |

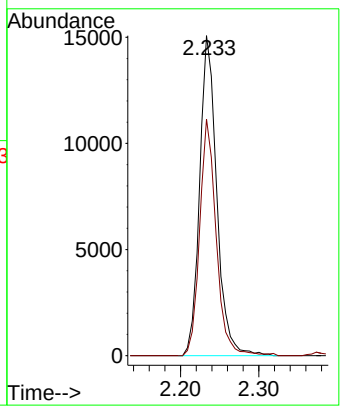





#13
Acrolein
Concen: 86.476 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 56 Resp: 2288

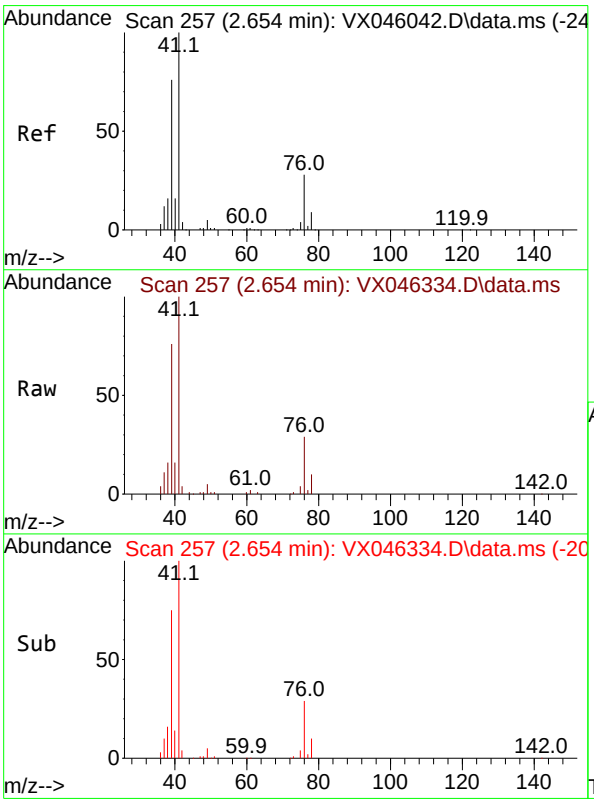
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.5 | 56.2 | 84.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

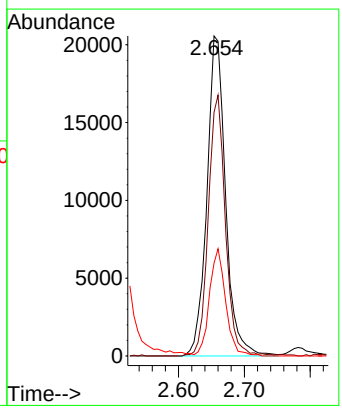
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

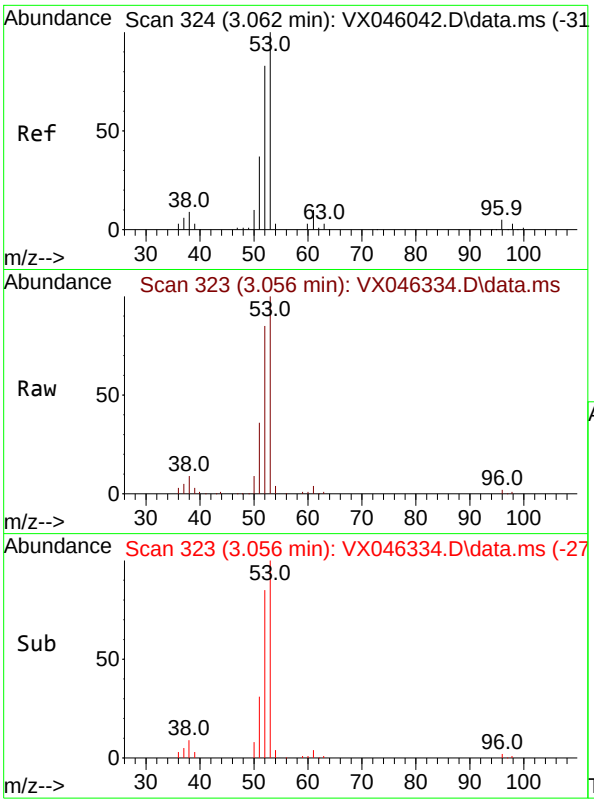



#14
Allyl chloride
Concen: 20.236 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 41 Resp: 40722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.6 | 60.6 | 90.8 |
| 76 | 29.0 | 24.9 | 37.3 |

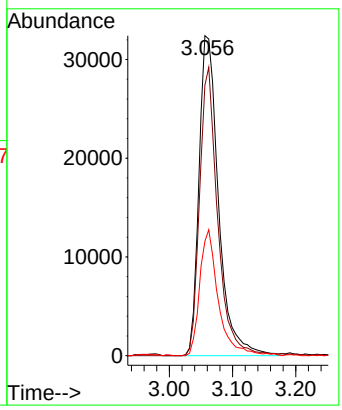





#15
Acrylonitrile
Concen: 105.077 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 53 Resp: 6982

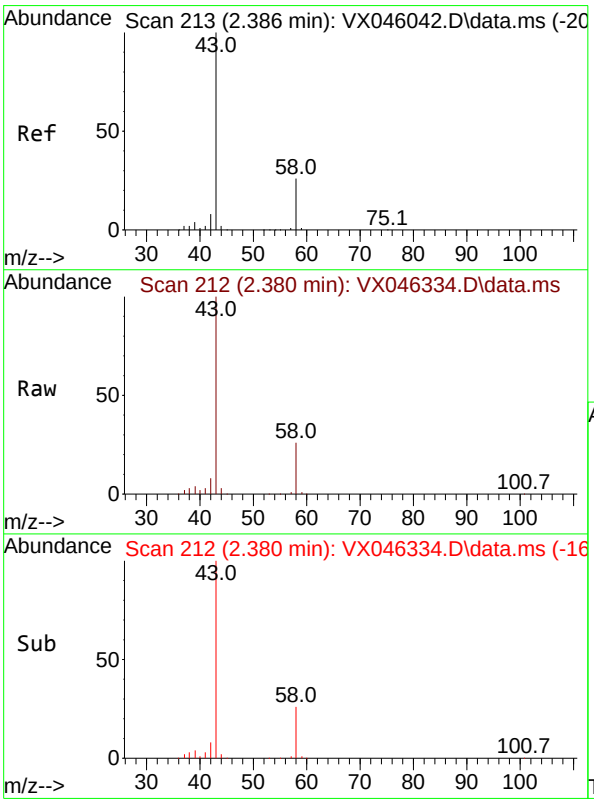
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 65.3 | 97.9 |
| 51 | 37.5 | 29.8 | 44.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

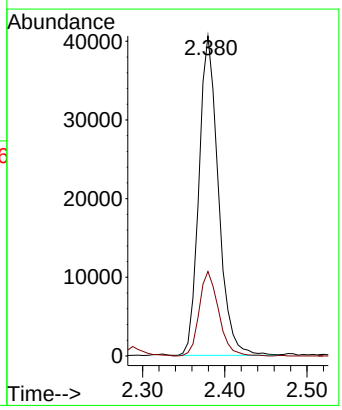
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

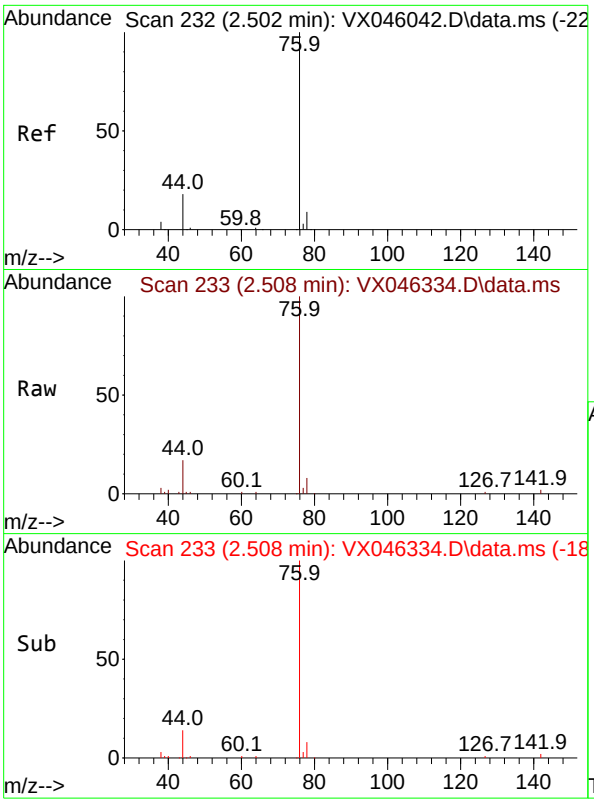



#16
Acetone
Concen: 100.699 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 43 Resp: 66843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.4 | 21.2 | 31.8 |






#17
Carbon Disulfide
Concen: 15.399 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

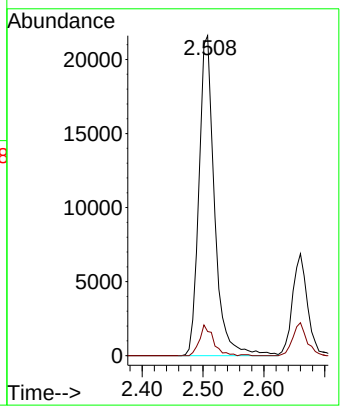
Tgt Ion: 76 Resp: 3844

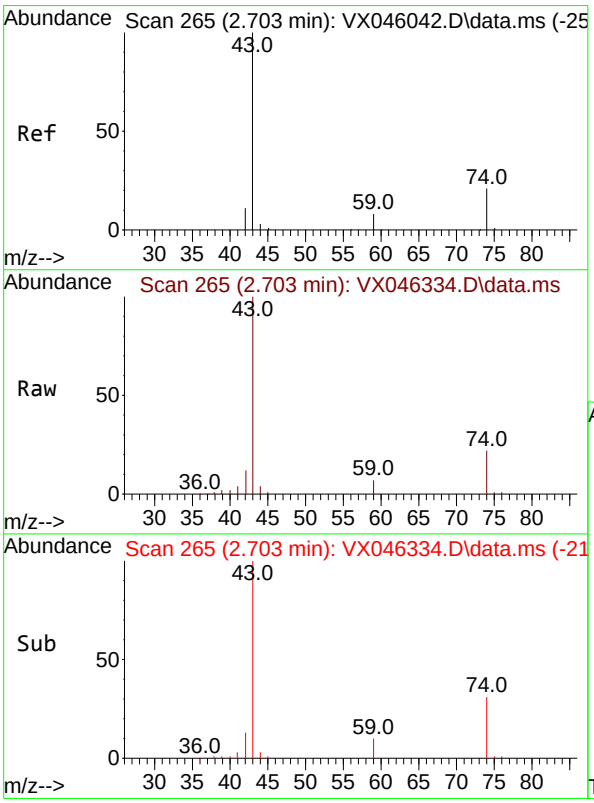
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 7.5 | 7.0 | 10.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

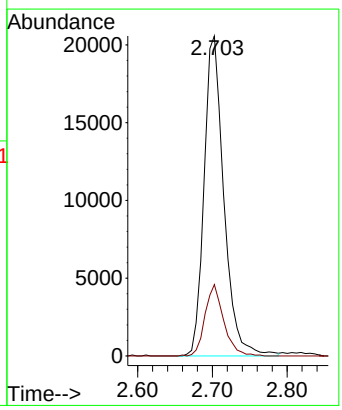


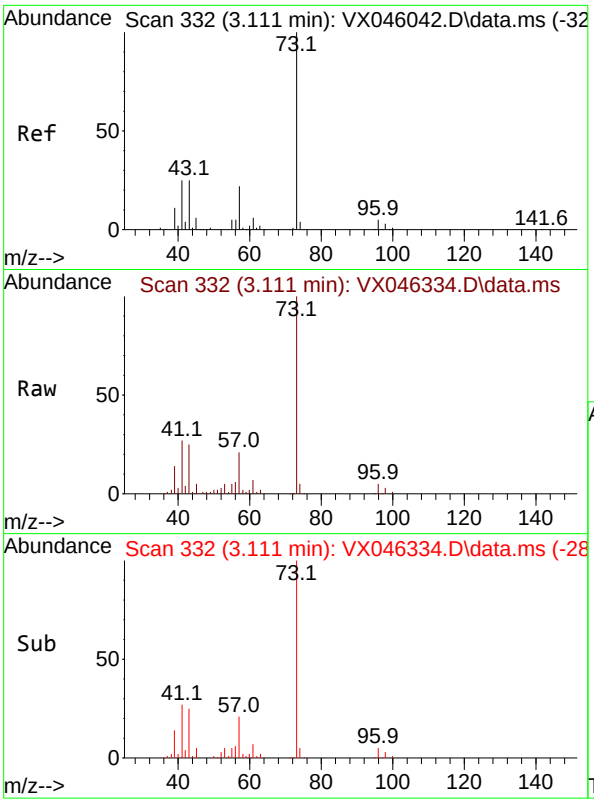




#18
Methyl Acetate
Concen: 24.597 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 43 Resp: 37888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.1 | 16.7 | 25.1 |

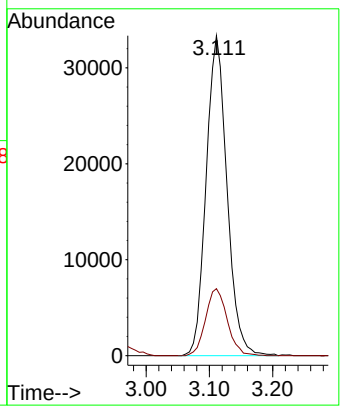





#19
Methyl tert-butyl Ether
Concen: 20.665 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 73 Resp: 7628

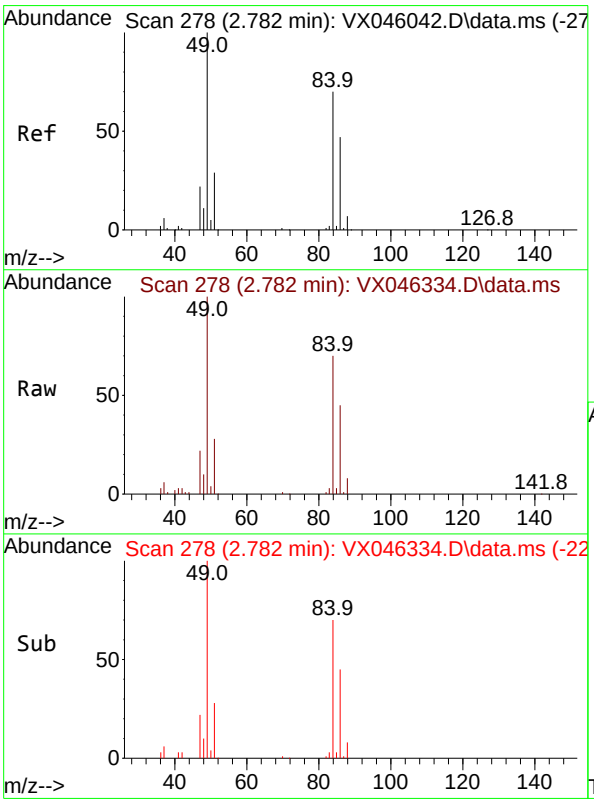
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.0 | 17.7 | 26.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

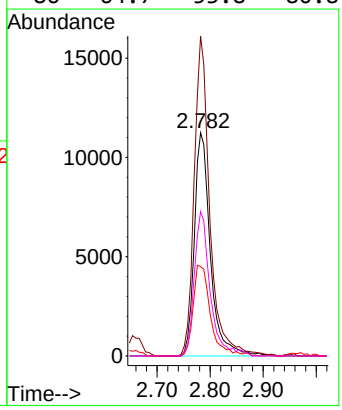
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

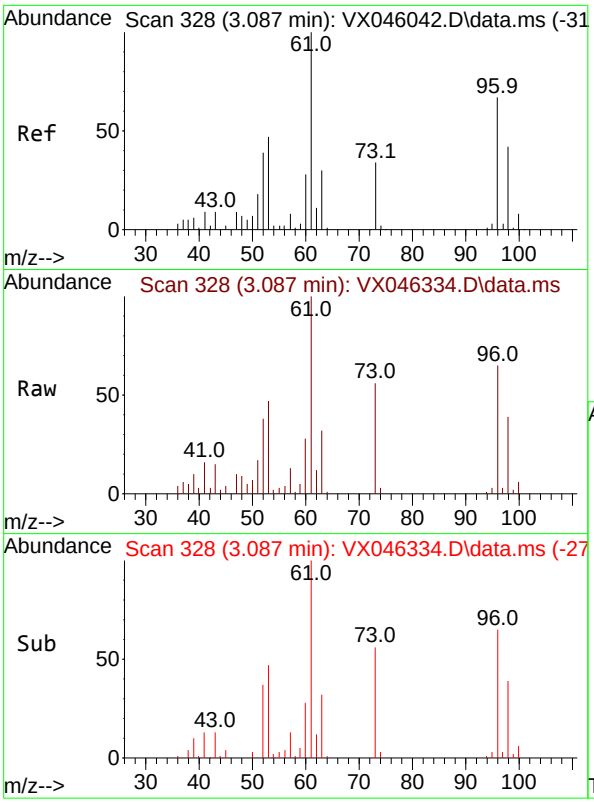



#20
Methylene Chloride
Concen: 18.588 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 84 Resp: 23645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 143.3 | 113.9 | 170.9 |
| 51 | 40.0 | 33.5 | 50.3 |
| 86 | 64.7 | 53.8 | 80.8 |

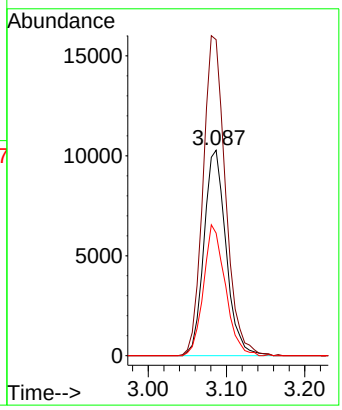





#21
trans-1,2-Dichloroethene
Concen: 19.045 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 96 Resp: 2016

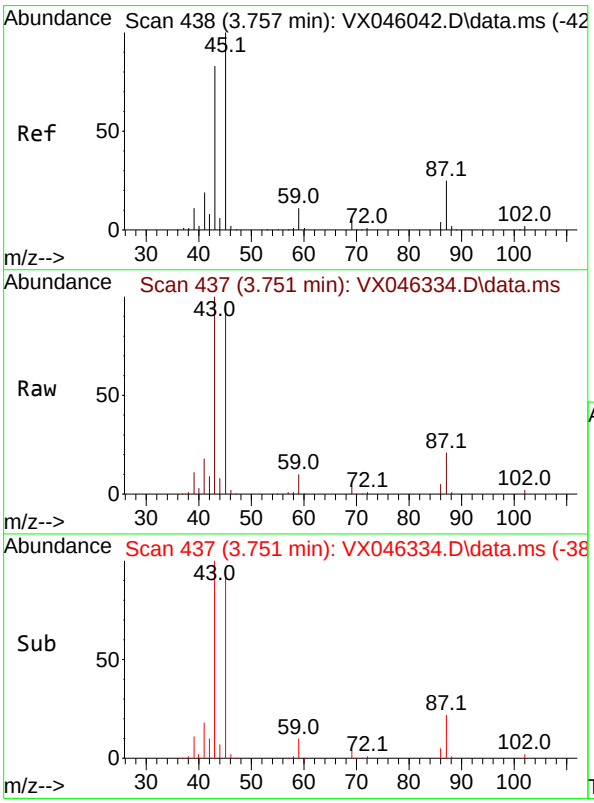
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 153.7 | 119.5 | 179.3 |
| 98 | 59.7 | 50.0 | 75.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

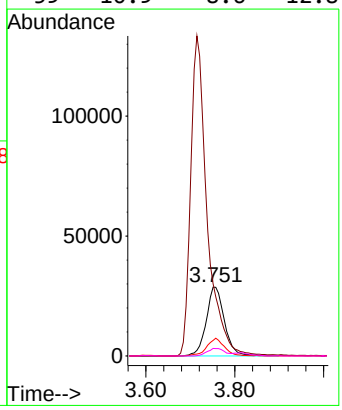
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

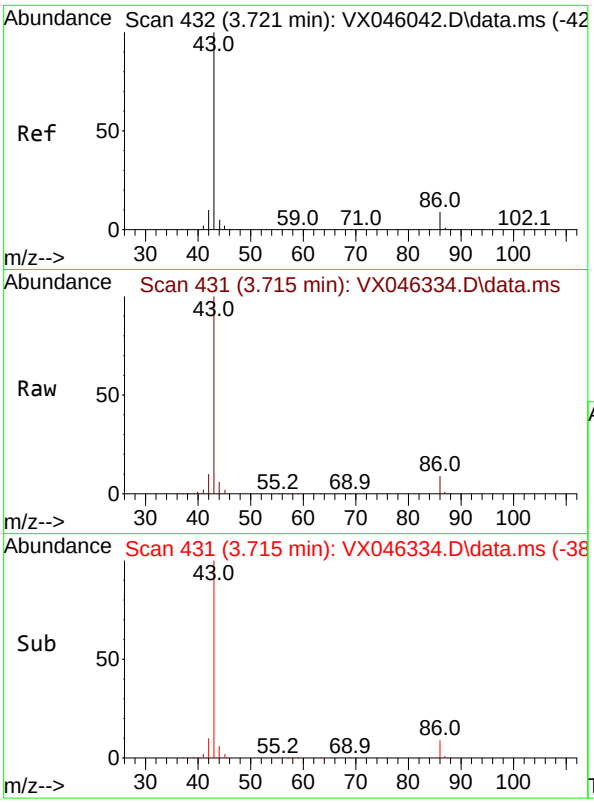



#22
Diisopropyl ether
Concen: 21.078 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 45 Resp: 81936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 104.7 | 66.6 | 100.0# |
| 87 | 22.6 | 19.8 | 29.6 |
| 59 | 10.9 | 8.6 | 12.8 |






#23
Vinyl Acetate
Concen: 100.693 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

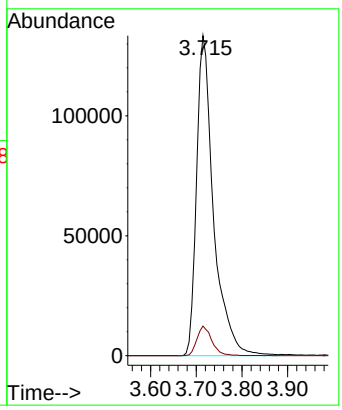
Tgt Ion: 43 Resp: 34426

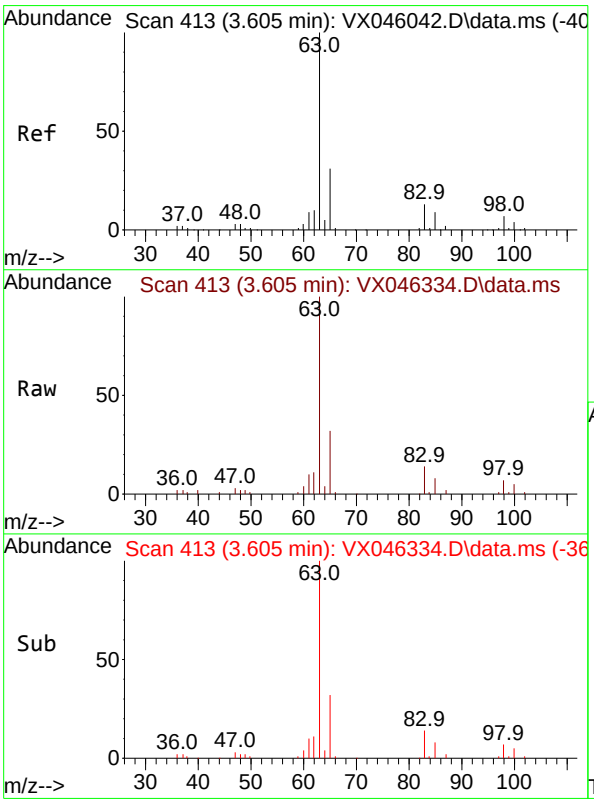
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.3 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

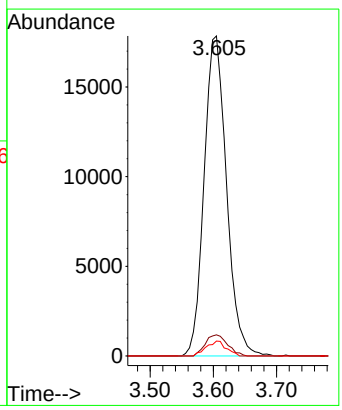


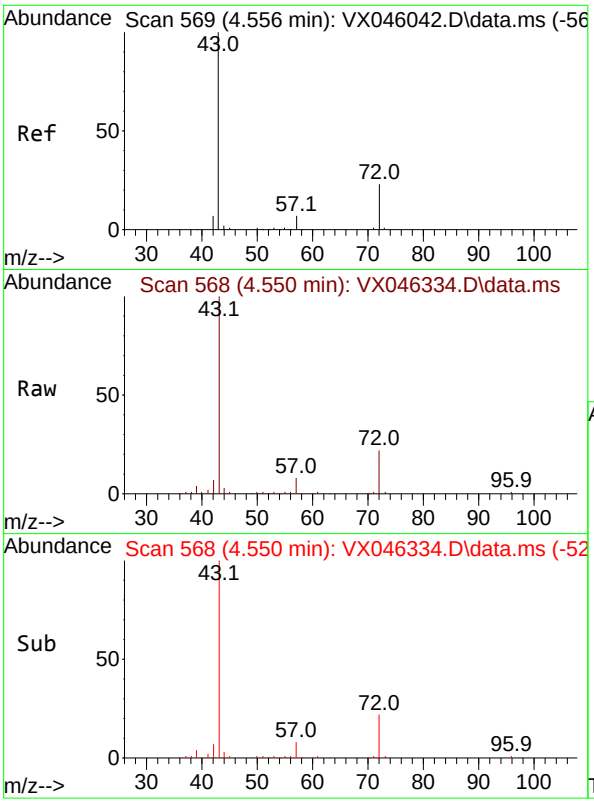




#24
1,1-Dichloroethane
Concen: 20.320 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 63 Resp: 43994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.6 | 3.6 | 10.8 |
| 100 | 4.7 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 105.062 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

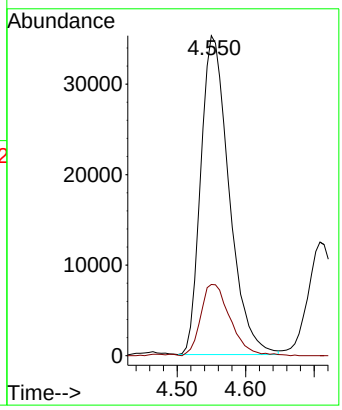
Tgt Ion: 43 Resp: 10124

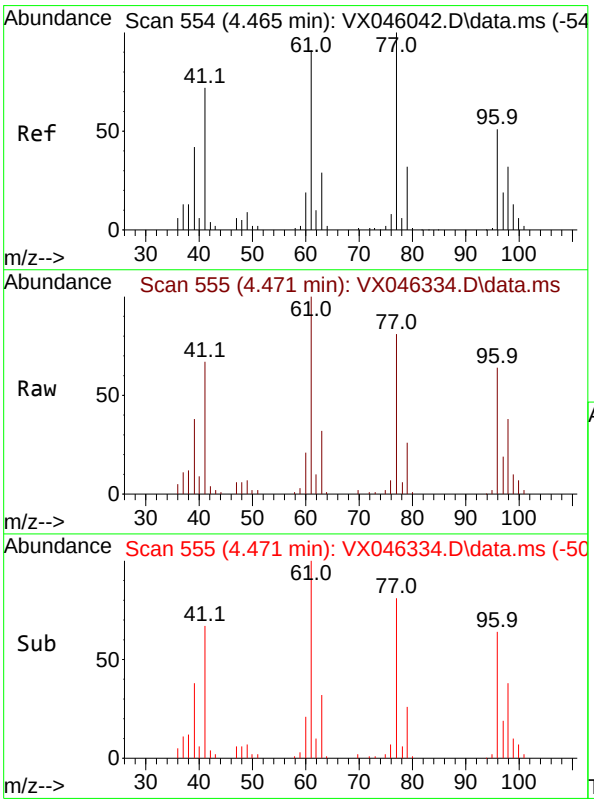
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.2 | 18.4 | 27.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

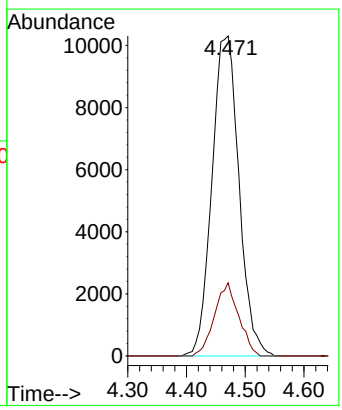


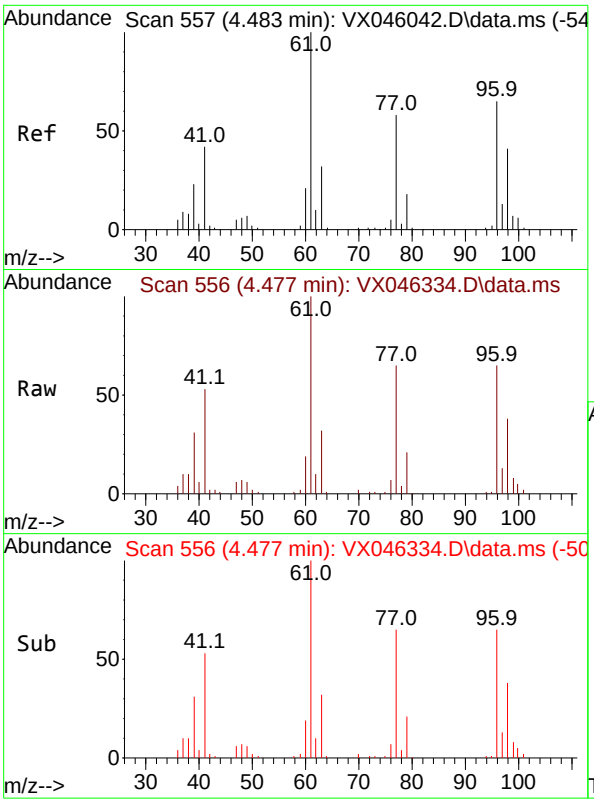




#26
2,2-Dichloropropane
Concen: 19.464 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 77 Resp: 32985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 20.5 | 10.5 | 31.5 |






#27
cis-1,2-Dichloroethene
Concen: 20.438 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

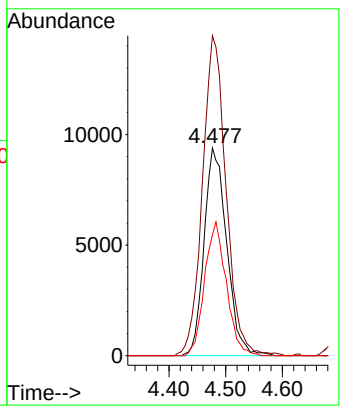
Tgt Ion: 96 Resp: 2605

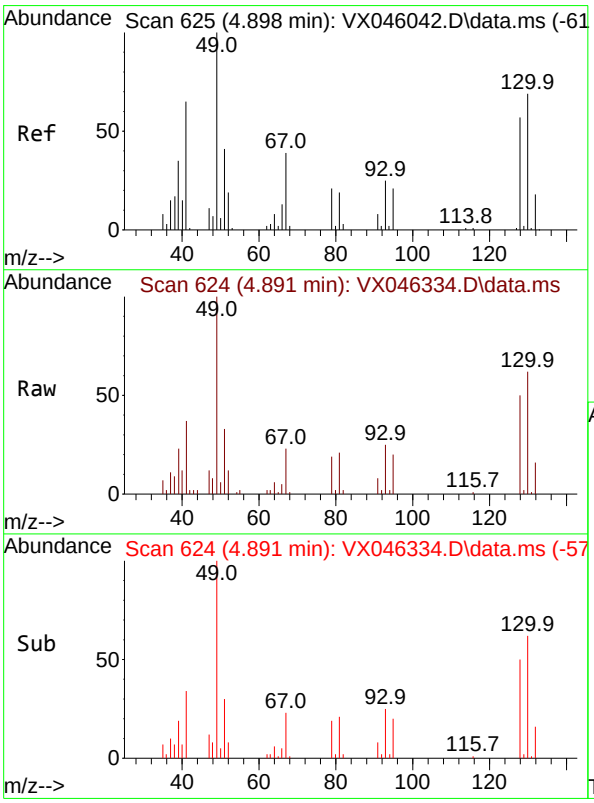
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.6 | 0.0 | 322.8 |
| 98 | 61.7 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

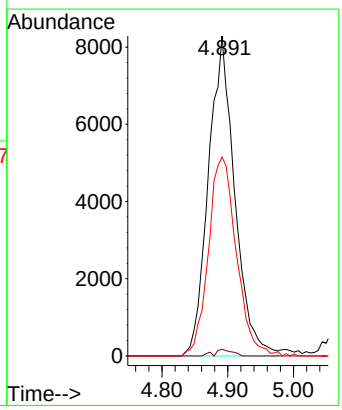


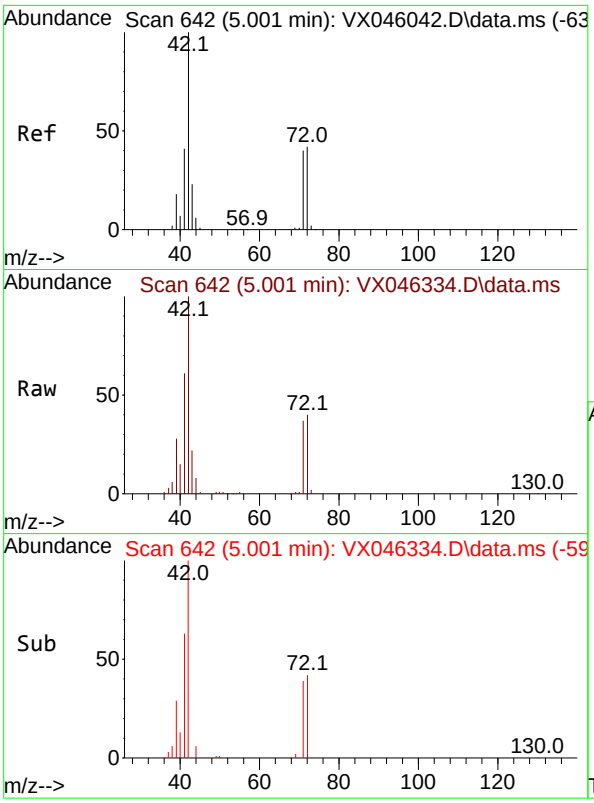




#28
Bromochloromethane
Concen: 22.139 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 49 Resp: 23073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.4 | 0.0 | 4.0 |
| 130 | 66.2 | 56.2 | 84.2 |






#29
Tetrahydrofuran
Concen: 106.980 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

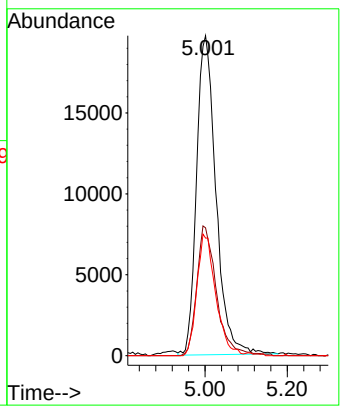
Tgt Ion: 42 Resp: 6460

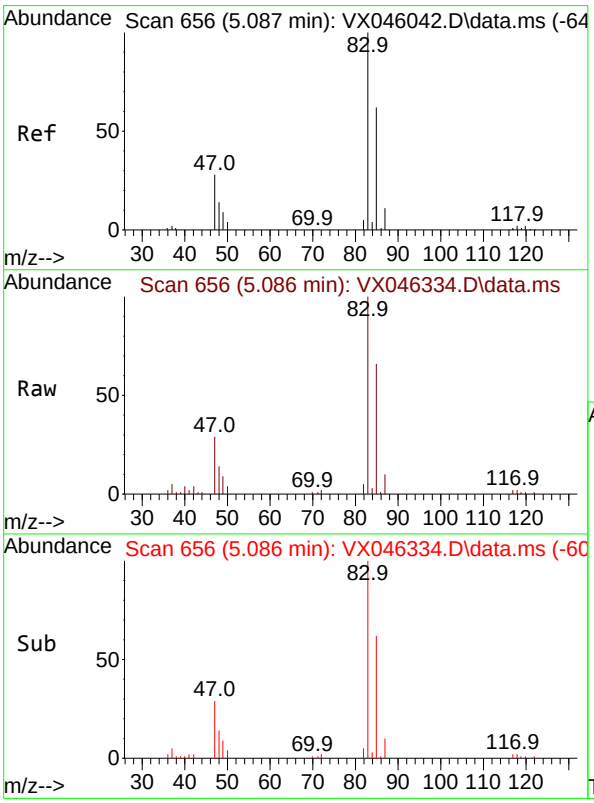
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.4 | 33.7 | 50.5 |
| 71 | 37.0 | 31.4 | 47.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

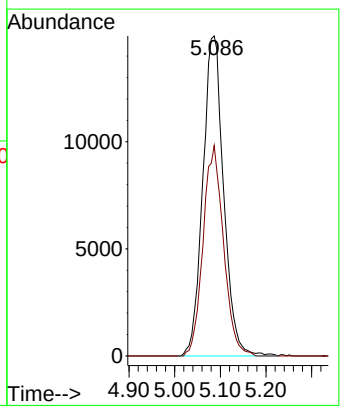


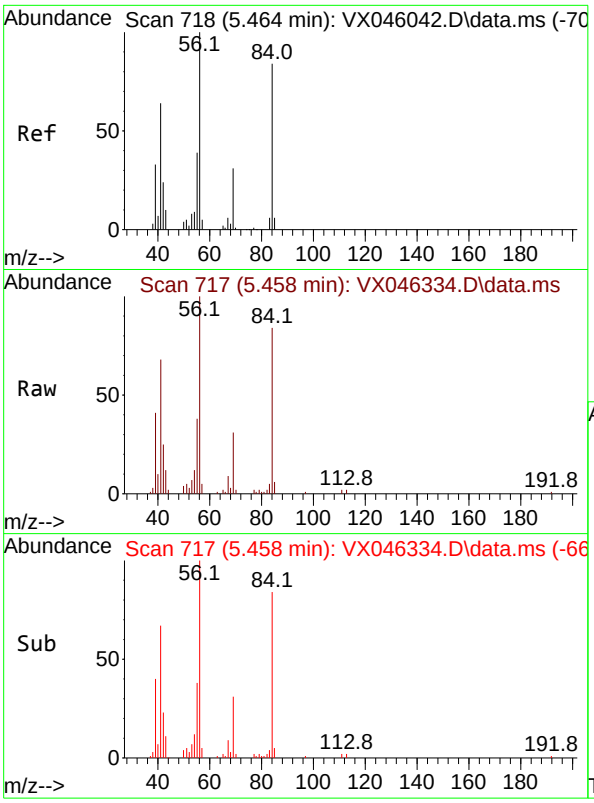




#30
Chloroform
Concen: 20.955 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 83 Resp: 47289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.7 | 49.3 | 73.9 |

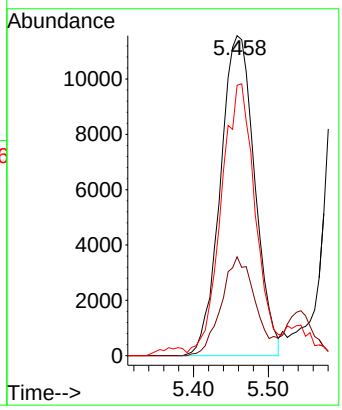





#31
Cyclohexane
Concen: 18.768 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 56 Resp: 3702

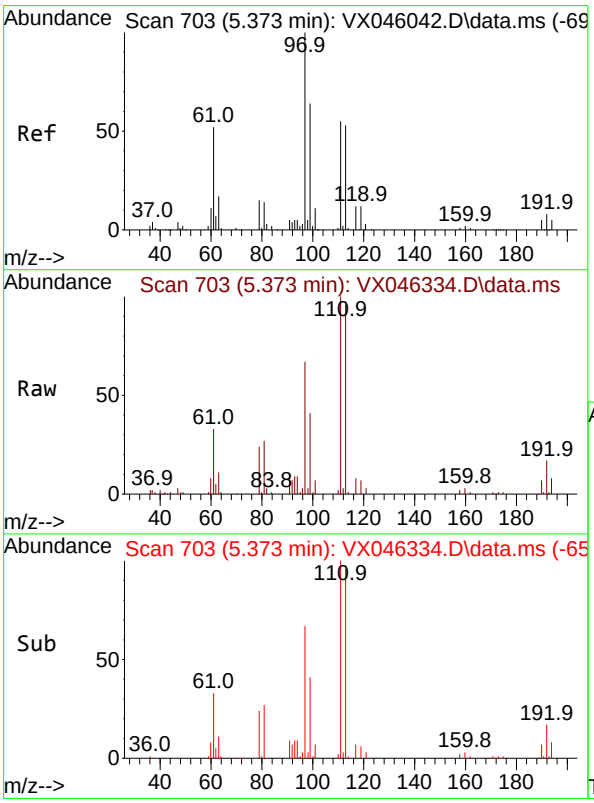
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.9 | 24.4 | 36.6 |
| 84 | 82.0 | 66.9 | 100.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

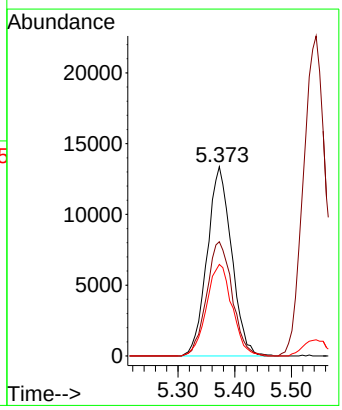
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

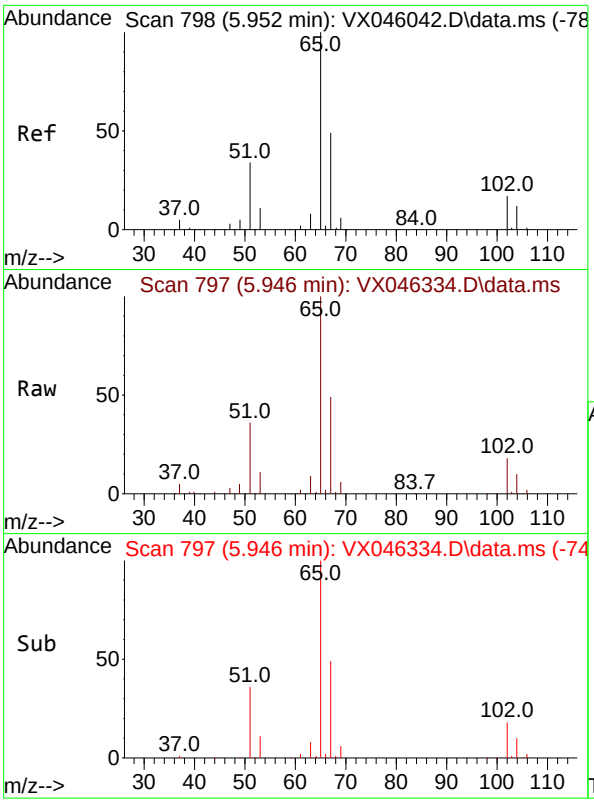



#32
1,1,1-Trichloroethane
Concen: 20.440 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 97 Resp: 39986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.0 | 51.8 | 77.6 |
| 61 | 50.6 | 40.1 | 60.1 |






#33
1,2-Dichloroethane-d4
Concen: 50.541 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

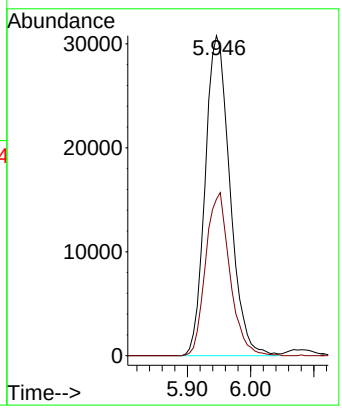
Tgt Ion: 65 Resp: 8367

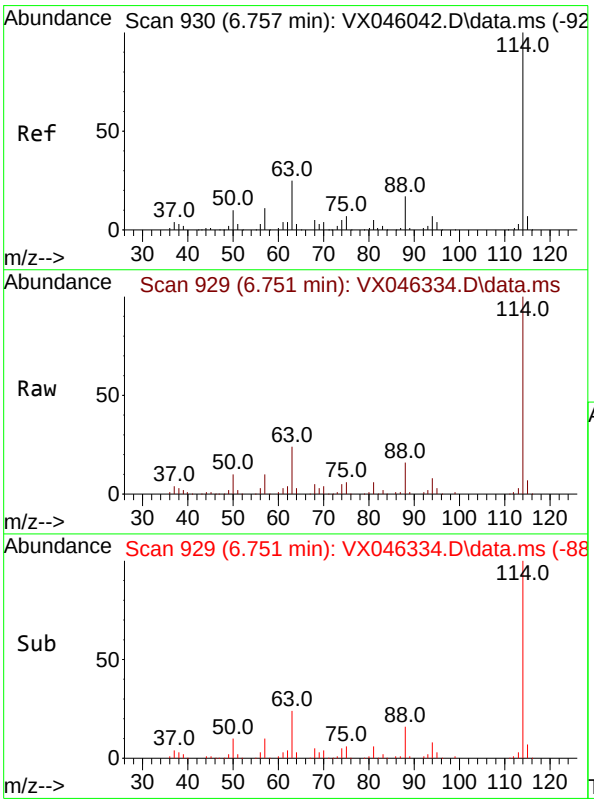
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.0 | 0.0 | 99.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

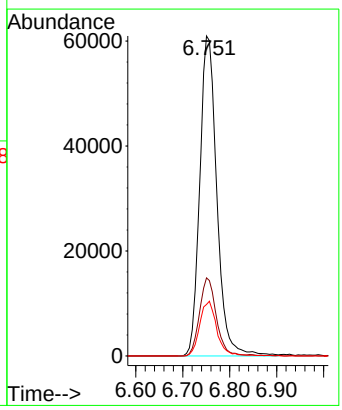


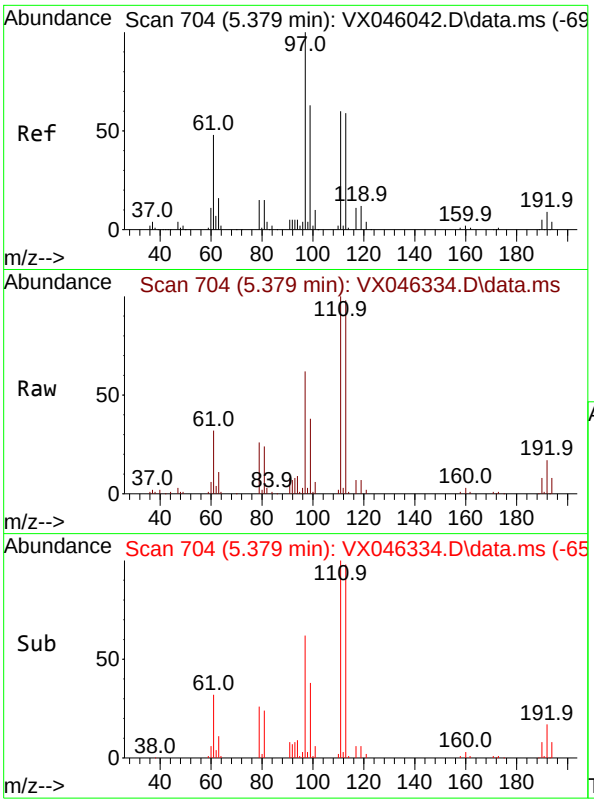




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:114 Resp: 154286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.4 | 0.0 | 49.2 |
| 88 | 16.1 | 0.0 | 33.6 |

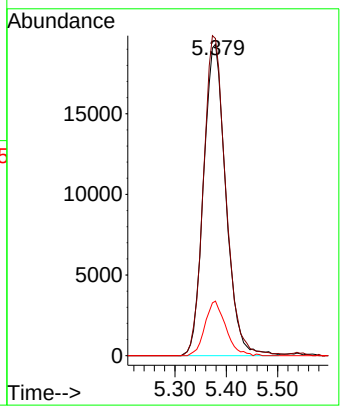





#35
Dibromofluoromethane
Concen: 52.363 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:113 Resp: 5817

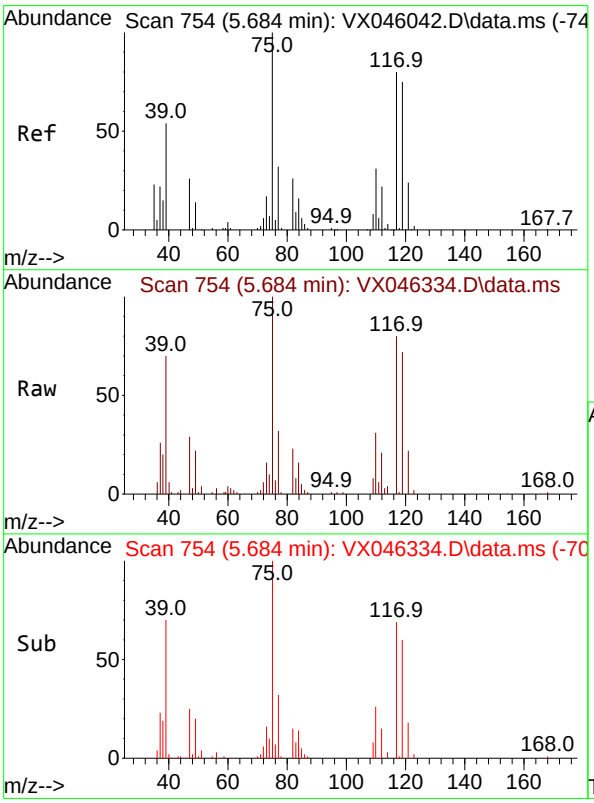
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 83.1 | 124.7 |
| 192 | 16.3 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

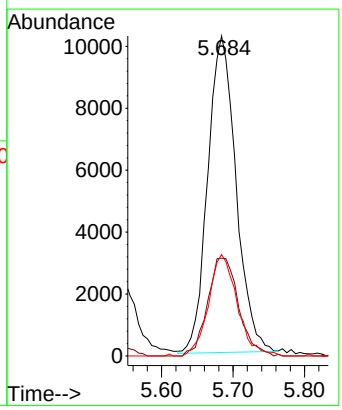
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

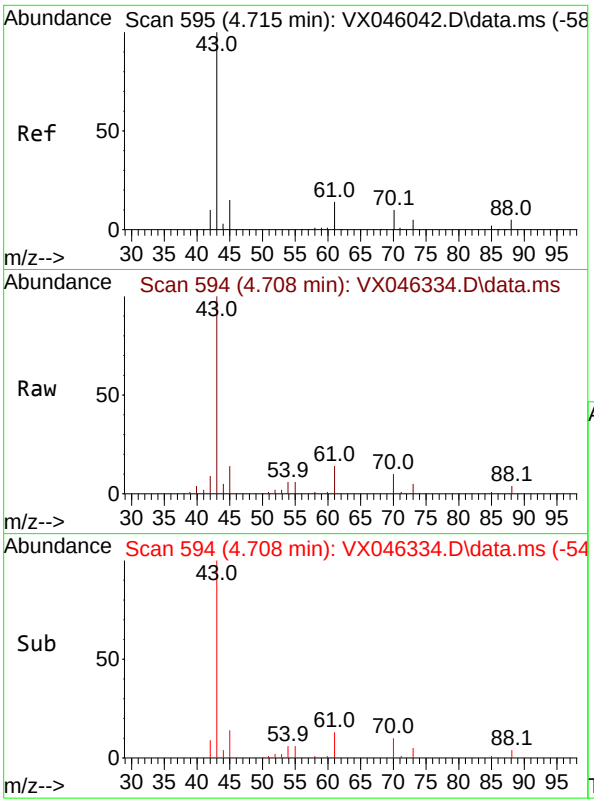



#36
1,1-Dichloropropene
Concen: 18.864 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 75 Resp: 28160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.8 | 16.3 | 48.9 |
| 77 | 32.4 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 20.193 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

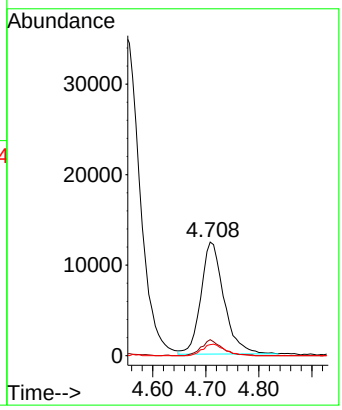
Tgt Ion: 43 Resp: 3724

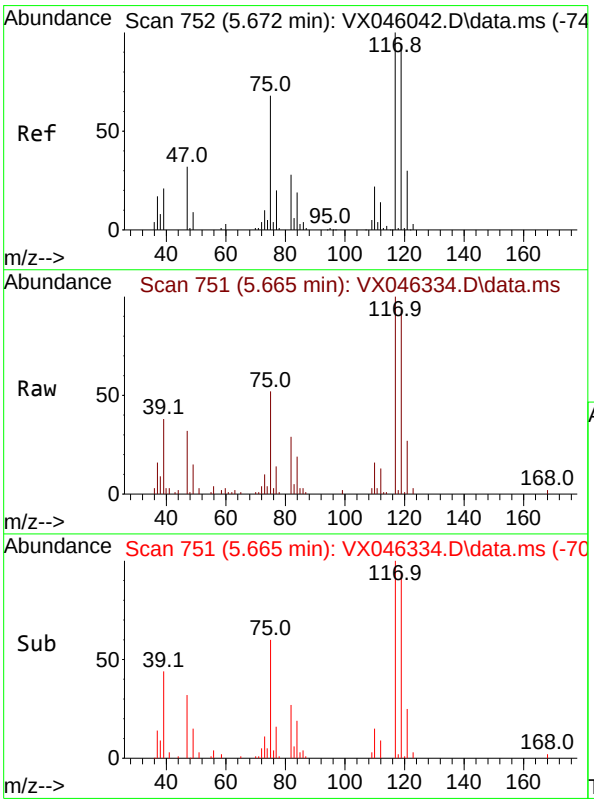
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 10.3 | 15.5 |
| 70 | 10.0 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

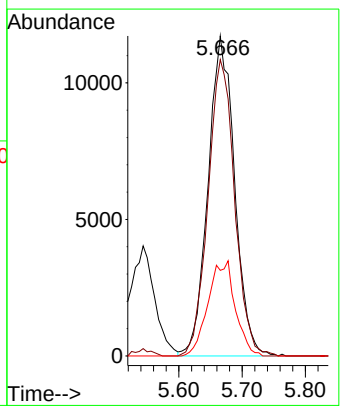


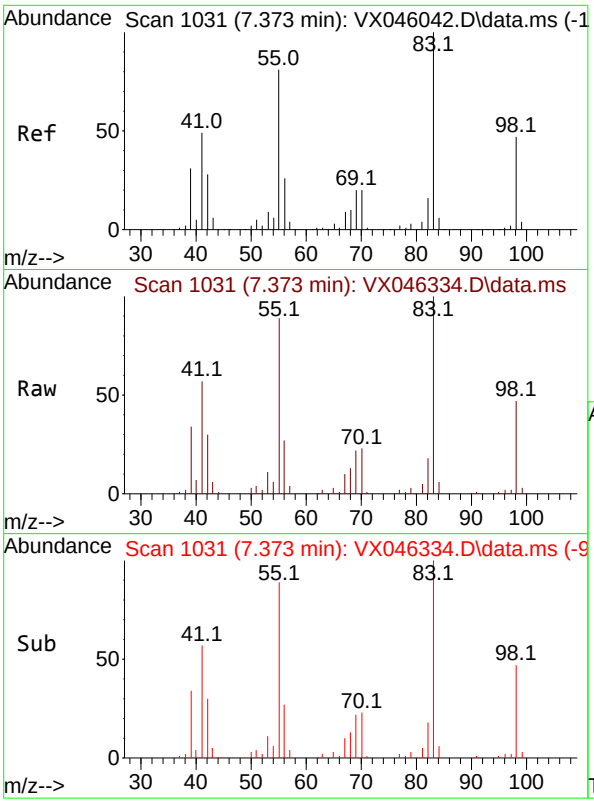




#38
Carbon Tetrachloride
Concen: 20.354 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:117 Resp: 34138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.6 | 75.2 | 112.8 |
| 121 | 26.8 | 24.2 | 36.4 |

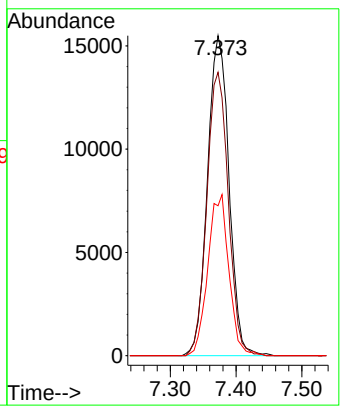





#39
Methylcyclohexane
Concen: 18.392 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 83 Resp: 3534

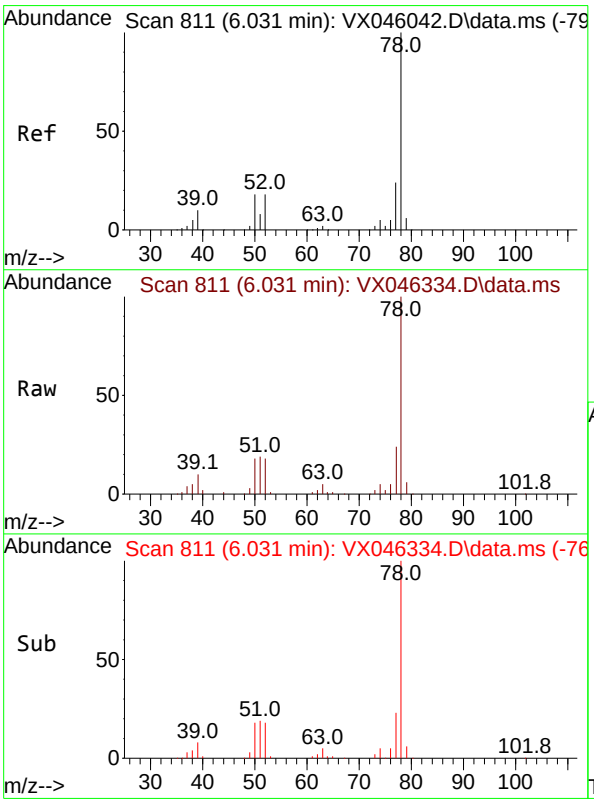
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 88.5 | 64.7 | 97.1 |
| 98 | 46.8 | 37.4 | 56.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

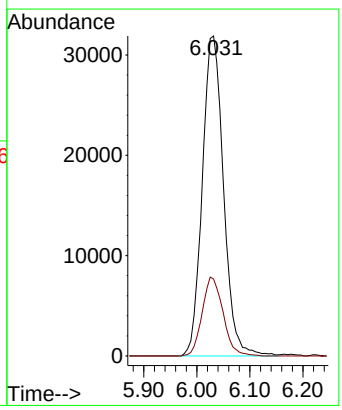
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

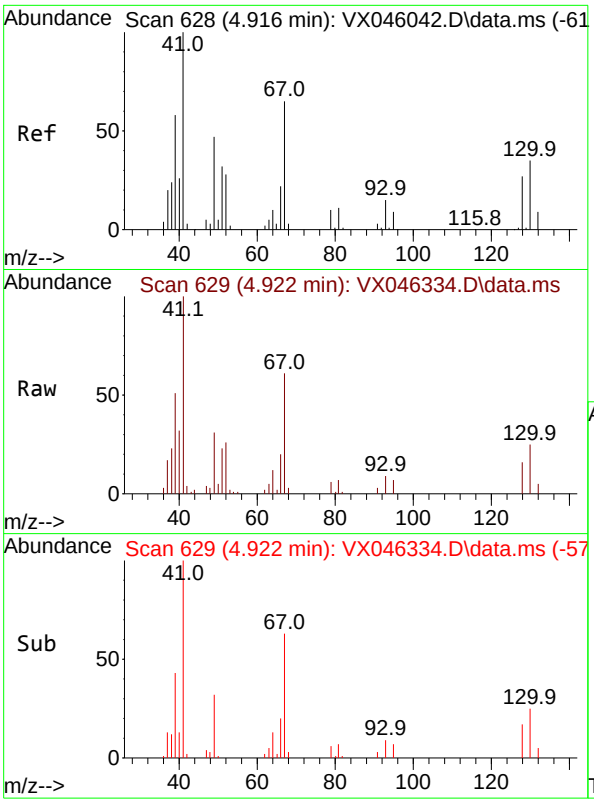



#40
Benzene
Concen: 20.255 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 78 Resp: 88565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 19.0 | 28.4 |

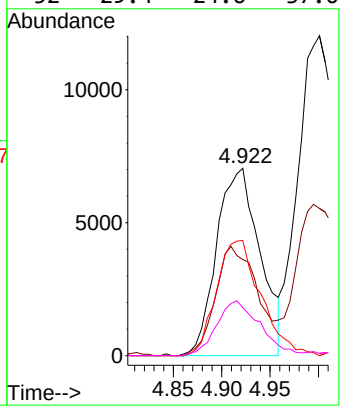





#41
Methacrylonitrile
Concen: 22.750 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 41 Resp: 2194

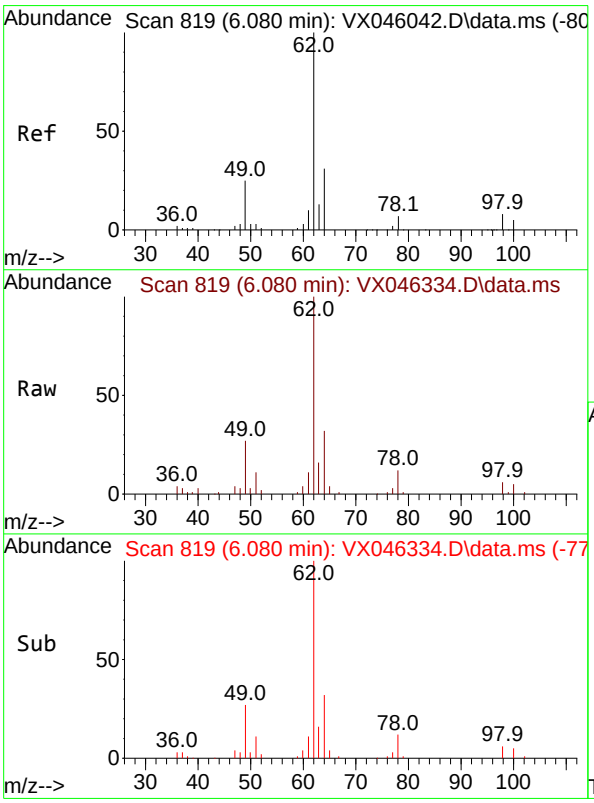
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.8 | 47.2 | 70.8 |
| 67 | 62.9 | 50.7 | 76.1 |
| 52 | 29.4 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

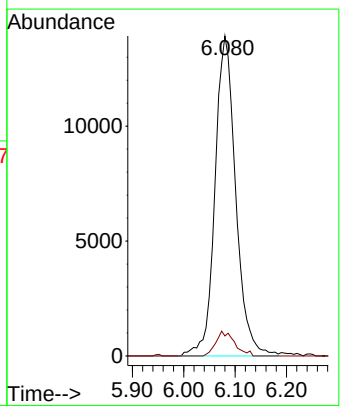
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

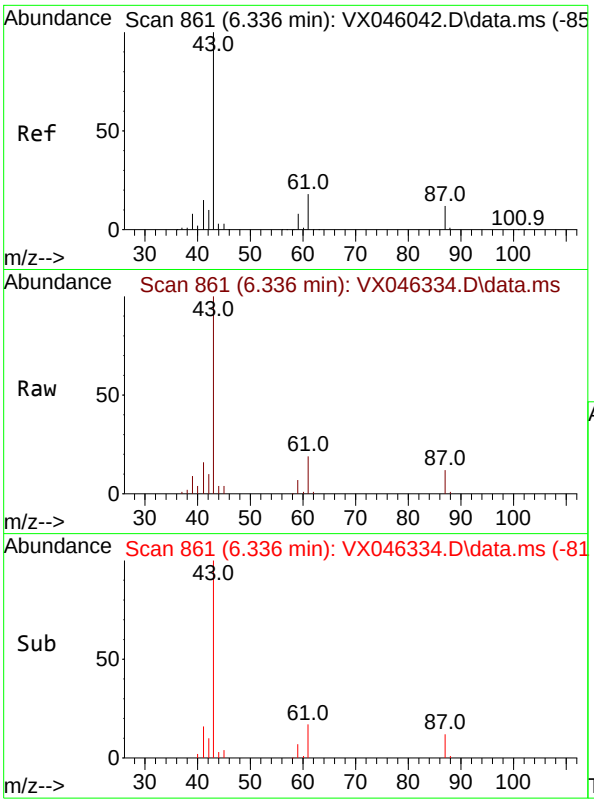



#42
1,2-Dichloroethane
Concen: 20.687 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 62 Resp: 39039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.0 | 0.0 | 15.2 |






#43
Isopropyl Acetate
Concen: 20.779 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

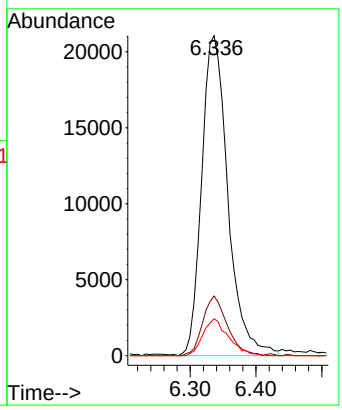
Tgt Ion: 43 Resp: 5846

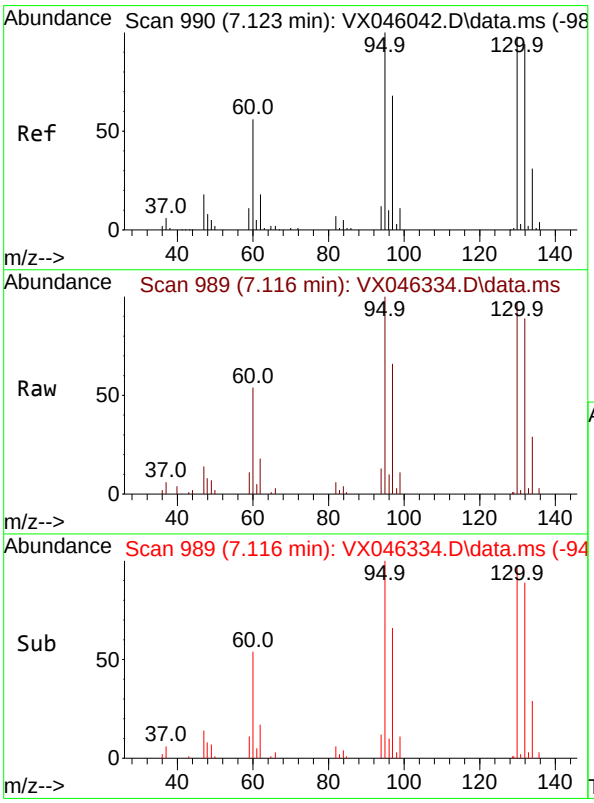
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.3 | 14.3 | 21.5 |
| 87 | 11.2 | 9.5 | 14.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

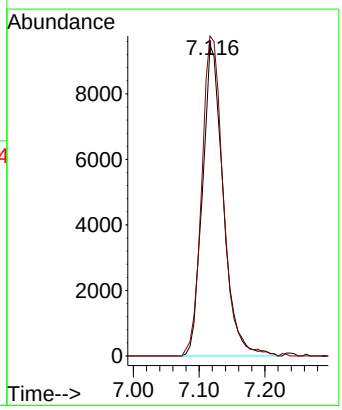


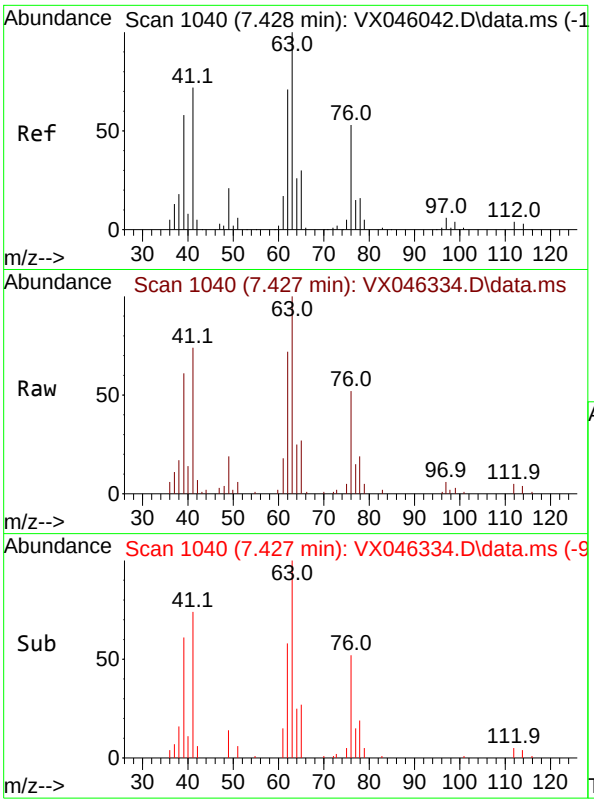




#44
Trichloroethene
Concen: 19.818 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:130 Resp: 20856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.9 | 0.0 | 204.2 |

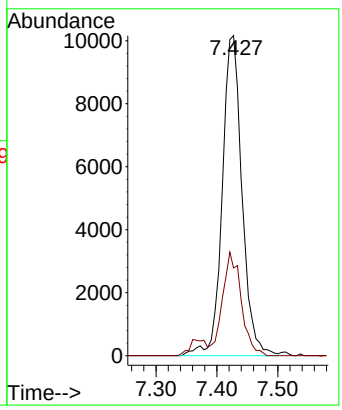





#45
1,2-Dichloropropane
Concen: 21.051 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 63 Resp: 2288

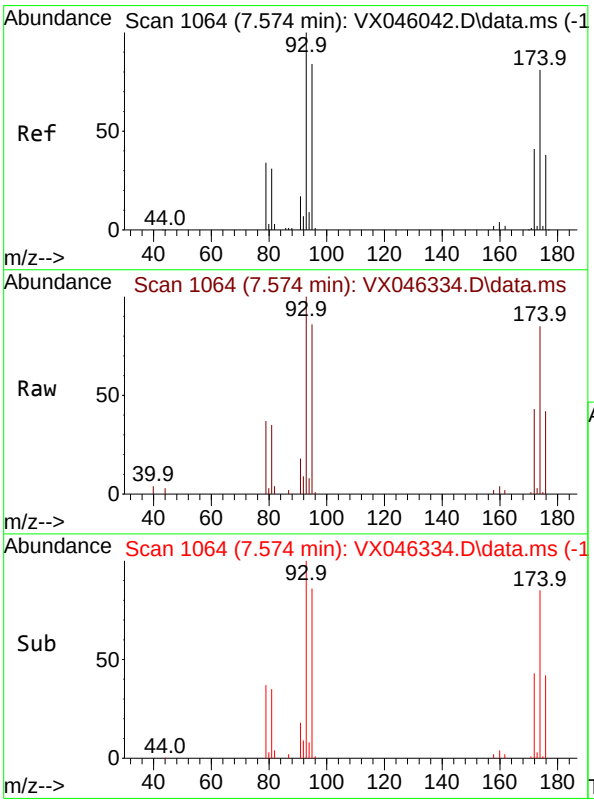
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 27.4 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

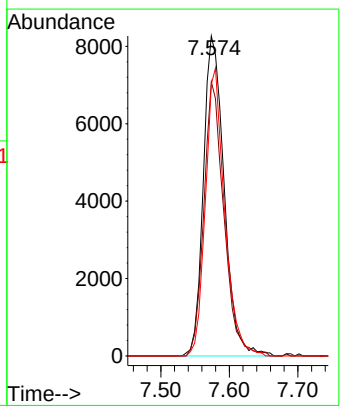
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

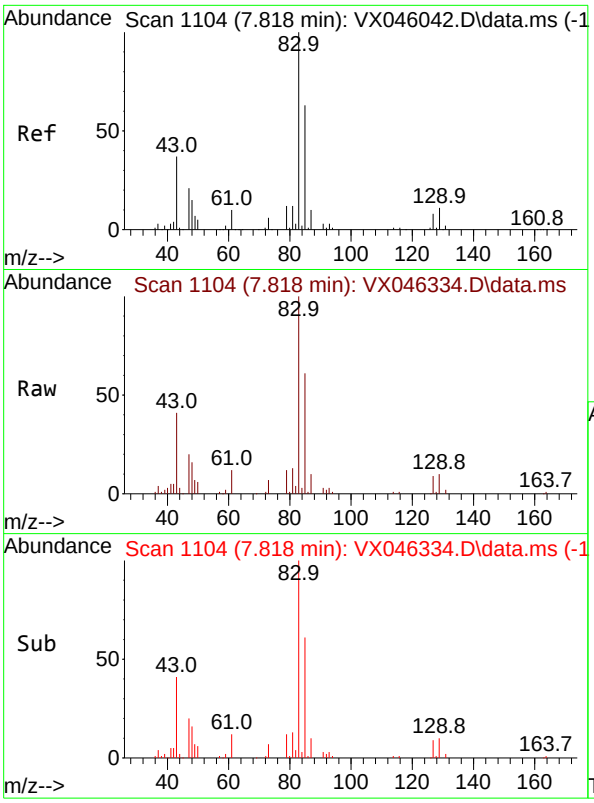



#46
Dibromomethane
Concen: 20.292 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 93 Resp: 17401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.7 | 65.6 | 98.4 |
| 174 | 83.5 | 68.2 | 102.2 |

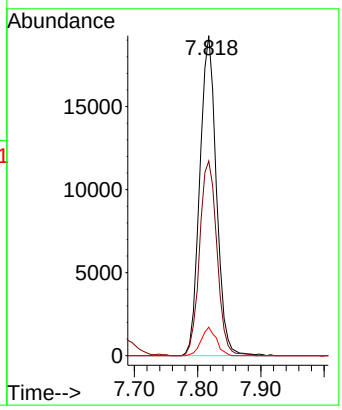





#47
Bromodichloromethane
Concen: 20.847 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 83 Resp: 3521

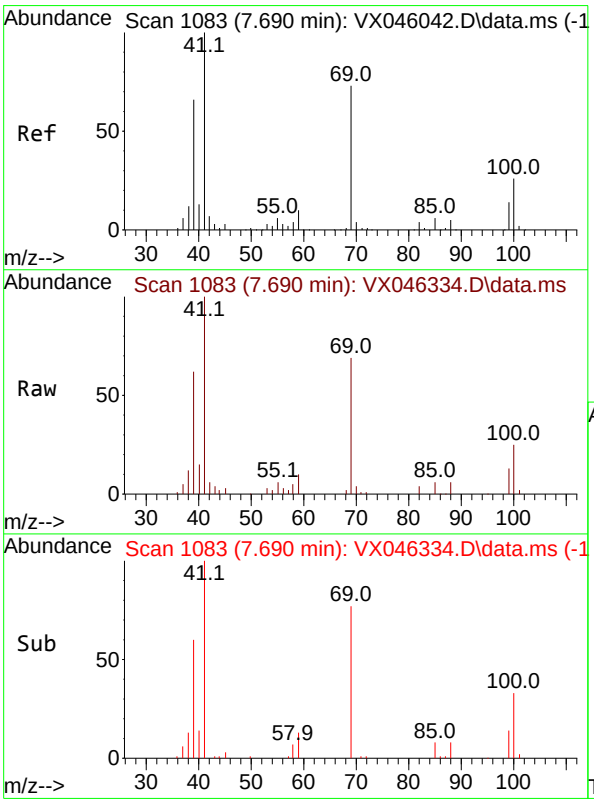
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.9 | 50.5 | 75.7 |
| 127 | 8.9 | 6.5 | 9.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

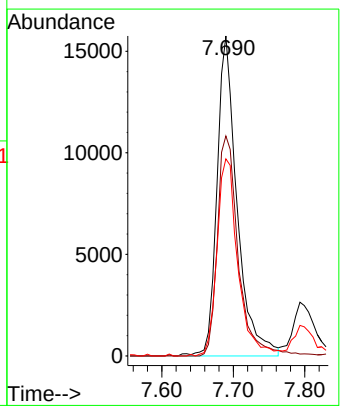
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

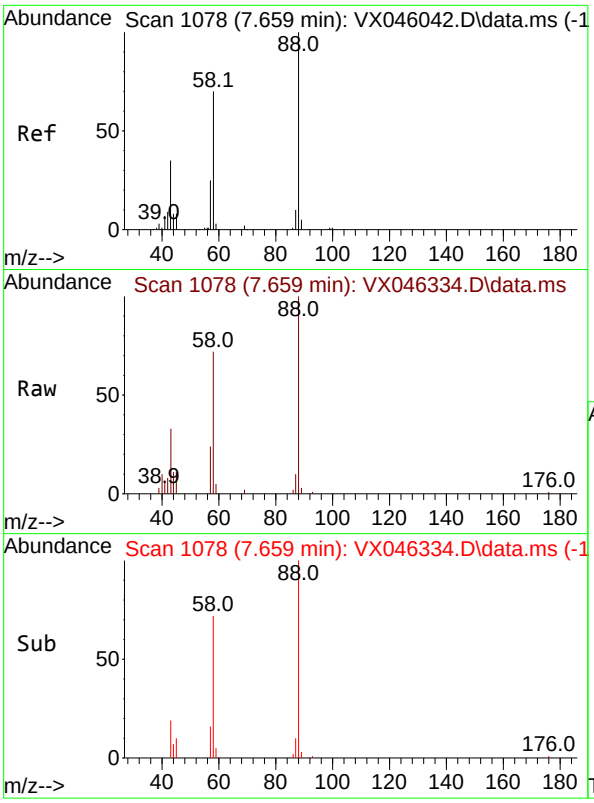



#48
Methyl methacrylate
Concen: 21.365 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 41 Resp: 30700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 72.0 | 58.5 | 87.7 |
| 39 | 64.5 | 51.7 | 77.5 |






#49
1,4-Dioxane
Concen: 426.008 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

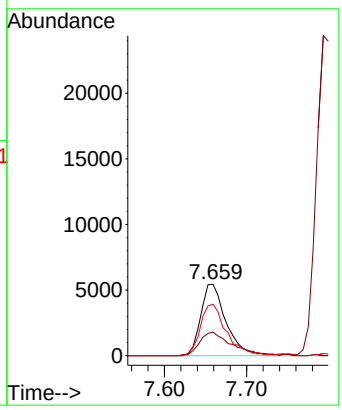
Tgt Ion: 88 Resp: 1162

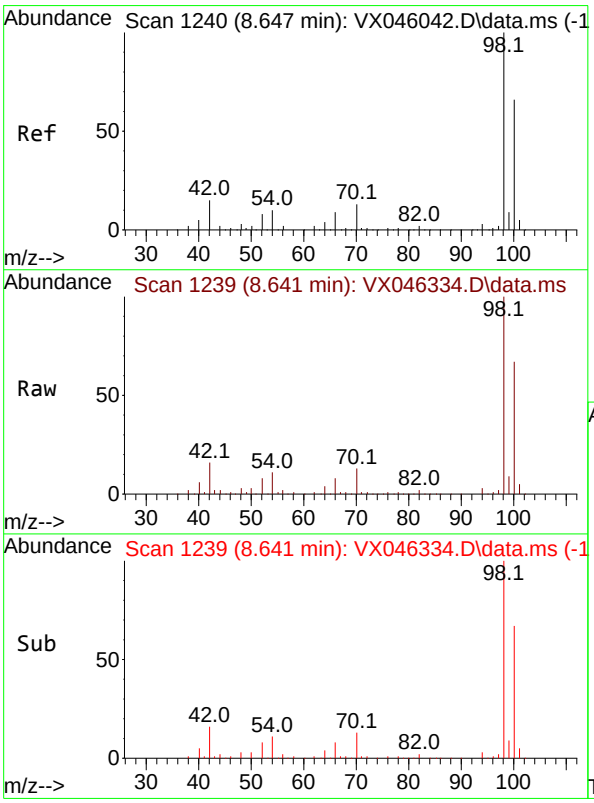
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.6 | 33.4 | 50.2 |
| 58 | 74.2 | 58.6 | 88.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

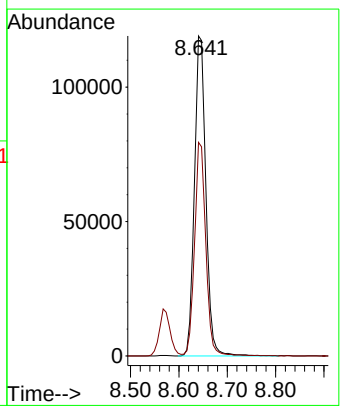


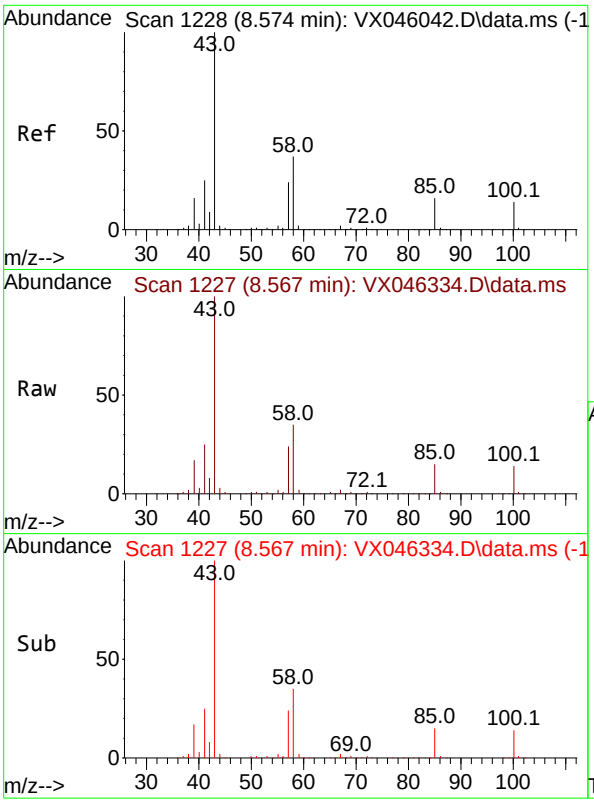




#50
Toluene-d8
Concen: 50.661 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 98 Resp: 194812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.3 | 53.5 | 80.3 |

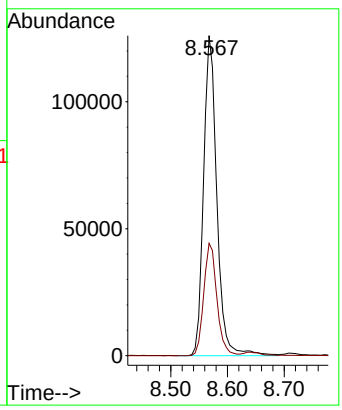





#51
4-Methyl-2-Pentanone
Concen: 109.635 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 43 Resp: 20475

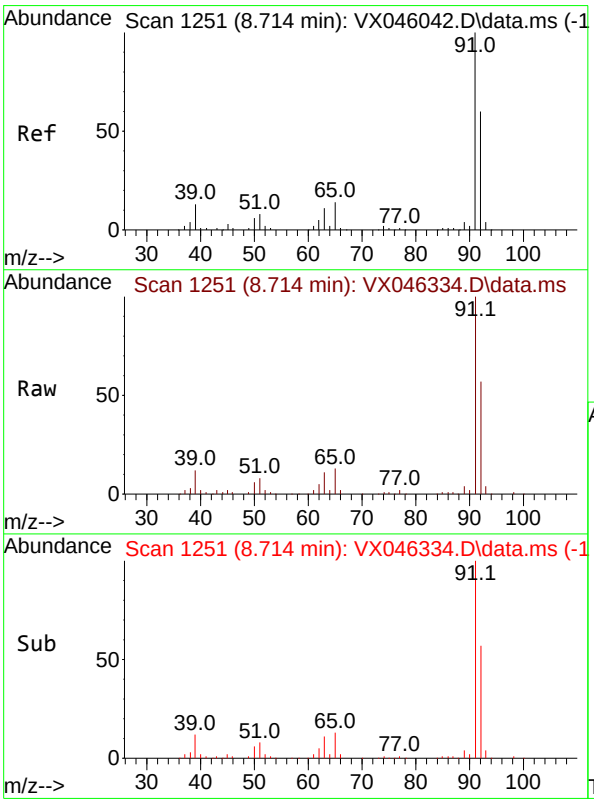
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.8 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

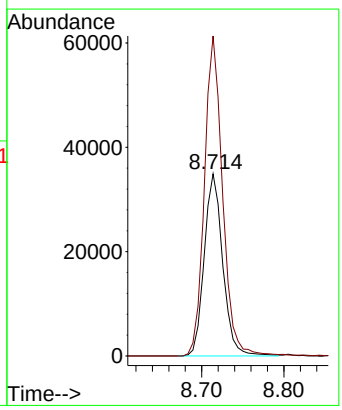
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

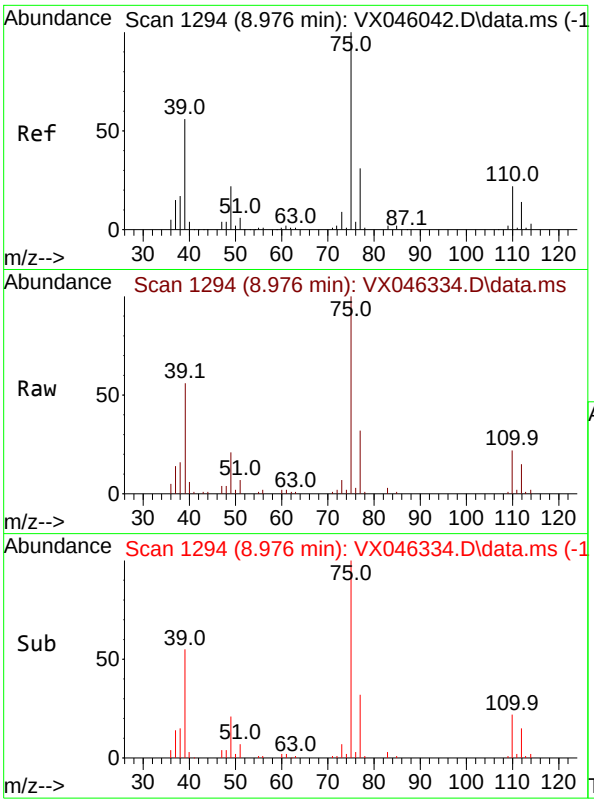



#52
Toluene
Concen: 20.387 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 92 Resp: 54660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.0 | 136.6 | 205.0 |

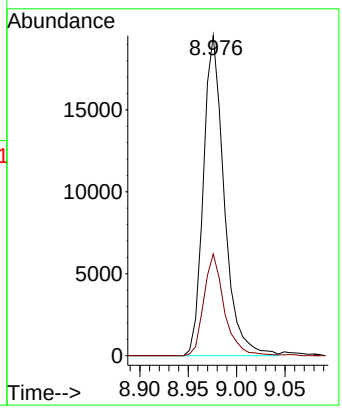





#53
t-1,3-Dichloropropene
Concen: 19.548 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 75 Resp: 2934

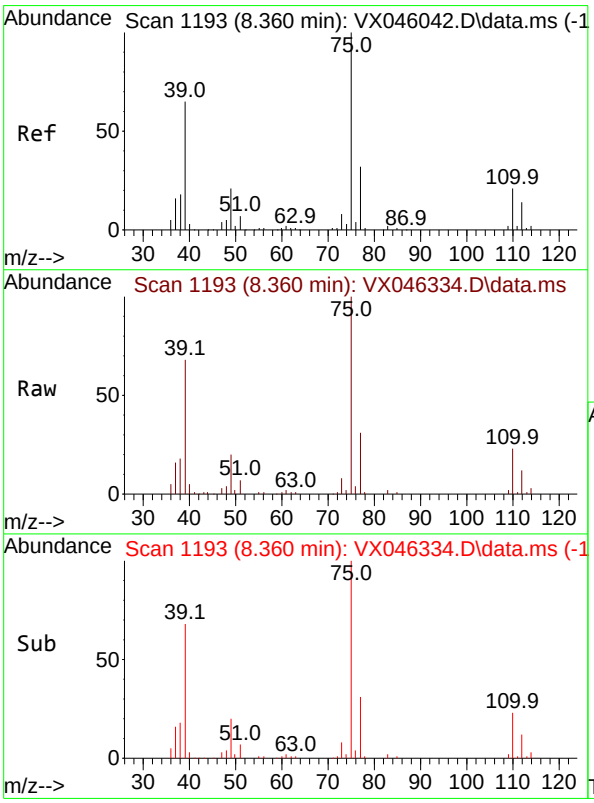
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

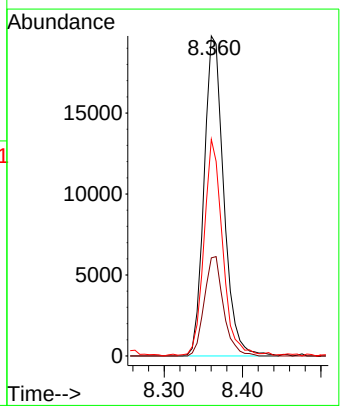
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

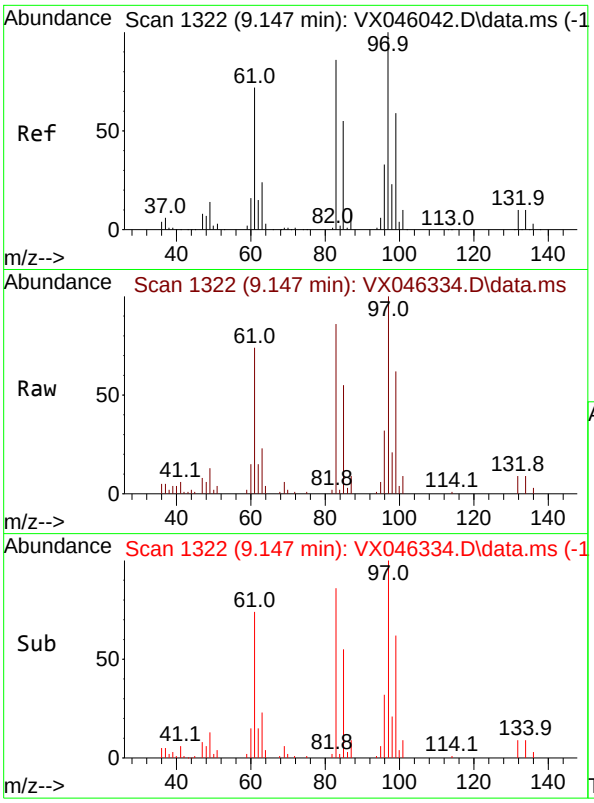



#54
cis-1,3-Dichloropropene
Concen: 20.748 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 75 Resp: 34425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.6 | 25.4 | 38.0 |
| 39 | 67.4 | 52.2 | 78.4 |

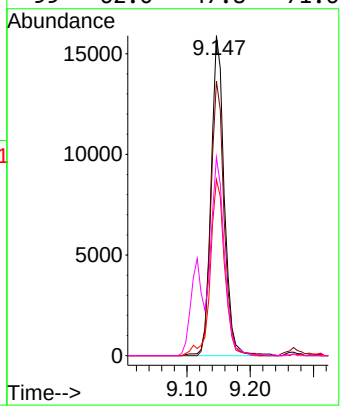





#55
1,1,2-Trichloroethane
Concen: 21.823 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 97 Resp: 2307

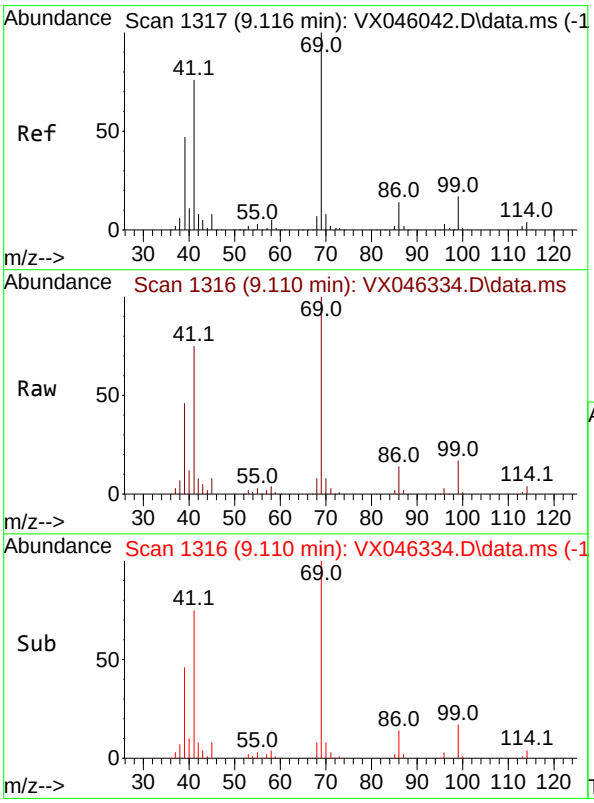
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.8 | 69.0 | 103.6 |
| 85 | 55.1 | 44.3 | 66.5 |
| 99 | 62.0 | 47.8 | 71.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

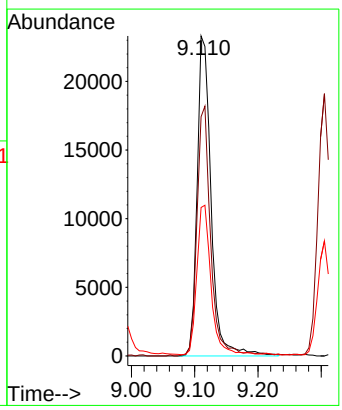
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

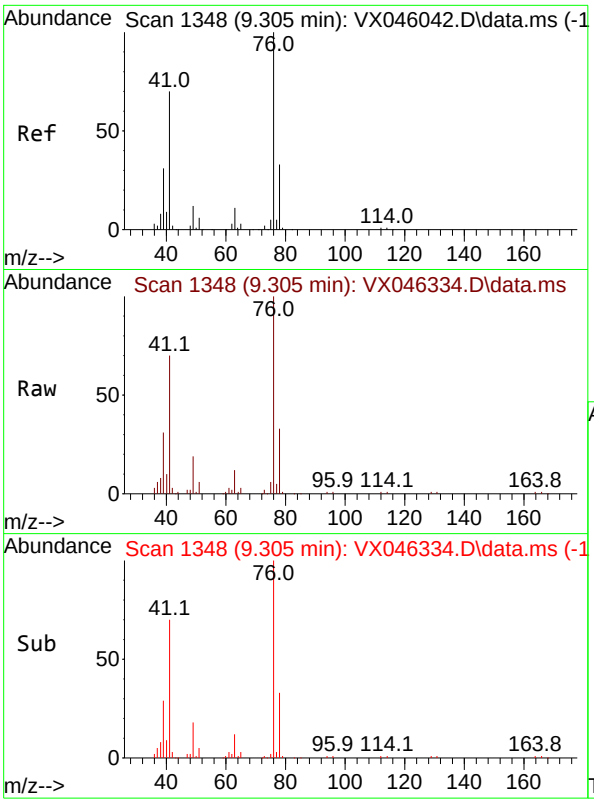



#56
Ethyl methacrylate
Concen: 21.331 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 69 Resp: 35941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 76.1 | 60.8 | 91.2 |
| 39 | 47.1 | 39.0 | 58.6 |






#57
1,3-Dichloropropane
Concen: 20.522 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

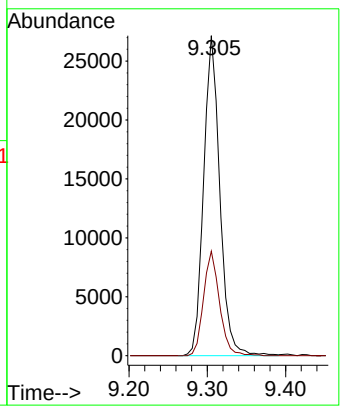
Tgt Ion: 76 Resp: 3896

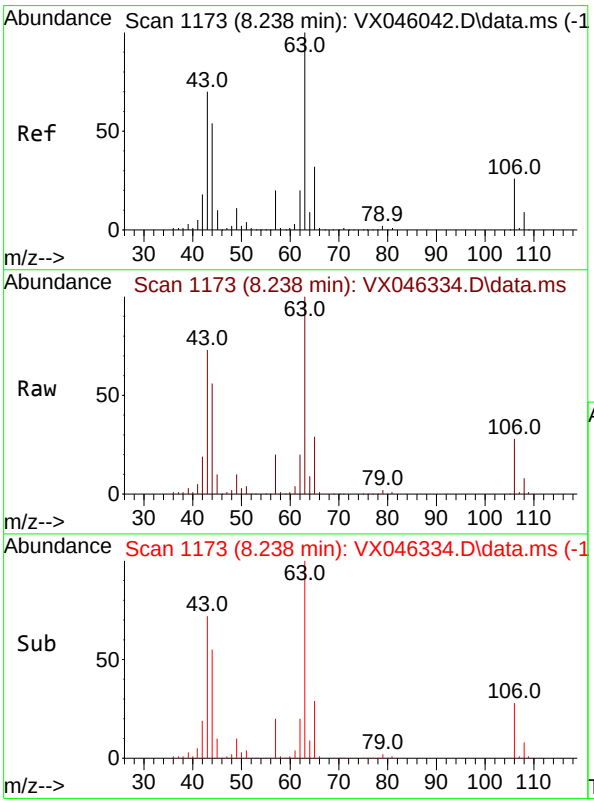
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.3 | 39.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

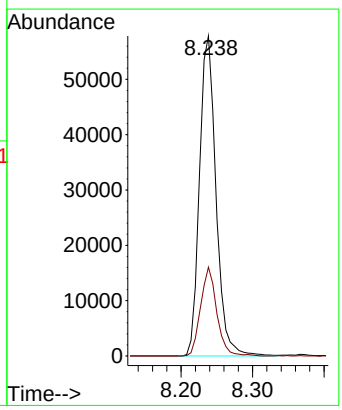


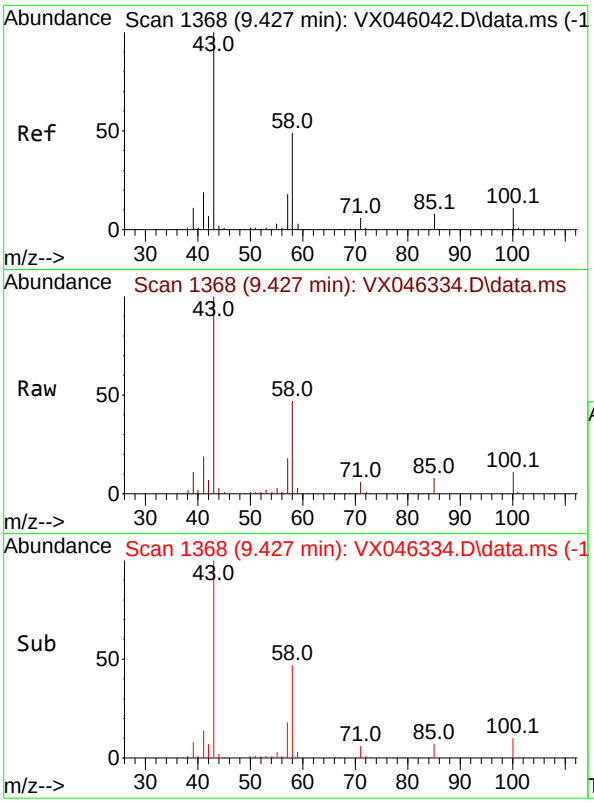




#58
2-Chloroethyl Vinyl ether
Concen: 108.093 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 63 Resp: 92851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.1 | 21.5 | 32.3 |






#59
2-Hexanone
Concen: 109.257 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

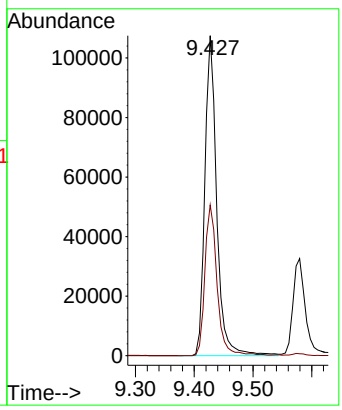
Tgt Ion: 43 Resp: 15096

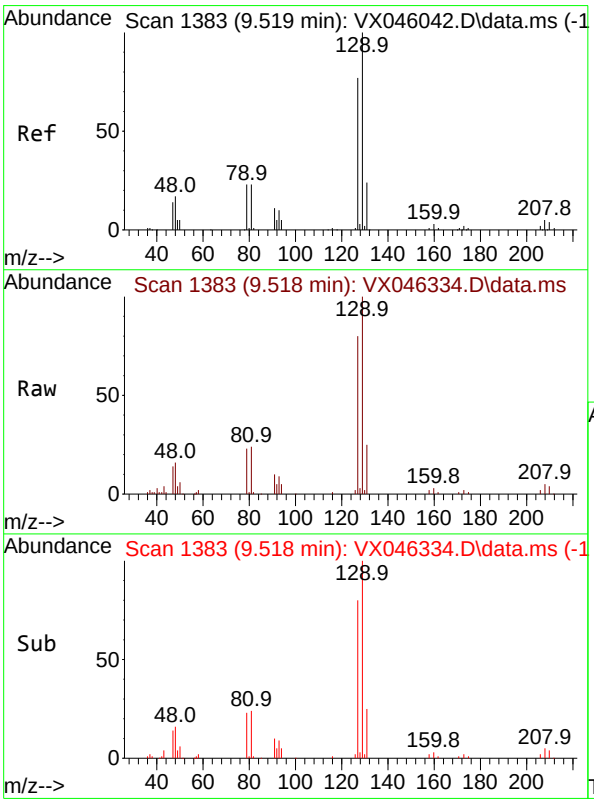
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 48.5 | 24.9 | 74.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

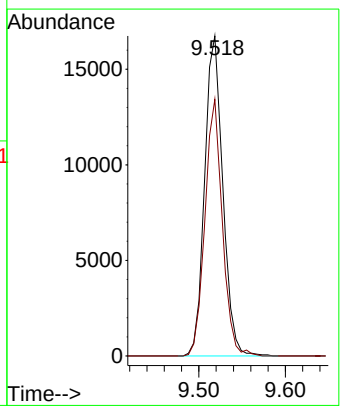


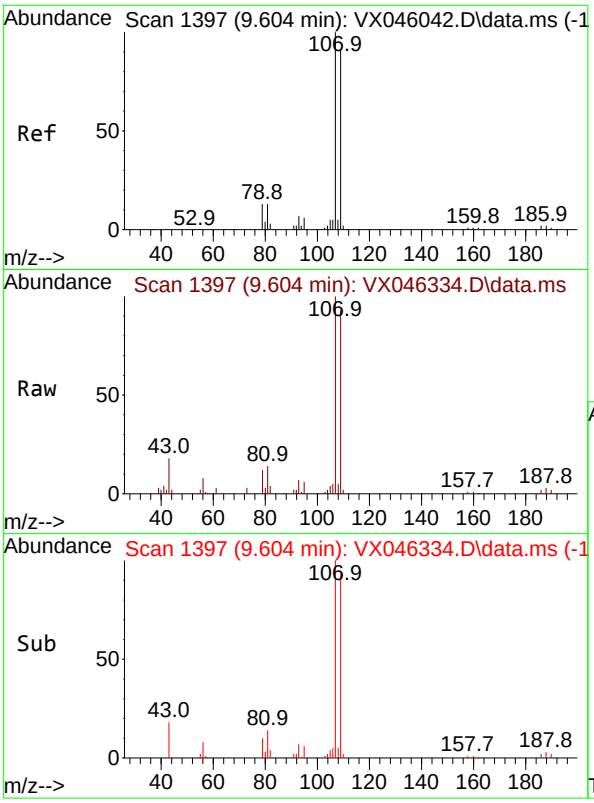




#60
Dibromochloromethane
Concen: 20.981 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:129 Resp: 24359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.0 | 39.3 | 117.8 |






#61
1,2-Dibromoethane
Concen: 20.748 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

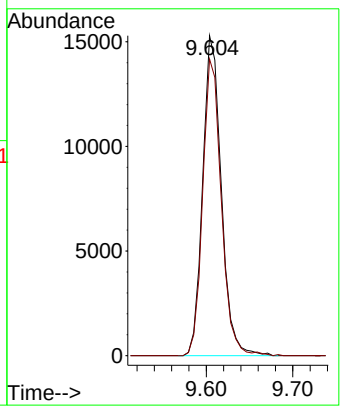
Tgt Ion:107 Resp: 2279

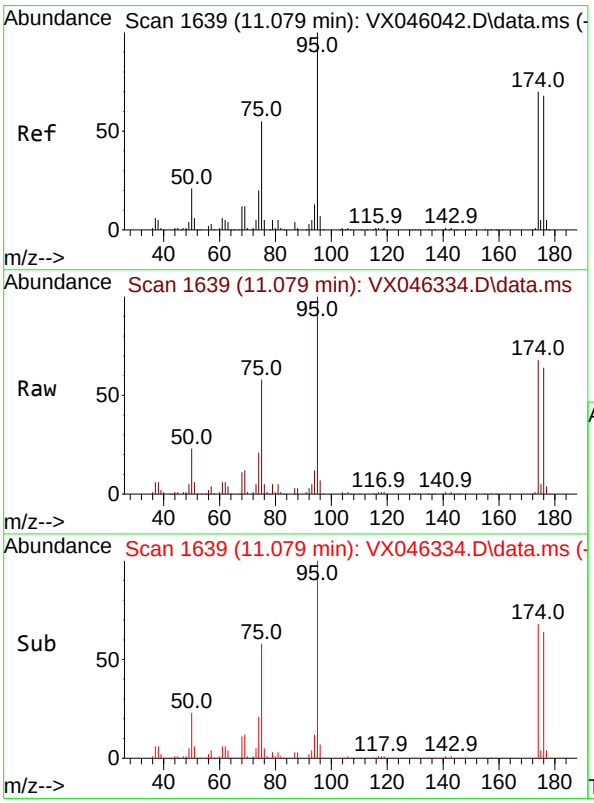
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.9 | 73.3 | 109.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

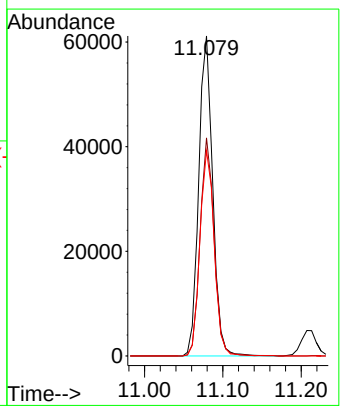


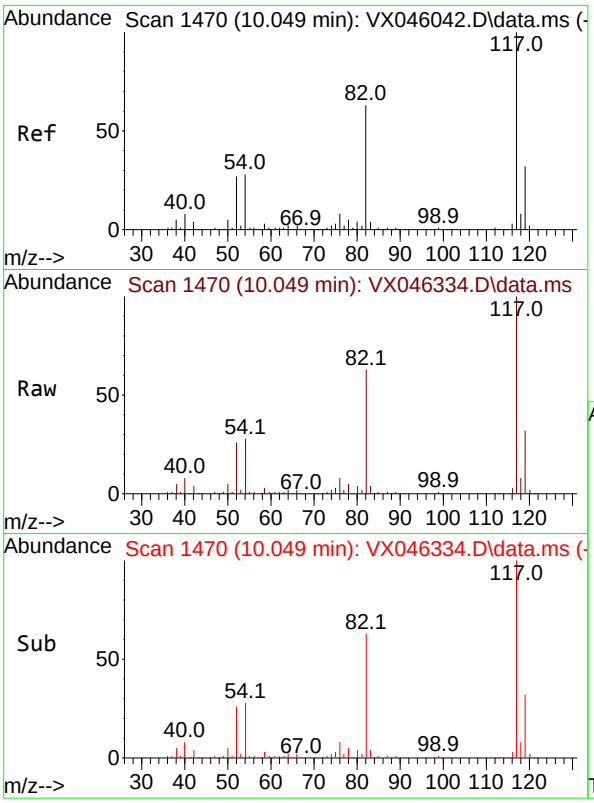




#62
4-Bromofluorobenzene
Concen: 51.423 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 95 Resp: 75851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.7 | 0.0 | 135.8 |
| 176 | 65.6 | 0.0 | 131.4 |

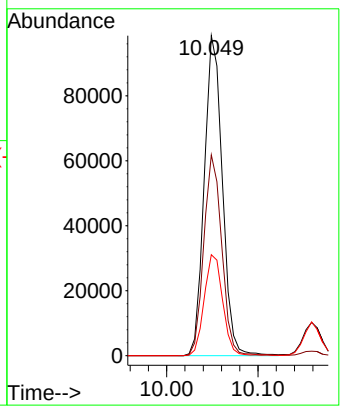





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:117 Resp: 13535

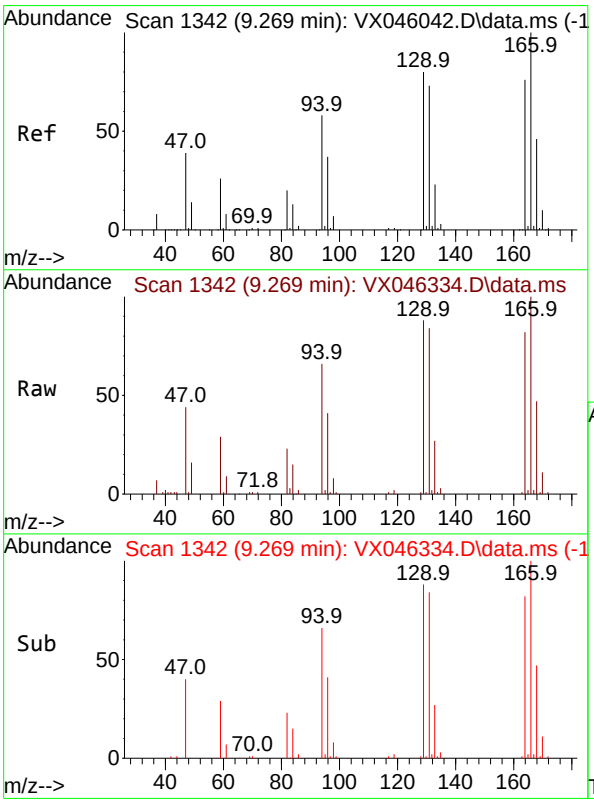
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 62.8 | 50.6 | 76.0 |
| 119 | 31.5 | 25.8 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

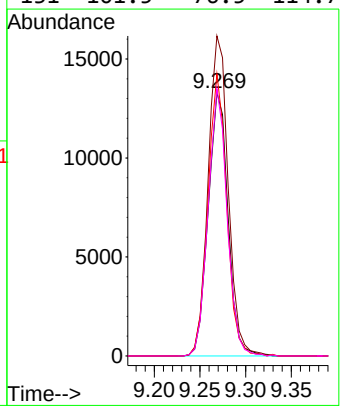
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

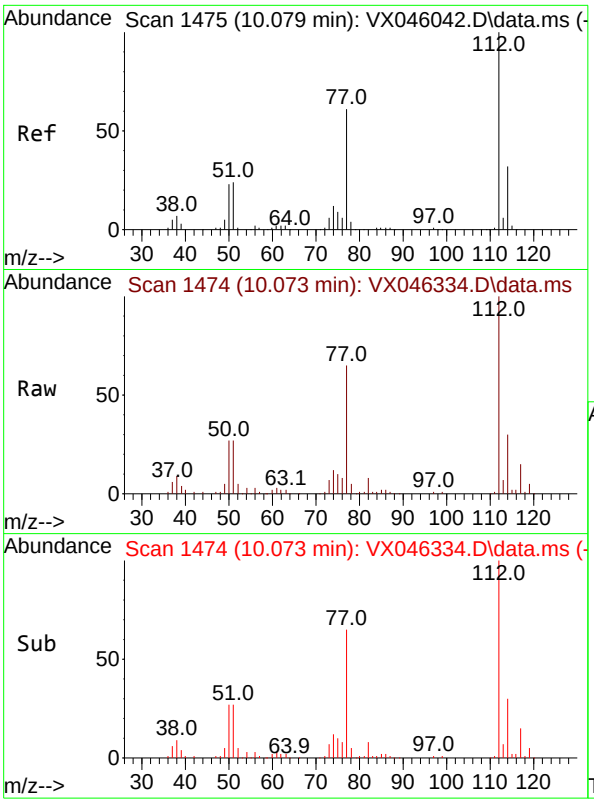



#64
Tetrachloroethene
Concen: 20.878 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:164 Resp: 19995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 121.5 | 105.0 | 157.6 |
| 129 | 107.0 | 83.5 | 125.3 |
| 131 | 101.5 | 76.5 | 114.7 |






#65
Chlorobenzene
Concen: 20.149 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

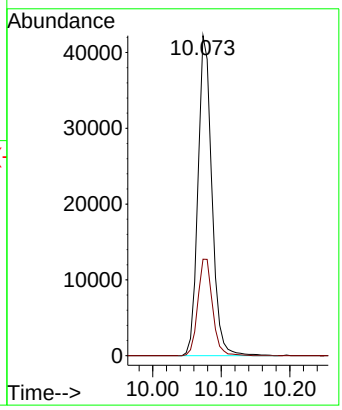
Tgt Ion:112 Resp: 5969

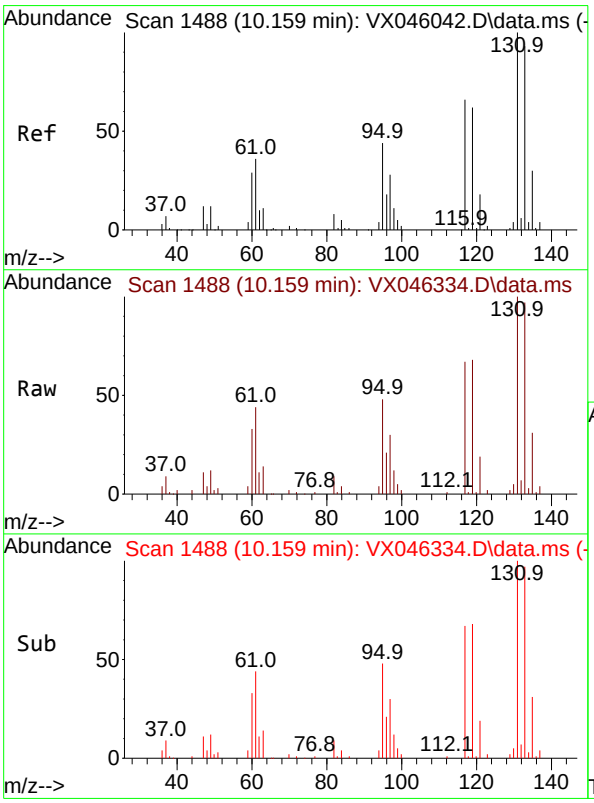
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.1 | 25.4 | 38.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

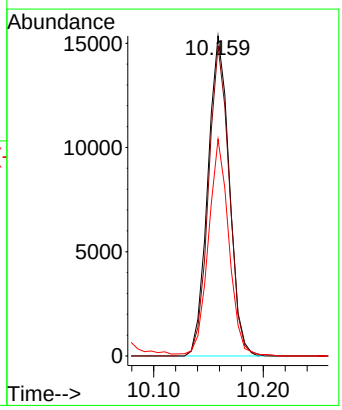


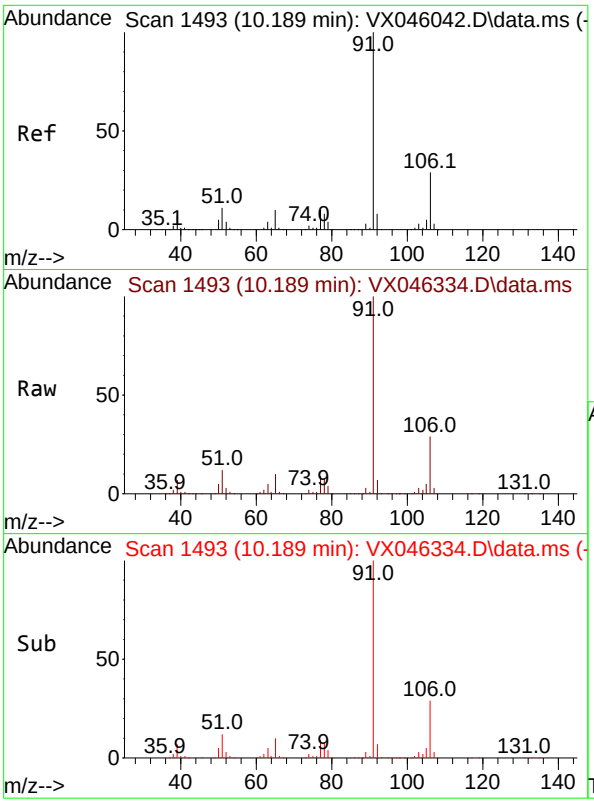




#66
1,1,1,2-Tetrachloroethane
Concen: 20.551 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:131 Resp: 20790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.0 | 47.3 | 141.9 |
| 119 | 64.9 | 31.6 | 95.0 |

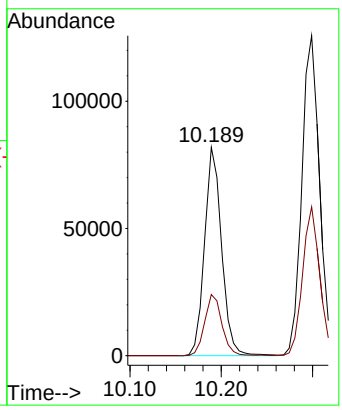





#67
Ethyl Benzene
Concen: 20.280 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 91 Resp: 10590

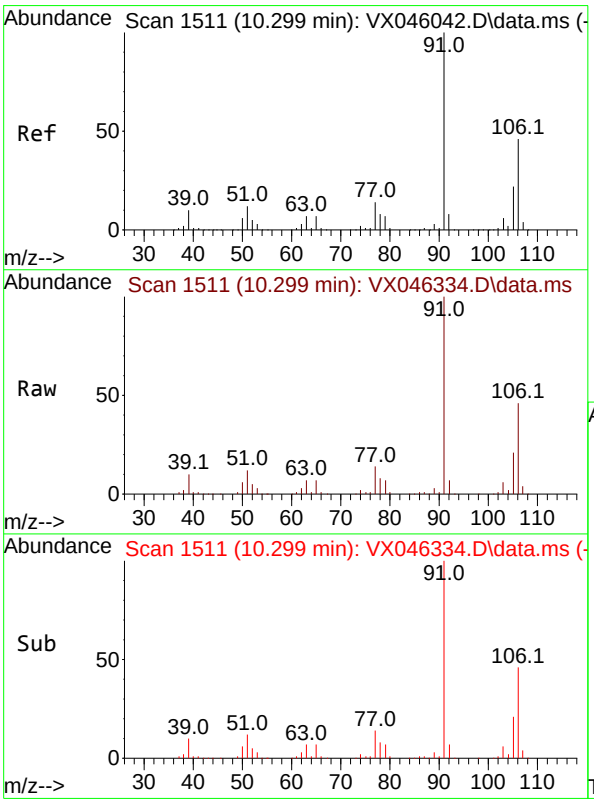
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.4 | 23.4 | 35.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

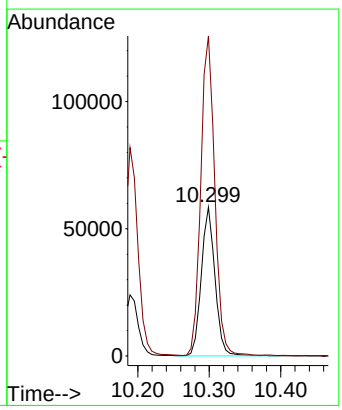
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

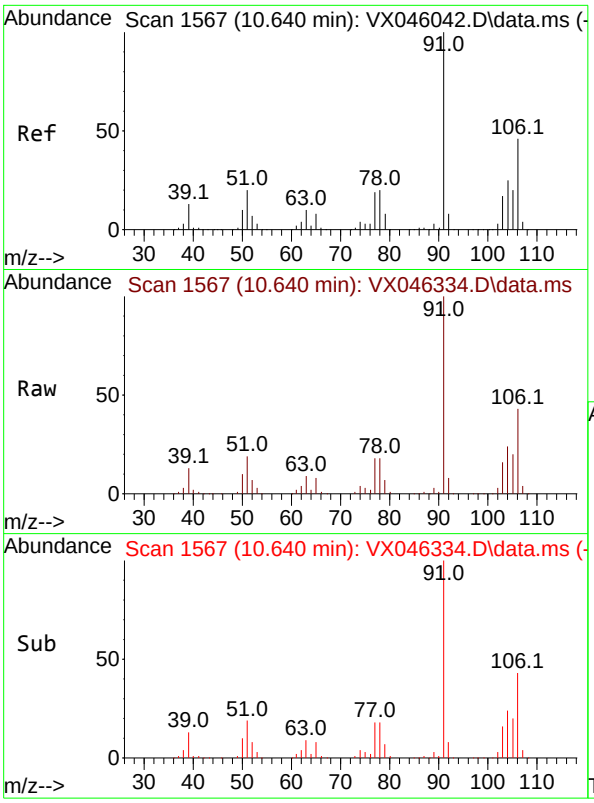



#68
m/p-Xylenes
Concen: 40.642 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:106 Resp: 77627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.2 | 171.2 | 256.8 |

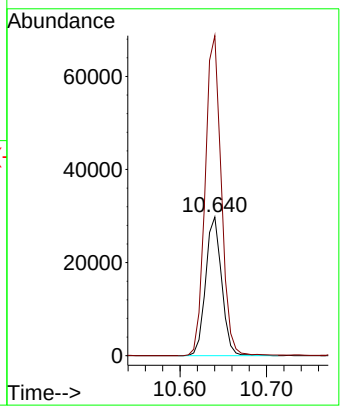





#69
o-Xylene
Concen: 20.548 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:106 Resp: 3826

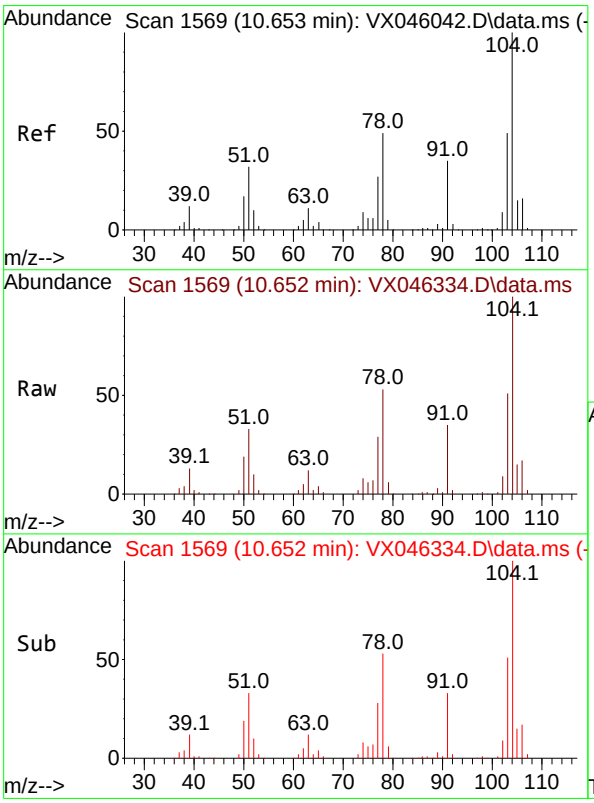
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 232.6 | 112.7 | 338.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

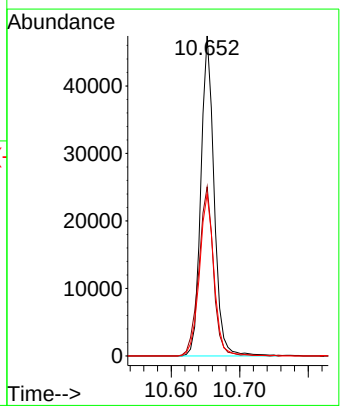
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

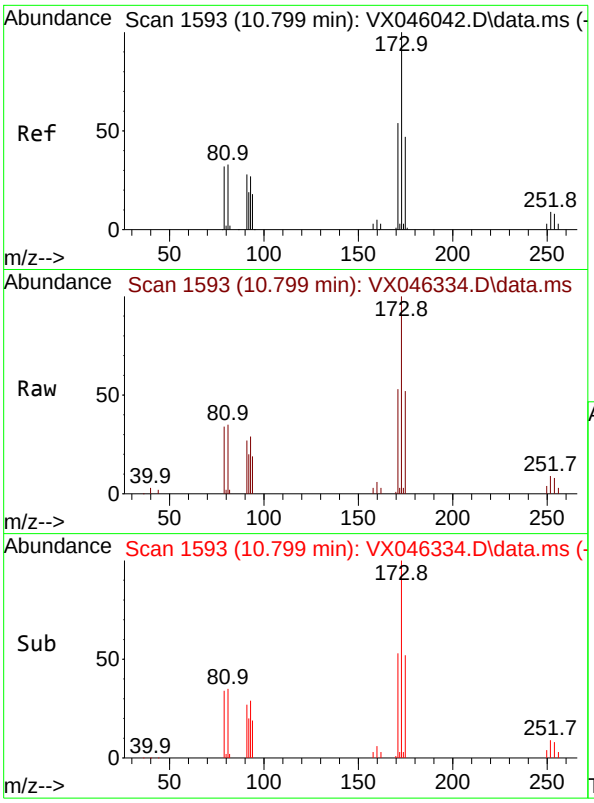



#70
Styrene
Concen: 20.979 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:104 Resp: 63992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 58.3 | 45.7 | 68.5 |
| 103 | 55.7 | 43.7 | 65.5 |

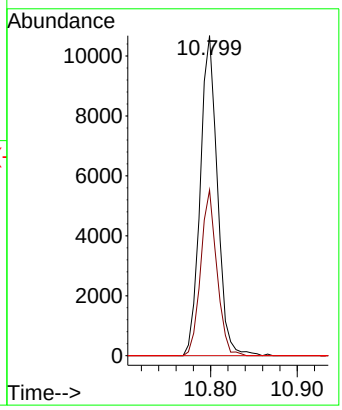





#71
Bromoform
Concen: 19.369 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:173 Resp: 1471

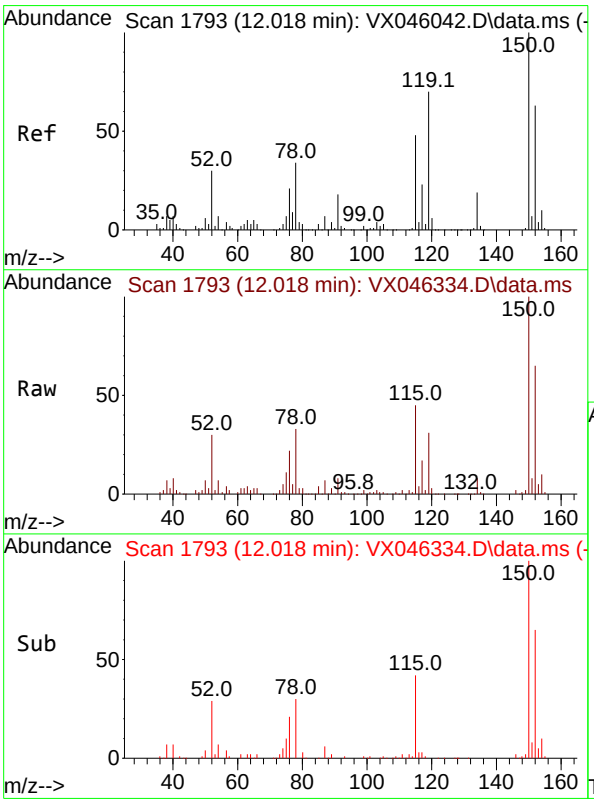
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.6 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

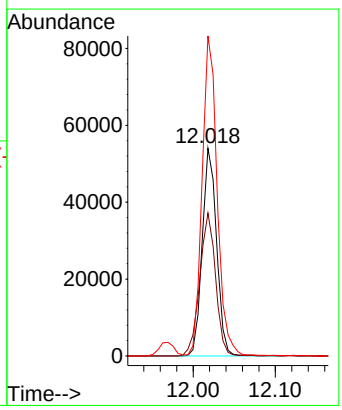
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

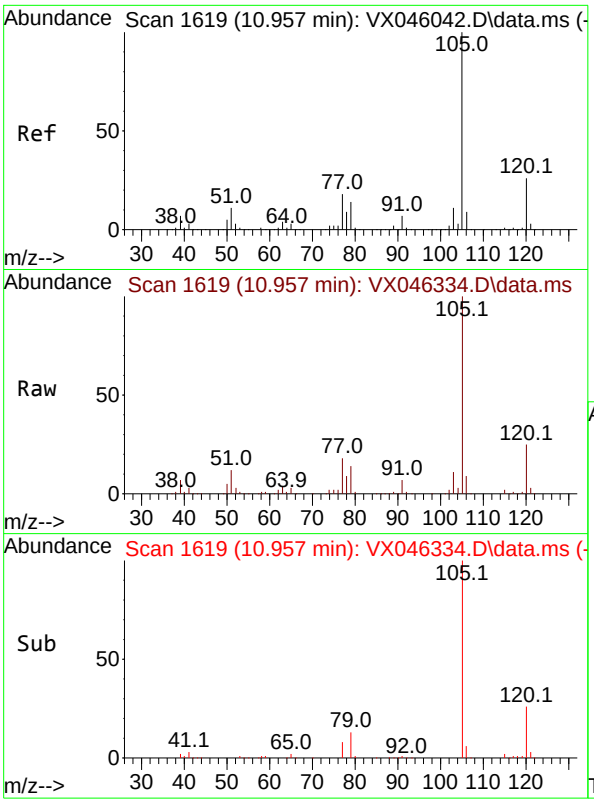



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:152 Resp: 65596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 75.8 | 46.9 | 140.7 |
| 150 | 161.5 | 0.0 | 351.0 |

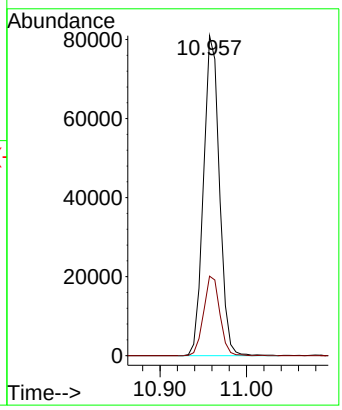





#73
Isopropylbenzene
Concen: 20.246 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:105 Resp: 10339

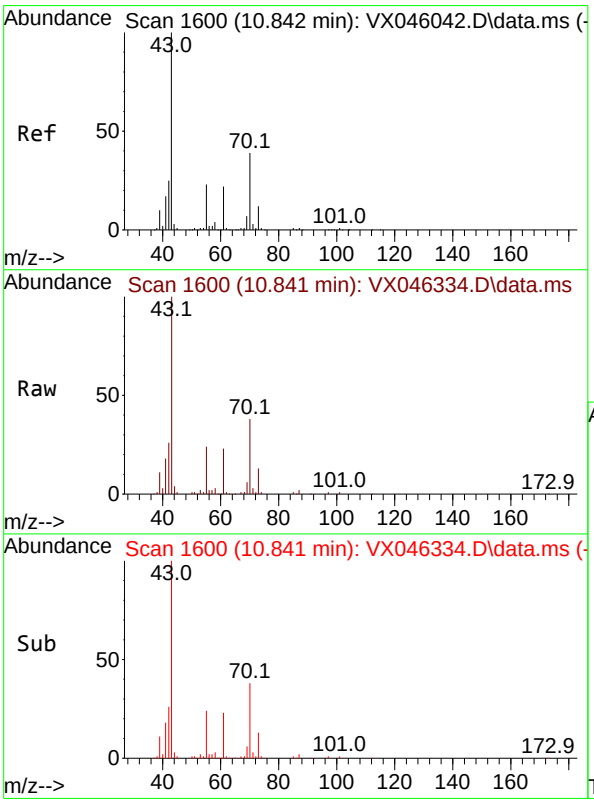
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.2 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

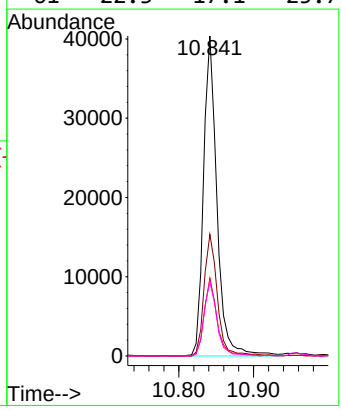
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

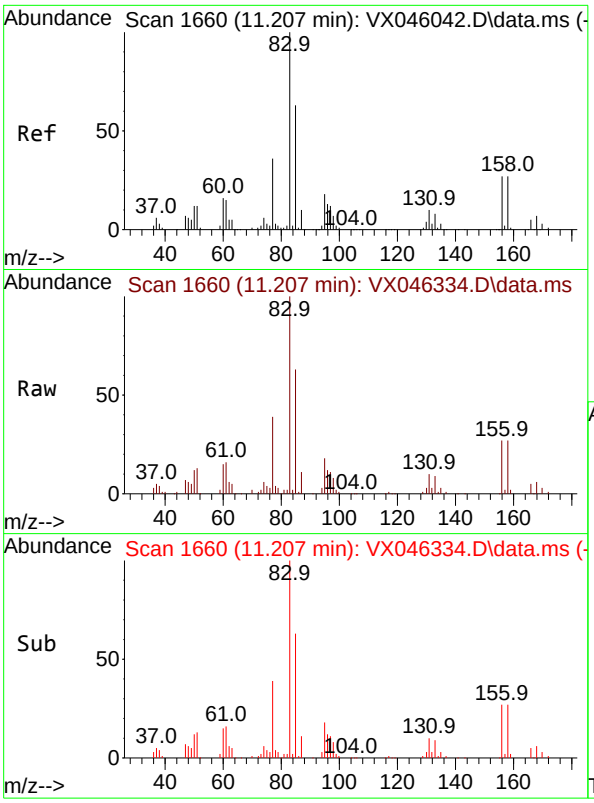



#74
N-amyl acetate
Concen: 19.965 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 43 Resp: 50382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 37.9 | 30.9 | 46.3 |
| 55 | 23.4 | 18.7 | 28.1 |
| 61 | 22.3 | 17.1 | 25.7 |






#75
1,1,2,2-Tetrachloroethane
Concen: 20.176 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

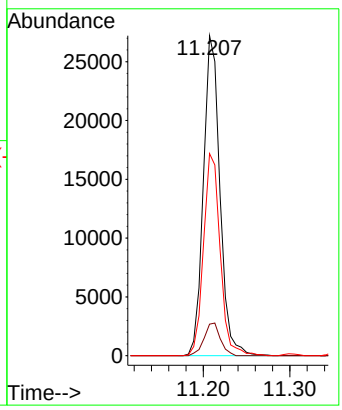
Tgt Ion: 83 Resp: 3610

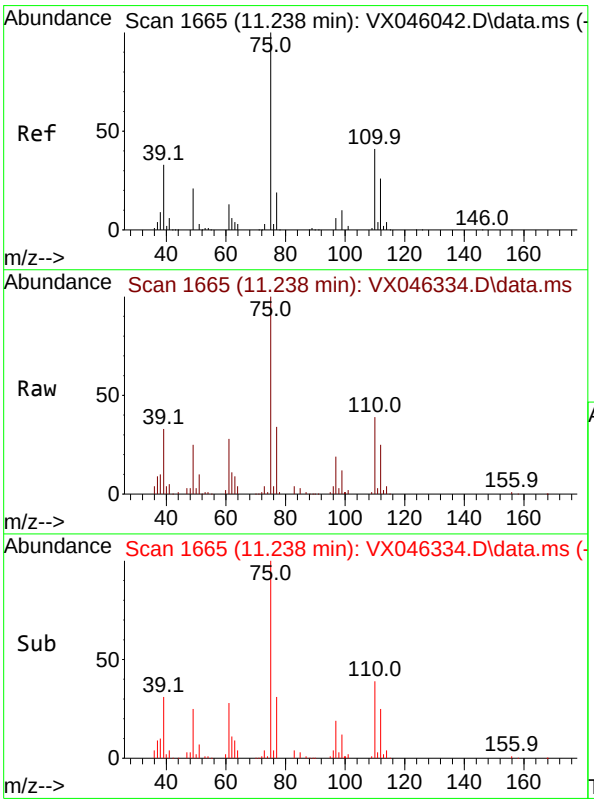
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.0 | 14.9 |
| 85 | 63.6 | 31.9 | 95.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

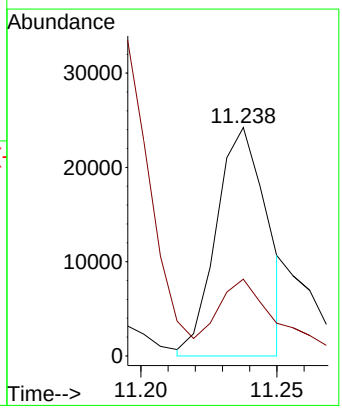


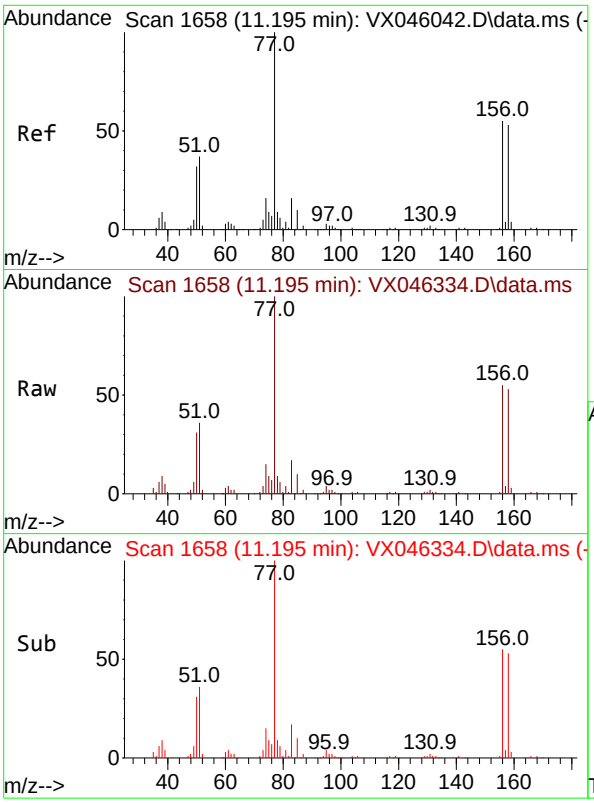




#76
1,2,3-Trichloropropane
Concen: 19.881 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 75 Resp: 31390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.9 | 20.5 | 61.5 |

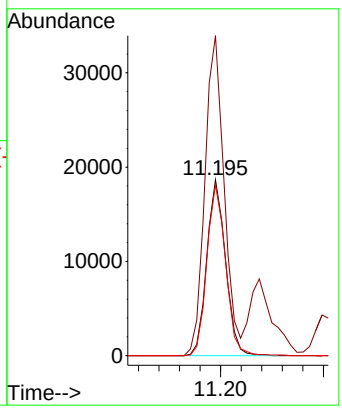





#77
Bromobenzene
Concen: 19.979 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:156 Resp: 2368

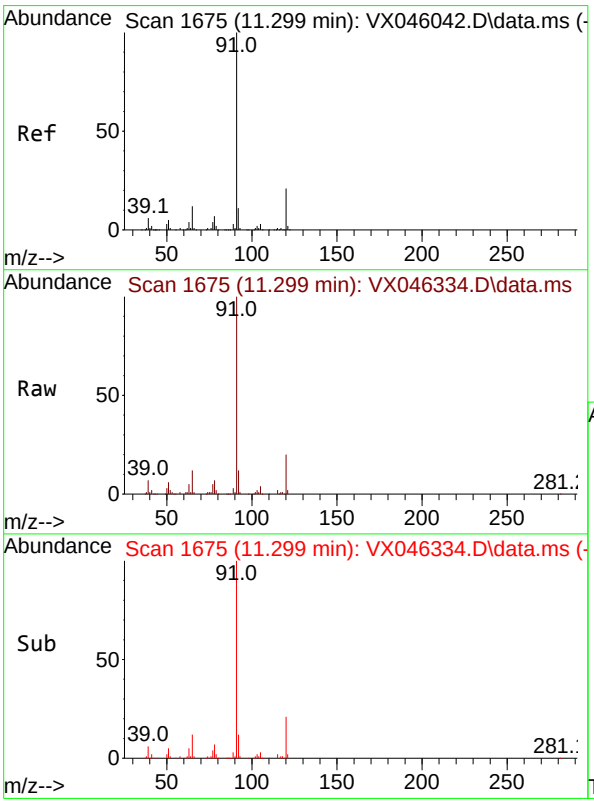
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 186.0 | 92.8 | 278.3 |
| 158 | 97.0 | 48.8 | 146.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

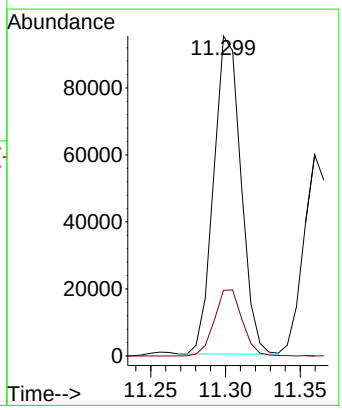
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

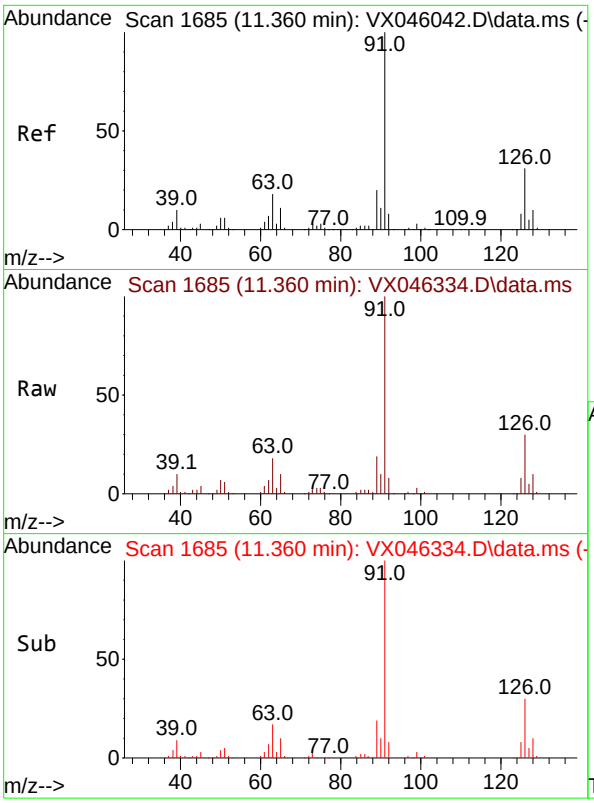



#78
n-propylbenzene
Concen: 20.282 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 91 Resp: 120436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.2 | 10.8 | 32.4 |






#79
2-Chlorotoluene
Concen: 19.991 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

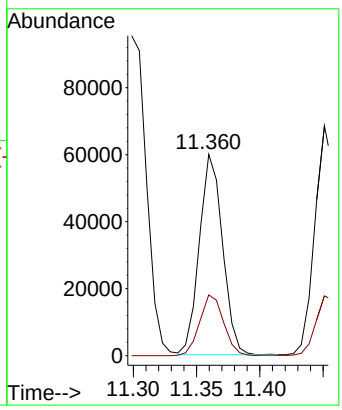
Tgt Ion: 91 Resp: 7656

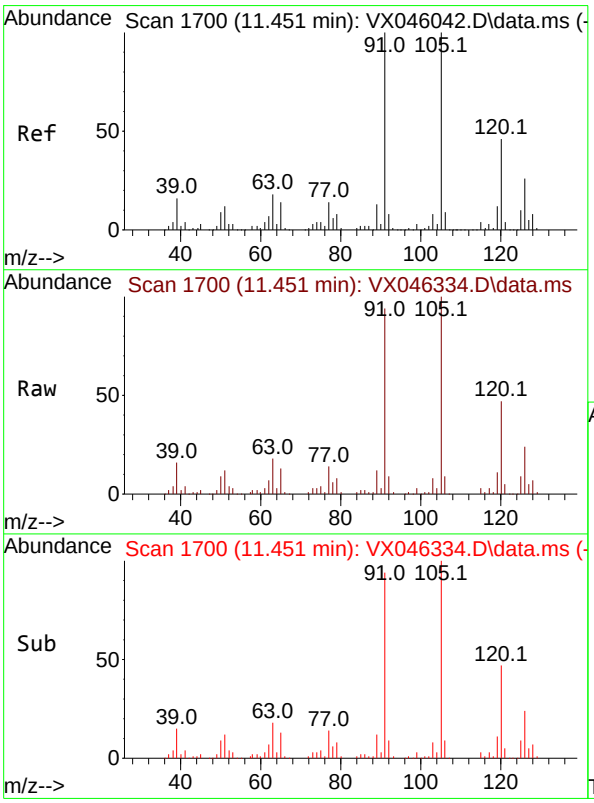
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.5 | 15.6 | 46.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

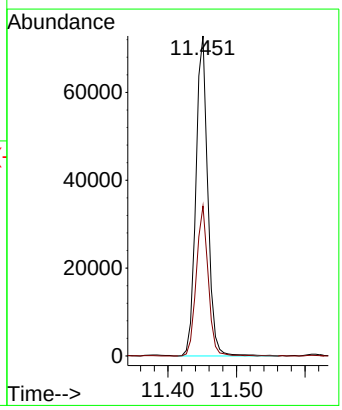


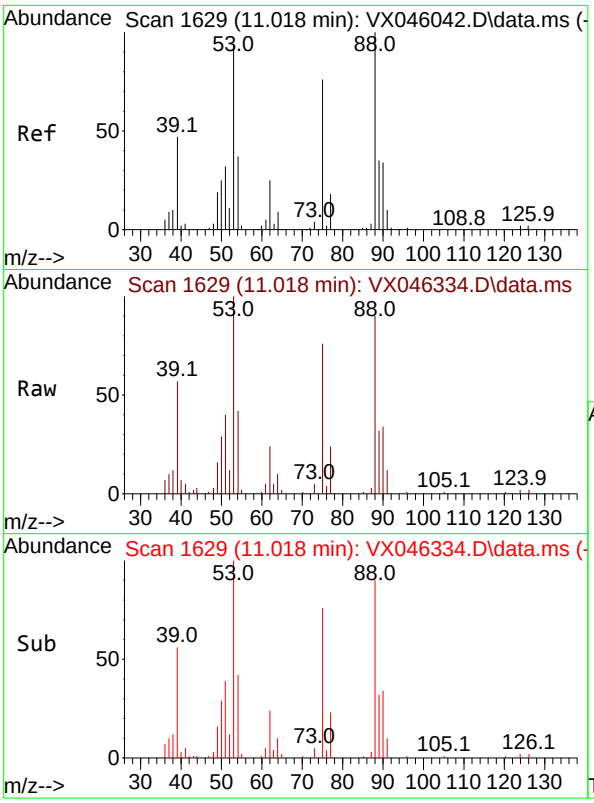




#80
1,3,5-Trimethylbenzene
Concen: 20.669 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:105 Resp: 88181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.7 | 23.1 | 69.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 19.044 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

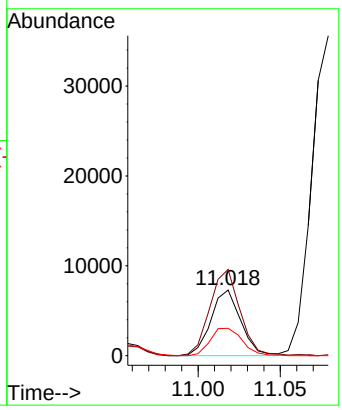
Tgt Ion: 75 Resp: 923

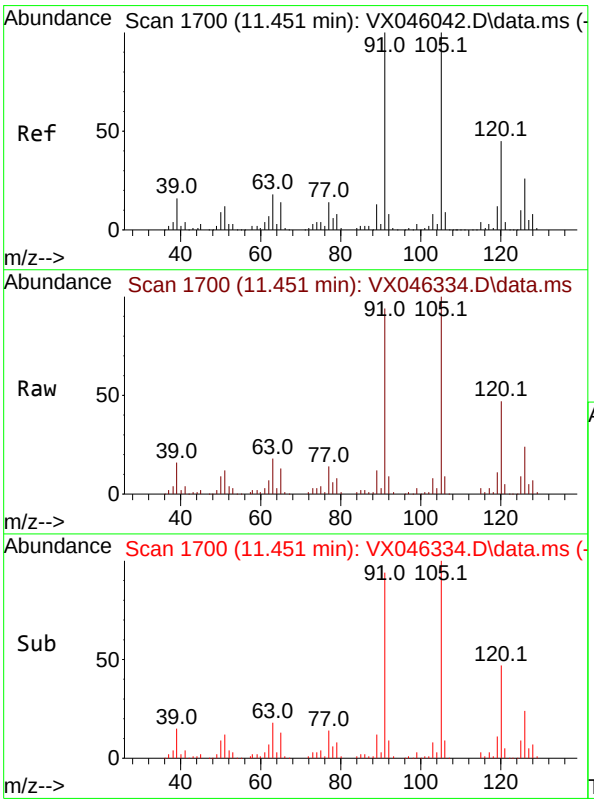
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 132.8 | 100.5 | 150.7 |
| 89 | 44.7 | 37.0 | 55.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

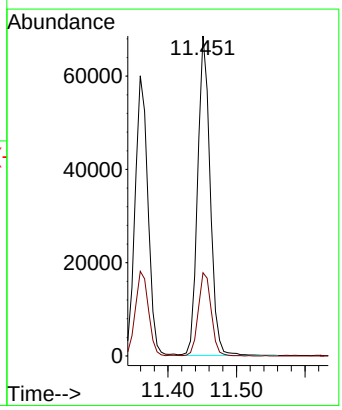


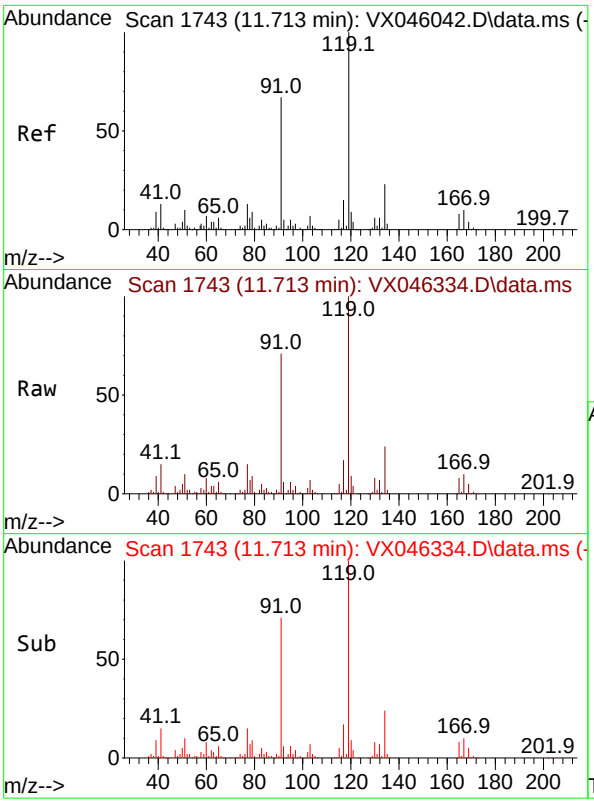




#82
4-Chlorotoluene
Concen: 20.476 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 91 Resp: 86969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.9 | 13.3 | 39.8 |

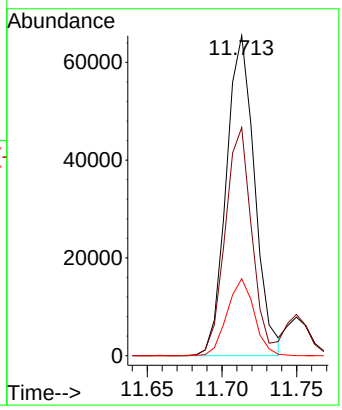





#83
tert-Butylbenzene
Concen: 20.063 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:119 Resp: 8621

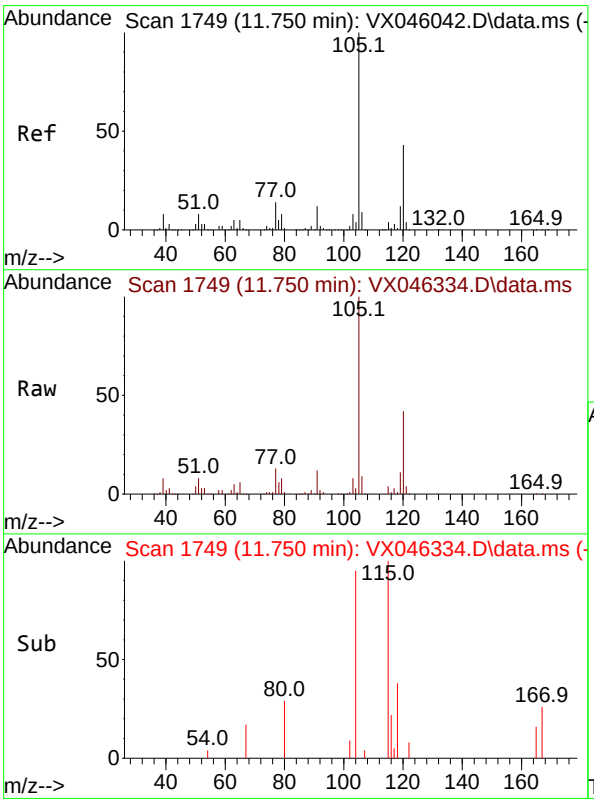
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.7 | 32.9 | 98.7 |
| 134 | 22.9 | 11.4 | 34.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

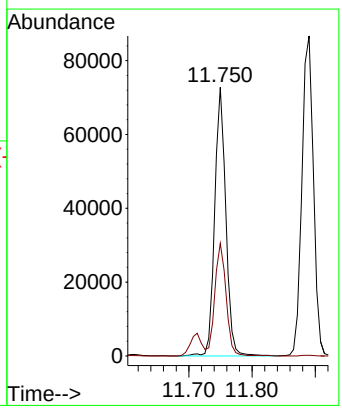
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

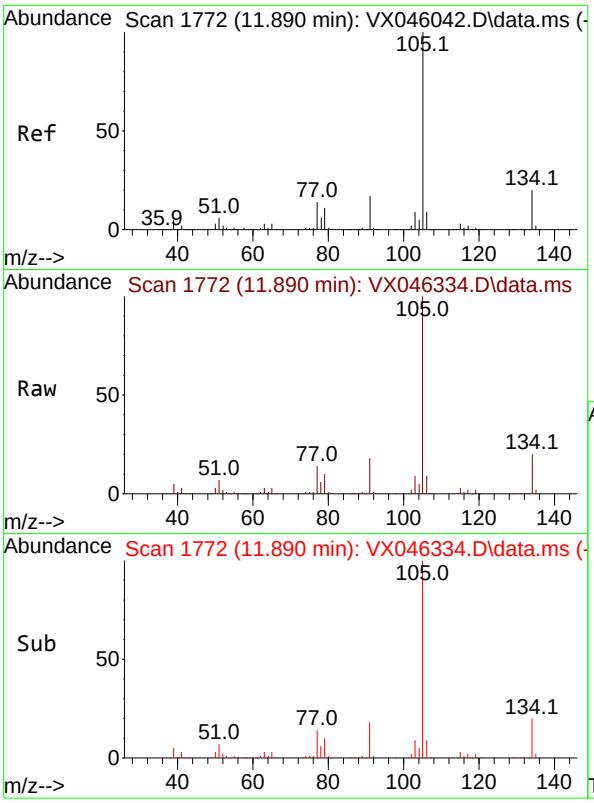



#84
1,2,4-Trimethylbenzene
Concen: 20.580 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:105 Resp: 88916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.6 | 21.2 | 63.6 |






#85
sec-Butylbenzene
Concen: 20.640 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

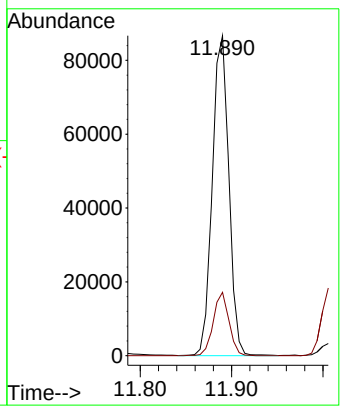
Tgt Ion:105 Resp: 10890

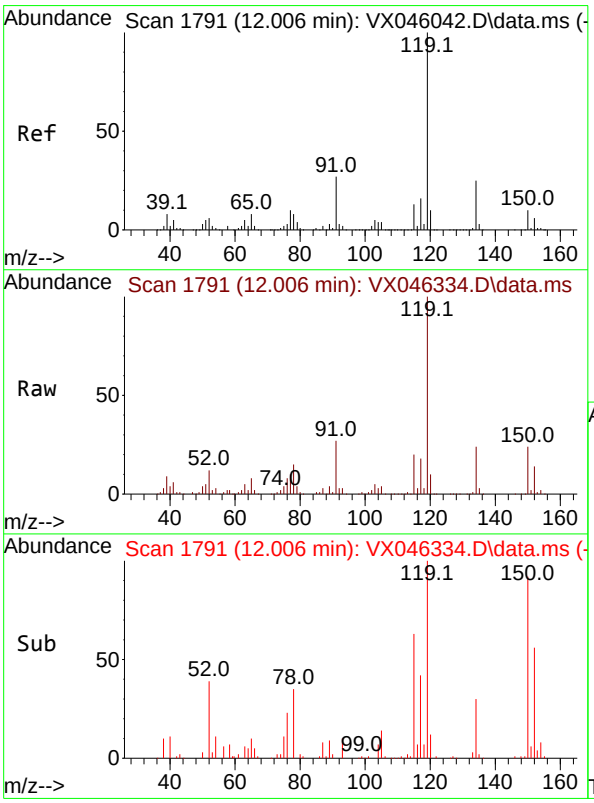
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.8 | 9.7 | 29.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

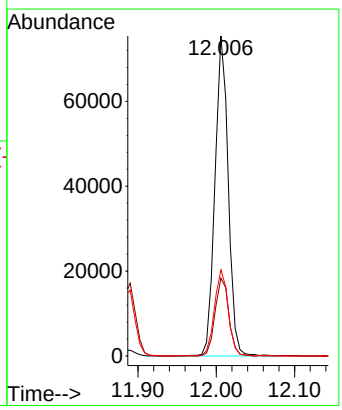


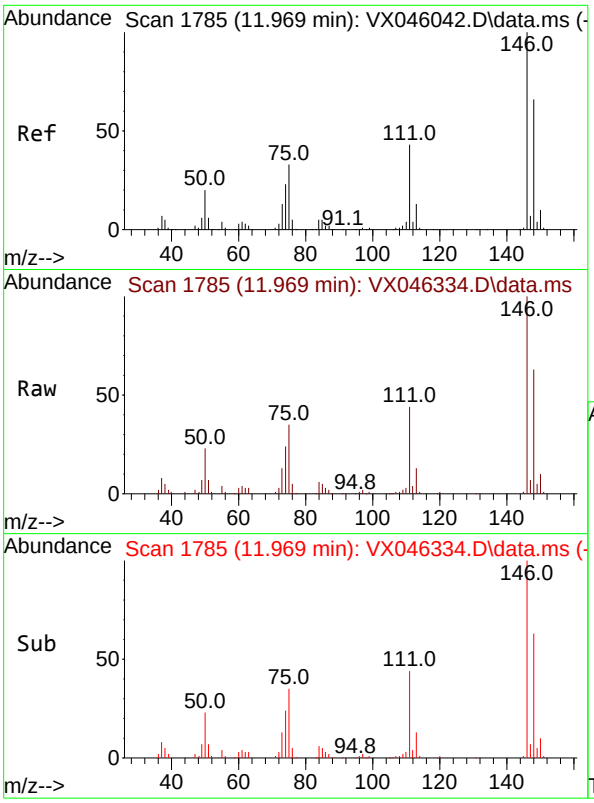




#86
p-Isopropyltoluene
Concen: 20.402 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:119 Resp: 88860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.1 | 12.5 | 37.5 |
| 91 | 27.9 | 13.8 | 41.4 |

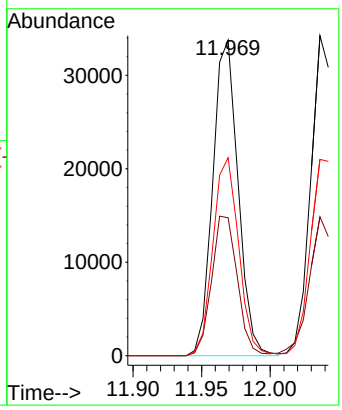





#87
1,3-Dichlorobenzene
Concen: 20.048 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:146 Resp: 4337

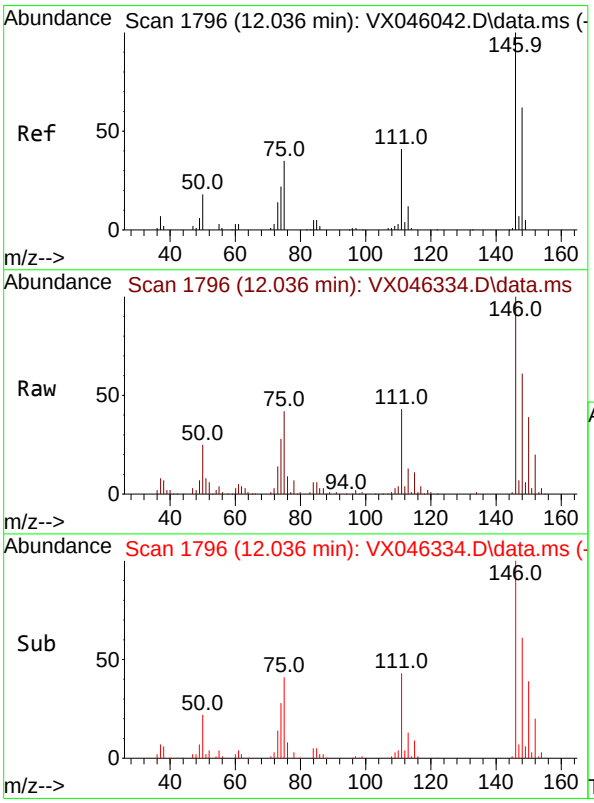
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.0 | 22.1 | 66.3 |
| 148 | 64.0 | 32.1 | 96.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

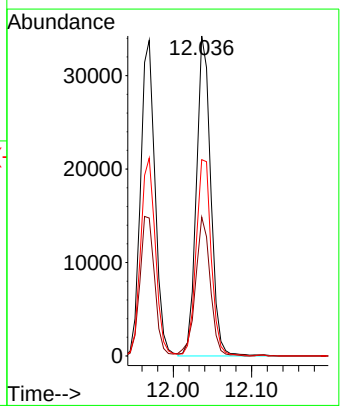
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

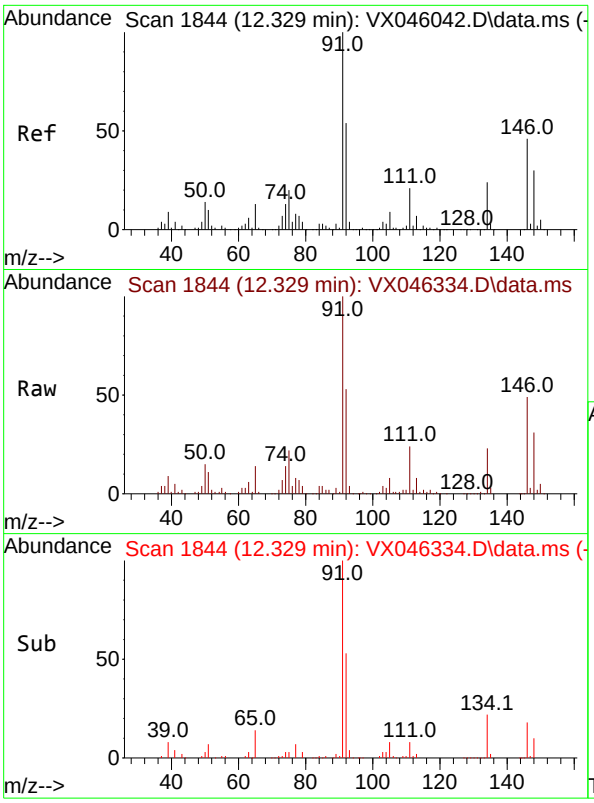



#88
1,4-Dichlorobenzene
Concen: 19.826 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:146 Resp: 43812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.6 | 21.3 | 63.9 |
| 148 | 64.6 | 31.9 | 95.5 |

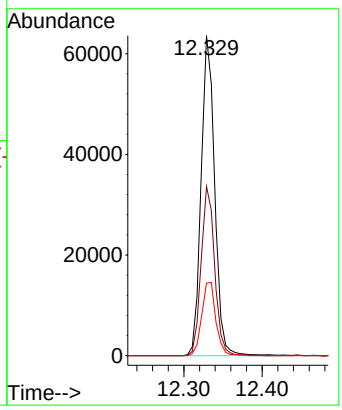





#89
n-Butylbenzene
Concen: 19.997 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 91 Resp: 7639

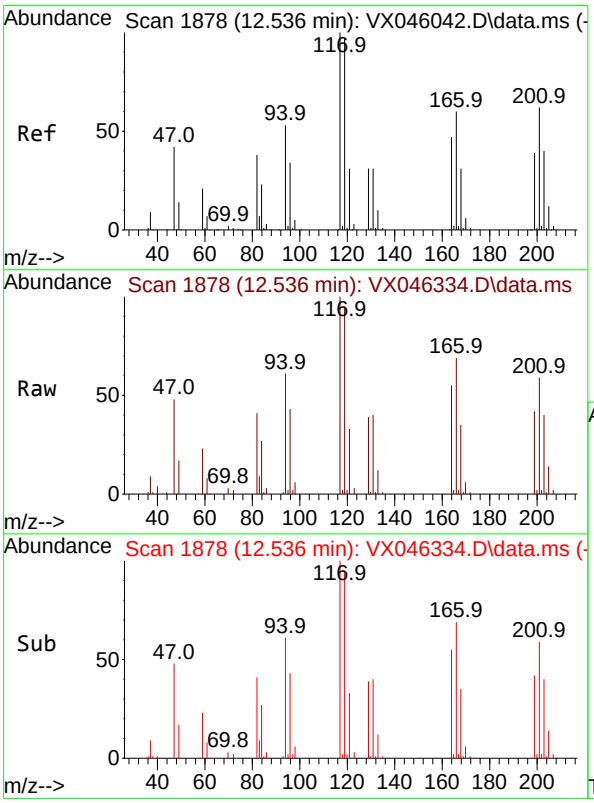
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.0 | 26.9 | 80.7 |
| 134 | 23.9 | 11.8 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

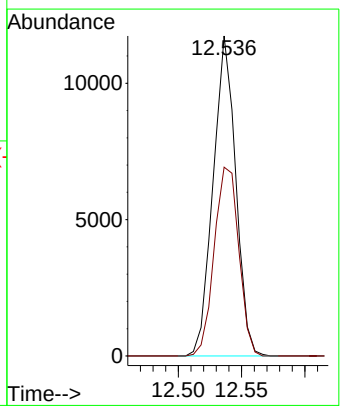
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

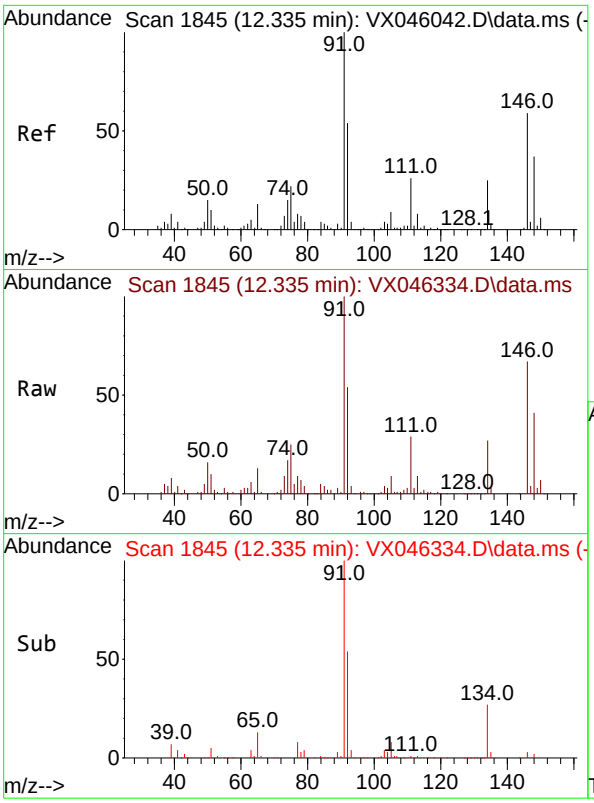



#90
Hexachloroethane
Concen: 18.984 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:117 Resp: 14567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.1 | 31.6 | 94.7 |

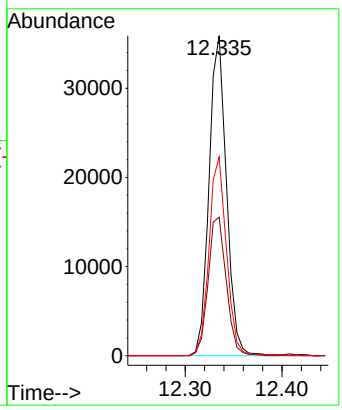





#91
1,2-Dichlorobenzene
Concen: 20.645 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:146 Resp: 4482

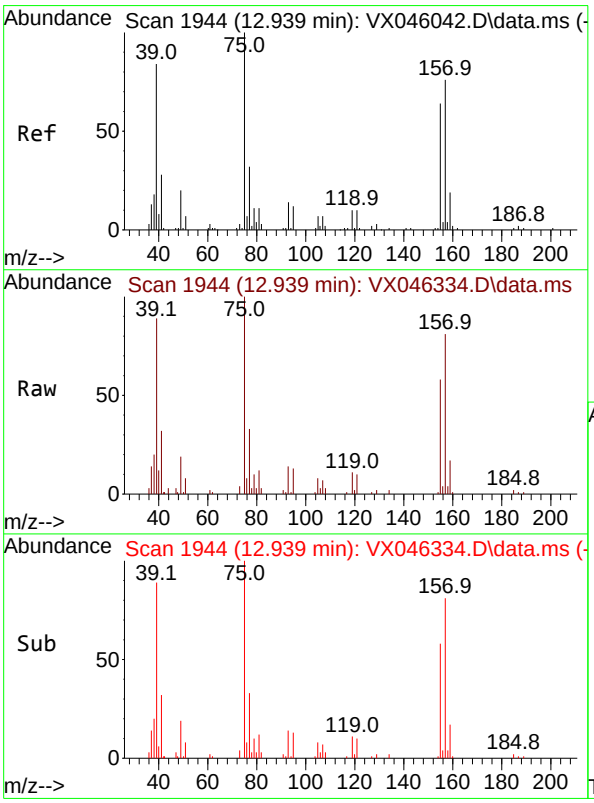
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.2 | 22.4 | 67.3 |
| 148 | 62.4 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

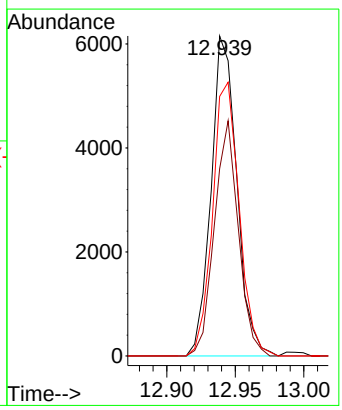
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

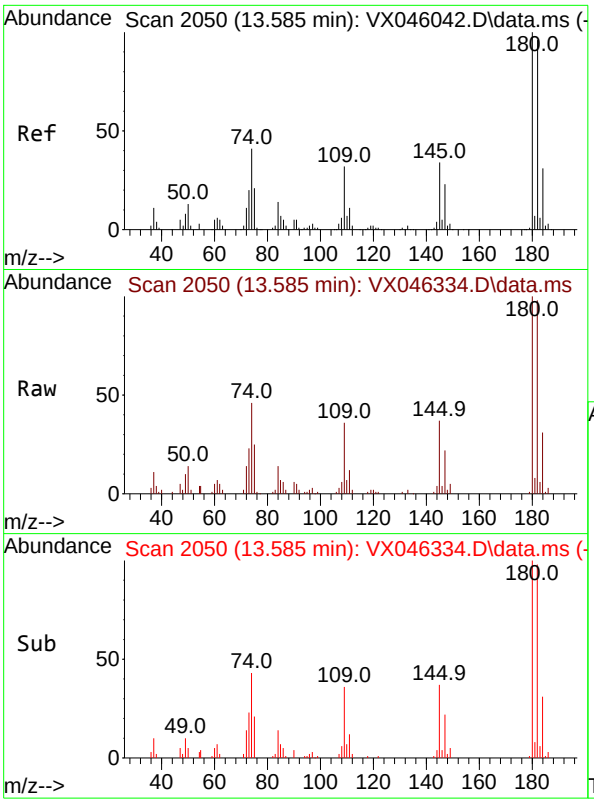



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.242 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 75 Resp: 8025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 68.6 | 34.9 | 104.8 |
| 157 | 88.4 | 43.8 | 131.4 |

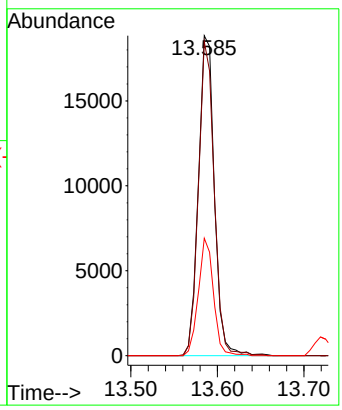





#93
1,2,4-Trichlorobenzene
Concen: 19.356 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:180 Resp: 2414

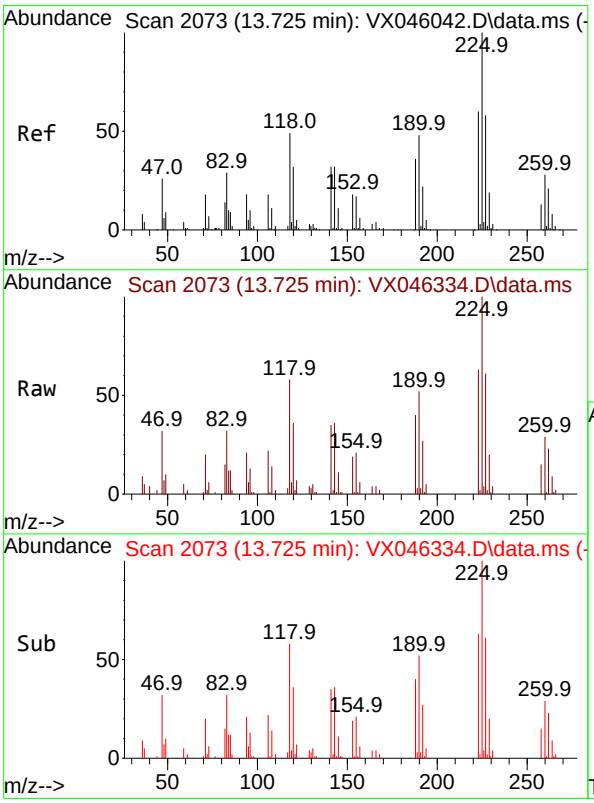
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 47.9 | 143.8 |
| 145 | 34.8 | 17.1 | 51.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

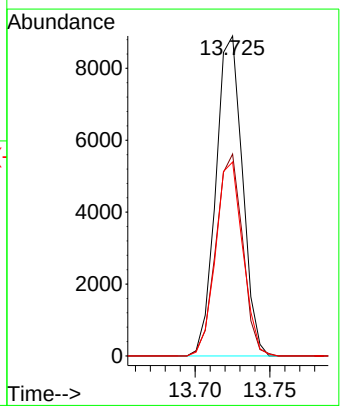
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

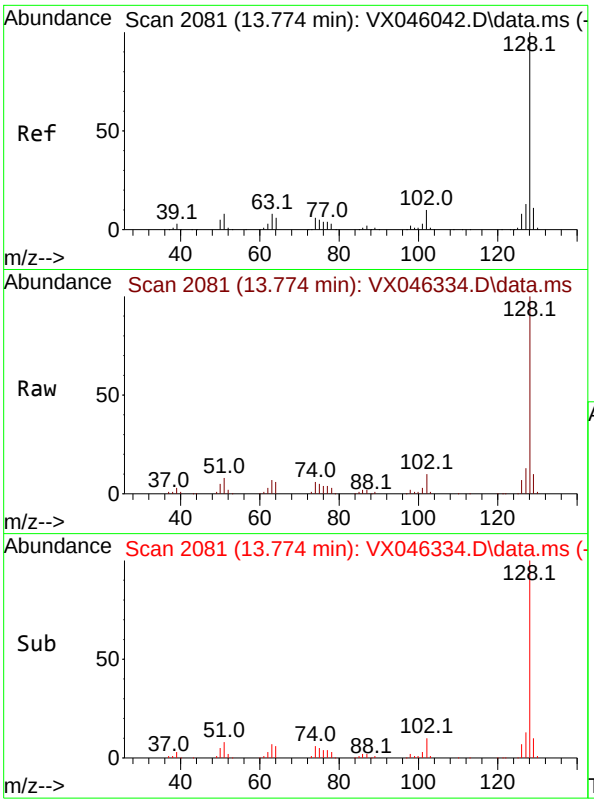



#94
Hexachlorobutadiene
Concen: 20.225 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:225 Resp: 11016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 30.8 | 92.4 |
| 227 | 61.8 | 30.9 | 92.7 |

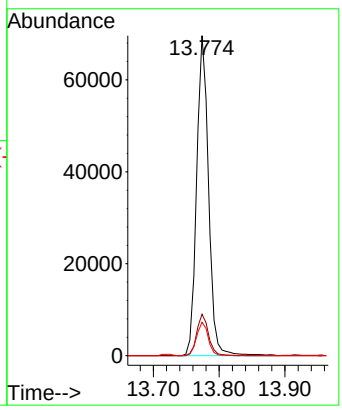





#95
Naphthalene
Concen: 19.079 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:128 Resp: 8726

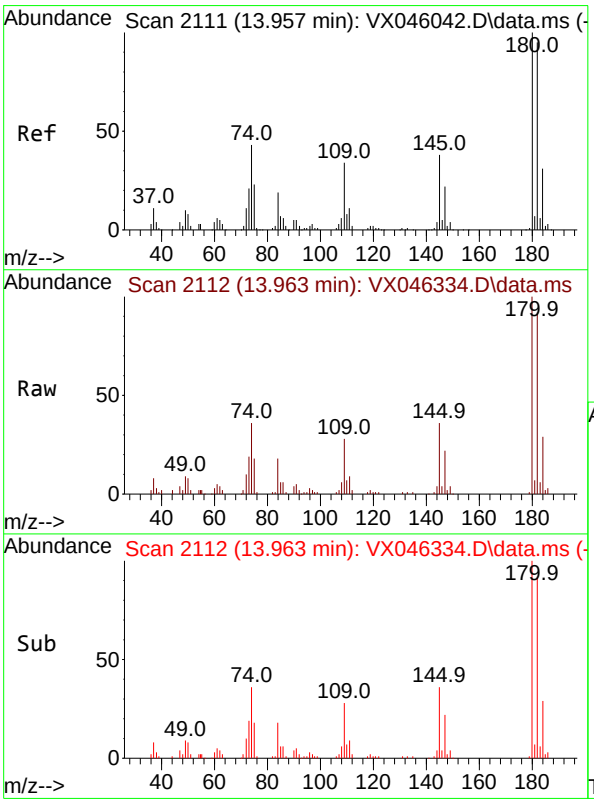
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.4 | 15.6 |
| 129 | 10.3 | 8.6 | 13.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

**Manual Integrations**
**APPROVED**

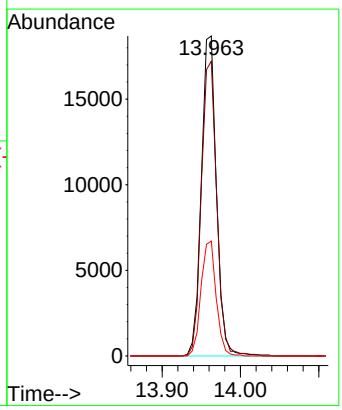
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 19.420 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:180 Resp: 24990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.4 | 47.8 | 143.3 |
| 145 | 36.0 | 18.1 | 54.3 |



Raw Data: **VX046337.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0523WBSD01 | SDG No.: | Q2120 |
| Lab Sample ID: | VX0523WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046337.D | 1 | | 05/23/25 12:10 | VX052325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 18.5 | | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 17.4 | | 0.26 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 17.6 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 19.9 | | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 19.6 | | 0.33 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 19.6 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 18.5 | | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 100 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 14.1 | | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 20.8 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 18.6 | | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 18.6 | | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 20.5 | | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 110 | | 0.98 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 19.1 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 20.2 | | 0.19 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 21.0 | | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 20.4 | | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 18.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 20.4 | | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 20.7 | | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 19.8 | | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 21.3 | | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 20.3 | | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 110 | | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 20.7 | | 0.14 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 19.3 | | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 20.0 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 21.7 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 110 | | 0.89 | 2.50 | 5.00 | ug/L |

Raw Data: **VX046337.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0523WBSD01 | SDG No.: | Q2120 |
| Lab Sample ID: | VX0523WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046337.D | 1 | | 05/23/25 12:10 | VX052325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 20.3 | | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 20.2 | | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 20.0 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 20.7 | | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 41.1 | | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 21.0 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 21.5 | | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 18.5 | | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 21.5 | | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 21.2 | | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 20.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 20.6 | | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 21.9 | | 0.16 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.2 | | 81 - 118 | | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.1 | | 80 - 119 | | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.3 | | 89 - 112 | | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.8 | | 85 - 114 | | 104% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 88800 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 156000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 139000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 64500 | 12.018 | | | | |

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046337.D
Acq On : 23 May 2025 12:10
Operator : JC/MD
Sample : VX0523WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 23 22:59:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 88781 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 156018 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 138561 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 64515 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 83078 | 50.193 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.380% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 57411 | 51.100 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.200% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 195435 | 50.259 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 100.520% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 77206 | 51.761 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 103.520% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 25474 | 18.747 | ug/l | 97 |
| 3) Chloromethane | 1.301 | 50 | 24413 | 18.526 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 21369 | 17.424 | ug/l | 96 |
| 5) Bromomethane | 1.599 | 94 | 9985 | 17.554 | ug/l | 97 |
| 6) Chloroethane | 1.673 | 64 | 13061 | 19.949 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.880 | 101 | 35491 | 19.581 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 11569 | 18.750 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 21961 | 19.579 | ug/l | 99 |
| 10) Methyl Iodide | 2.447 | 142 | 24410 | 18.391 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.971 | 59 | 23549 | 101.358 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 2.313 | 96 | 19463 | 18.488 | ug/l | 97 |
| 13) Acrolein | 2.233 | 56 | 25046 | 94.659 | ug/l | 98 |
| 14) Allyl chloride | 2.660 | 41 | 39575 | 19.670 | ug/l | 97 |
| 15) Acrylonitrile | 3.063 | 53 | 70219 | 105.696 | ug/l | 99 |
| 16) Acetone | 2.380 | 43 | 66639 | 100.414 | ug/l | 99 |
| 17) Carbon Disulfide | 2.508 | 76 | 35232 | 14.117 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 37985 | 24.666 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 76705 | 20.783 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 23632 | 18.582 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 19656 | 18.567 | ug/l | 97 |
| 22) Diisopropyl ether | 3.757 | 45 | 82218 | 21.156 | ug/l | 94 |
| 23) Vinyl Acetate | 3.721 | 43 | 343611 | 100.524 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 44347 | 20.487 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 101697 | 105.553 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 33007 | 19.482 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 25739 | 20.196 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 22384 | 21.483 | ug/l | 97 |
| 29) Tetrahydrofuran | 5.007 | 42 | 63143 | 104.588 | ug/l | 99 |
| 30) Chloroform | 5.087 | 83 | 47399 | 21.008 | ug/l | 96 |
| 31) Cyclohexane | 5.465 | 56 | 37631 | 19.078 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 39871 | 20.386 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 29850 | 19.774 | ug/l | 100 |
| 37) Ethyl Acetate | 4.715 | 43 | 37140 | 19.914 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 32350 | 19.073 | ug/l | 98 |
| 39) Methylcyclohexane | 7.379 | 83 | 36232 | 18.644 | ug/l | 95 |
| 40) Benzene | 6.031 | 78 | 90373 | 20.439 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046337.D
Acq On : 23 May 2025 12:10
Operator : JC/MD
Sample : VX0523WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 23 22:59:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 21497 | 22.034 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 39414 | 20.654 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 59852 | 21.036 | ug/l | | 100 |
| 44) Trichloroethene | 7.123 | 130 | 21039 | 19.770 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 23384 | 21.269 | ug/l | | 98 |
| 46) Dibromomethane | 7.580 | 93 | 17380 | 20.043 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 34711 | 20.324 | ug/l | | 94 |
| 48) Methyl methacrylate | 7.690 | 41 | 31880 | 21.940 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 12226 | 443.135 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 203409 | 107.703 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 56025 | 20.664 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 29223 | 19.250 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 33496 | 19.964 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 23165 | 21.669 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 37300 | 21.892 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 40634 | 21.164 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 91224 | 105.020 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 154608 | 110.651 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 23795 | 20.267 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 23433 | 21.090 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 19788 | 20.184 | ug/l | | 95 |
| 65) Chlorobenzene | 10.080 | 112 | 60662 | 20.002 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 20600 | 19.892 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 110710 | 20.709 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 80300 | 41.069 | ug/l | | 97 |
| 69) o-Xylene | 10.640 | 106 | 40011 | 20.990 | ug/l | | 94 |
| 70) Styrene | 10.653 | 104 | 67035 | 21.468 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 14390 | 18.508 | ug/l | # | 97 |
| 73) Isopropylbenzene | 10.957 | 105 | 108018 | 21.506 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 53653 | 21.617 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 37352 | 21.221 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 32701m | 21.058 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 24128 | 20.692 | ug/l | | 98 |
| 78) n-propylbenzene | 11.299 | 91 | 122931 | 21.050 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 78220 | 20.765 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 91615 | 21.833 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 8375 | 17.558 | ug/l | | 89 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 88845 | 21.268 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 90311 | 21.367 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 92322 | 21.726 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 112789 | 21.734 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 92615 | 21.620 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 43835 | 20.598 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 44676 | 20.556 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 78814 | 20.975 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 14474 | 19.179 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 46803 | 21.916 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 8003 | 20.524 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 26034 | 21.225 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 10958 | 20.455 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 95806 | 21.296 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 26794 | 21.171 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046337.D
Acq On : 23 May 2025 12:10
Operator : JC/MD
Sample : VX0523WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 23 22:59:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

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

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

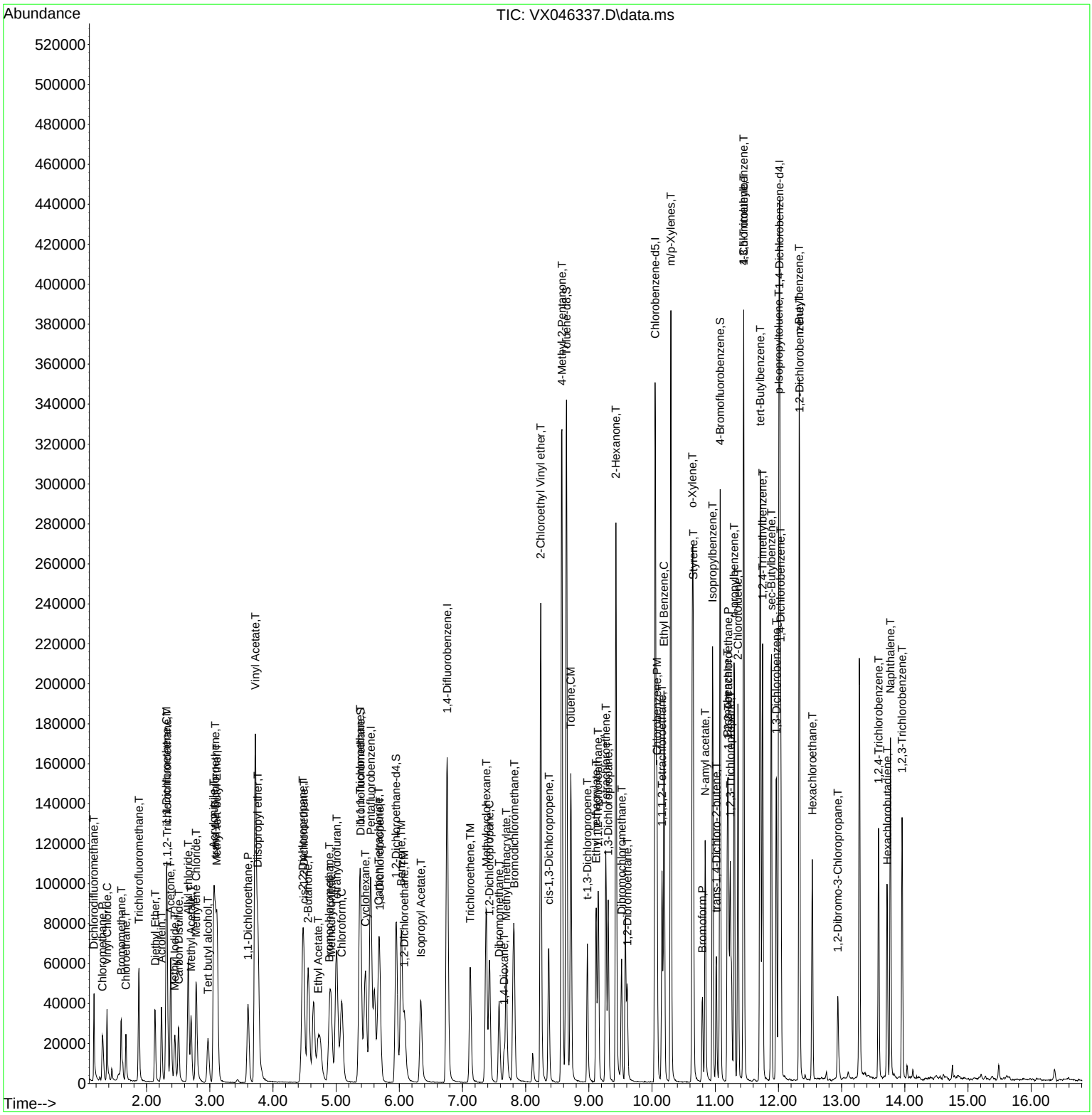
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046337.D
Acq On : 23 May 2025 12:10
Operator : JC/MD
Sample : VX0523WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

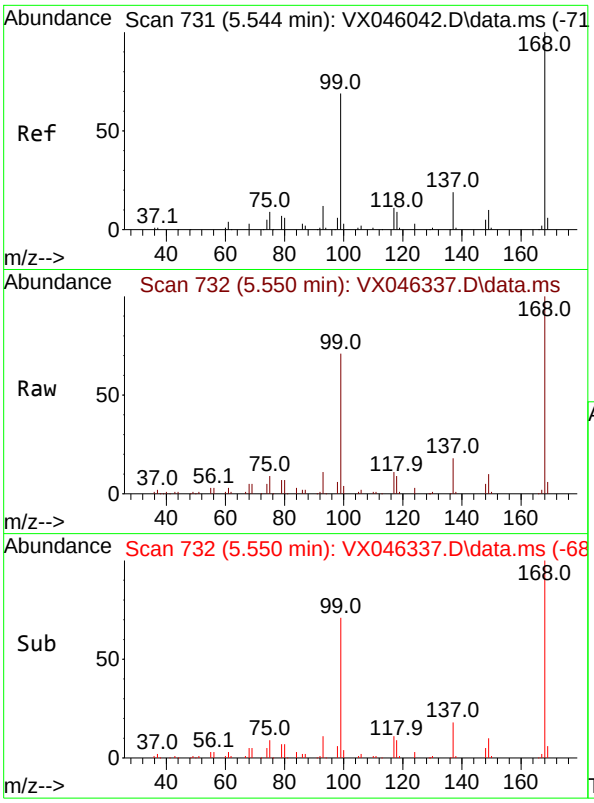
Quant Time: May 23 22:59:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

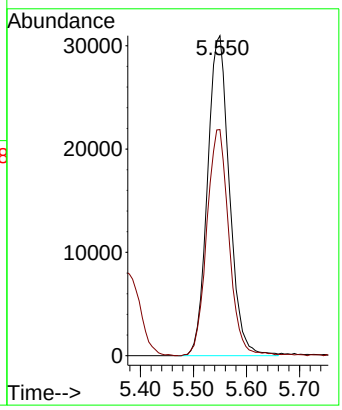





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:168 Resp: 8878

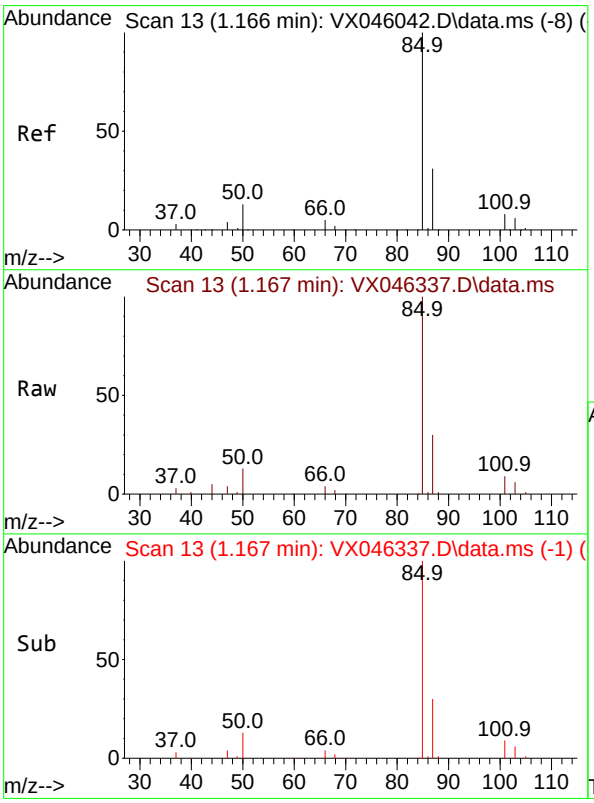
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 70.7 | 54.9 | 82.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

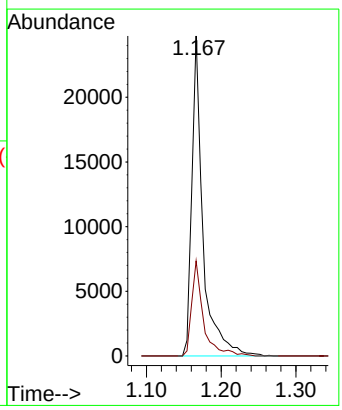
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

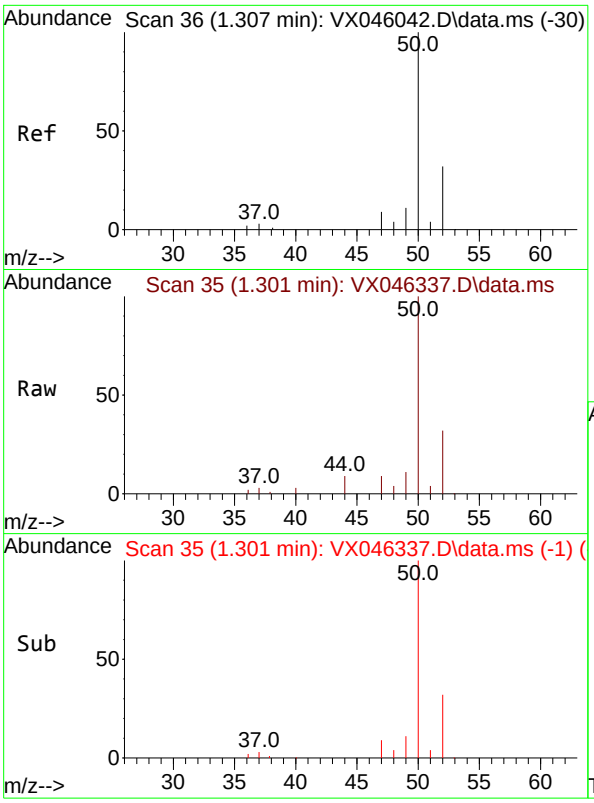



#2
Dichlorodifluoromethane
Concen: 18.747 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 85 Resp: 25474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 29.7 | 15.7 | 47.1 |

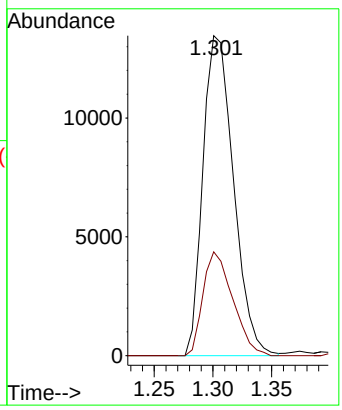





#3
Chloromethane
Concen: 18.526 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 50 Resp: 2441

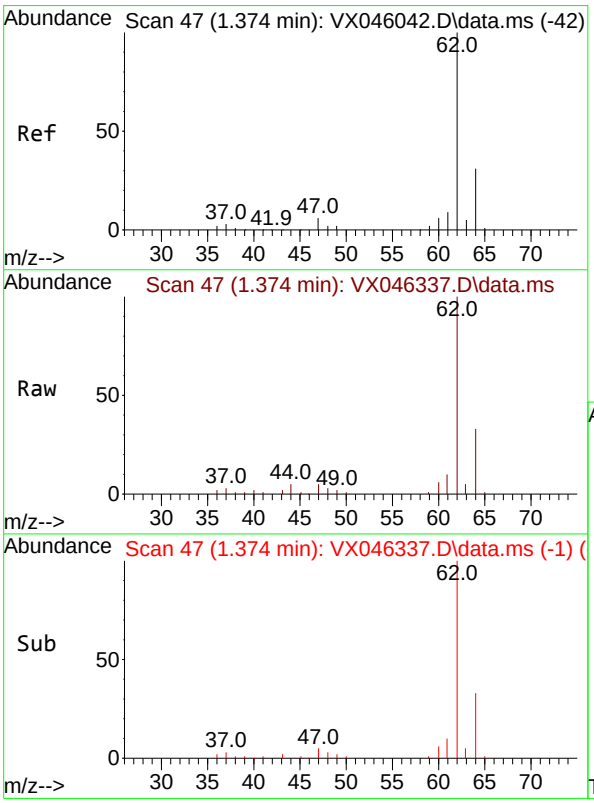
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

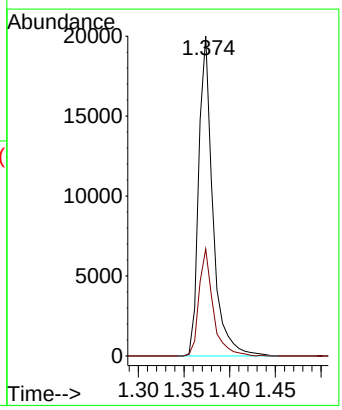
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

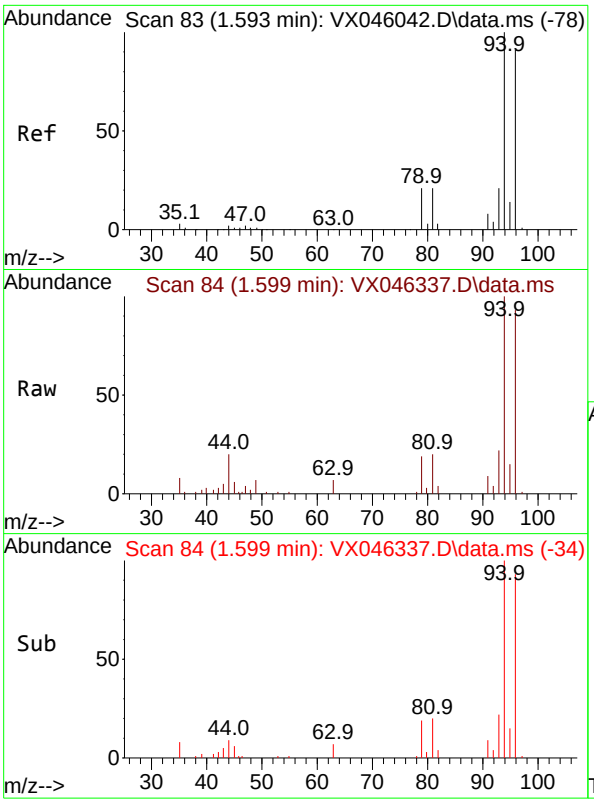



#4
Vinyl Chloride
Concen: 17.424 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 62 Resp: 21369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.5 | 25.2 | 37.8 |

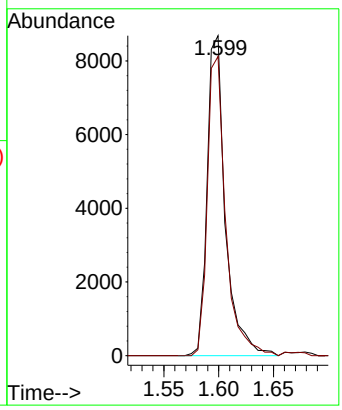





#5
Bromomethane
Concen: 17.554 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 94 Resp: 998

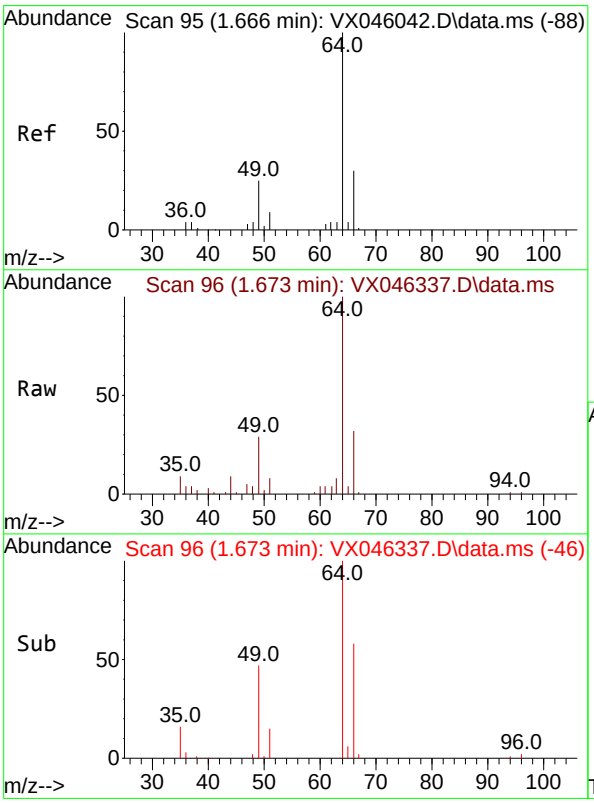
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.5 | 72.8 | 109.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

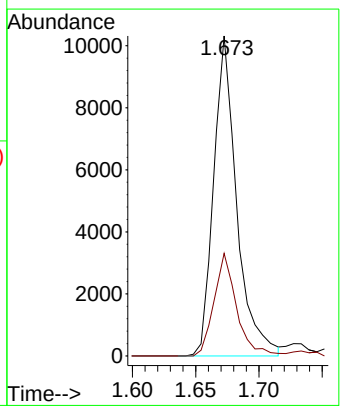
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

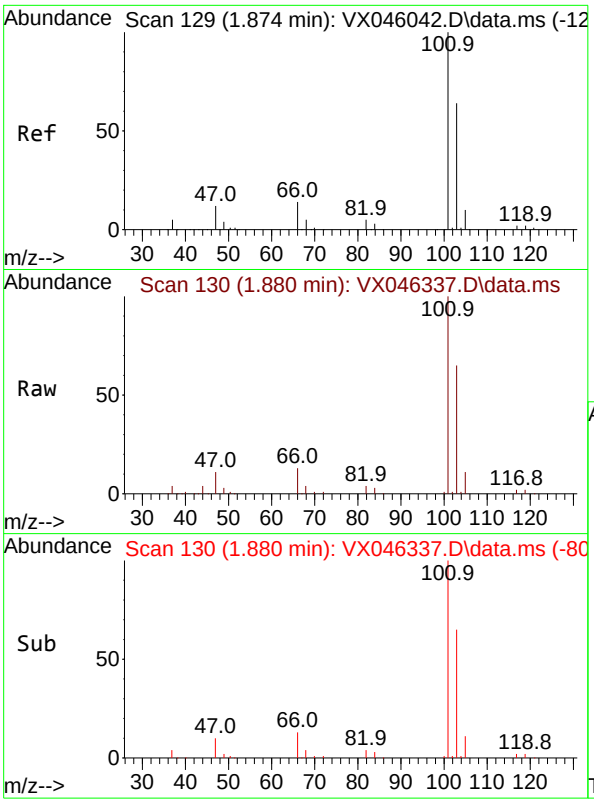



#6
Chloroethane
Concen: 19.949 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 64 Resp: 13061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.0 | 24.3 | 36.5 |

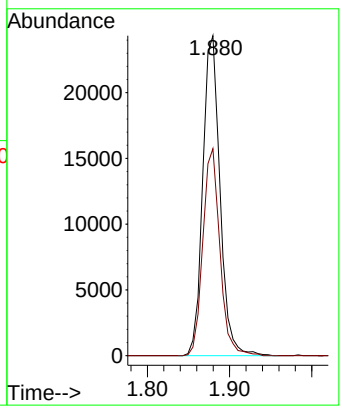





#7
Trichlorofluoromethane
Concen: 19.581 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:101 Resp: 3549

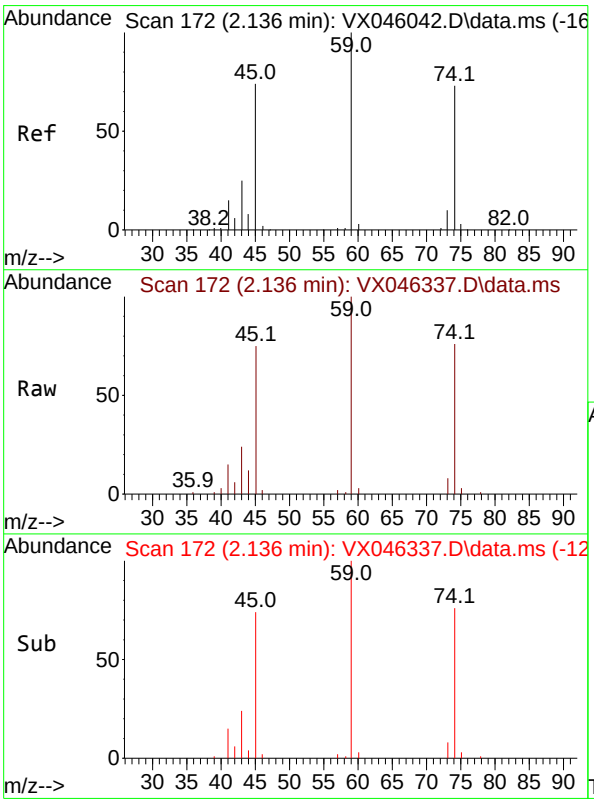
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.7 | 51.0 | 76.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

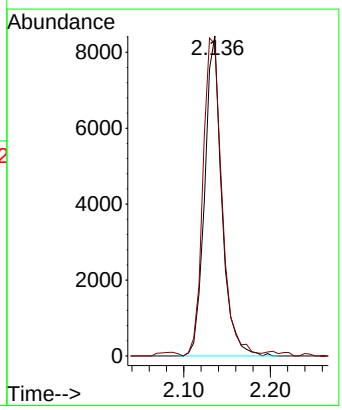
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

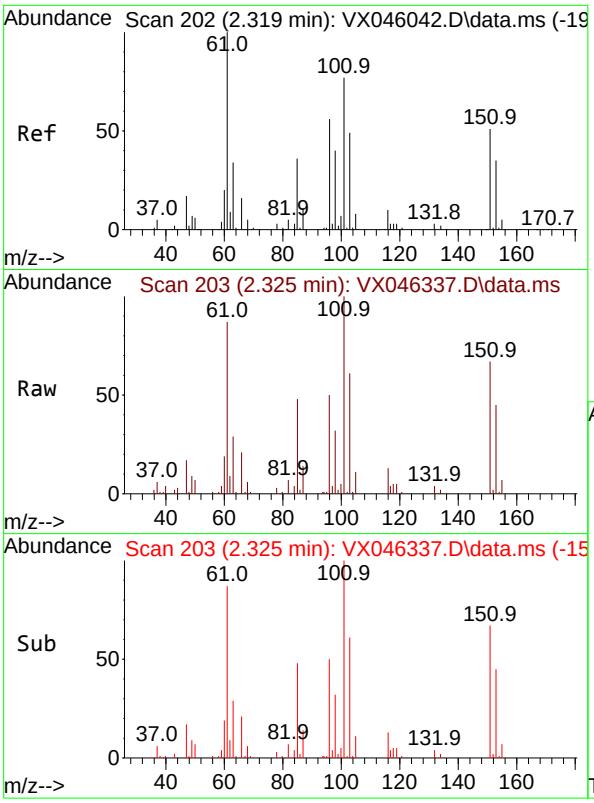



#8
Diethyl Ether
Concen: 18.750 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 74 Resp: 11569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 110.3 | 54.9 | 164.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.579 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

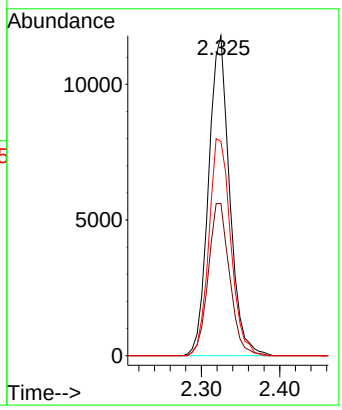
Tgt Ion:101 Resp: 2196

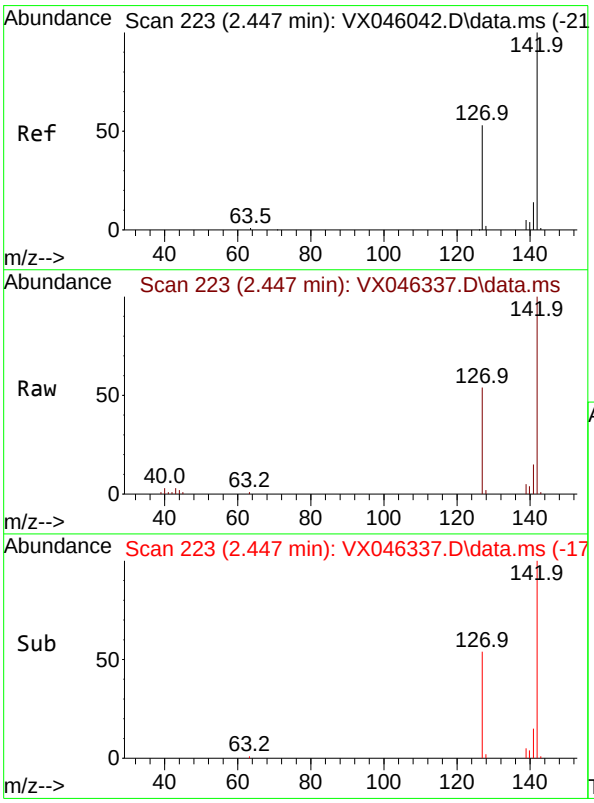
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.4 | 38.6 | 58.0 |
| 151 | 70.4 | 55.2 | 82.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

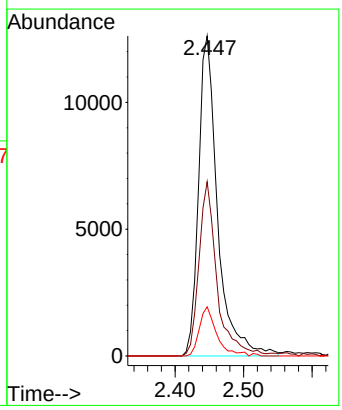


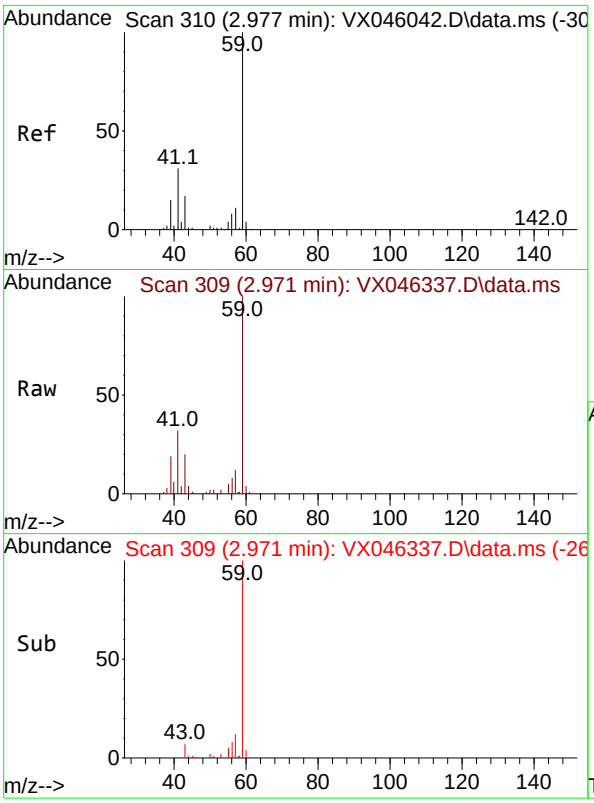




#10
Methyl Iodide
Concen: 18.391 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:142 Resp: 24410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 51.4 | 41.7 | 62.5 |
| 141 | 14.1 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 101.358 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

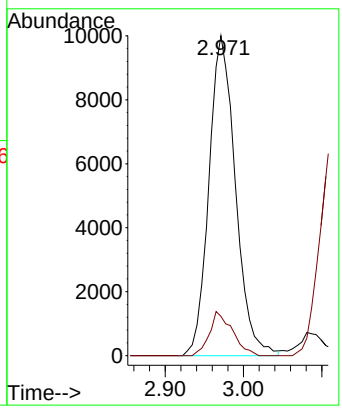
Tgt Ion: 59 Resp: 2354

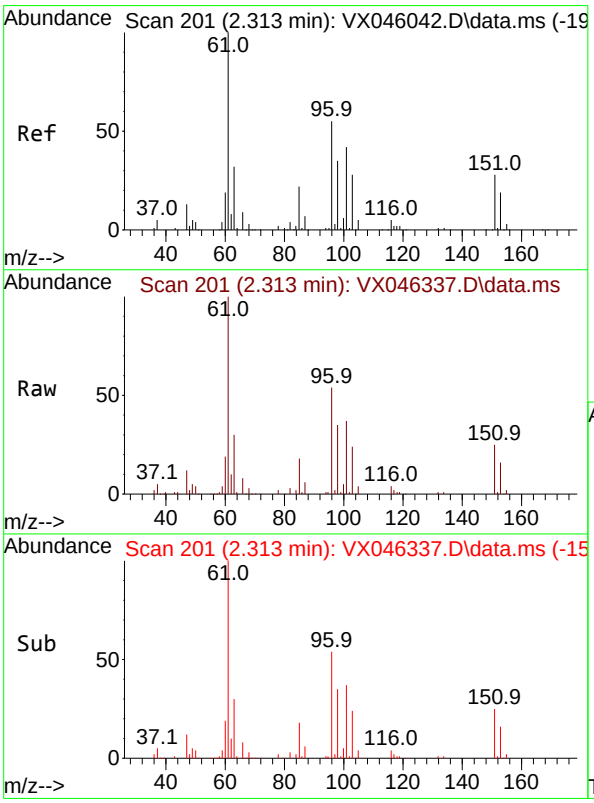
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.9 | 8.6 | 12.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

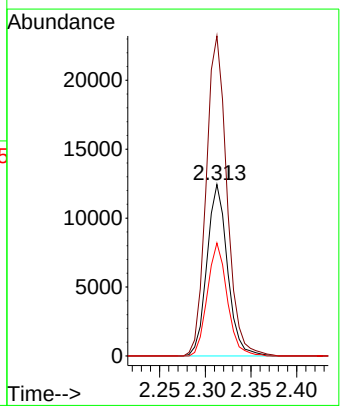


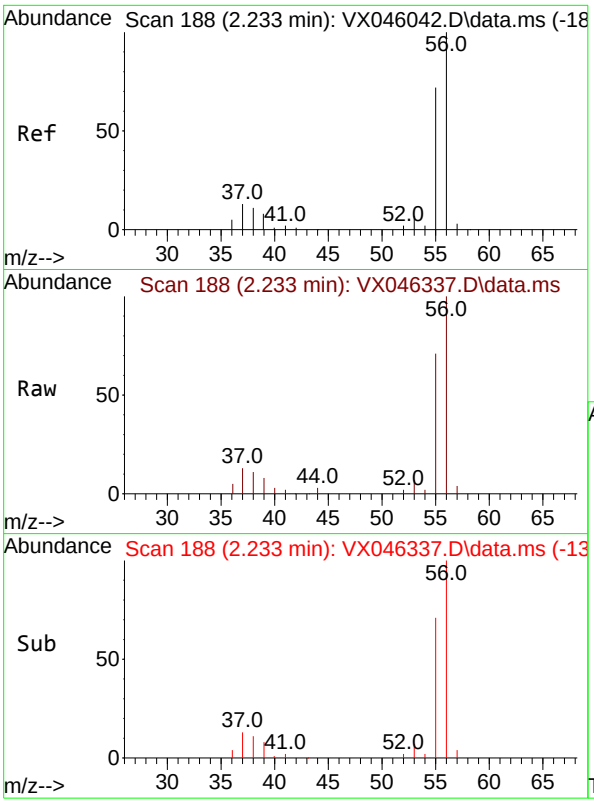




#12
1,1-Dichloroethene
Concen: 18.488 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 96 Resp: 19463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 186.6 | 146.2 | 219.2 |
| 98 | 65.9 | 51.0 | 76.6 |

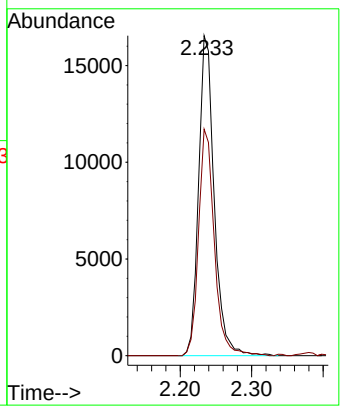





#13
Acrolein
Concen: 94.659 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 56 Resp: 2504

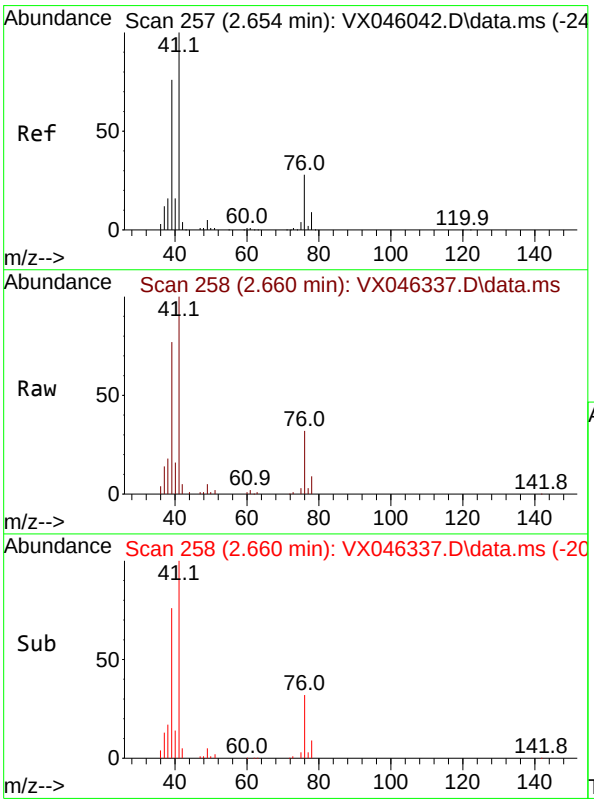
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.7 | 56.2 | 84.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

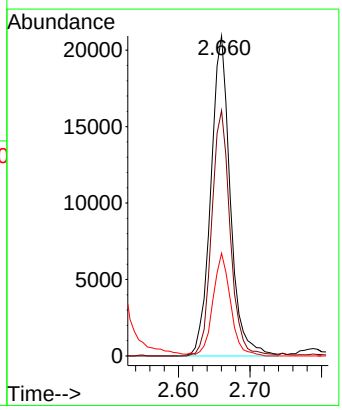
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

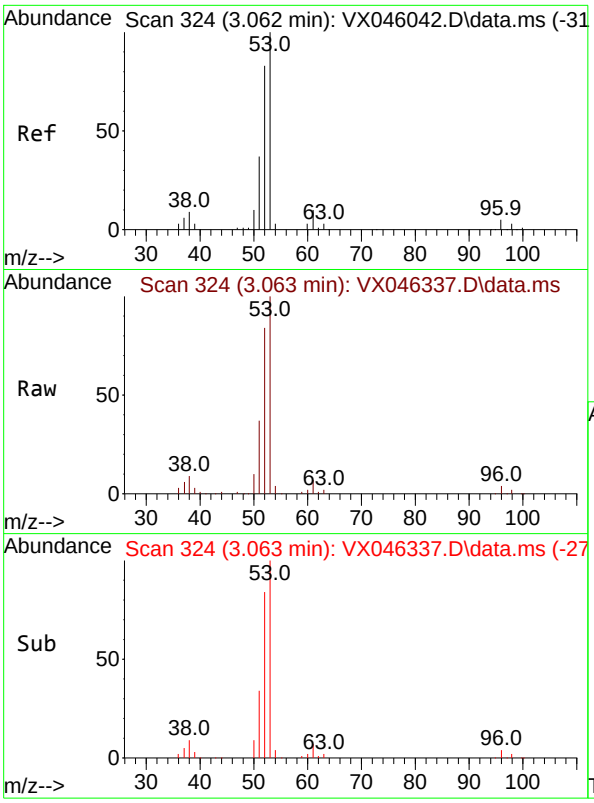



#14
Allyl chloride
Concen: 19.670 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 41 Resp: 39575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.8 | 60.6 | 90.8 |
| 76 | 29.2 | 24.9 | 37.3 |

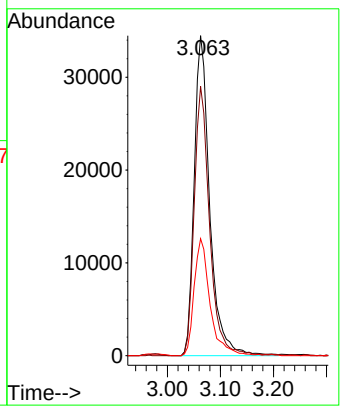





#15
Acrylonitrile
Concen: 105.696 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 53 Resp: 7021

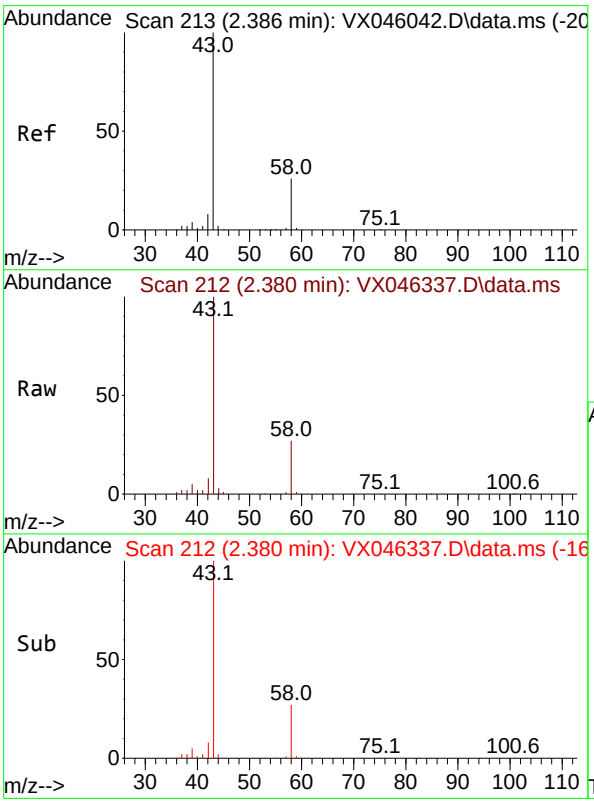
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.1 | 65.3 | 97.9 |
| 51 | 37.7 | 29.8 | 44.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

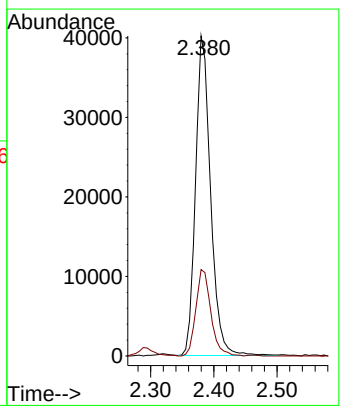
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

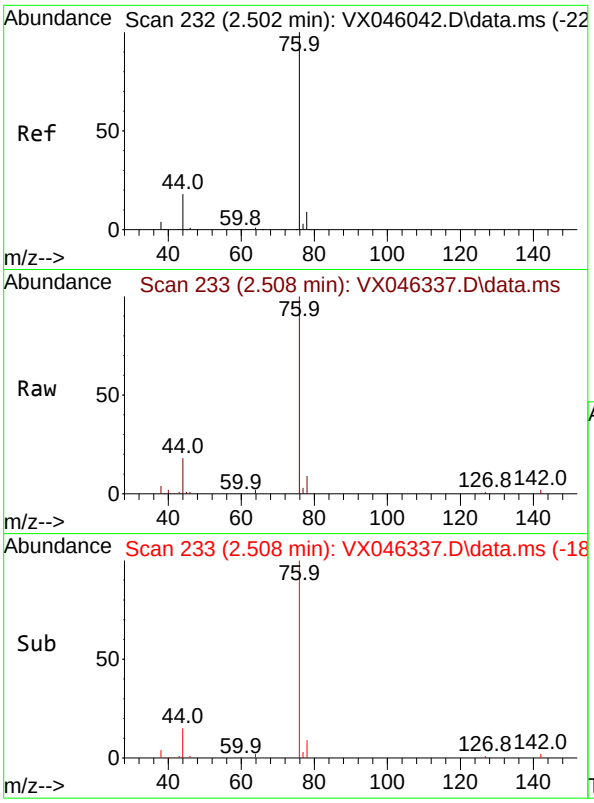



#16
Acetone
Concen: 100.414 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 43 Resp: 66639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.0 | 21.2 | 31.8 |

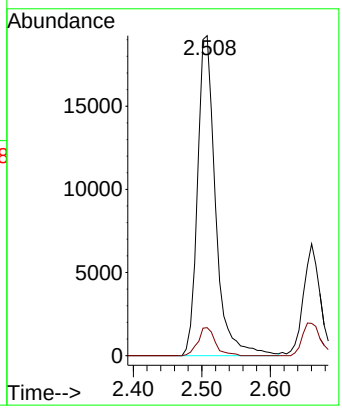





#17
Carbon Disulfide
Concen: 14.117 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 76 Resp: 3523

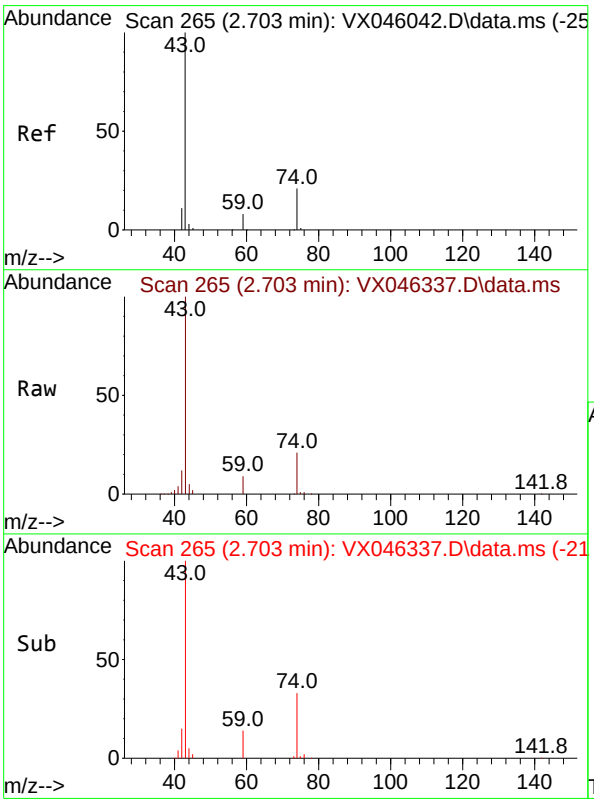
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.0 | 10.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

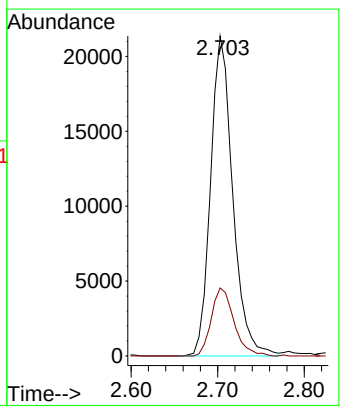
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

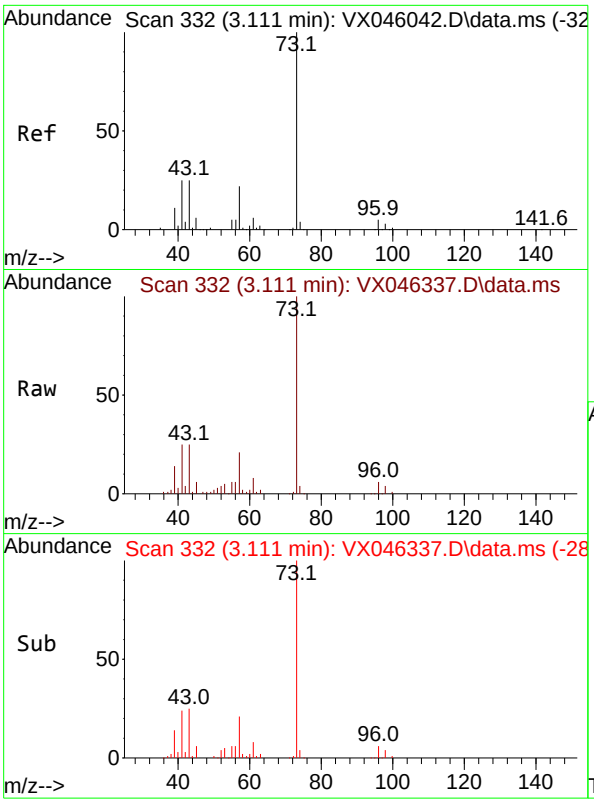



#18
Methyl Acetate
Concen: 24.666 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 43 Resp: 37985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.7 | 16.7 | 25.1 |






#19
Methyl tert-butyl Ether
Concen: 20.783 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

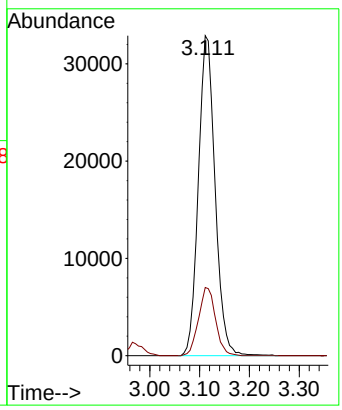
Tgt Ion: 73 Resp: 7670

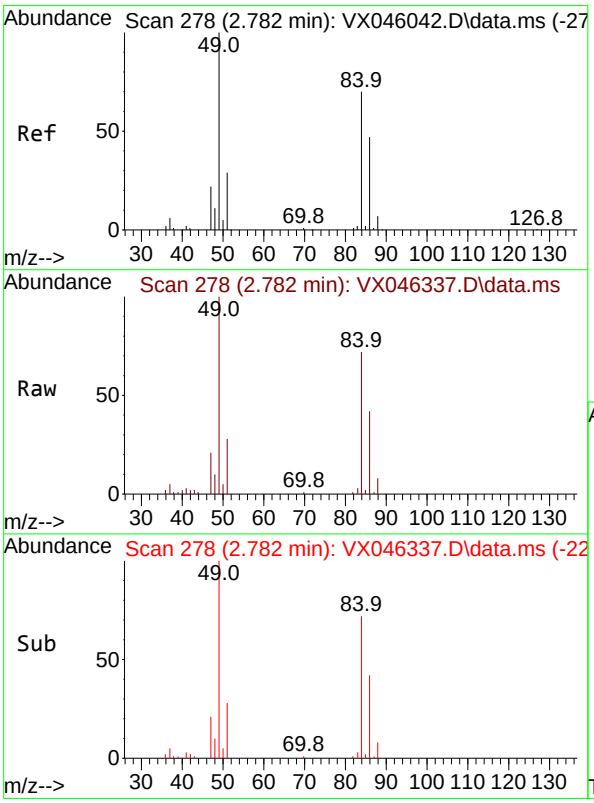
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.3 | 17.7 | 26.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

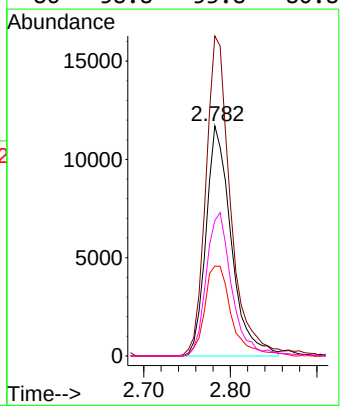


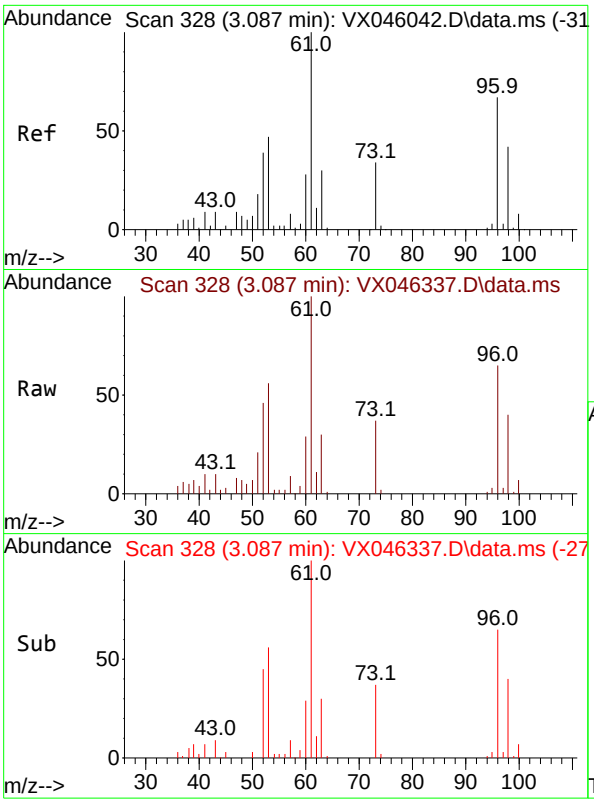




#20
Methylene Chloride
Concen: 18.582 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 84 Resp: 23632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 139.1 | 113.9 | 170.9 |
| 51 | 39.1 | 33.5 | 50.3 |
| 86 | 58.8 | 53.8 | 80.8 |

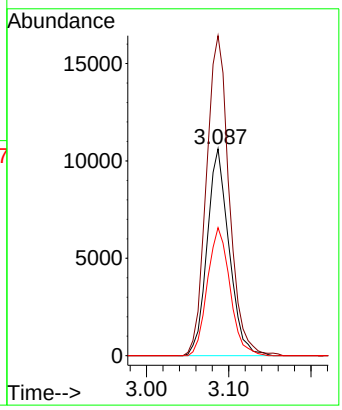





#21
trans-1,2-Dichloroethene
Concen: 18.567 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 96 Resp: 1965

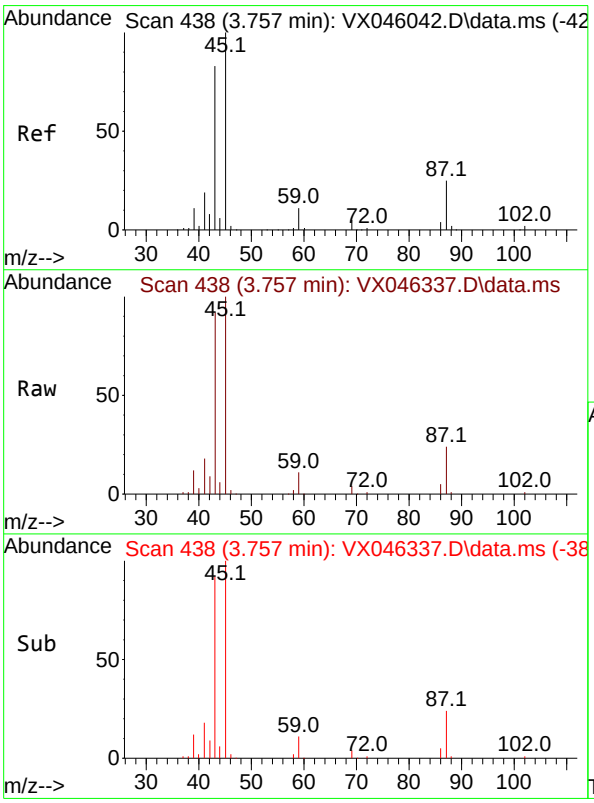
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.7 | 119.5 | 179.3 |
| 98 | 61.9 | 50.0 | 75.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

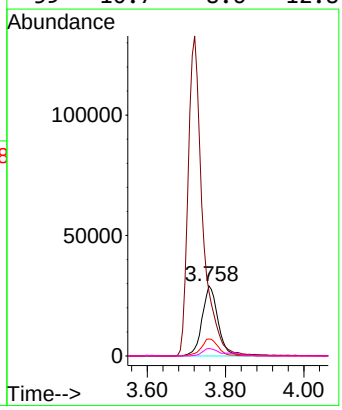
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

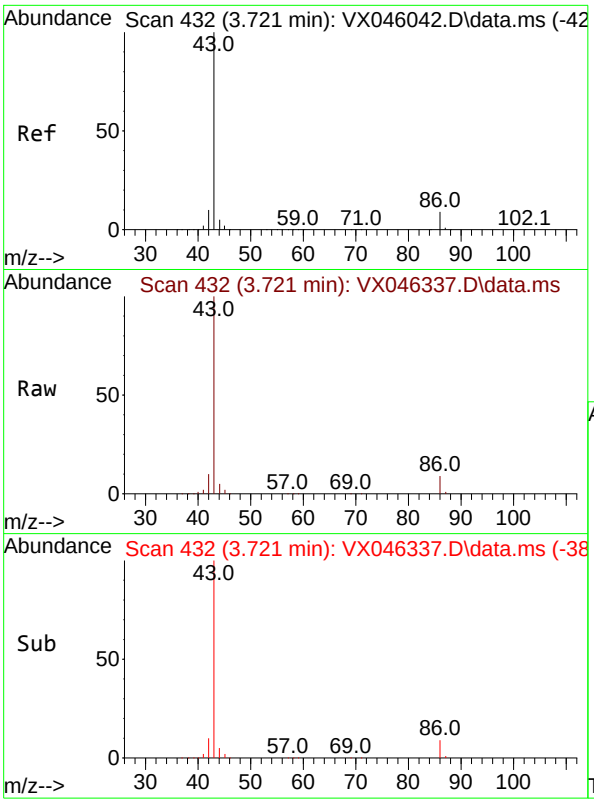



#22
Diisopropyl ether
Concen: 21.156 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 45 Resp: 82218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 91.3 | 66.6 | 100.0 |
| 87 | 24.2 | 19.8 | 29.6 |
| 59 | 10.7 | 8.6 | 12.8 |






#23
Vinyl Acetate
Concen: 100.524 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

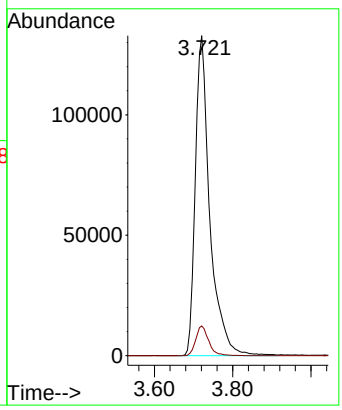
Tgt Ion: 43 Resp: 34361

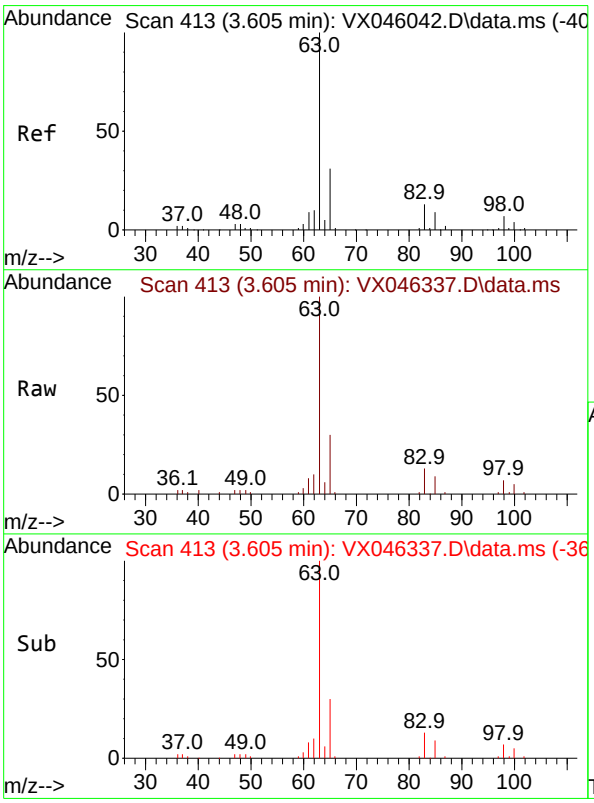
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.3 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

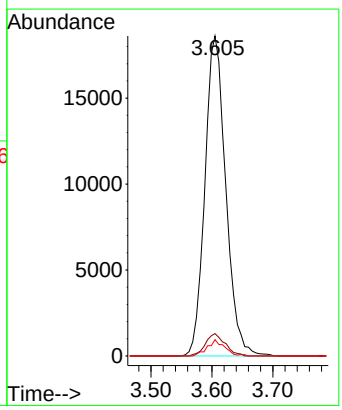


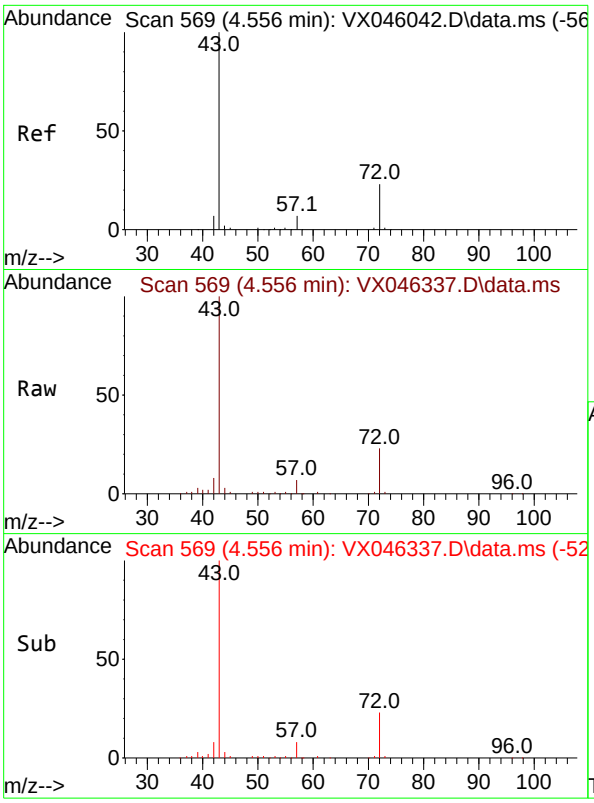




#24
1,1-Dichloroethane
Concen: 20.487 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 63 Resp: 44347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.6 | 10.8 |
| 100 | 5.1 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 105.553 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

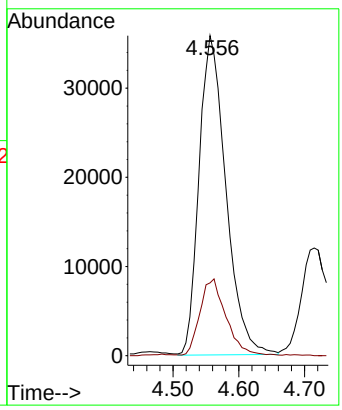
Tgt Ion: 43 Resp: 10169

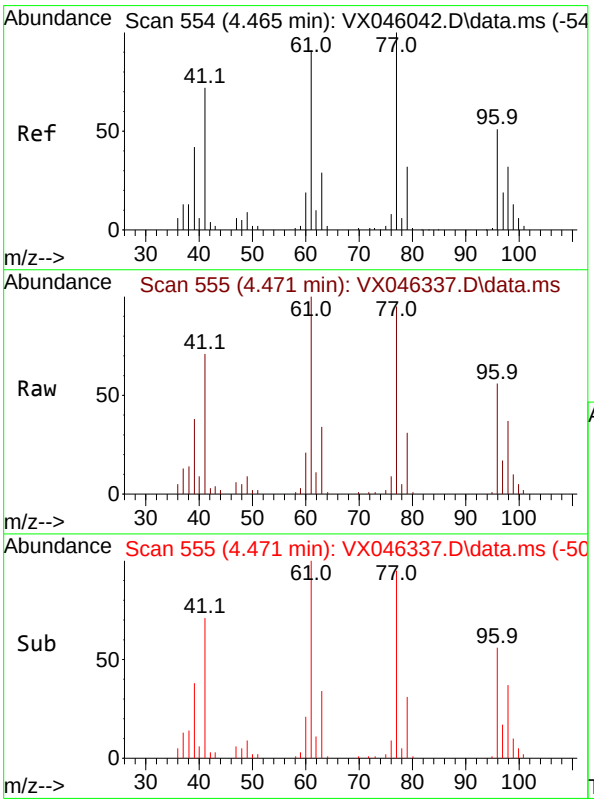
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.7 | 18.4 | 27.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

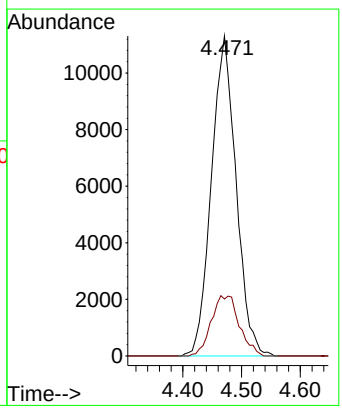


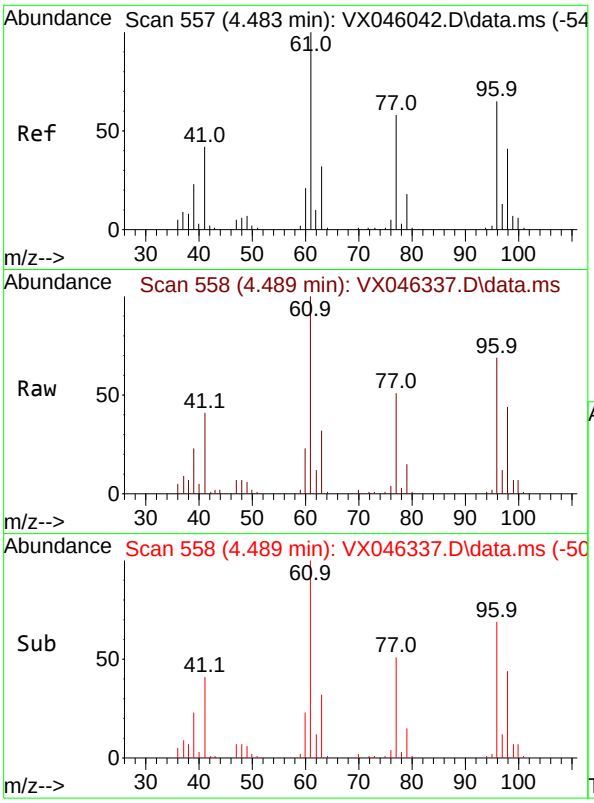




#26
2,2-Dichloropropane
Concen: 19.482 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 77 Resp: 33007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.4 | 10.5 | 31.5 |






#27
cis-1,2-Dichloroethene
Concen: 20.196 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

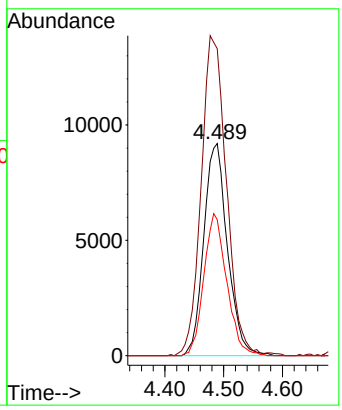
Tgt Ion: 96 Resp: 2573

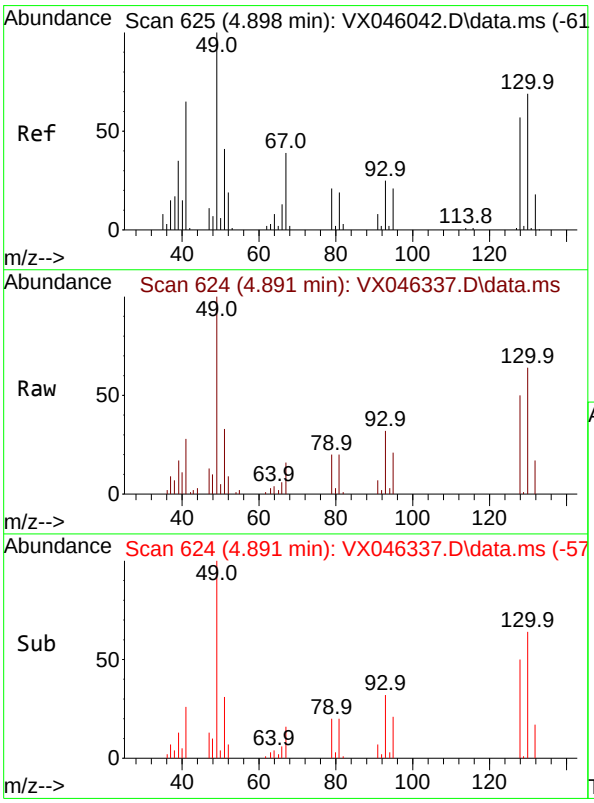
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.1 | 0.0 | 322.8 |
| 98 | 64.6 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

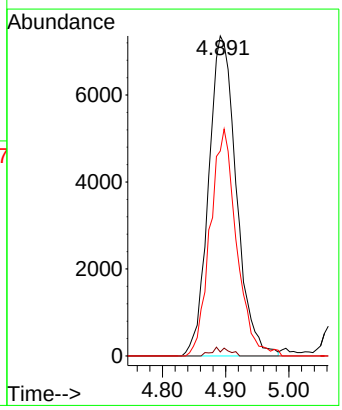


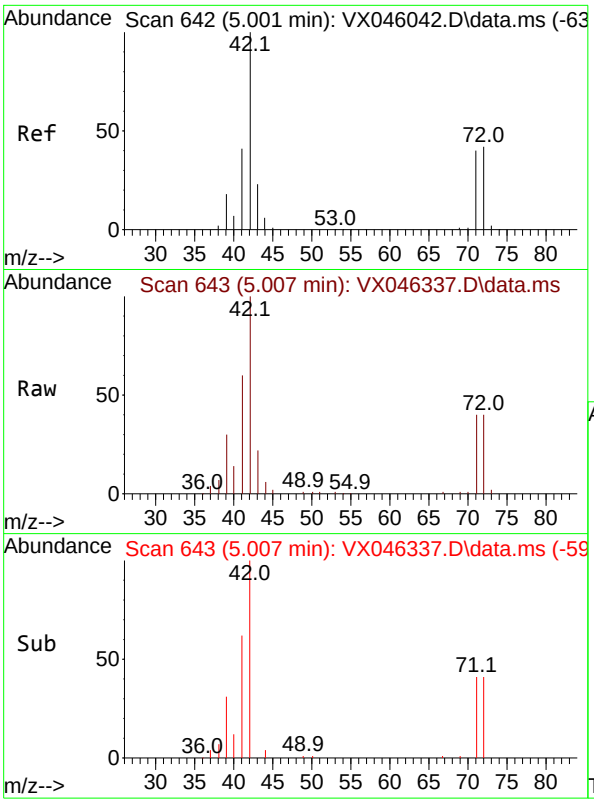




#28
Bromochloromethane
Concen: 21.483 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 49 Resp: 22384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.6 | 0.0 | 4.0 |
| 130 | 67.5 | 56.2 | 84.2 |






#29
Tetrahydrofuran
Concen: 104.588 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

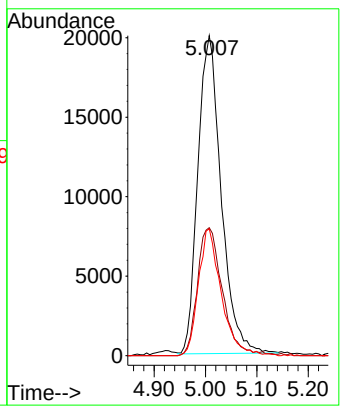
Tgt Ion: 42 Resp: 6314

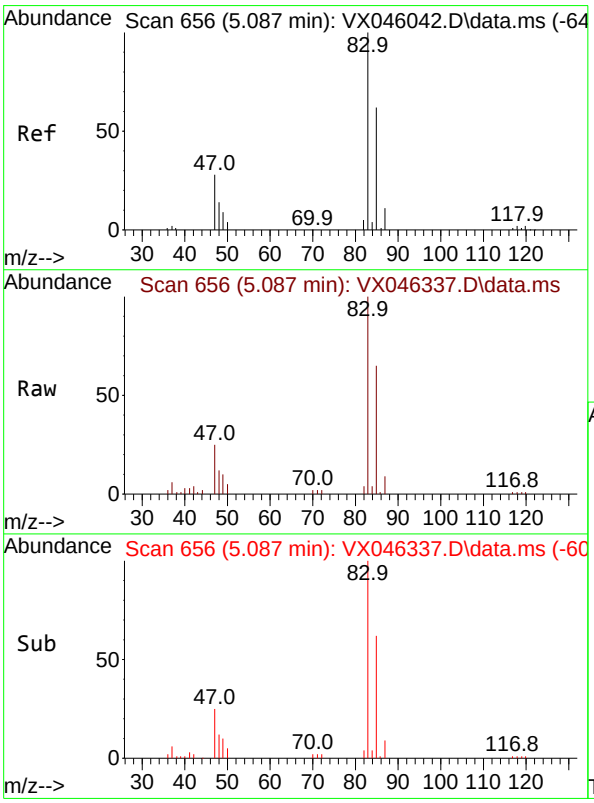
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.0 | 33.7 | 50.5 |
| 71 | 39.2 | 31.4 | 47.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

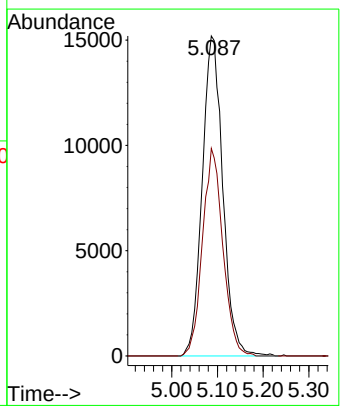


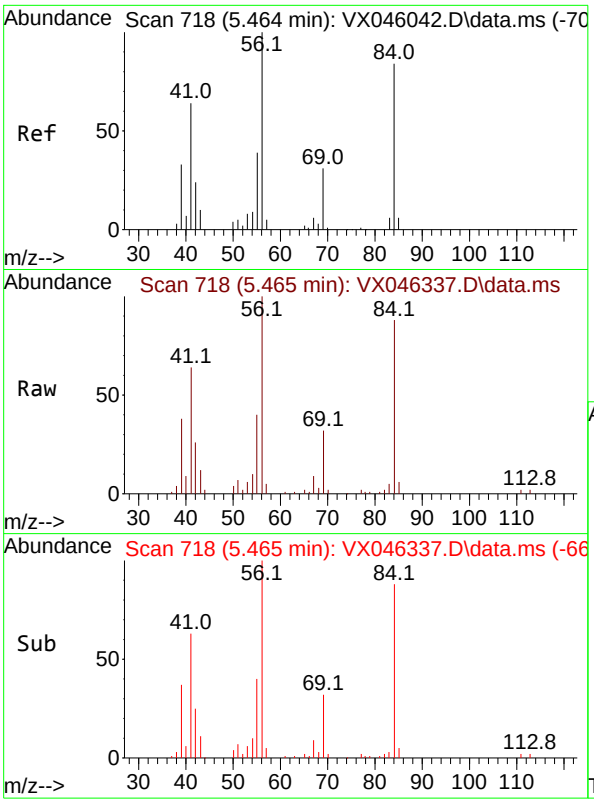




#30
Chloroform
Concen: 21.008 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 83 Resp: 47399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 49.3 | 73.9 |






#31
Cyclohexane
Concen: 19.078 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

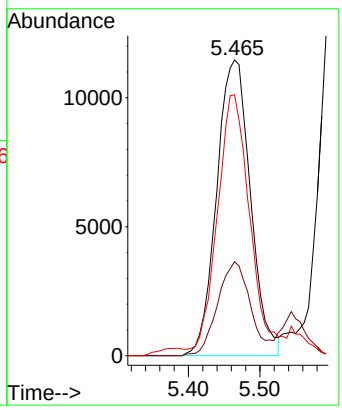
Tgt Ion: 56 Resp: 3763

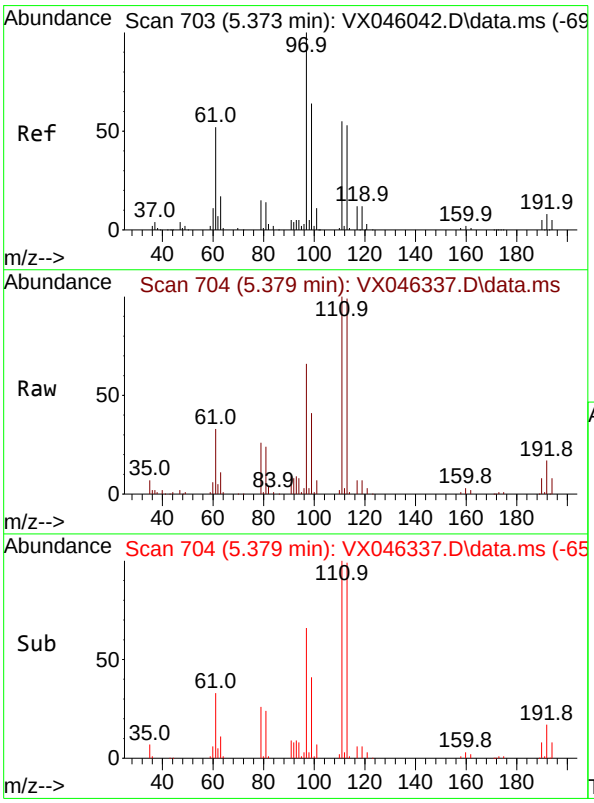
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.8 | 24.4 | 36.6 |
| 84 | 85.6 | 66.9 | 100.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

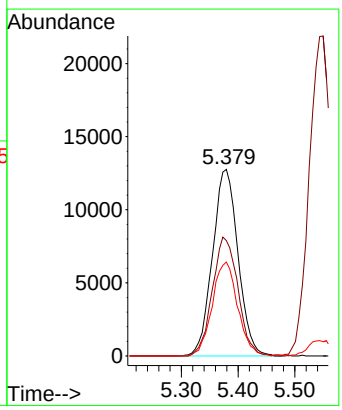


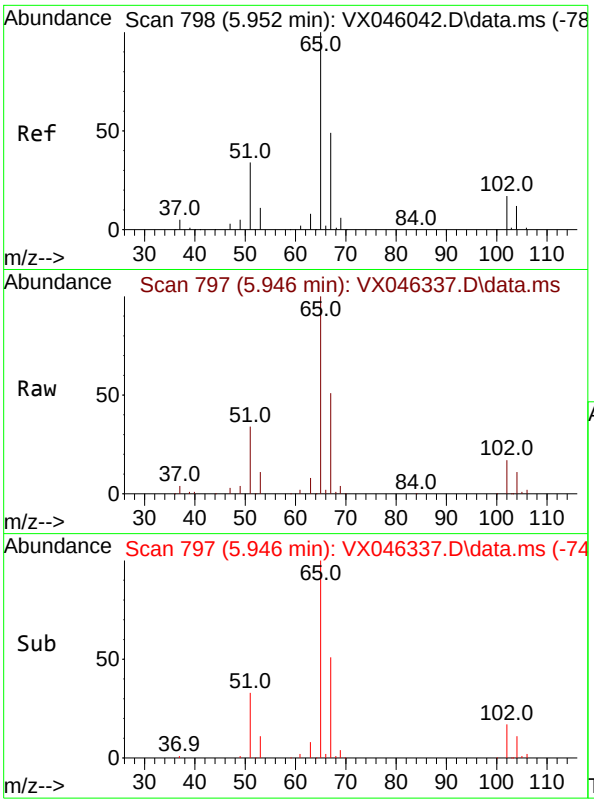




#32
1,1,1-Trichloroethane
Concen: 20.386 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 97 Resp: 39871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 51.8 | 77.6 |
| 61 | 50.2 | 40.1 | 60.1 |






#33
1,2-Dichloroethane-d4
Concen: 50.193 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

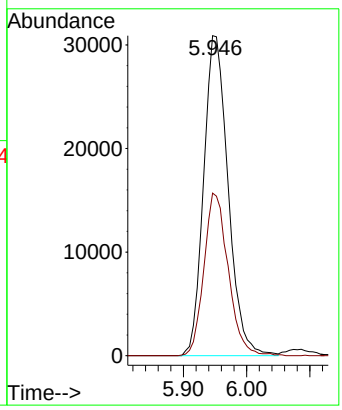
Tgt Ion: 65 Resp: 8307

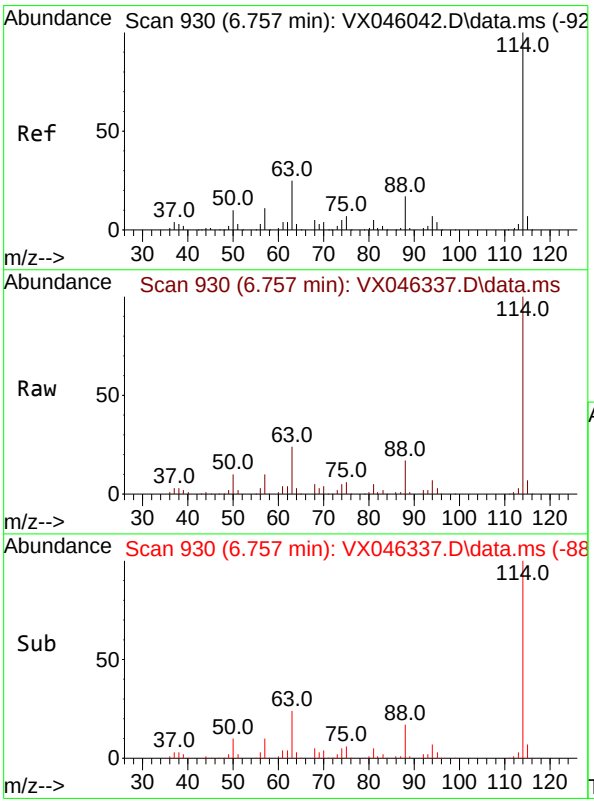
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.4 | 0.0 | 99.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

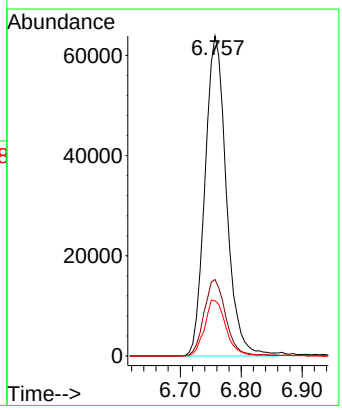


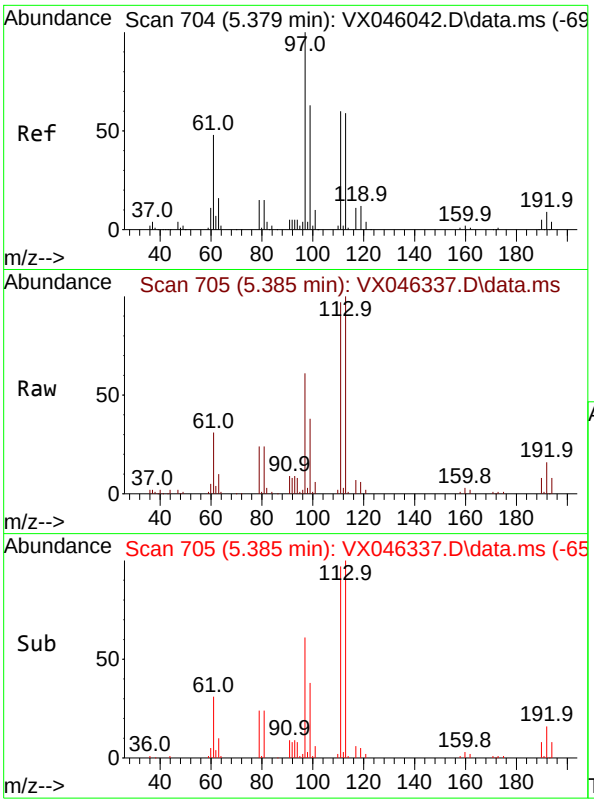




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:114 Resp: 156018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.9 | 0.0 | 49.2 |
| 88 | 17.3 | 0.0 | 33.6 |

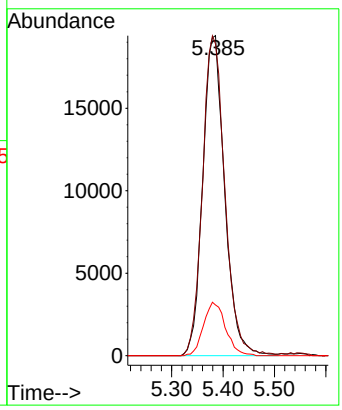





#35
Dibromofluoromethane
Concen: 51.100 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:113 Resp: 5741

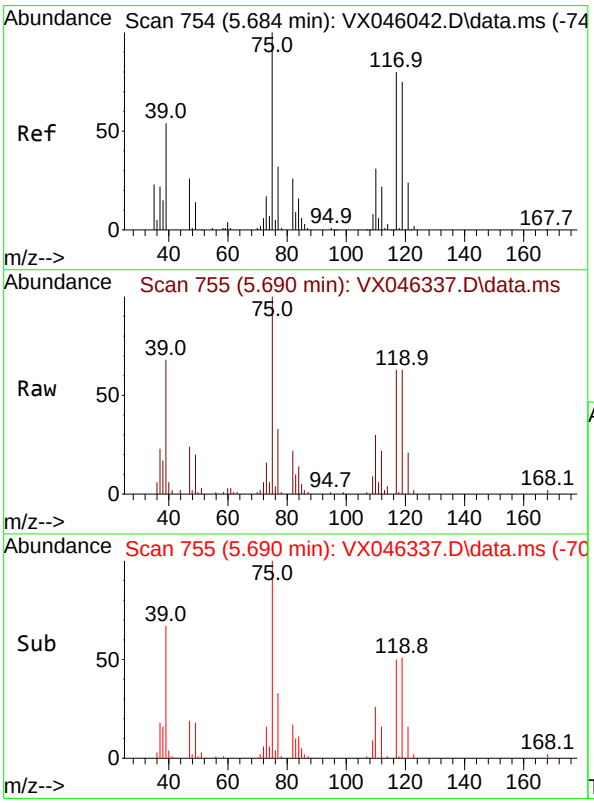
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 83.1 | 124.7 |
| 192 | 16.9 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

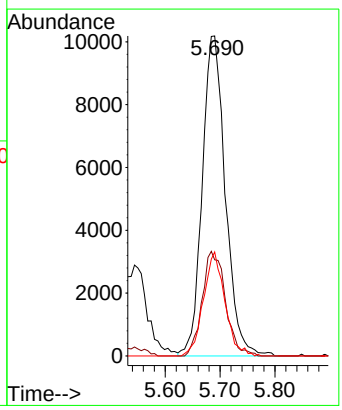
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

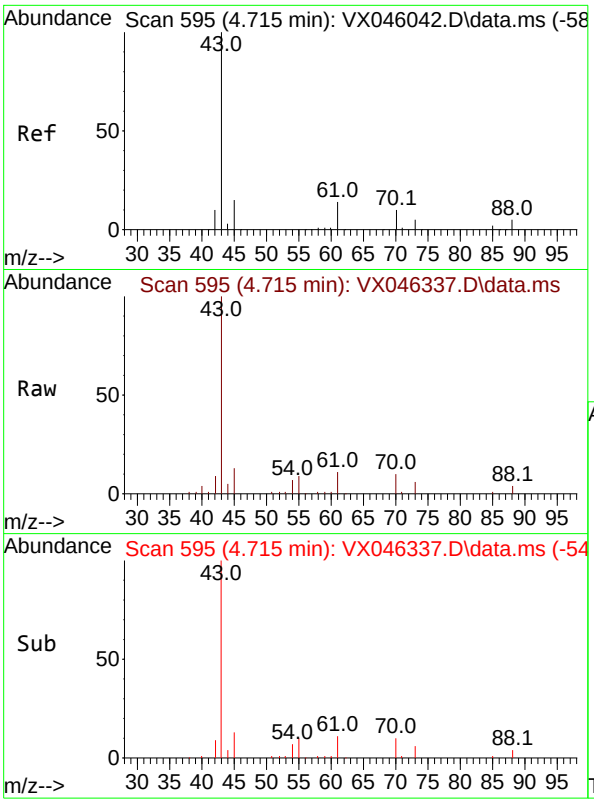



#36
1,1-Dichloropropene
Concen: 19.774 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 75 Resp: 29850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.8 | 16.3 | 48.9 |
| 77 | 30.2 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 19.914 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

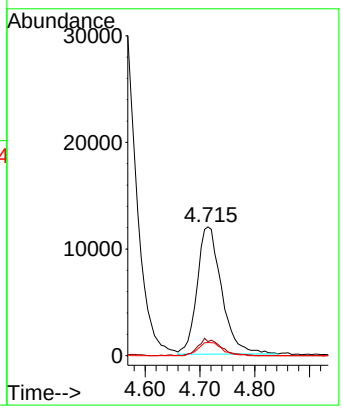
Tgt Ion: 43 Resp: 3714

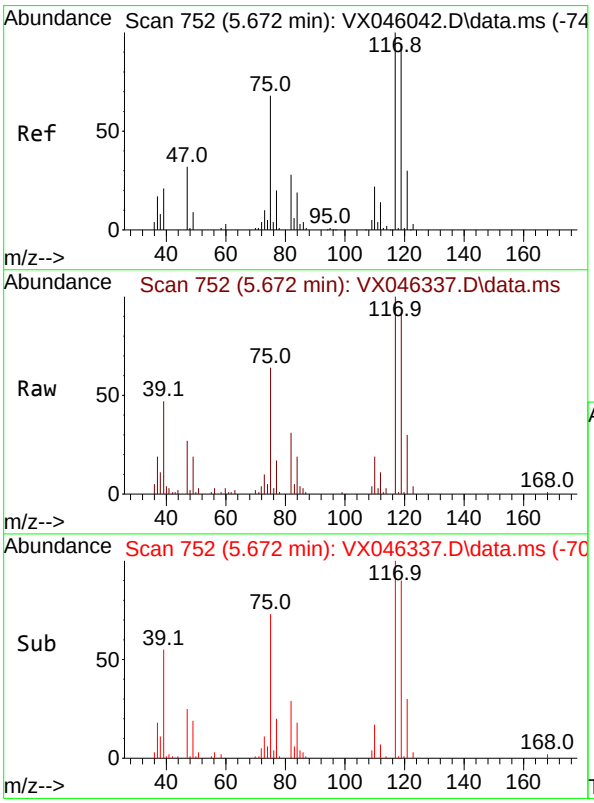
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.4 | 10.3 | 15.5 |
| 70 | 9.9 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

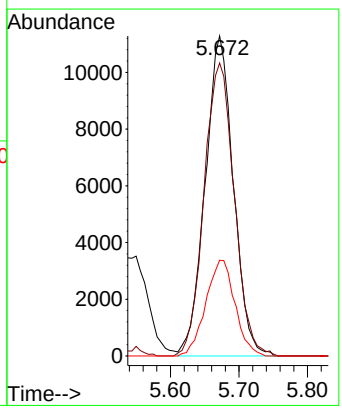


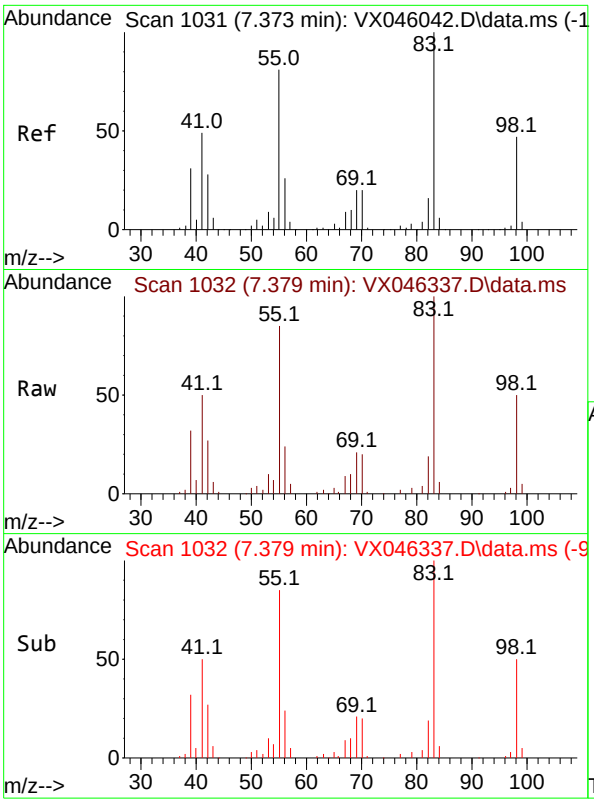




#38
Carbon Tetrachloride
Concen: 19.073 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:117 Resp: 32350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.6 | 75.2 | 112.8 |
| 121 | 29.9 | 24.2 | 36.4 |

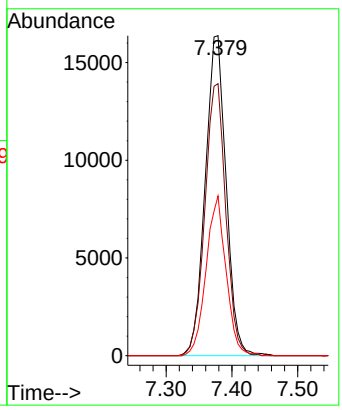





#39
Methylcyclohexane
Concen: 18.644 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 83 Resp: 3623

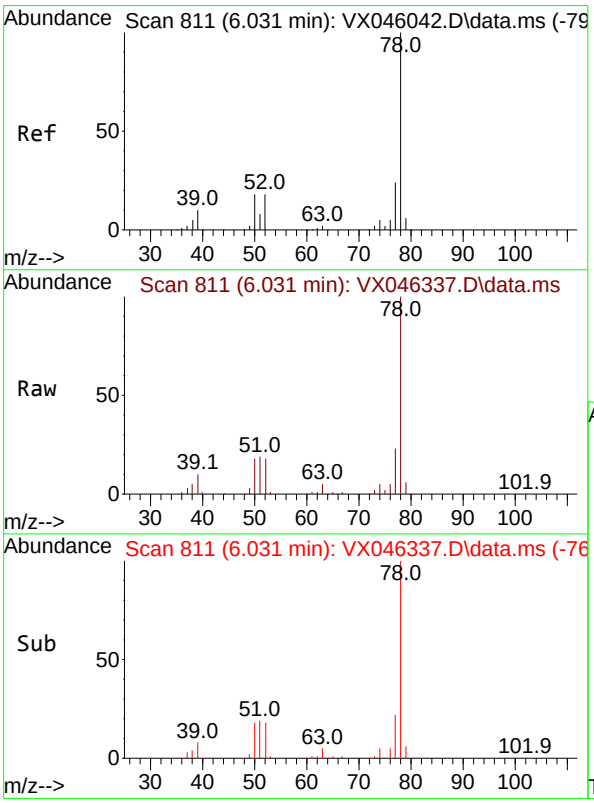
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 85.0 | 64.7 | 97.1 |
| 98 | 49.9 | 37.4 | 56.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

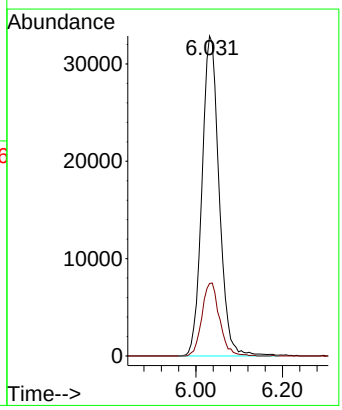
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

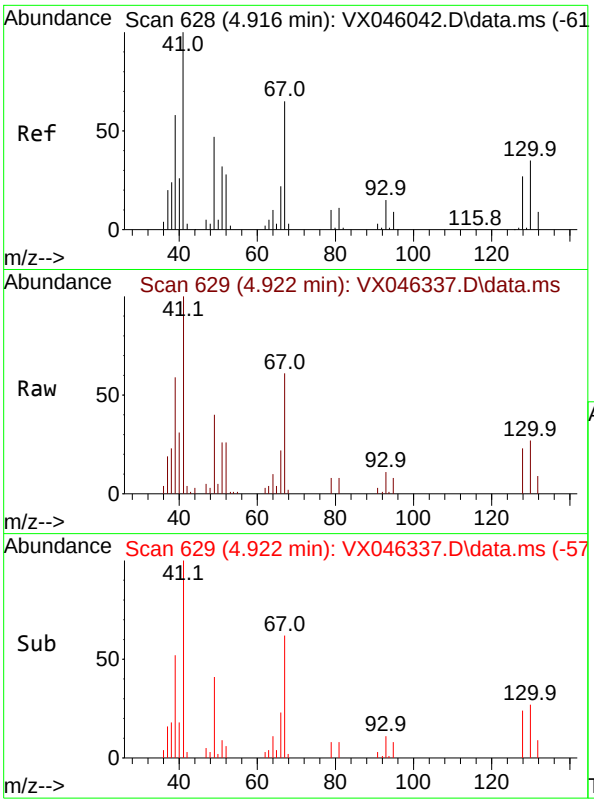



#40
Benzene
Concen: 20.439 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 78 Resp: 90373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.7 | 19.0 | 28.4 |

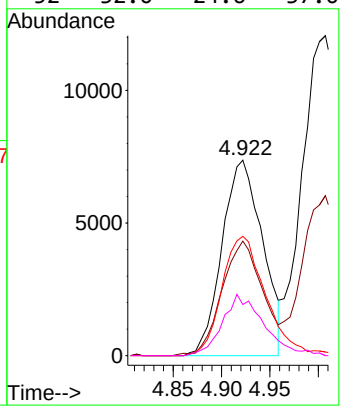





#41
Methacrylonitrile
Concen: 22.034 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 41 Resp: 2149

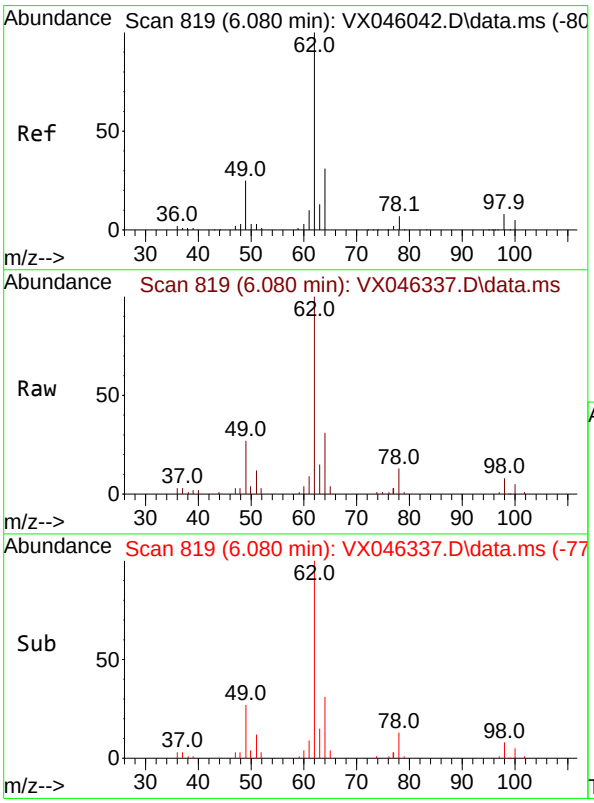
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.5 | 47.2 | 70.8 |
| 67 | 65.9 | 50.7 | 76.1 |
| 52 | 32.0 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

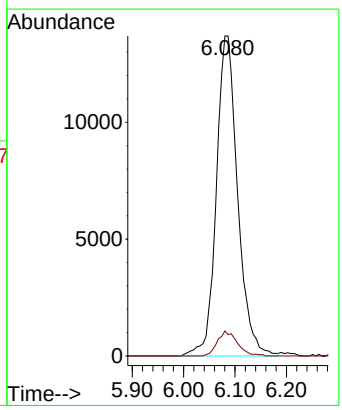
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

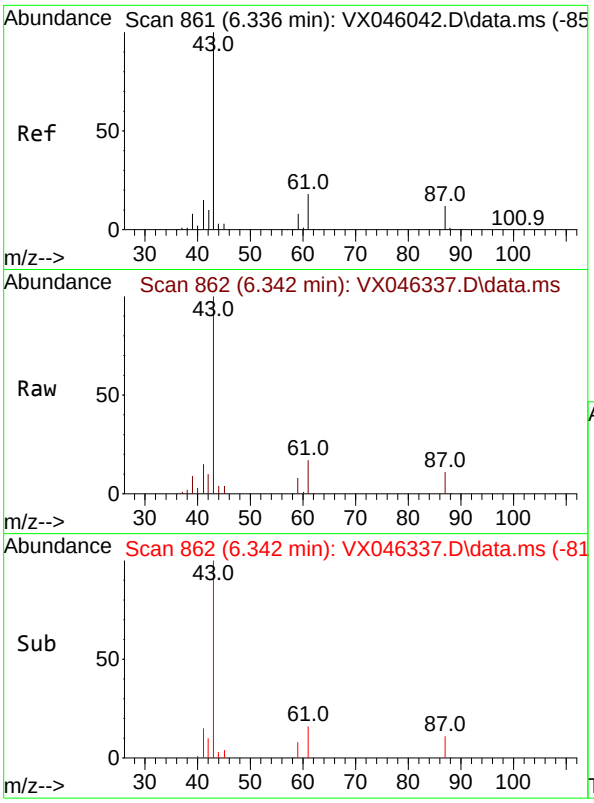



#42
1,2-Dichloroethane
Concen: 20.654 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 62 Resp: 39414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.3 | 0.0 | 15.2 |






#43
Isopropyl Acetate
Concen: 21.036 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

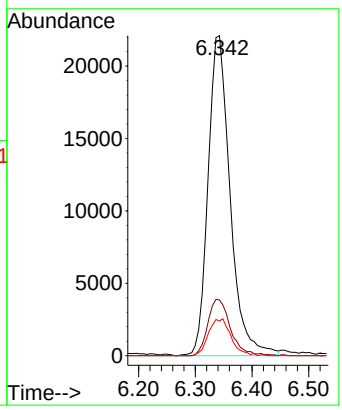
Tgt Ion: 43 Resp: 5985

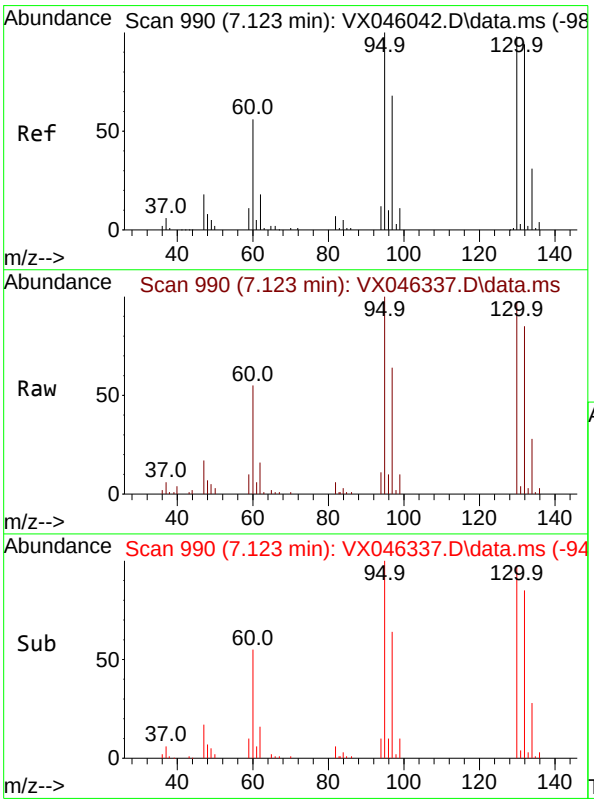
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 14.3 | 21.5 |
| 87 | 11.8 | 9.5 | 14.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

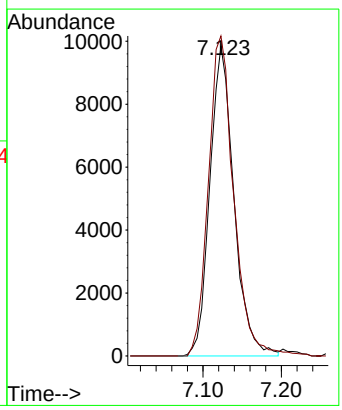


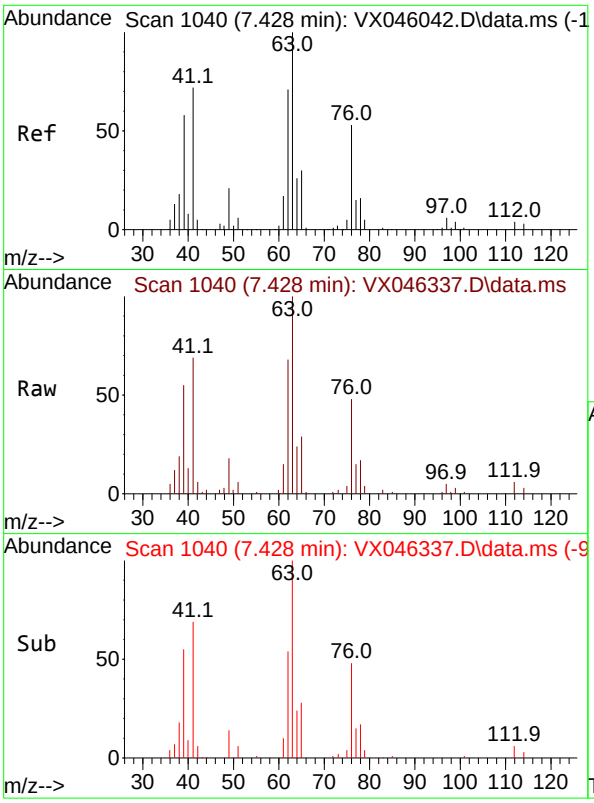




#44
Trichloroethene
Concen: 19.770 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:130 Resp: 21039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 103.2 | 0.0 | 204.2 |






#45
1,2-Dichloropropane
Concen: 21.269 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

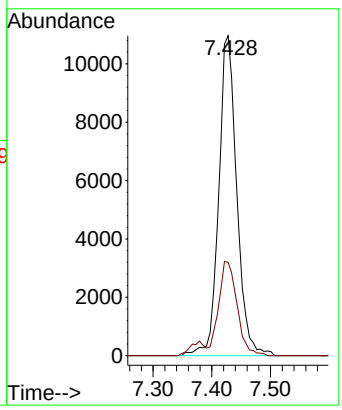
Tgt Ion: 63 Resp: 2338

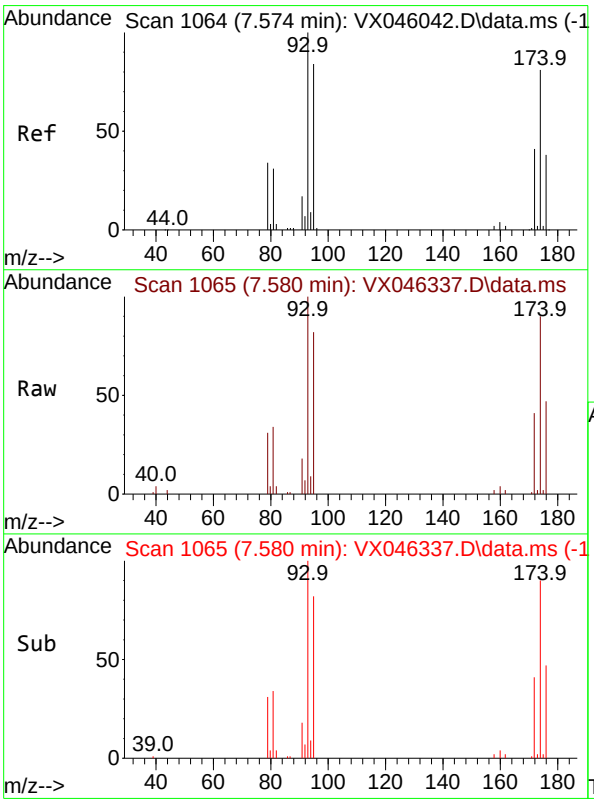
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.2 | 24.1 | 36.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

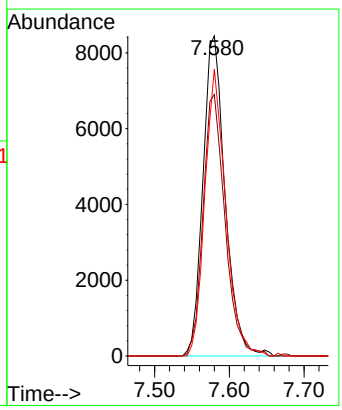


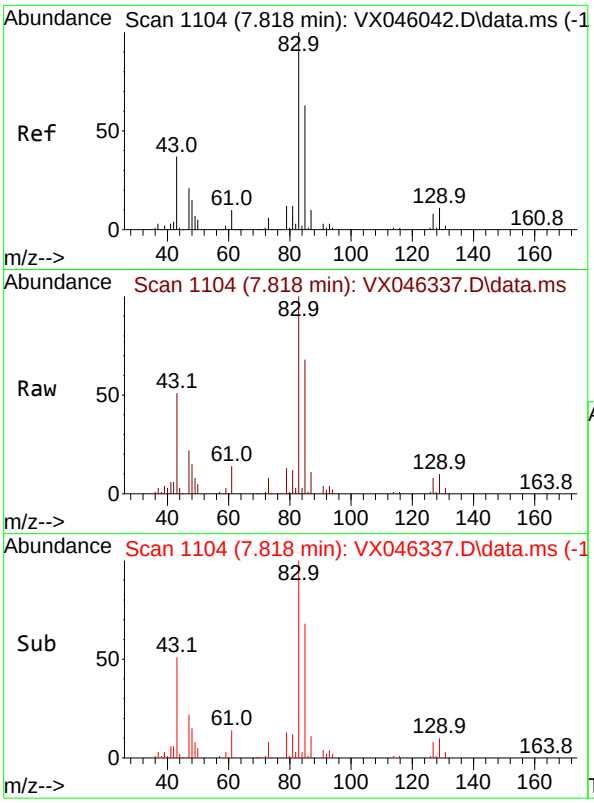




#46
Dibromomethane
Concen: 20.043 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 93 Resp: 17380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.3 | 65.6 | 98.4 |
| 174 | 84.6 | 68.2 | 102.2 |

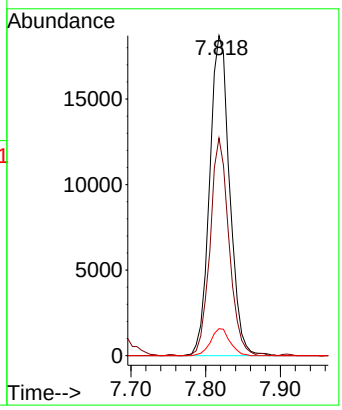





#47
Bromodichloromethane
Concen: 20.324 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 83 Resp: 3471

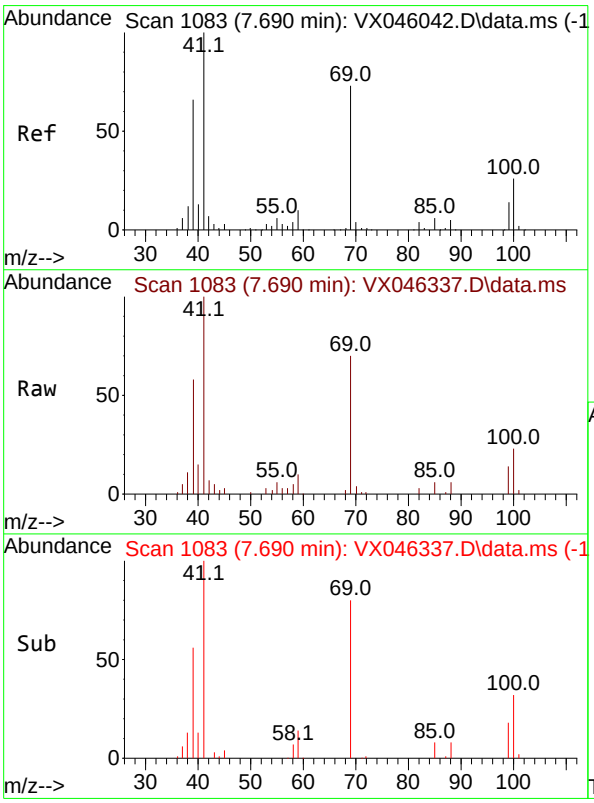
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.0 | 50.5 | 75.7 |
| 127 | 8.5 | 6.5 | 9.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

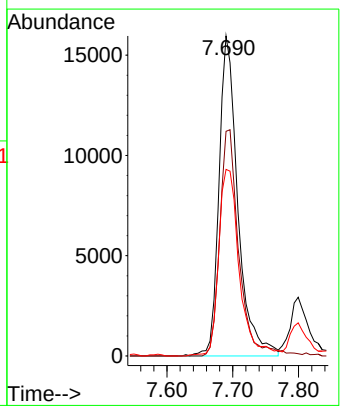
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

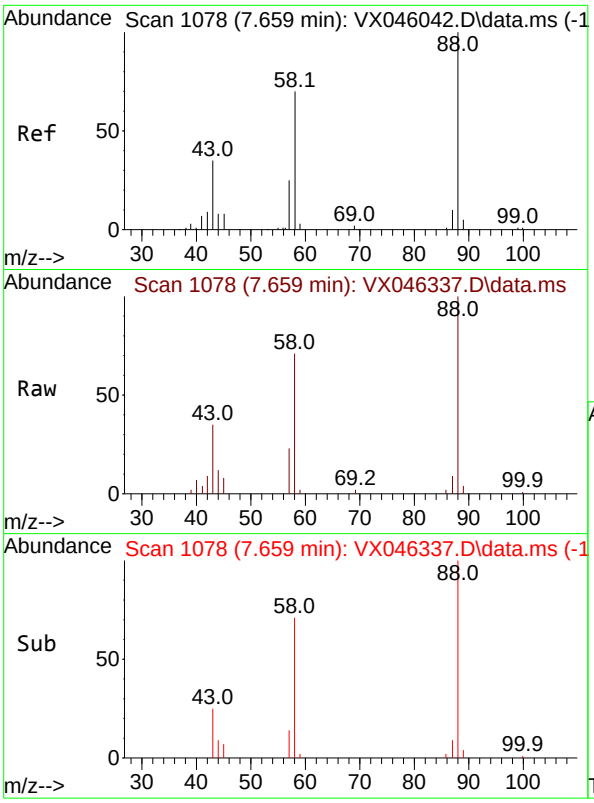



#48
Methyl methacrylate
Concen: 21.940 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 41 Resp: 31880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 71.7 | 58.5 | 87.7 |
| 39 | 63.9 | 51.7 | 77.5 |

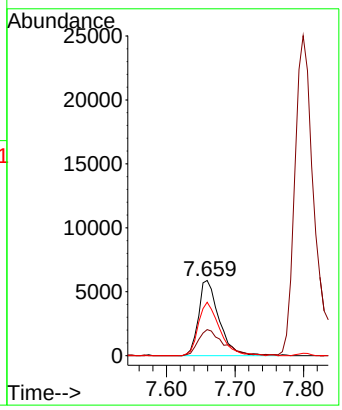





#49
1,4-Dioxane
Concen: 443.135 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 88 Resp: 1222

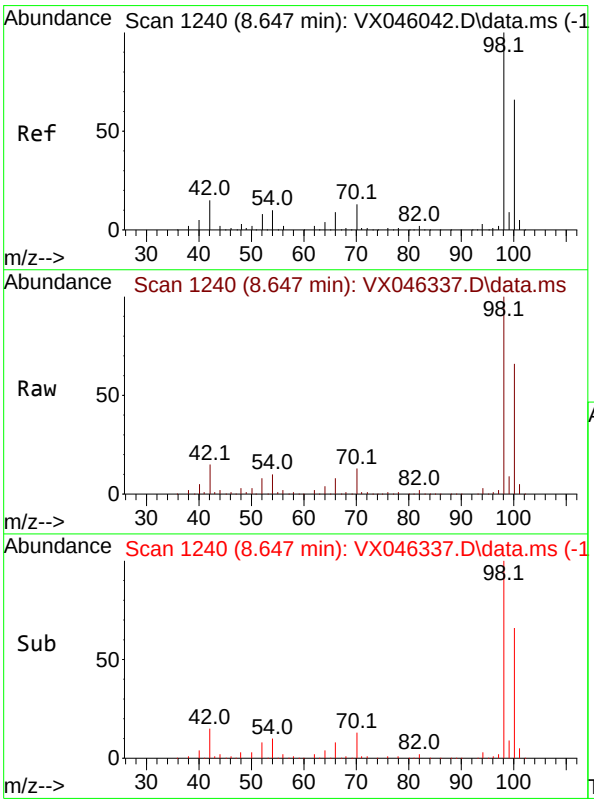
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.0 | 33.4 | 50.2 |
| 58 | 73.8 | 58.6 | 88.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

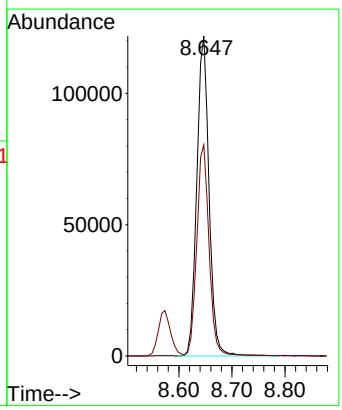
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

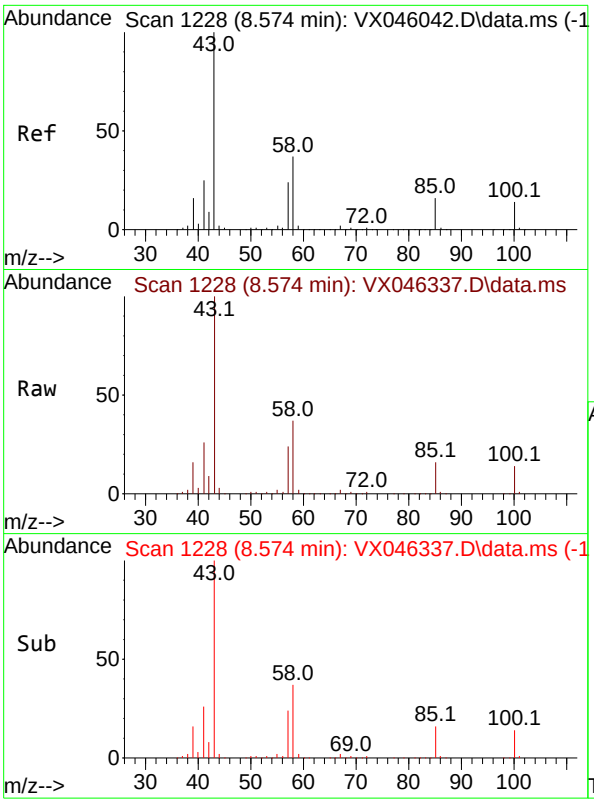



#50
Toluene-d8
Concen: 50.259 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 98 Resp: 195435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.4 | 53.5 | 80.3 |






#51
4-Methyl-2-Pentanone
Concen: 107.703 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

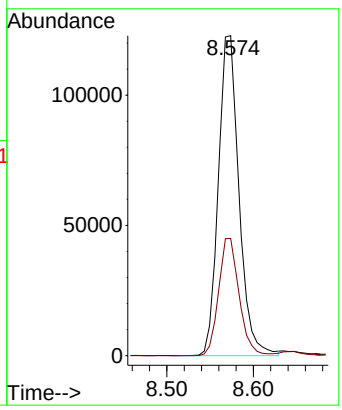
Tgt Ion: 43 Resp: 20340

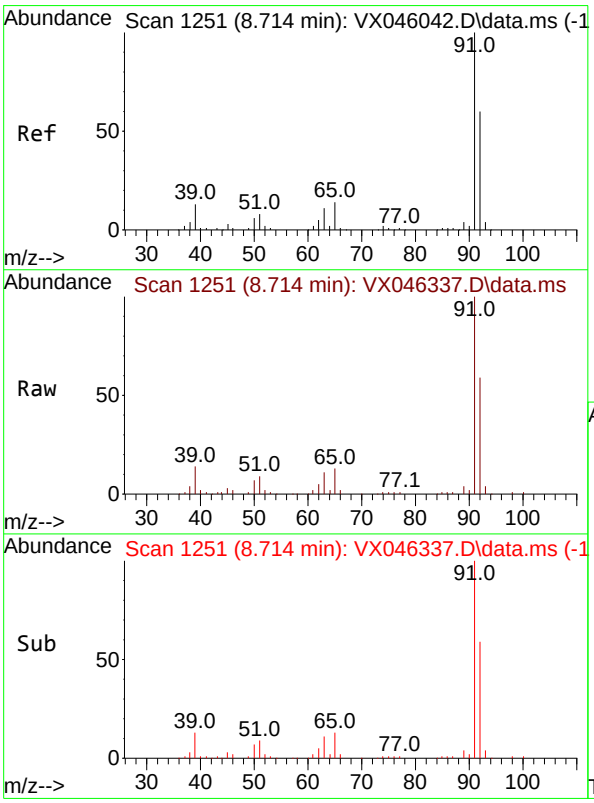
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.4 | 28.9 | 43.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

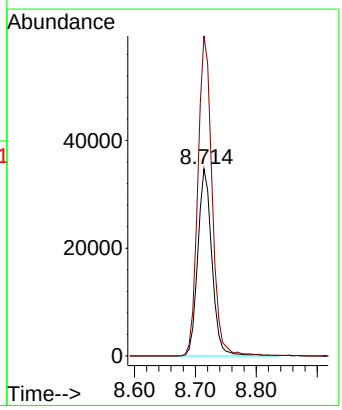


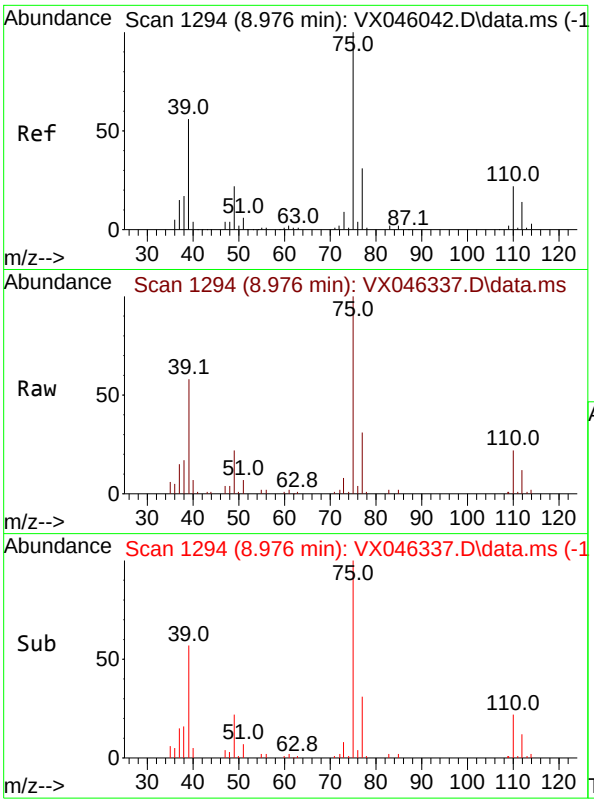




#52
Toluene
Concen: 20.664 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 92 Resp: 56025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.1 | 136.6 | 205.0 |

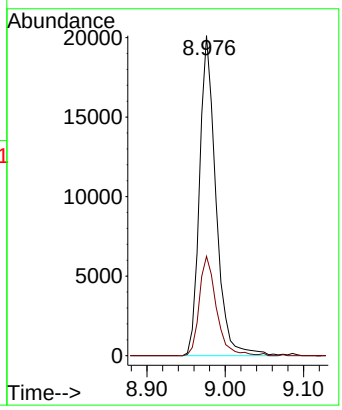





#53
t-1,3-Dichloropropene
Concen: 19.250 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 75 Resp: 2922

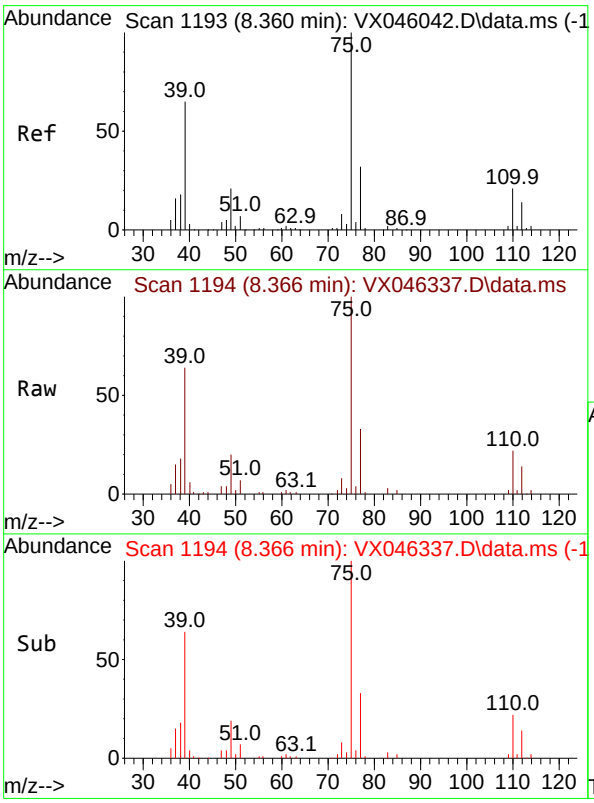
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.0 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

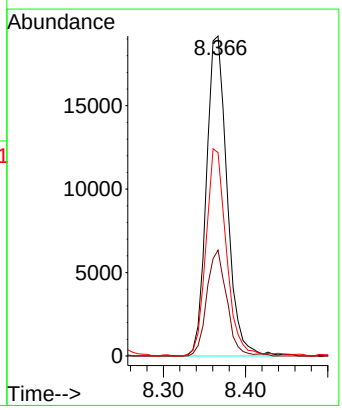
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

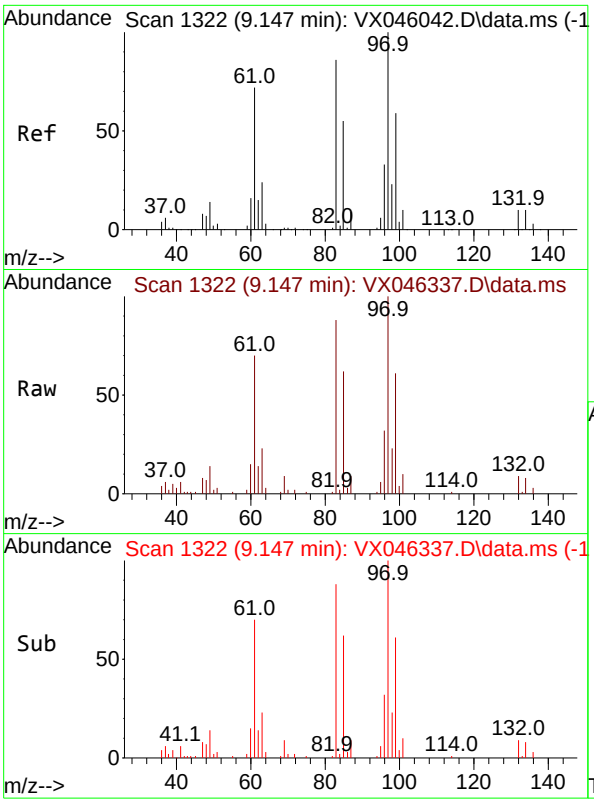



#54
cis-1,3-Dichloropropene
Concen: 19.964 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 75 Resp: 33496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.0 | 25.4 | 38.0 |
| 39 | 63.5 | 52.2 | 78.4 |

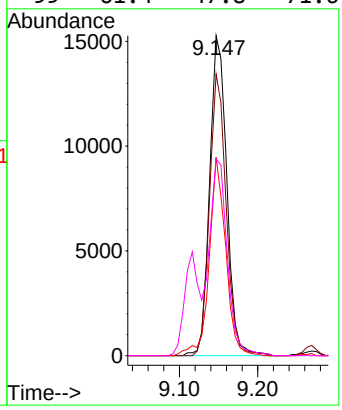





#55
1,1,2-Trichloroethane
Concen: 21.669 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 97 Resp: 2316

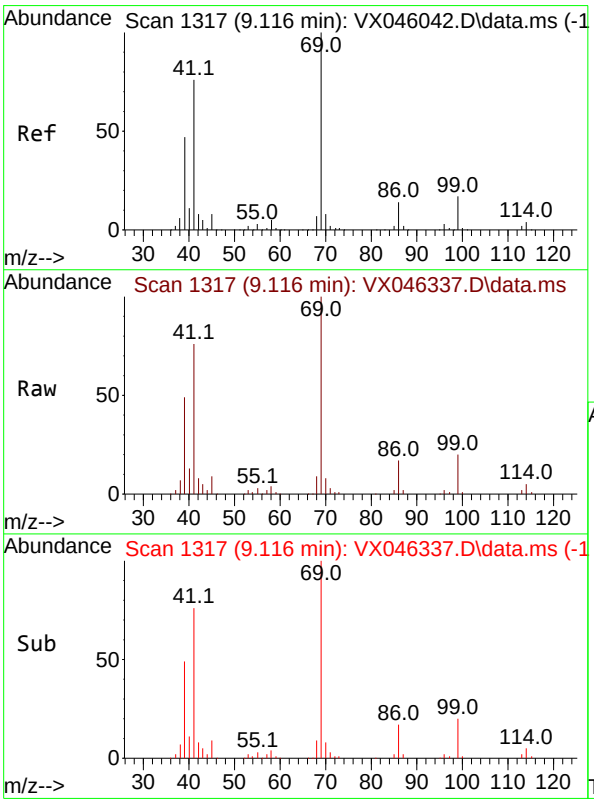
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.0 | 69.0 | 103.6 |
| 85 | 62.0 | 44.3 | 66.5 |
| 99 | 61.4 | 47.8 | 71.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

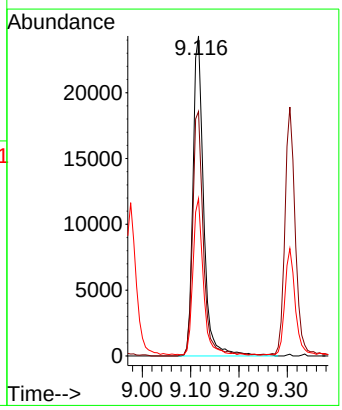
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

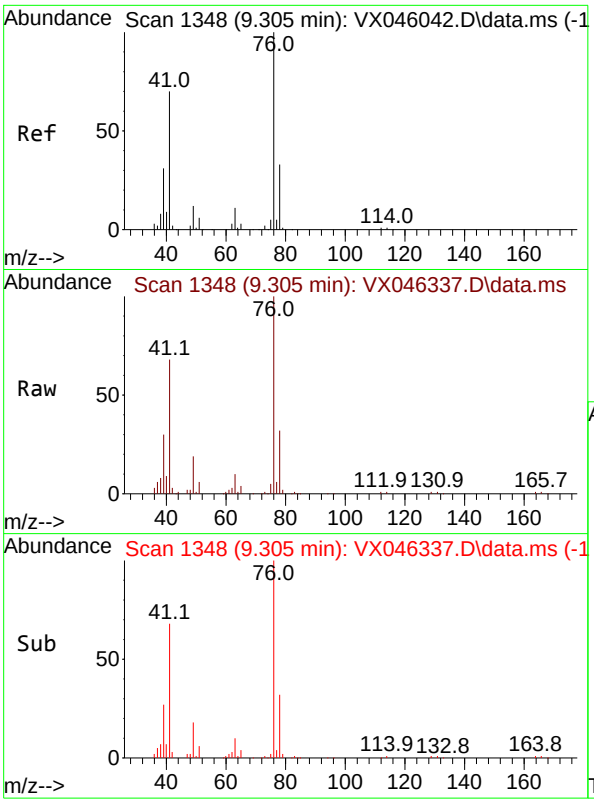



#56
Ethyl methacrylate
Concen: 21.892 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 69 Resp: 37300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 77.0 | 60.8 | 91.2 |
| 39 | 47.8 | 39.0 | 58.6 |






#57
1,3-Dichloropropane
Concen: 21.164 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

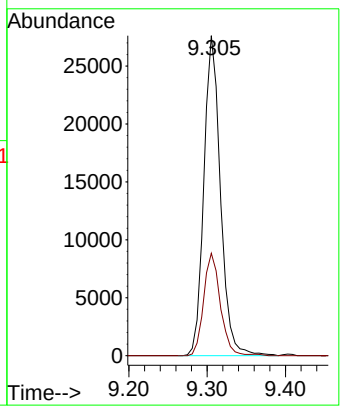
Tgt Ion: 76 Resp: 4063

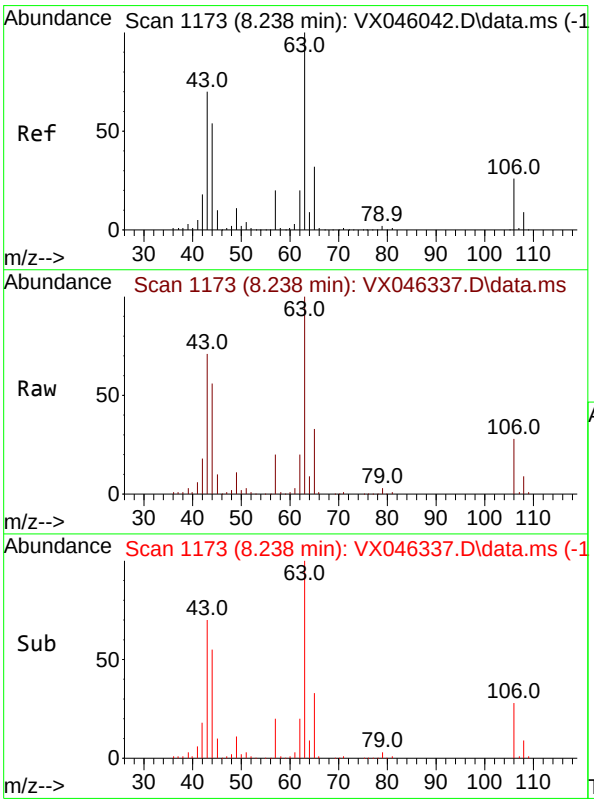
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.3 | 39.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

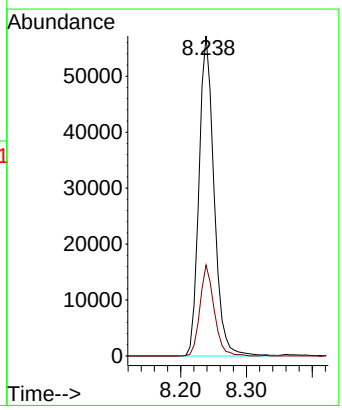


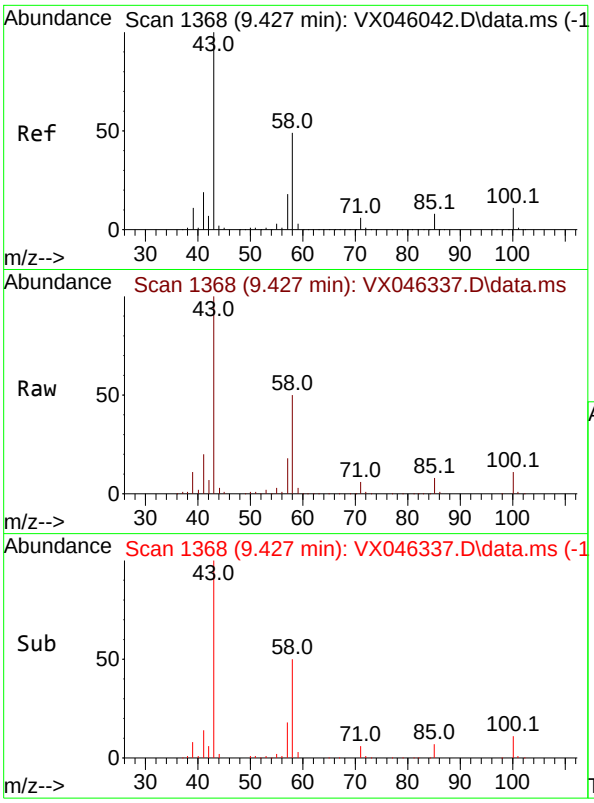




#58
2-Chloroethyl Vinyl ether
Concen: 105.020 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 63 Resp: 91224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.8 | 21.5 | 32.3 |






#59
2-Hexanone
Concen: 110.651 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

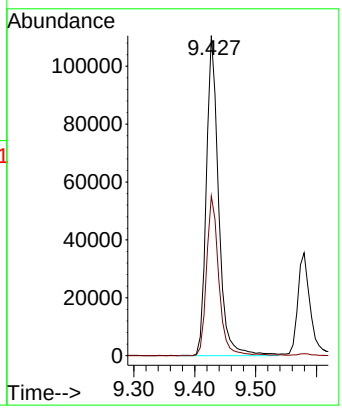
Tgt Ion: 43 Resp: 15460

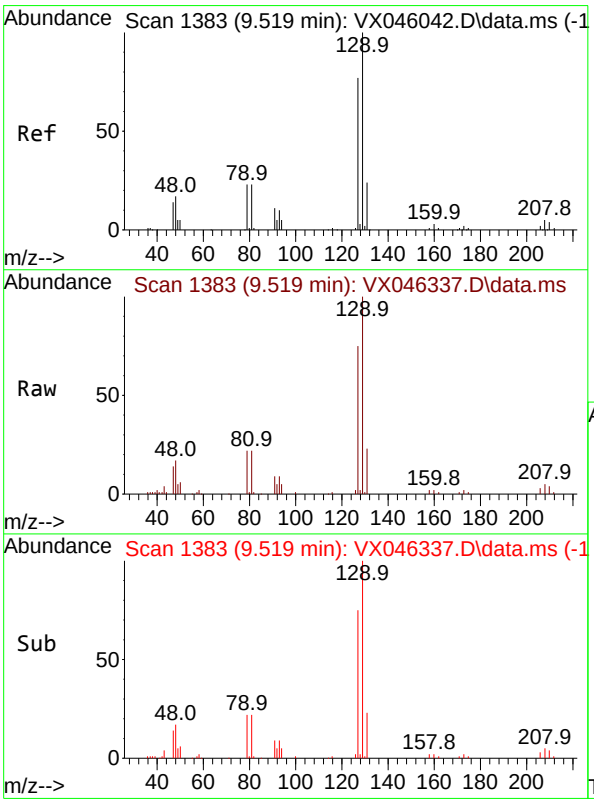
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.1 | 24.9 | 74.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

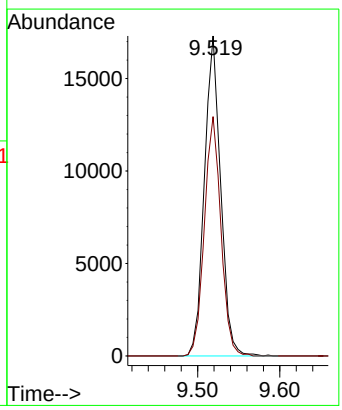


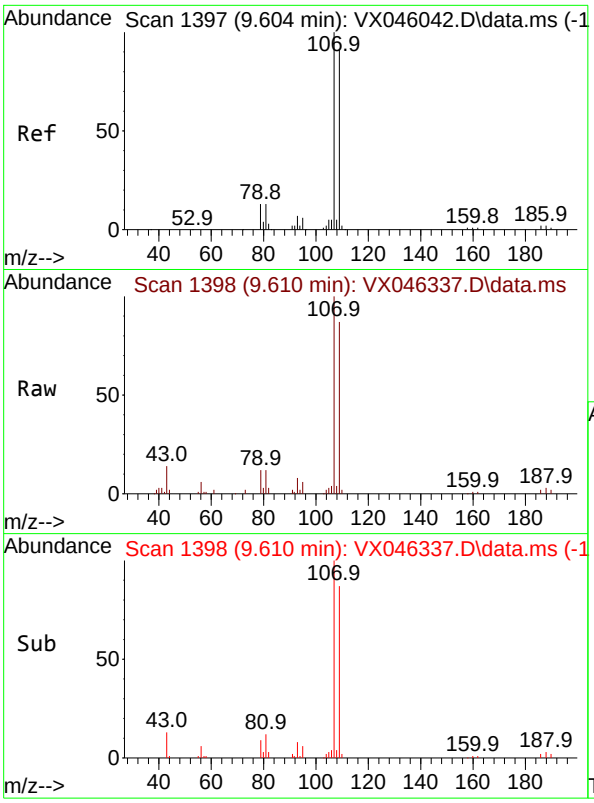




#60
Dibromochloromethane
Concen: 20.267 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:129 Resp: 23795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.0 | 39.3 | 117.8 |






#61
1,2-Dibromoethane
Concen: 21.090 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

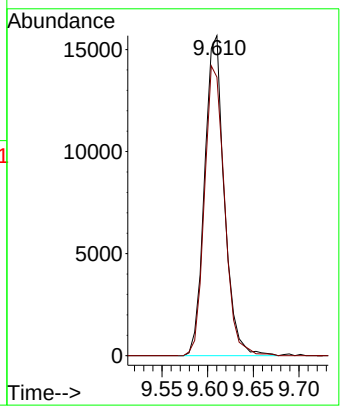
Tgt Ion:107 Resp: 2343

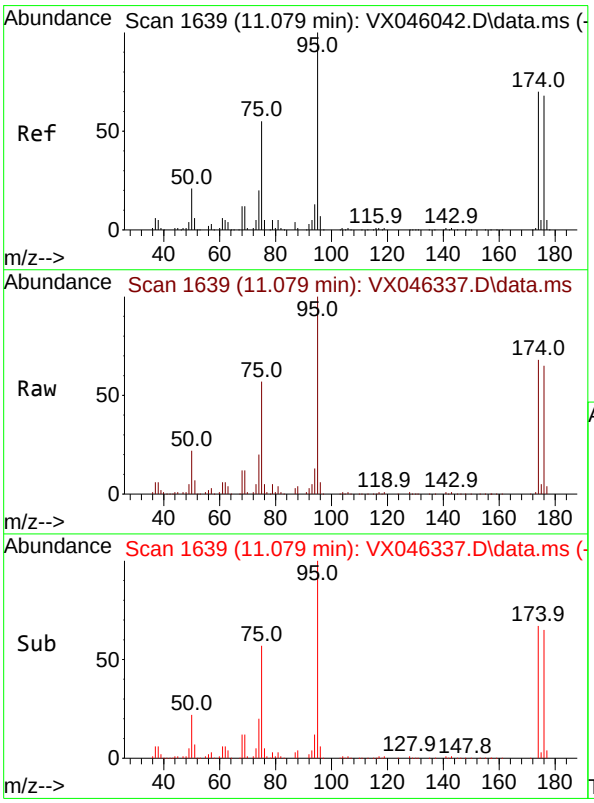
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.4 | 73.3 | 109.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

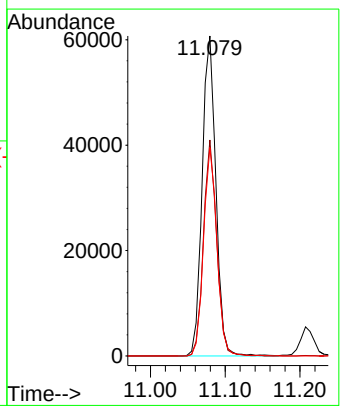


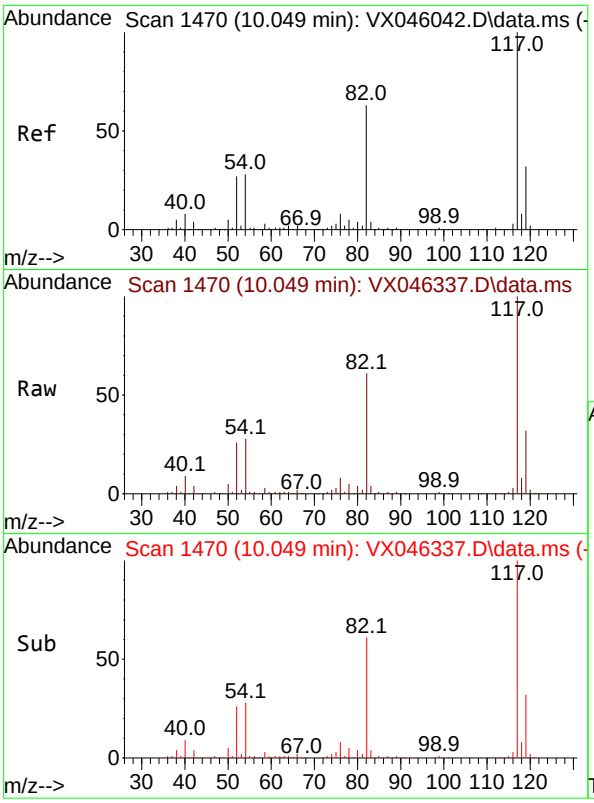




#62
4-Bromofluorobenzene
Concen: 51.761 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 95 Resp: 77206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 65.2 | 0.0 | 135.8 |
| 176 | 63.8 | 0.0 | 131.4 |

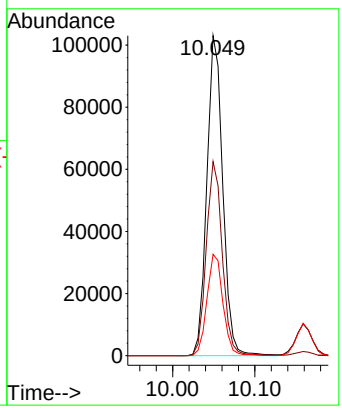





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:117 Resp: 13856

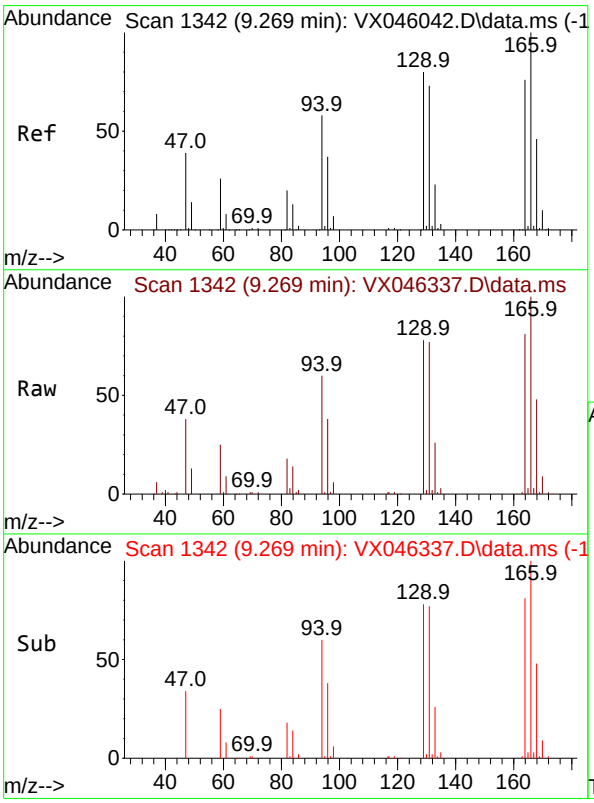
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.6 | 50.6 | 76.0 |
| 119 | 31.7 | 25.8 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

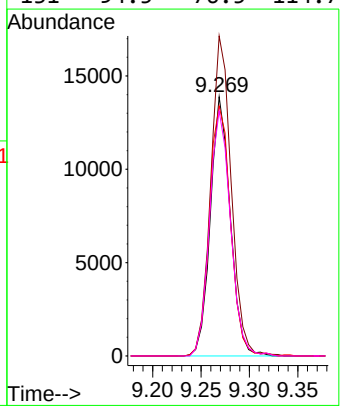
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

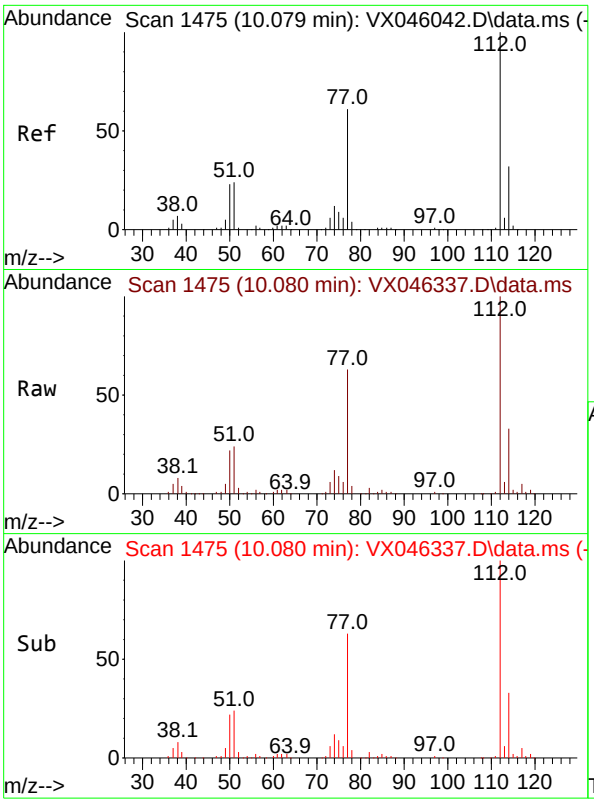



#64
Tetrachloroethene
Concen: 20.184 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:164 Resp: 19788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.5 | 105.0 | 157.6 |
| 129 | 96.4 | 83.5 | 125.3 |
| 131 | 94.5 | 76.5 | 114.7 |






#65
Chlorobenzene
Concen: 20.002 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

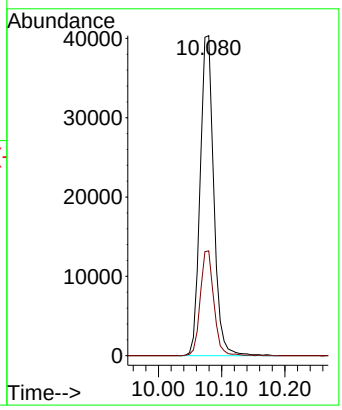
Tgt Ion:112 Resp: 6066

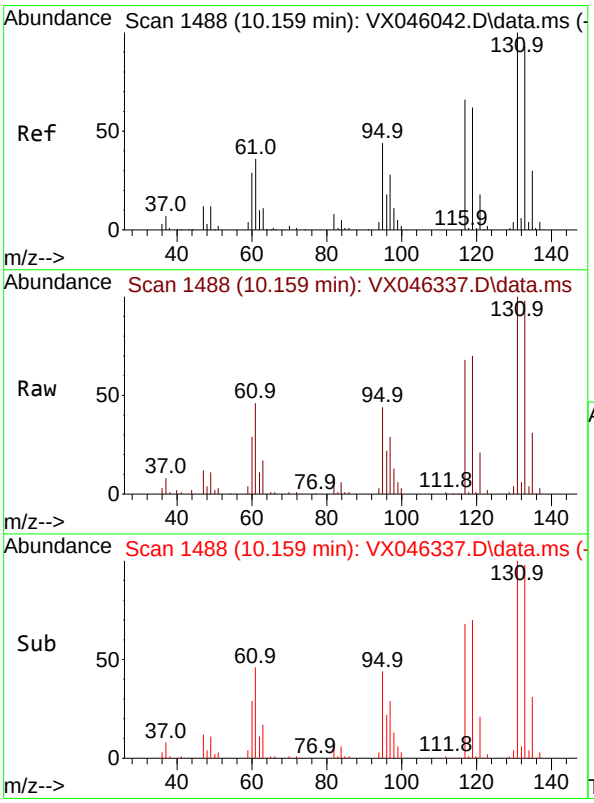
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.8 | 25.4 | 38.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

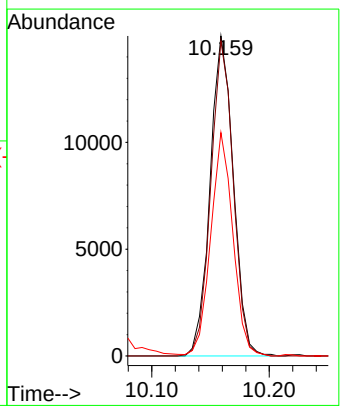


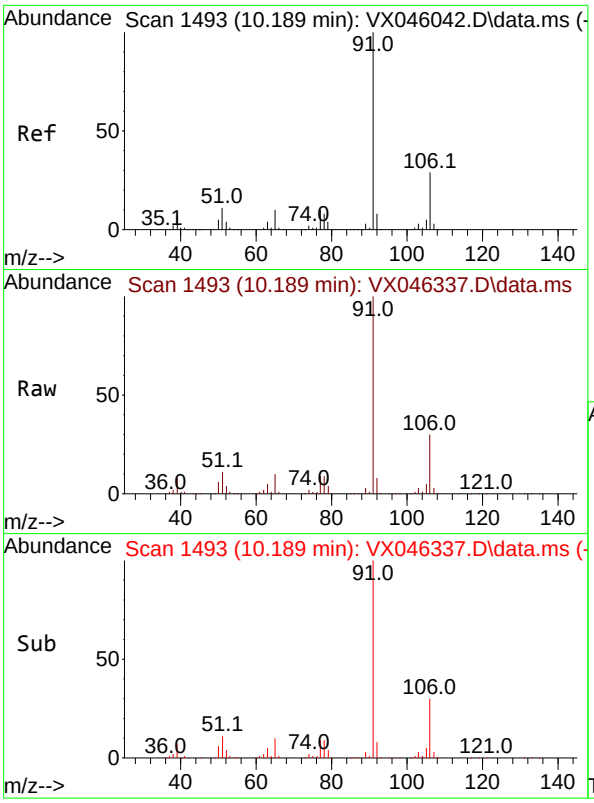




#66
1,1,1,2-Tetrachloroethane
Concen: 19.892 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:131 Resp: 20600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.0 | 47.3 | 141.9 |
| 119 | 66.4 | 31.6 | 95.0 |

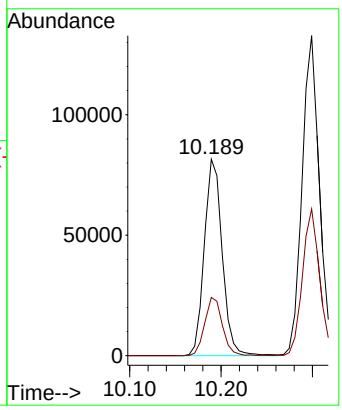





#67
Ethyl Benzene
Concen: 20.709 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 91 Resp: 11071

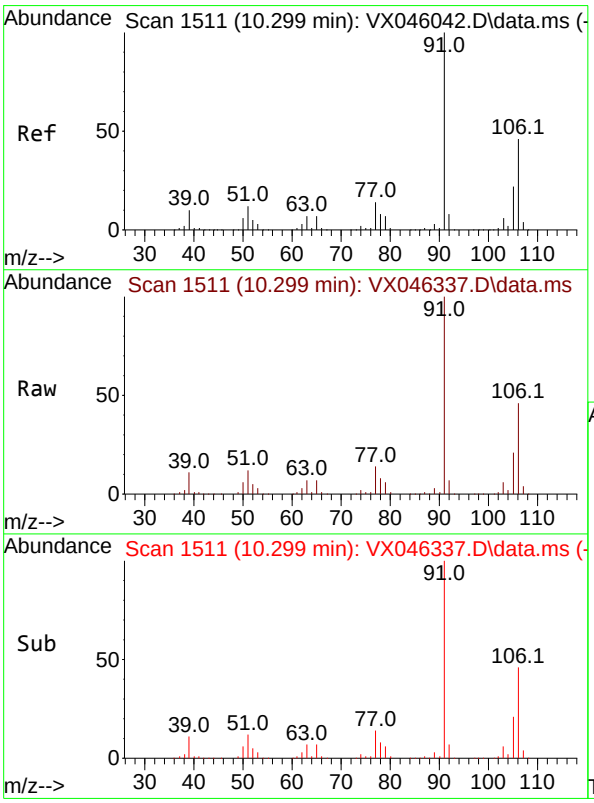
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.6 | 23.4 | 35.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

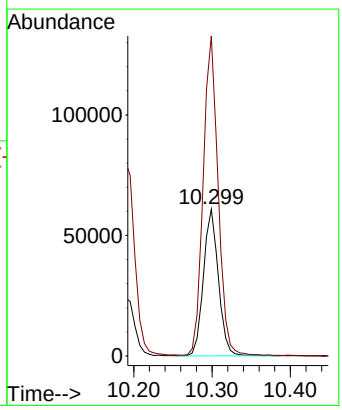
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

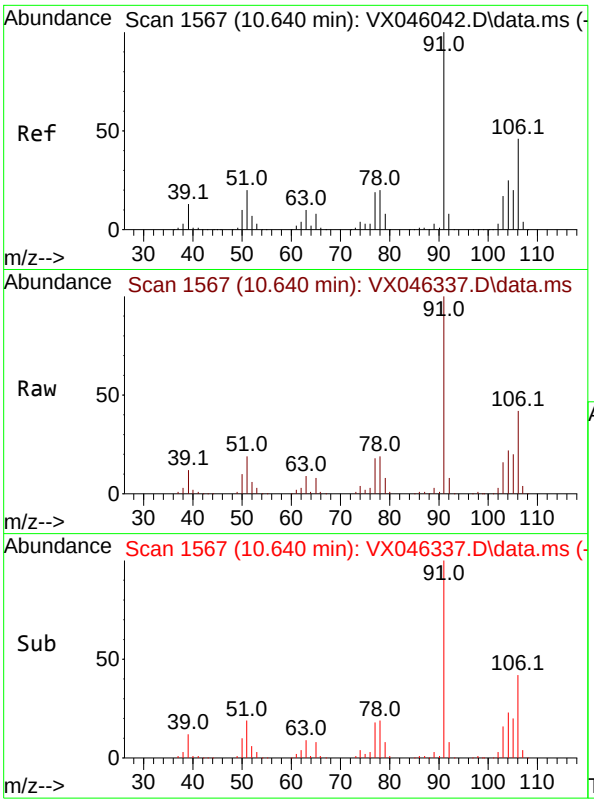



#68
m/p-Xylenes
Concen: 41.069 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:106 Resp: 80300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.4 | 171.2 | 256.8 |

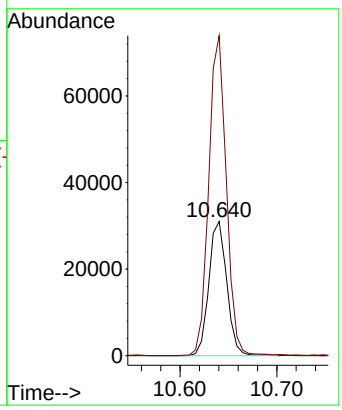





#69
o-Xylene
Concen: 20.990 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:106 Resp: 4001

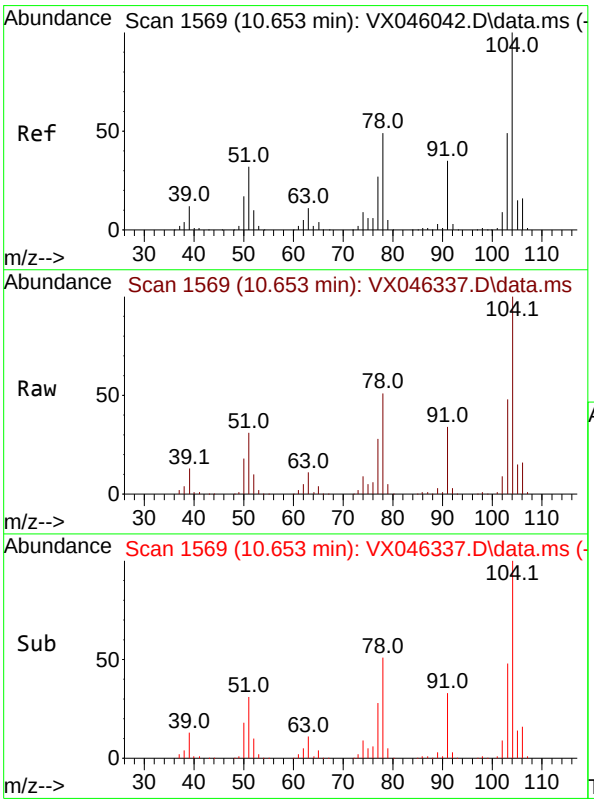
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 234.4 | 112.7 | 338.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

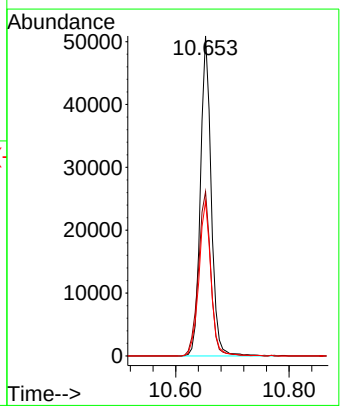
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

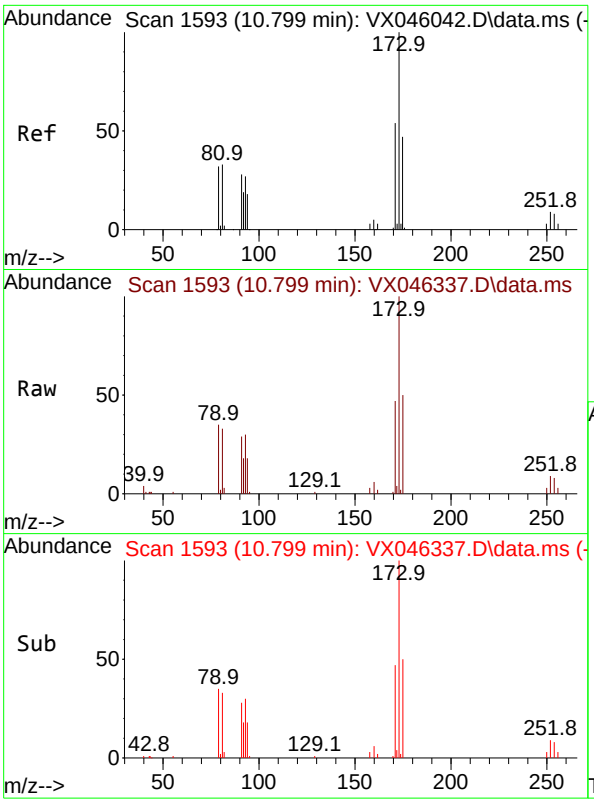



#70
Styrene
Concen: 21.468 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:104 Resp: 67035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 58.9 | 45.7 | 68.5 |
| 103 | 53.9 | 43.7 | 65.5 |

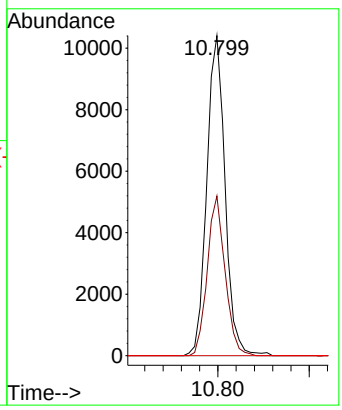





#71
Bromoform
Concen: 18.508 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:173 Resp: 1439

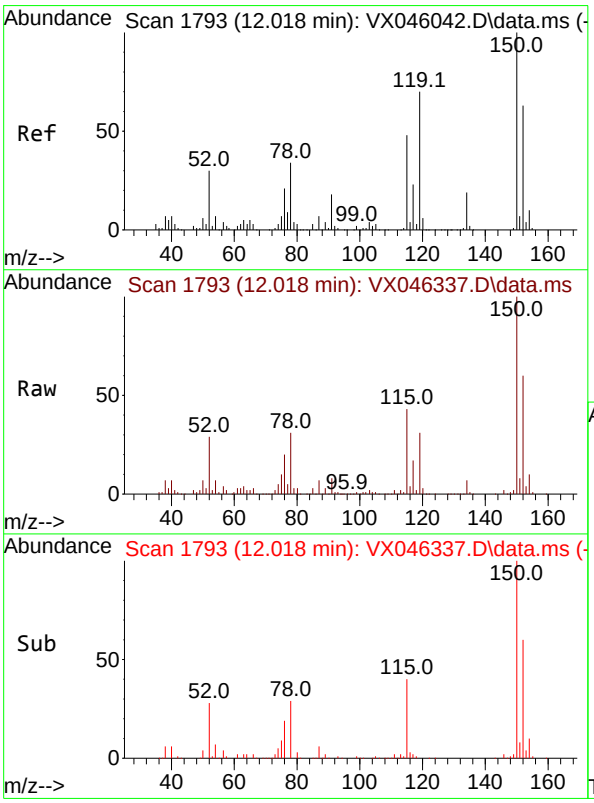
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

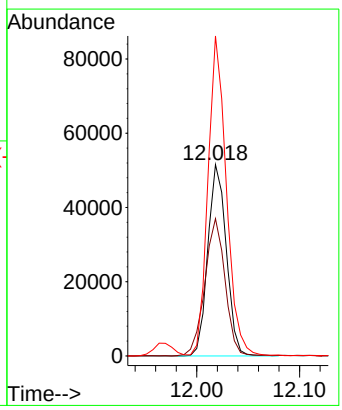
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

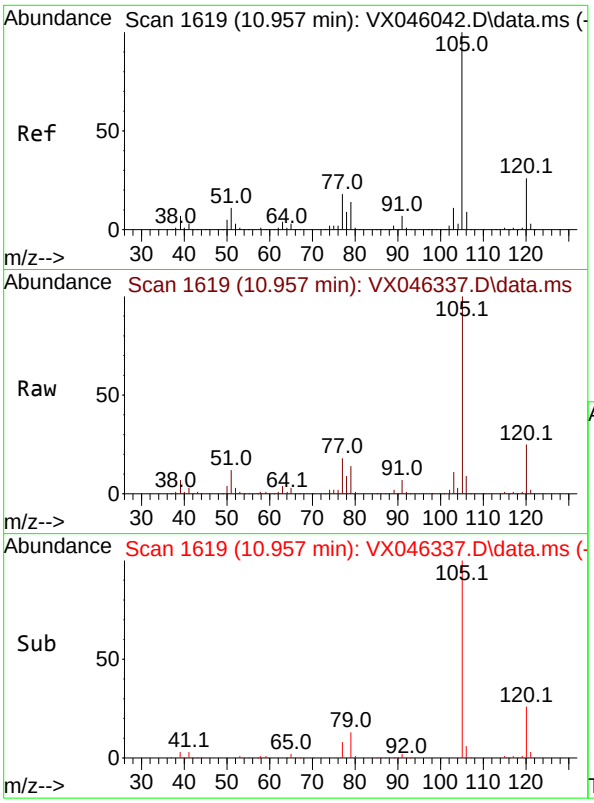



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:152 Resp: 64515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 78.7 | 46.9 | 140.7 |
| 150 | 165.9 | 0.0 | 351.0 |






#73
Isopropylbenzene
Concen: 21.506 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

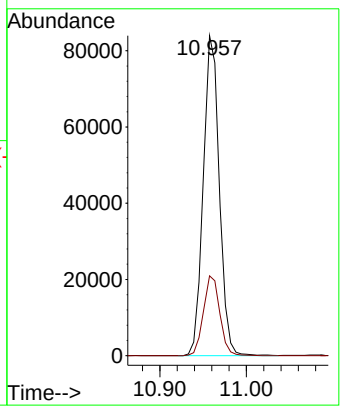
Tgt Ion:105 Resp: 10801

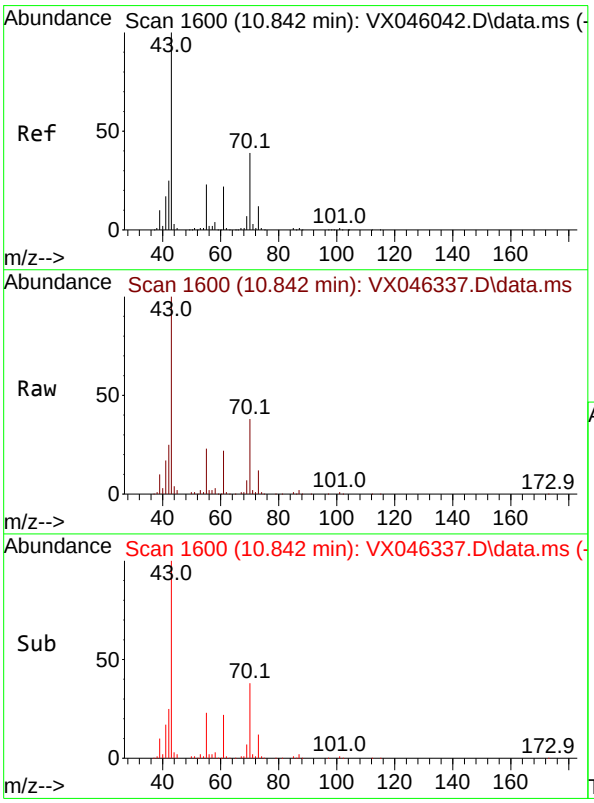
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.5 | 12.8 | 38.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

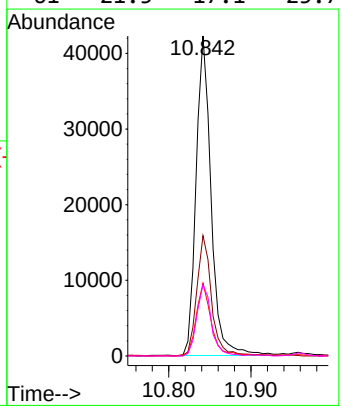


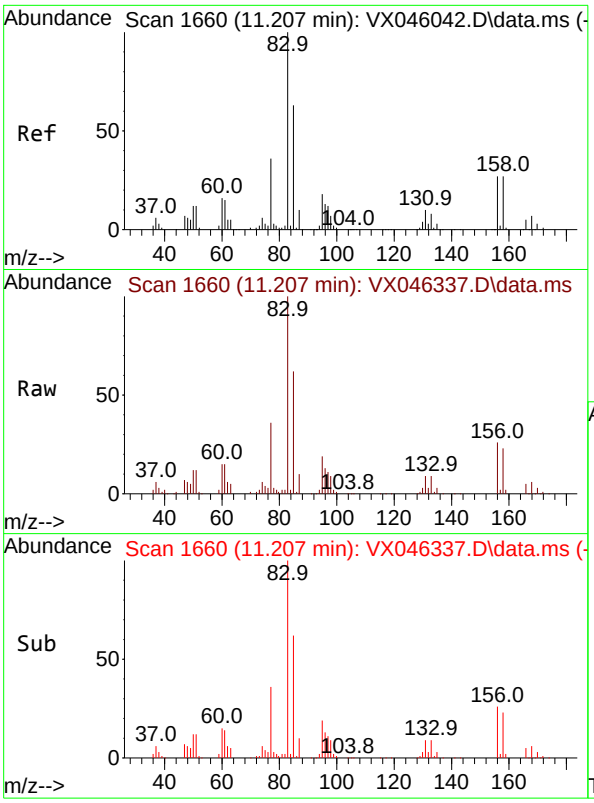




#74
N-amyl acetate
Concen: 21.617 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 43 Resp: 53653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 37.3 | 30.9 | 46.3 |
| 55 | 23.1 | 18.7 | 28.1 |
| 61 | 21.5 | 17.1 | 25.7 |






#75
1,1,2,2-Tetrachloroethane
Concen: 21.221 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

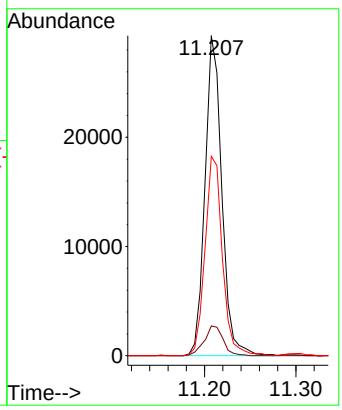
Tgt Ion: 83 Resp: 3735

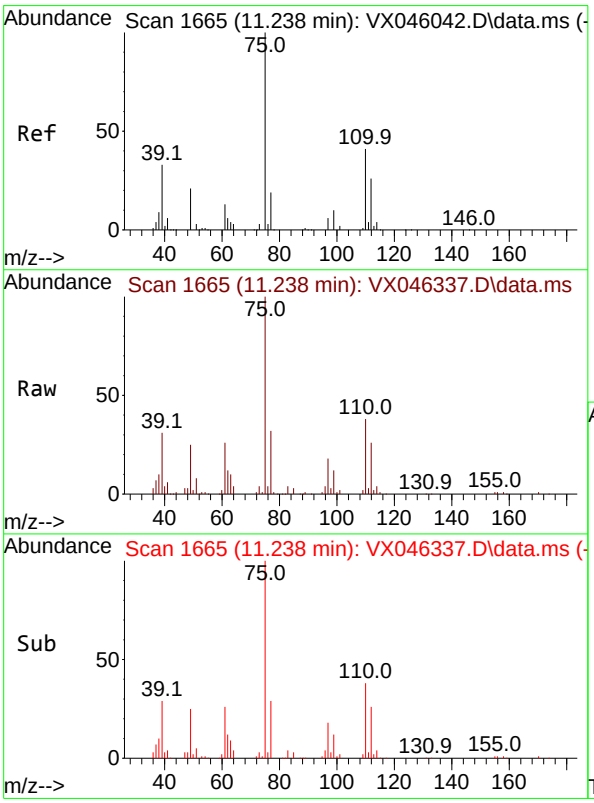
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 5.0 | 14.9 |
| 85 | 64.4 | 31.9 | 95.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

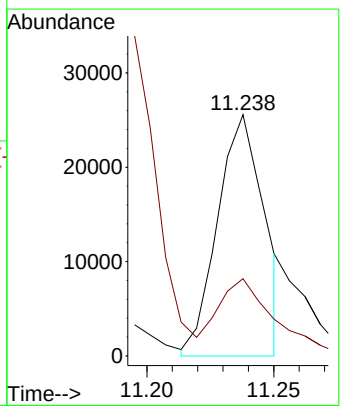


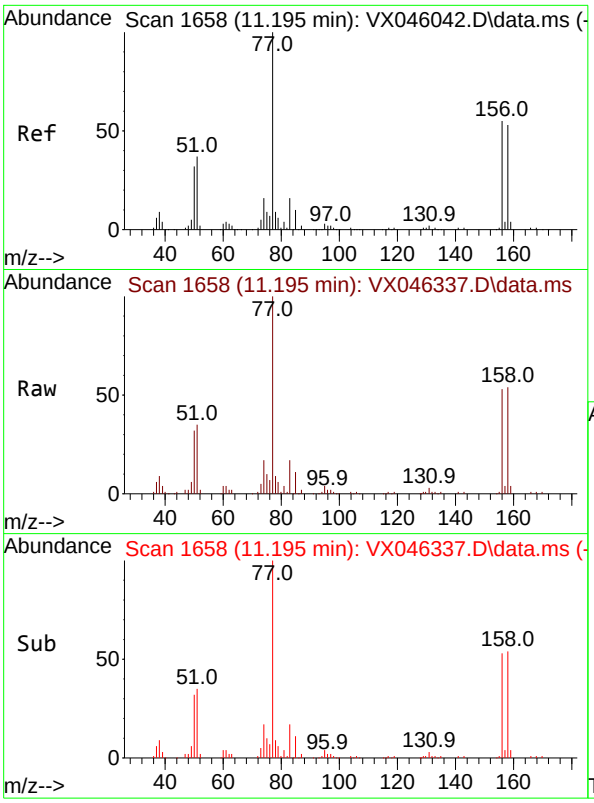




#76
1,2,3-Trichloropropane
Concen: 21.058 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 75 Resp: 32701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.4 | 20.5 | 61.5 |

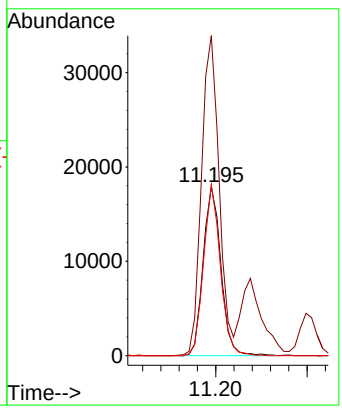





#77
Bromobenzene
Concen: 20.692 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:156 Resp: 2412

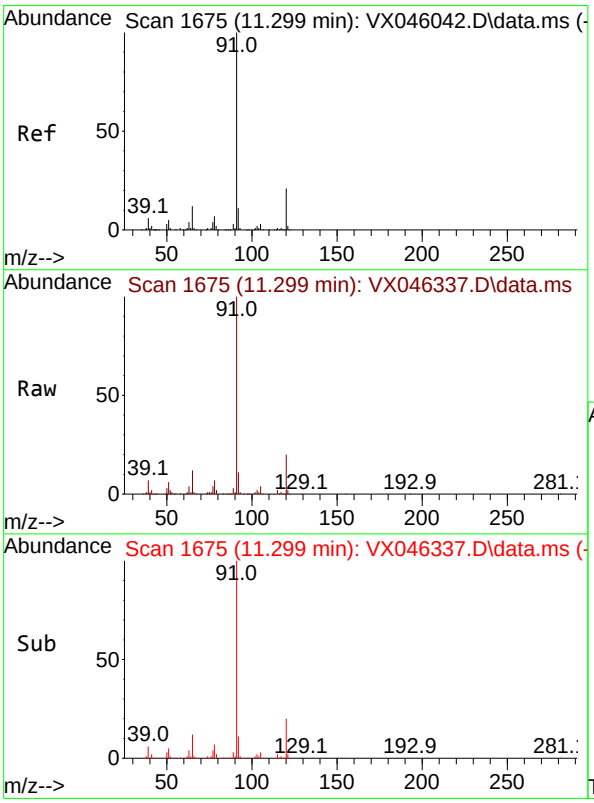
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 187.9 | 92.8 | 278.3 |
| 158 | 95.9 | 48.8 | 146.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

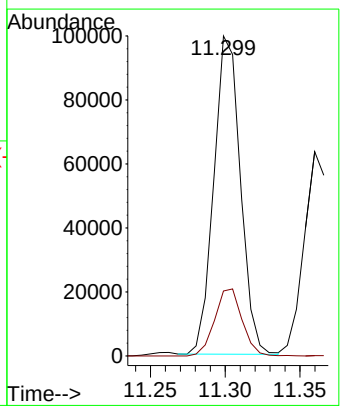
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

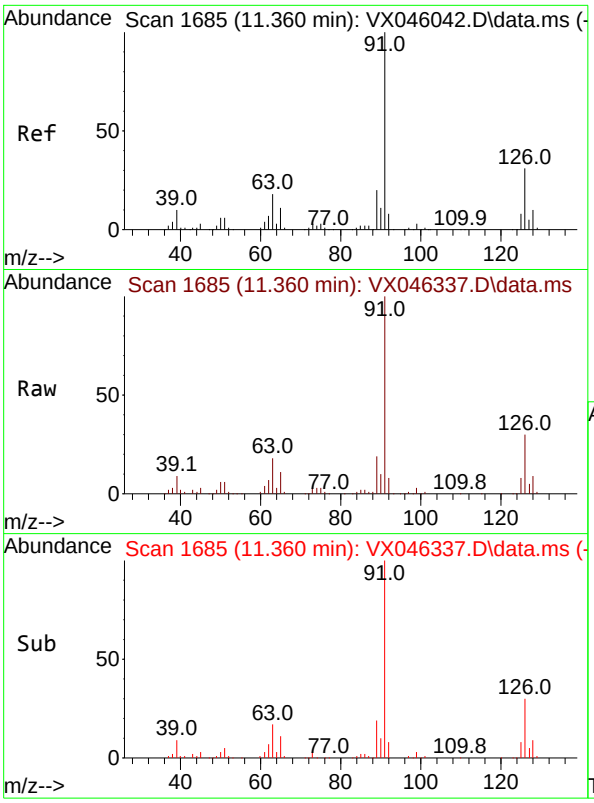



#78
n-propylbenzene
Concen: 21.050 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 91 Resp: 122931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.8 | 10.8 | 32.4 |






#79
2-Chlorotoluene
Concen: 20.765 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

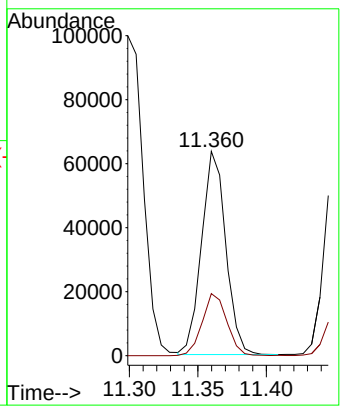
Tgt Ion: 91 Resp: 7822

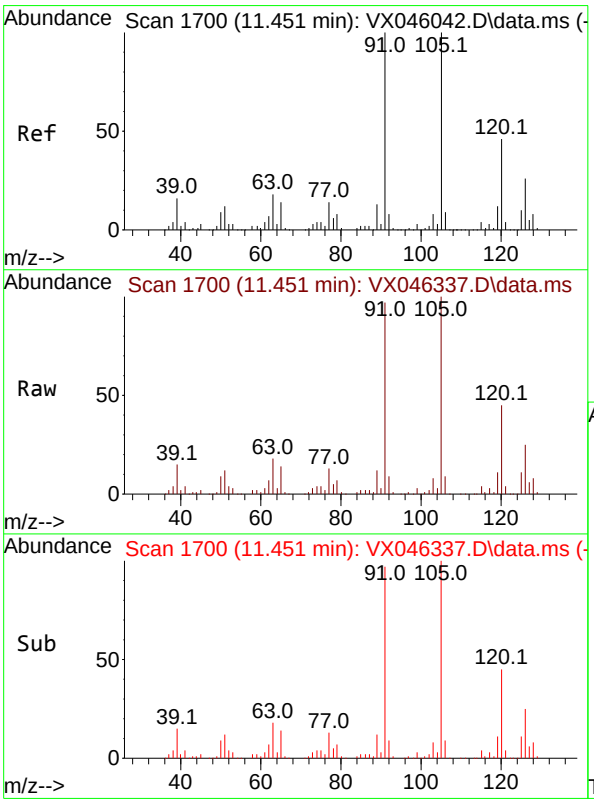
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.2 | 15.6 | 46.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

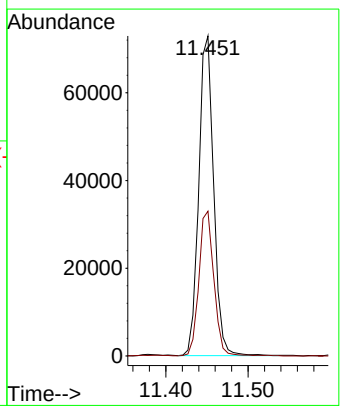


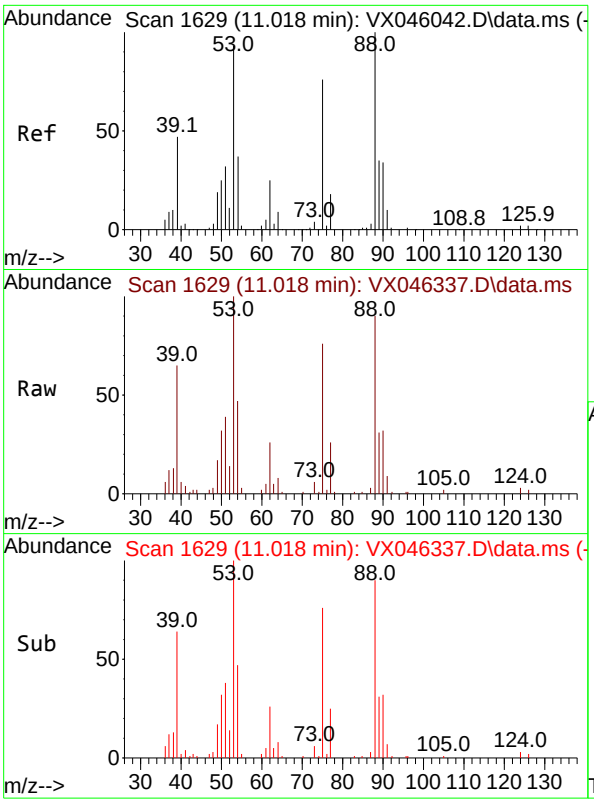




#80
1,3,5-Trimethylbenzene
Concen: 21.833 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:105 Resp: 91615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.8 | 23.1 | 69.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 17.558 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

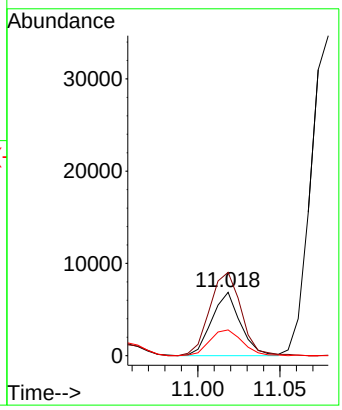
Tgt Ion: 75 Resp: 837

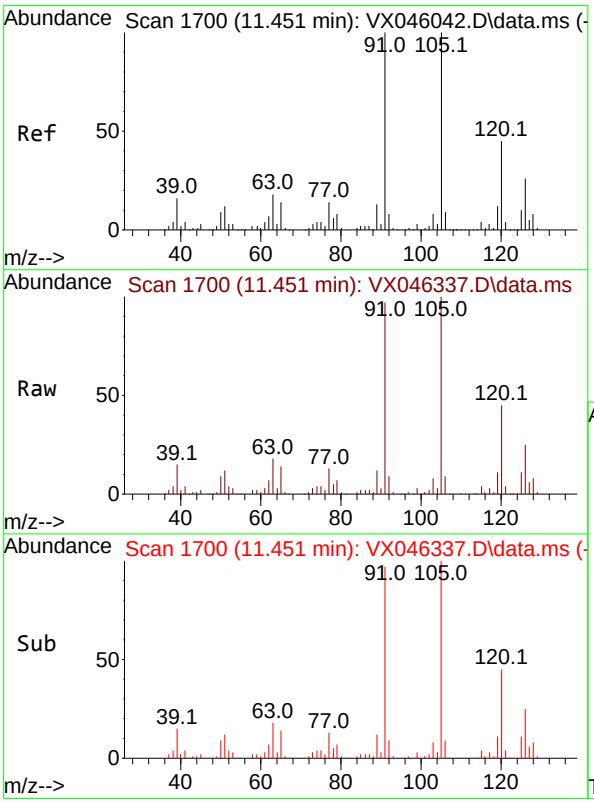
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 143.5 | 100.5 | 150.7 |
| 89 | 46.4 | 37.0 | 55.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

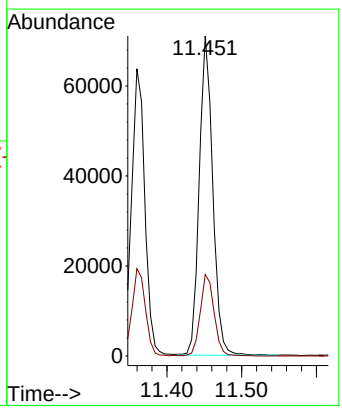


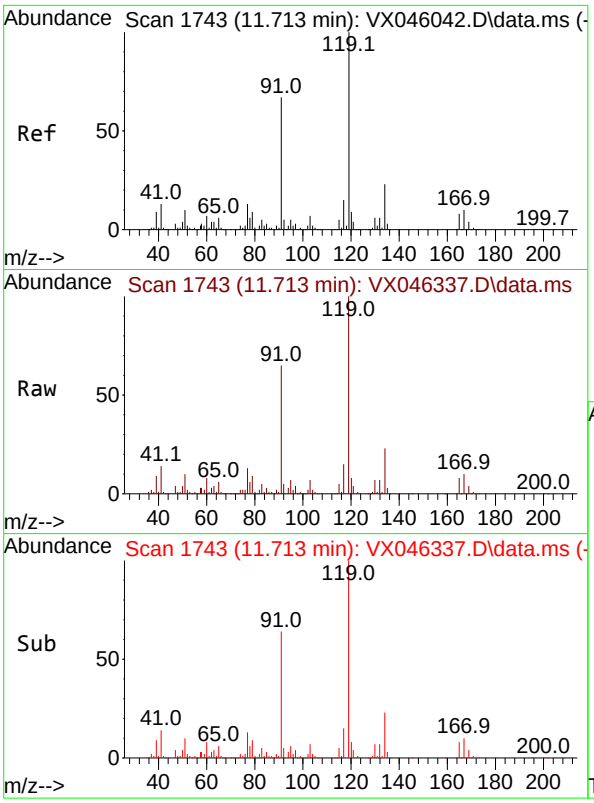




#82
4-Chlorotoluene
Concen: 21.268 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 91 Resp: 88845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.2 | 13.3 | 39.8 |

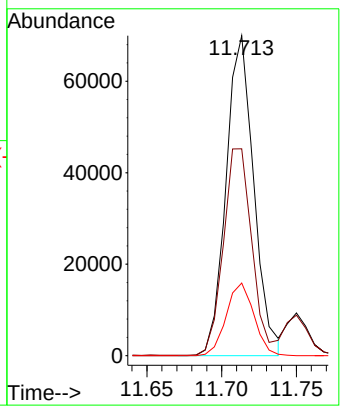





#83
tert-Butylbenzene
Concen: 21.367 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:119 Resp: 9031

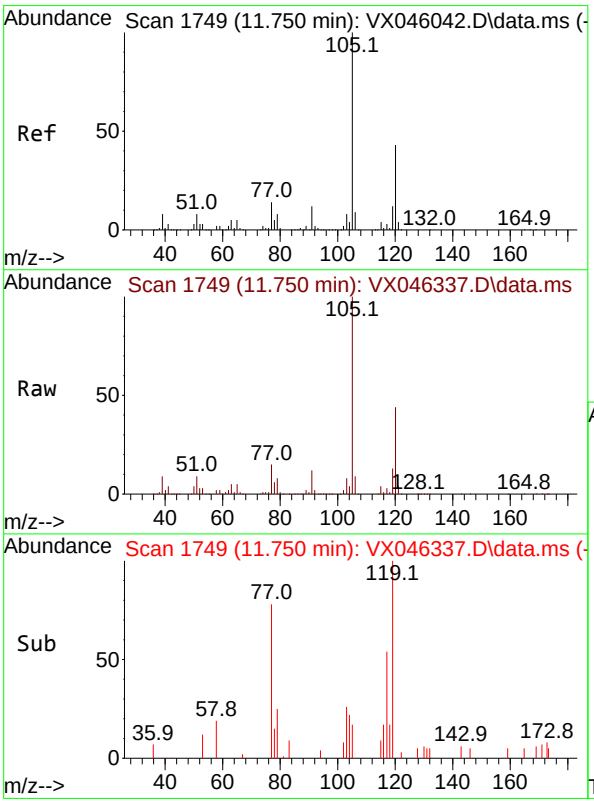
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.7 | 32.9 | 98.7 |
| 134 | 22.6 | 11.4 | 34.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

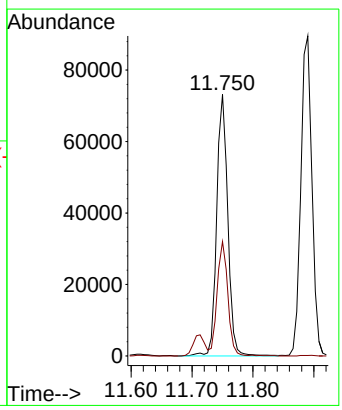
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

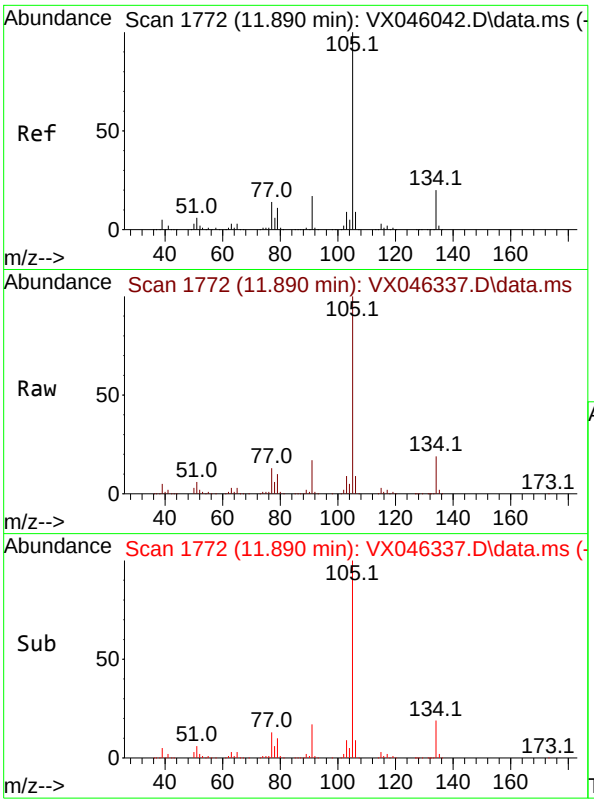



#84
1,2,4-Trimethylbenzene
Concen: 21.726 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:105 Resp: 92322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.0 | 21.2 | 63.6 |

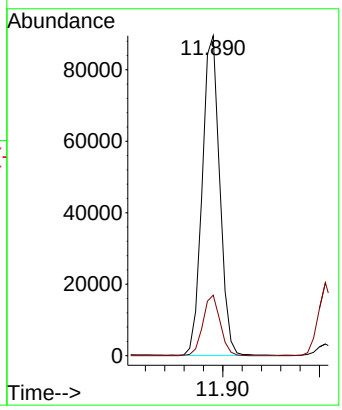





#85
sec-Butylbenzene
Concen: 21.734 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:105 Resp: 11278

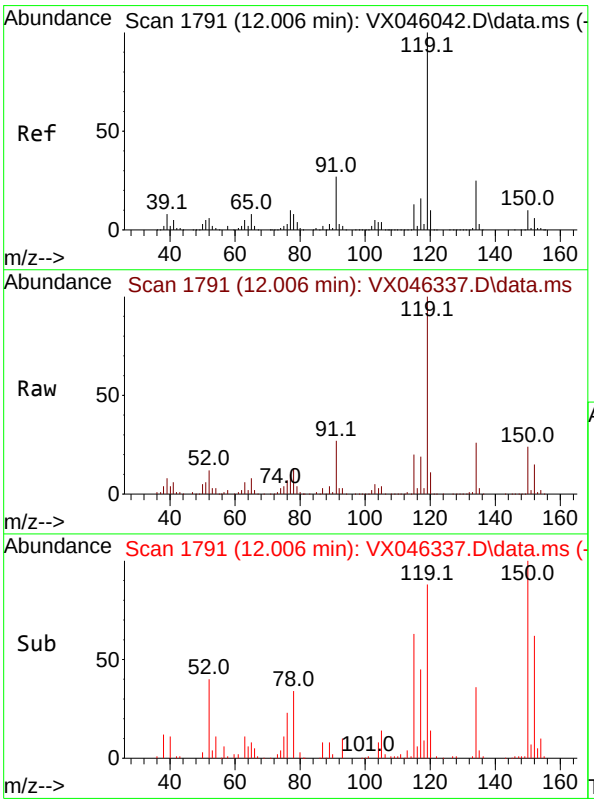
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.7 | 9.7 | 29.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

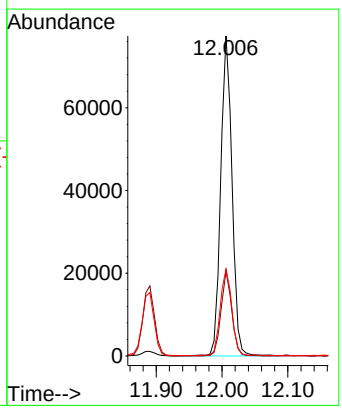
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

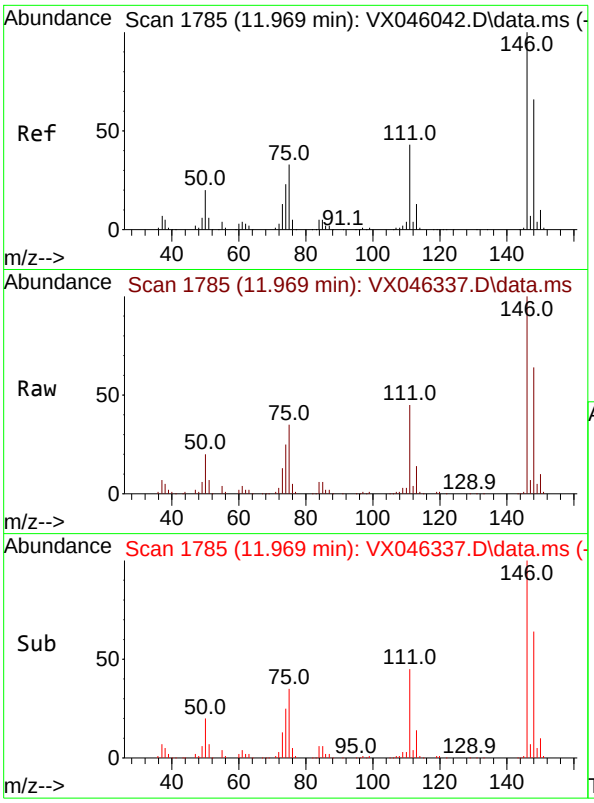



#86
p-Isopropyltoluene
Concen: 21.620 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:119 Resp: 92615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.1 | 12.5 | 37.5 |
| 91 | 27.4 | 13.8 | 41.4 |

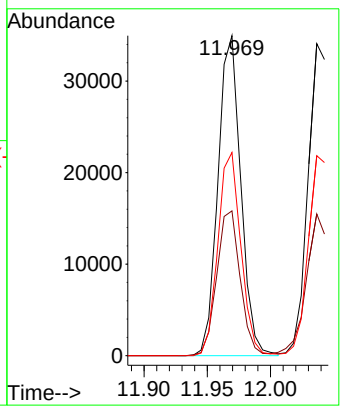





#87
1,3-Dichlorobenzene
Concen: 20.598 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:146 Resp: 4383

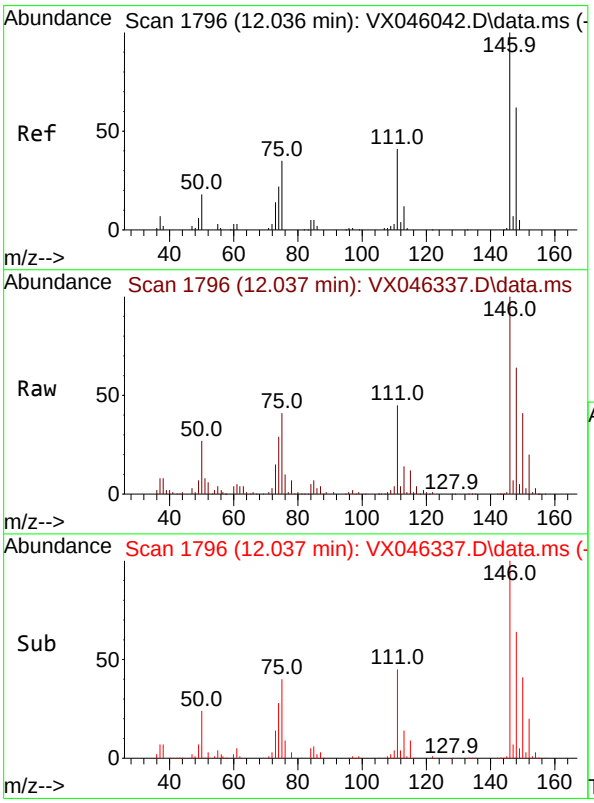
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.7 | 22.1 | 66.3 |
| 148 | 63.9 | 32.1 | 96.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

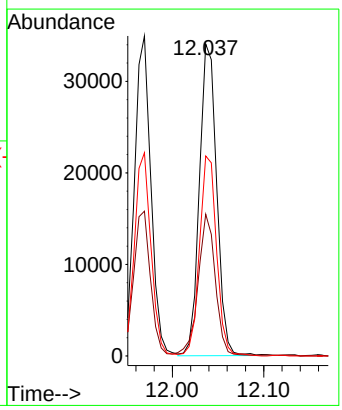
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

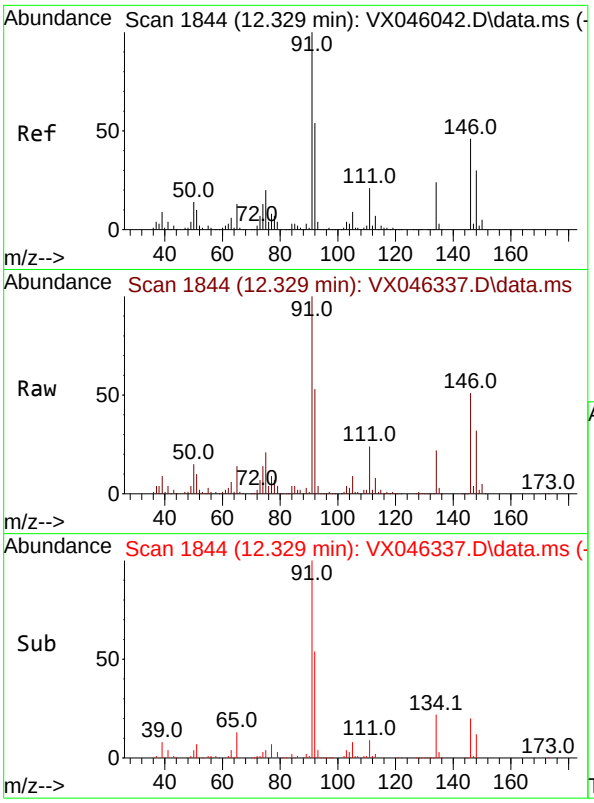



#88
1,4-Dichlorobenzene
Concen: 20.556 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:146 Resp: 44676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.9 | 21.3 | 63.9 |
| 148 | 63.6 | 31.9 | 95.5 |

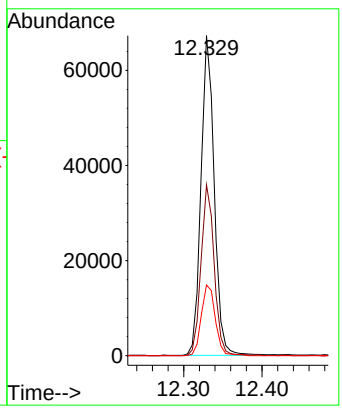





#89
n-Butylbenzene
Concen: 20.975 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 91 Resp: 7881

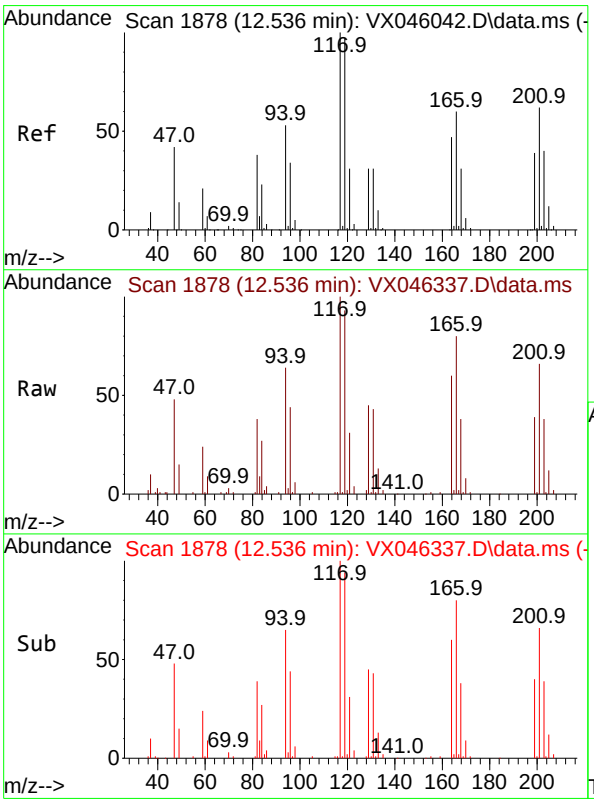
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.5 | 26.9 | 80.7 |
| 134 | 23.4 | 11.8 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

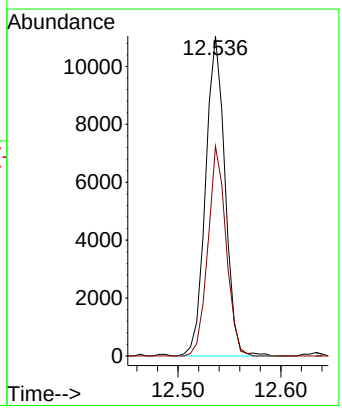
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

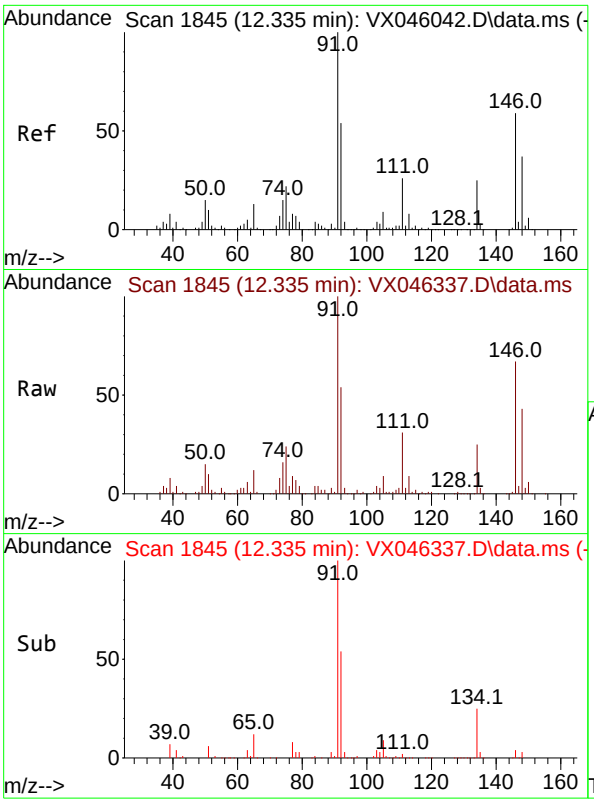



#90
Hexachloroethane
Concen: 19.179 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:117 Resp: 14474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 61.4 | 31.6 | 94.7 |

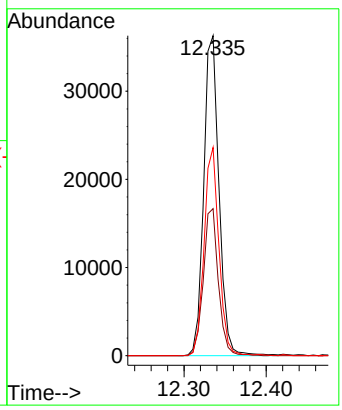





#91
1,2-Dichlorobenzene
Concen: 21.916 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:146 Resp: 4680

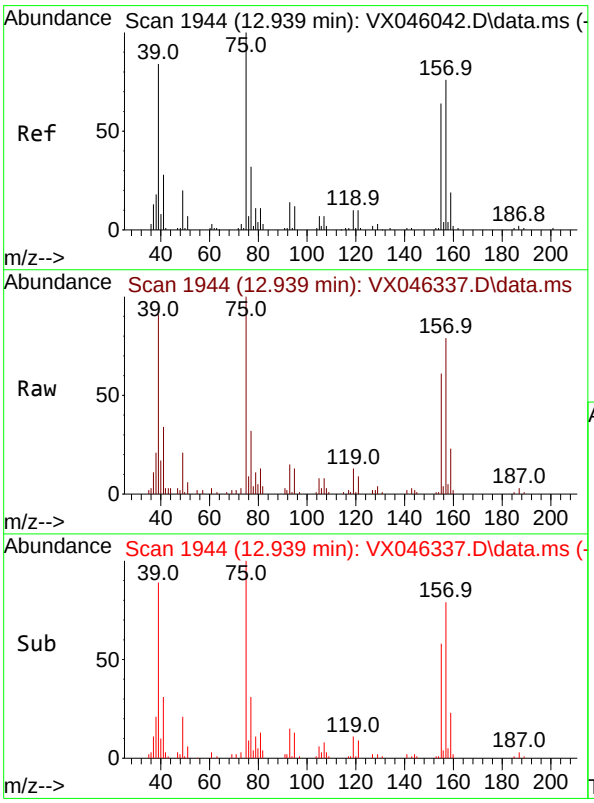
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.4 | 22.4 | 67.3 |
| 148 | 63.0 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

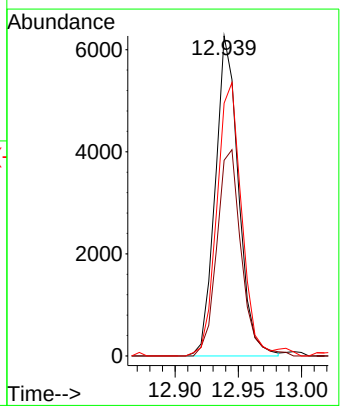
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

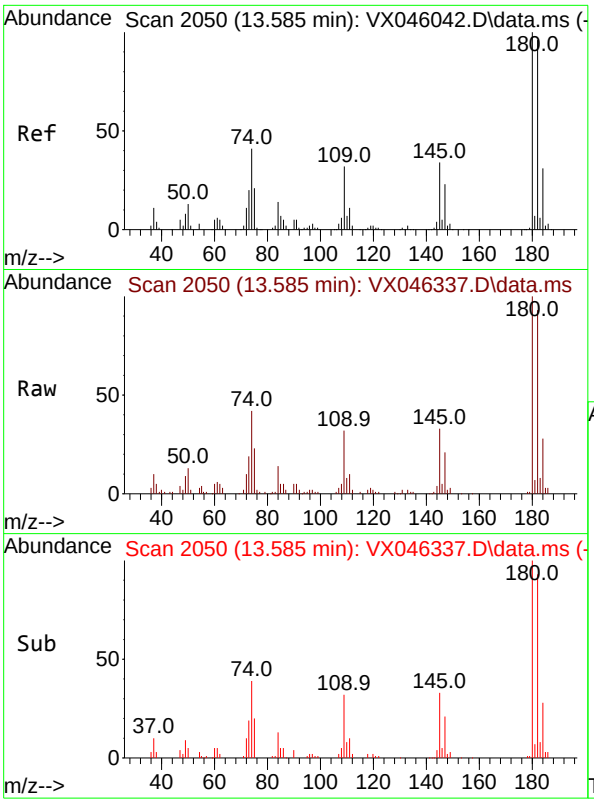



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.524 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 75 Resp: 8003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 67.7 | 34.9 | 104.8 |
| 157 | 91.9 | 43.8 | 131.4 |

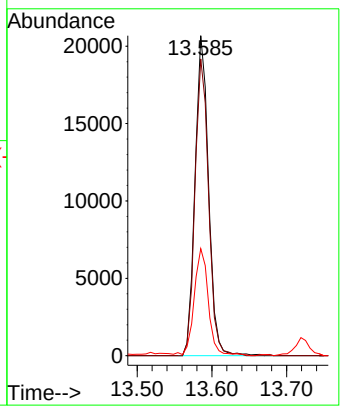





#93
1,2,4-Trichlorobenzene
Concen: 21.225 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:180 Resp: 2603

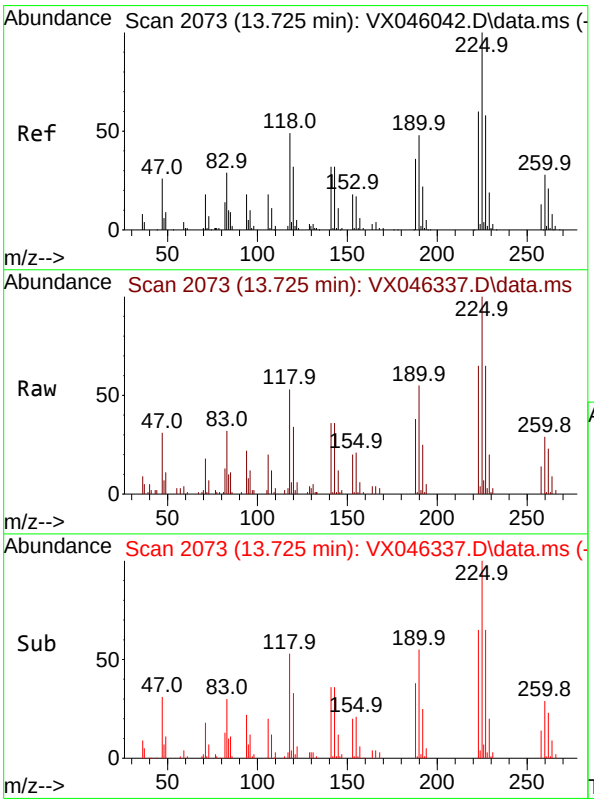
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.1 | 47.9 | 143.8 |
| 145 | 35.1 | 17.1 | 51.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

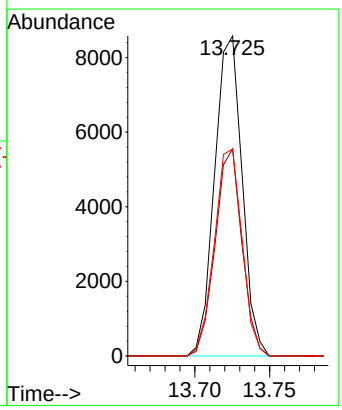
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

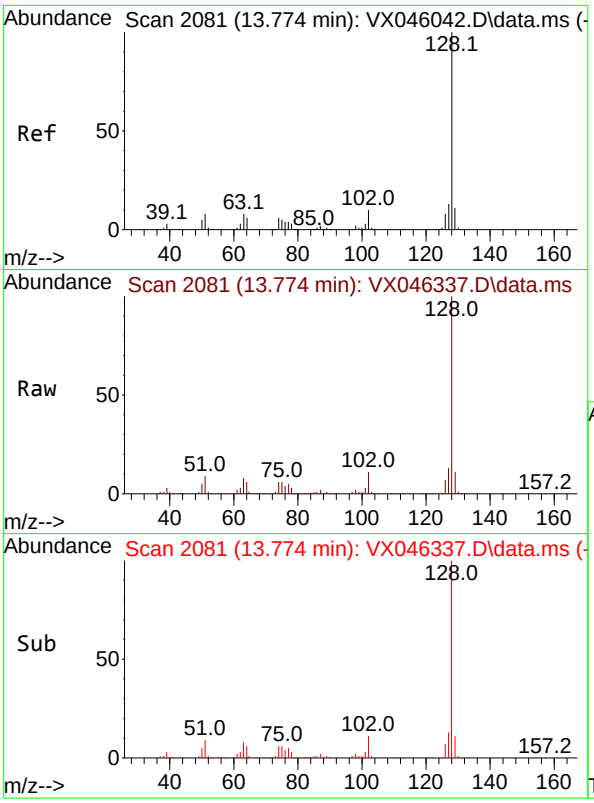



#94
Hexachlorobutadiene
Concen: 20.455 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:225 Resp: 10958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 30.8 | 92.4 |
| 227 | 65.3 | 30.9 | 92.7 |






#95
Naphthalene
Concen: 21.296 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

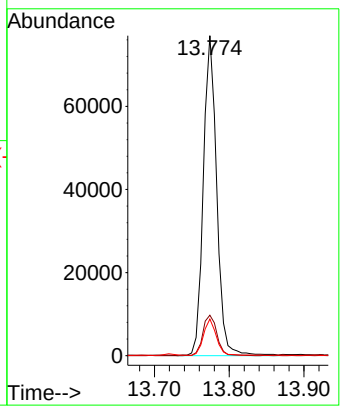
Tgt Ion:128 Resp: 9580

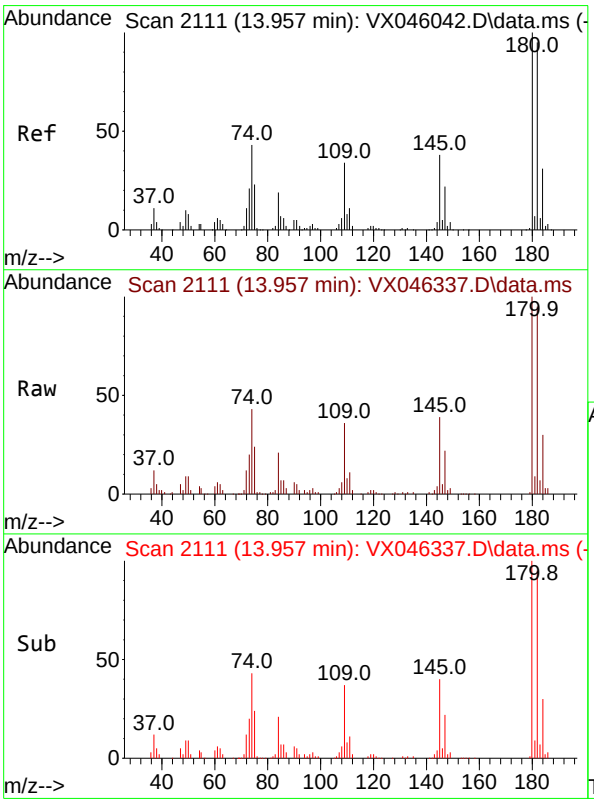
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.3 | 10.4 | 15.6 |
| 129 | 10.7 | 8.6 | 13.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

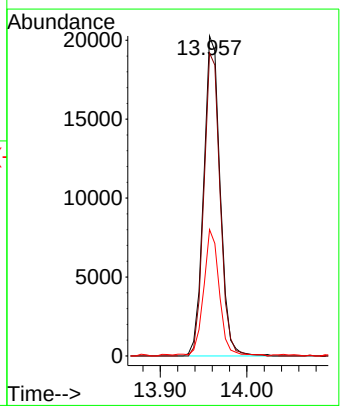



#96
1,2,3-Trichlorobenzene
Concen: 21.171 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:180 Resp: 26794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.3 | 47.8 | 143.3 |
| 145 | 38.0 | 18.1 | 54.3 |



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

# Manual Integration Report

| Sequence: | VX050525 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC020 | VX046041.D | 1,2,3-Trichloropropane | JOHN | 5/6/2025 9:53:13 AM | MMDadoda | 5/6/2025 12:42:46 PM | Peak Integrated by Software |
| VSTDICCC050 | VX046042.D | 1,2,3-Trichloropropane | JOHN | 5/6/2025 9:53:18 AM | MMDadoda | 5/6/2025 12:42:48 PM | Peak Integrated by Software |
| VSTDICC100 | VX046043.D | 1,2,3-Trichloropropane | JOHN | 5/6/2025 9:53:22 AM | MMDadoda | 5/6/2025 12:42:50 PM | Peak Integrated by Software |
| VSTDICC150 | VX046044.D | 1,2,3-Trichloropropane | JOHN | 5/6/2025 9:53:27 AM | MMDadoda | 5/6/2025 12:42:53 PM | Peak Integrated by Software |
| VSTDICC005 | VX046046.D | 1,2,3-Trichloropropane | JOHN | 5/6/2025 9:53:32 AM | MMDadoda | 5/6/2025 12:42:56 PM | Peak Integrated by Software |
| VSTDICC005 | VX046046.D | Ethyl Acetate | JOHN | 5/6/2025 9:53:32 AM | MMDadoda | 5/6/2025 12:42:56 PM | Peak Integrated by Software |
| VSTDICC001 | VX046047.D | 1,2,3-Trichloropropane | JOHN | 5/6/2025 9:53:38 AM | MMDadoda | 5/6/2025 12:41:35 PM | Peak Integrated by Software |
| VSTDICC001 | VX046047.D | 1,4-Dichlorobenzene | JOHN | 5/6/2025 9:53:38 AM | MMDadoda | 5/6/2025 12:41:35 PM | Peak Integrated by Software |
| VSTDICC001 | VX046047.D | Bromochloromethane | JOHN | 5/6/2025 9:53:38 AM | MMDadoda | 5/6/2025 12:41:35 PM | Peak Integrated by Software |
| VSTDICC001 | VX046047.D | Ethyl Acetate | JOHN | 5/6/2025 9:53:38 AM | MMDadoda | 5/6/2025 12:41:35 PM | Peak Integrated by Software |
| VSTDICC001 | VX046047.D | Methyl methacrylate | JOHN | 5/6/2025 9:53:38 AM | MMDadoda | 5/6/2025 12:41:35 PM | Peak Integrated by Software |
| VSTDICV050 | VX046048.D | 1,2,3-Trichloropropane | JOHN | 5/6/2025 9:53:45 AM | MMDadoda | 5/6/2025 12:41:37 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VX050525 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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# Manual Integration Report

| Sequence: | vx052325 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX046331.D | 1,2,3-Trichloropropane | SAM | 5/26/2025 5:41:51 AM | MMDadoda | 5/26/2025 5:43:38 AM | Peak Integrated by Software |
| VSTDCCC050 | VX046331.D | Methacrylonitrile | SAM | 5/26/2025 5:41:51 AM | MMDadoda | 5/26/2025 5:43:38 AM | Peak Integrated by Software |
| VX0523WBS01 | VX046334.D | 1,2,3-Trichloropropane | SAM | 5/26/2025 5:41:54 AM | MMDadoda | 5/26/2025 5:43:41 AM | Peak Integrated by Software |
| VX0523WBSD01 | VX046337.D | 1,2,3-Trichloropropane | SAM | 5/26/2025 5:42:00 AM | MMDadoda | 5/26/2025 5:43:45 AM | Peak Integrated by Software |
| VSTDCCC050 | VX046357.D | 1,2,3-Trichloropropane | SAM | 5/26/2025 5:42:03 AM | MMDadoda | 5/26/2025 5:43:48 AM | Peak Integrated by Software |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 5/6/2025 9:53:58 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 5/6/2025 12:43:00 PM | | |
| SubDirectory | VX050525 | HP Acquire Method | | HP Processing Method | 82X050525W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133811 |
| Initial Calibration Stds | VP133832,VP133833,VP133834,VP133835,VP133836,VP133837 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP133838 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX046038.D | 05 May 2025 09:37 | JC/MD | Ok |
| 2 | VSTDICC001 | VX046039.D | 05 May 2025 10:49 | JC/MD | Not Ok |
| 3 | VSTDICC005 | VX046040.D | 05 May 2025 11:12 | JC/MD | Not Ok |
| 4 | VSTDICC020 | VX046041.D | 05 May 2025 11:35 | JC/MD | Ok,M |
| 5 | VSTDICCC050 | VX046042.D | 05 May 2025 11:58 | JC/MD | Ok,M |
| 6 | VSTDICC100 | VX046043.D | 05 May 2025 12:21 | JC/MD | Ok,M |
| 7 | VSTDICC150 | VX046044.D | 05 May 2025 12:45 | JC/MD | Ok,M |
| 8 | IBLK | VX046045.D | 05 May 2025 13:08 | JC/MD | Ok |
| 9 | VSTDICC005 | VX046046.D | 05 May 2025 16:04 | JC/MD | Ok,M |
| 10 | VSTDICC001 | VX046047.D | 05 May 2025 16:27 | JC/MD | Ok,M |
| 11 | VSTDICV050 | VX046048.D | 05 May 2025 16:50 | JC/MD | Ok,M |

M : Manual Integration

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX052325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 5/23/2025 4:14:57 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 5/26/2025 5:42:25 AM | | |
| SubDirectory | VX052325 | HP Acquire Method | | HP Processing Method | 82X050525W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134008 |
| Initial Calibration Stds | |
| CCC | VP134009,VP134010 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX046330.D | 23 May 2025 08:25 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX046331.D | 23 May 2025 09:24 | JC/MD | Ok,M |
| 3 | VX0523MBL01 | VX046332.D | 23 May 2025 09:53 | JC/MD | Ok |
| 4 | VX0523WBL01 | VX046333.D | 23 May 2025 10:16 | JC/MD | Ok |
| 5 | VX0523WBS01 | VX046334.D | 23 May 2025 10:57 | JC/MD | Ok,M |
| 6 | VX0523MBS01 | VX046335.D | 23 May 2025 11:23 | JC/MD | Ok,M |
| 7 | Q2075-06ME | VX046336.D | 23 May 2025 11:46 | JC/MD | Ok |
| 8 | VX0523WBSD01 | VX046337.D | 23 May 2025 12:10 | JC/MD | Ok,M |
| 9 | Q2120-01 | VX046338.D | 23 May 2025 12:33 | JC/MD | Ok |
| 10 | Q2120-02 | VX046339.D | 23 May 2025 12:56 | JC/MD | ReRun |
| 11 | Q2118-01 | VX046340.D | 23 May 2025 13:20 | JC/MD | Ok |
| 12 | Q2118-05 | VX046341.D | 23 May 2025 13:43 | JC/MD | Ok |
| 13 | Q2118-02 | VX046342.D | 23 May 2025 14:06 | JC/MD | Ok |
| 14 | Q2118-03 | VX046343.D | 23 May 2025 14:29 | JC/MD | Ok |
| 15 | Q2118-04 | VX046344.D | 23 May 2025 14:53 | JC/MD | Ok |
| 16 | Q2118-06 | VX046345.D | 23 May 2025 15:16 | JC/MD | Ok |
| 17 | Q2118-08 | VX046346.D | 23 May 2025 15:39 | JC/MD | Ok |
| 18 | Q2118-09 | VX046347.D | 23 May 2025 16:03 | JC/MD | Ok |
| 19 | Q2118-10 | VX046348.D | 23 May 2025 16:26 | JC/MD | Ok |
| 20 | Q2114-02 | VX046349.D | 23 May 2025 16:49 | JC/MD | Ok |
| 21 | Q2106-01 | VX046350.D | 23 May 2025 17:12 | JC/MD | Ok |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX052325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 5/23/2025 4:14:57 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 5/26/2025 5:42:25 AM | | |
| SubDirectory | VX052325 | HP Acquire Method | | HP Processing Method | 82X050525W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134008 |
| Initial Calibration Stds | |
| CCC | VP134009,VP134010 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2114-01 | VX046351.D | 23 May 2025 17:36 | JC/MD | Ok |
| 23 | Q2123-01 | VX046352.D | 23 May 2025 17:59 | JC/MD | Ok |
| 24 | Q2123-02 | VX046353.D | 23 May 2025 18:22 | JC/MD | Ok |
| 25 | Q2123-03 | VX046354.D | 23 May 2025 18:45 | JC/MD | Ok |
| 26 | Q2123-04 | VX046355.D | 23 May 2025 19:09 | JC/MD | Ok |
| 27 | Q2120-02 | VX046356.D | 23 May 2025 19:32 | JC/MD | Ok |
| 28 | VSTDCCC050 | VX046357.D | 23 May 2025 19:55 | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 5/6/2025 9:53:58 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 5/6/2025 12:43:00 PM | | |
| SubDirectory | VX050525 | HP Acquire Method | | HP Processing Method | 82X050525W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133811 |
| Initial Calibration Stds | VP133832,VP133833,VP133834,VP133835,VP133836,VP133837 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP133838 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX046038.D | 05 May 2025 09:37 | | JC/MD | Ok |
| 2 | VSTDICC001 | VSTDICC001 | VX046039.D | 05 May 2025 10:49 | Not used | JC/MD | Not Ok |
| 3 | VSTDICC005 | VSTDICC005 | VX046040.D | 05 May 2025 11:12 | Not used | JC/MD | Not Ok |
| 4 | VSTDICC020 | VSTDICC020 | VX046041.D | 05 May 2025 11:35 | | JC/MD | Ok,M |
| 5 | VSTDICCC050 | VSTDICCC050 | VX046042.D | 05 May 2025 11:58 | | JC/MD | Ok,M |
| 6 | VSTDICC100 | VSTDICC100 | VX046043.D | 05 May 2025 12:21 | | JC/MD | Ok,M |
| 7 | VSTDICC150 | VSTDICC150 | VX046044.D | 05 May 2025 12:45 | | JC/MD | Ok,M |
| 8 | IBLK | IBLK | VX046045.D | 05 May 2025 13:08 | | JC/MD | Ok |
| 9 | VSTDICC005 | VSTDICC005 | VX046046.D | 05 May 2025 16:04 | | JC/MD | Ok,M |
| 10 | VSTDICC001 | VSTDICC001 | VX046047.D | 05 May 2025 16:27 | | JC/MD | Ok,M |
| 11 | VSTDICV050 | ICVVX050525 | VX046048.D | 05 May 2025 16:50 | | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX052325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 5/23/2025 4:14:57 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 5/26/2025 5:42:25 AM | | |
| SubDirectory | VX052325 | HP Acquire Method | | HP Processing Method | 82X050525W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134008 |
| Initial Calibration Stds | |
| CCC | VP134009,VP134010 |
| 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 | VX046330.D | 23 May 2025 08:25 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX046331.D | 23 May 2025 09:24 | pH#Lot#V12668 | JC/MD | Ok,M |
| 3 | VX0523MBL01 | VX0523MBL01 | VX046332.D | 23 May 2025 09:53 | | JC/MD | Ok |
| 4 | VX0523WBL01 | VX0523WBL01 | VX046333.D | 23 May 2025 10:16 | | JC/MD | Ok |
| 5 | VX0523WBS01 | VX0523WBS01 | VX046334.D | 23 May 2025 10:57 | | JC/MD | Ok,M |
| 6 | VX0523MBS01 | VX0523MBS01 | VX046335.D | 23 May 2025 11:23 | | JC/MD | Ok,M |
| 7 | Q2075-06ME | SS-MW1-11.5ME | VX046336.D | 23 May 2025 11:46 | | JC/MD | Ok |
| 8 | VX0523WBSD01 | VX0523WBSD01 | VX046337.D | 23 May 2025 12:10 | | JC/MD | Ok,M |
| 9 | Q2120-01 | VPB182-HYD-2025052 | VX046338.D | 23 May 2025 12:33 | vial A pH<2 | JC/MD | Ok |
| 10 | Q2120-02 | BP-VPB-182-EB-20250 | VX046339.D | 23 May 2025 12:56 | vial A pH<2 EB,Hit of com.#16 | JC/MD | ReRun |
| 11 | Q2118-01 | BP-VPB-TB-20250520 | VX046340.D | 23 May 2025 13:20 | vial A pH<2 TB | JC/MD | Ok |
| 12 | Q2118-05 | BP-VPB-182-GW-460-4 | VX046341.D | 23 May 2025 13:43 | vial A pH<2 | JC/MD | Ok |
| 13 | Q2118-02 | BP-VPB-182-GW-420-4 | VX046342.D | 23 May 2025 14:06 | vial A pH<2 | JC/MD | Ok |
| 14 | Q2118-03 | BP-VPB-182-GW-450-4 | VX046343.D | 23 May 2025 14:29 | vial A pH<2 | JC/MD | Ok |
| 15 | Q2118-04 | BP-VPB-182-DUP-2025 | VX046344.D | 23 May 2025 14:53 | vial A pH<2 | JC/MD | Ok |
| 16 | Q2118-06 | BP-VPB-182-GW-480-4 | VX046345.D | 23 May 2025 15:16 | vial A pH<2 | JC/MD | Ok |
| 17 | Q2118-08 | BP-VPB-182-GW-520-5 | VX046346.D | 23 May 2025 15:39 | vial A pH<2 | JC/MD | Ok |
| 18 | Q2118-09 | BP-VPB-182-GW-540-5 | VX046347.D | 23 May 2025 16:03 | vial A pH<2 | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX052325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 5/23/2025 4:14:57 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 5/26/2025 5:42:25 AM | | |
| SubDirectory | VX052325 | HP Acquire Method | | HP Processing Method | 82X050525W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134008 |
| Initial Calibration Stds | |
| CCC | VP134009,VP134010 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2118-10 | BP-VPB-182-GW-560-5 | VX046348.D | 23 May 2025 16:26 | vial A pH<2 | JC/MD | Ok |
| 20 | Q2114-02 | FB | VX046349.D | 23 May 2025 16:49 | vial A pH<2 FB | JC/MD | Ok |
| 21 | Q2106-01 | TW-WTS-09 | VX046350.D | 23 May 2025 17:12 | vial A pH<2 | JC/MD | Ok |
| 22 | Q2114-01 | GAW1 | VX046351.D | 23 May 2025 17:36 | vial A pH<2 | JC/MD | Ok |
| 23 | Q2123-01 | STORAGE-BLANK-SO | VX046352.D | 23 May 2025 17:59 | vial A pH<2 | JC/MD | Ok |
| 24 | Q2123-02 | STORAGE-BLANK-WA | VX046353.D | 23 May 2025 18:22 | vial A pH<2 | JC/MD | Ok |
| 25 | Q2123-03 | STORAGE-BLANK-WA | VX046354.D | 23 May 2025 18:45 | vial A pH<2 | JC/MD | Ok |
| 26 | Q2123-04 | STORAGE-BLANK-SA | VX046355.D | 23 May 2025 19:09 | vial A pH<2 | JC/MD | Ok |
| 27 | Q2120-02 | BP-VPB-182-EB-20250 | VX046356.D | 23 May 2025 19:32 | vial B pH<2 EB | JC/MD | Ok |
| 28 | VSTDCCC050 | VSTDCCC050EC | VX046357.D | 23 May 2025 19:55 | | JC/MD | Ok,M |

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# Prep Standard - Chemical Standard Summary

**Order ID :** Q2120

**Test :** VOCMS Group1

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** vx052325,

**Standard ID :**
VP132035,VP132096,VP133174,VP133887,VP133935,VP133953,VP133991,VP134008,VP134009,VP134010,

**Chemical ID :**
V13391,V13457,V13460,V13465,V13466,V13706,V14290,V14432,V14435,V14503,V14504,V14525,V14526,V14613,V14614,V14620,V14626,V14630,V14631,V14632,V14633,V14711,V14717,V14718,V14721,V14749,V14750,V14811,V14812,V14843,V14921,V14944,V14945,V14946,V14947,W3112,

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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 | VP132035 | 12/10/2024 | 06/10/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 12/12/2024 |

**FROM** 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 719 | 8260 Working STD (BCM)-First source, 400PPM | VP132096 | 12/12/2024 | 06/10/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 12/19/2024 |

**FROM** 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = 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 | VP133174 | 02/27/2025 | 08/27/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 03/04/2025 |

**FROM** 0.40000ml of V13706 + 24.60000ml of V14613 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 257 | 8260 Calibration Working STD Mix-First source, 160PPM | VP133887 | 05/12/2025 | 06/23/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 05/14/2025 |

**FROM** 0.40000ml of V14843 + 1.00000ml of V14432 + 1.00000ml of V14435 + 1.00000ml of V14503 + 1.00000ml of V14504 + 1.00000ml of V14525 + 1.00000ml of V14526 + 1.00000ml of V14711 + 1.00000ml of V14717 + 1.00000ml of V14718 + 1.00000ml of V14721 + 1.00000ml of V14749 + 1.00000ml of V14750 + 1.00000ml of V14811 + 1.00000ml of V14812 + 10.60000ml of V14921 = 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 | VP133935 | 05/16/2025 | 11/12/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 05/21/2025 |

**FROM** 0.25000ml of V14290 + 24.75000ml of V14921 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 218 | BFB, 25PPM | VP133953 | 05/19/2025 | 11/09/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 05/21/2025 |

**FROM** 0.25000ml of V13391 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 51 | 8260 Working STD (Acrolein) -first source, 800PPM | VP133991 | 05/22/2025 | 06/19/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 05/24/2025 |

**FROM** 1.00000ml of V14944 + 1.00000ml of V14945 + 1.00000ml of V14946 + 1.00000ml of V14947 + 21.00000ml of V14620 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP134008 | 05/23/2025 | 05/24/2025 | John Carlone | None | None | Mahesh Dadoda 05/24/2025 |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP133953 = Final Quantity: 40.000 ml

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Fax : 908 789 8922

# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP134009 | 05/23/2025 | 05/24/2025 | John Carlone | None | None | Mahesh Dadoda 05/24/2025 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP133935 + 0.01250ml of VP132035 + 0.01250ml of VP133887 + 0.01250ml of VP133991 = 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 | VP134010 | 05/23/2025 | 05/24/2025 | John Carlone | None | None | Mahesh Dadoda 05/24/2025 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP133935 + 0.01250ml of VP132035 + 0.01250ml of VP133887 + 0.01250ml of VP133991 = Final Quantity: 40.000 ml

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Fax : 908 789 8922

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| 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 | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0193071 | 06/12/2025 | 12/12/2024 / SAM | 01/27/2023 / SAM | V13457 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0193071 | 06/12/2025 | 12/12/2024 / SAM | 01/27/2023 / SAM | V13460 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0193071 | 06/12/2025 | 12/12/2024 / SAM | 01/27/2023 / SAM | V13465 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0193071 | 06/12/2025 | 12/12/2024 / SAM | 01/27/2023 / SAM | V13466 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2] | A0196865 | 02/27/2026 | 02/27/2025 / SAM | 04/12/2023 / SAM | V13706 |

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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 | 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 # |
|---|---|---|---|---|---|---|
| Restek | 30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL | A0209618 | 09/30/2025 | 05/12/2025 / SAM | 08/15/2024 / SAM | V14432 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL | A0209618 | 09/20/2025 | 03/20/2025 / SAM | 08/15/2024 / SAM | V14435 |

| 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 | 11/12/2025 | 05/12/2025 / SAM | 09/17/2024 / SAM | V14503 |

| 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 | 11/12/2025 | 05/12/2025 / SAM | 09/17/2024 / SAM | V14504 |

| 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 | 11/12/2025 | 05/12/2025 / SAM | 09/18/2024 / SAM | V14525 |

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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. | 95319 / Revised Additions Mix (Min = 5) | 091724 | 11/12/2025 | 05/12/2025 / SAM | 09/18/2024 / SAM | V14526 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 08/27/2025 | 02/27/2025 / SAM | 11/26/2024 / SAM | V14613 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 06/10/2025 | 12/10/2024 / SAM | 11/26/2024 / SAM | V14614 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 10/25/2025 | 05/09/2025 / SAM | 11/26/2024 / SAM | V14620 |

| 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 | 06/10/2025 | 12/10/2024 / SAM | 12/06/2024 / SAM | V14630 |

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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 | 06/10/2025 | 12/10/2024 / SAM | 12/06/2024 / SAM | V14631 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 06/10/2025 | 12/10/2024 / SAM | 12/06/2024 / SAM | V14632 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 06/10/2025 | 12/10/2024 / SAM | 12/06/2024 / SAM | V14633 |

| 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 | A02110618 | 11/12/2025 | 05/12/2025 / SAM | 12/17/2024 / SAM | V14711 |

| 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 | A02110618 | 11/12/2025 | 05/12/2025 / SAM | 12/17/2024 / SAM | V14717 |

| 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 | A02110618 | 11/12/2025 | 05/12/2025 / SAM | 12/17/2024 / SAM | V14718 |

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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 | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A02110618 | 11/12/2025 | 05/12/2025 / SAM | 12/17/2024 / SAM | V14721 |

| 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 | 11/13/2025 | 05/12/2025 / SAM | 12/17/2024 / SAM | V14749 |

| 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 | 11/12/2025 | 05/12/2025 / SAM | 12/17/2024 / SAM | V14750 |

| 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 | 11/12/2025 | 05/12/2025 / SAM | 01/08/2025 / SAM | V14811 |

| 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 | 06/30/2026 | 05/12/2025 / SAM | 01/08/2025 / SAM | V14812 |

| 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 | 11/12/2025 | 05/12/2025 / SAM | 01/21/2025 / SAM | V14843 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 24G0262002 | 11/12/2025 | 05/12/2025 / SAM | 05/09/2025 / SAM | V14921 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 051925 | 06/19/2025 | 05/22/2025 / SAM | 05/21/2025 / SAM | V14944 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 051925 | 06/19/2025 | 05/22/2025 / SAM | 05/21/2025 / SAM | V14945 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 051925 | 06/19/2025 | 05/22/2025 / SAM | 05/21/2025 / SAM | V14946 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 051925 | 06/19/2025 | 05/22/2025 / SAM | 05/21/2025 / SAM | V14947 |

| 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

12 Bottles

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($CH_3OH$) (by GC, corrected for water) | ≥ 99.9 % | 100.0 % |
| Residue after Evaporation | ≤ 1.0 ppm | 0.2 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.2 |
| Titrable Base (µeq/g) | ≤ 0.10 | 0.03 |
| Water (by KF, coulometric) | ≤ 0.08 % | < 0.01 % |
| Volatile Organic Trace Analysis – Below EPA 8260B CRQL | Conforms | Conforms |

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($CH_3OH$) (by GC, corrected for water) | ≥ 99.9 % | 100.0 % |
| Residue after Evaporation | ≤ 1.0 ppm | 0.2 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.2 |
| Titrable Base (µeq/g) | ≤ 0.10 | 0.03 |
| Water (by KF, coulometric) | ≤ 0.08 % | < 0.01 % |
| Volatile Organic Trace Analysis – Below EPA 8260B CRQL | Conforms | Conforms |

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($CH_3OH$) (by GC, corrected for water) | ≥ 99.9 % | 100.0 % |
| Residue after Evaporation | ≤ 1.0 ppm | 0.2 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.2 |
| Titrable Base (µeq/g) | ≤ 0.10 | 0.03 |
| Water (by KF, coulometric) | ≤ 0.08 % | < 0.01 % |
| Volatile Organic Trace Analysis – Below EPA 8260B CRQL | Conforms | Conforms |

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

**Certified Reference Material CRM**

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

| | | |
|---|---|---|
| Formulated By: | Prashant Chauhan | 021624 DATE |
| Reviewed By: | Pedro L. Rentas | 021624 DATE |

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

| Compound | (RM#) Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Initial Conc.(ug/mL) | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Uncertainty Pipette (mL) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acetonitrile | (0324) | 021644 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20020 | 2001.3 | 8.1 | 75-05-8 | 40 ppm (70mg/m3/8H) | orl-rat 2460mg/kg |
| 2. Allyl chloride (3-Chloropropene) | (0325) | 102396 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 107-05-1 | 1 ppm (3mg/m3/8H) | orl-rat 700mg/kg |
| 3. Carbon disulphide | (0060) | 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 846mg/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 |

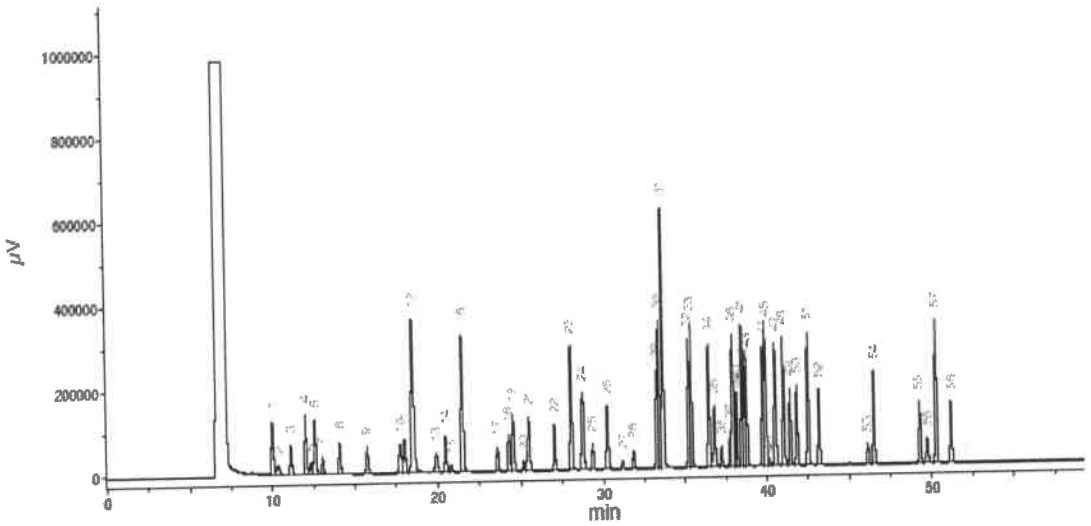
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, 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 | 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 | 41.63 |
| 51 | n-Butylbenzene | 42.52 |
| 52 | 1,2-Dichlorobenzene | 42.18 |
| 53 | 1,2-Dibromo-3-chloropropane | 46.12 |
| 54 | Nitrobenzene | 46.58 |
| 55 | 1,2,4-Trichlorobenzene | 49.26 |
| 56 | Hexachlorobutadiene | 49.72 |
| 57 | Naphthalene | 50.46 |
| 58 | 1,2,3-Trichlorobenzene | 51.16 |

**Absolute Standards Inc.**

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. 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)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

**Certified Reference Material CRM**

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

| | | |
|---|---|---|
| Formulated By: | Prashant Chauhan | 021624 DATE |
| Reviewed By: | Pedro L. Rentas | 021624 DATE |

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

| Compound | (RM#) Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Initial Conc.(ug/mL) | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Uncertainty Pipette (mL) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acetonitrile | (0324) | 021644 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20020 | 2001.3 | 8.1 | 75-05-8 | 40 ppm (70mg/m3/8H) | orl-rat 2460mg/kg |
| 2. Allyl chloride (3-Chloropropene) | (0325) | 102396 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 107-05-1 | 1 ppm (3mg/m3/8H) | orl-rat 700mg/kg |
| 3. Carbon disulphide | (0060) | 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 846mg/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 |

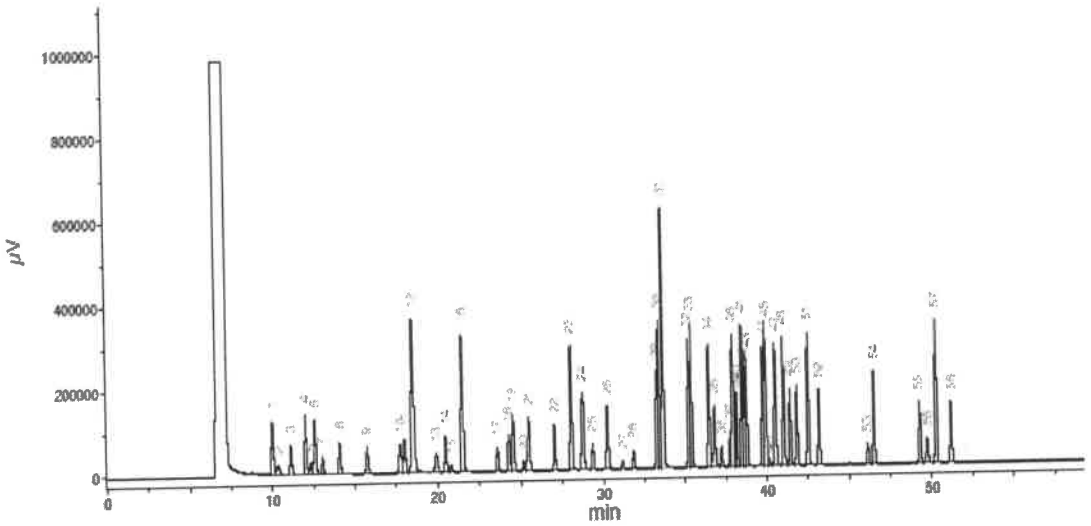
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, 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 | 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 | 41.63 |
| 51 | n-Butylbenzene | 42.52 |
| 52 | 1,2-Dichlorobenzene | 42.18 |
| 53 | 1,2-Dibromo-3-chloropropane | 46.12 |
| 54 | Nitrobenzene | 46.58 |
| 55 | 1,2,4-Trichlorobenzene | 49.26 |
| 56 | Hexachlorobutadiene | 49.72 |
| 57 | Naphthalene | 50.46 |
| 58 | 1,2,3-Trichlorobenzene | 51.16 |

**Absolute Standards Inc.**

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. 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)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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***Certified Reference Material CRM***

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

**Solvent(s):** **Lot#**
Water 072324Q

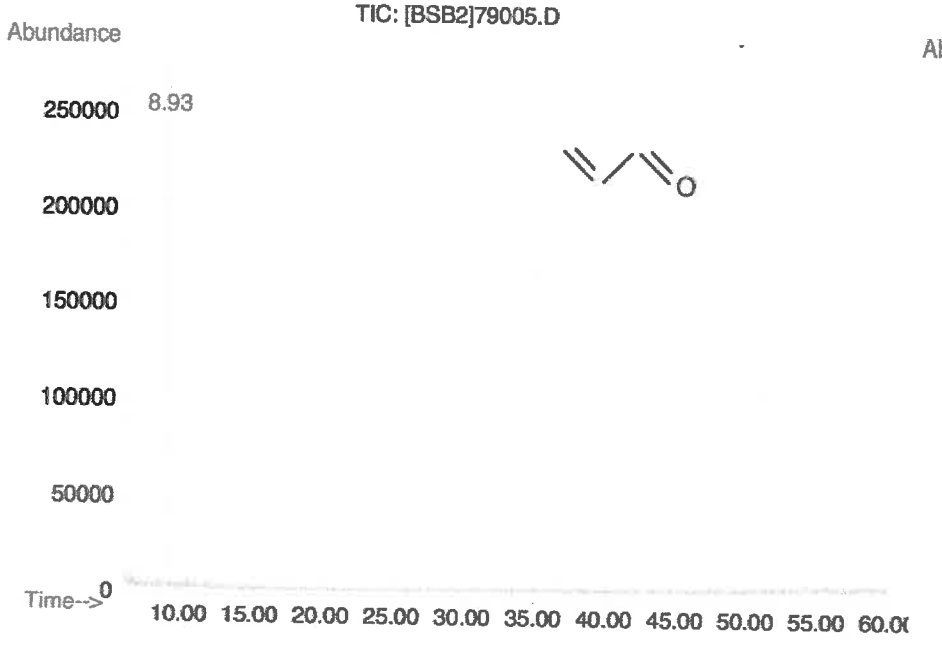
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

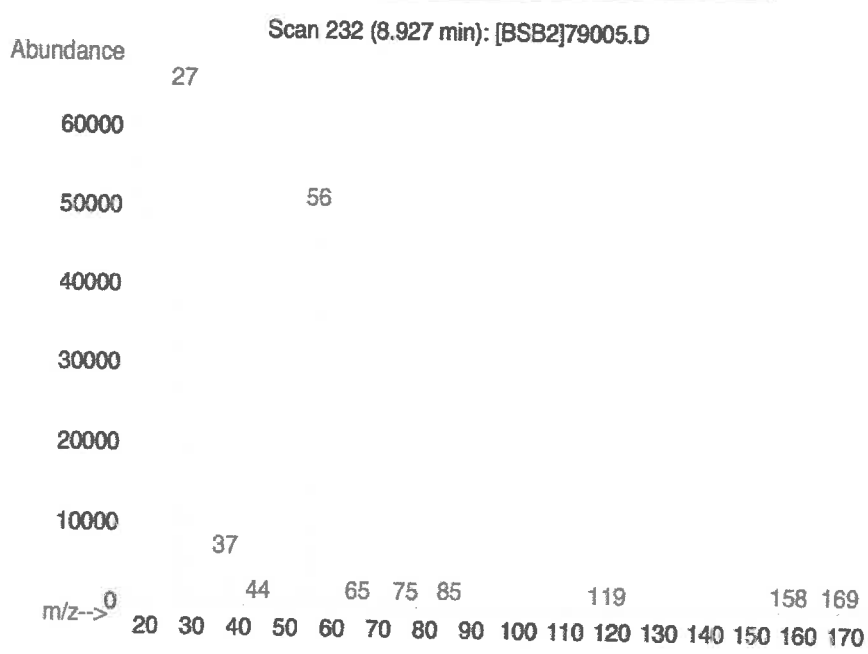
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrolein | 5 | 103755V10F | 5000 | 97 | 0.5 | 0.05166 | 0.05175 | 5008.9 | 52.5 | 107-02-8 | 0.1 ppm | orl-rat 46mg/kg |

**Method:** GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C ( Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.




- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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***Certified Reference Material CRM***

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

**Solvent(s):** **Lot#**
Water 072324Q

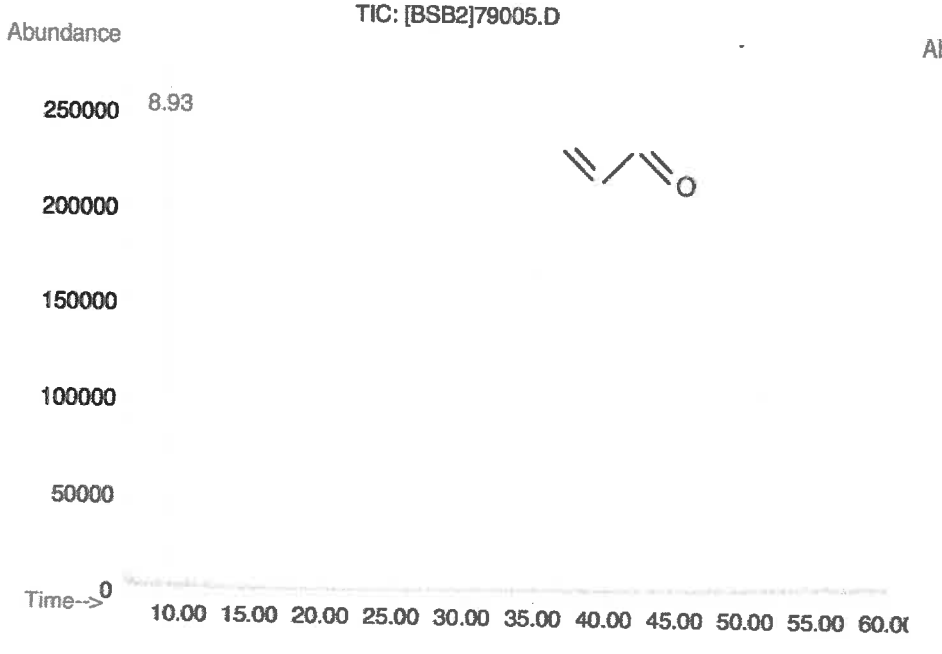
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

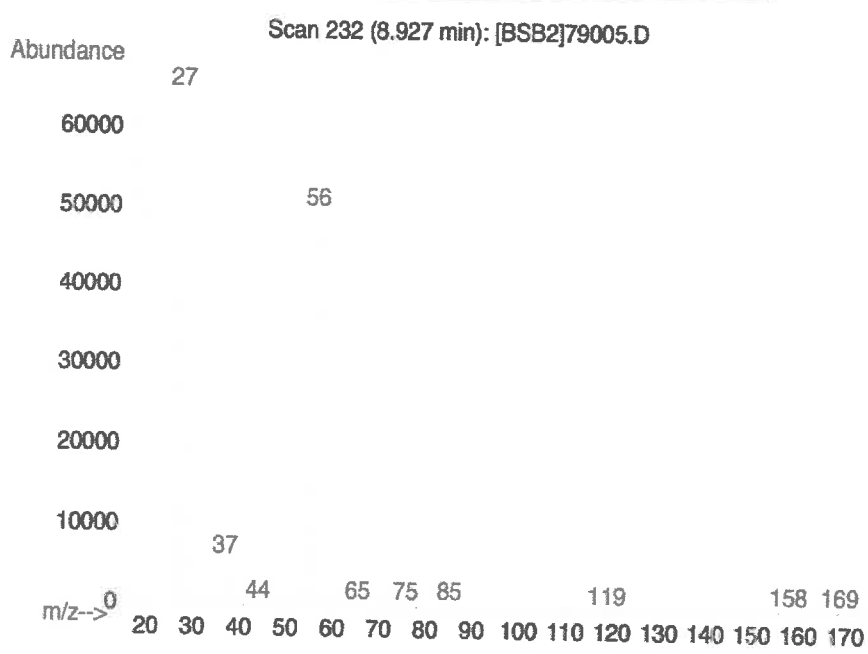
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrolein | 5 | 103755V10F | 5000 | 97 | 0.5 | 0.05166 | 0.05175 | 5008.9 | 52.5 | 107-02-8 | 0.1 ppm | orl-rat 46mg/kg |

**Method:** GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C ( Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.




- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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***Certified Reference Material CRM***

Rec 12/6/24
20 vial

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https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 95318
**Lot Number:** 120524
**Description:** 2-Chloroethyl vinyl ether

**Expiration Date:** 120527
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test ID#:** 6UTB

**Solvent(s):** Methanol **Lot#** EJ143-US

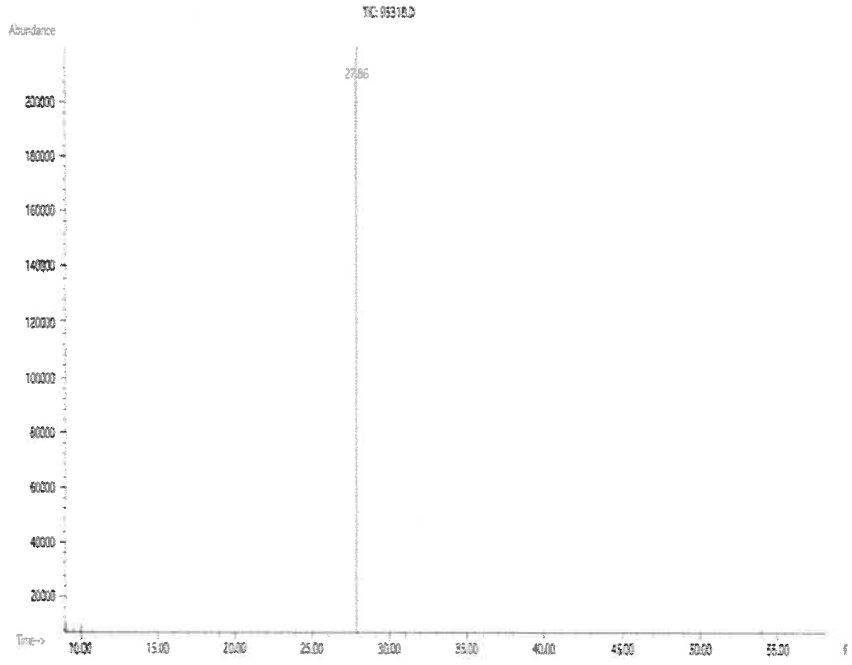
V14630 to V14649

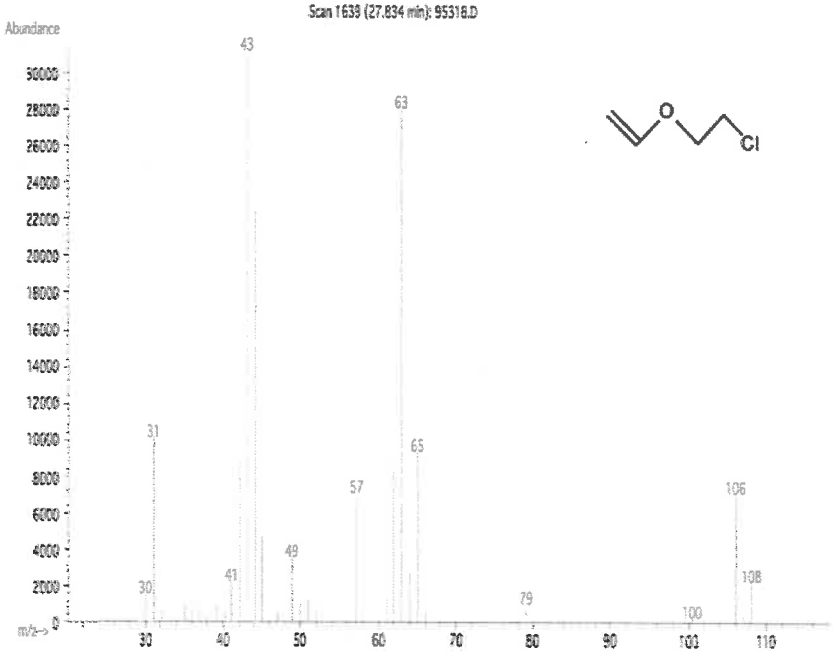
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| Formulated By: | Prashant Chauhan | 120524 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 120524 DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.50536 | 0.50550 | 10002.9 | 40.5 | 110-75-8 | N/A | ori-rat 250mg/kg |

**Method:** GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.







- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN 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

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AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 95318
**Lot Number:** 120524
**Description:** 2-Chloroethyl vinyl ether

**Expiration Date:** 120527
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test ID#:** 6UTB

**Solvent(s):** Methanol **Lot#** EJ143-US

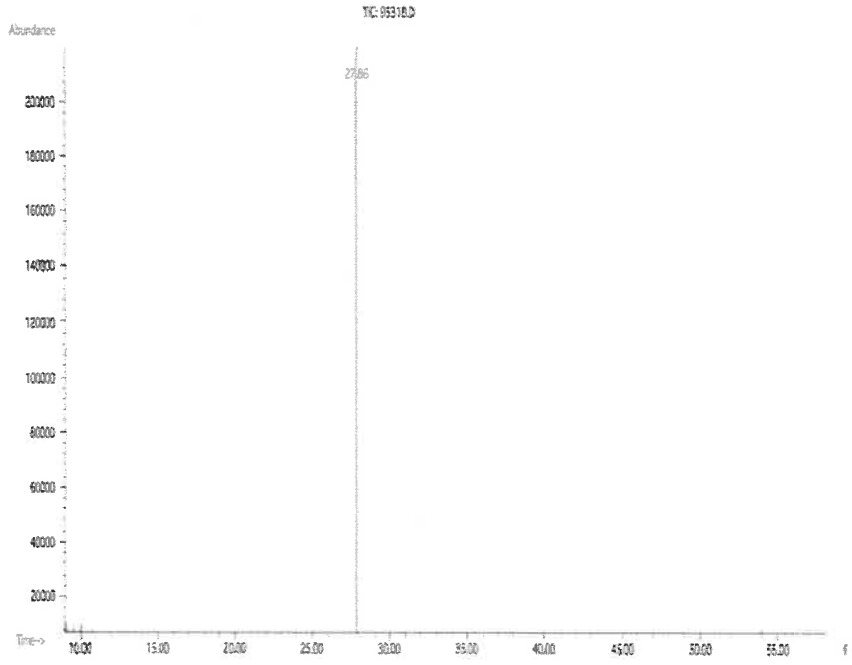
V14630 to V14649

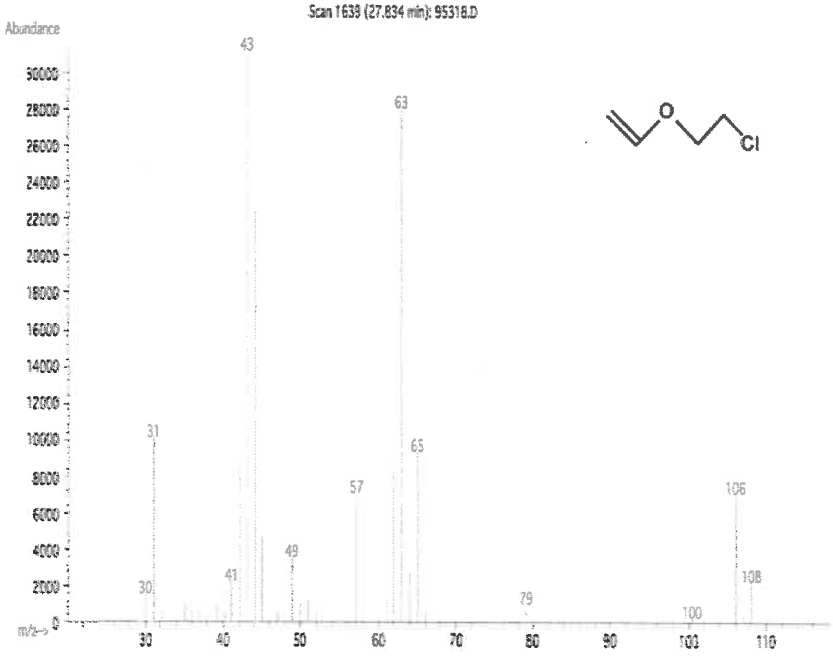
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| Formulated By: | Prashant Chauhan | 120524 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 120524 DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.50536 | 0.50550 | 10002.9 | 40.5 | 110-75-8 | N/A | ori-rat 250mg/kg |

**Method:** GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.







- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr.<br>Hamden CT, 06514 | Emergency Telephone International<br>Date Prepared/Revised | **1-352-323-3500**<br>January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |



**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.<br>Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

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***Certified Reference Material CRM***

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
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

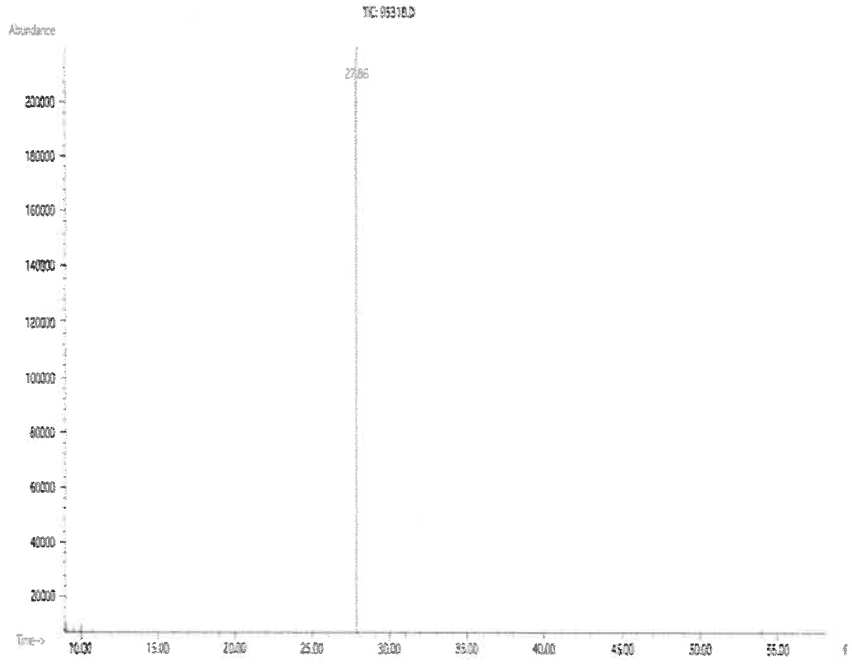
V14630 to V14649

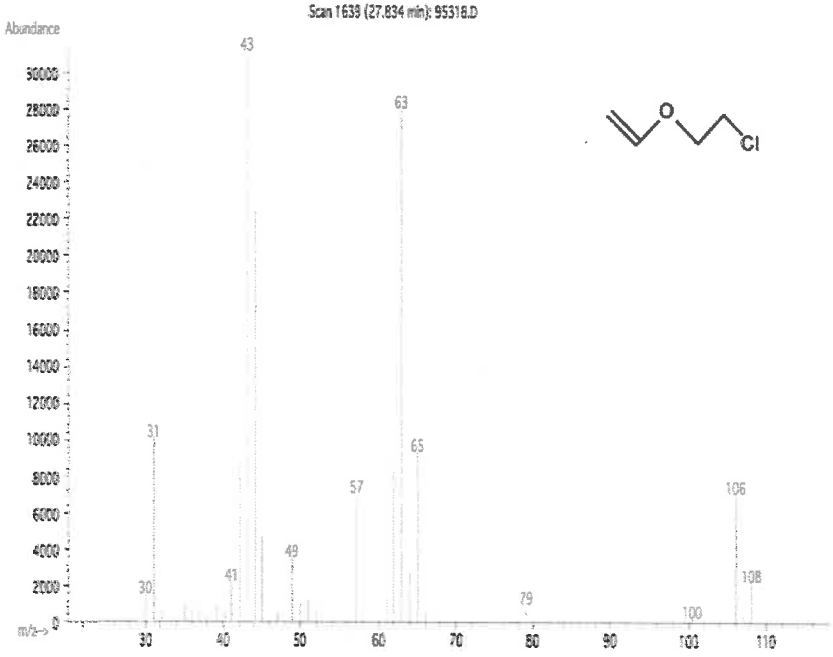
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| Formulated By: | Prashant Chauhan | 120524 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 120524 DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.50536 | 0.50550 | 10002.9 | 40.5 | 110-75-8 | N/A | ori-rat 250mg/kg |

**Method:** GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.







- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr.<br>Hamden CT, 06514 | Emergency Telephone International<br>Date Prepared/Revised | **1-352-323-3500**<br>January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |



**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.<br>Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| 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.
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LD50 Oral - rat - 5,628 mg/kg
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| | |
|---|---|
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## 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

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**Lot Number:** 120524
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**Nominal Concentration (µg/mL):** 10000
**NIST Test ID#:** 6UTB

**Solvent(s):** Methanol **Lot#** EJ143-US

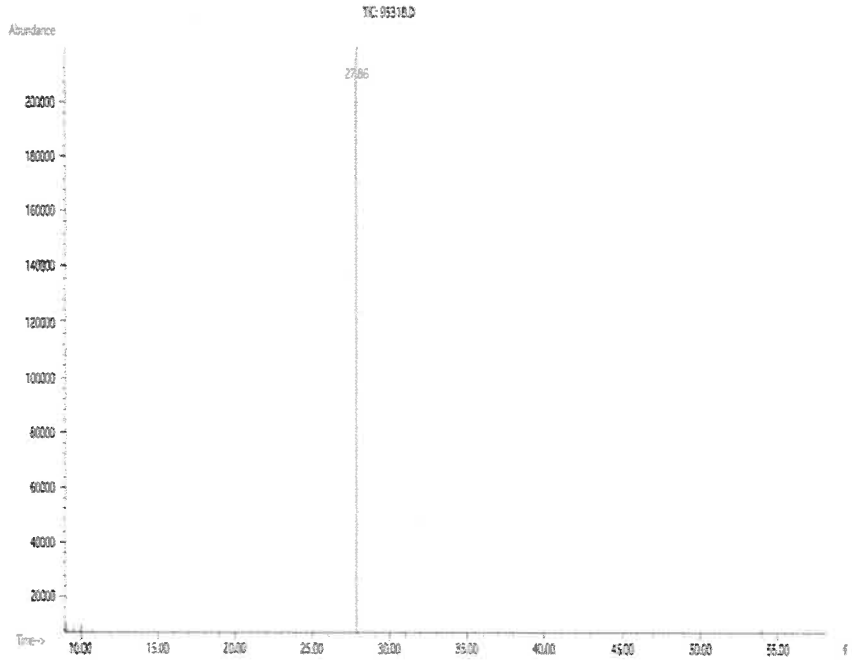
V14630 to V14649

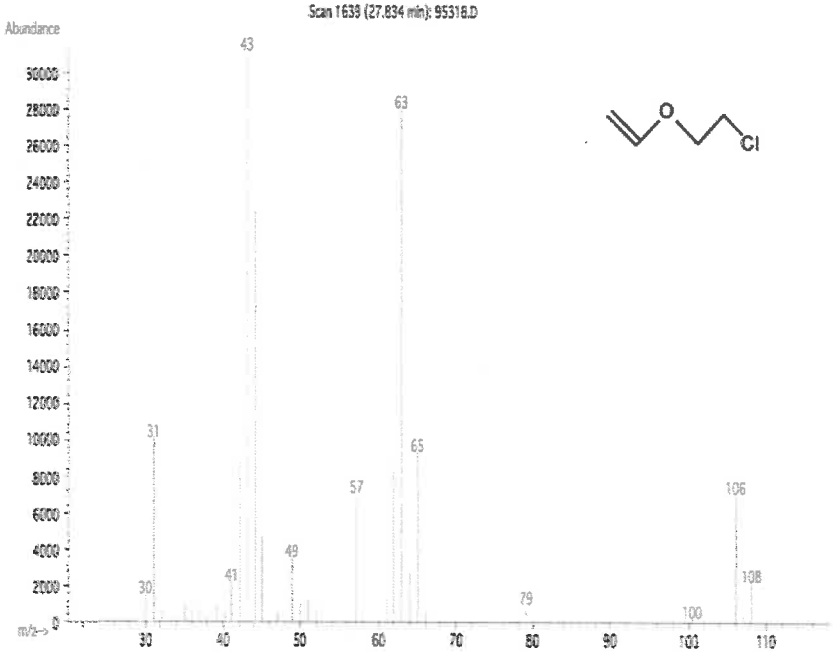
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Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| Formulated By: | Prashant Chauhan | 120524 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 120524 DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
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**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
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| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

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## Section XIII. DISPOSAL CONSIDERATIONS

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## 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

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OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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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.)

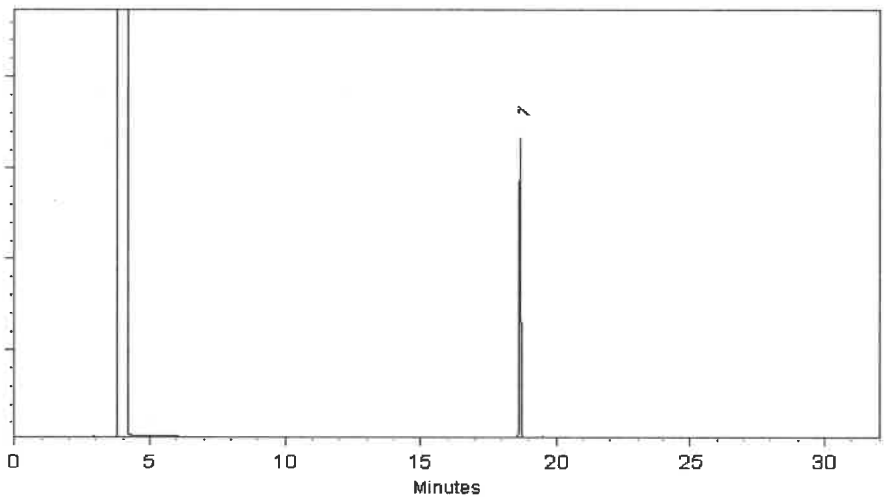
**Inj. Temp:**
200°C

**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.
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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30225 **Lot No.:** A0193071

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Bromochloromethane | 74-97-5 | 00008541 | 99% | 2,018.0 µg/mL | +/- 113.3890 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

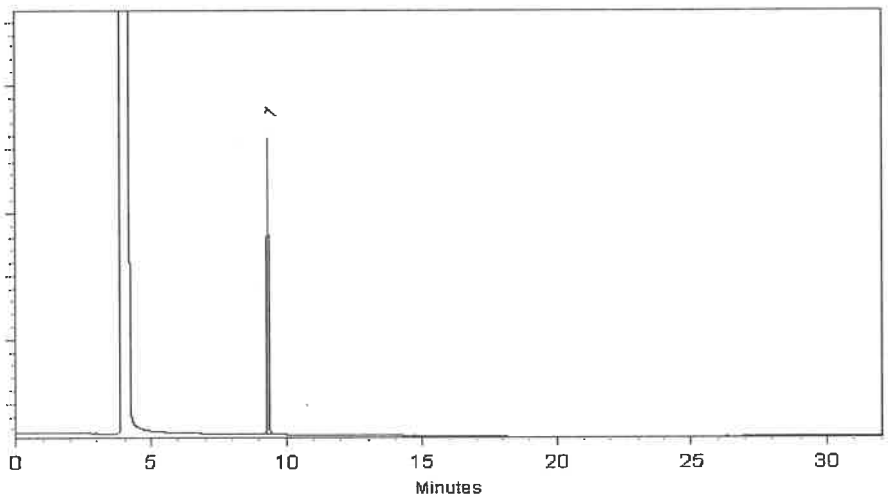
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




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Tom Suckar - Mix Technician

**Date Mixed:** 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 03-Jan-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

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### Manufacturing Notes:

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**Catalog No. :** 30225 **Lot No.:** A0193071

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Bromochloromethane | 74-97-5 | 00008541 | 99% | 2,018.0 µg/mL | +/- 113.3890 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

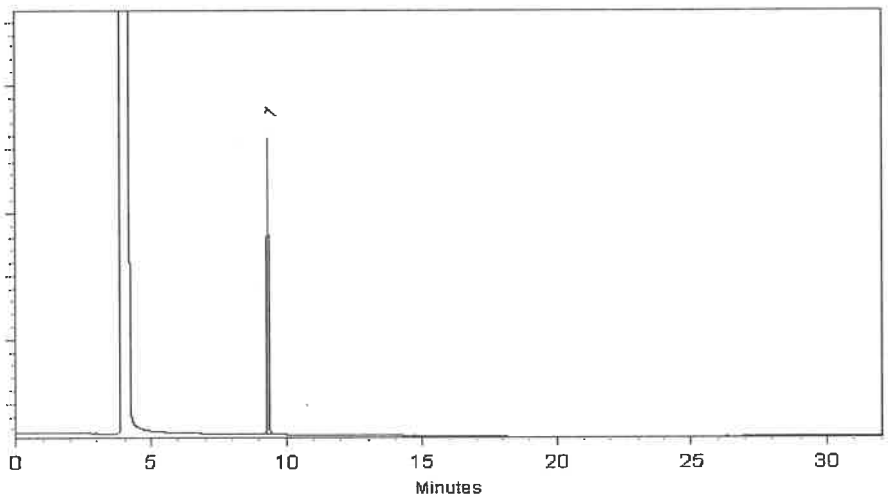
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




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:** 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 03-Jan-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

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**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Bromochloromethane | 74-97-5 | 00008541 | 99% | 2,018.0 µg/mL | +/- 113.3890 |

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**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

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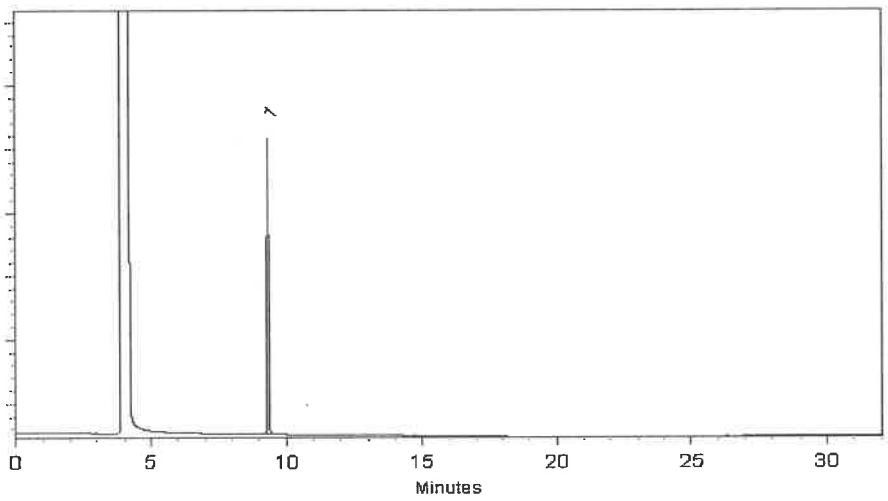
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




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Tom Suckar - Mix Technician

**Date Mixed:** 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 03-Jan-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

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**Catalog No. :** 30225 **Lot No.:** A0193071

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**Purity** 99%

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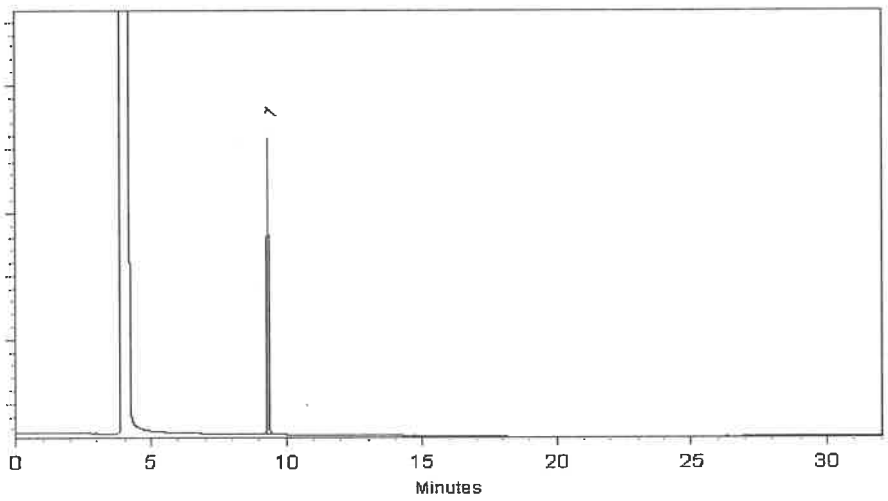
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




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Tom Suckar - Mix Technician

**Date Mixed:** 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 03-Jan-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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**Catalog No. :** 555582 **Lot No.:** A0196865

**Description :** Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2-Dichloroethane-d4 | 17060-07-0 | PR-32845 | 99% | 25,036.0 µg/mL | +/- 1,417.9179 |
| 2 | 1-Bromo-4-fluorobenzene (BFB) | 460-00-4 | 184975 | 99% | 25,132.0 µg/mL | +/- 1,423.3549 |
| 3 | Dibromofluoromethane | 1868-53-7 | 022013 | 99% | 25,040.0 µg/mL | +/- 1,418.1445 |
| 4 | Toluene-d8 | 2037-26-5 | PR-33397 | 99% | 25,028.0 µg/mL | +/- 1,417.4648 |

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

Russ Bookhamer - Operations Technician I

**Date Mixed:** 11-Apr-2023 **Balance:** 1127510105

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

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**Catalog No. :** 30489 **Lot No.:** A0209618

**Description :** 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Methyl acetate | 79-20-9 | SHBP3100 | 99% | 2,019.3 µg/mL | +/- 69.7974 |
| 2 | Vinyl acetate | 108-05-4 | RP231030CTH | 98% | 2,016.8 µg/mL | +/- 69.7112 |
| 3 | Ethyl acetate | 141-78-6 | SHBQ9682 | 99% | 2,010.7 µg/mL | +/- 69.4979 |
| 4 | Isopropyl acetate | 108-21-4 | BCCG7069 | 99% | 2,016.0 µg/mL | +/- 69.6822 |
| 5 | Propyl acetate | 109-60-4 | P8XLN | 99% | 2,008.0 µg/mL | +/- 69.4057 |
| 6 | Butyl acetate | 123-86-4 | SHBP6314 | 99% | 2,007.3 µg/mL | +/- 69.3826 |
| 7 | Amyl acetate | 628-63-7 | 41325/1 | 97% | 2,004.7 µg/mL | +/- 69.2905 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

## Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

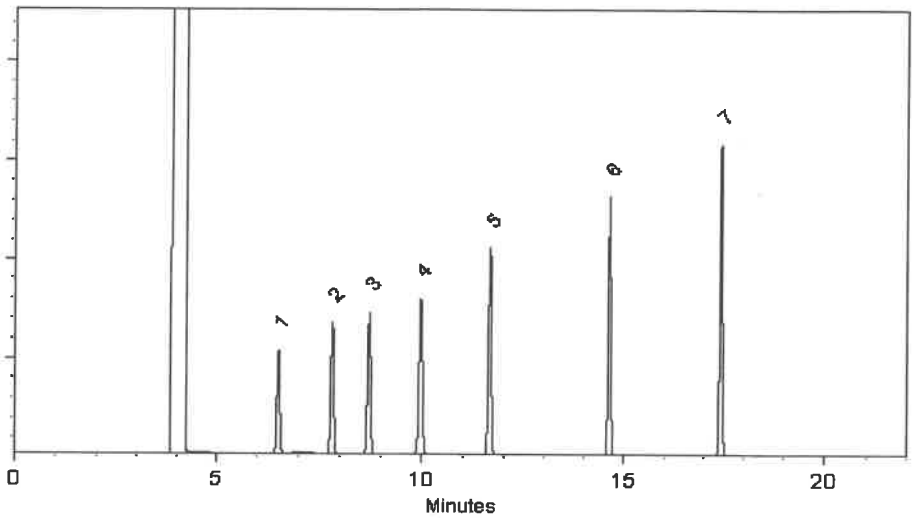
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

**Date Passed:** 01-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30489 **Lot No.:** A0209618

**Description :** 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Methyl acetate | 79-20-9 | SHBP3100 | 99% | 2,019.3 µg/mL | +/- 69.7974 |
| 2 | Vinyl acetate | 108-05-4 | RP231030CTH | 98% | 2,016.8 µg/mL | +/- 69.7112 |
| 3 | Ethyl acetate | 141-78-6 | SHBQ9682 | 99% | 2,010.7 µg/mL | +/- 69.4979 |
| 4 | Isopropyl acetate | 108-21-4 | BCCG7069 | 99% | 2,016.0 µg/mL | +/- 69.6822 |
| 5 | Propyl acetate | 109-60-4 | P8XLN | 99% | 2,008.0 µg/mL | +/- 69.4057 |
| 6 | Butyl acetate | 123-86-4 | SHBP6314 | 99% | 2,007.3 µg/mL | +/- 69.3826 |
| 7 | Amyl acetate | 628-63-7 | 41325/1 | 97% | 2,004.7 µg/mL | +/- 69.2905 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

## Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

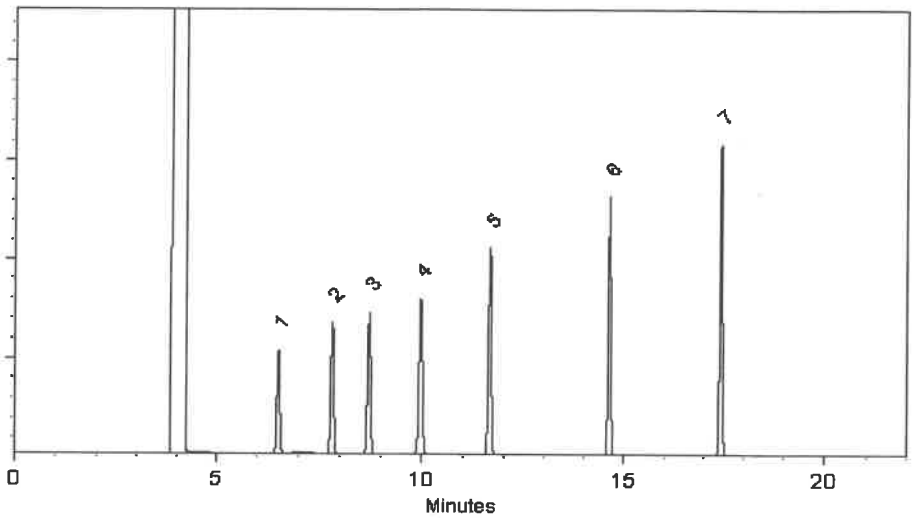
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

**Date Passed:** 01-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 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

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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# Certificate of Analysis

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**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.:** A0210618

**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 :** July 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 | Acetone | 67-64-1 | SHBQ8504 | 99% | 5,014.8 µg/mL | +/- 173.2883 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBQ4704 | 99% | 5,012.4 µg/mL | +/- 173.2054 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP9200 | 99% | 5,011.6 µg/mL | +/- 173.1777 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,013.0 µg/mL | +/- 173.2261 |

* 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.)

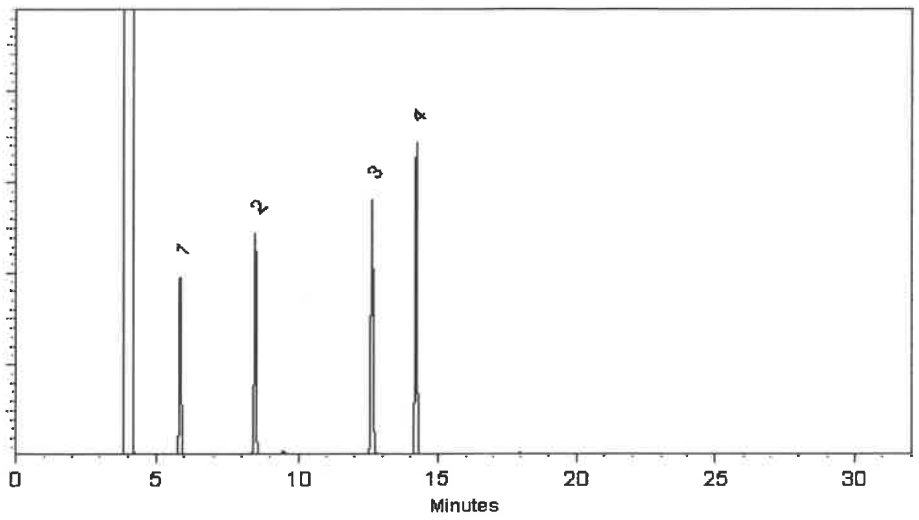
**Inj. Temp:**
200°C

**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.

Dakota Parson - Operations Technician I

**Date Mixed:** 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate #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.:** A0210618

**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 :** July 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 | Acetone | 67-64-1 | SHBQ8504 | 99% | 5,014.8 µg/mL | +/- 173.2883 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBQ4704 | 99% | 5,012.4 µg/mL | +/- 173.2054 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP9200 | 99% | 5,011.6 µg/mL | +/- 173.1777 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,013.0 µg/mL | +/- 173.2261 |

* 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.)

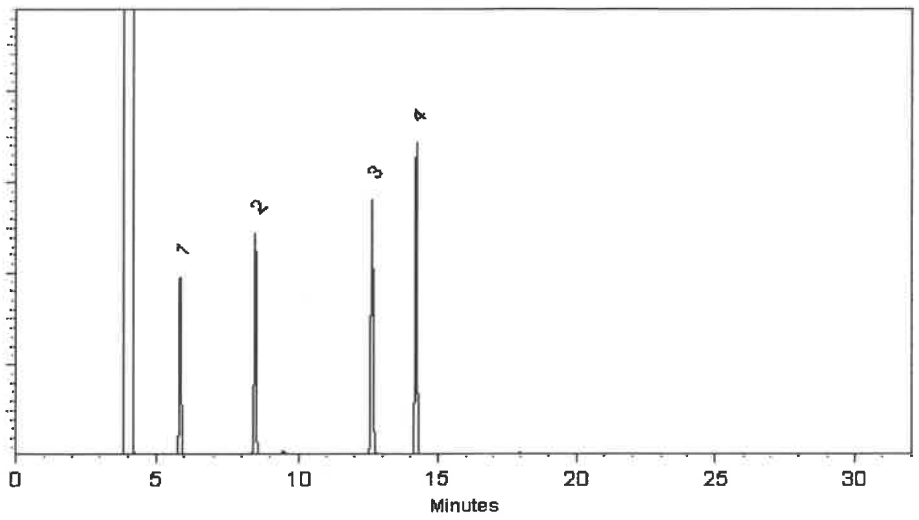
**Inj. Temp:**
200°C

**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.

Dakota Parson - Operations Technician I

**Date Mixed:** 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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# Certificate of Analysis

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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.:** A0210618

**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 :** July 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 | Acetone | 67-64-1 | SHBQ8504 | 99% | 5,014.8 µg/mL | +/- 173.2883 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBQ4704 | 99% | 5,012.4 µg/mL | +/- 173.2054 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP9200 | 99% | 5,011.6 µg/mL | +/- 173.1777 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,013.0 µg/mL | +/- 173.2261 |

* 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.)

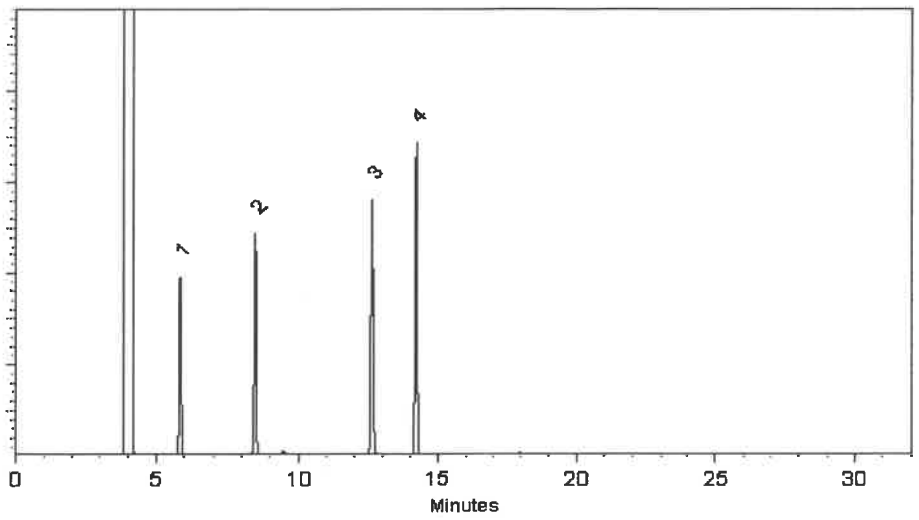
**Inj. Temp:**
200°C

**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.

Dakota Parson - Operations Technician I

**Date Mixed:** 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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 V.4

# Certificate of Analysis

***chromatographic plus***

V14697-to-14726

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.:** A0210618

**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 :** July 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 | Acetone | 67-64-1 | SHBQ8504 | 99% | 5,014.8 µg/mL | +/- 173.2883 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBQ4704 | 99% | 5,012.4 µg/mL | +/- 173.2054 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP9200 | 99% | 5,011.6 µg/mL | +/- 173.1777 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,013.0 µg/mL | +/- 173.2261 |

* 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.)

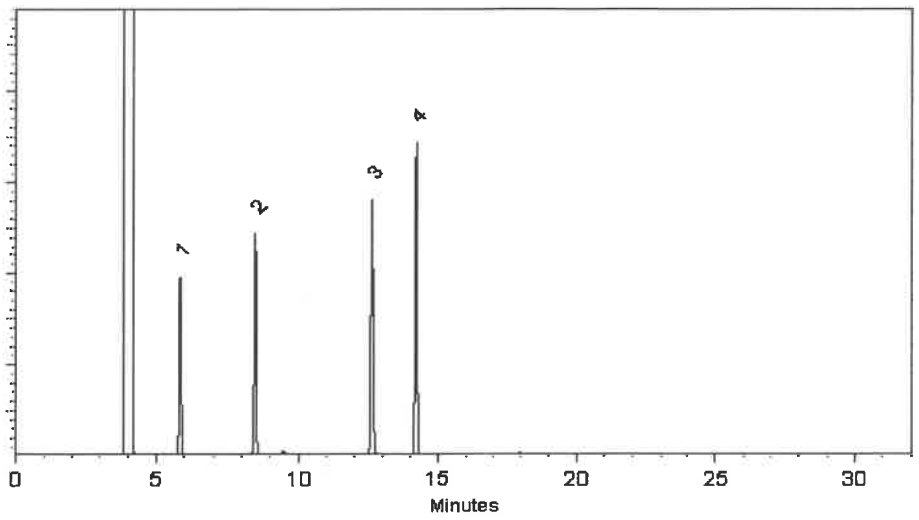
**Inj. Temp:**
200°C

**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.

Dakota Parson - Operations Technician I

**Date Mixed:** 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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.

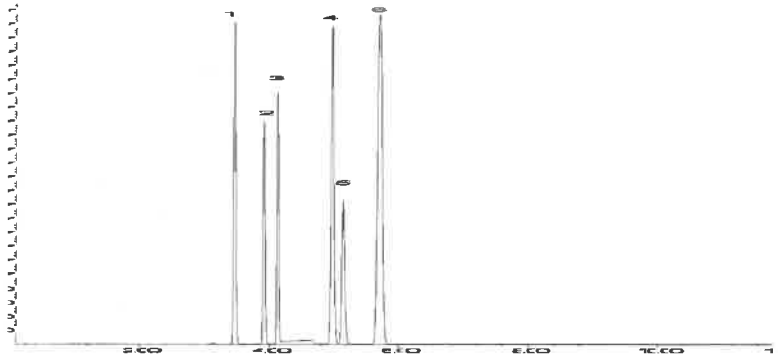
**Inj. Temp:**
200°C

**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.

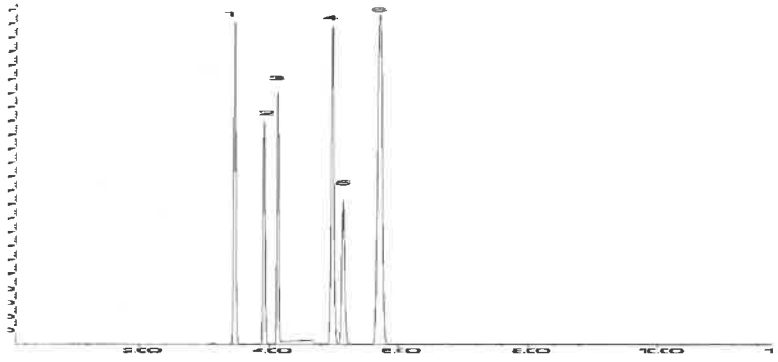
**Inj. Temp:**
200°C

**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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

J14842 to 14846

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 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.)

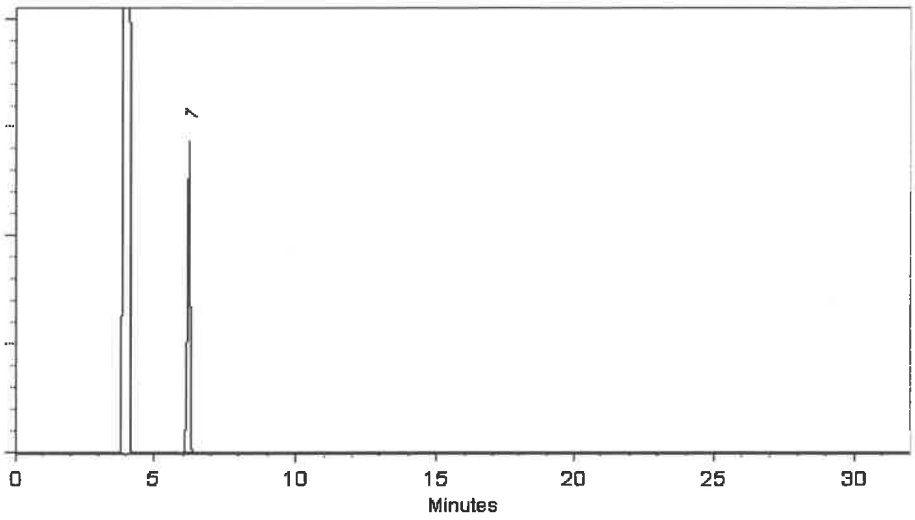
**Inj. Temp:**
200°C

**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.

Zoviny Rec 01/08/21

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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.)

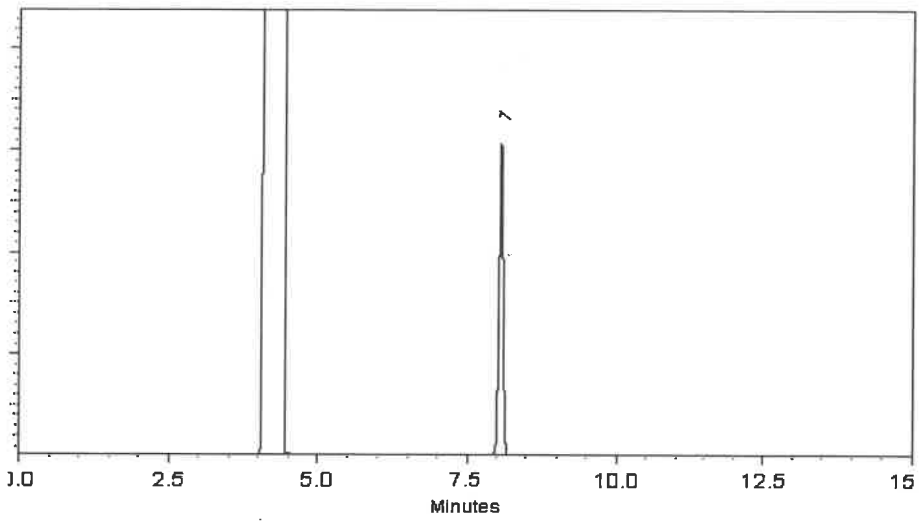
**Inj. Temp:**
200°C

**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.

Zoviny Rec 01/08/21

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*

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.)

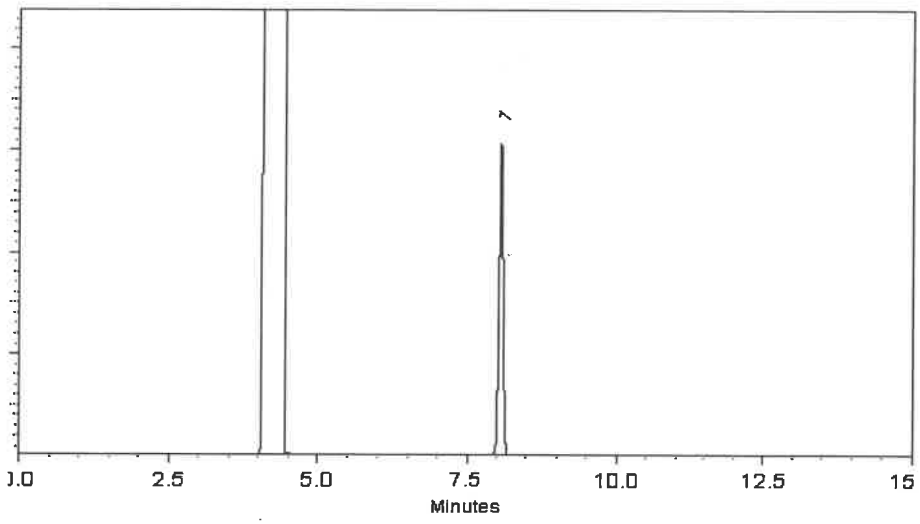
**Inj. Temp:**
200°C

**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.

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

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

Rec 05/21/25

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

5.014

| | |
|---|---|
| **Part Number:** | 91980 |
| Lot Number: | 051925 |
| Description: | Acrolein |
| Expiration Date: | 061925 |
| Recommended Storage: | Refrigerate (4 °C) |
| Nominal Concentration (µg/mL): | 5000 |
| NIST Test ID#: | 6UTB |

**Solvent(s):** Water **Lot#** 041725Q

J14944-V14948

5E-05 Balance Uncertainty

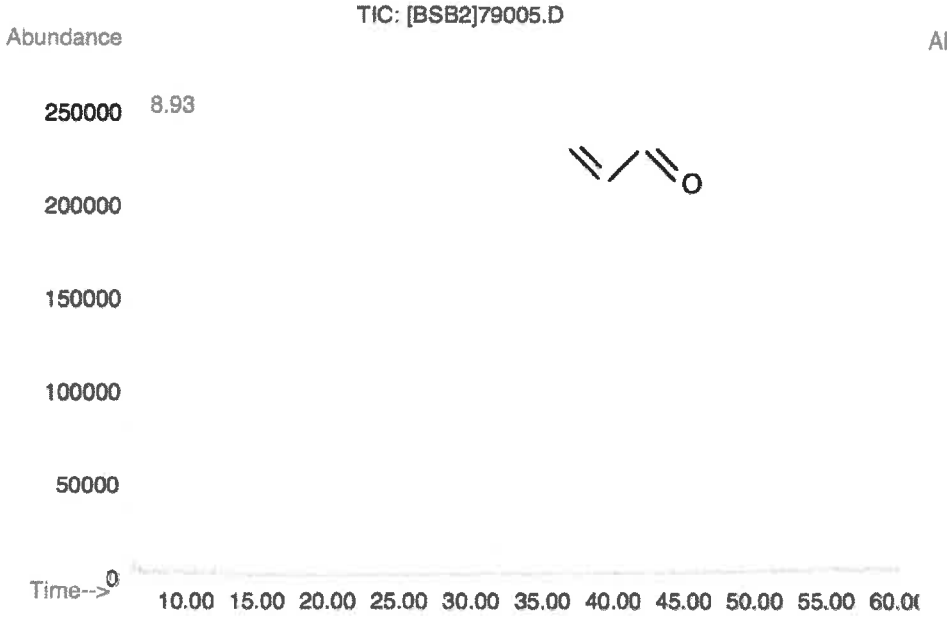
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

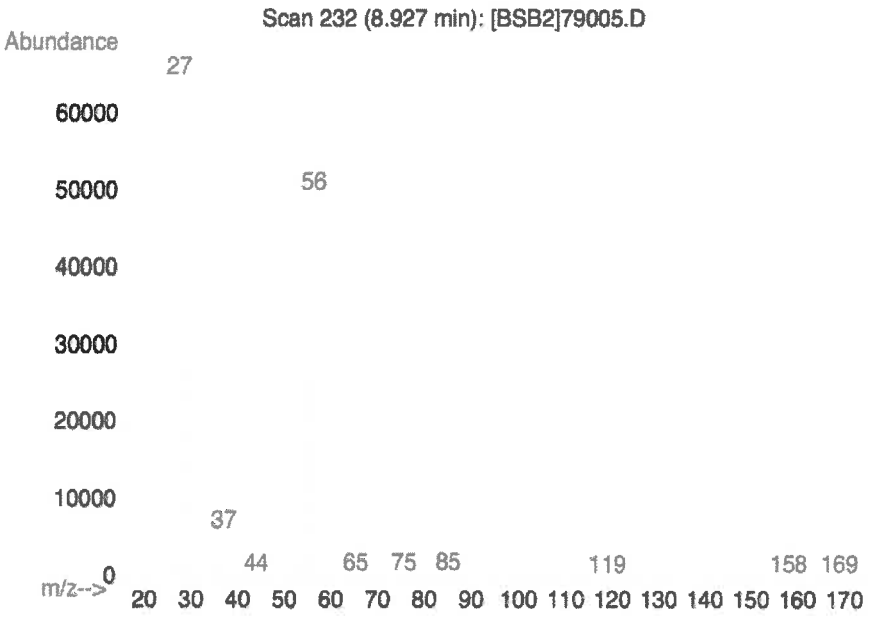
Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

Pedro Rentas 051925
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 | 0.05170 | 5004.1 | 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 by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**
  **Rev 1.0, 2/25/2025**

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

Rec 05/21/25

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

5.014

| | |
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| Expiration Date: | 061925 |
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| NIST Test ID#: | 6UTB |

**Solvent(s):** Water **Lot#** 041725Q

J14944-V14948

5E-05 Balance Uncertainty

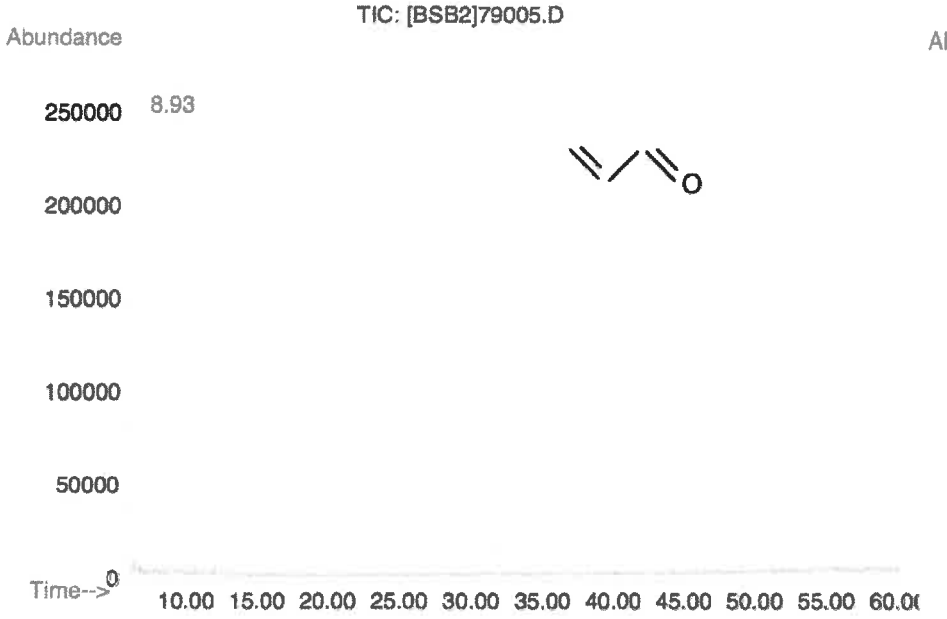
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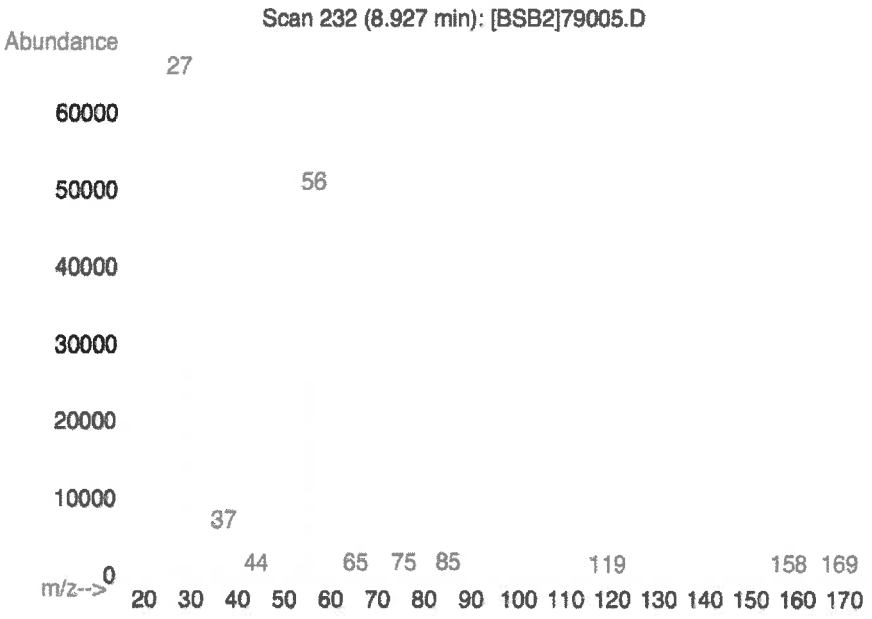
Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

Pedro Rentas 051925
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 | 0.05170 | 5004.1 | 52.5 | 107-02-8 | 0.1 ppm | orl-rat 46mg/kg |

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***Certified Reference Material CRM***

Rec 05/21/25

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CERTIFIED WEIGHT REPORT

5.014

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| Nominal Concentration (µg/mL): | 5000 |
| NIST Test ID#: | 6UTB |

**Solvent(s):** Water **Lot#** 041725Q

J14944-V14948

5E-05 Balance Uncertainty

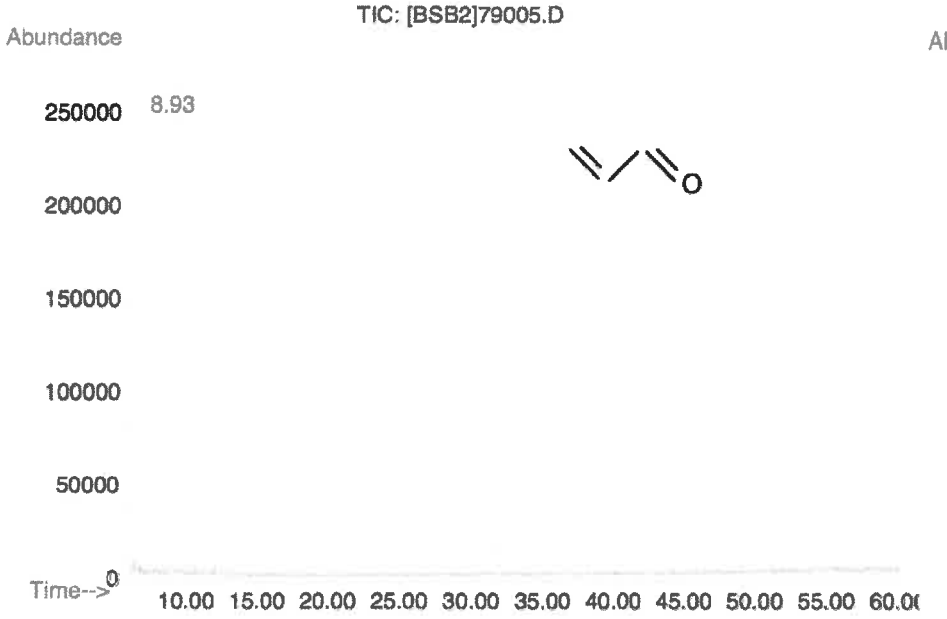
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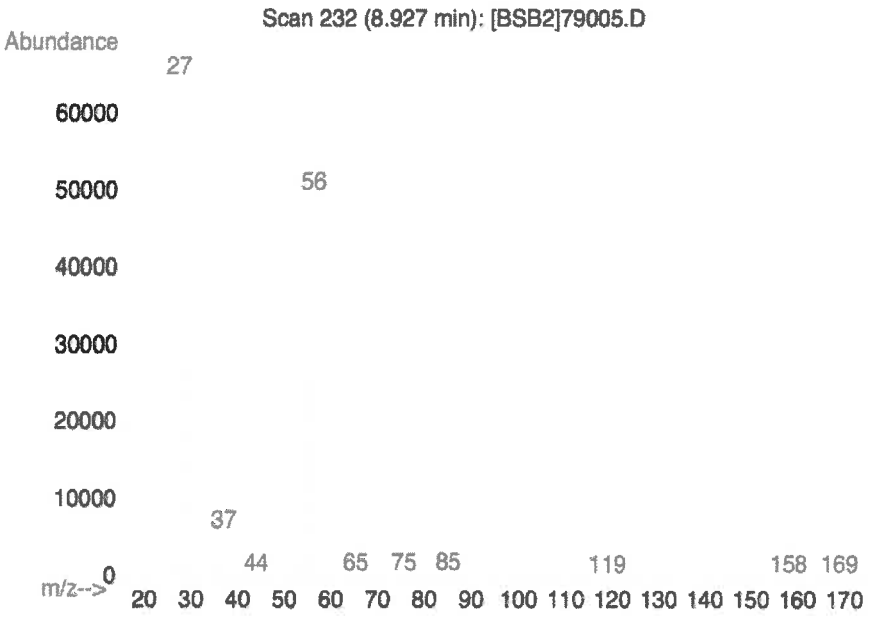
Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

Pedro Rentas 051925
Reviewed By: Pedro L. Rentas DATE

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CERTIFIED WEIGHT REPORT

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J14944-V14948

5E-05 Balance Uncertainty

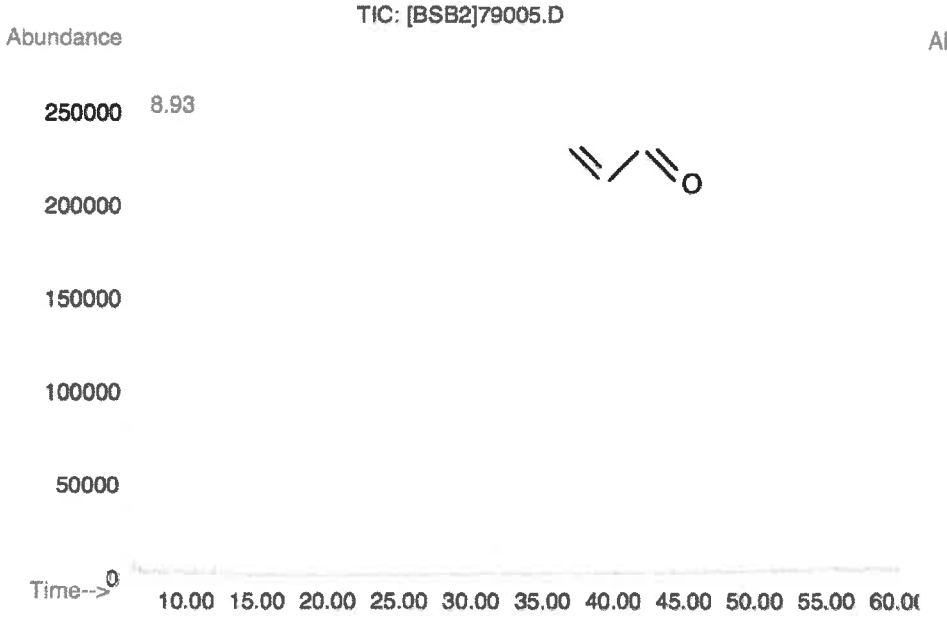
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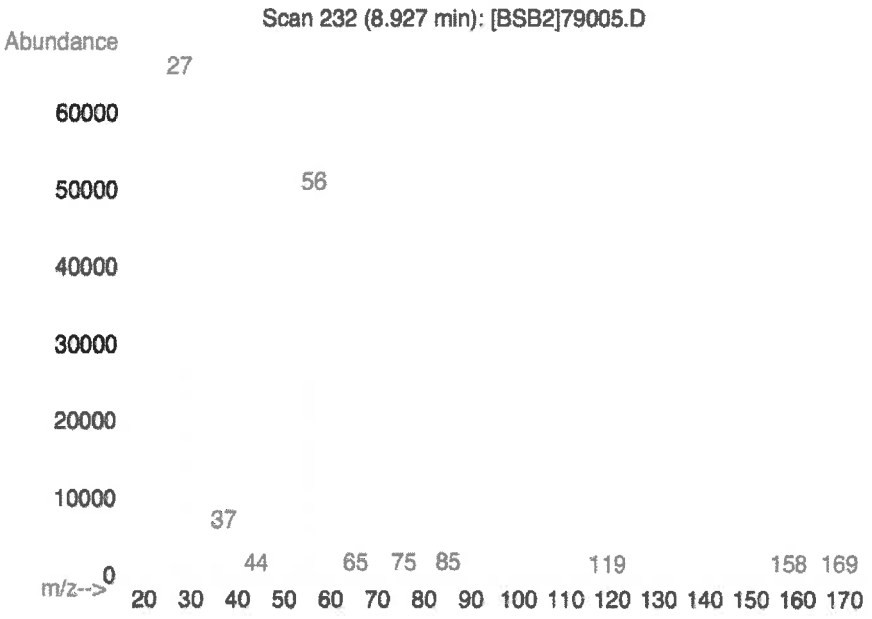
Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

Pedro Rentas 051925
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 |
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  **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:** Q2120

**COC Number:**

### CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Lane Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

### PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: VPB-182
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie.wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

### BILLING INFORMATION

BILL TO: SEE CONTRACT PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

### DATA TURNAROUND INFORMATION

FAX: 2 & 10 DAYS*
HARD COPY: 2 & 10 DAYS*
EDD 2 & 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

### ANALYSIS

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| | VOC(SW846-8260B) | 1,4 Dioxane (8270 SIM) | 1,4 Dioxane (522 PREC) | | | | | | |

### PRESERVATIVES

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| | A | | F | | | | | | |

### COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # of Bottles | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | VPB182-HYD-20250522 | QA | | X | 5/22/25 | 14:30 | 5 | 2 | 1 | 2 | | | | | | | Hydrant Sample |
| 2. | BP-VPB-182-EB-20250522 | QA | | X | 5/22/25 | 11:00 | 3 | 2 | 1 | | | | | | | | Equipment Blank |
| 3. | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER | DATE/TIME | RECEIVED BY |
|---|---|---|
| 1. | 5/22/25 1550 | 1. 5.22.25 1550 |
| RELINQUISHED BY | DATE/TIME | RECEIVED BY |
| 2. | | 2. |
| RELINQUISHED BY | DATE/TIME | RECEIVED FOR LAB BY |
| 3. | 5.22.25 1945 | 3. |

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 3.4°C
MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in Cooler?:
Comments: 5-DAY TAT - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list
10-DAY TAT - For 1,4 Dioxane (8270 SIM)



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. |
|---|---|
| | |
| CAS EPA CLP Contract | 68HERH20D0011 |
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255424 Rev 1 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |

QA Control Code: A2070148

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q2120 TETR06
**Client Name :** Tetra Tech NUS, Inc.
**Client Contact :** Ernie Wu
**Invoice Name :** Tetra Tech NUS, Inc.
**Invoice Contact :** Ernie Wu

**Order Date :** 5/22/2025 3:57:00 PM
**Project Name :** NWIRP Bethpage 112G080
**Receive DateTime :** 5/22/2025 ~~12:00:00~~ AM
**Purchase Order :** 17:45

**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 |
|---|---|---|---|---|---|---|---|---|---|
| Q2120-01 | VPB182-HYD-20250522 | Water | 05/22/2025 | 14:30 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 2 ~~10~~ Bus. Days |
| Q2120-02 | BP-VPB-182-EB-20250522 | Water | 05/22/2025 | 11:00 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 2 ~~10~~ Bus. Days |

**Relinguished By :**
**Date / Time :** 5/23/25 0800

**Received By :**
**Date / Time :** 05/23/25 8:00

Reg # 4

**Storage Area : VOA Refridgerator Room**

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 83671 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 147096 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 127829 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 60503 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 31909 | 12.820 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 25.640%# | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 21112 | 12.804 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 25.600%# | | |
| 50) Toluene-d8 | 8.646 | 98 | 73333 | 13.200 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 26.400%# | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 26760 | 13.236 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 26.480%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 23341 | 12.638 | ug/l | 96 |
| 3) Chloromethane | 1.306 | 50 | 24316 | 13.371 | ug/l | 98 |
| 4) Vinyl Chloride | 1.373 | 62 | 22096 | 13.868 | ug/l | 94 |
| 5) Bromomethane | 1.593 | 94 | 9920 | 12.279 | ug/l | 93 |
| 6) Chloroethane | 1.666 | 64 | 11832 | 14.414 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.873 | 101 | 34636 | 14.271 | ug/l | 100 |
| 8) Diethyl Ether | 2.129 | 74 | 11392 | 14.278 | ug/l | 94 |
| 9) 1,1,2-Trichlorotrifluo... | 2.324 | 101 | 21027 | 14.499 | ug/l | 98 |
| 10) Methyl Iodide | 2.446 | 142 | 25661 | 15.070 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.971 | 59 | 20370 | 68.662 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 18899 | 13.385 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 26427 | 76.689 | ug/l | 95 |
| 14) Allyl chloride | 2.660 | 41 | 37708 | 14.133 | ug/l | 99 |
| 15) Acrylonitrile | 3.062 | 53 | 63290 | 71.312 | ug/l | 98 |
| 16) Acetone | 2.379 | 43 | 60363 | 70.884 | ug/l | 99 |
| 17) Carbon Disulfide | 2.501 | 76 | 43348 | 13.251 | ug/l | 100 |
| 18) Methyl Acetate | 2.702 | 43 | 27234 | 13.397 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 68402 | 13.890 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 23050 | 13.362 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.086 | 96 | 19161 | 13.294 | ug/l | 96 |
| 22) Diisopropyl ether | 3.763 | 45 | 74257 | 14.896 | ug/l | 95 |
| 23) Vinyl Acetate | 3.720 | 43 | 322598 | 73.230 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 41257 | 14.082 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 90331 | 73.489 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.470 | 77 | 30472 | 13.729 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 23970 | 13.791 | ug/l | 98 |
| 28) Bromochloromethane | 4.897 | 49 | 21028 | 13.497 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 56819 | 71.175 | ug/l | 100 |
| 30) Chloroform | 5.086 | 83 | 43065 | 14.144 | ug/l | 95 |
| 31) Cyclohexane | 5.458 | 56 | 36470 | 14.769 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 37003 | 14.092 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 27242 | 14.231 | ug/l | 98 |
| 37) Ethyl Acetate | 4.720 | 43 | 33458 | 13.931 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.671 | 117 | 31091 | 14.137 | ug/l | 98 |
| 39) Methylcyclohexane | 7.372 | 83 | 35077 | 14.623 | ug/l | 99 |
| 40) Benzene | 6.031 | 78 | 83898 | 14.140 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.915 | 41 | 18732 | 14.038 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 37203 | 15.165 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 53275 | 14.512 | ug/l | | 99 |
| 44) Trichloroethene | 7.116 | 130 | 20239 | 14.429 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 20940 | 14.204 | ug/l | | 98 |
| 46) Dibromomethane | 7.580 | 93 | 16781 | 14.439 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.817 | 83 | 32762 | 14.545 | ug/l | | 94 |
| 48) Methyl methacrylate | 7.689 | 41 | 27374 | 14.521 | ug/l | | 100 |
| 49) 1,4-Dioxane | 7.659 | 88 | 10585 | 282.442 | ug/l | | 98 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 182455 | 75.775 | ug/l | | 98 |
| 52) Toluene | 8.713 | 92 | 52030 | 14.788 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 27549 | 14.566 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 31226 | 14.154 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.152 | 97 | 20536 | 14.442 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 31787 | 14.425 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 36341 | 14.417 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 79531 | 80.312 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 137054 | 74.997 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 22267 | 14.387 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 21113 | 14.458 | ug/l | | 96 |
| 64) Tetrachloroethene | 9.268 | 164 | 19924 | 15.263 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 55863 | 14.202 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131 | 18671 | 14.231 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 98113 | 14.631 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 72202 | 29.806 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 35178 | 14.408 | ug/l | | 96 |
| 70) Styrene | 10.652 | 104 | 58034 | 14.853 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 13825 | 14.030 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 93013 | 14.096 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 44684 | 13.581 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 31830 | 13.560 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.237 | 75 | 34837 | 13.811 | ug/l | | 89 |
| 77) Bromobenzene | 11.195 | 156 | 21695 | 14.212 | ug/l | | 96 |
| 78) n-propylbenzene | 11.298 | 91 | 106337 | 14.376 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.359 | 91 | 68534 | 13.748 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 79261 | 14.468 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 8104 | 13.371 | ug/l | | 91 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 77338 | 14.116 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 75382 | 14.011 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 79232 | 14.480 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 95271 | 14.263 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 77599 | 14.387 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 39520 | 13.898 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 39419 | 14.146 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 66506 | 14.184 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 13332 | 13.287 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 39031 | 14.092 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.938 | 75 | 7232 | 13.535 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 20846 | 13.745 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 9524 | 13.426 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 77542 | 14.040 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.956 | 180 | 22301 | 14.023 | ug/l | | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

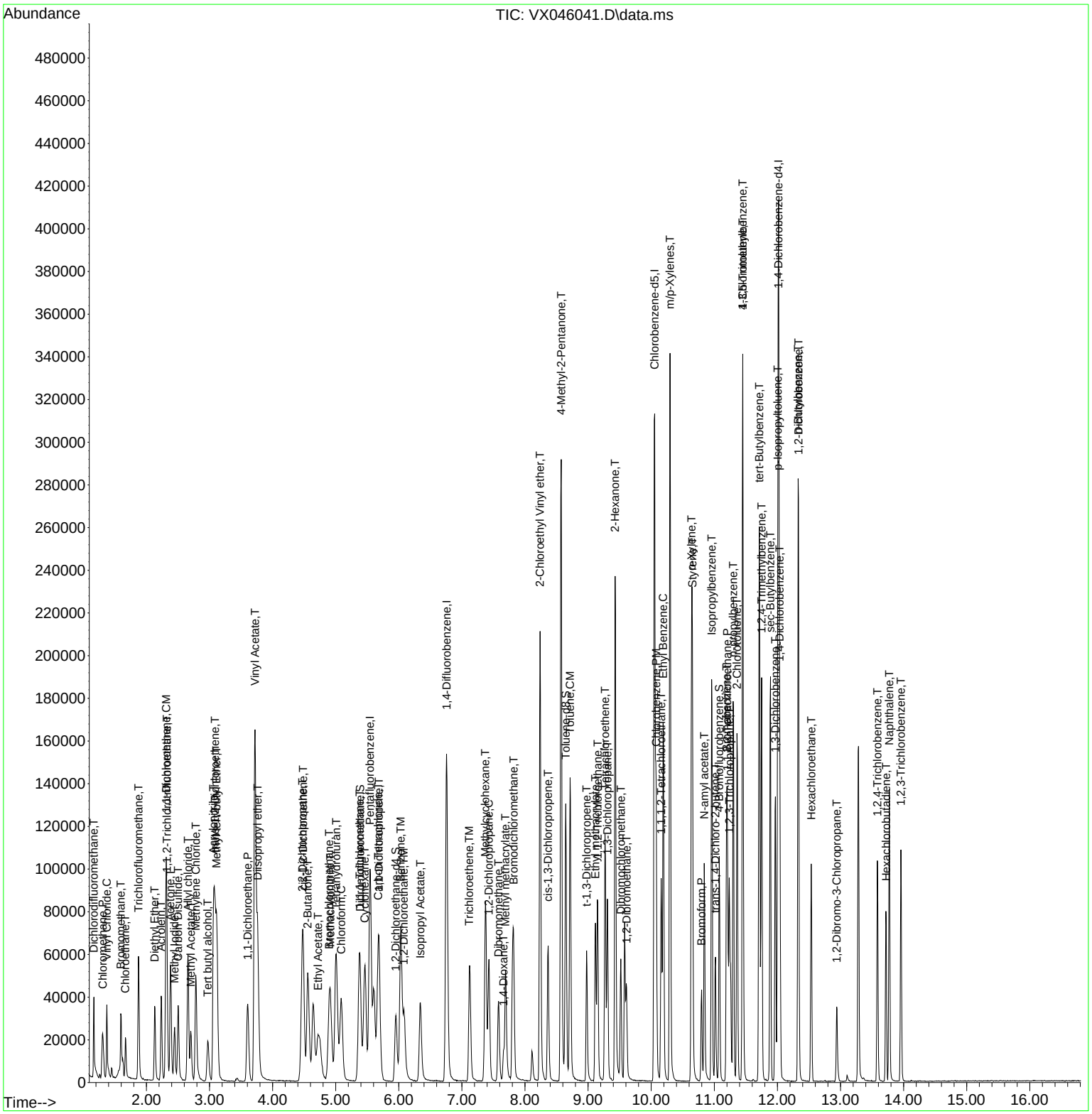
(#) = qualifier out of range (m) = manual integration (+) = signals summed

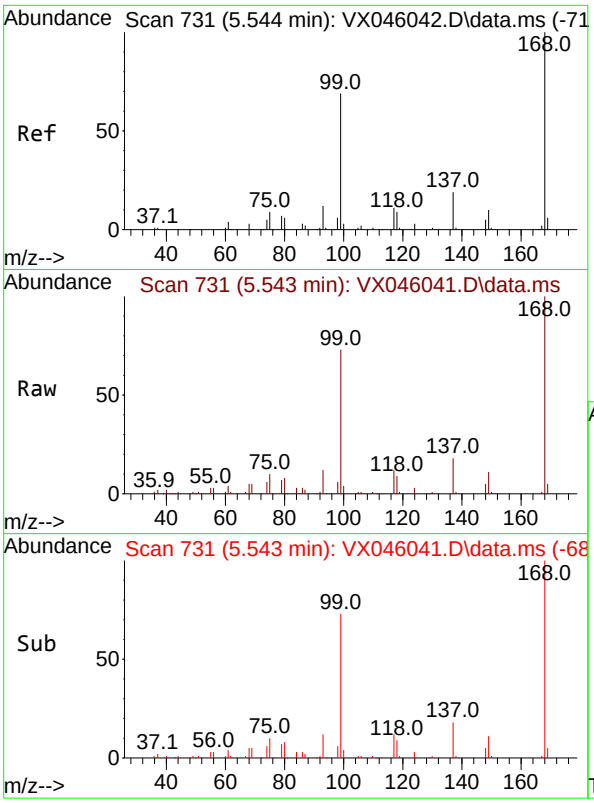
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



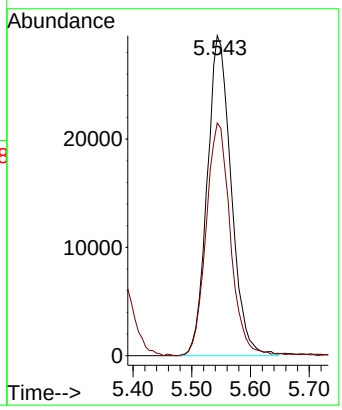


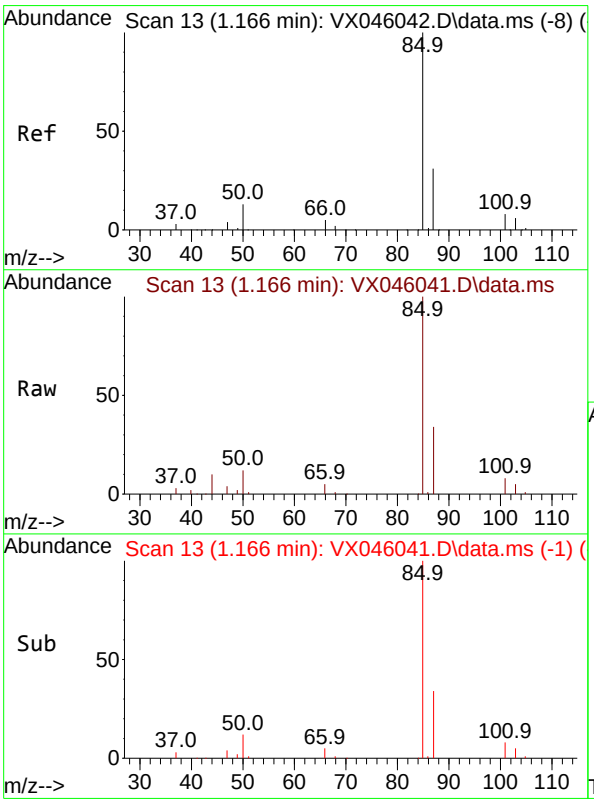

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:168 Resp: 83671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 72.7 | 54.9 | 82.3 |

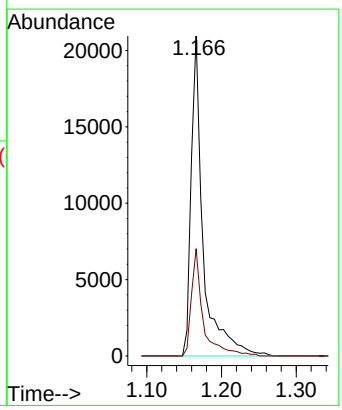


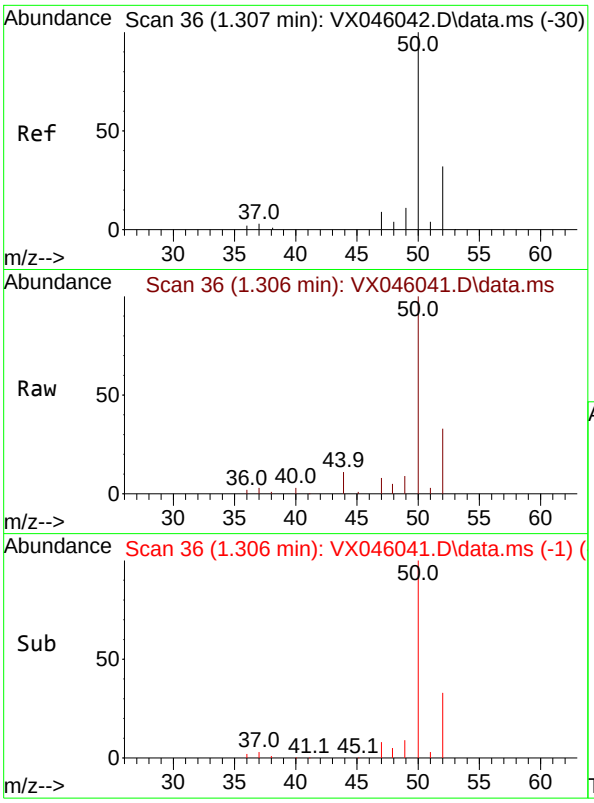




#2
Dichlorodifluoromethane
Concen: 12.638 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 85 Resp: 23341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.5 | 15.7 | 47.1 |



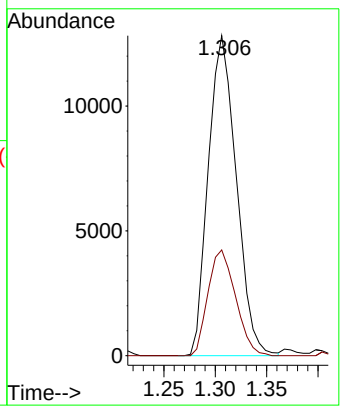


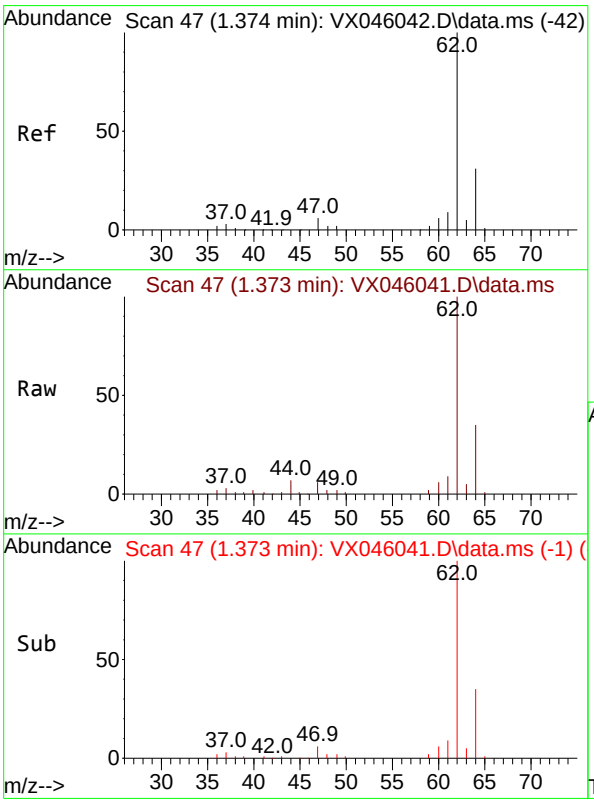

#3
Chloromethane
Concen: 13.371 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 50 Resp: 24316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.0 | 25.4 | 38.2 |

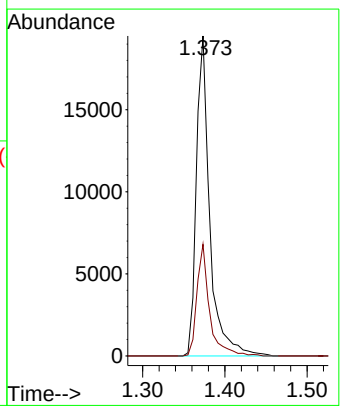


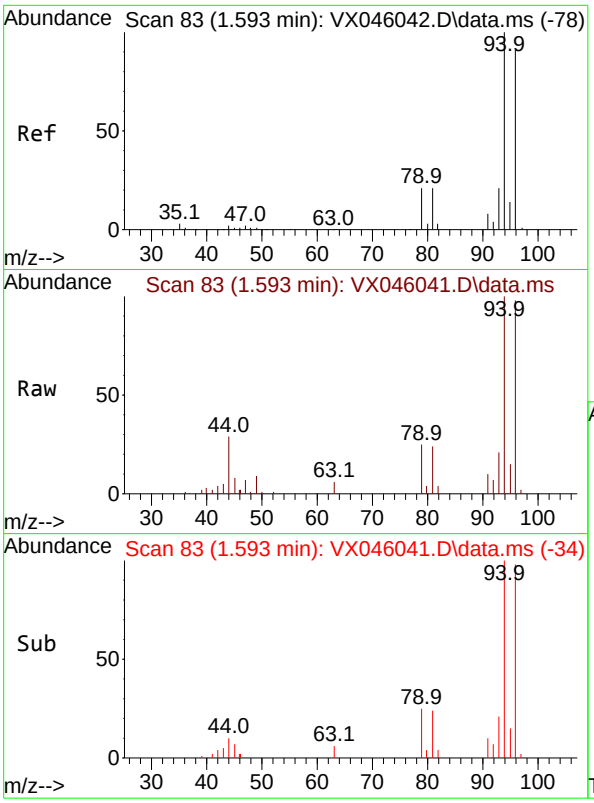




#4
Vinyl Chloride
Concen: 13.868 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 22096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 34.9 | 25.2 | 37.8 |



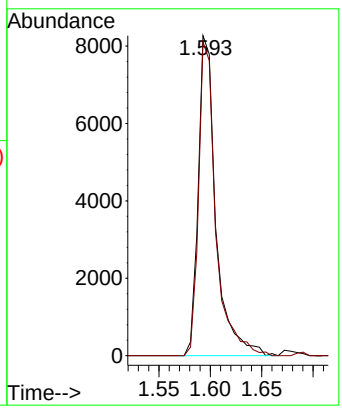


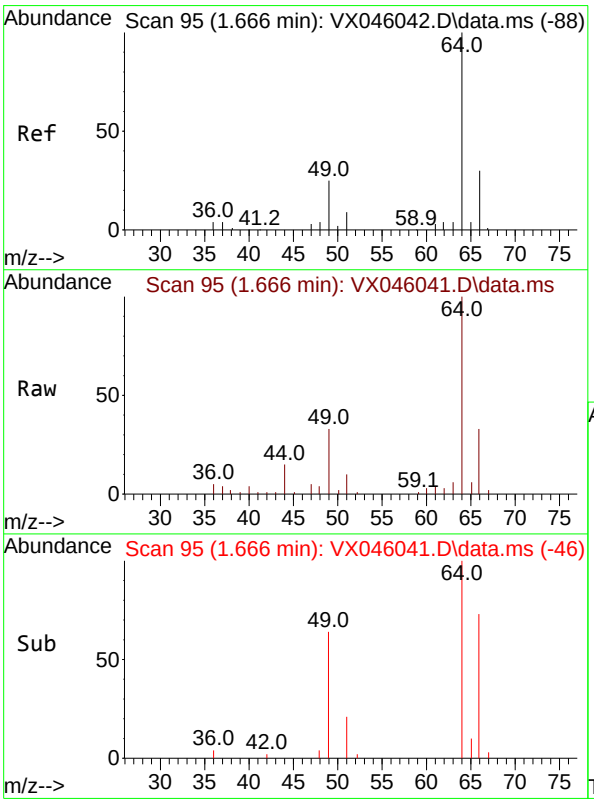

#5
Bromomethane
Concen: 12.279 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 94 Resp: 9920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 98.1 | 72.8 | 109.2 |

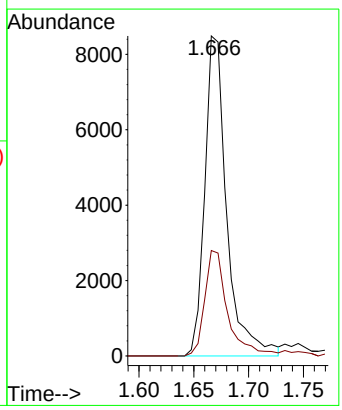


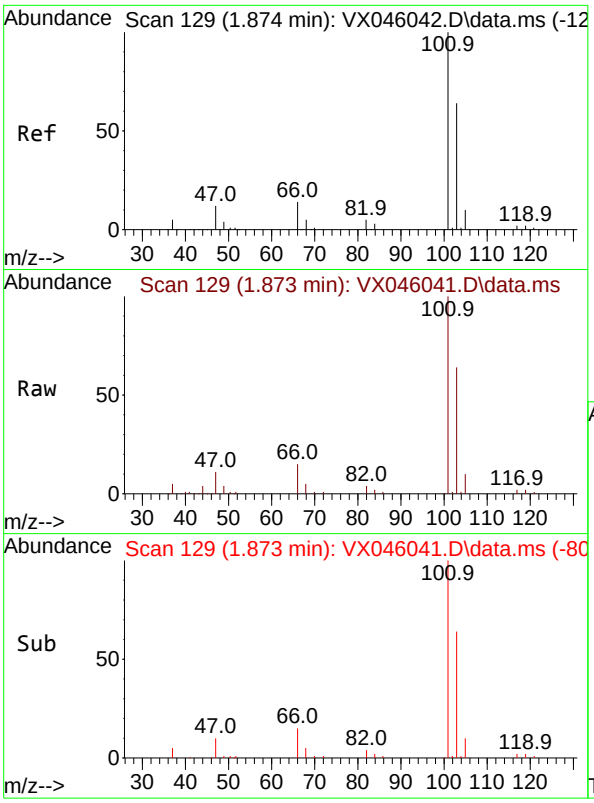




#6
Chloroethane
Concen: 14.414 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 64 Resp: 11832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.9 | 24.3 | 36.5 |



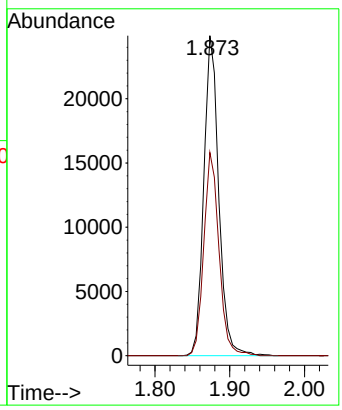


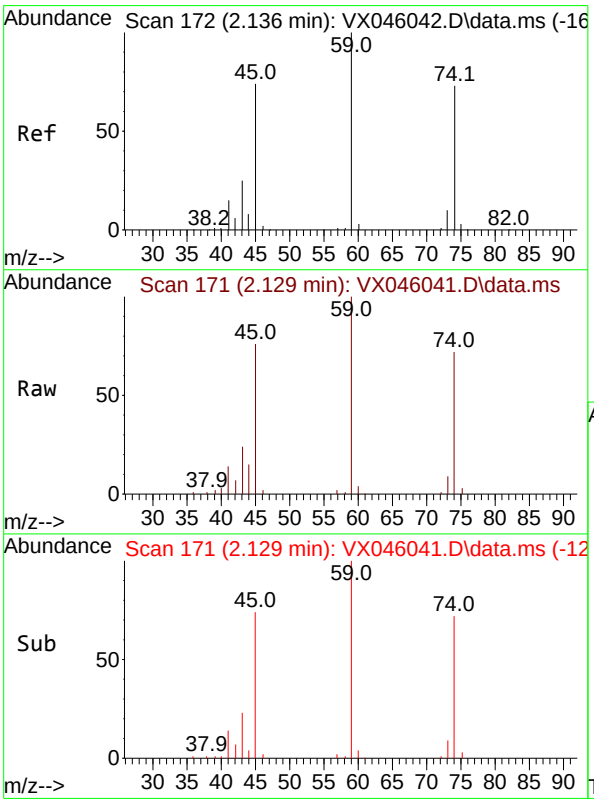

#7
Trichlorofluoromethane
Concen: 14.271 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:101 Resp: 34636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 51.0 | 76.4 |

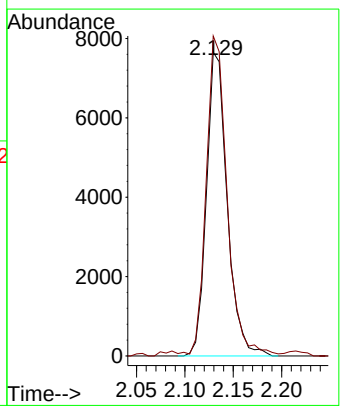


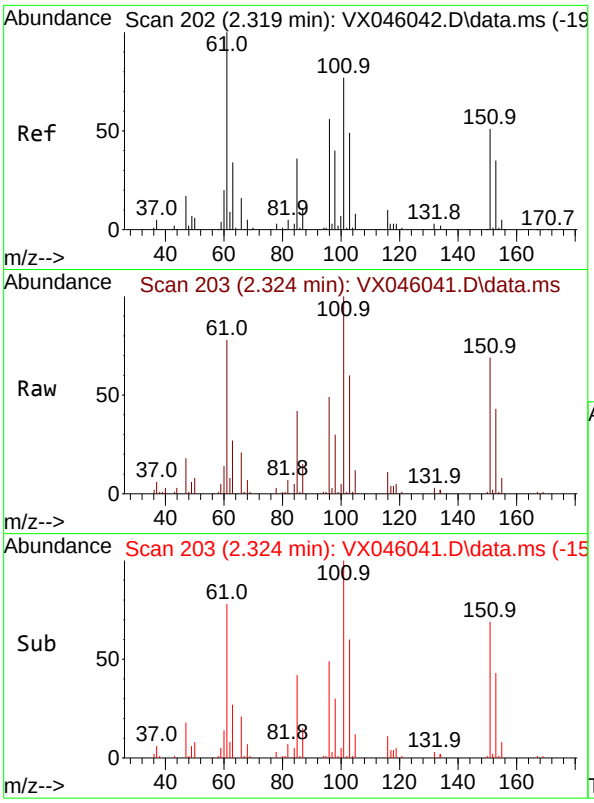




#8
Diethyl Ether
Concen: 14.278 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 74 Resp: 11392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 103.7 | 54.9 | 164.8 |



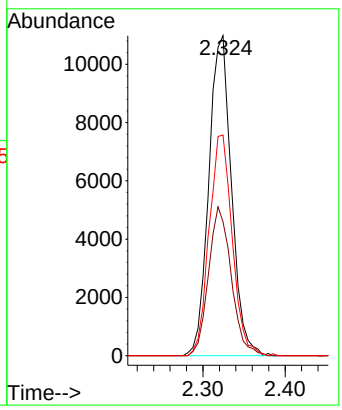


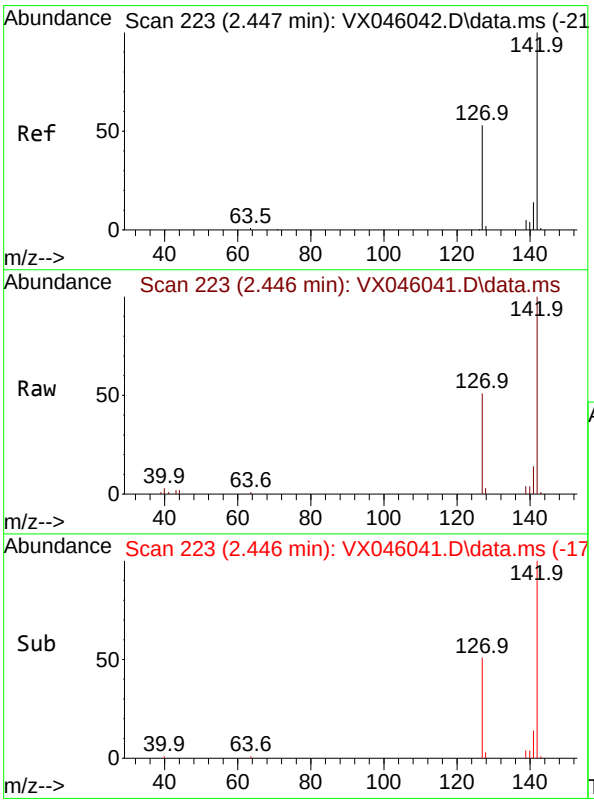

#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.499 ug/l
RT: 2.324 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:101 Resp: 21027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.6 | 38.6 | 58.0 |
| 151 | 70.4 | 55.2 | 82.8 |

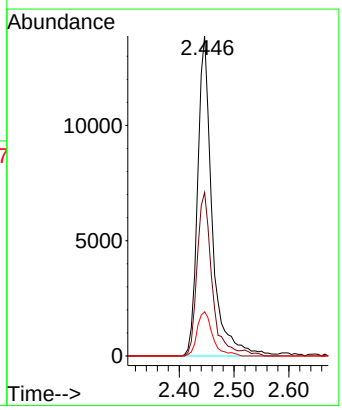


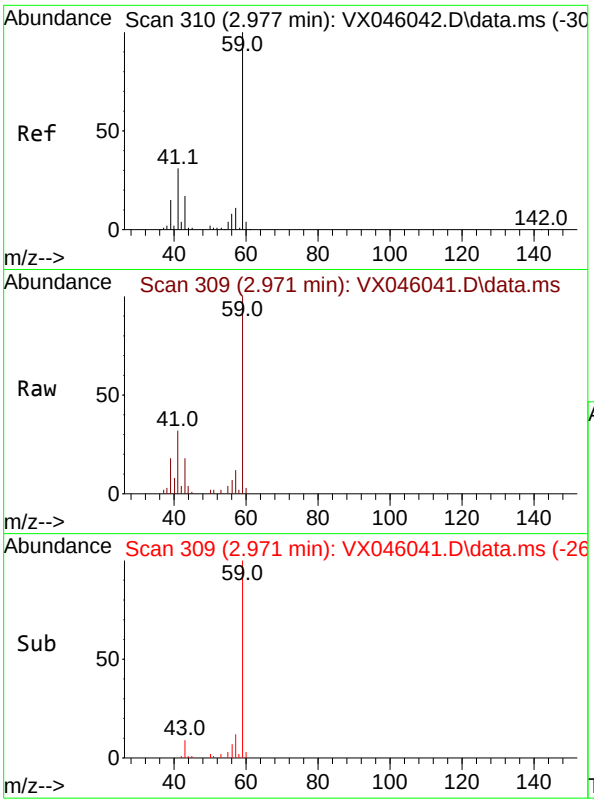




#10
Methyl Iodide
Concen: 15.070 ug/l
RT: 2.446 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:142 Resp: 25661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 53.0 | 41.7 | 62.5 |
| 141 | 14.7 | 11.5 | 17.3 |



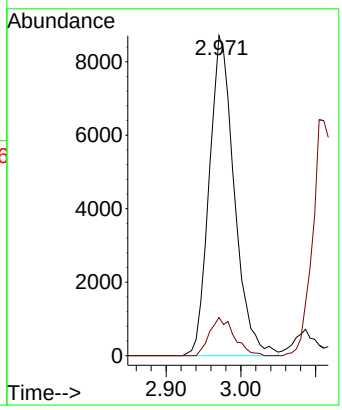


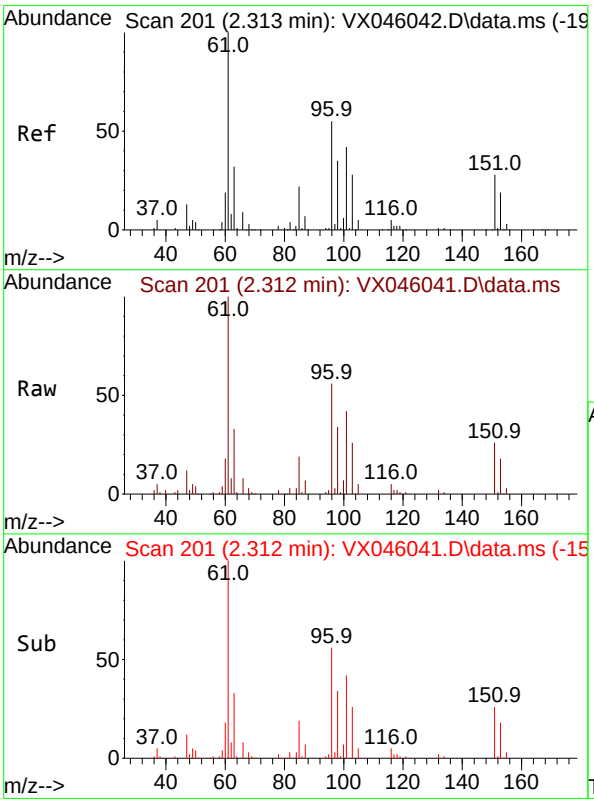

#11
Tert butyl alcohol
Concen: 68.662 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 59 Resp: 20370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.7 | 8.6 | 12.8 |

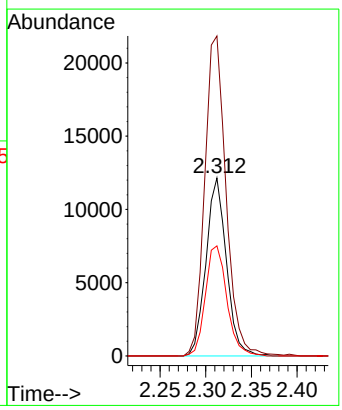


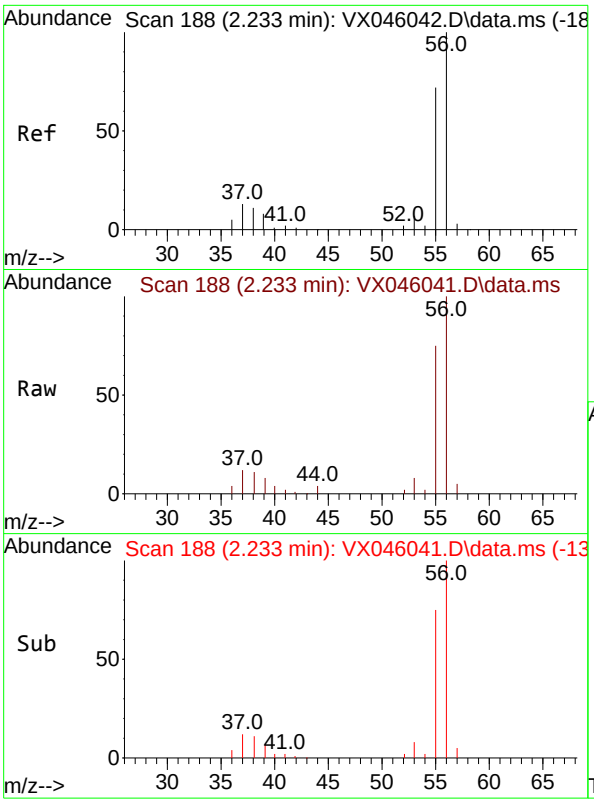




#12
1,1-Dichloroethene
Concen: 13.385 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 18899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 179.8 | 146.2 | 219.2 |
| 98 | 61.8 | 51.0 | 76.6 |



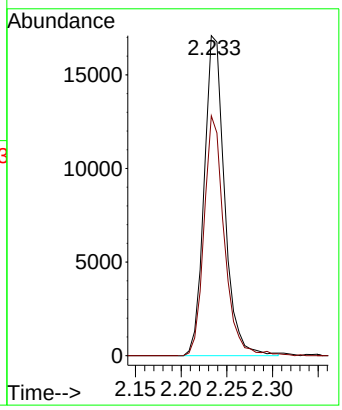


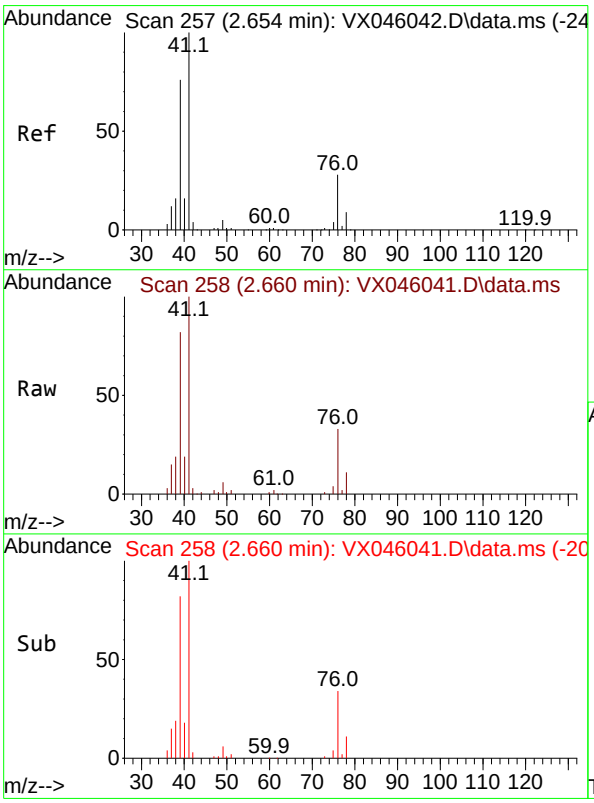

#13
Acrolein
Concen: 76.689 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 56 Resp: 26427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 74.3 | 56.2 | 84.4 |

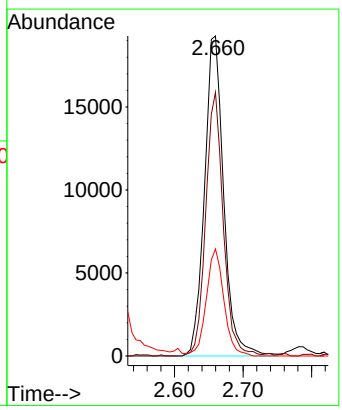


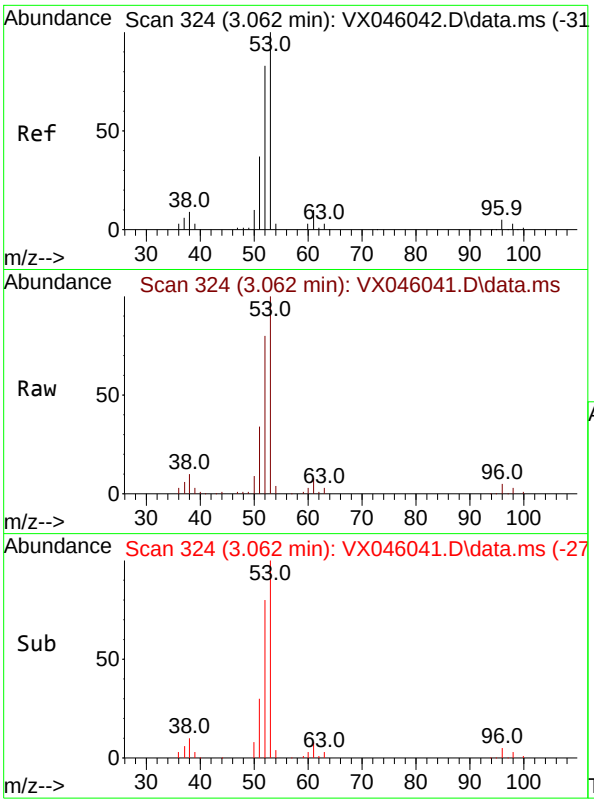




#14
Allyl chloride
Concen: 14.133 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 37708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.0 | 60.6 | 90.8 |
| 76 | 30.6 | 24.9 | 37.3 |



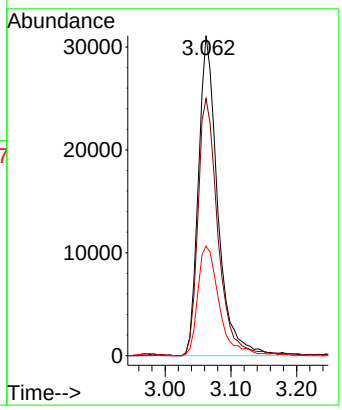


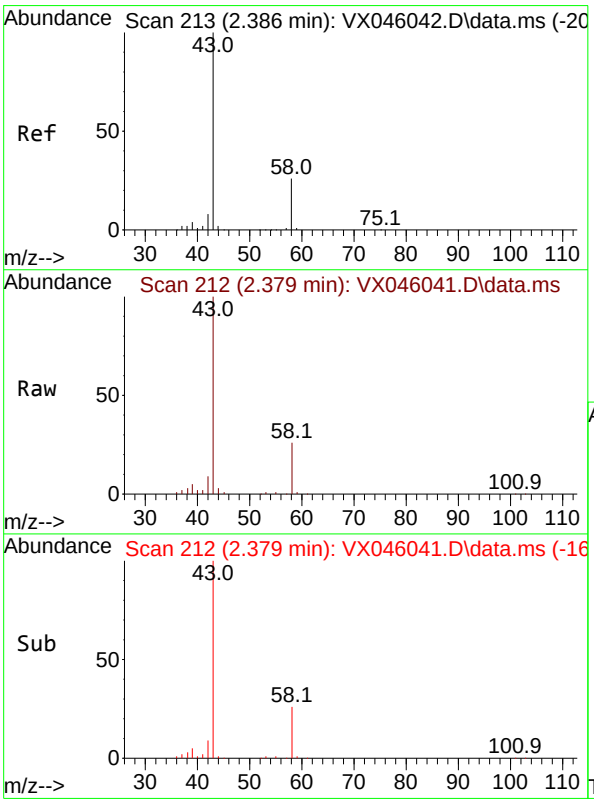

#15
Acrylonitrile
Concen: 71.312 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 53 Resp: 63290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.5 | 65.3 | 97.9 |
| 51 | 38.4 | 29.8 | 44.8 |

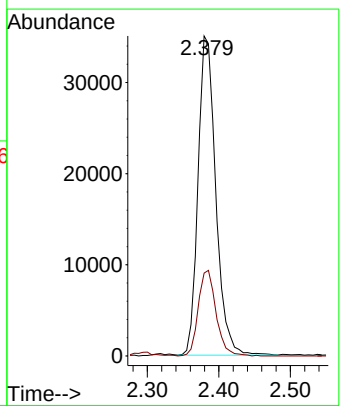


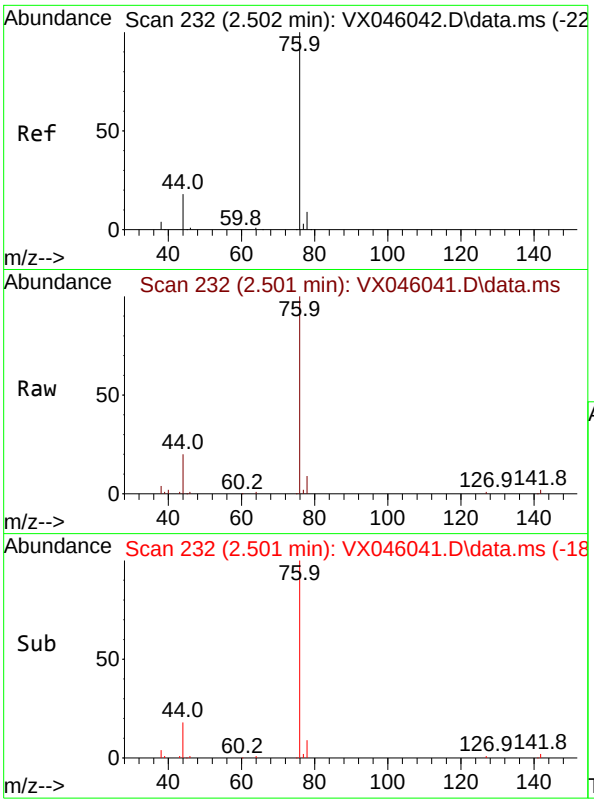




#16
Acetone
Concen: 70.884 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 60363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.0 | 21.2 | 31.8 |



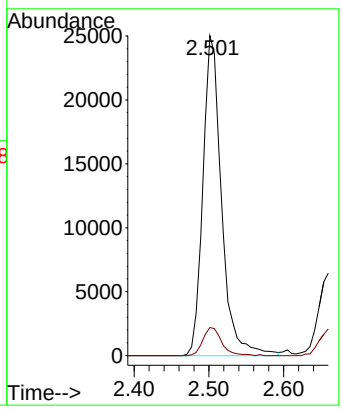


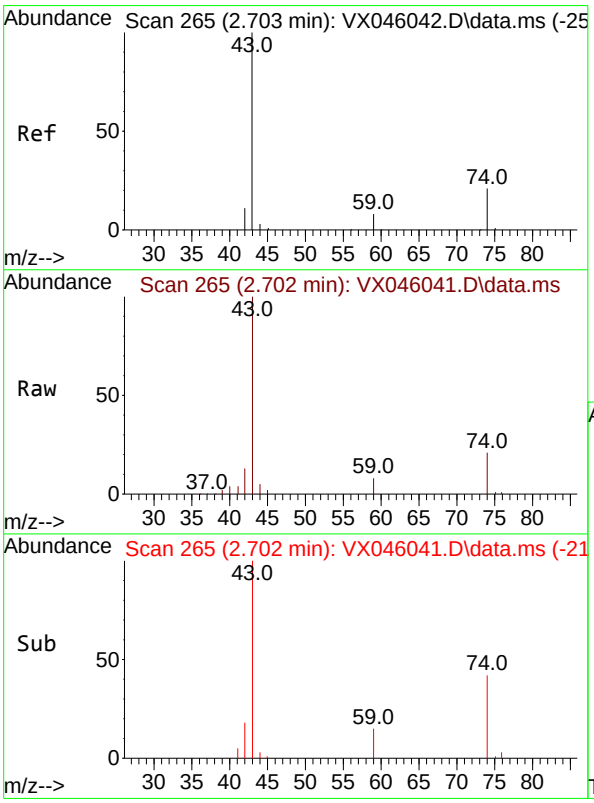

#17
Carbon Disulfide
Concen: 13.251 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 76 Resp: 43348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.0 | 10.4 |

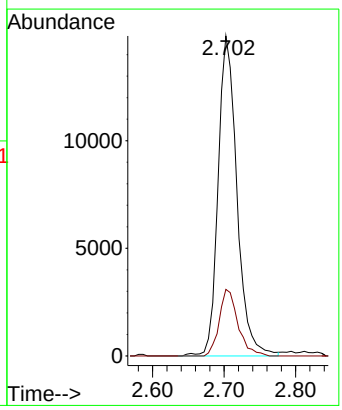


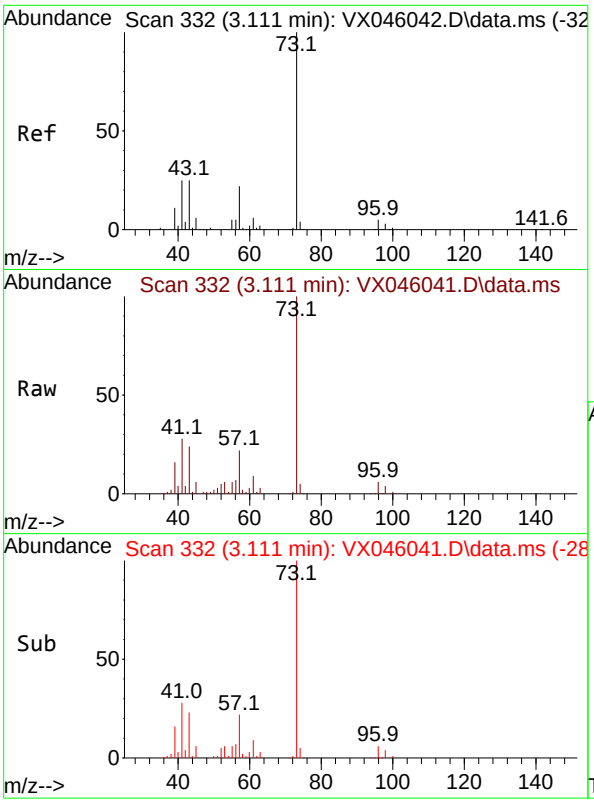




#18
Methyl Acetate
Concen: 13.397 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 27234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.7 | 16.7 | 25.1 |



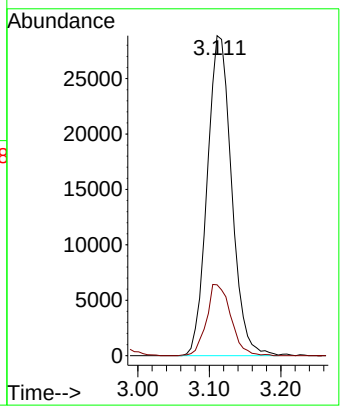


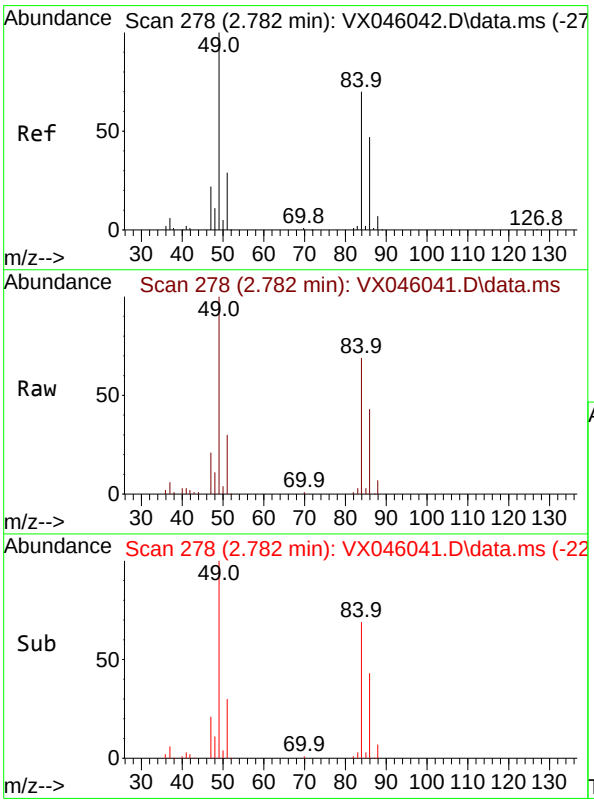

#19
Methyl tert-butyl Ether
Concen: 13.890 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 73 Resp: 68402

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

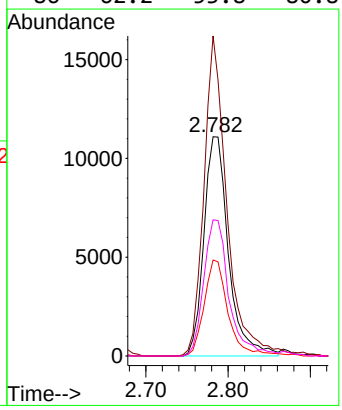


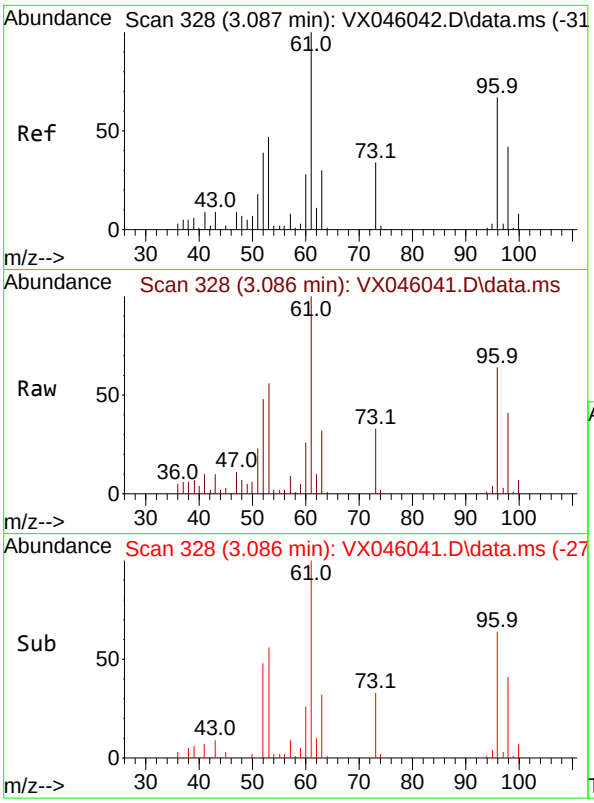




#20
Methylene Chloride
Concen: 13.362 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 84 Resp: 23050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 146.0 | 113.9 | 170.9 |
| 51 | 43.8 | 33.5 | 50.3 |
| 86 | 62.2 | 53.8 | 80.8 |



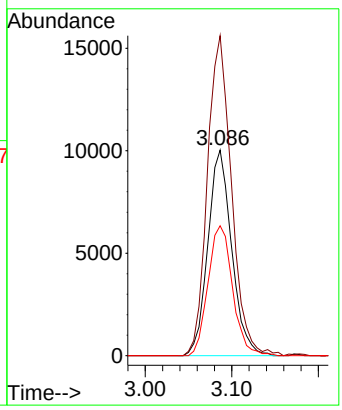


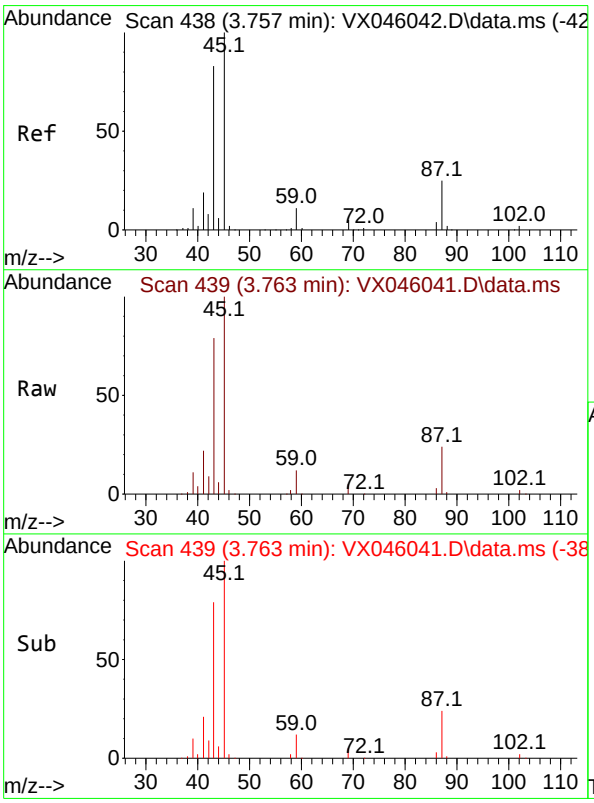

#21
trans-1,2-Dichloroethene
Concen: 13.294 ug/l
RT: 3.086 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 96 Resp: 19161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.6 | 119.5 | 179.3 |
| 98 | 63.2 | 50.0 | 75.0 |

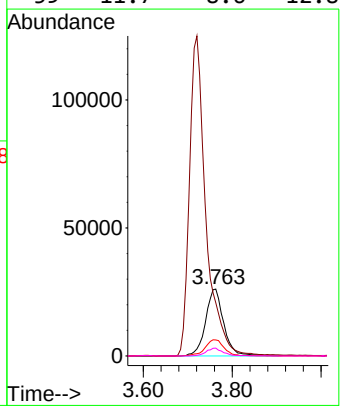


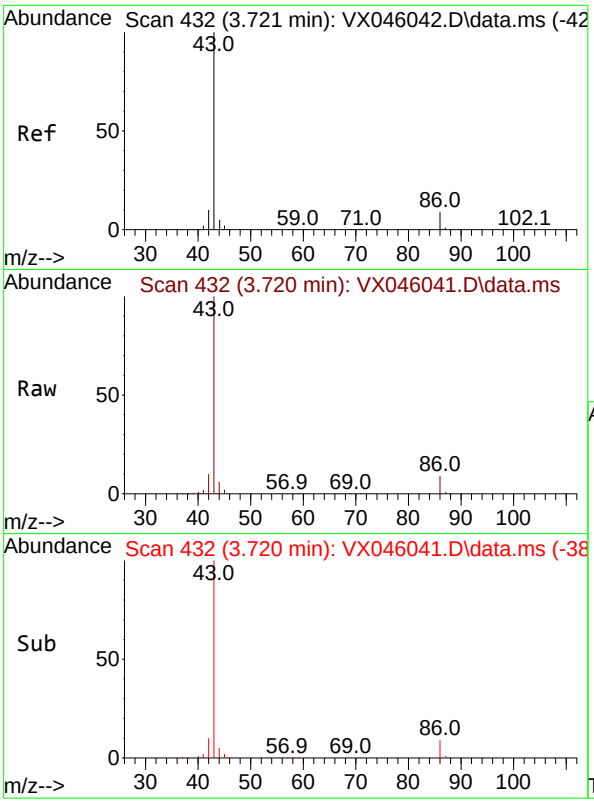




#22
Diisopropyl ether
Concen: 14.896 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 45 Resp: 74257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 78.2 | 66.6 | 100.0 |
| 87 | 24.0 | 19.8 | 29.6 |
| 59 | 11.7 | 8.6 | 12.8 |



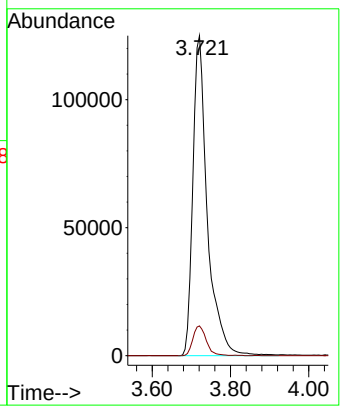


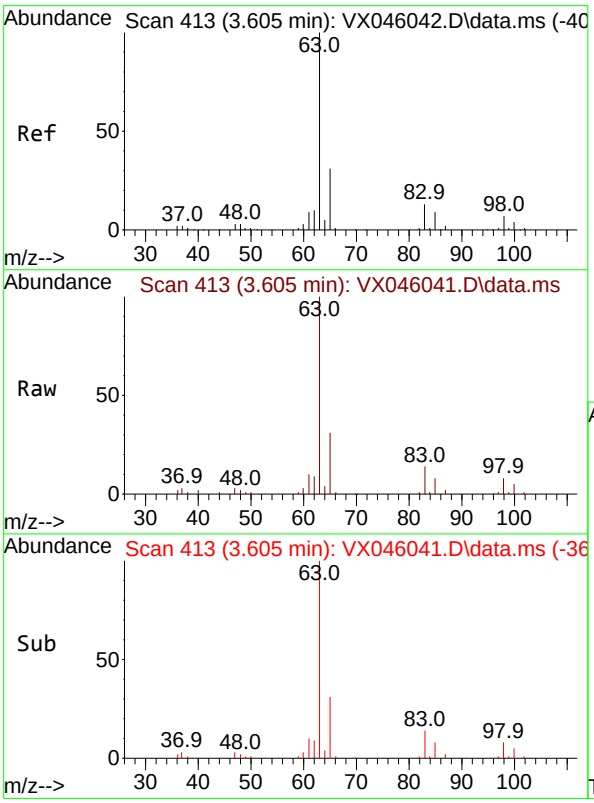

#23
Vinyl Acetate
Concen: 73.230 ug/l
RT: 3.720 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 43 Resp: 322598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.3 | 7.5 | 11.3 |

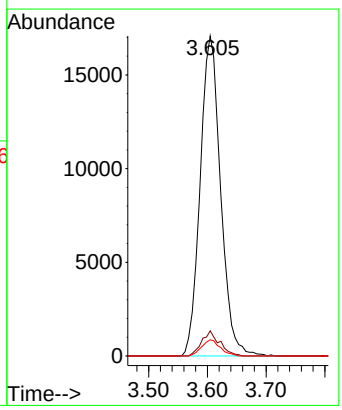


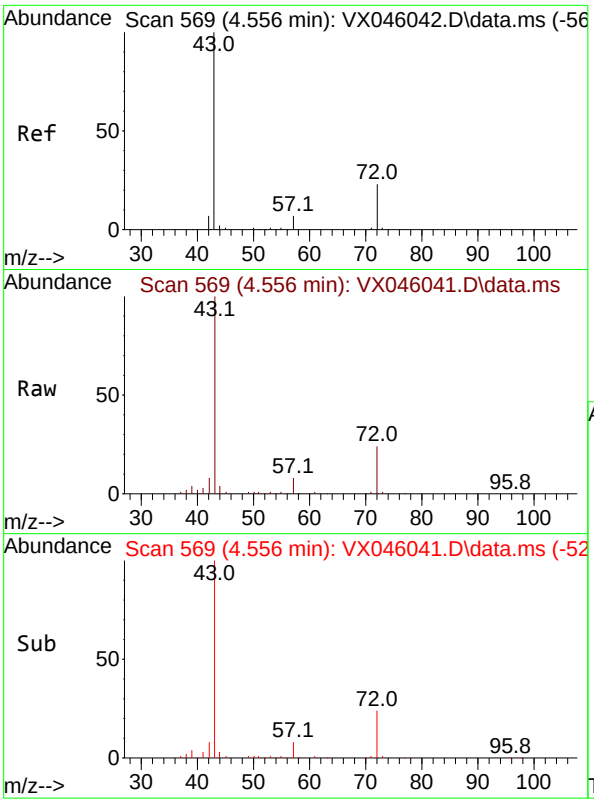




#24
1,1-Dichloroethane
Concen: 14.082 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 41257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.9 | 3.6 | 10.8 |
| 100 | 5.0 | 2.1 | 6.3 |



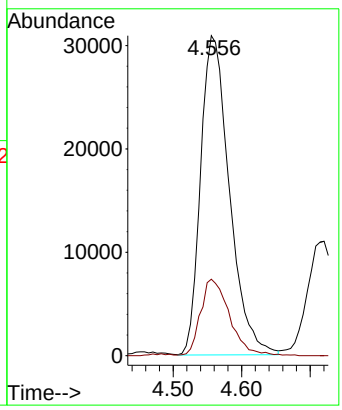


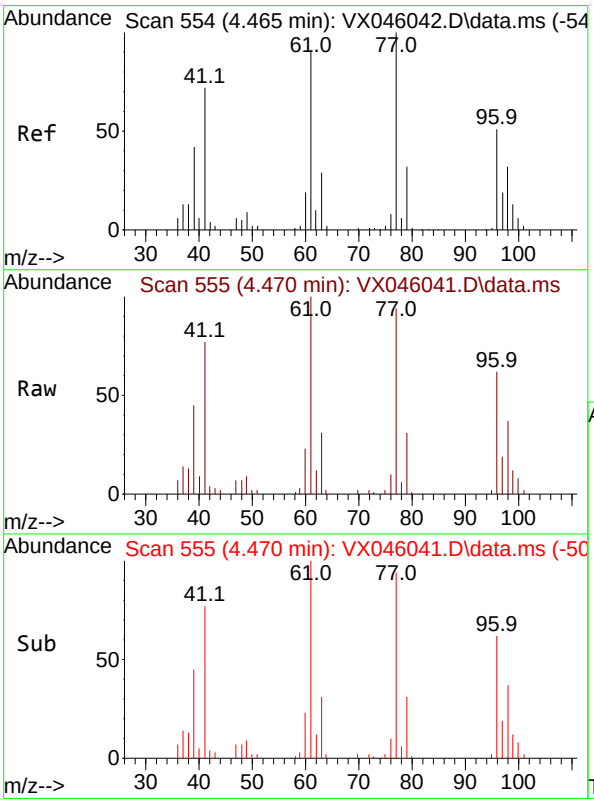

#25
2-Butanone
Concen: 73.489 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 43 Resp: 90331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.8 | 18.4 | 27.6 |

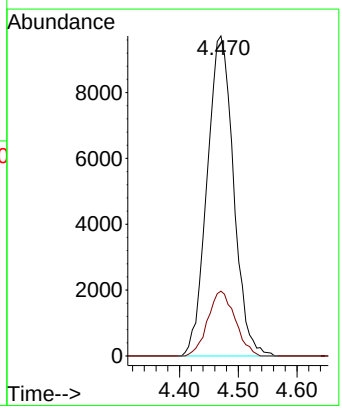


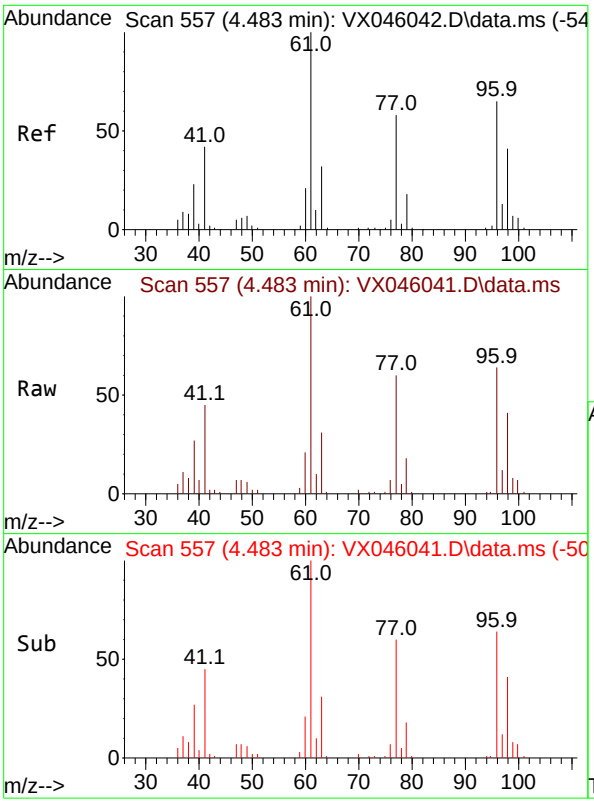




#26
2,2-Dichloropropane
Concen: 13.729 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 77 Resp: 30472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 20.9 | 10.5 | 31.5 |



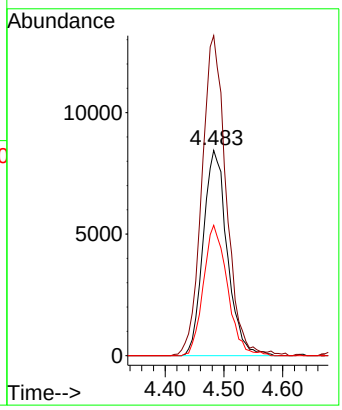


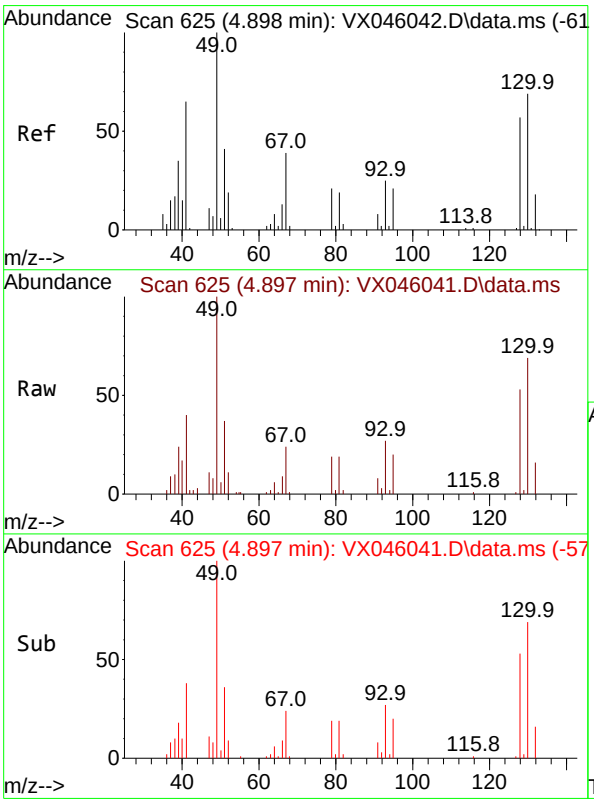

#27
cis-1,2-Dichloroethene
Concen: 13.791 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 96 Resp: 23970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 158.3 | 0.0 | 322.8 |
| 98 | 63.5 | 0.0 | 129.0 |

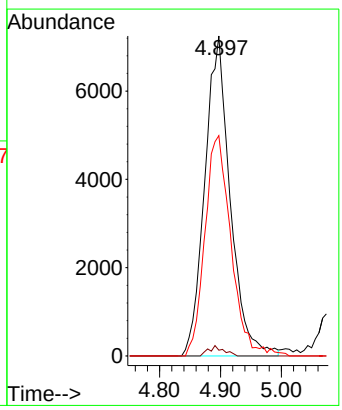


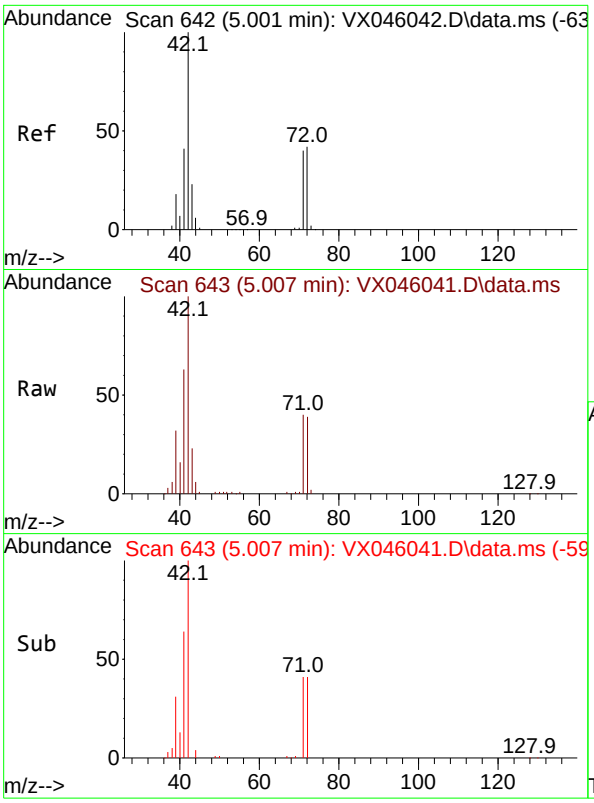




#28
Bromochloromethane
Concen: 13.497 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 49 Resp: 21028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 4.0 |
| 130 | 70.9 | 56.2 | 84.2 |



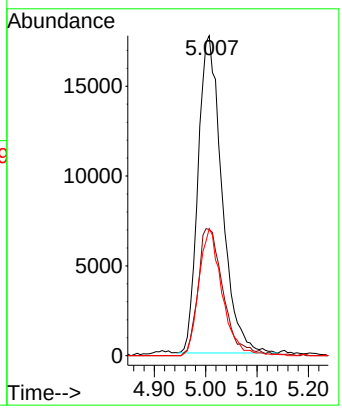


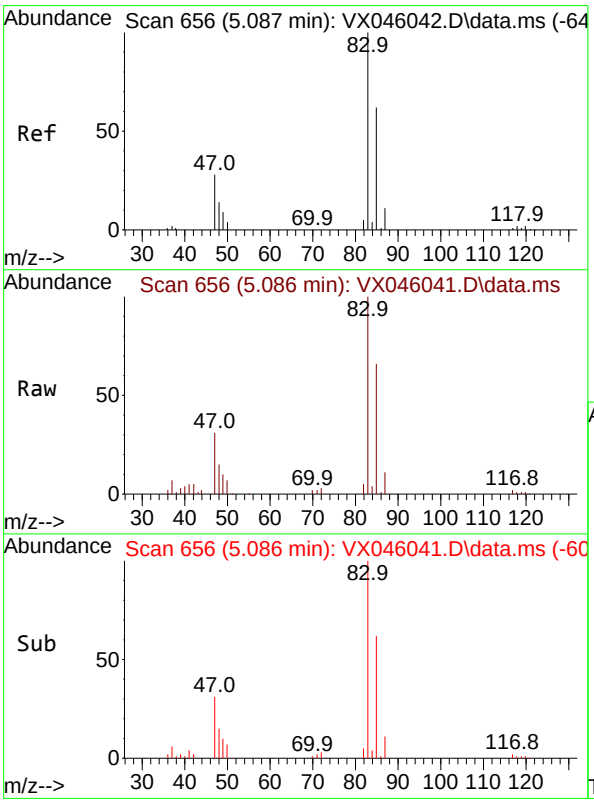

#29
Tetrahydrofuran
Concen: 71.175 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 42 Resp: 56819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.3 | 33.7 | 50.5 |
| 71 | 39.2 | 31.4 | 47.2 |

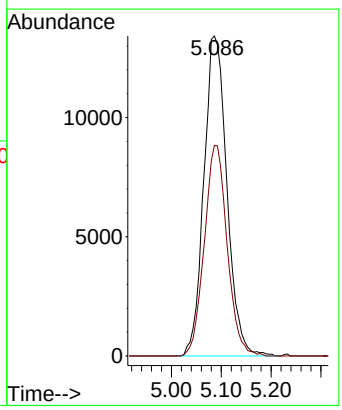


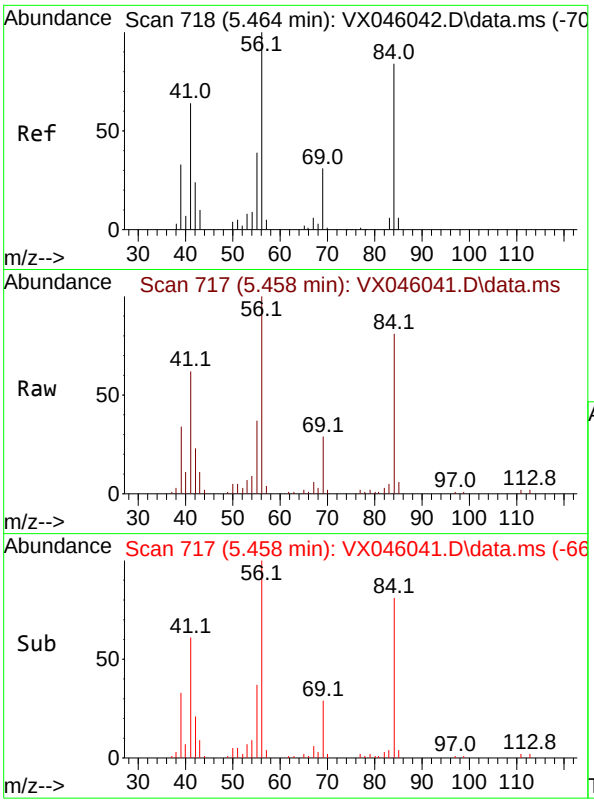




#30
Chloroform
Concen: 14.144 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 43065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.7 | 49.3 | 73.9 |



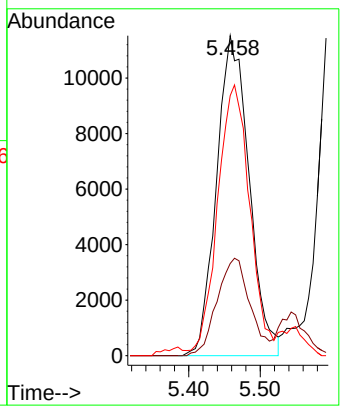


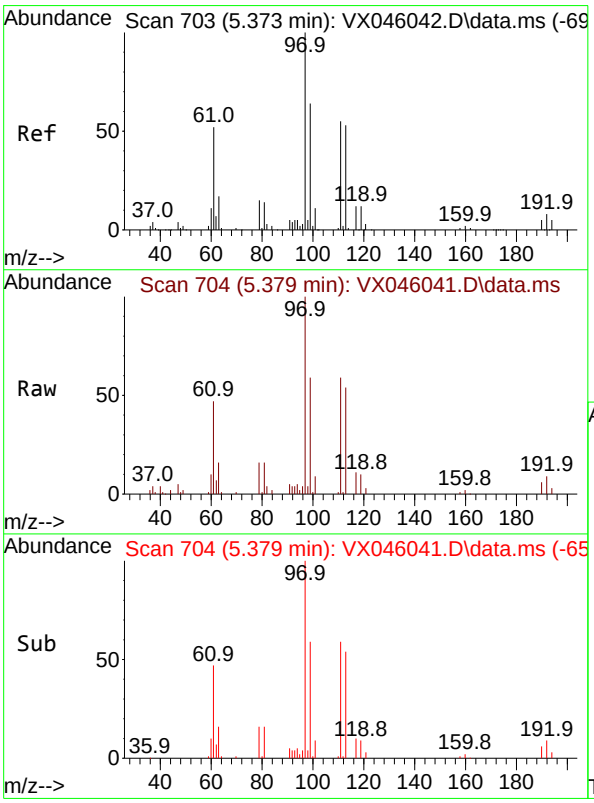

#31
Cyclohexane
Concen: 14.769 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 56 Resp: 36470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.8 | 24.4 | 36.6 |
| 84 | 78.5 | 66.9 | 100.3 |

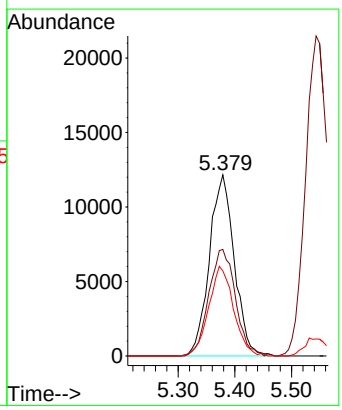


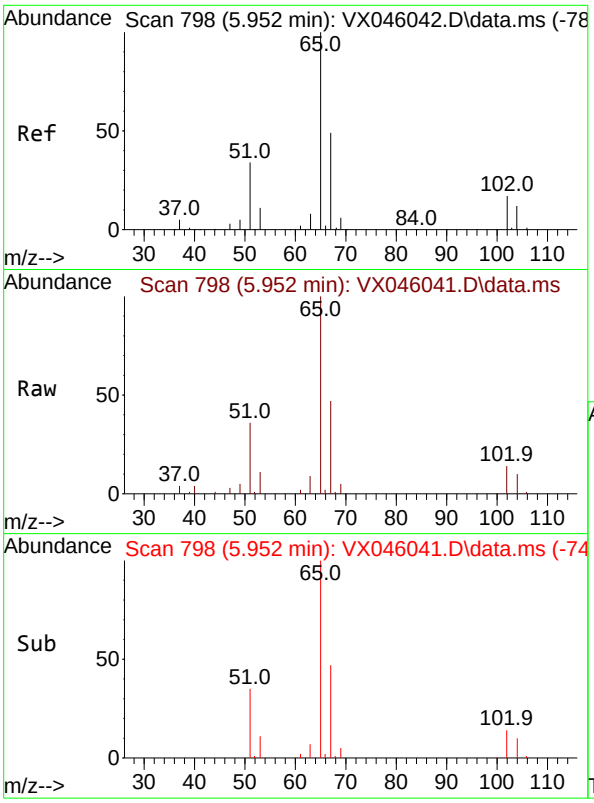




#32
1,1,1-Trichloroethane
Concen: 14.092 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 97 Resp: 37003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.8 | 51.8 | 77.6 |
| 61 | 49.5 | 40.1 | 60.1 |



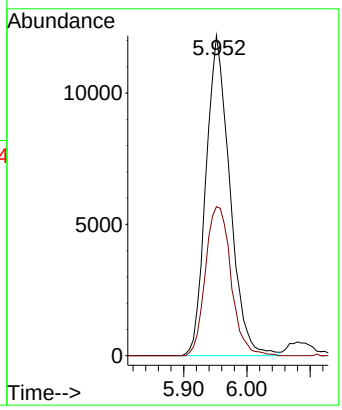


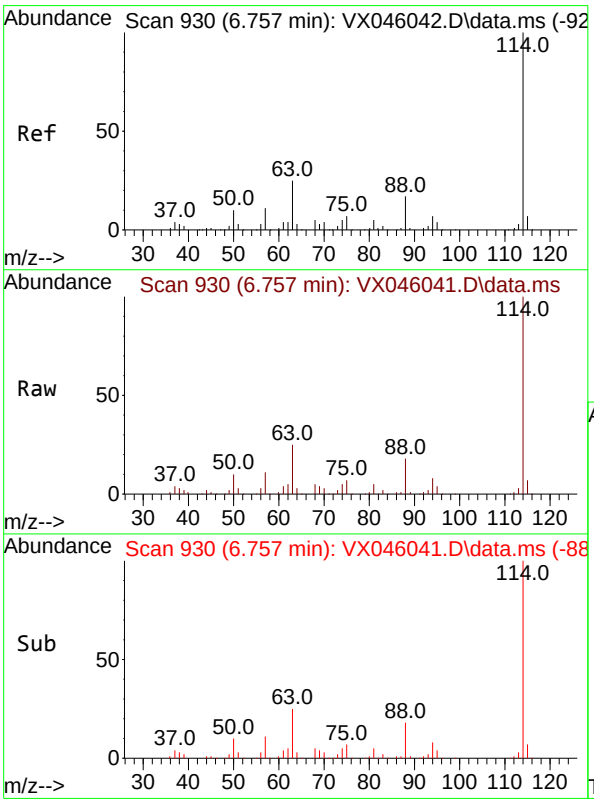

#33
1,2-Dichloroethane-d4
Concen: 12.820 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 65 Resp: 31909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.9 | 0.0 | 99.0 |

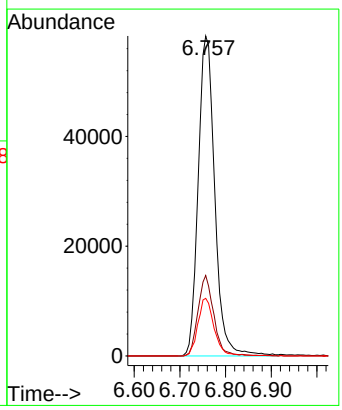


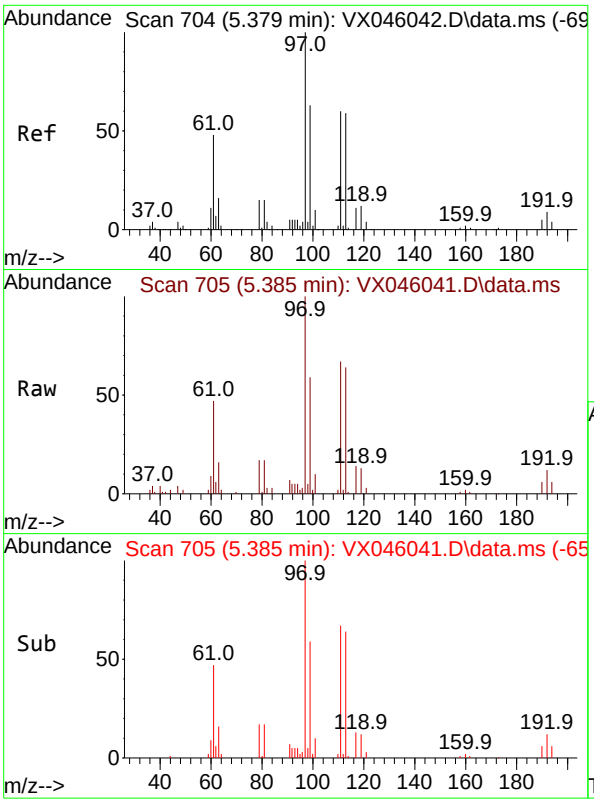




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:114 Resp: 147096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 25.2 | 0.0 | 49.2 |
| 88 | 18.0 | 0.0 | 33.6 |



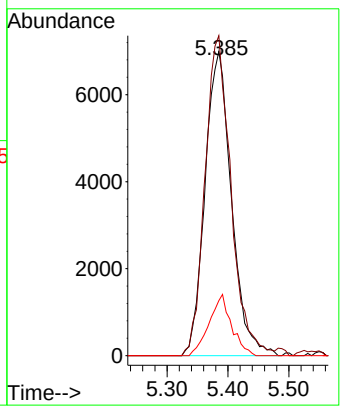


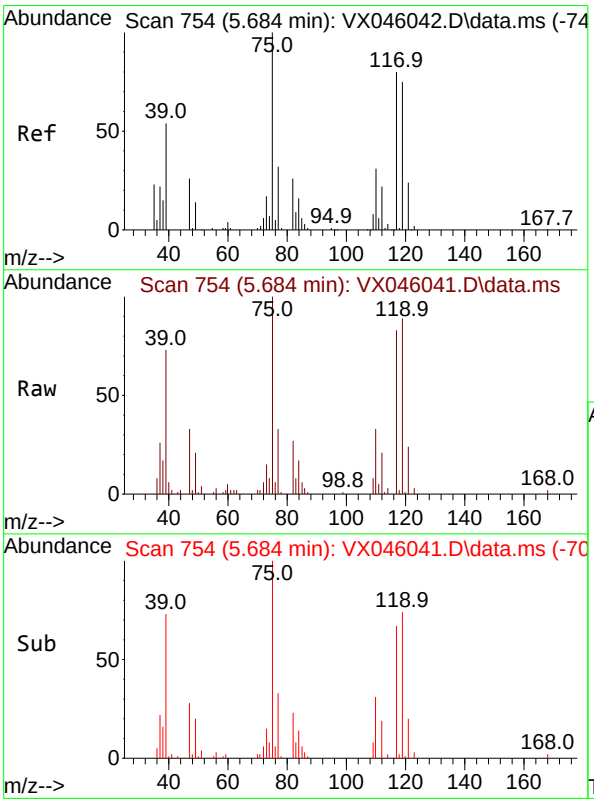

#35
Dibromofluoromethane
Concen: 12.804 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:113 Resp: 21112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 83.1 | 124.7 |
| 192 | 17.0 | 13.3 | 19.9 |

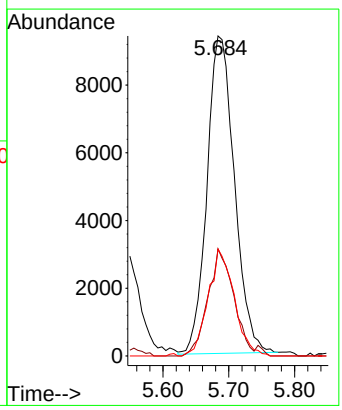


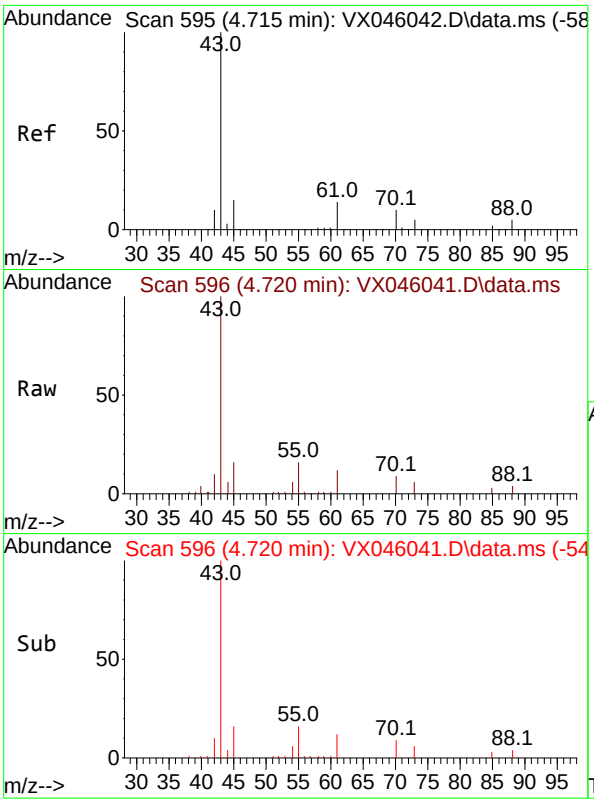




#36
1,1-Dichloropropene
Concen: 14.231 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 27242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 31.6 | 16.3 | 48.9 |
| 77 | 31.9 | 24.3 | 36.5 |



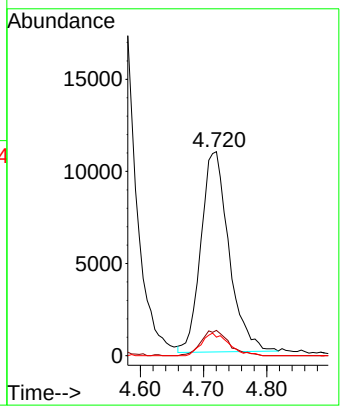


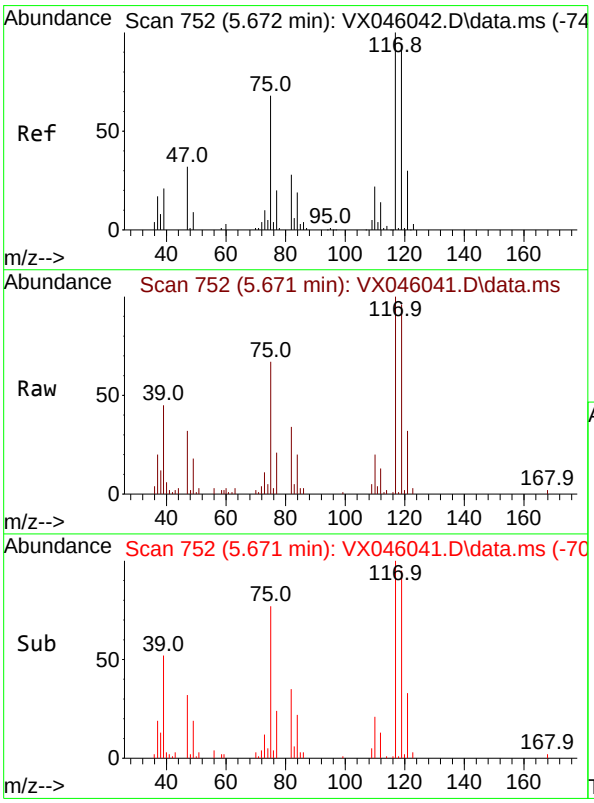

#37
Ethyl Acetate
Concen: 13.931 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 43 Resp: 33458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.6 | 10.3 | 15.5 |
| 70 | 10.9 | 7.9 | 11.9 |

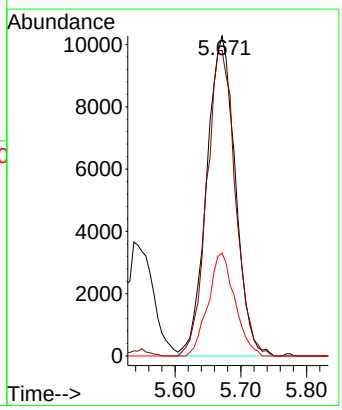


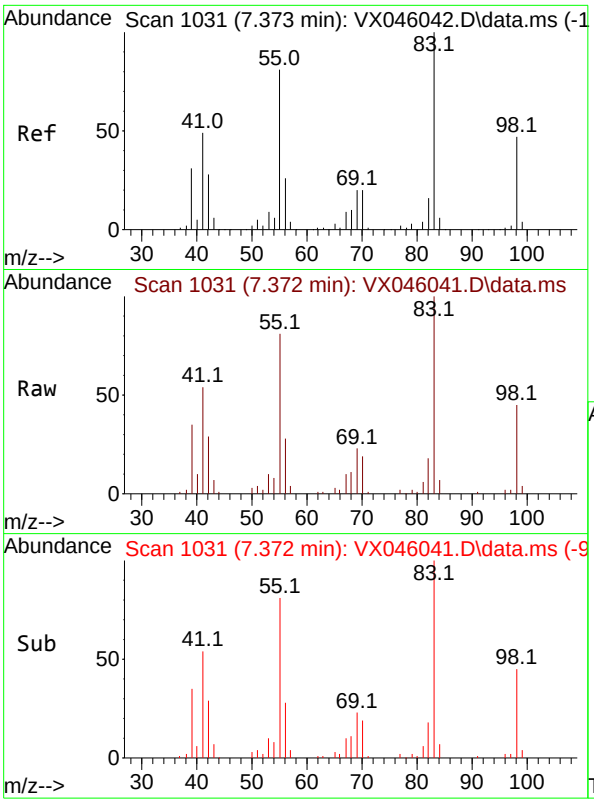




#38
Carbon Tetrachloride
Concen: 14.137 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 31091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 75.2 | 112.8 |
| 121 | 32.1 | 24.2 | 36.4 |



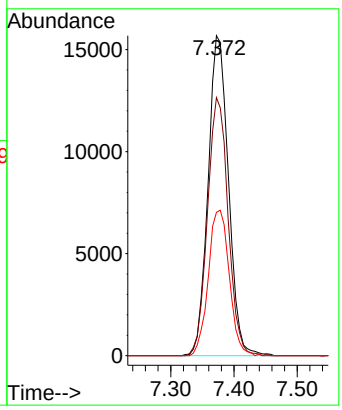


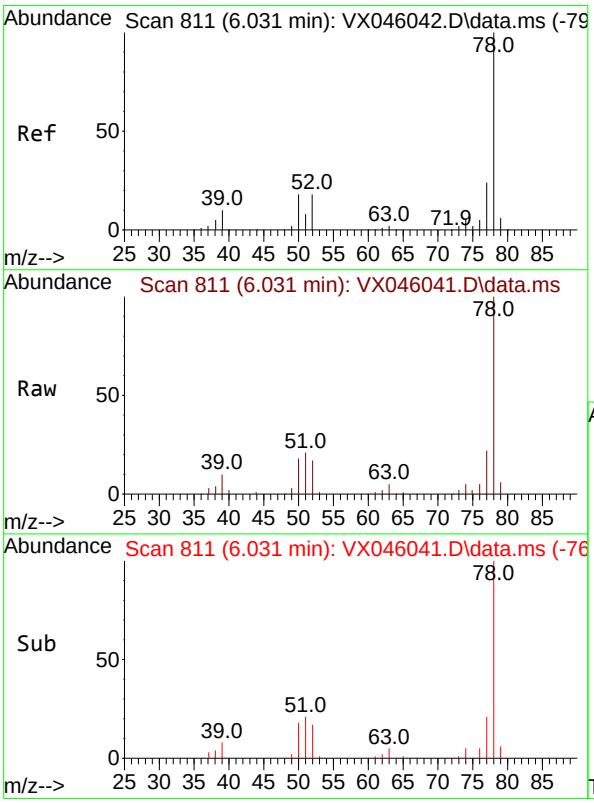

#39
Methylcyclohexane
Concen: 14.623 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 83 Resp: 35077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.7 | 64.7 | 97.1 |
| 98 | 44.8 | 37.4 | 56.2 |

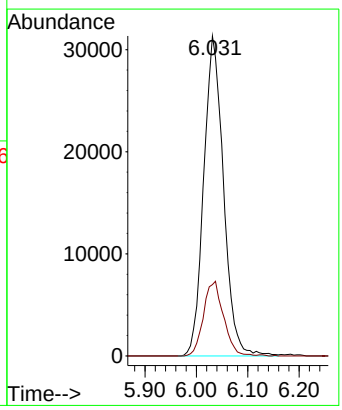


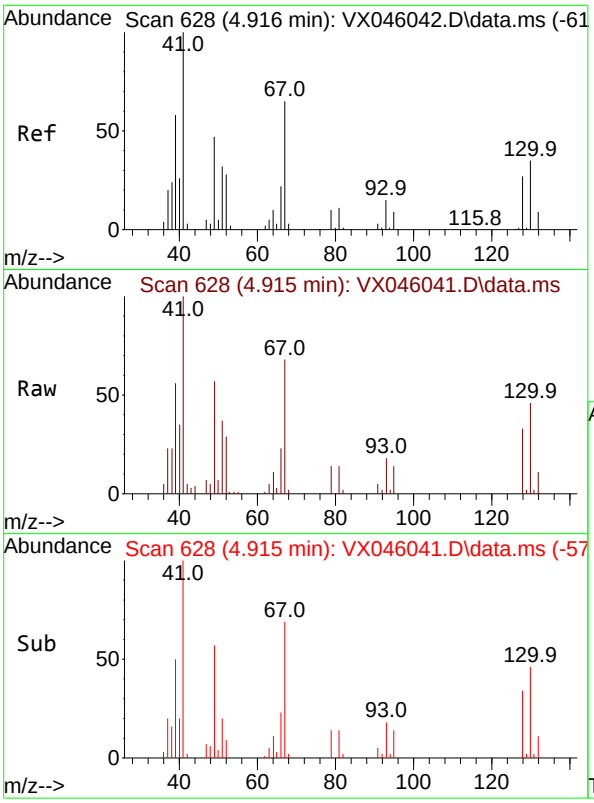




#40
Benzene
Concen: 14.140 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 78 Resp: 83898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.3 | 19.0 | 28.4 |



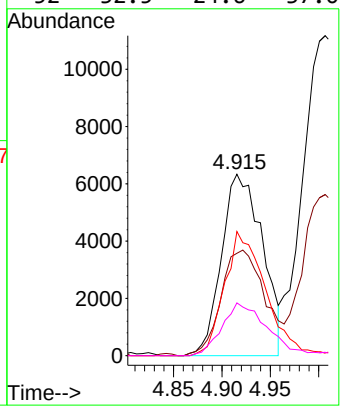


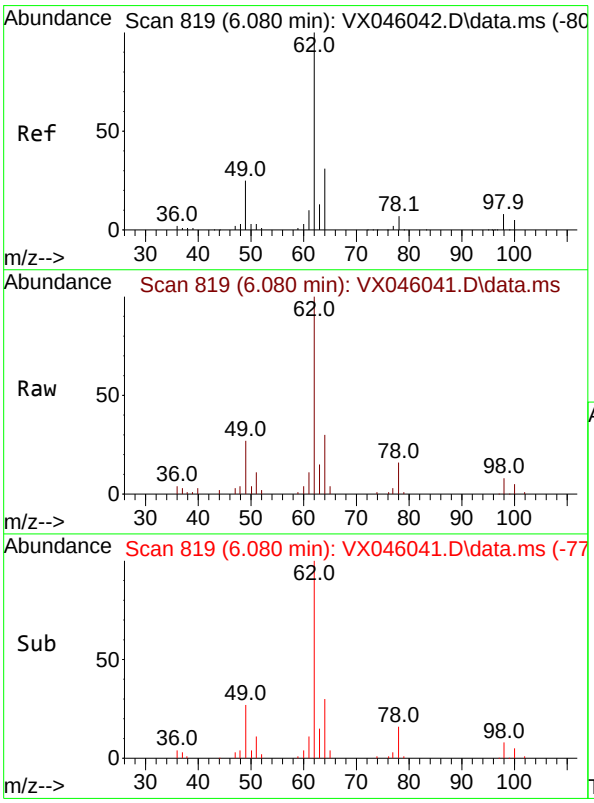

#41
Methacrylonitrile
Concen: 14.038 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 41 Resp: 18732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 62.6 | 47.2 | 70.8 |
| 67 | 68.3 | 50.7 | 76.1 |
| 52 | 32.5 | 24.6 | 37.0 |

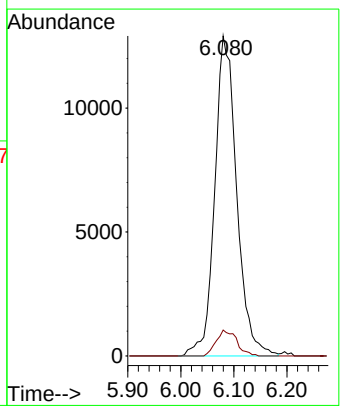


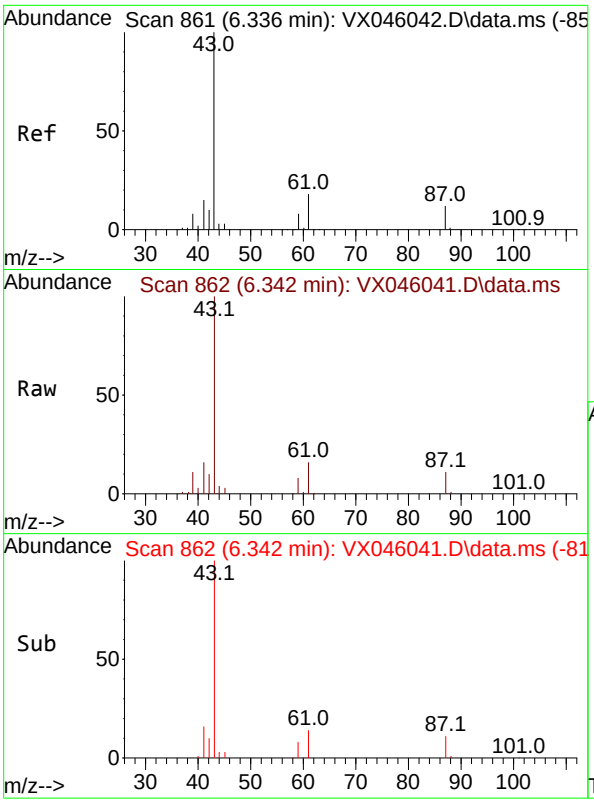




#42
1,2-Dichloroethane
Concen: 15.165 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 37203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.6 | 0.0 | 15.2 |



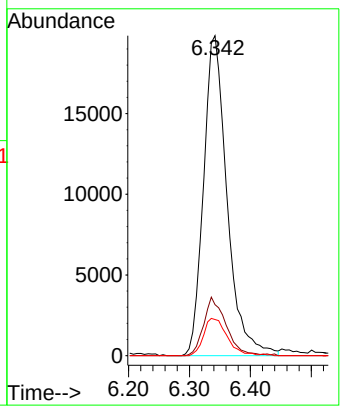


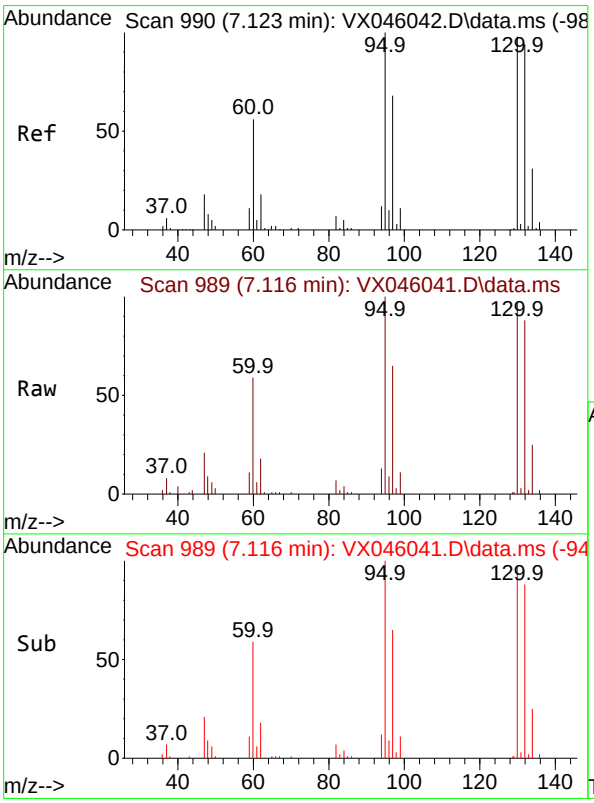

#43
Isopropyl Acetate
Concen: 14.512 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 43 Resp: 53275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.3 | 14.3 | 21.5 |
| 87 | 11.6 | 9.5 | 14.3 |

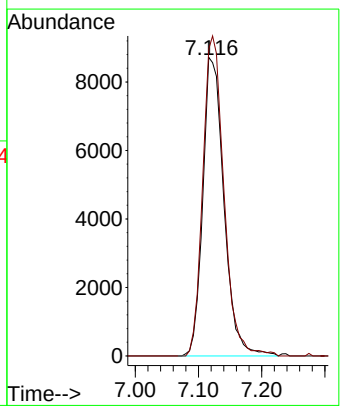


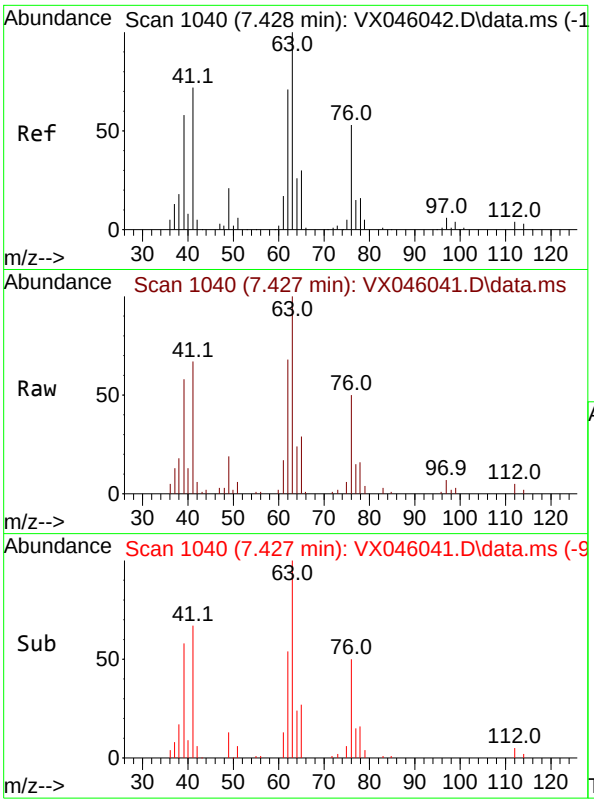




#44
Trichloroethene
Concen: 14.429 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:130 Resp: 20239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.8 | 0.0 | 204.2 |



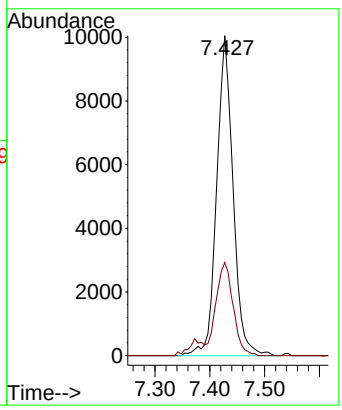


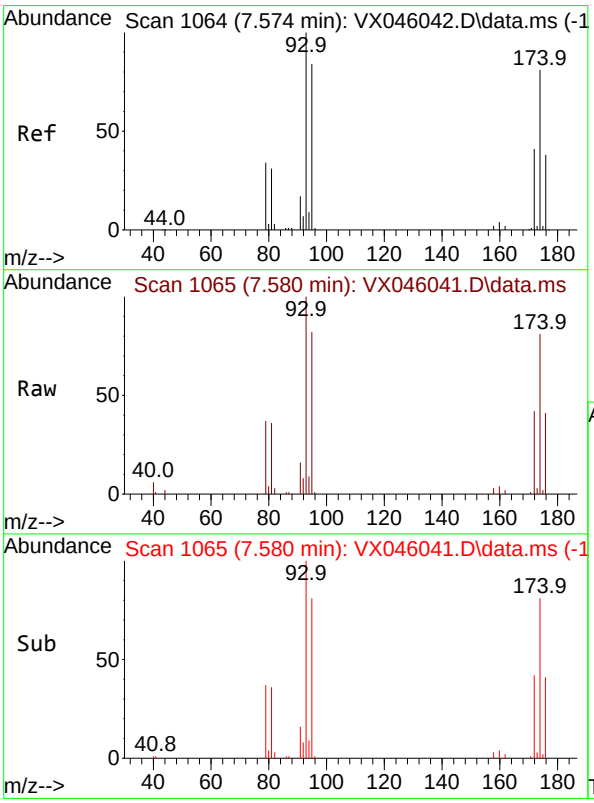

#45
1,2-Dichloropropane
Concen: 14.204 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 63 Resp: 20940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.1 | 24.1 | 36.1 |

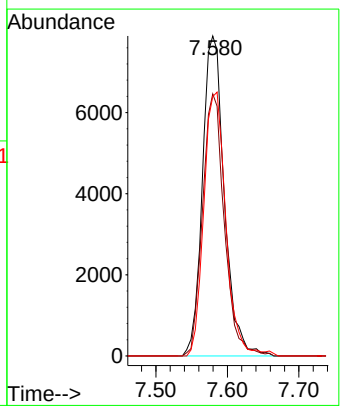


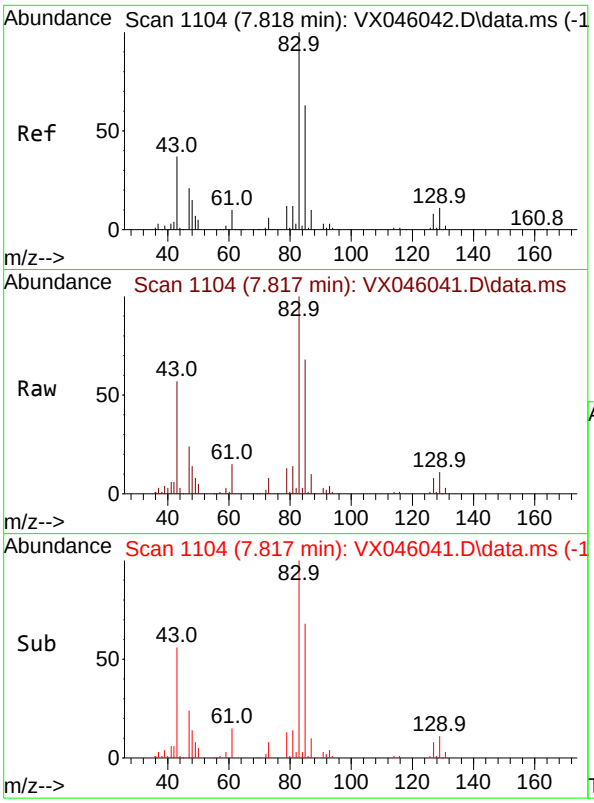




#46
Dibromomethane
Concen: 14.439 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 93 Resp: 16781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.5 | 65.6 | 98.4 |
| 174 | 83.1 | 68.2 | 102.2 |



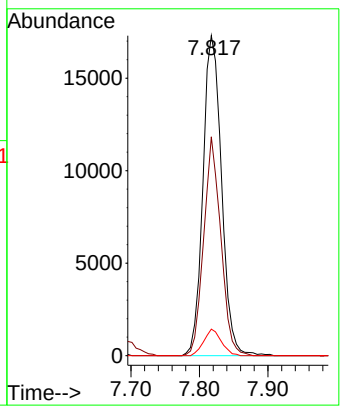


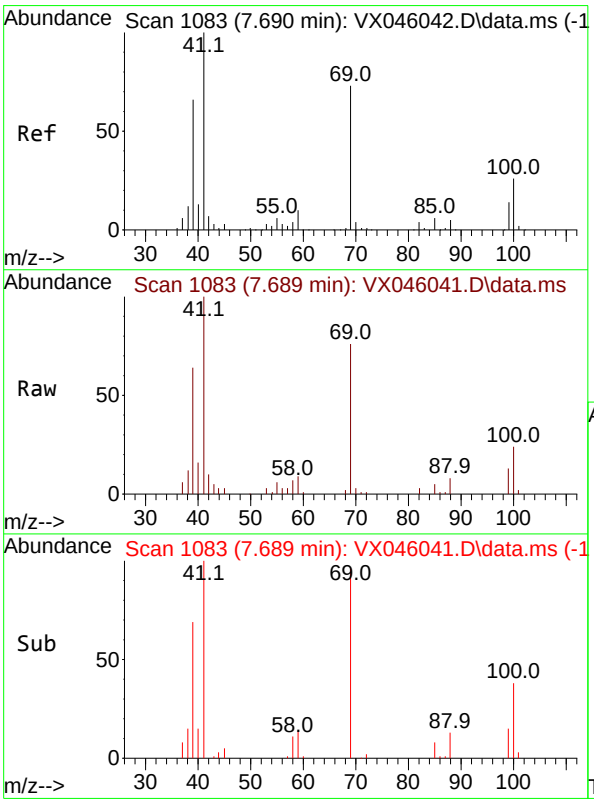

#47
Bromodichloromethane
Concen: 14.545 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 83 Resp: 32762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.4 | 50.5 | 75.7 |
| 127 | 8.3 | 6.5 | 9.7 |

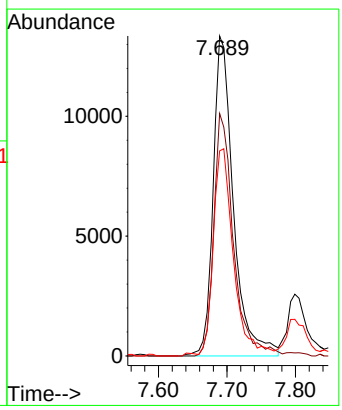


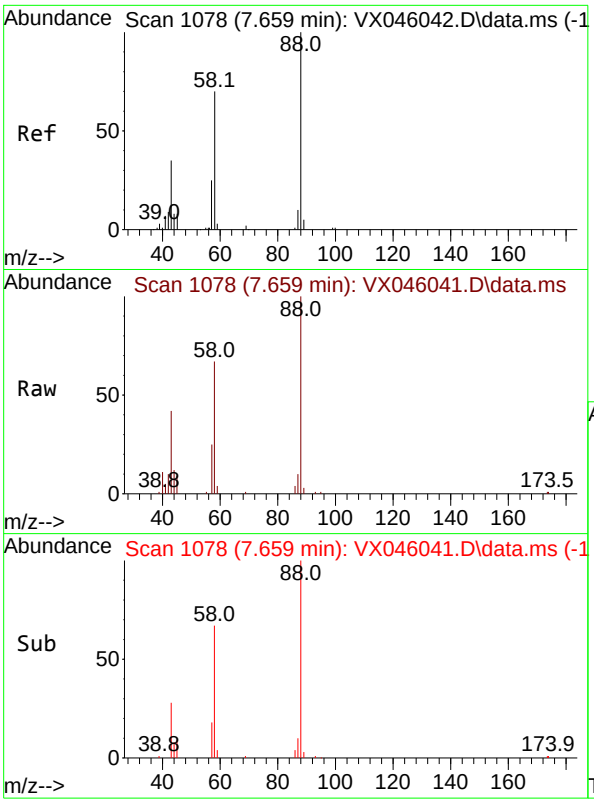




#48
Methyl methacrylate
Concen: 14.521 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 27374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 73.5 | 58.5 | 87.7 |
| 39 | 64.9 | 51.7 | 77.5 |



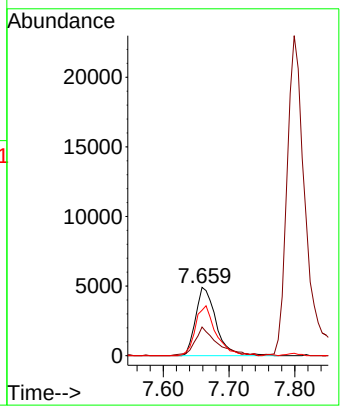


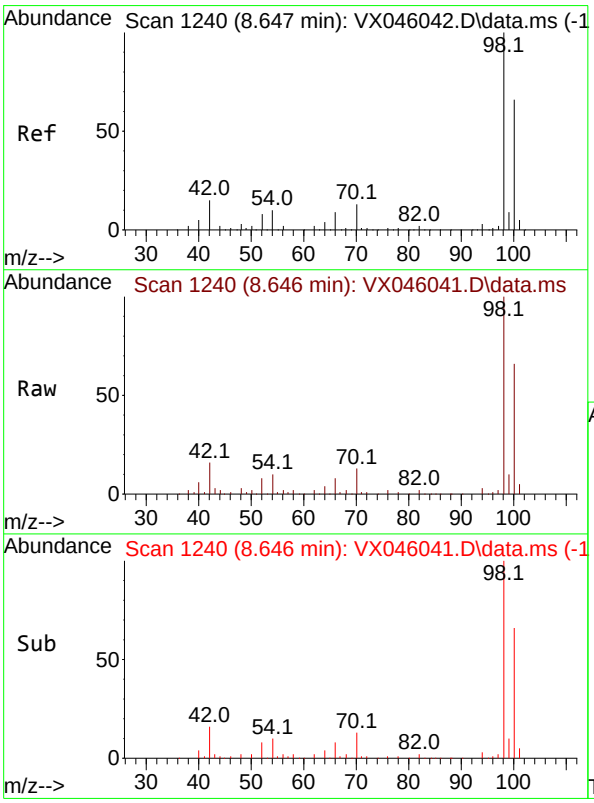

#49
1,4-Dioxane
Concen: 282.442 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 88 Resp: 10585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 45.5 | 33.4 | 50.2 |
| 58 | 73.6 | 58.6 | 88.0 |

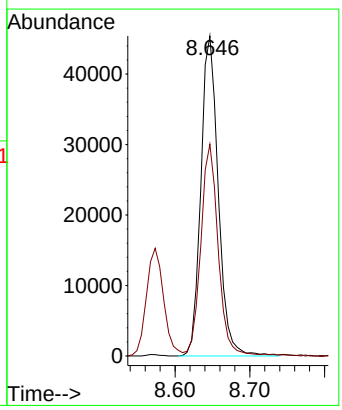


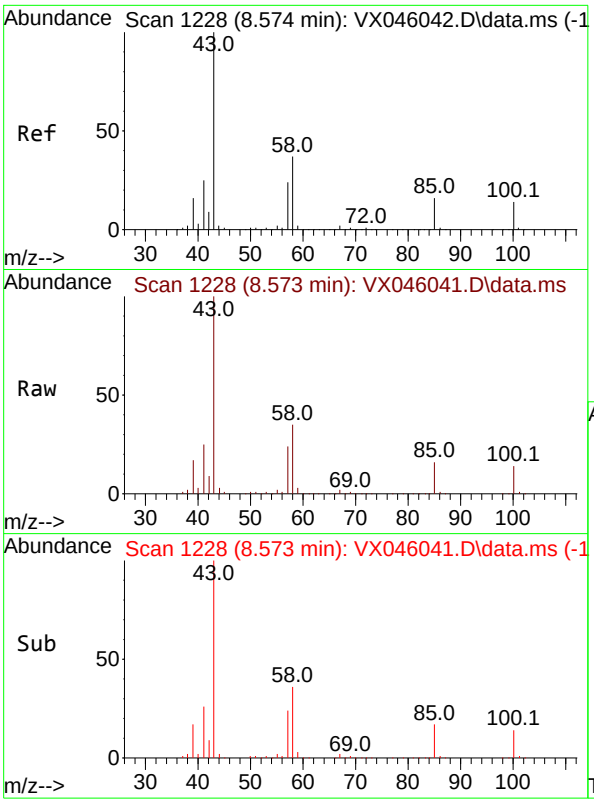




#50
Toluene-d8
Concen: 13.200 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 98 Resp: 73333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 53.5 | 80.3 |



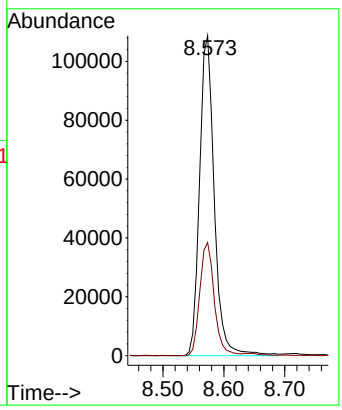


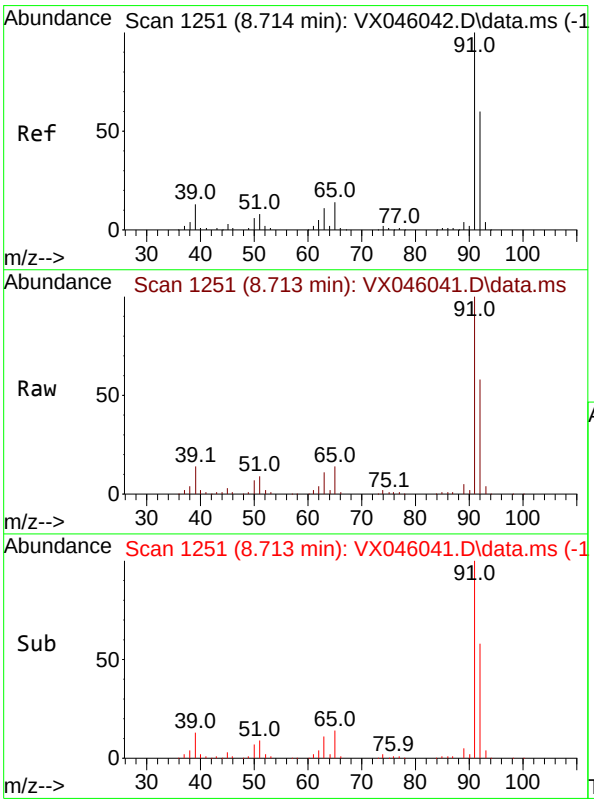

#51
4-Methyl-2-Pentanone
Concen: 75.775 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 43 Resp: 182455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.8 | 28.9 | 43.3 |

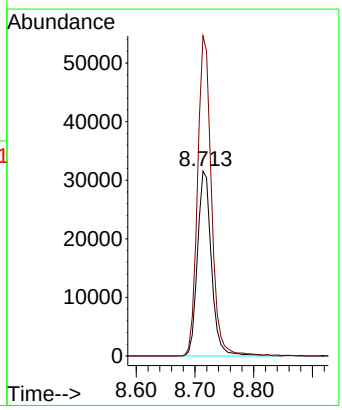


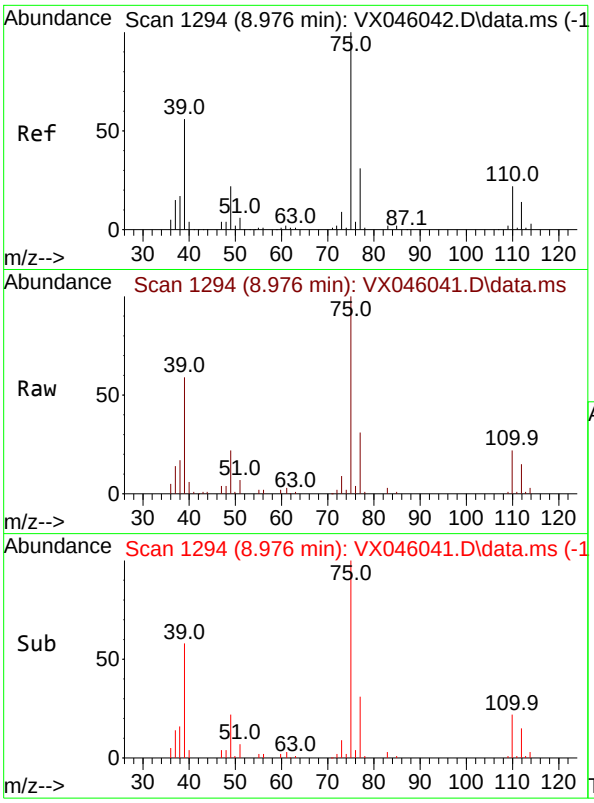




#52
Toluene
Concen: 14.788 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 92 Resp: 52030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.2 | 136.6 | 205.0 |



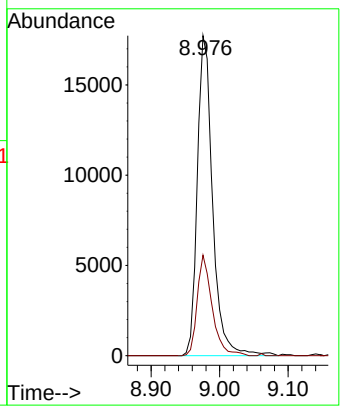


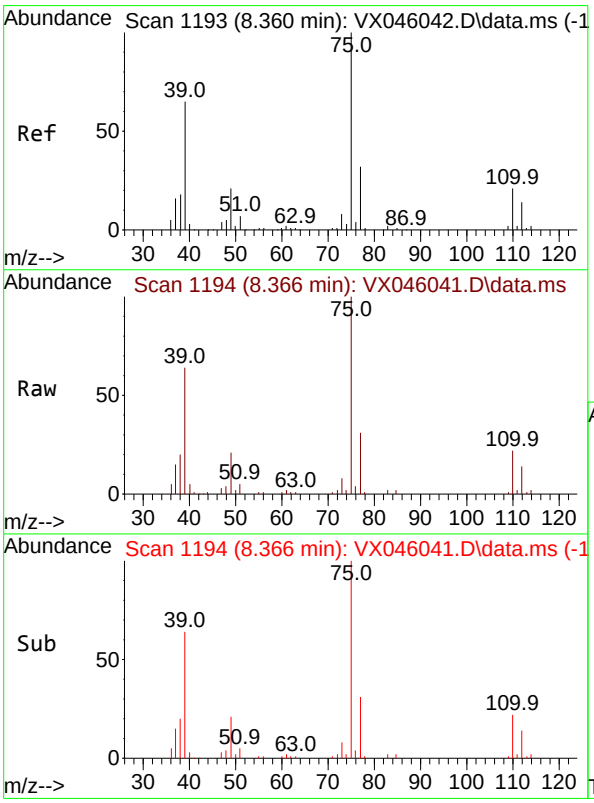

#53
t-1,3-Dichloropropene
Concen: 14.566 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 75 Resp: 27549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.0 | 37.6 |

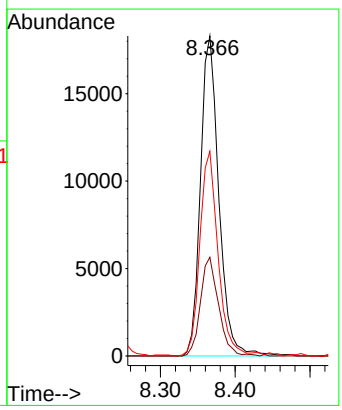


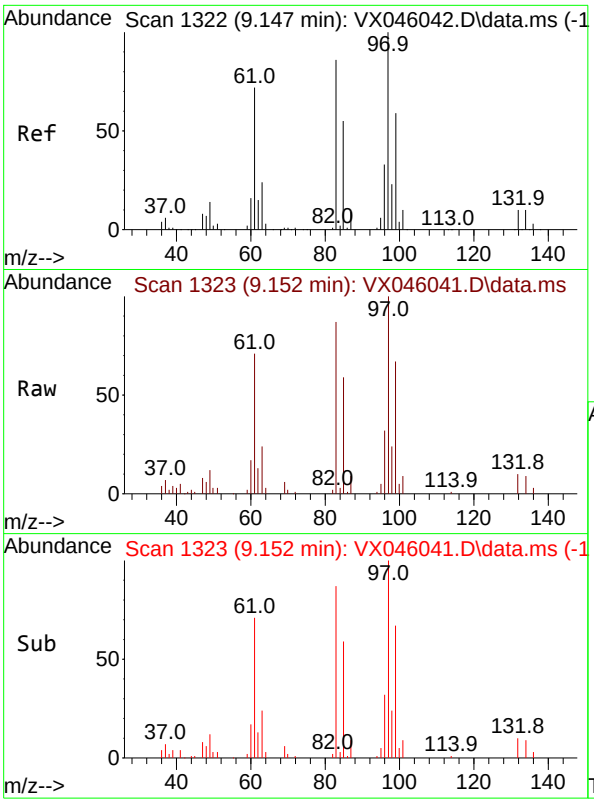




#54
cis-1,3-Dichloropropene
Concen: 14.154 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 31226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.8 | 25.4 | 38.0 |
| 39 | 64.0 | 52.2 | 78.4 |



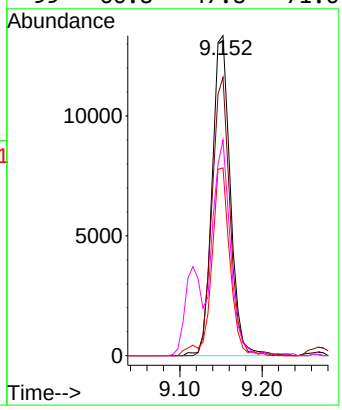


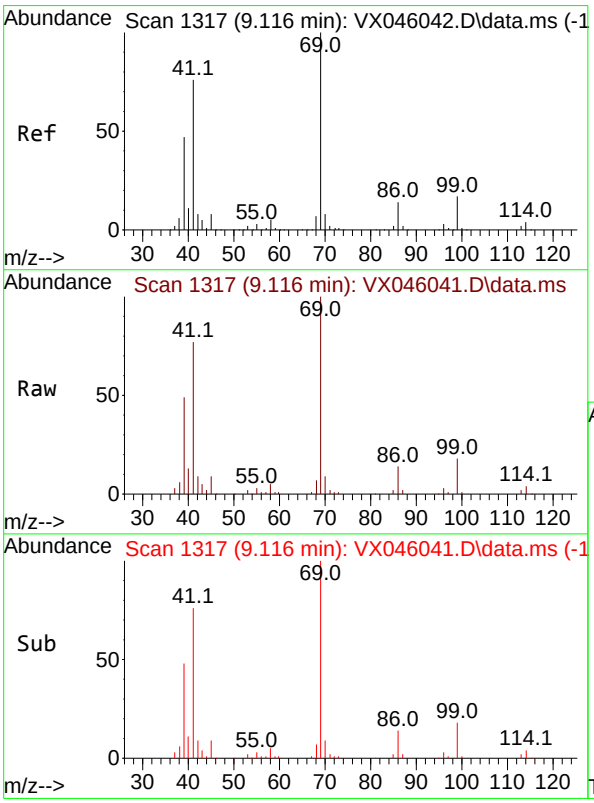

#55
1,1,2-Trichloroethane
Concen: 14.442 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 97 Resp: 20536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.0 | 69.0 | 103.6 |
| 85 | 58.7 | 44.3 | 66.5 |
| 99 | 66.8 | 47.8 | 71.6 |

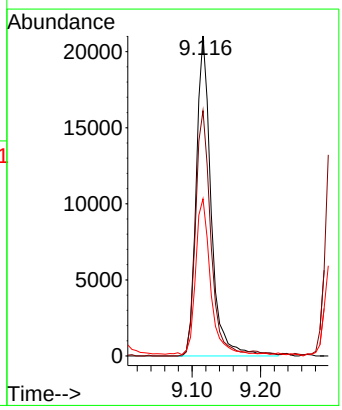


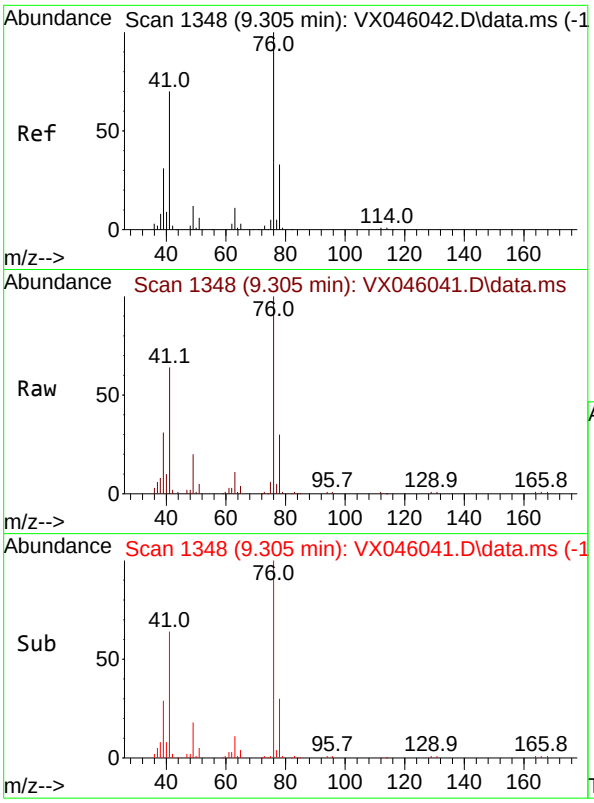




#56
Ethyl methacrylate
Concen: 14.425 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 69 Resp: 31787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 78.2 | 60.8 | 91.2 |
| 39 | 49.3 | 39.0 | 58.6 |



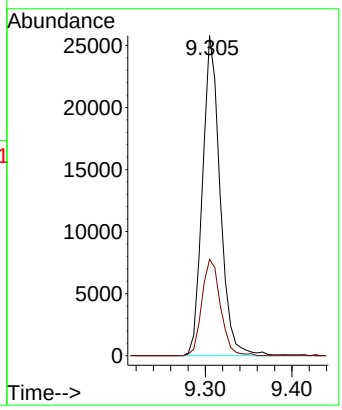


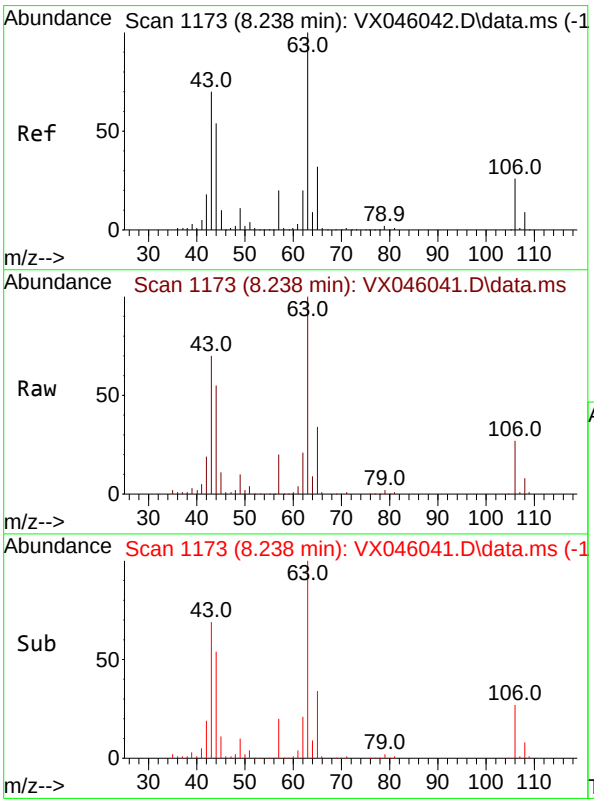

#57
1,3-Dichloropropane
Concen: 14.417 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 76 Resp: 36341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.8 | 26.3 | 39.5 |

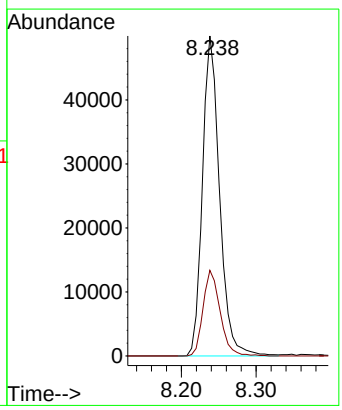


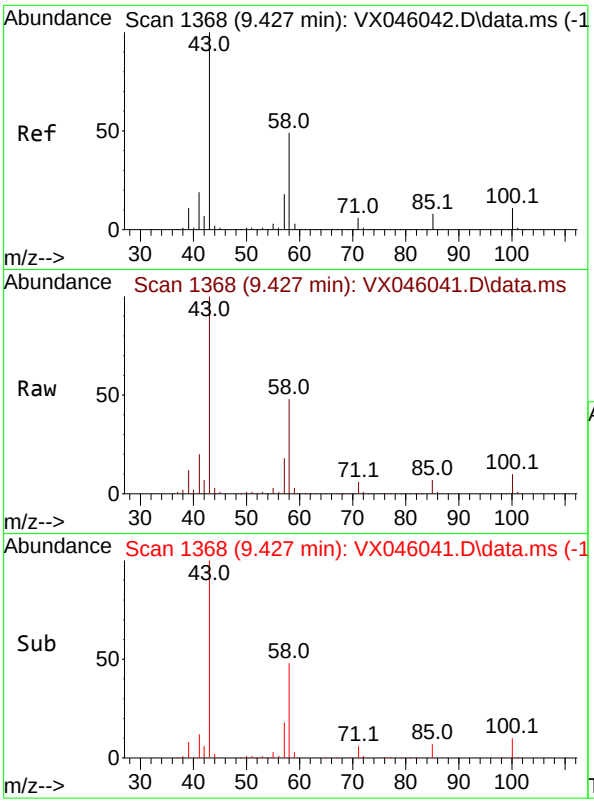




#58
2-Chloroethyl Vinyl ether
Concen: 80.312 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 79531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.7 | 21.5 | 32.3 |



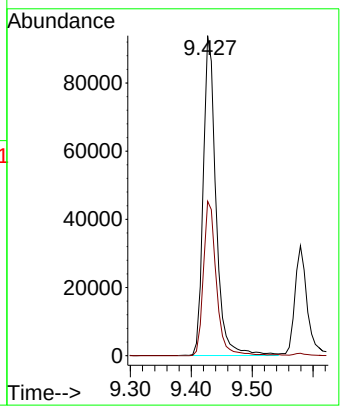


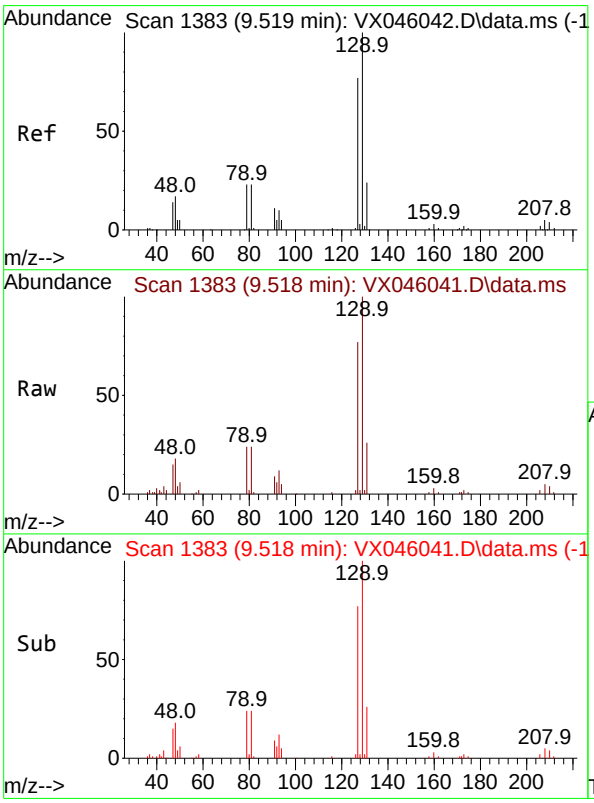

#59
2-Hexanone
Concen: 74.997 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 43 Resp: 137054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 48.7 | 24.9 | 74.6 |

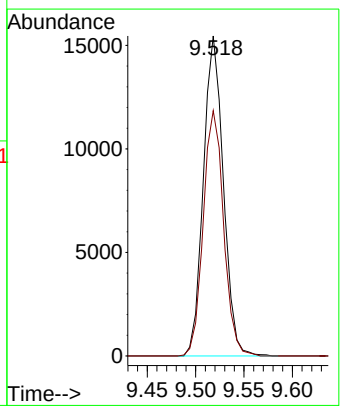


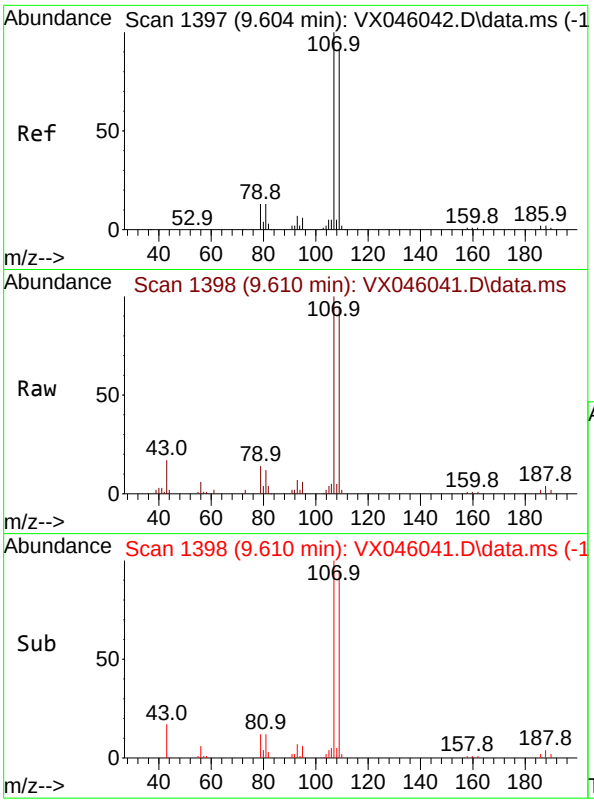




#60
Dibromochloromethane
Concen: 14.387 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:129 Resp: 22267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.0 | 39.3 | 117.8 |



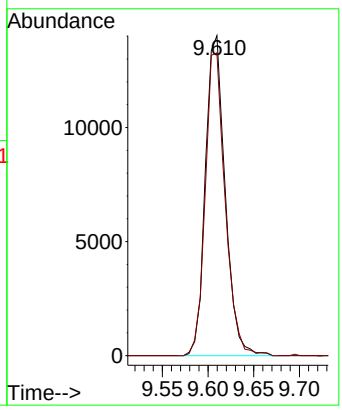


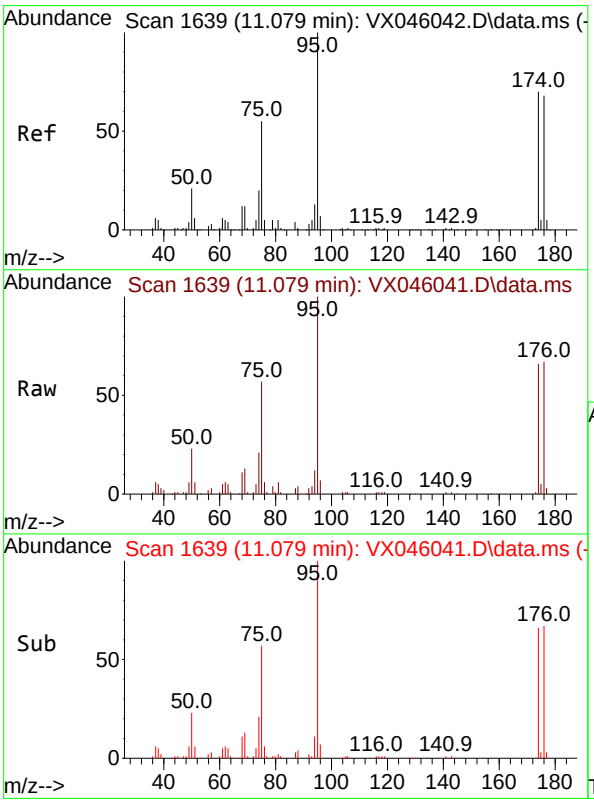

#61
1,2-Dibromoethane
Concen: 14.458 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:107 Resp: 21113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.3 | 73.3 | 109.9 |

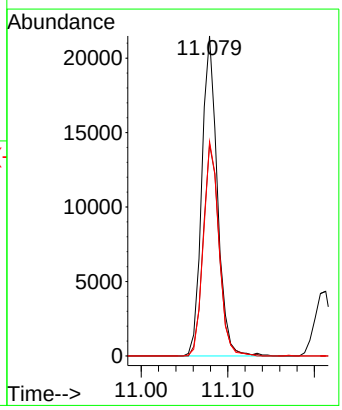


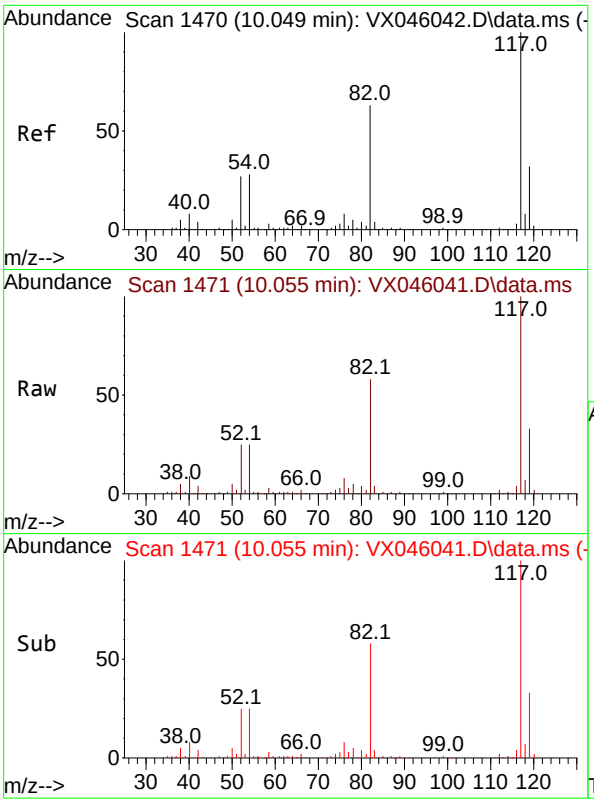




#62
4-Bromofluorobenzene
Concen: 13.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 95 Resp: 26760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.4 | 0.0 | 135.8 |
| 176 | 67.0 | 0.0 | 131.4 |



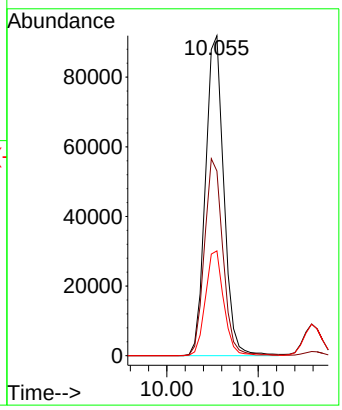


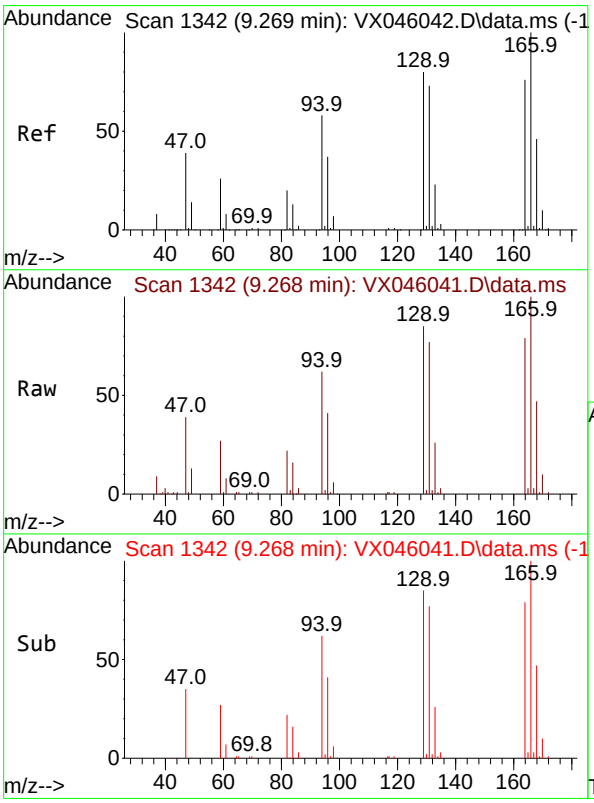

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:117 Resp: 127829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.7 | 50.6 | 76.0 |
| 119 | 32.7 | 25.8 | 38.6 |

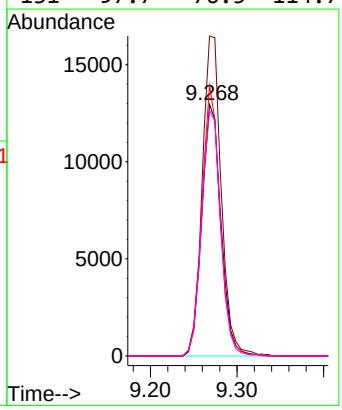


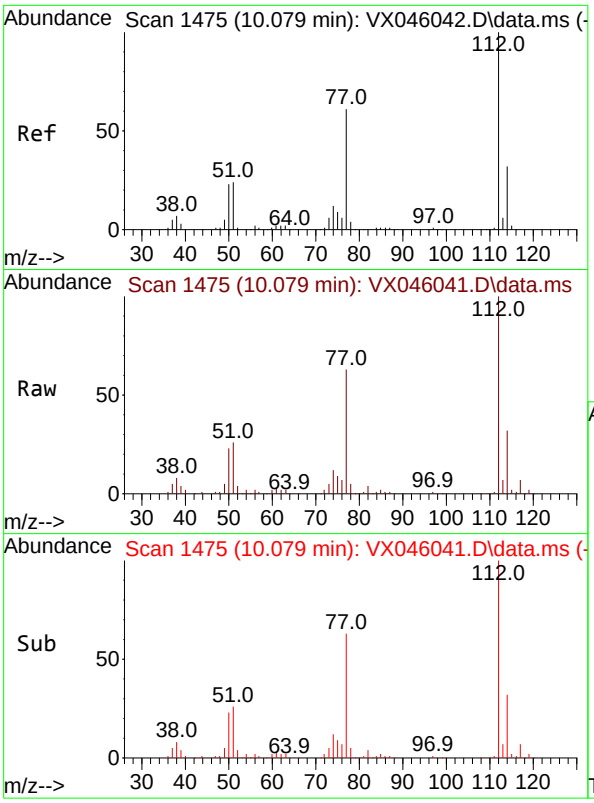




#64
Tetrachloroethene
Concen: 15.263 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:164 Resp: 19924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.2 | 105.0 | 157.6 |
| 129 | 107.6 | 83.5 | 125.3 |
| 131 | 97.7 | 76.5 | 114.7 |



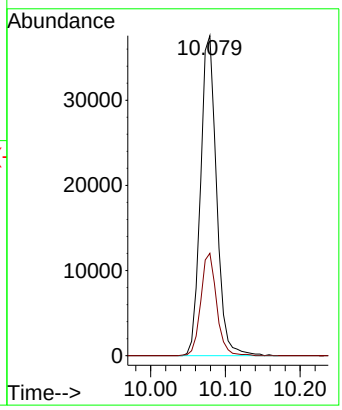


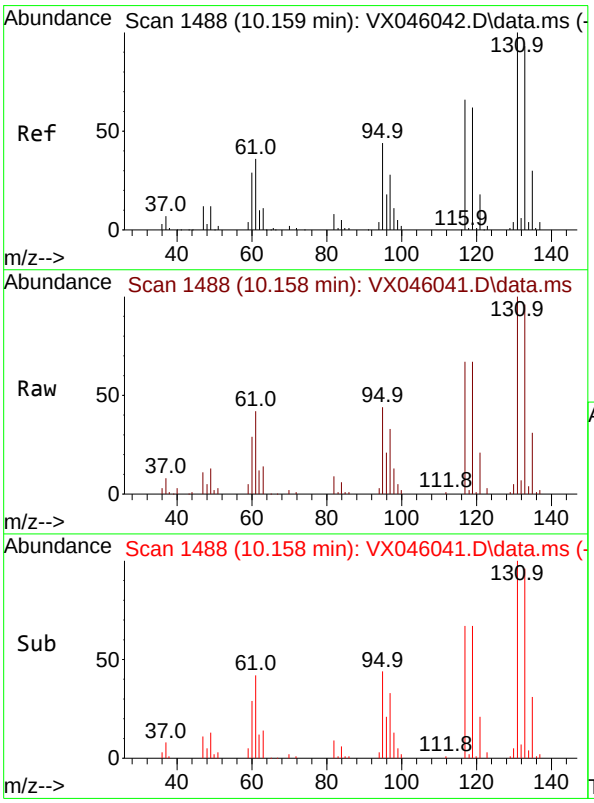

#65
Chlorobenzene
Concen: 14.202 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:112 Resp: 55863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 25.4 | 38.2 |

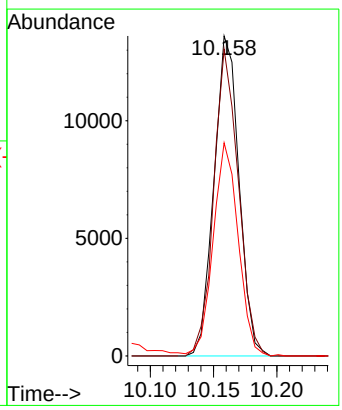


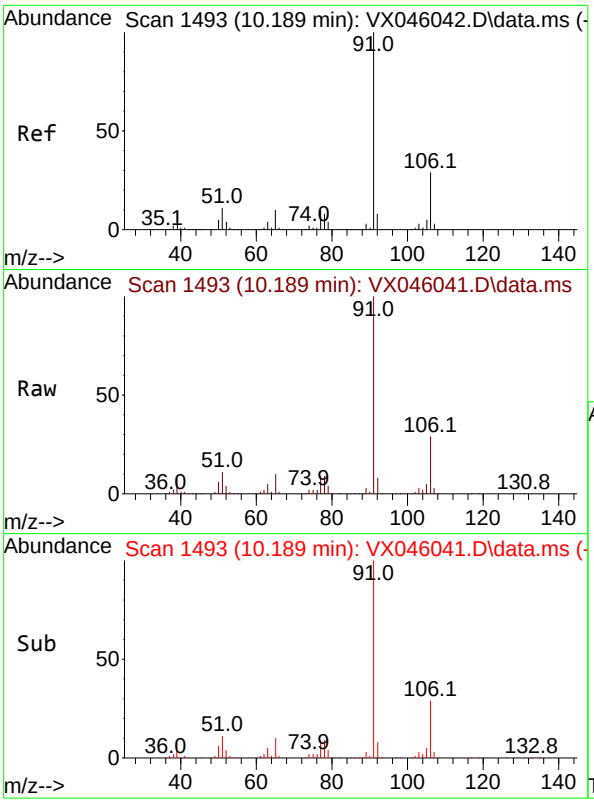




#66
1,1,1,2-Tetrachloroethane
Concen: 14.231 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:131 Resp: 18671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.5 | 47.3 | 141.9 |
| 119 | 66.7 | 31.6 | 95.0 |



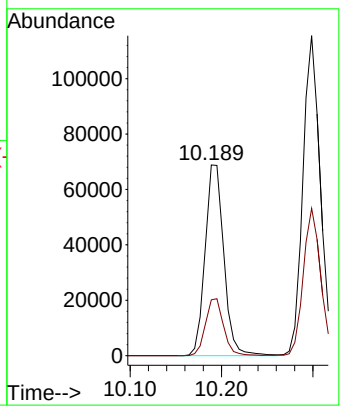


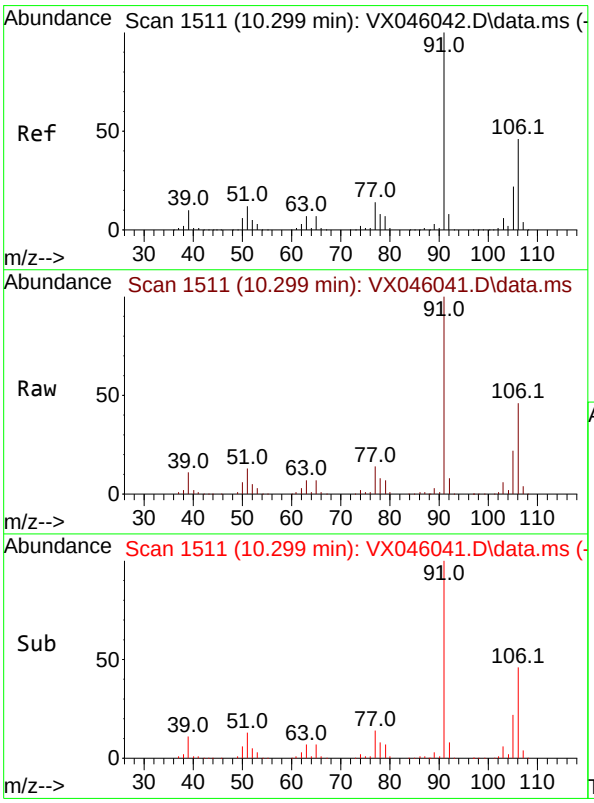

#67
Ethyl Benzene
Concen: 14.631 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 91 Resp: 98113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.3 | 23.4 | 35.2 |

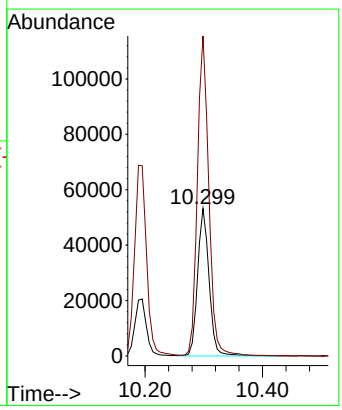


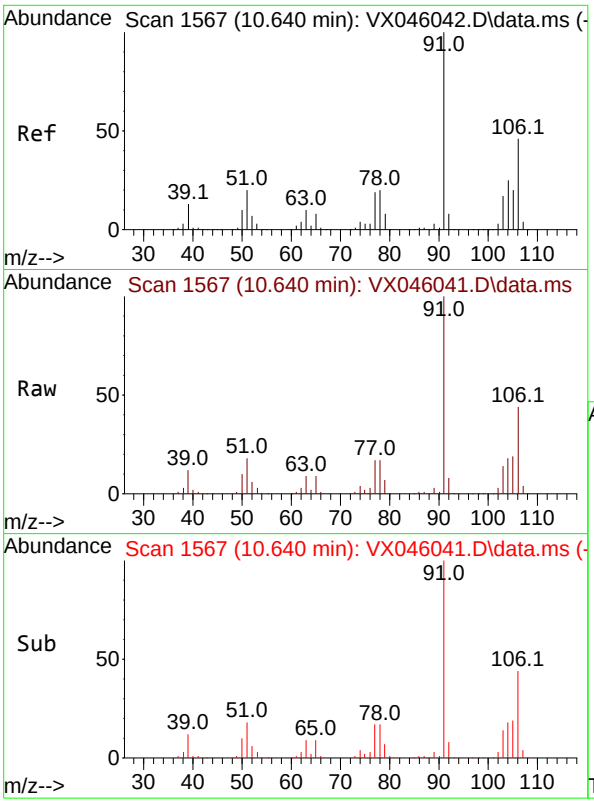




#68
m/p-Xylenes
Concen: 29.806 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:106 Resp: 72202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.1 | 171.2 | 256.8 |



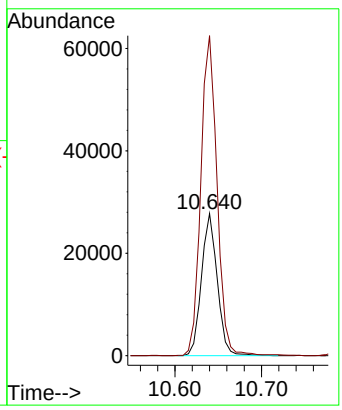


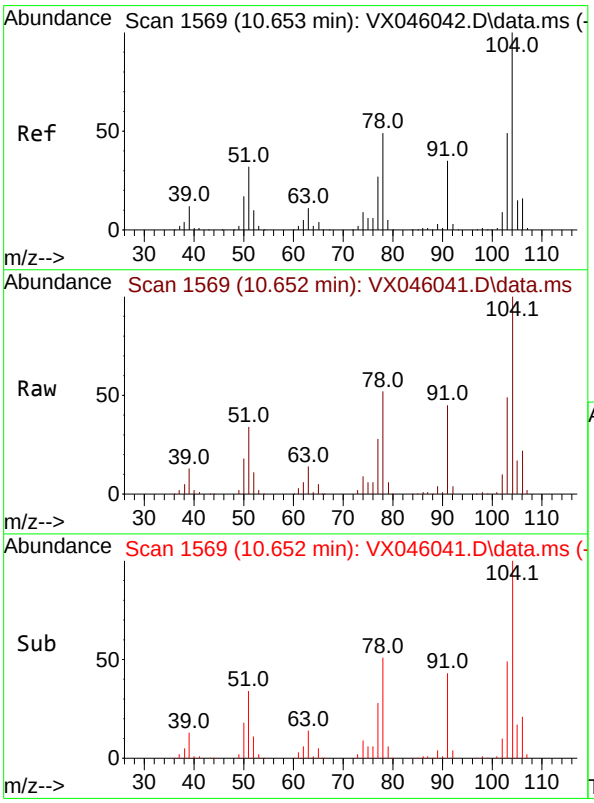

#69
o-Xylene
Concen: 14.408 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:106 Resp: 35178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 231.7 | 112.7 | 338.1 |

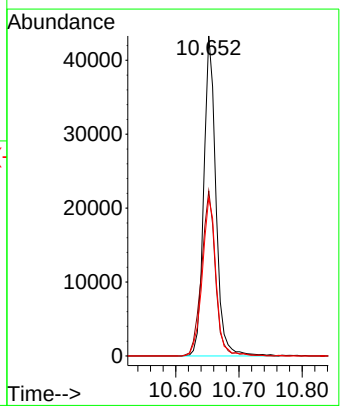


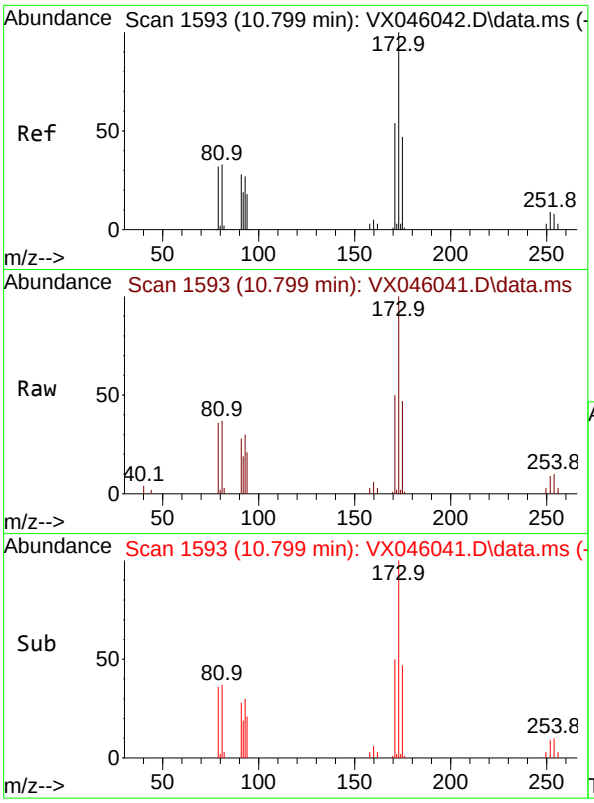




#70
Styrene
Concen: 14.853 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:104 Resp: 58034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 58.7 | 45.7 | 68.5 |
| 103 | 55.6 | 43.7 | 65.5 |



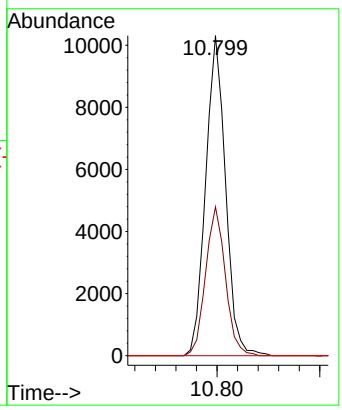


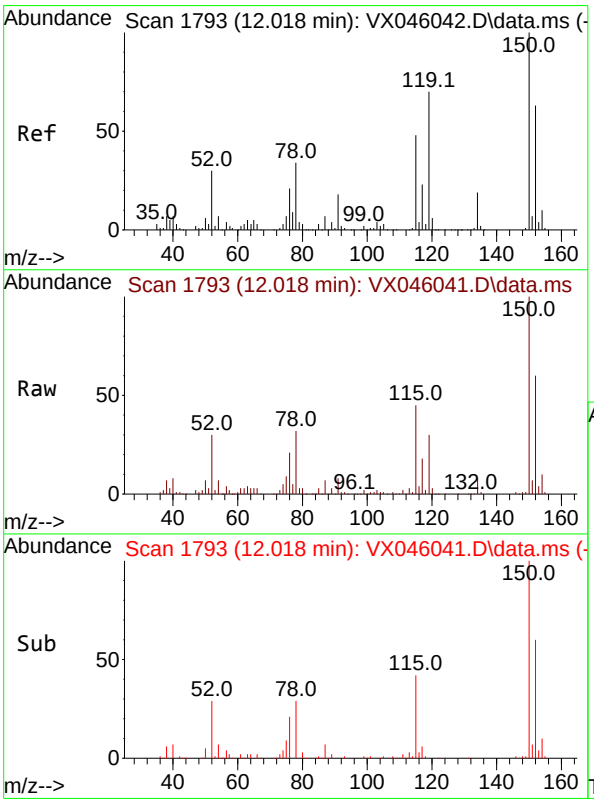

#71
Bromoform
Concen: 14.030 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:173 Resp: 13825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.4 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |

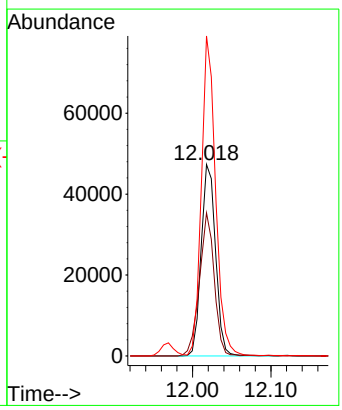


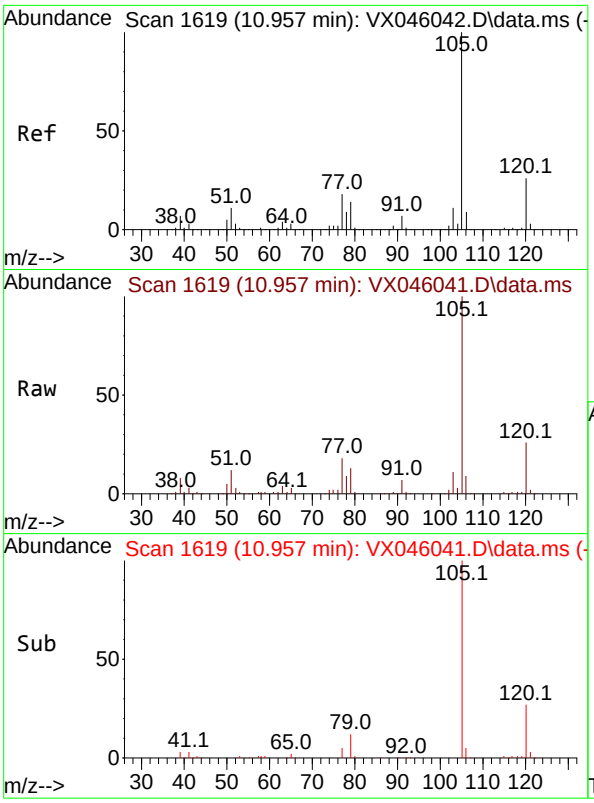




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:152 Resp: 60503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 76.6 | 46.9 | 140.7 |
| 150 | 163.6 | 0.0 | 351.0 |



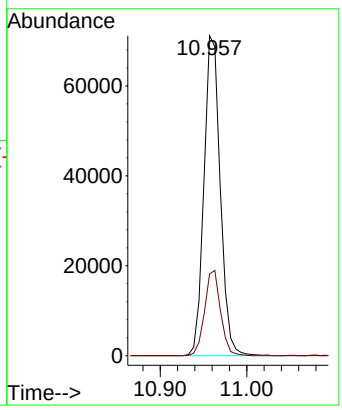


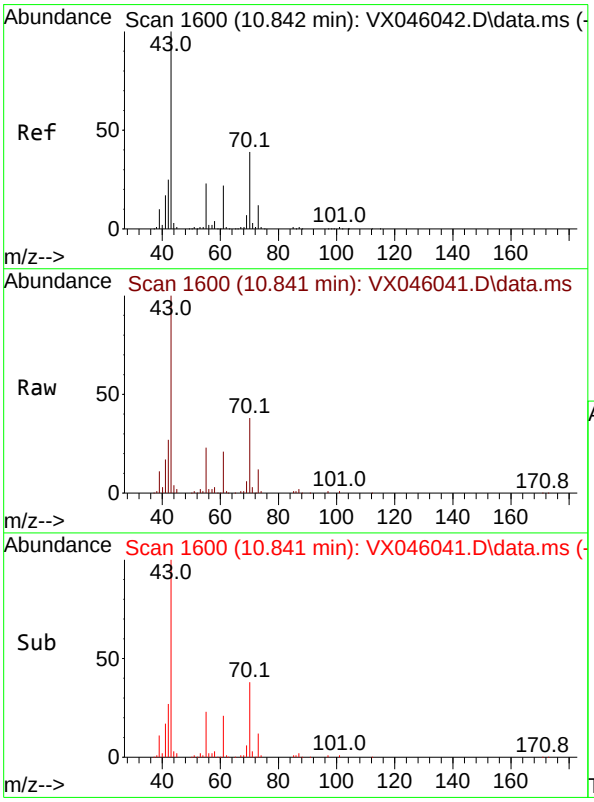

#73
Isopropylbenzene
Concen: 14.096 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:105 Resp: 93013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.1 | 12.8 | 38.4 |

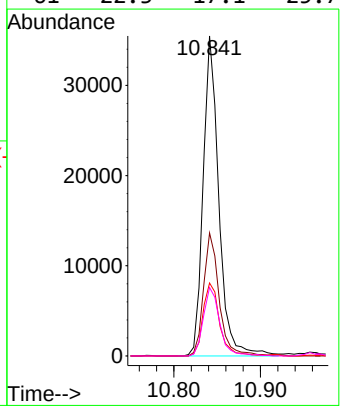


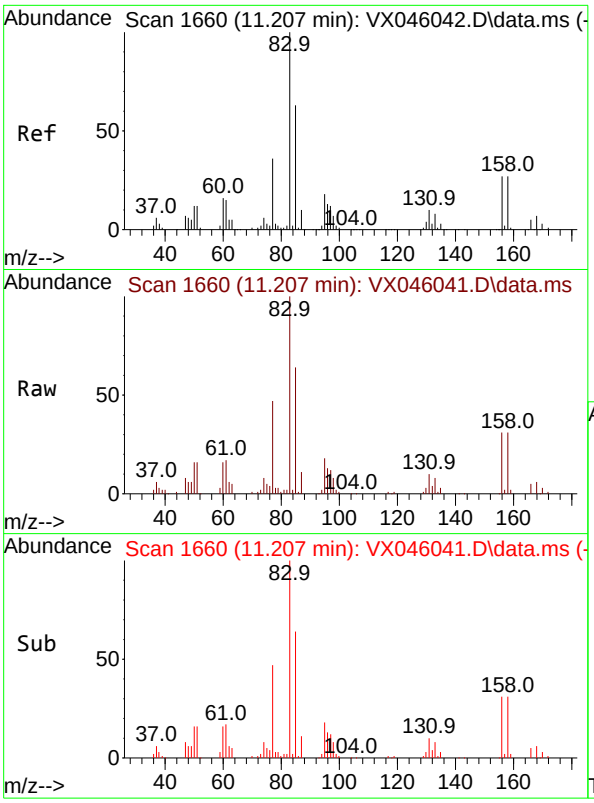




#74
N-amyl acetate
Concen: 13.581 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 44684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.5 | 30.9 | 46.3 |
| 55 | 24.1 | 18.7 | 28.1 |
| 61 | 22.3 | 17.1 | 25.7 |



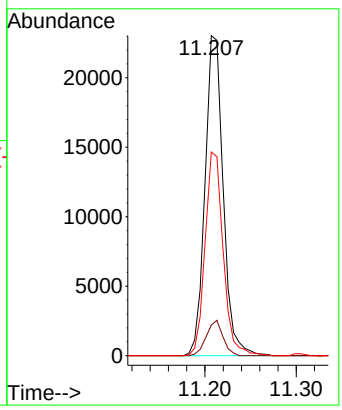


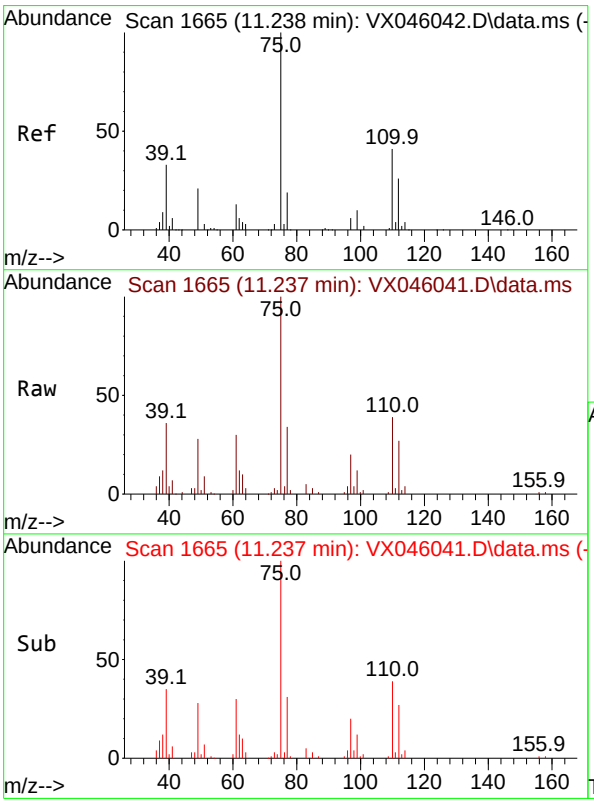

#75
1,1,2,2-Tetrachloroethane
Concen: 13.560 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 83 Resp: 31830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.0 | 14.9 |
| 85 | 63.3 | 31.9 | 95.7 |

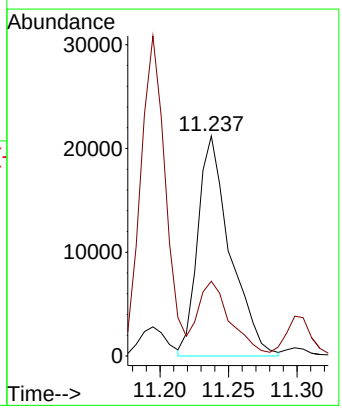


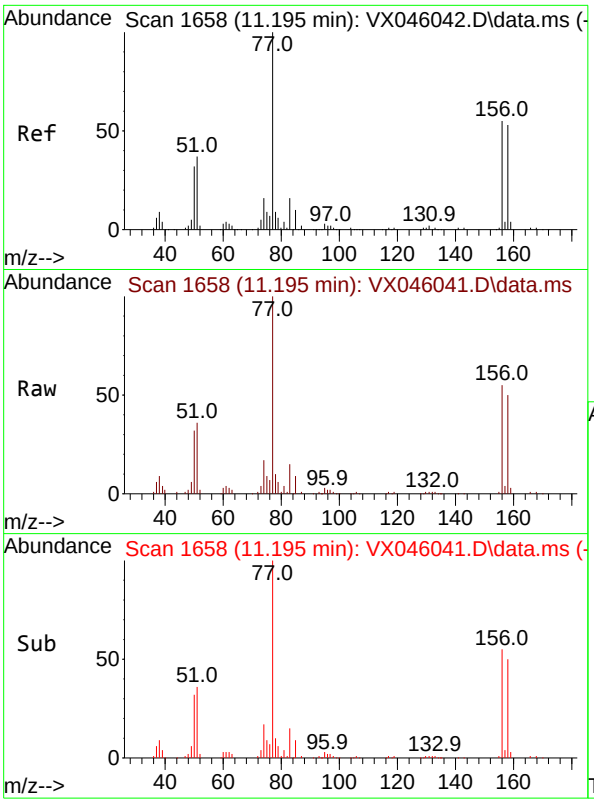




#76
1,2,3-Trichloropropane
Concen: 13.811 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 34837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.4 | 20.5 | 61.5 |



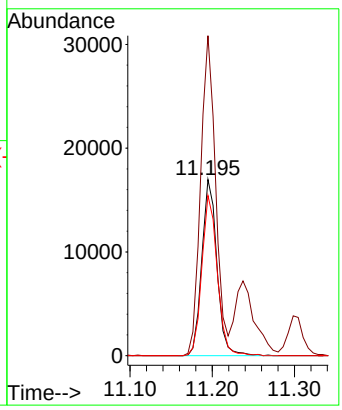


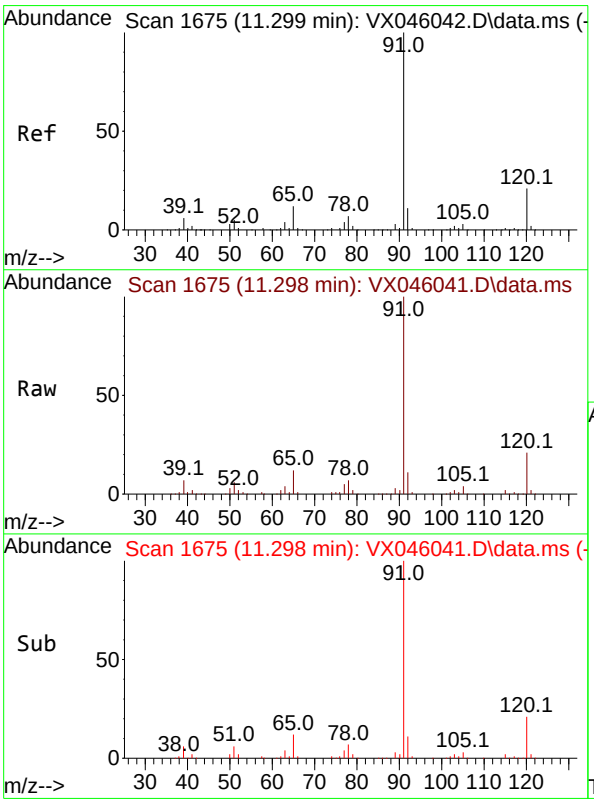

#77
Bromobenzene
Concen: 14.212 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:156 Resp: 21695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 179.9 | 92.8 | 278.3 |
| 158 | 93.1 | 48.8 | 146.3 |

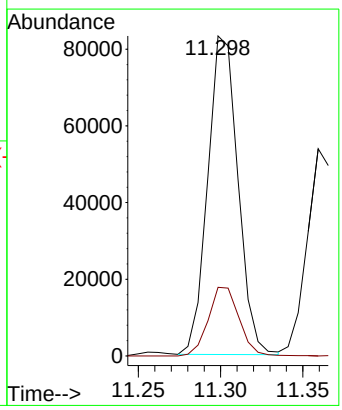


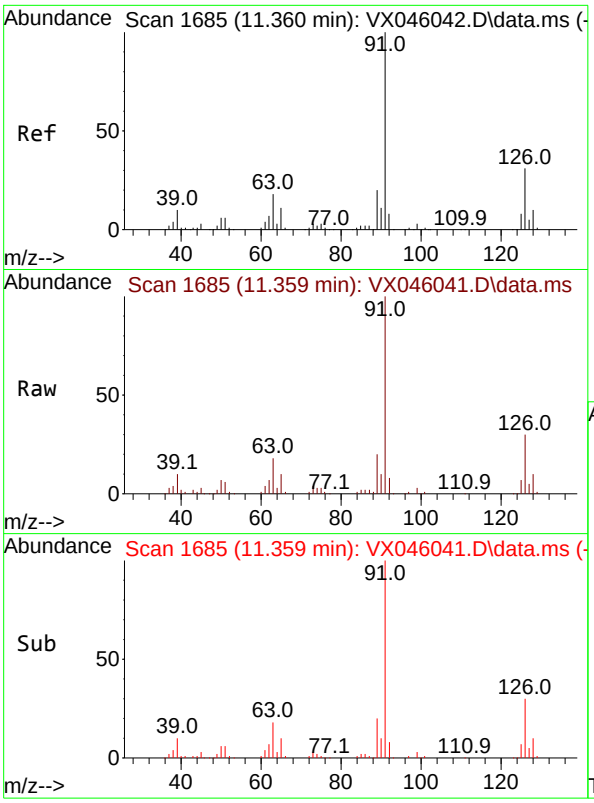




#78
n-propylbenzene
Concen: 14.376 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 106337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.0 | 10.8 | 32.4 |



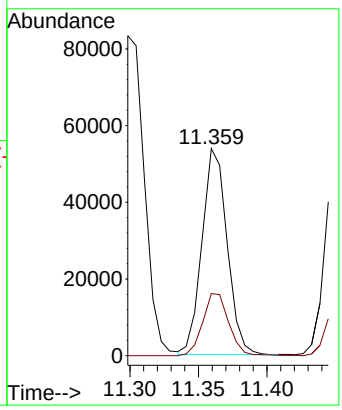


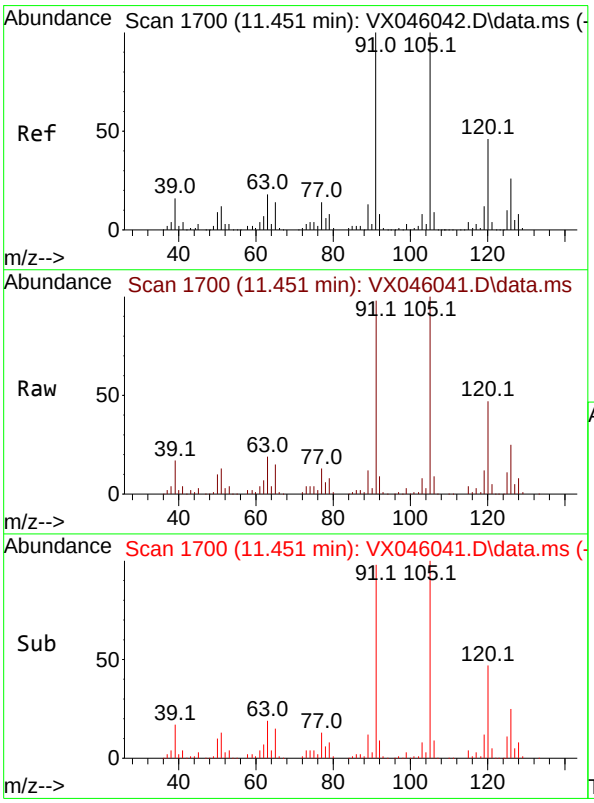

#79
2-Chlorotoluene
Concen: 13.748 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 91 Resp: 68534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.4 | 15.6 | 46.7 |

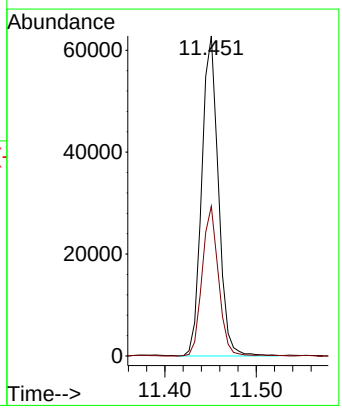


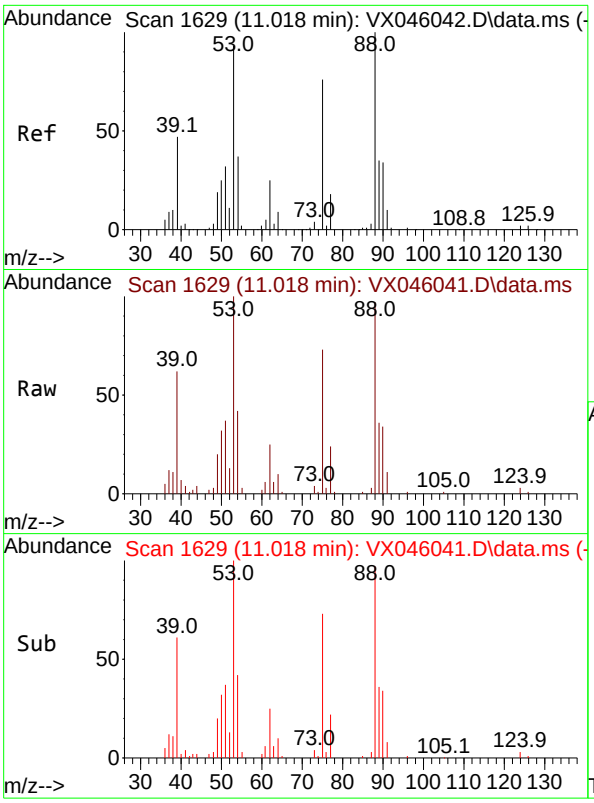




#80
1,3,5-Trimethylbenzene
Concen: 14.468 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.9 | 23.1 | 69.2 |



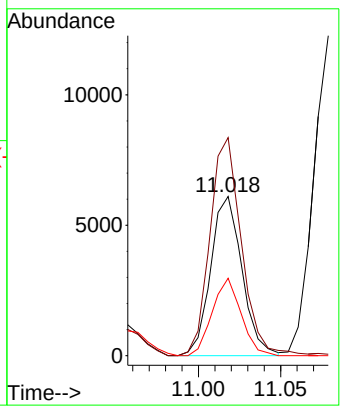


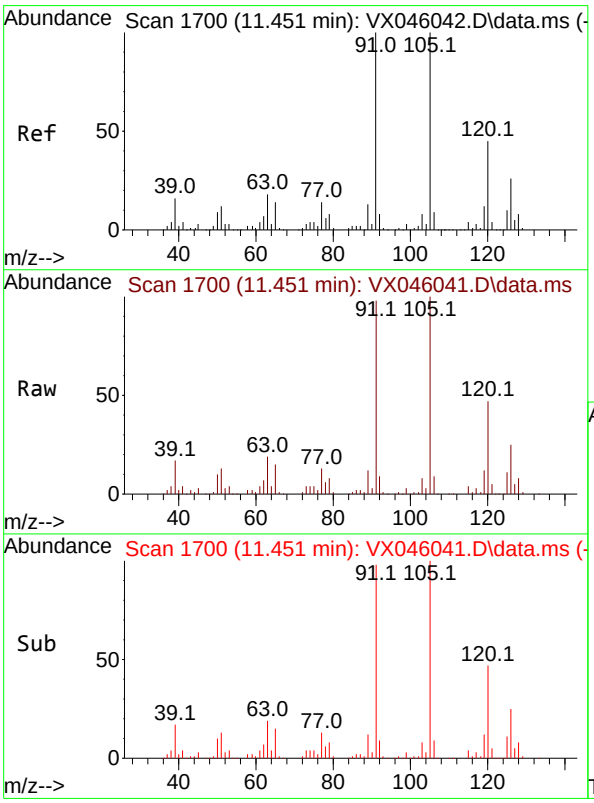

#81
trans-1,4-Dichloro-2-butene
Concen: 13.371 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 75 Resp: 8104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 138.3 | 100.5 | 150.7 |
| 89 | 44.6 | 37.0 | 55.6 |

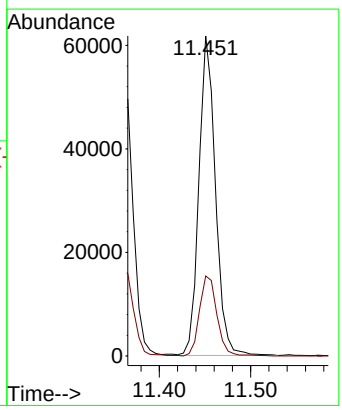


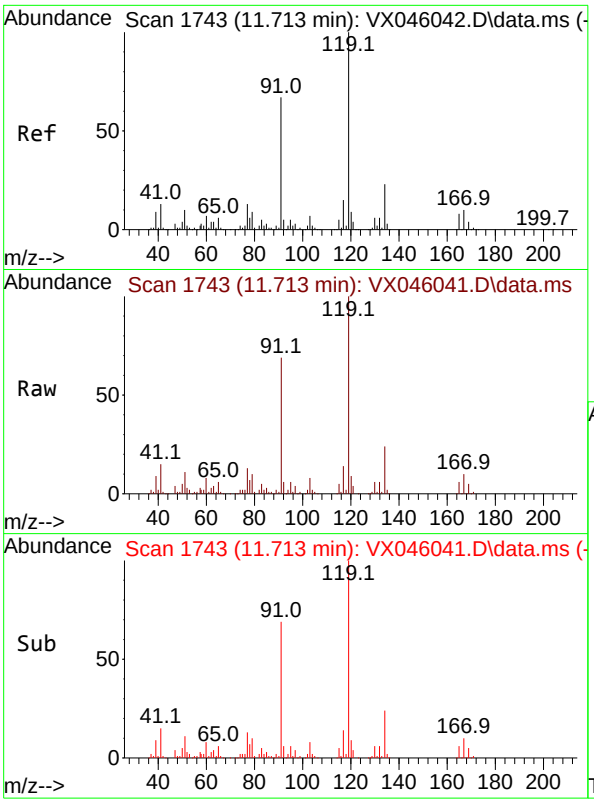




#82
4-Chlorotoluene
Concen: 14.116 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 77338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.5 | 13.3 | 39.8 |



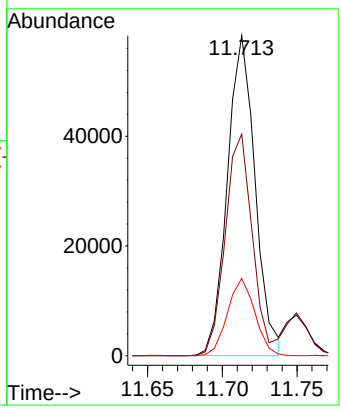


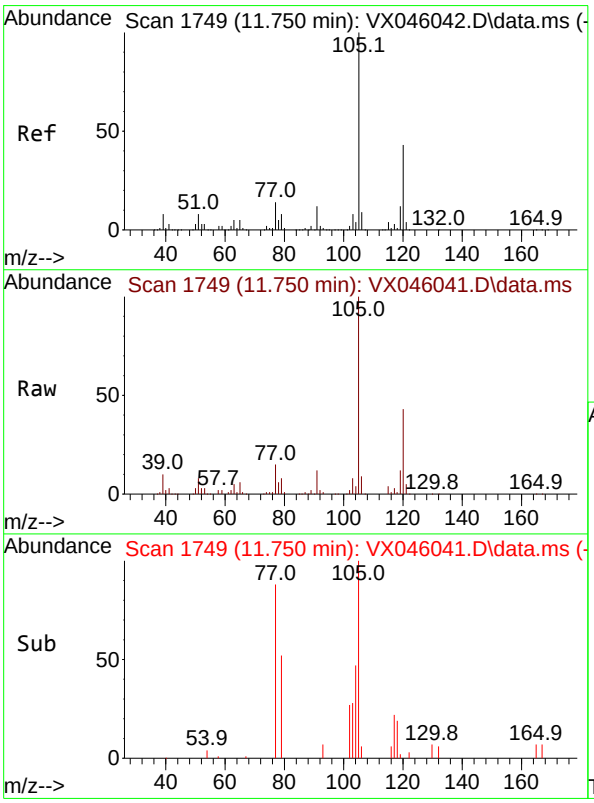

#83
tert-Butylbenzene
Concen: 14.011 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:119 Resp: 75382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.8 | 32.9 | 98.7 |
| 134 | 23.7 | 11.4 | 34.1 |

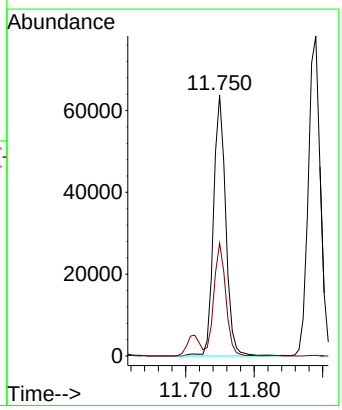


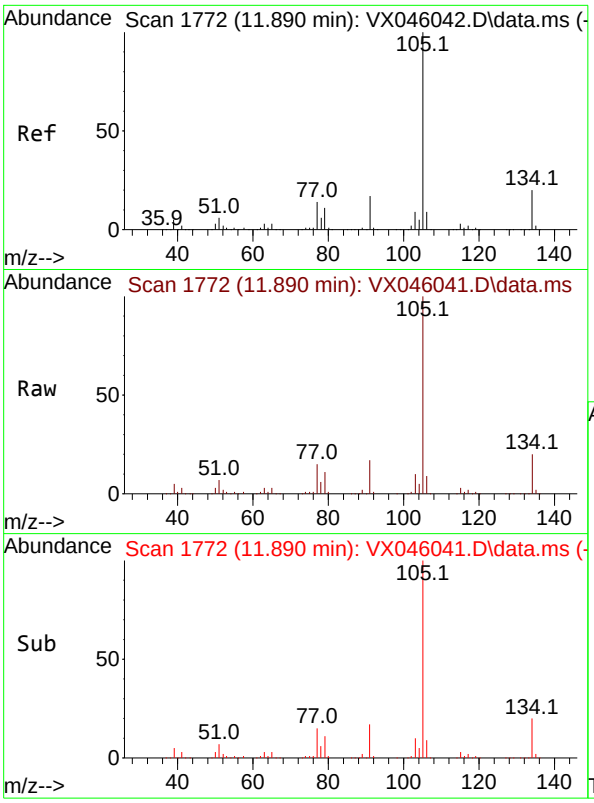




#84
1,2,4-Trimethylbenzene
Concen: 14.480 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.0 | 21.2 | 63.6 |



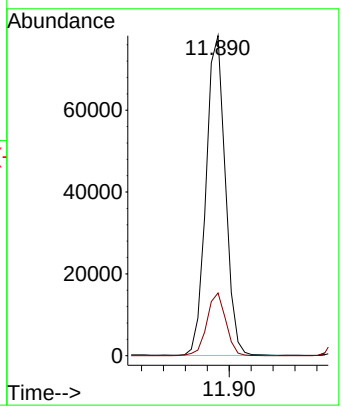


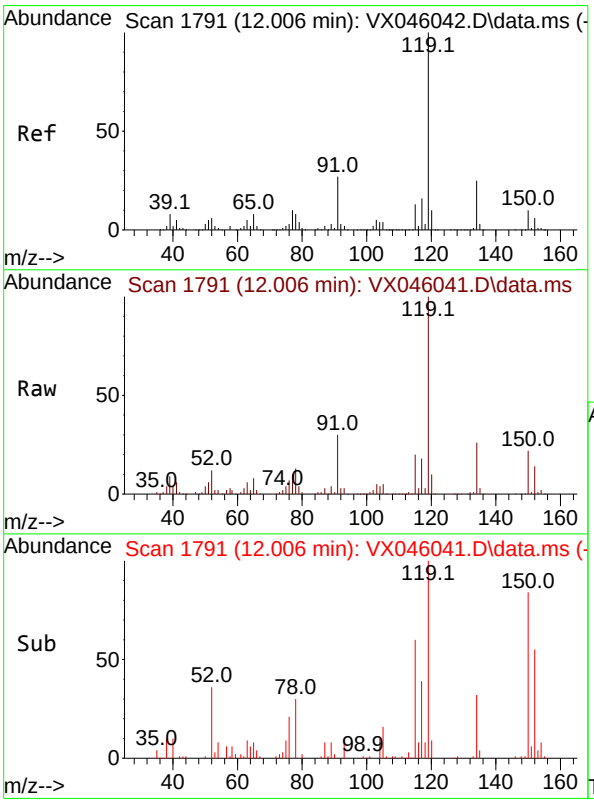

#85
sec-Butylbenzene
Concen: 14.263 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:105 Resp: 95271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.3 | 9.7 | 29.1 |

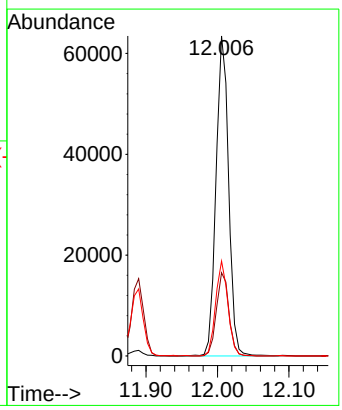


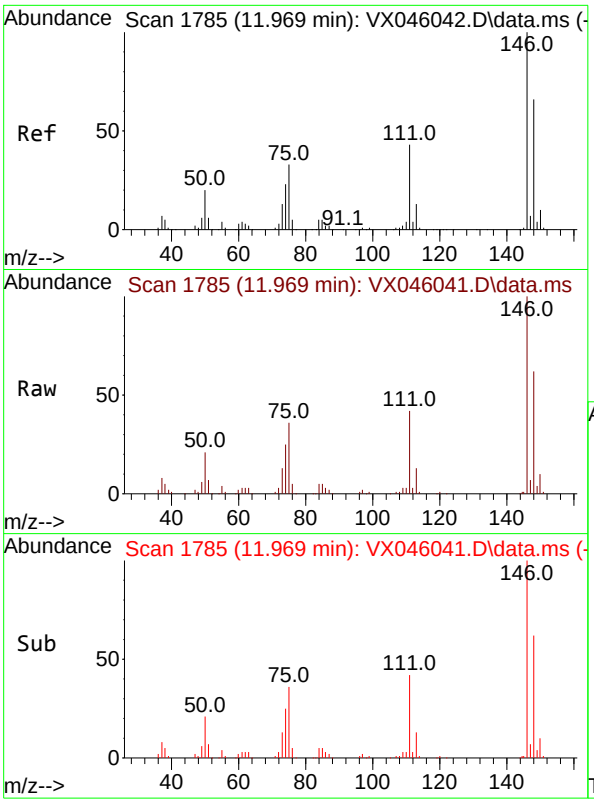




#86
p-Isopropyltoluene
Concen: 14.387 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:119 Resp: 77599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.5 | 37.5 |
| 91 | 28.8 | 13.8 | 41.4 |



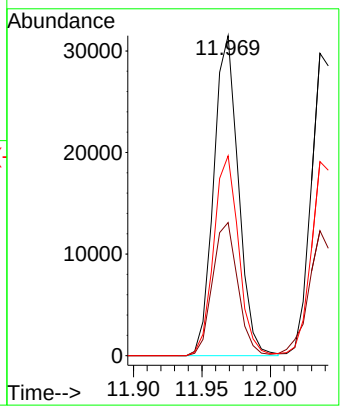


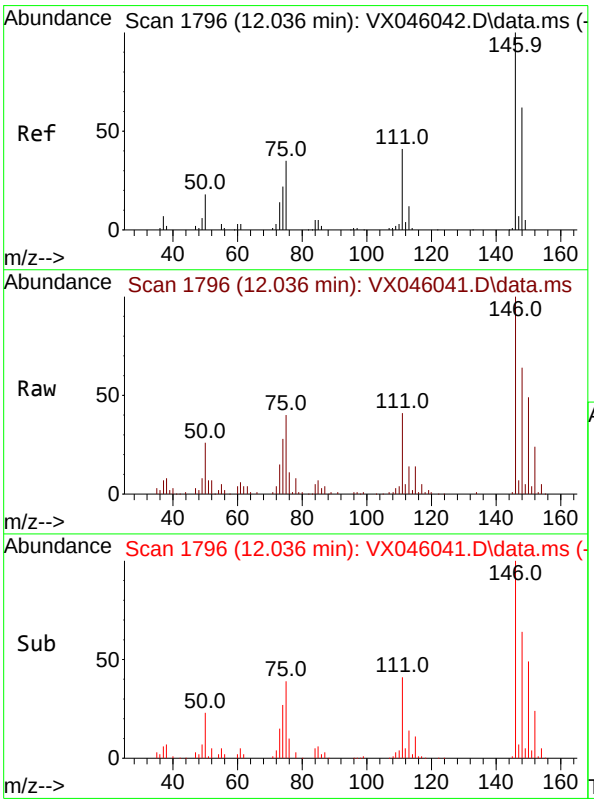

#87
1,3-Dichlorobenzene
Concen: 13.898 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:146 Resp: 39520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 22.1 | 66.3 |
| 148 | 62.9 | 32.1 | 96.5 |

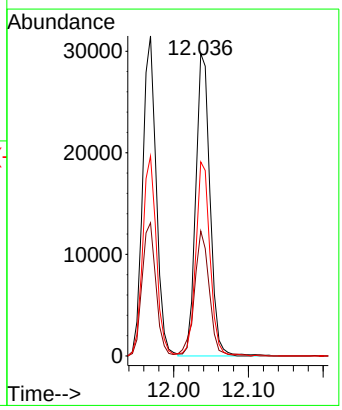


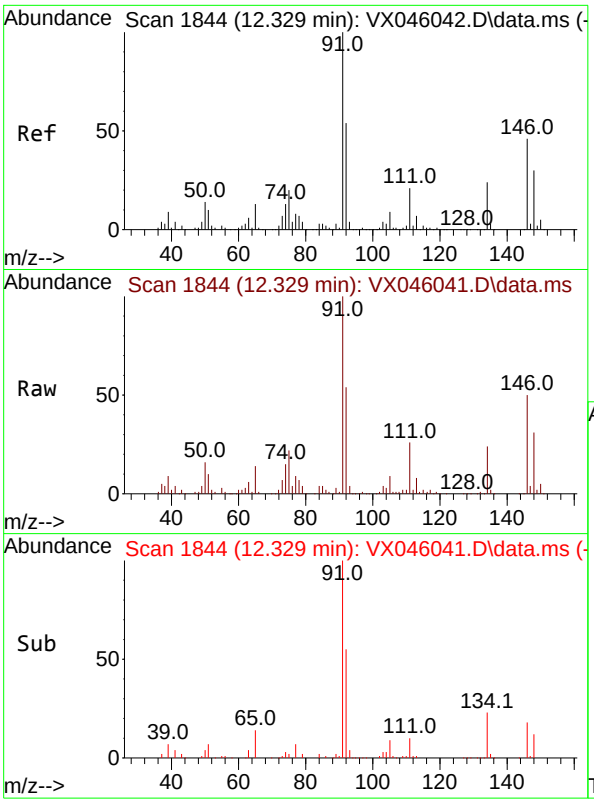




#88
1,4-Dichlorobenzene
Concen: 14.146 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 39419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 21.3 | 63.9 |
| 148 | 64.2 | 31.9 | 95.5 |



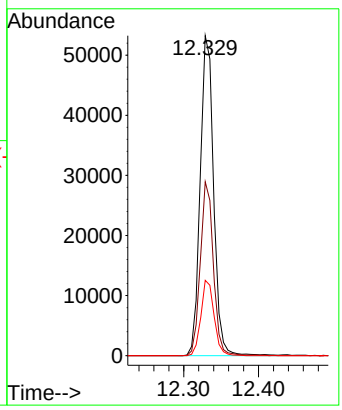


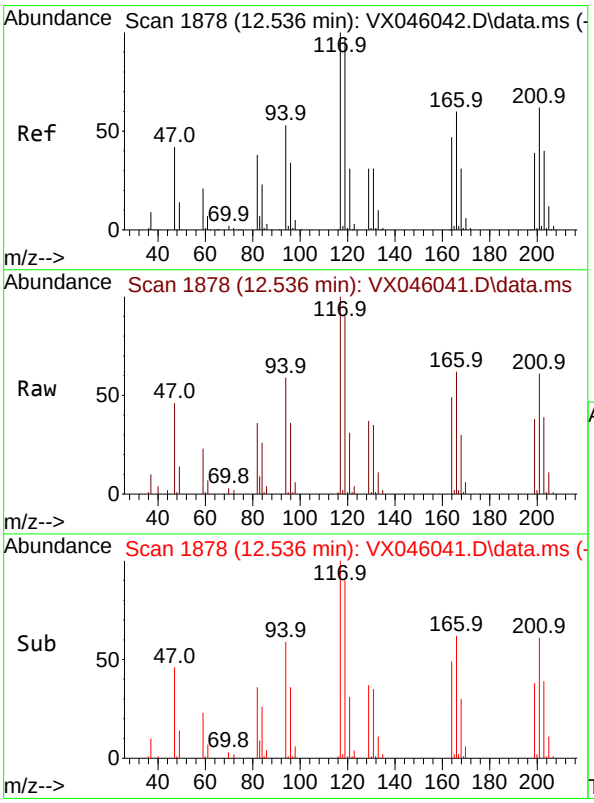

#89
n-Butylbenzene
Concen: 14.184 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion: 91 Resp: 66506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.9 | 26.9 | 80.7 |
| 134 | 23.1 | 11.8 | 35.3 |

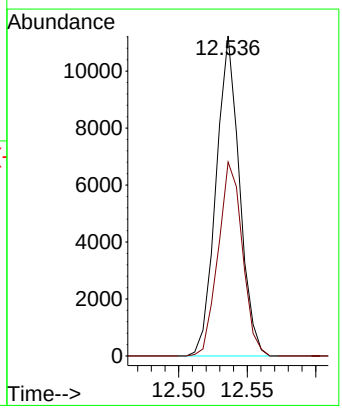


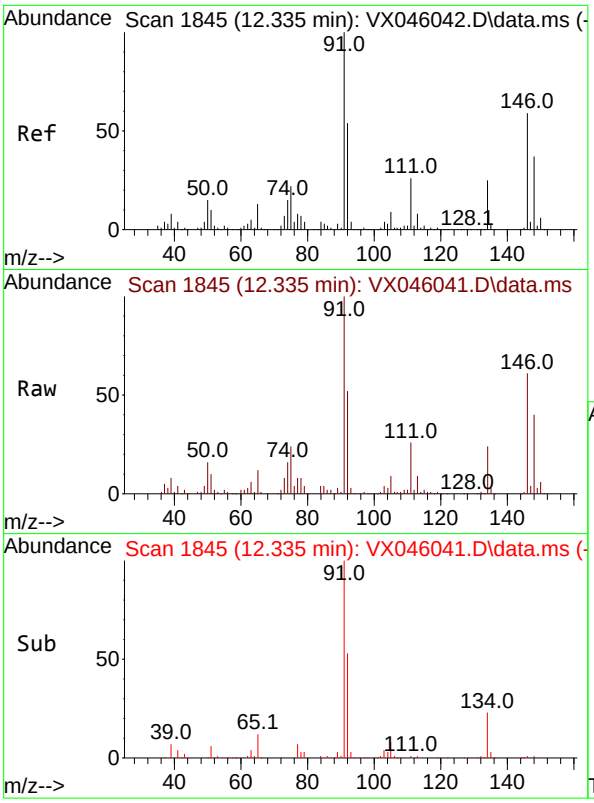




#90
Hexachloroethane
Concen: 13.287 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 13332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.9 | 31.6 | 94.7 |



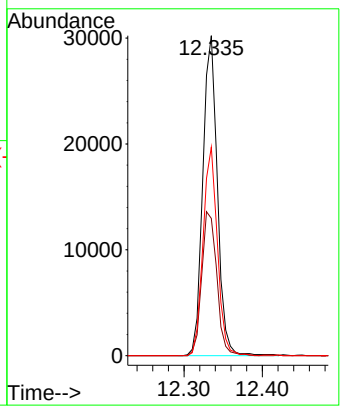


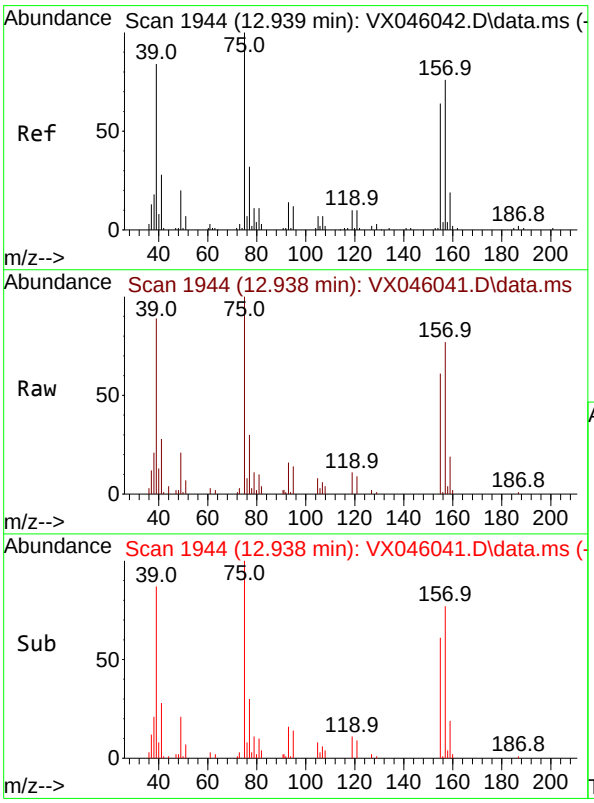

#91
1,2-Dichlorobenzene
Concen: 14.092 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:146 Resp: 39031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.6 | 22.4 | 67.3 |
| 148 | 64.2 | 31.6 | 94.8 |

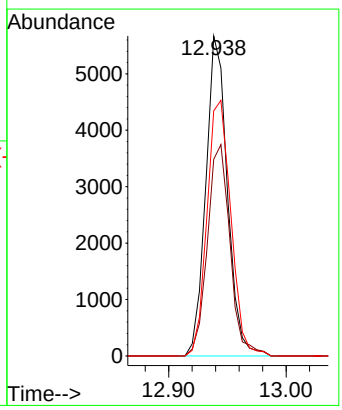


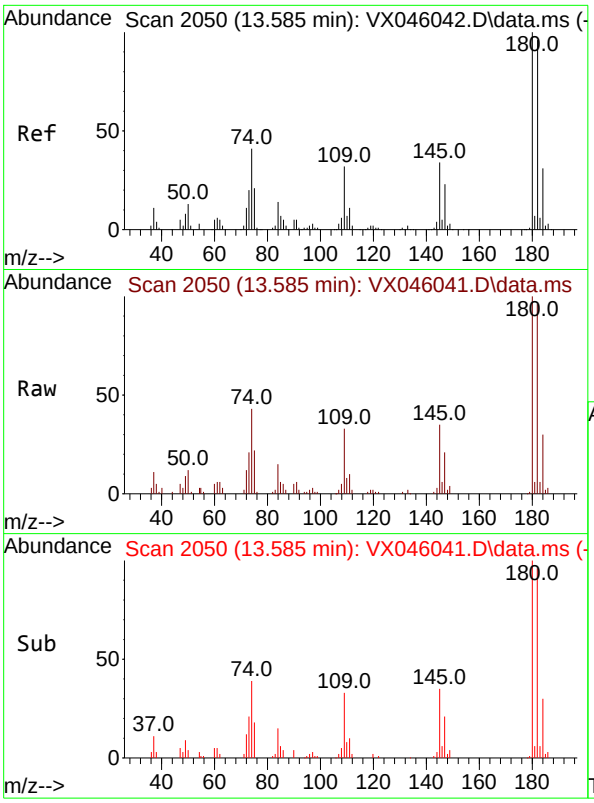




#92
1,2-Dibromo-3-Chloropropane
Concen: 13.535 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 7232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 69.4 | 34.9 | 104.8 |
| 157 | 88.4 | 43.8 | 131.4 |



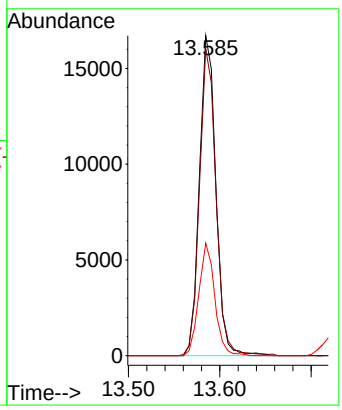


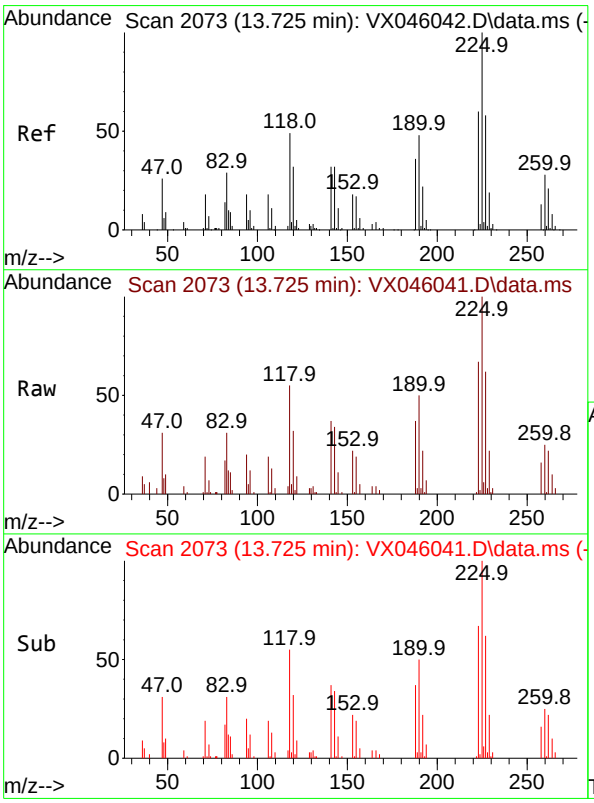

#93
1,2,4-Trichlorobenzene
Concen: 13.745 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:180 Resp: 20846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.6 | 47.9 | 143.8 |
| 145 | 34.1 | 17.1 | 51.2 |

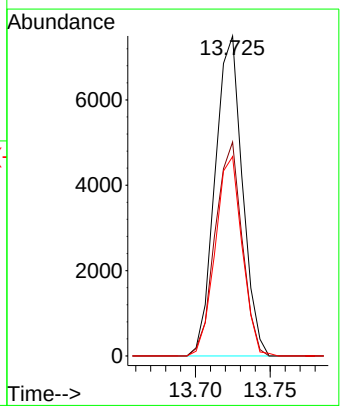


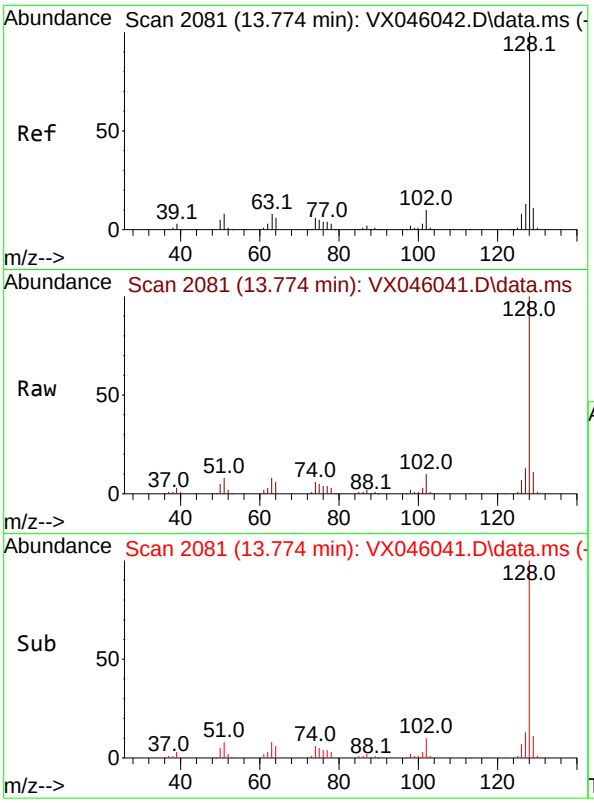




#94
Hexachlorobutadiene
Concen: 13.426 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:225 Resp: 9524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.6 | 30.8 | 92.4 |
| 227 | 61.4 | 30.9 | 92.7 |



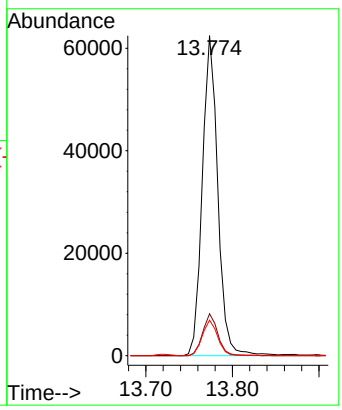


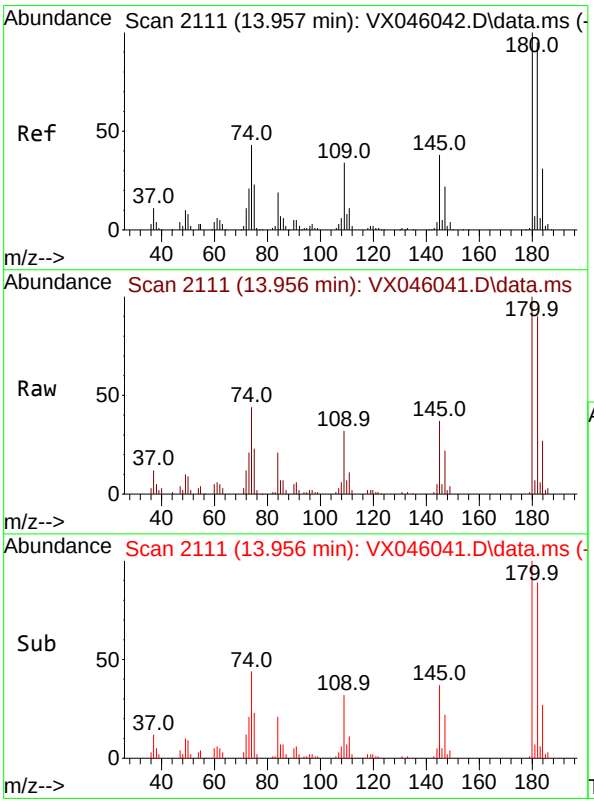

#95
Naphthalene
Concen: 14.040 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Tgt Ion:128 Resp: 77542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.4 | 15.6 |
| 129 | 11.1 | 8.6 | 13.0 |

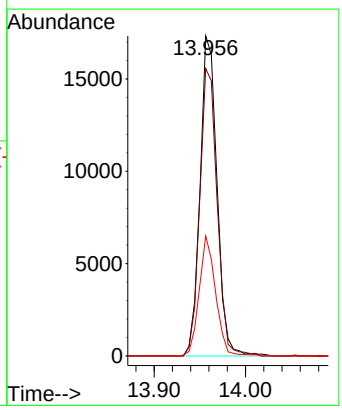



#96
1,2,3-Trichlorobenzene
Concen: 14.023 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:180 Resp: 22301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.1 | 47.8 | 143.3 |
| 145 | 36.5 | 18.1 | 54.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 97076 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 167947 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 146257 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 67976 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 88371 | 30.601 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 61.200%# | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 59550 | 31.633 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 63.260%# | | |
| 50) Toluene-d8 | 8.647 | 98 | 205479 | 32.395 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 64.780%# | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 79012 | 34.229 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 68.460%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 83826 | 39.120 | ug/l | 100 |
| 3) Chloromethane | 1.307 | 50 | 75238 | 35.658 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 68901 | 37.273 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 31648 | 33.765 | ug/l | 100 |
| 6) Chloroethane | 1.666 | 64 | 36722 | 38.558 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 103693 | 36.824 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 32724 | 35.350 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 62251 | 36.997 | ug/l | 100 |
| 10) Methyl Iodide | 2.447 | 142 | 78277 | 39.622 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.977 | 59 | 62557 | 181.745 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.313 | 96 | 58334 | 35.610 | ug/l | 100 |
| 13) Acrolein | 2.233 | 56 | 73927 | 184.907 | ug/l | 100 |
| 14) Allyl chloride | 2.654 | 41 | 114445 | 36.971 | ug/l | 100 |
| 15) Acrylonitrile | 3.062 | 53 | 188304 | 182.874 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 175777 | 177.910 | ug/l | 100 |
| 17) Carbon Disulfide | 2.502 | 76 | 141281 | 37.223 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 82347 | 34.915 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 209665 | 36.695 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 66412 | 33.182 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 59234 | 35.421 | ug/l | 100 |
| 22) Diisopropyl ether | 3.757 | 45 | 221172 | 38.241 | ug/l | 100 |
| 23) Vinyl Acetate | 3.721 | 43 | 994236 | 194.528 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 122601 | 36.067 | ug/l | 100 |
| 25) 2-Butanone | 4.556 | 43 | 269224 | 188.783 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 92857 | 36.059 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 71518 | 35.466 | ug/l | 100 |
| 28) Bromochloromethane | 4.898 | 49 | 56091 | 31.031 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.001 | 42 | 170124 | 183.679 | ug/l | 100 |
| 30) Chloroform | 5.087 | 83 | 125850 | 35.626 | ug/l | 100 |
| 31) Cyclohexane | 5.464 | 56 | 109459 | 38.205 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 109781 | 36.034 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 83215 | 38.073 | ug/l | 100 |
| 37) Ethyl Acetate | 4.715 | 43 | 102537 | 37.394 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 93712 | 37.320 | ug/l | 100 |
| 39) Methylcyclohexane | 7.373 | 83 | 107651 | 39.307 | ug/l | 100 |
| 40) Benzene | 6.031 | 78 | 247476 | 36.530 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 58082 | 38.123 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 105332 | 37.605 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.336 | 43 | 161787 | 38.598 | ug/l | | 100 |
| 44) Trichloroethene | 7.123 | 130 | 59623 | 37.230 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 62387 | 37.064 | ug/l | | 100 |
| 46) Dibromomethane | 7.574 | 93 | 48201 | 36.326 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.818 | 83 | 96916 | 37.685 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 84277 | 39.157 | ug/l | | 100 |
| 49) 1,4-Dioxane | 7.659 | 88 | 30529 | 713.477 | ug/l | | 100 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 532388 | 193.653 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 150757 | 37.530 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 88655 | 41.056 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 97031 | 38.521 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 59499 | 36.648 | ug/l | | 100 |
| 56) Ethyl methacrylate | 9.116 | 69 | 99947 | 39.726 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 104606 | 36.347 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 257678 | 227.902 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 396784 | 190.168 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 67198 | 38.027 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 62633 | 37.567 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 54853 | 36.726 | ug/l | | 100 |
| 65) Chlorobenzene | 10.079 | 112 | 160600 | 35.686 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 57066 | 38.017 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 295712 | 38.543 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 216578 | 78.142 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 106335 | 38.064 | ug/l | | 100 |
| 70) Styrene | 10.653 | 104 | 178313 | 39.888 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 44486 | 39.457 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 280719 | 37.865 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 140509 | 38.012 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 90975 | 34.495 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 102335 | 36.110 | ug/l | | 86 |
| 77) Bromobenzene | 11.195 | 156 | 63053 | 36.763 | ug/l | | 100 |
| 78) n-propylbenzene | 11.299 | 91 | 329981 | 39.707 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 203509 | 36.336 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 237066 | 38.516 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 26179 | 38.445 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 233172 | 37.880 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 233468 | 38.622 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 239433 | 38.946 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 291074 | 38.786 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 241658 | 39.879 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 115651 | 36.199 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 115097 | 36.763 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 213899 | 40.603 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 42314 | 37.534 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 115286 | 37.047 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 21909 | 36.496 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 66655 | 39.117 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 29007 | 36.395 | ug/l | | 100 |
| 95) Naphthalene | 13.774 | 128 | 245568 | 39.575 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 69262 | 38.765 | ug/l | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

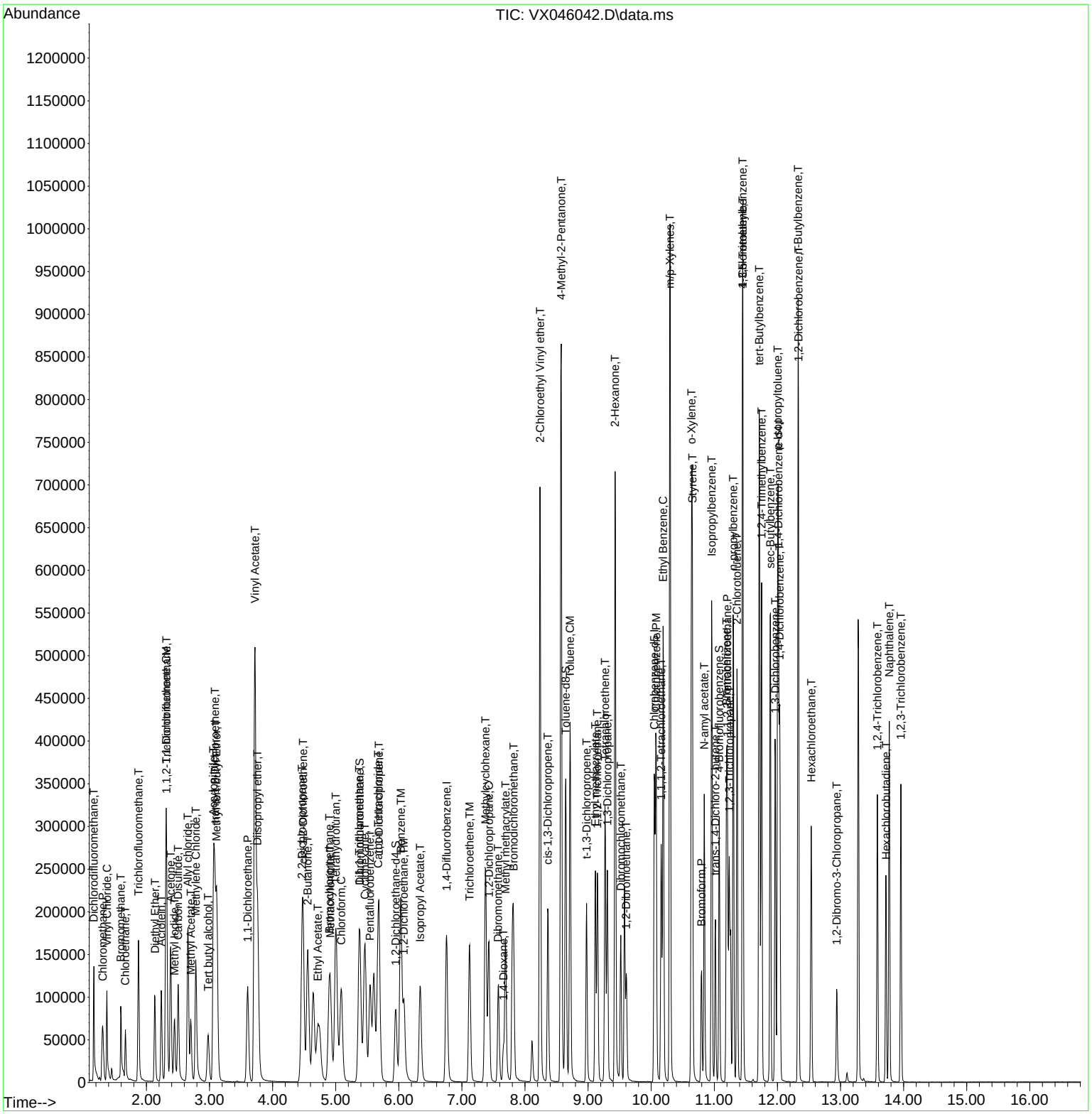
(#) = qualifier out of range (m) = manual integration (+) = signals summed

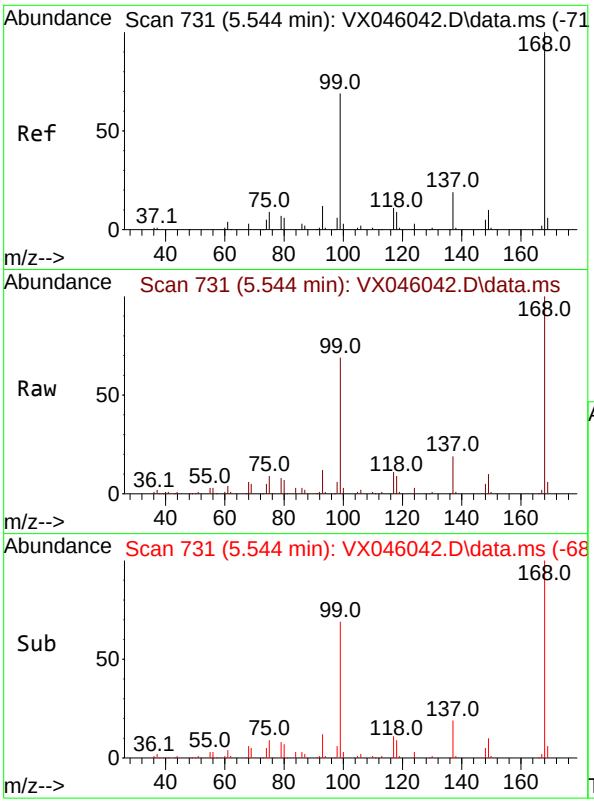
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



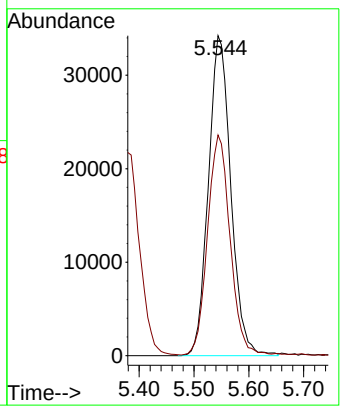


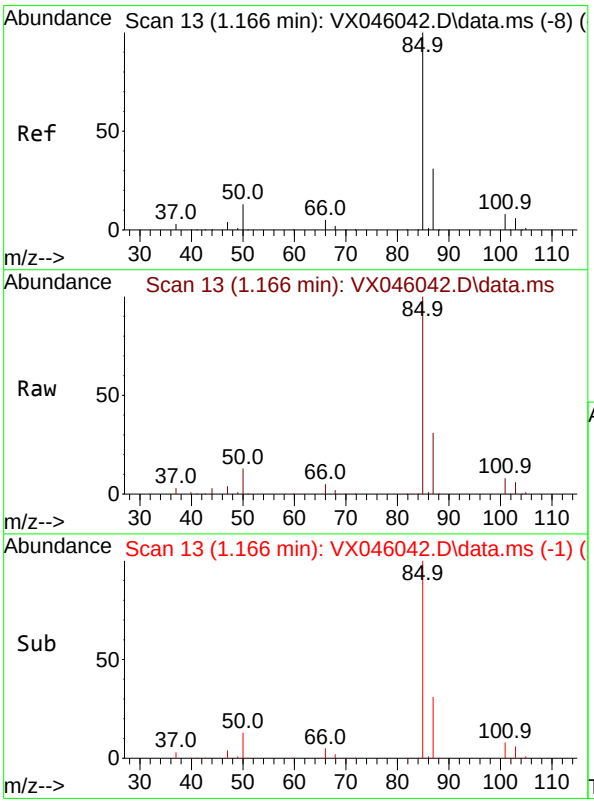

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:168 Resp: 97076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 68.6 | 54.9 | 82.3 |

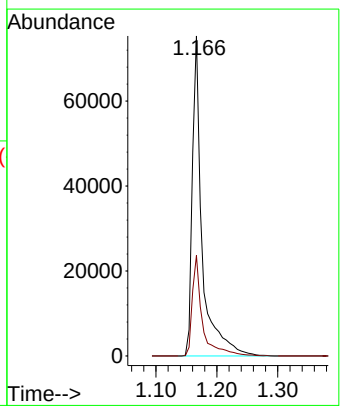


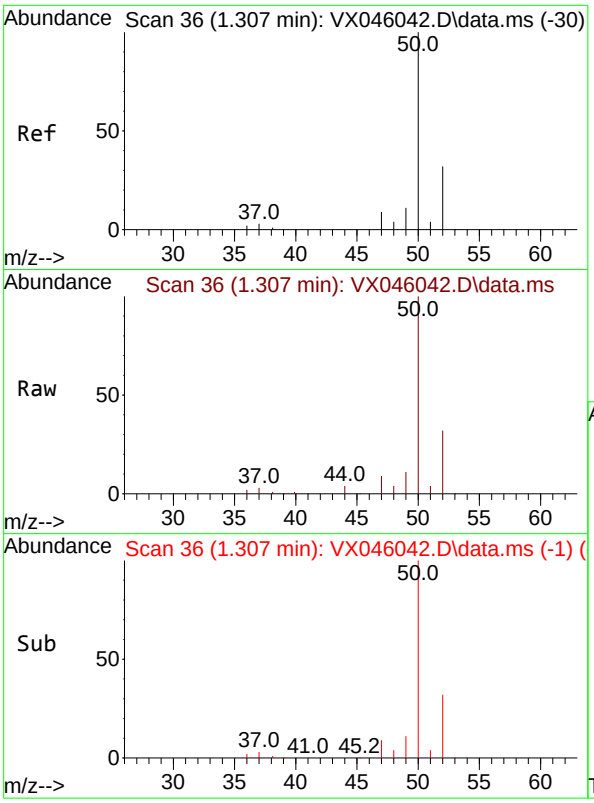




#2
Dichlorodifluoromethane
Concen: 39.120 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 85 Resp: 83826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.4 | 15.7 | 47.1 |



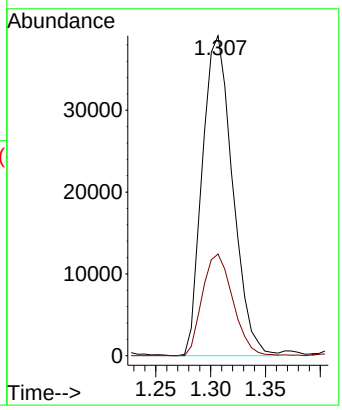


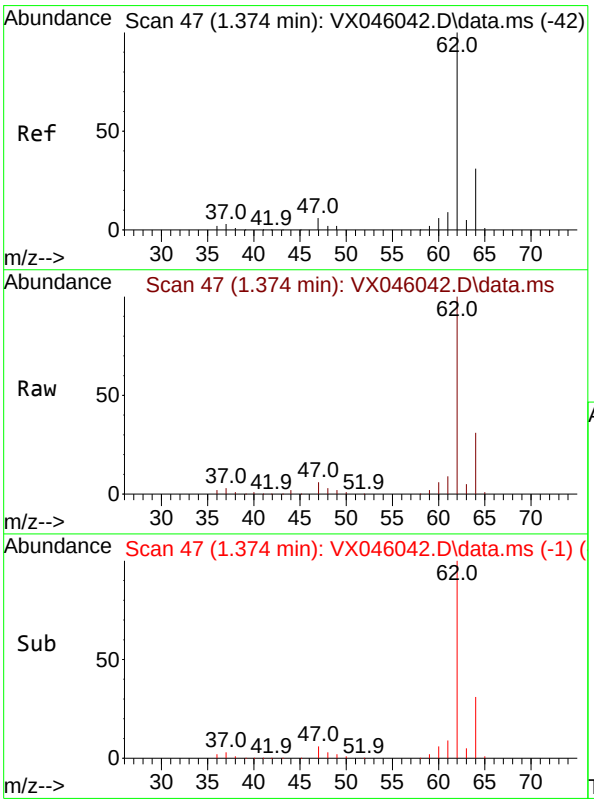

#3
Chloromethane
Concen: 35.658 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 50 Resp: 75238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 25.4 | 38.2 |

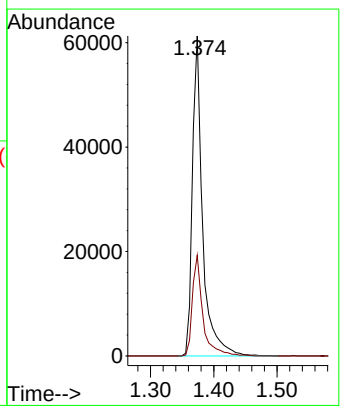


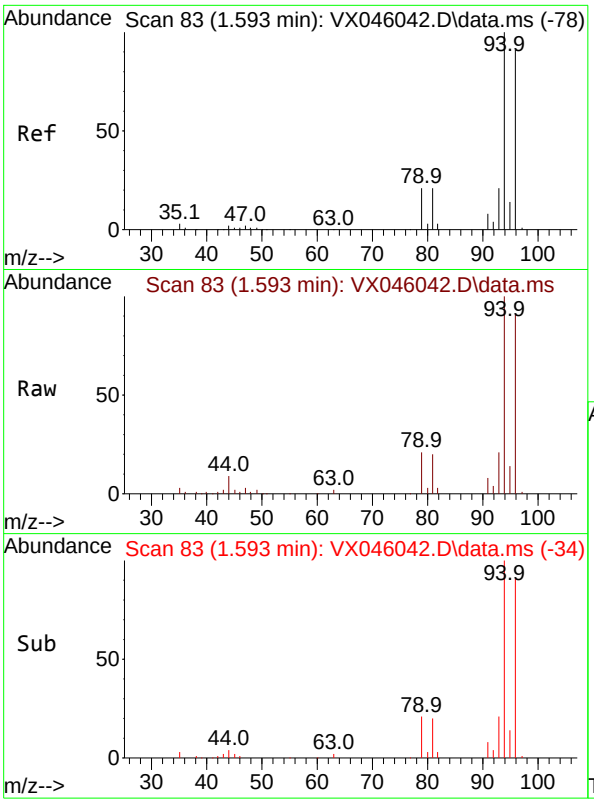




#4
Vinyl Chloride
Concen: 37.273 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 68901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 25.2 | 37.8 |



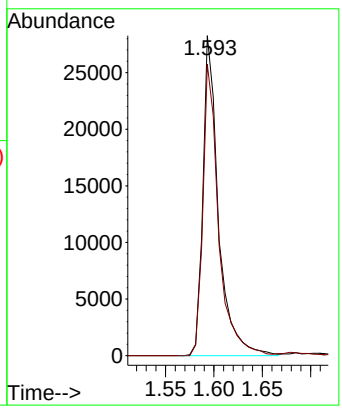


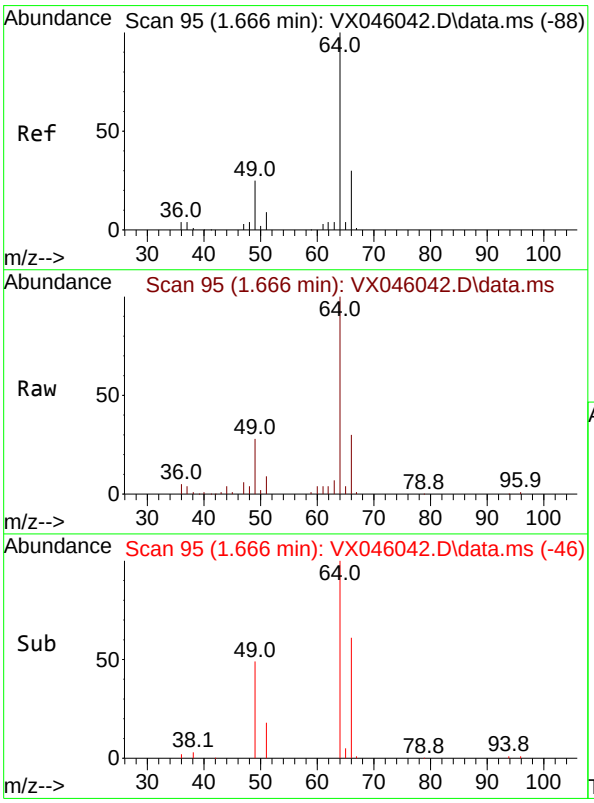

#5
Bromomethane
Concen: 33.765 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 94 Resp: 31648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.0 | 72.8 | 109.2 |

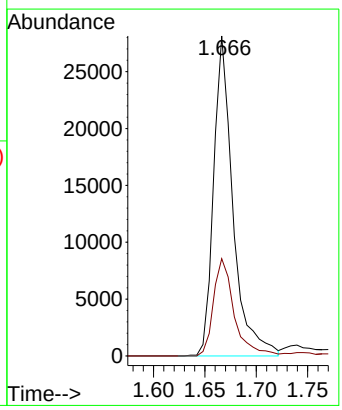


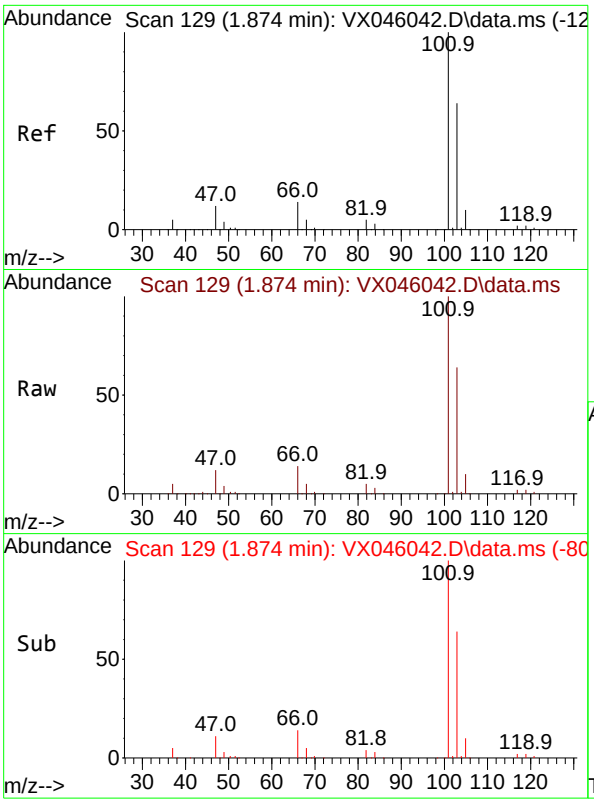




#6
Chloroethane
Concen: 38.558 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 64 Resp: 36722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.4 | 24.3 | 36.5 |



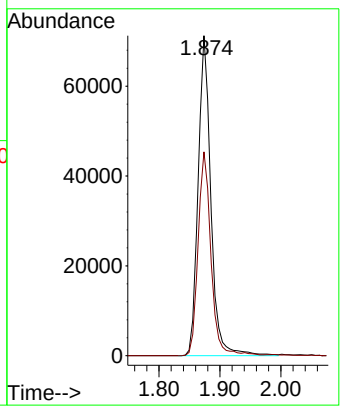


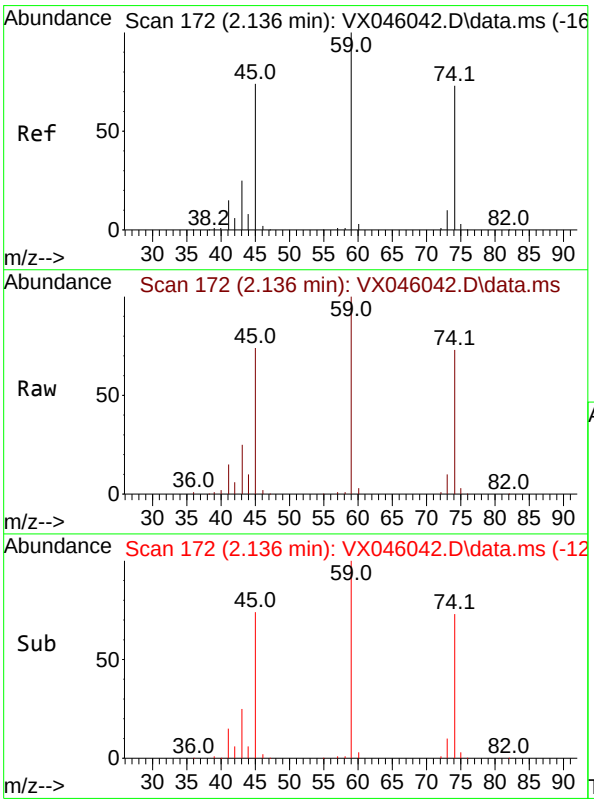

#7
Trichlorofluoromethane
Concen: 36.824 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 103693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.7 | 51.0 | 76.4 |

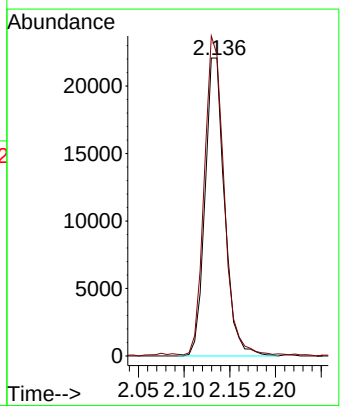


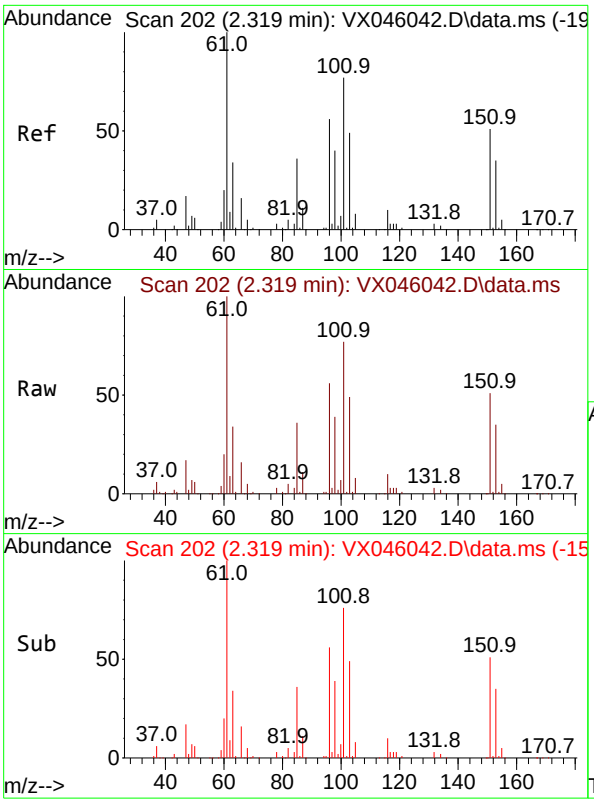




#8
Diethyl Ether
Concen: 35.350 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 74 Resp: 32724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 109.9 | 54.9 | 164.8 |



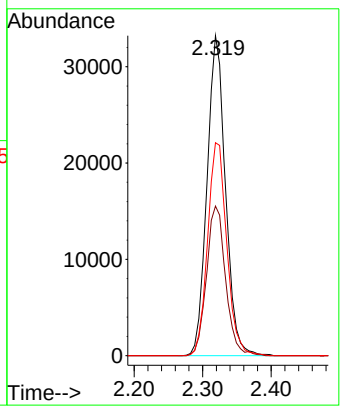


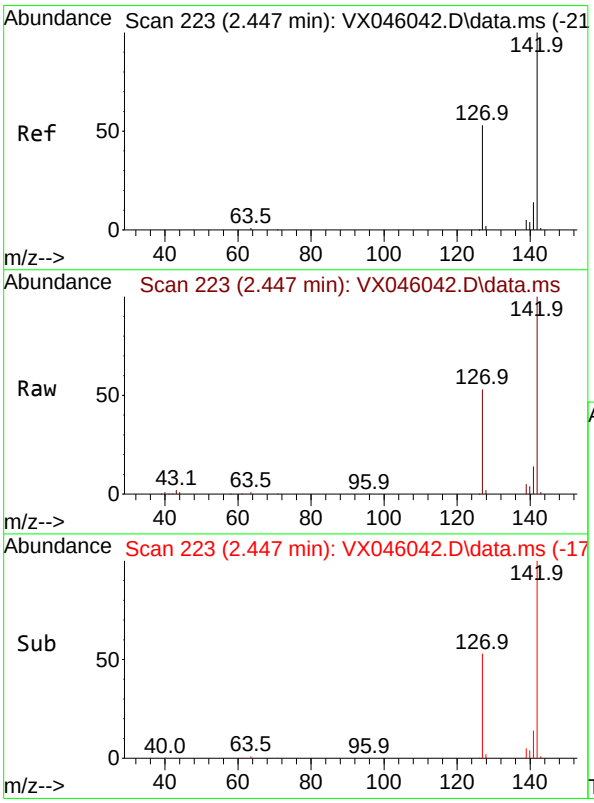

#9
1,1,2-Trichlorotrifluoroethane
Concen: 36.997 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 62251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.3 | 38.6 | 58.0 |
| 151 | 69.0 | 55.2 | 82.8 |

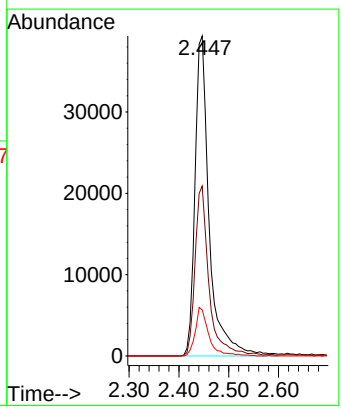


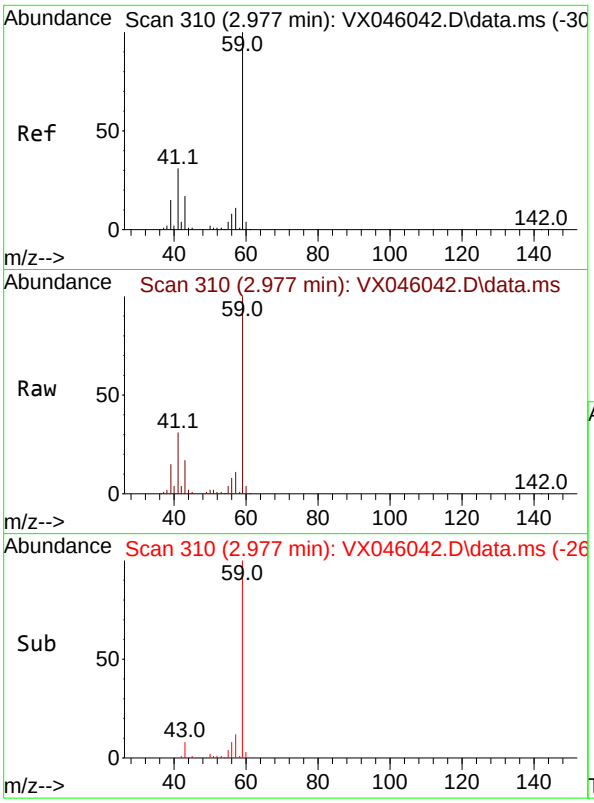




#10
Methyl Iodide
Concen: 39.622 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:142 Resp: 78277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.1 | 41.7 | 62.5 |
| 141 | 14.4 | 11.5 | 17.3 |



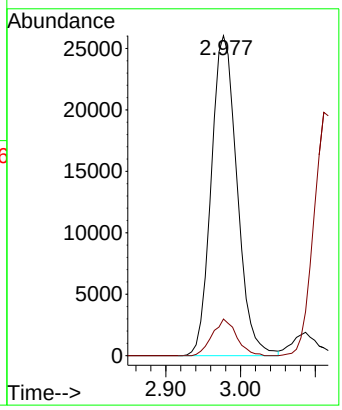


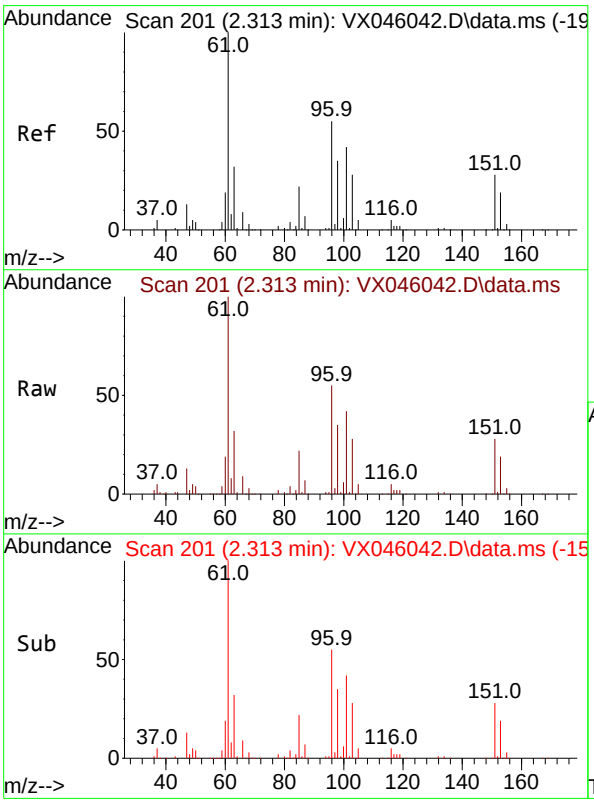

#11
Tert butyl alcohol
Concen: 181.745 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 59 Resp: 62557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 8.6 | 12.8 |

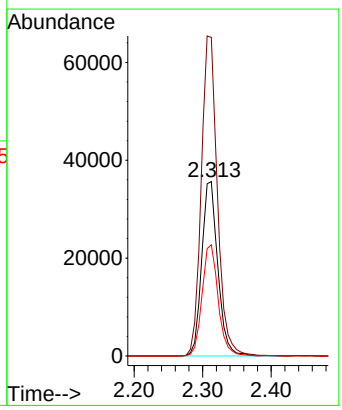


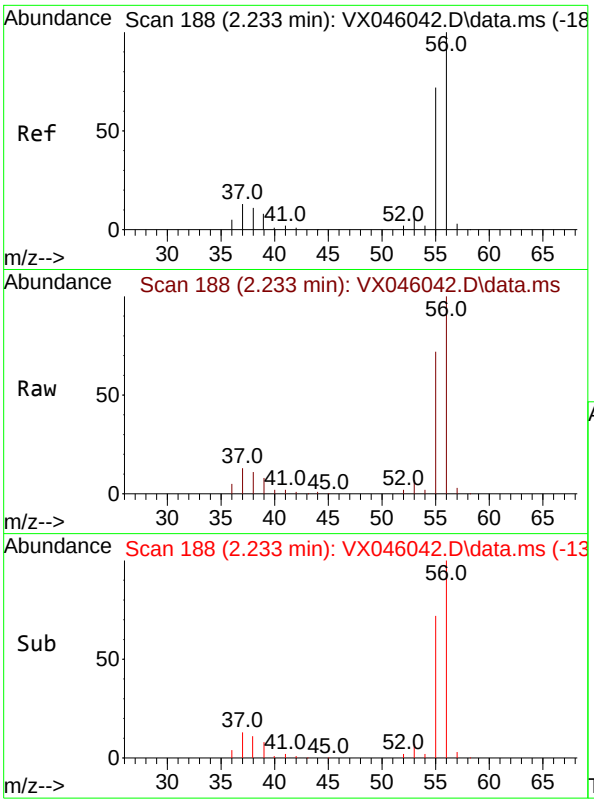




#12
1,1-Dichloroethene
Concen: 35.610 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 96 Resp: 58334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 182.7 | 146.2 | 219.2 |
| 98 | 63.8 | 51.0 | 76.6 |



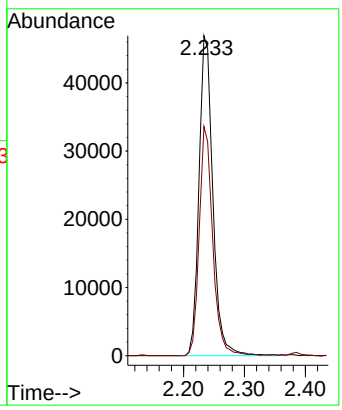


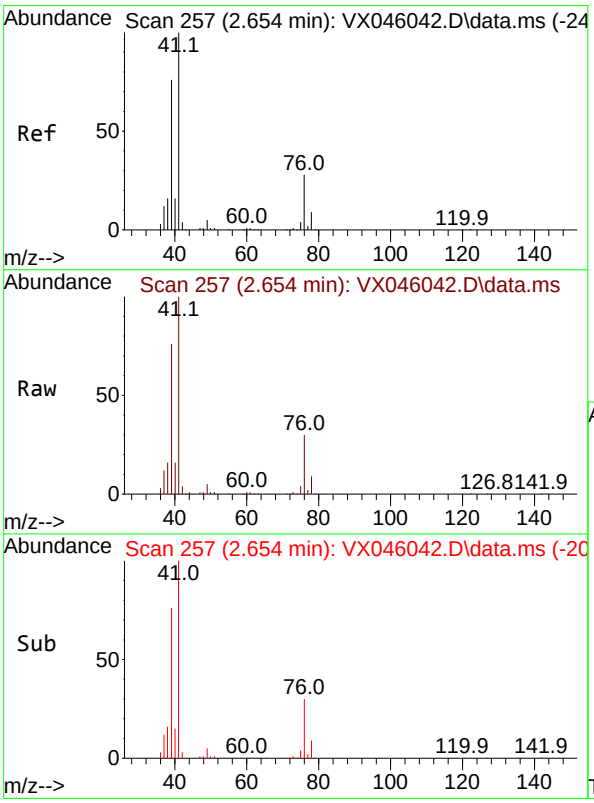

#13
Acrolein
Concen: 184.907 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 73927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.3 | 56.2 | 84.4 |

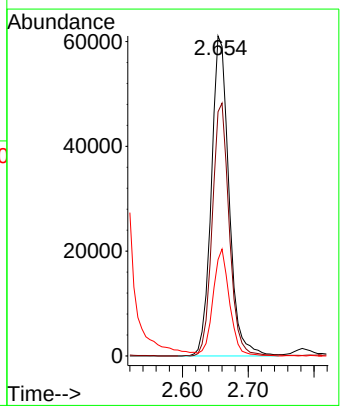


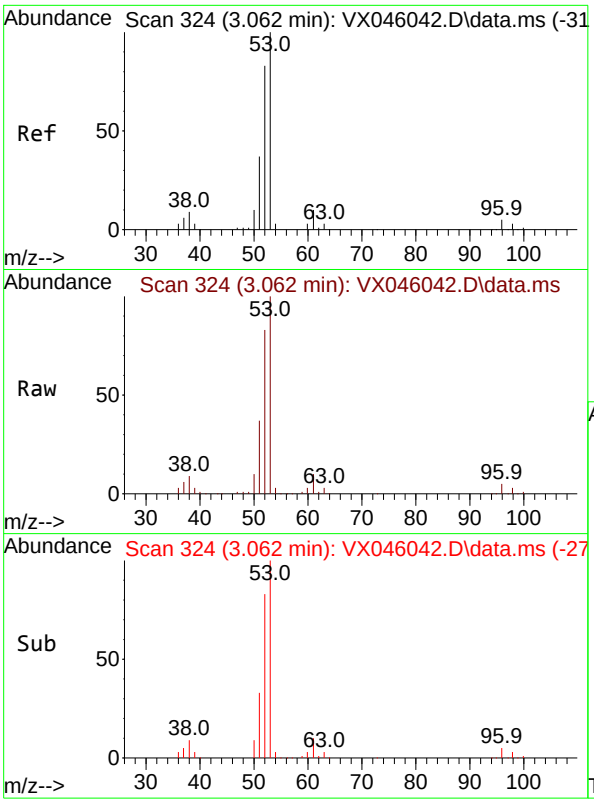




#14
Allyl chloride
Concen: 36.971 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 114445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.7 | 60.6 | 90.8 |
| 76 | 31.1 | 24.9 | 37.3 |



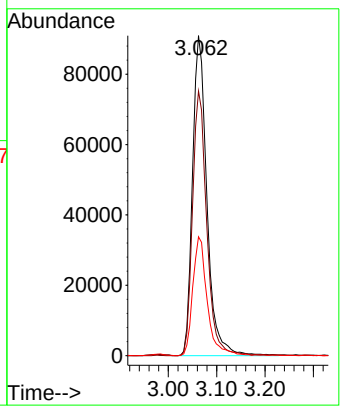


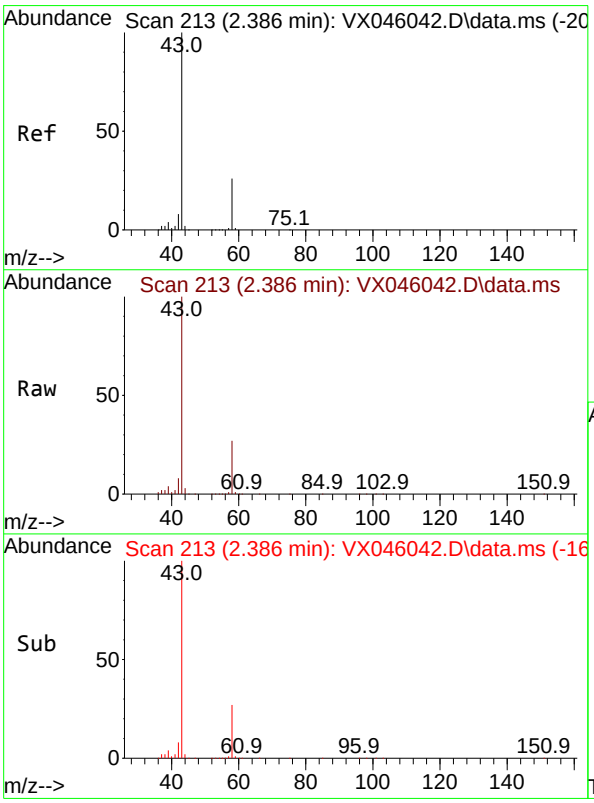

#15
Acrylonitrile
Concen: 182.874 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 53 Resp: 188304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.6 | 65.3 | 97.9 |
| 51 | 37.3 | 29.8 | 44.8 |

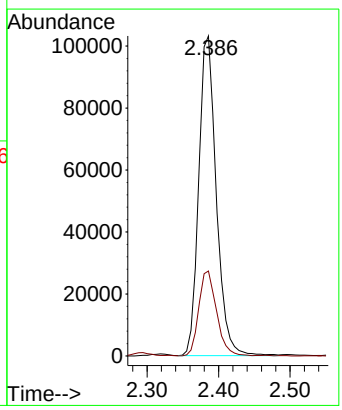


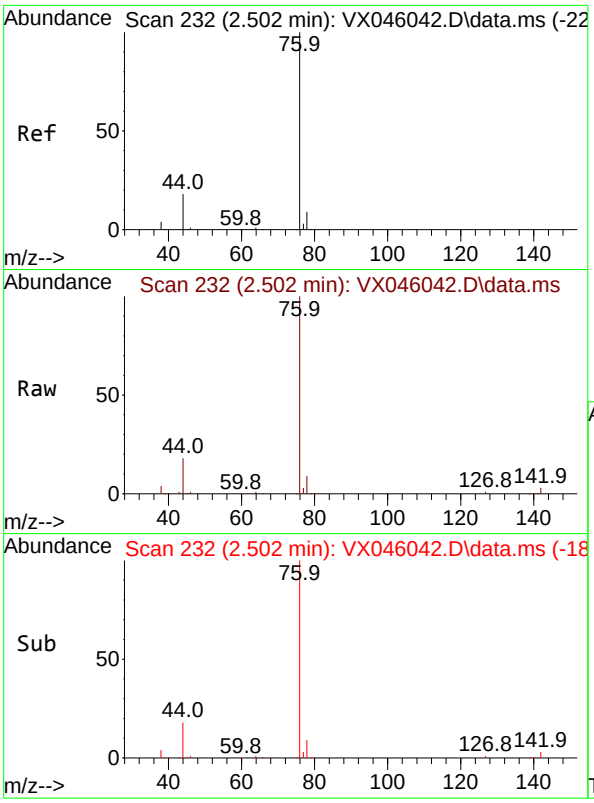




#16
Acetone
Concen: 177.910 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 175777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.5 | 21.2 | 31.8 |



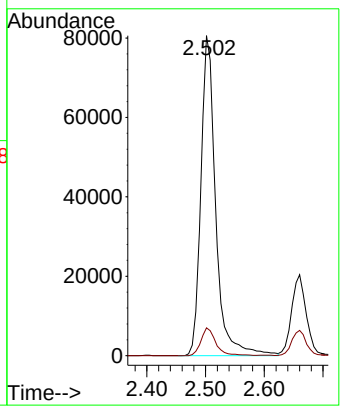


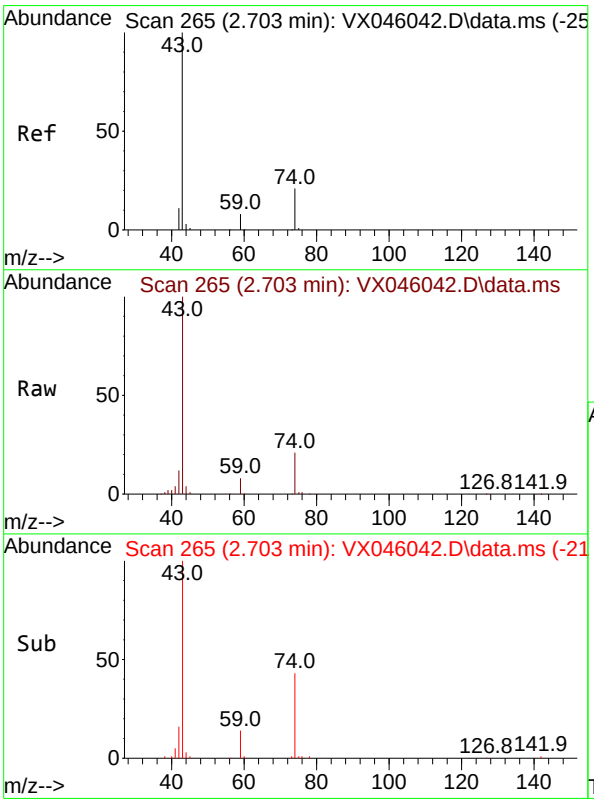

#17
Carbon Disulfide
Concen: 37.223 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 141281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.0 | 10.4 |

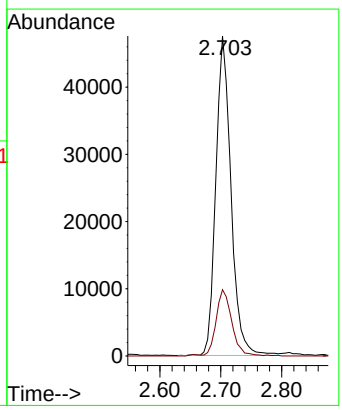


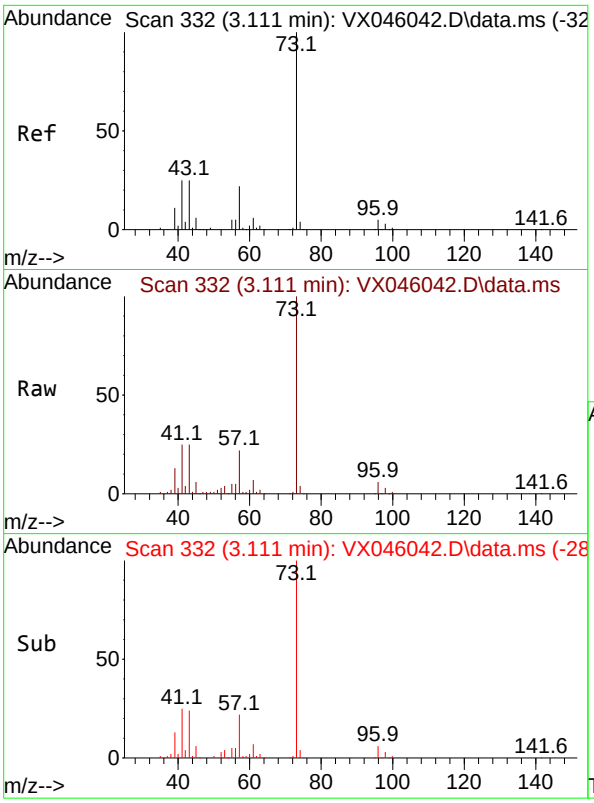




#18
Methyl Acetate
Concen: 34.915 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 82347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.9 | 16.7 | 25.1 |



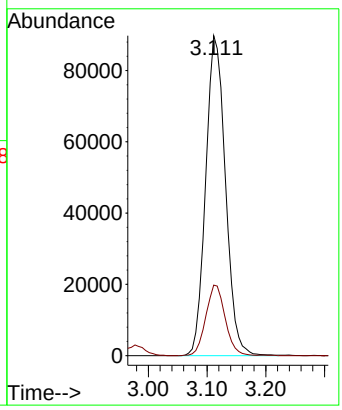


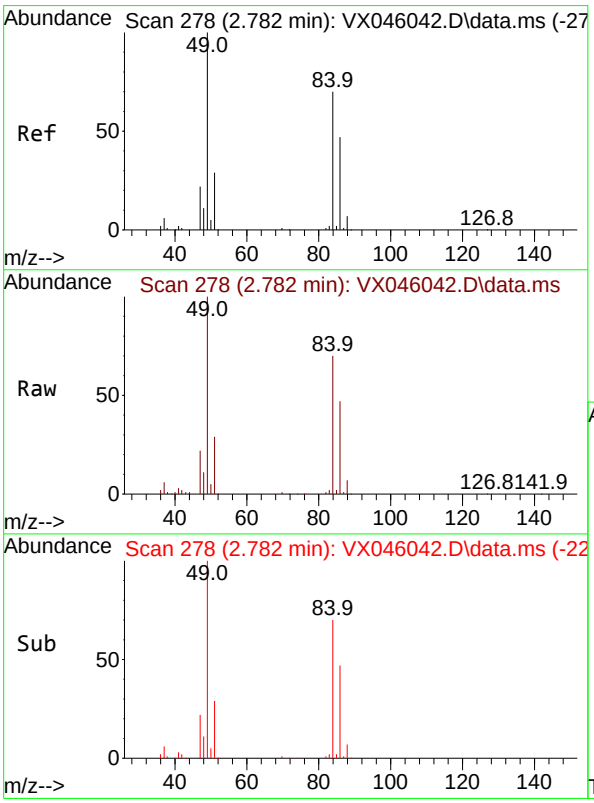

#19
Methyl tert-butyl Ether
Concen: 36.695 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 73 Resp: 209665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.1 | 17.7 | 26.5 |

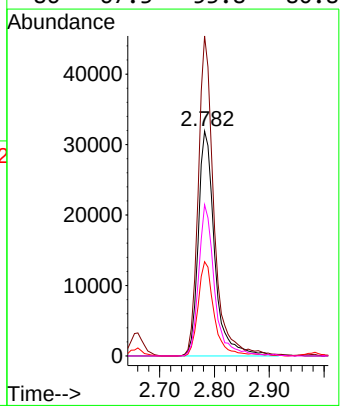


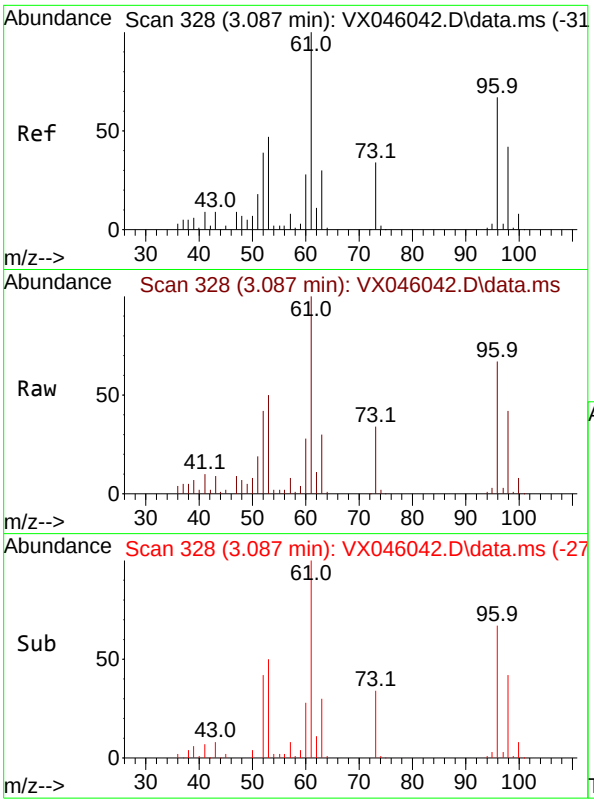




#20
Methylene Chloride
Concen: 33.182 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 84 Resp: 66412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 142.4 | 113.9 | 170.9 |
| 51 | 41.9 | 33.5 | 50.3 |
| 86 | 67.3 | 53.8 | 80.8 |



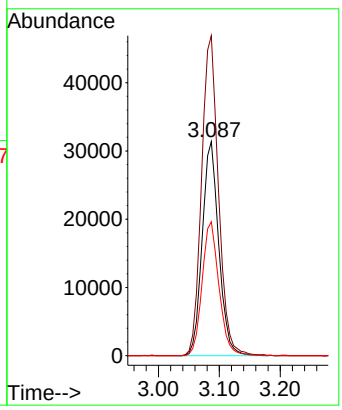


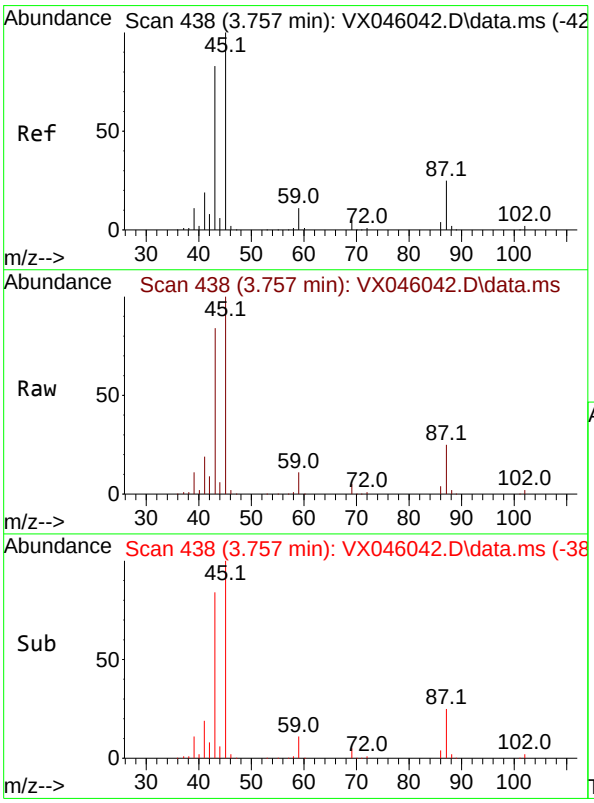

#21
trans-1,2-Dichloroethene
Concen: 35.421 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 59234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.4 | 119.5 | 179.3 |
| 98 | 62.5 | 50.0 | 75.0 |

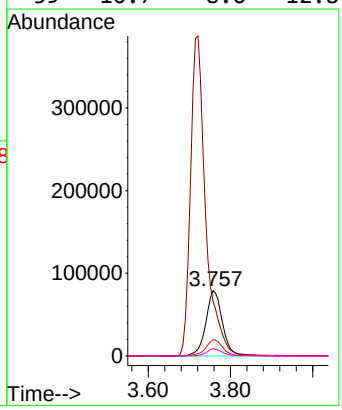


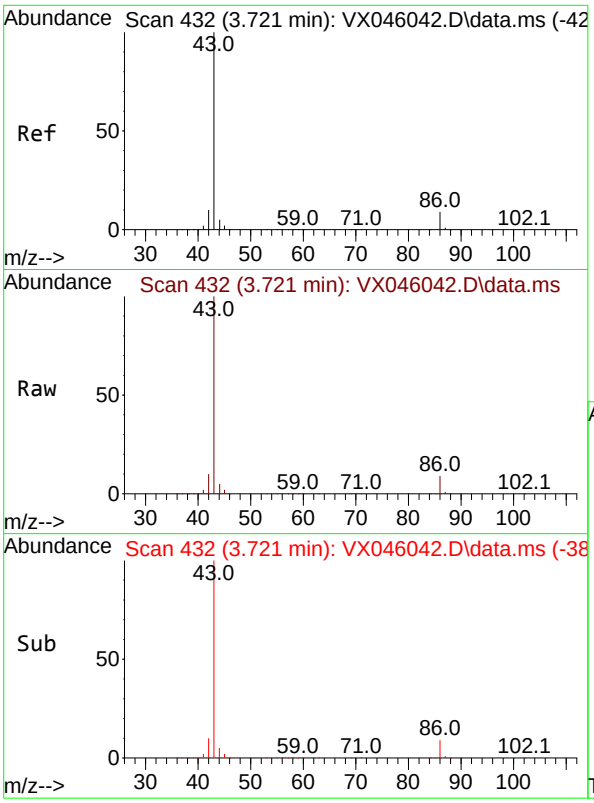




#22
Diisopropyl ether
Concen: 38.241 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 45 Resp: 221172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 83.3 | 66.6 | 100.0 |
| 87 | 24.7 | 19.8 | 29.6 |
| 59 | 10.7 | 8.6 | 12.8 |



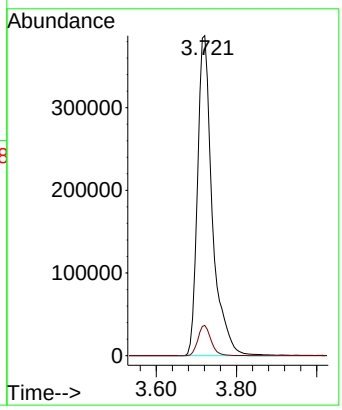


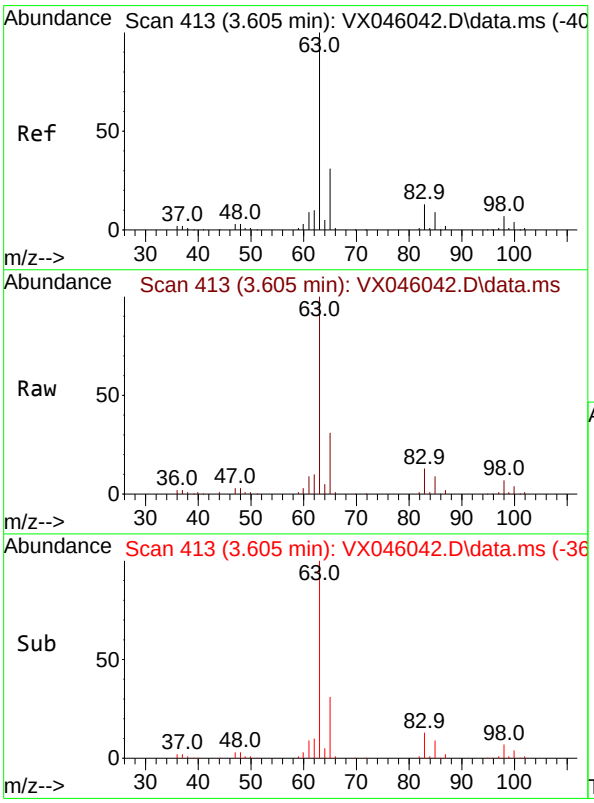

#23
Vinyl Acetate
Concen: 194.528 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 994236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.4 | 7.5 | 11.3 |

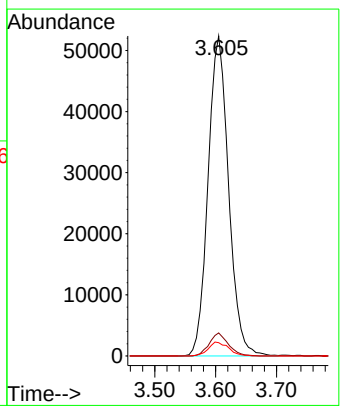


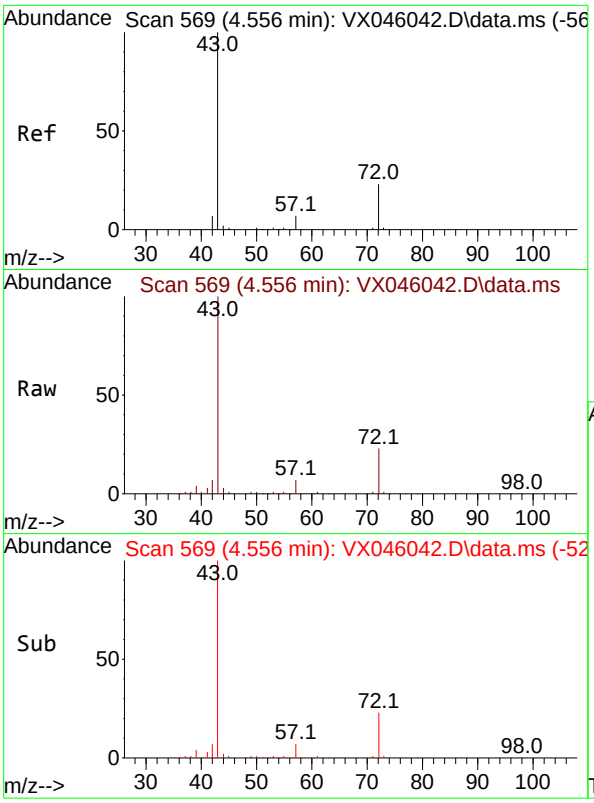




#24
1,1-Dichloroethane
Concen: 36.067 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 122601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.6 | 10.8 |
| 100 | 4.2 | 2.1 | 6.3 |



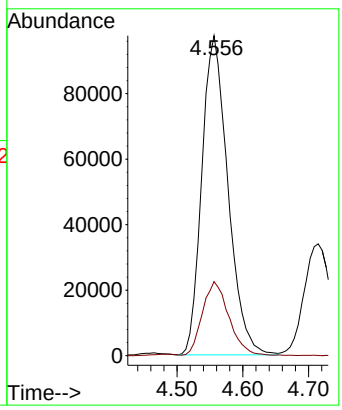


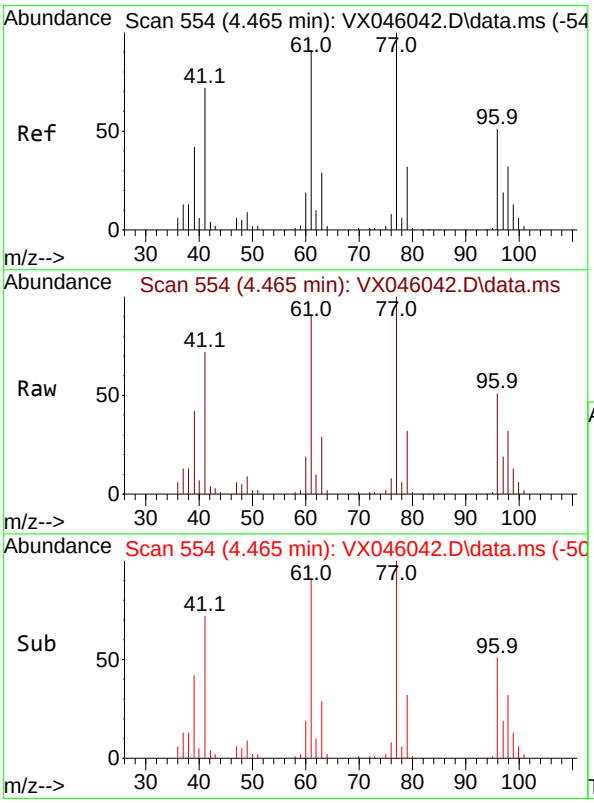

#25
2-Butanone
Concen: 188.783 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 269224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.0 | 18.4 | 27.6 |

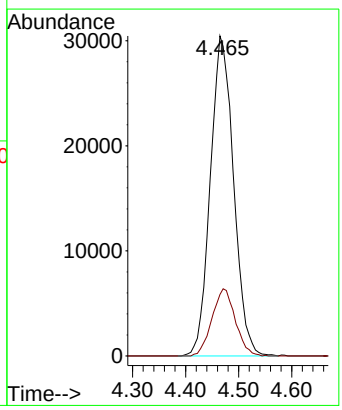


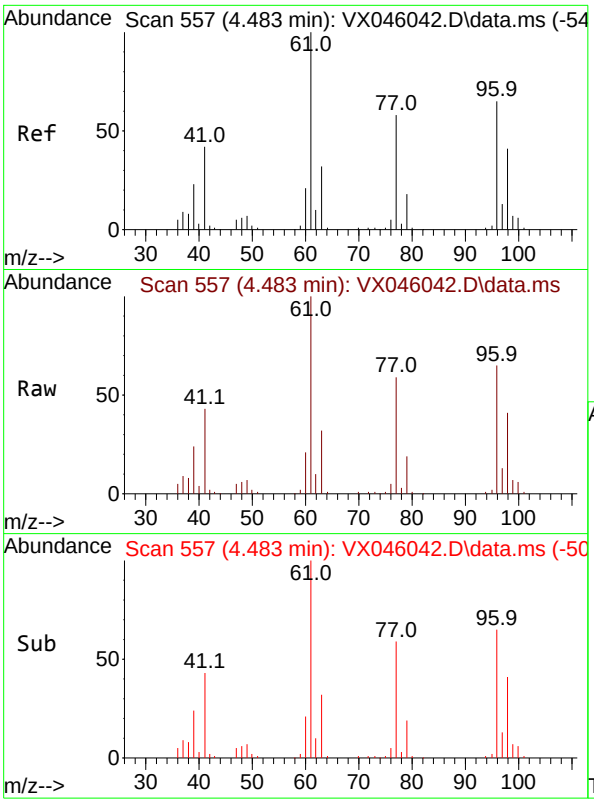




#26
2,2-Dichloropropane
Concen: 36.059 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 77 Resp: 92857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.0 | 10.5 | 31.5 |



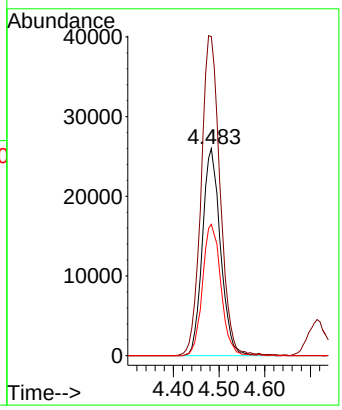


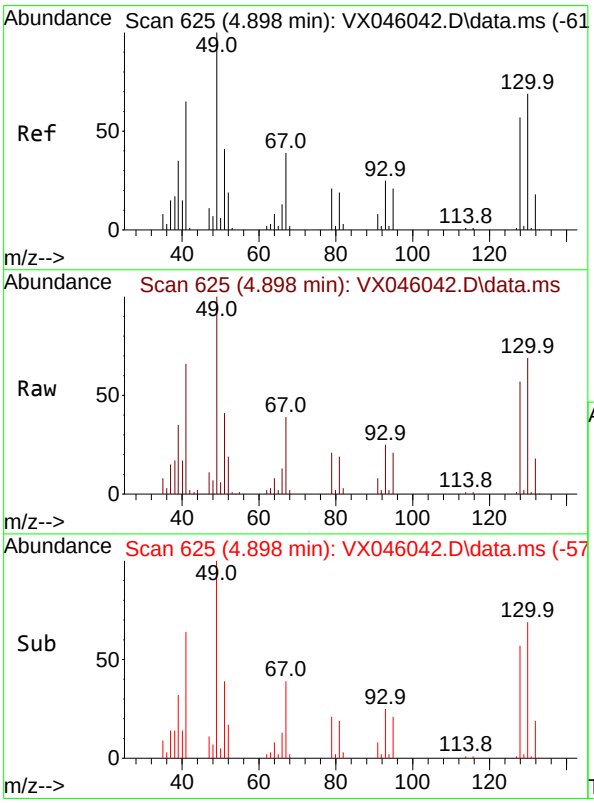

#27
cis-1,2-Dichloroethene
Concen: 35.466 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 71518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.4 | 0.0 | 322.8 |
| 98 | 64.5 | 0.0 | 129.0 |

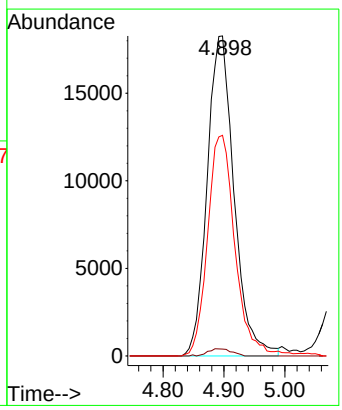


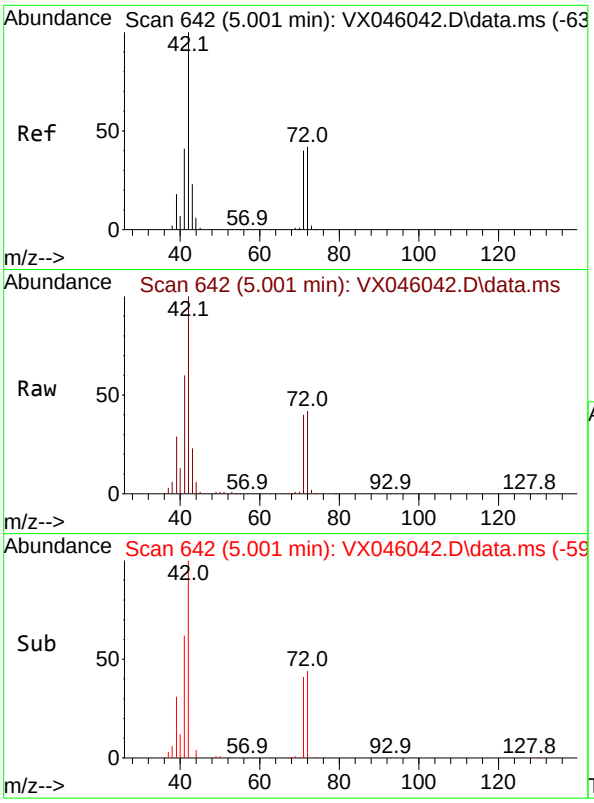




#28
Bromochloromethane
Concen: 31.031 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 49 Resp: 56091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 70.2 | 56.2 | 84.2 |



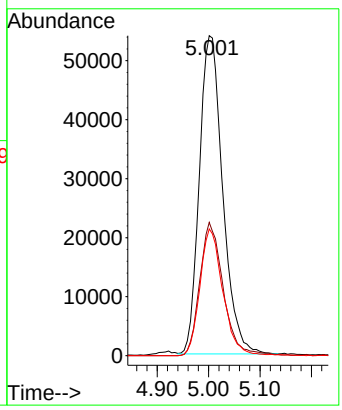


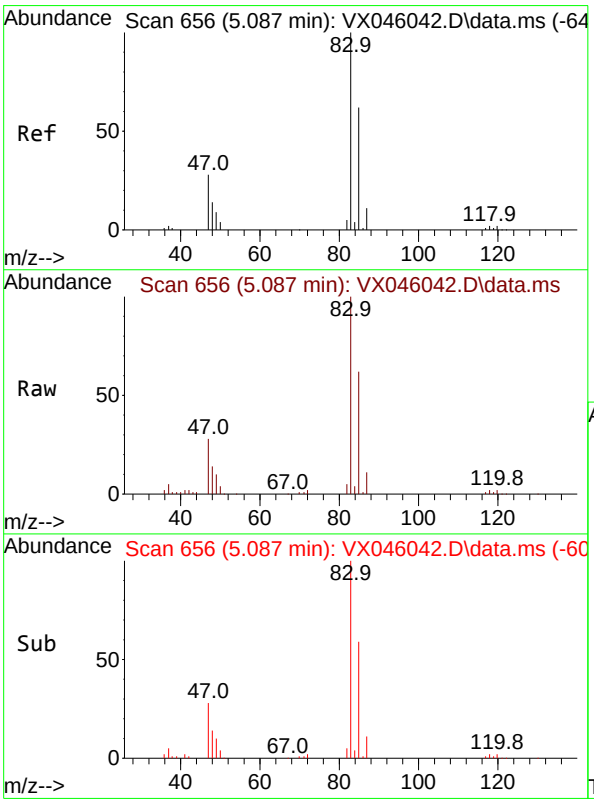

#29
Tetrahydrofuran
Concen: 183.679 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 42 Resp: 170124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.1 | 33.7 | 50.5 |
| 71 | 39.3 | 31.4 | 47.2 |

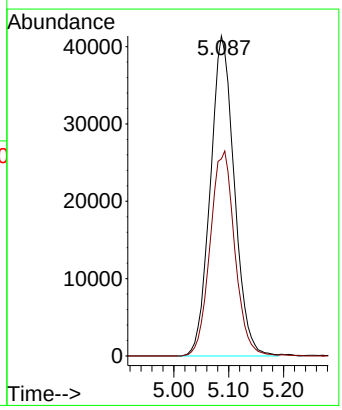


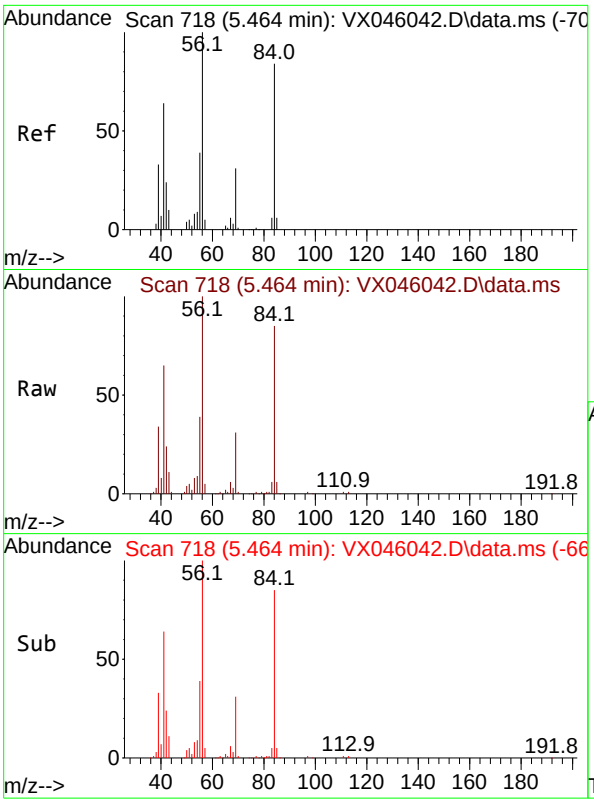




#30
Chloroform
Concen: 35.626 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 125850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.6 | 49.3 | 73.9 |



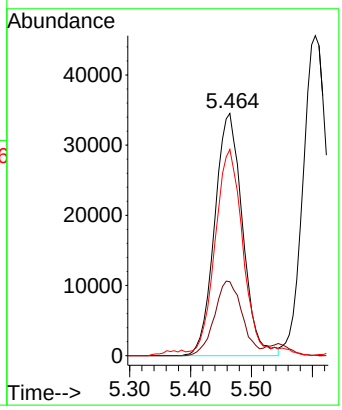


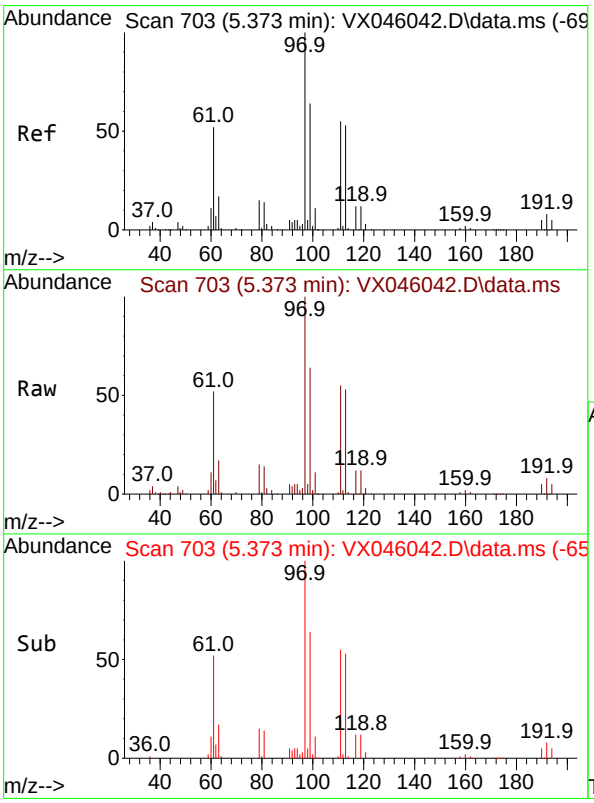

#31
Cyclohexane
Concen: 38.205 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 109459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.5 | 24.4 | 36.6 |
| 84 | 83.6 | 66.9 | 100.3 |

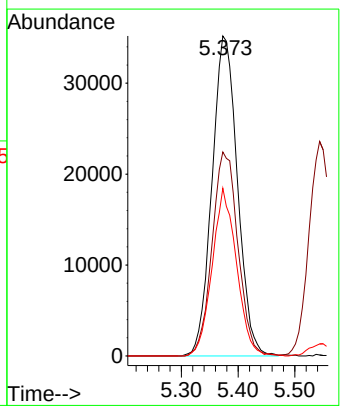


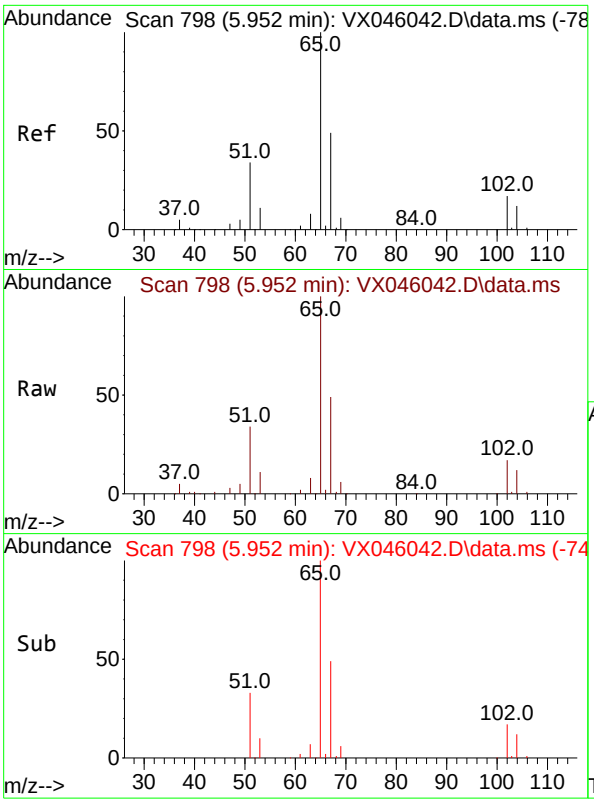




#32
1,1,1-Trichloroethane
Concen: 36.034 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 97 Resp: 109781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.7 | 51.8 | 77.6 |
| 61 | 50.1 | 40.1 | 60.1 |



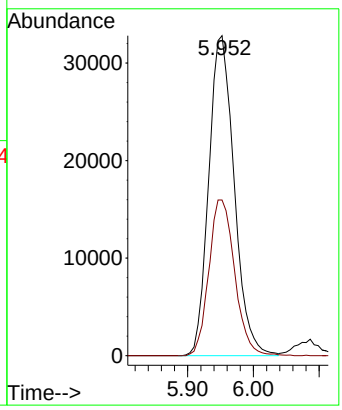


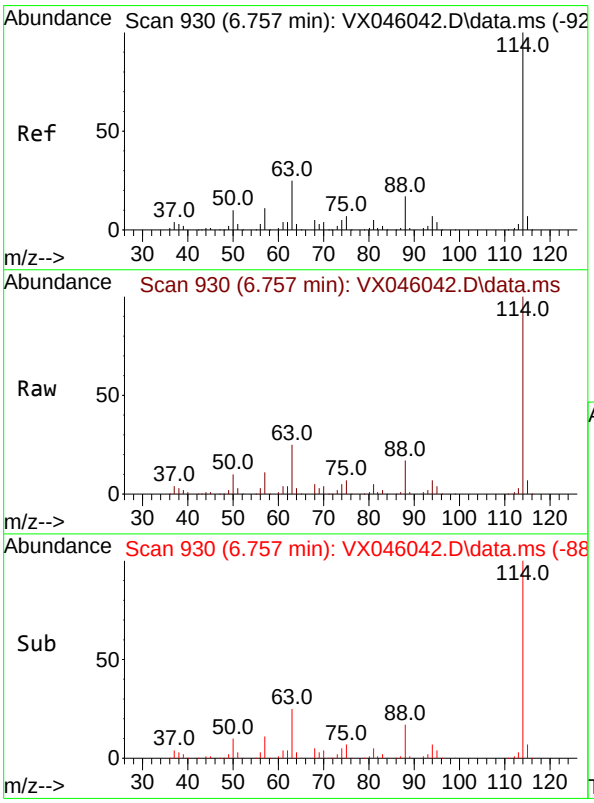

#33
1,2-Dichloroethane-d4
Concen: 30.601 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 65 Resp: 88371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.5 | 0.0 | 99.0 |

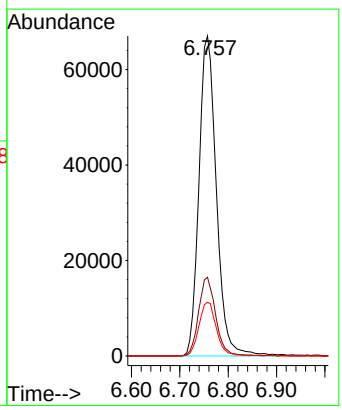


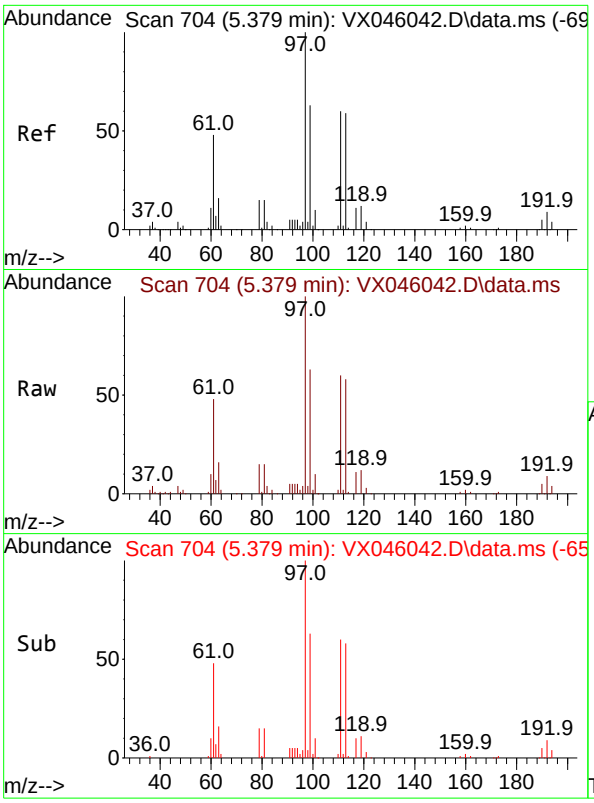




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:114 Resp: 167947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.6 | 0.0 | 49.2 |
| 88 | 16.8 | 0.0 | 33.6 |



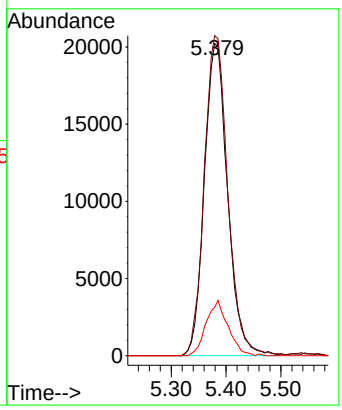


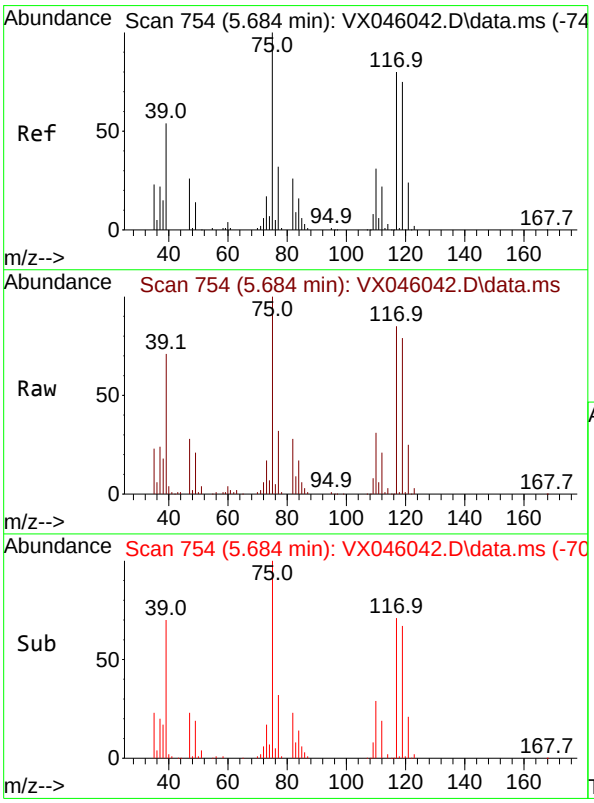

#35
Dibromofluoromethane
Concen: 31.633 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:113 Resp: 59550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.9 | 83.1 | 124.7 |
| 192 | 16.6 | 13.3 | 19.9 |

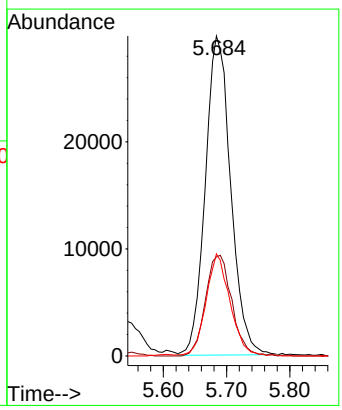


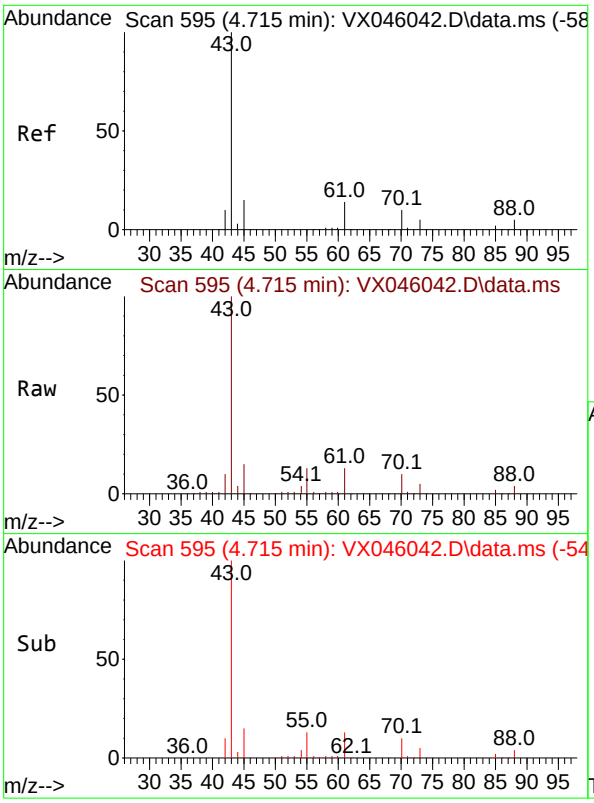




#36
1,1-Dichloropropene
Concen: 38.073 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 83215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.6 | 16.3 | 48.9 |
| 77 | 30.4 | 24.3 | 36.5 |



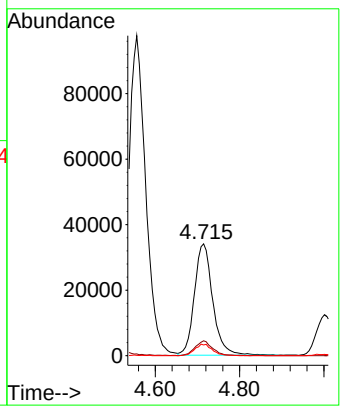


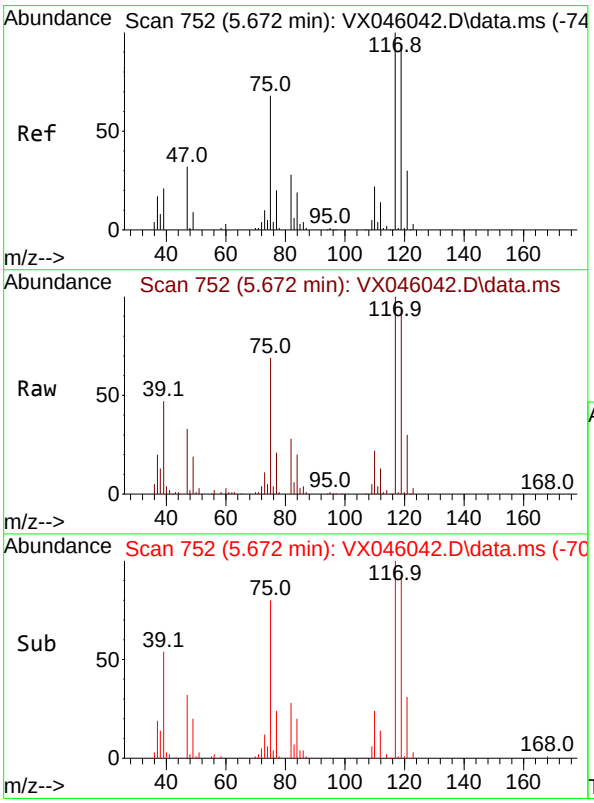

#37
Ethyl Acetate
Concen: 37.394 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 102537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 10.3 | 15.5 |
| 70 | 9.9 | 7.9 | 11.9 |

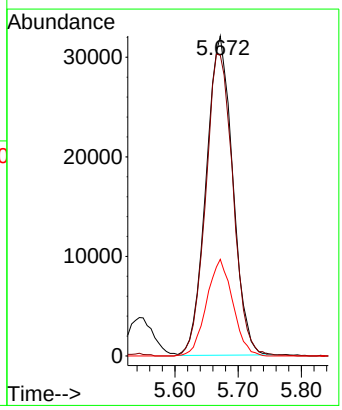


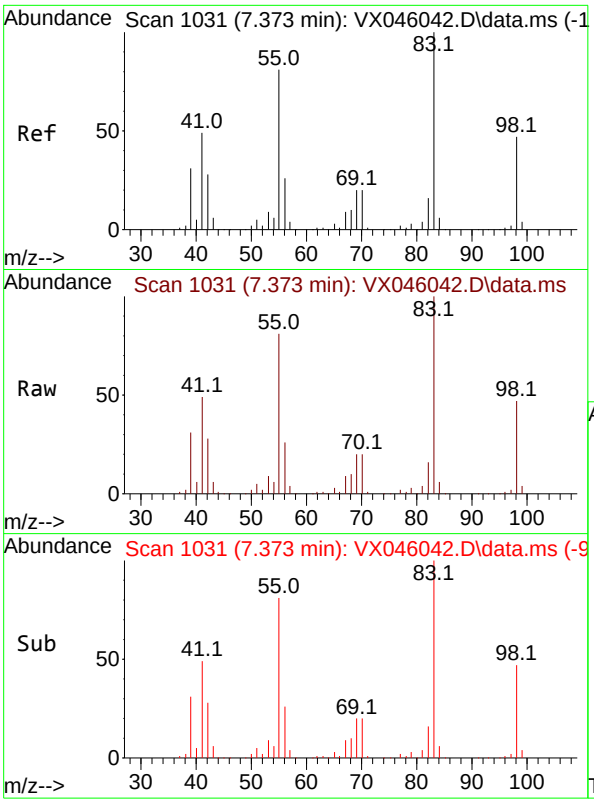




#38
Carbon Tetrachloride
Concen: 37.320 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 93712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.0 | 75.2 | 112.8 |
| 121 | 30.3 | 24.2 | 36.4 |



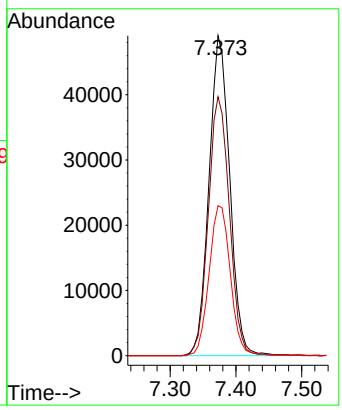


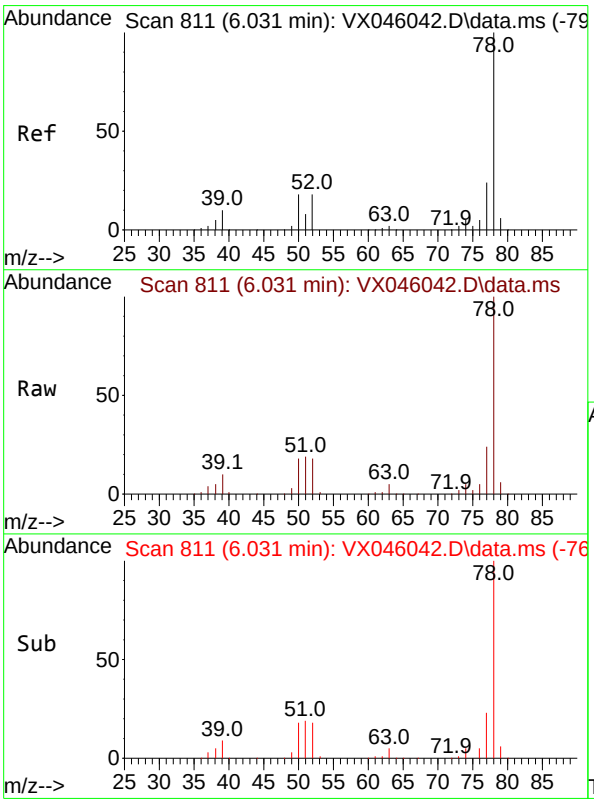

#39
Methylcyclohexane
Concen: 39.307 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 107651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.9 | 64.7 | 97.1 |
| 98 | 46.8 | 37.4 | 56.2 |

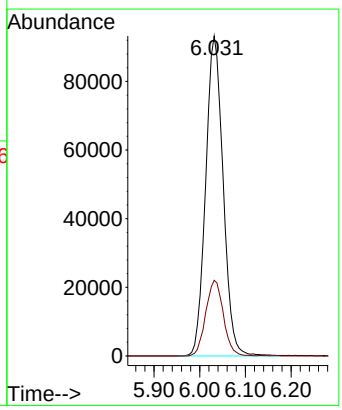


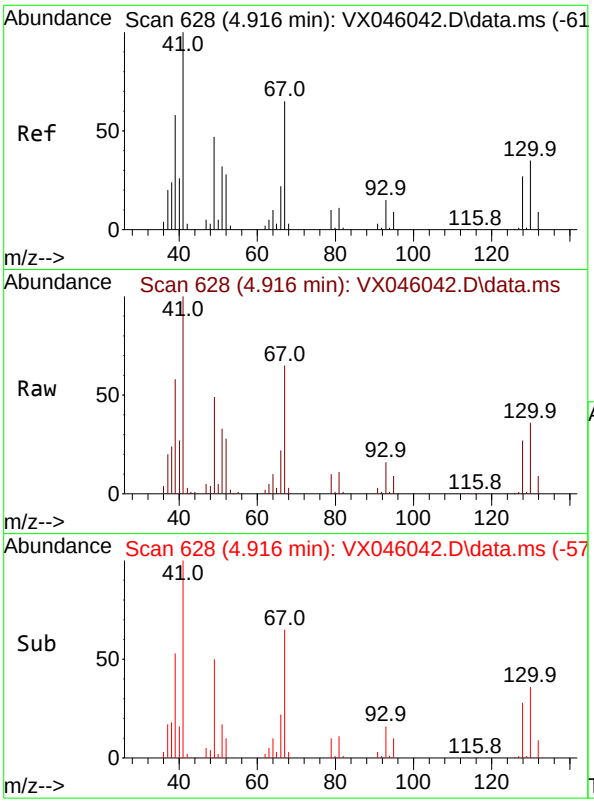




#40
Benzene
Concen: 36.530 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 78 Resp: 247476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.0 | 28.4 |



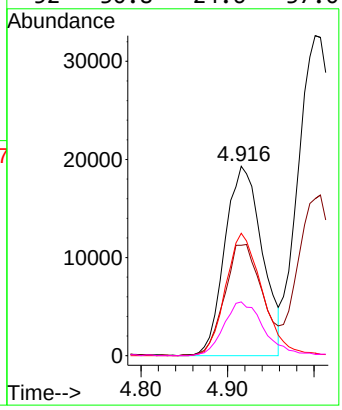


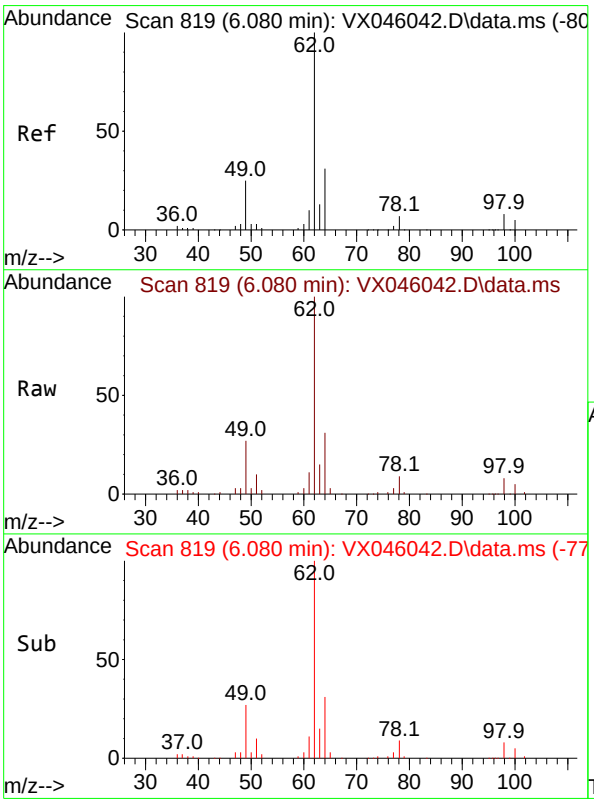

#41
Methacrylonitrile
Concen: 38.123 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 41 Resp: 58082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.0 | 47.2 | 70.8 |
| 67 | 63.4 | 50.7 | 76.1 |
| 52 | 30.8 | 24.6 | 37.0 |

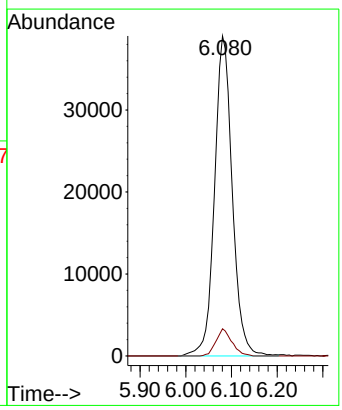


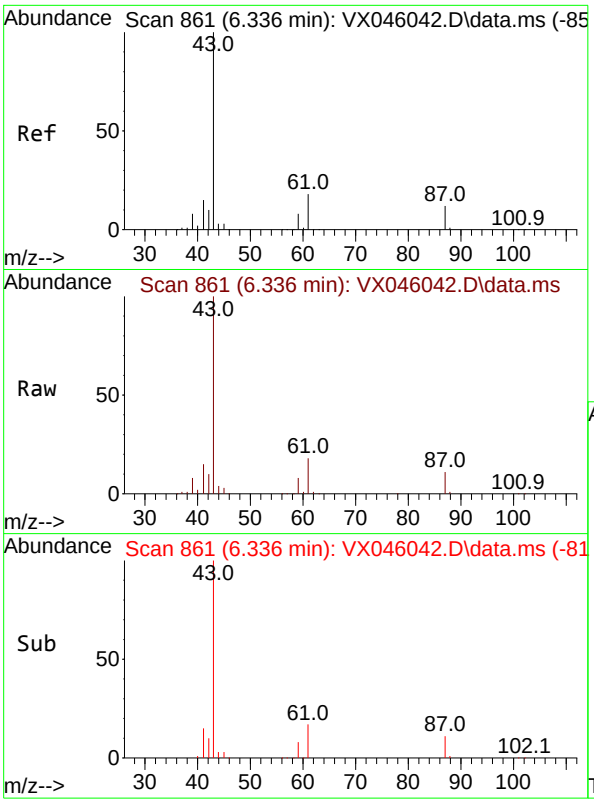




#42
1,2-Dichloroethane
Concen: 37.605 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 105332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.6 | 0.0 | 15.2 |



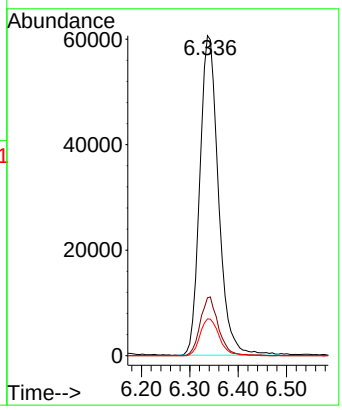


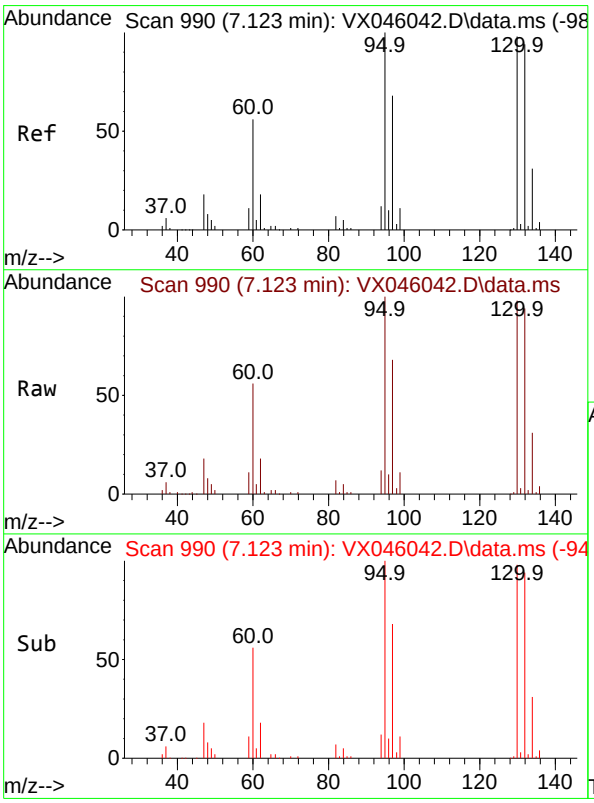

#43
Isopropyl Acetate
Concen: 38.598 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 161787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.9 | 14.3 | 21.5 |
| 87 | 11.9 | 9.5 | 14.3 |

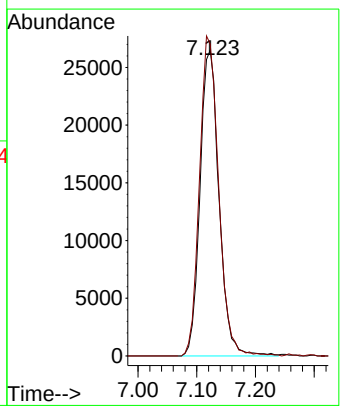


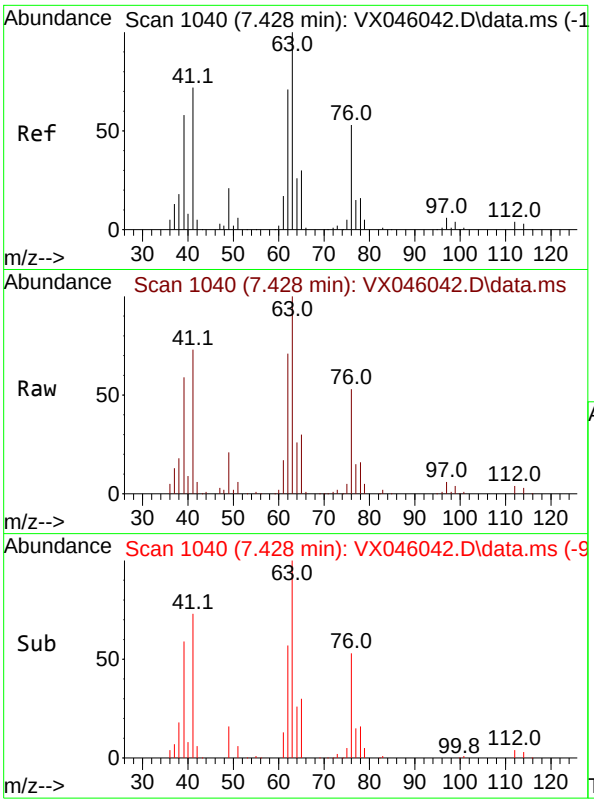




#44
Trichloroethene
Concen: 37.230 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:130 Resp: 59623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.1 | 0.0 | 204.2 |



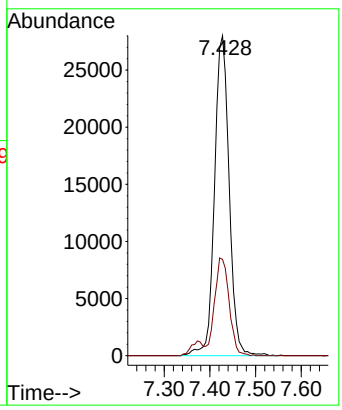


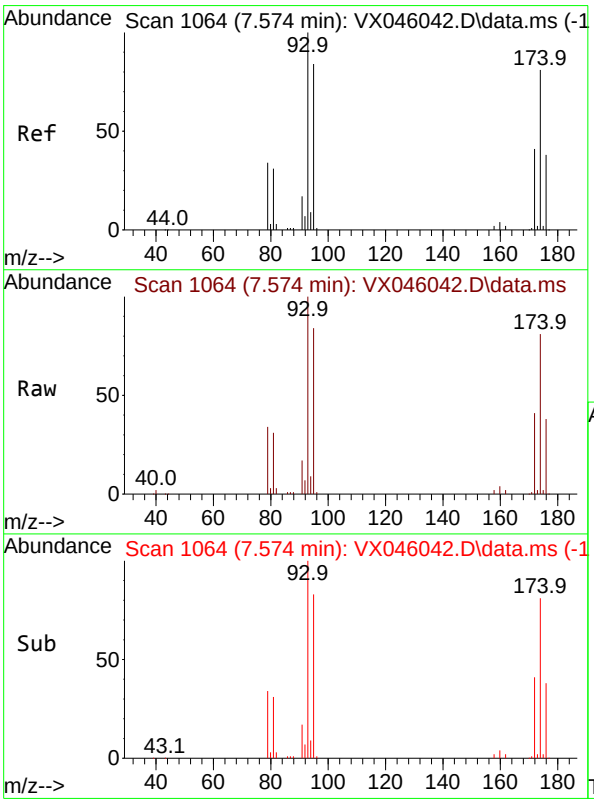

#45
1,2-Dichloropropane
Concen: 37.064 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 63 Resp: 62387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.1 | 24.1 | 36.1 |

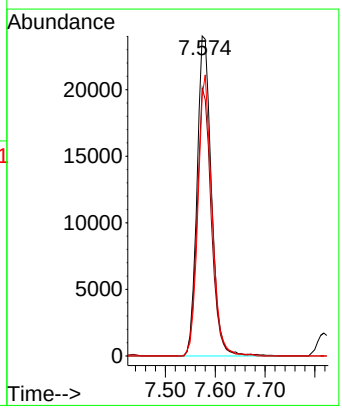


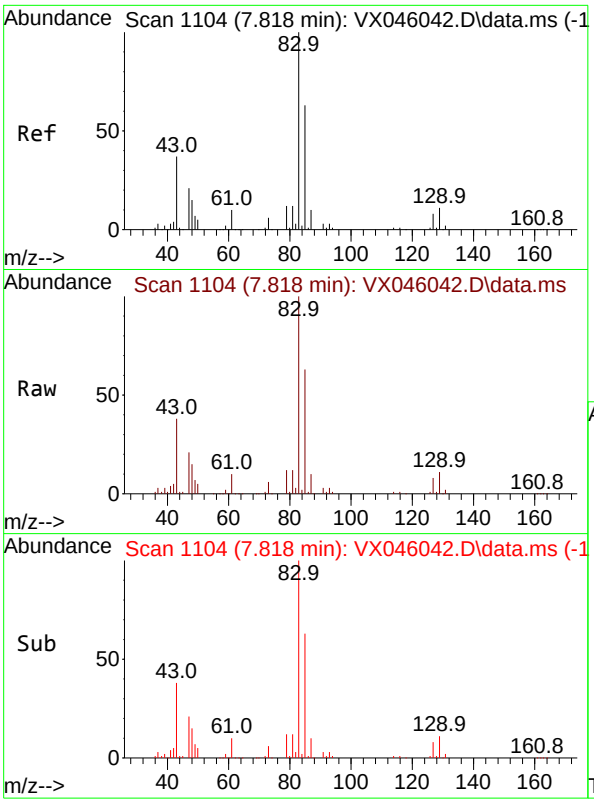




#46
Dibromomethane
Concen: 36.326 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 93 Resp: 48201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.0 | 65.6 | 98.4 |
| 174 | 85.2 | 68.2 | 102.2 |



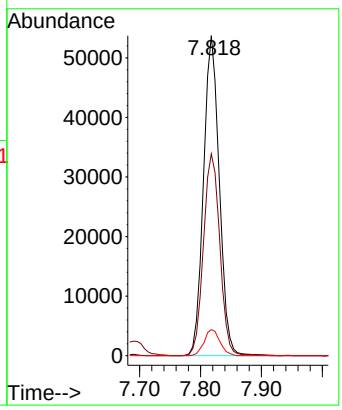


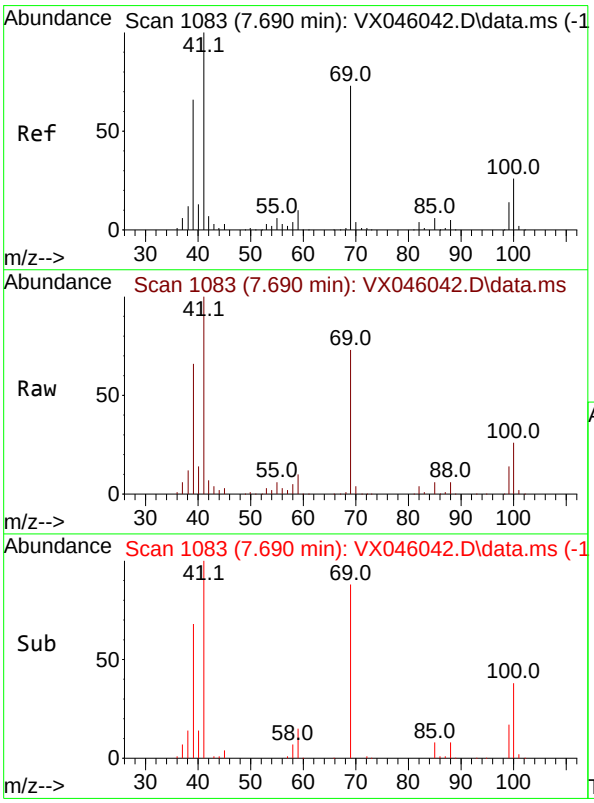

#47
Bromodichloromethane
Concen: 37.685 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 96916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 50.5 | 75.7 |
| 127 | 8.1 | 6.5 | 9.7 |

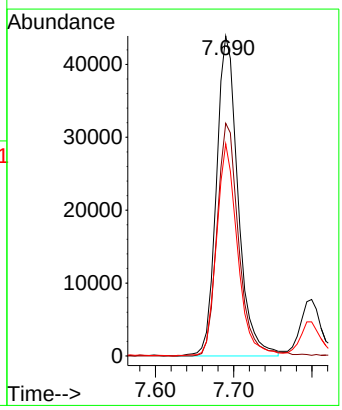


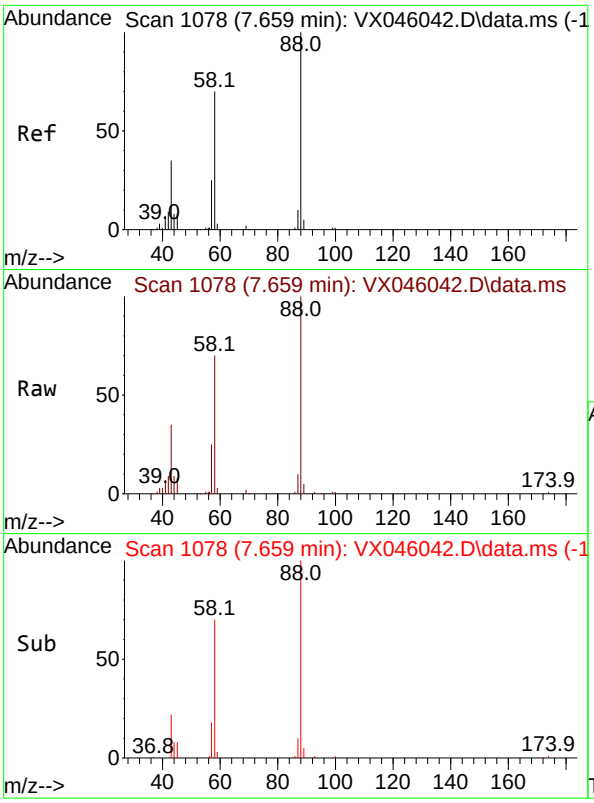




#48
Methyl methacrylate
Concen: 39.157 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 84277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 73.1 | 58.5 | 87.7 |
| 39 | 64.6 | 51.7 | 77.5 |



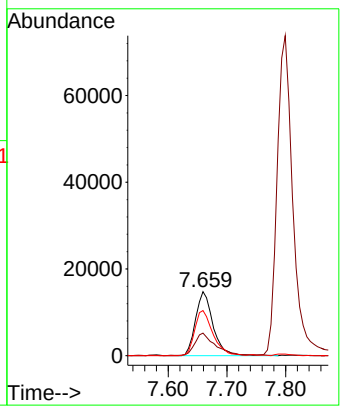


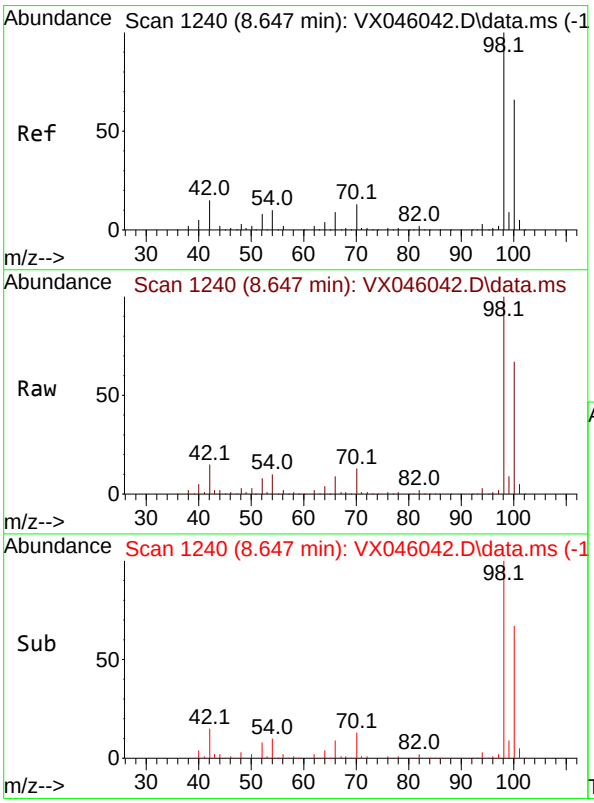

#49
1,4-Dioxane
Concen: 713.477 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 88 Resp: 30529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.8 | 33.4 | 50.2 |
| 58 | 73.3 | 58.6 | 88.0 |

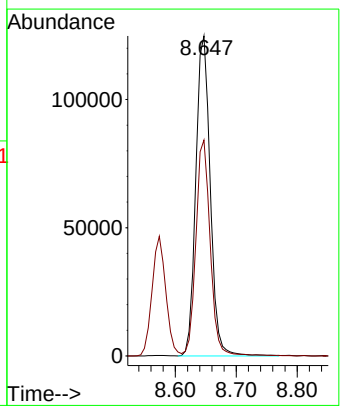


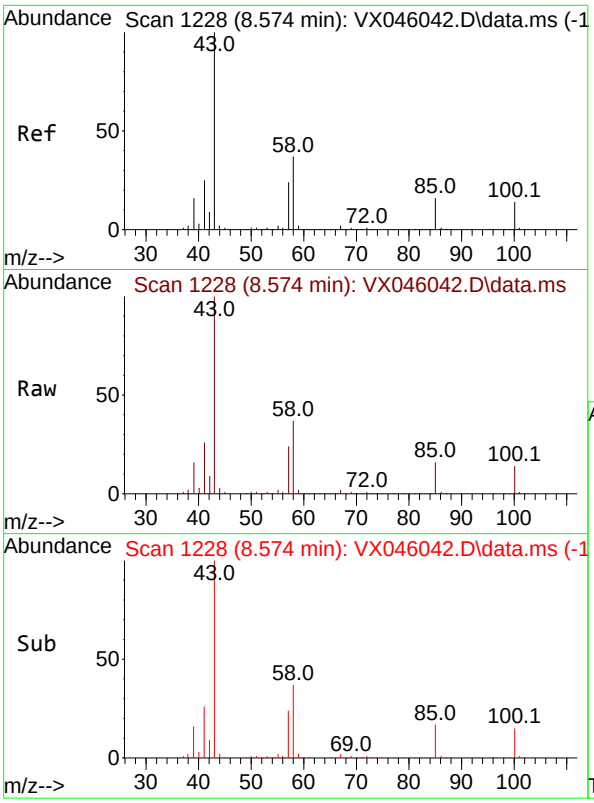




#50
Toluene-d8
Concen: 32.395 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 98 Resp: 205479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.5 | 80.3 |



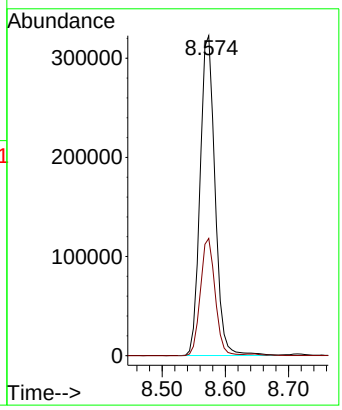


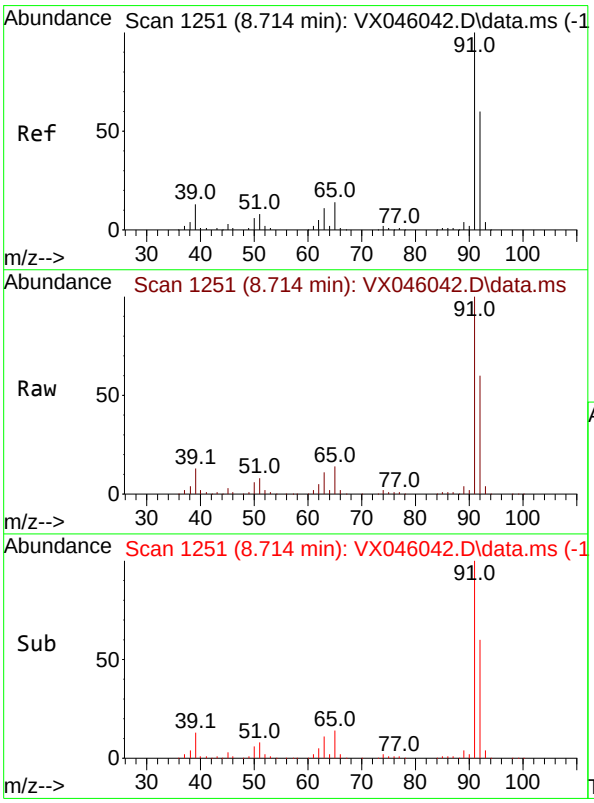

#51
4-Methyl-2-Pentanone
Concen: 193.653 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 532388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.1 | 28.9 | 43.3 |

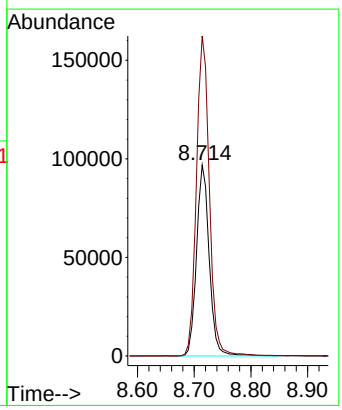


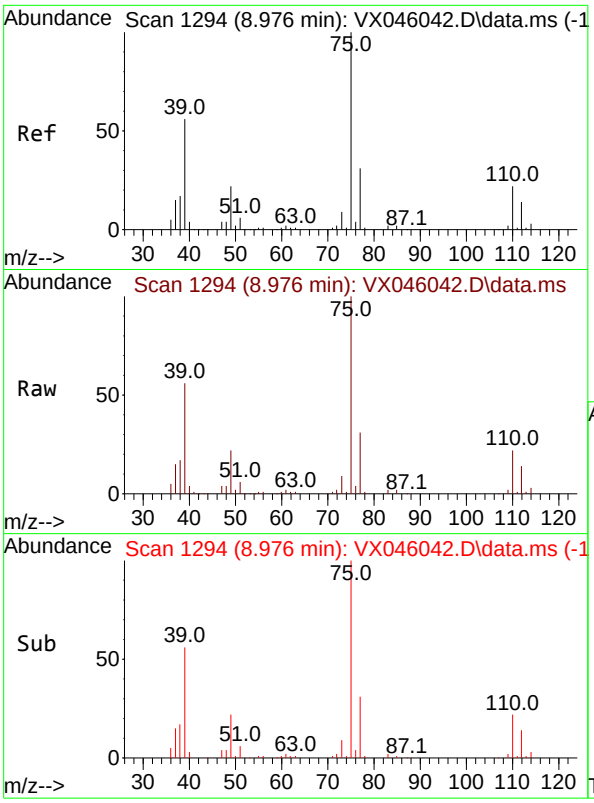




#52
Toluene
Concen: 37.530 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 92 Resp: 150757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.8 | 136.6 | 205.0 |



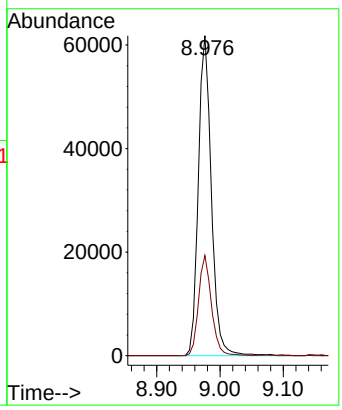


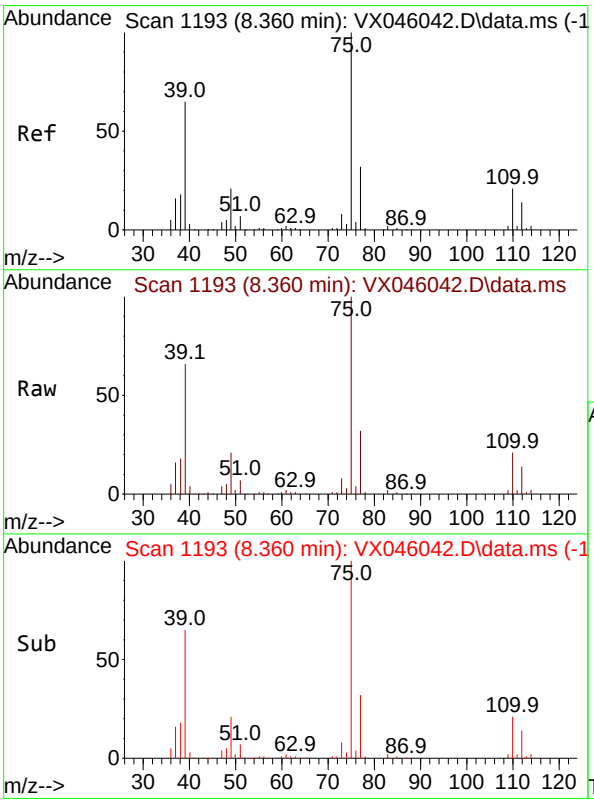

#53
t-1,3-Dichloropropene
Concen: 41.056 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 88655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.0 | 37.6 |

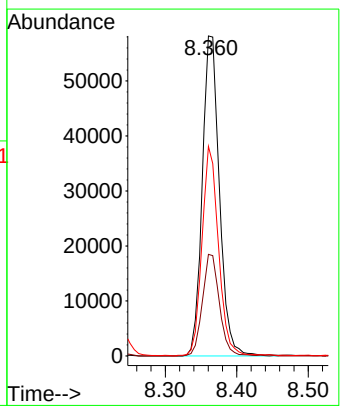


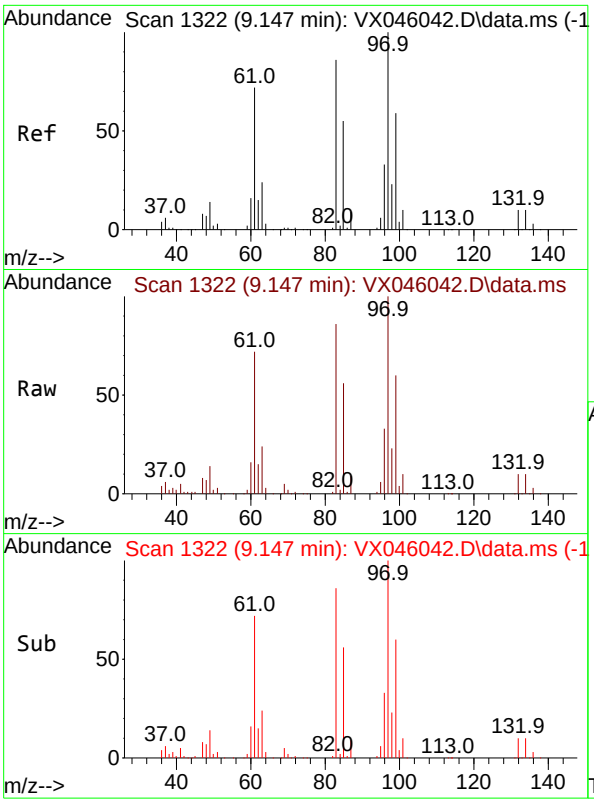




#54
cis-1,3-Dichloropropene
Concen: 38.521 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 97031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.4 | 38.0 |
| 39 | 65.3 | 52.2 | 78.4 |



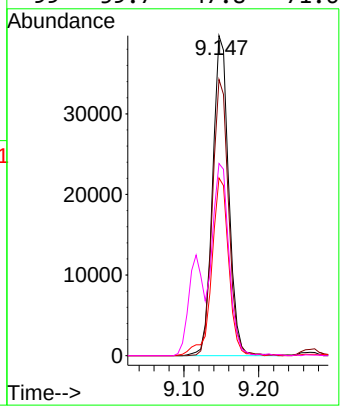


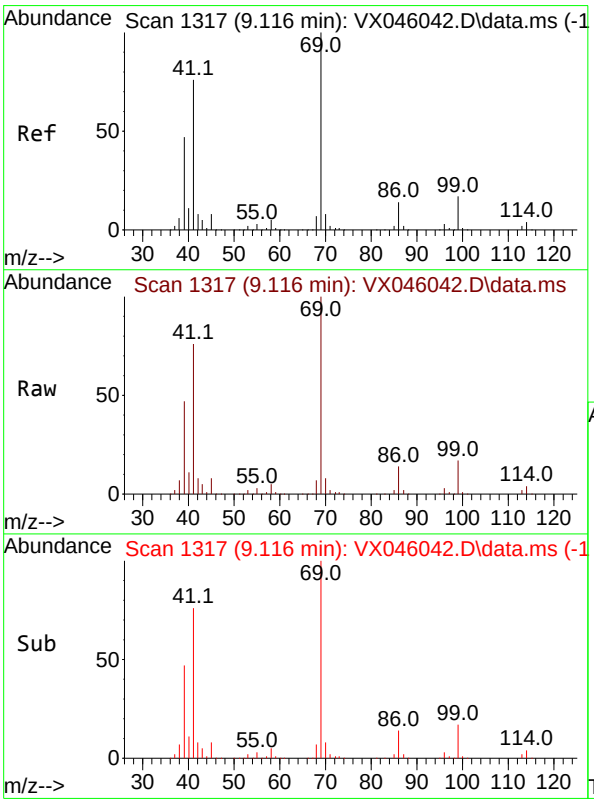

#55
1,1,2-Trichloroethane
Concen: 36.648 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 97 Resp: 59499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.3 | 69.0 | 103.6 |
| 85 | 55.4 | 44.3 | 66.5 |
| 99 | 59.7 | 47.8 | 71.6 |

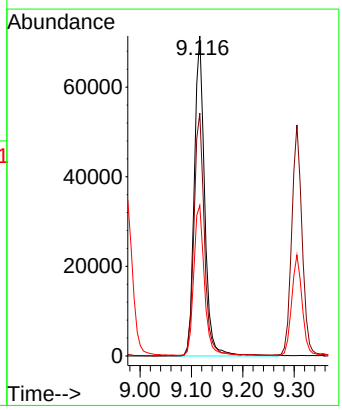


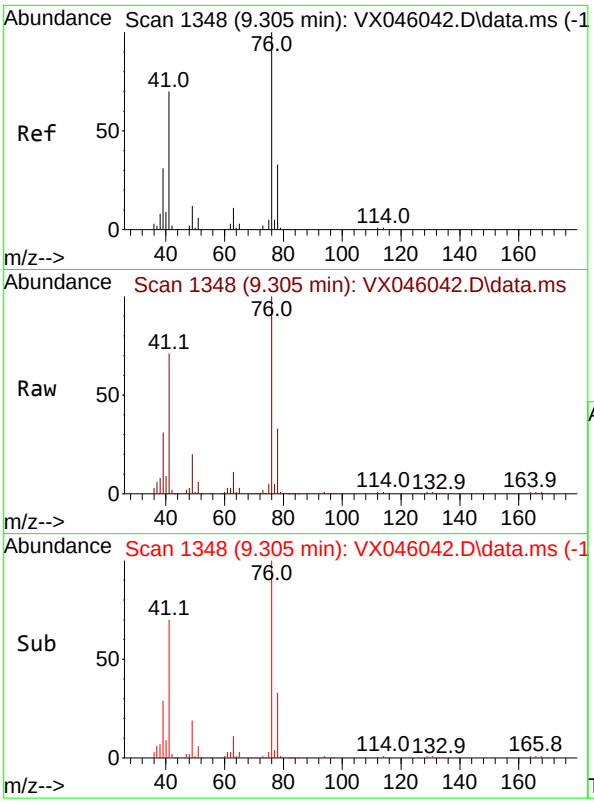




#56
Ethyl methacrylate
Concen: 39.726 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 69 Resp: 99947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 76.0 | 60.8 | 91.2 |
| 39 | 48.8 | 39.0 | 58.6 |



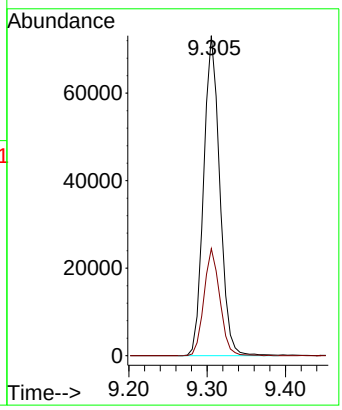


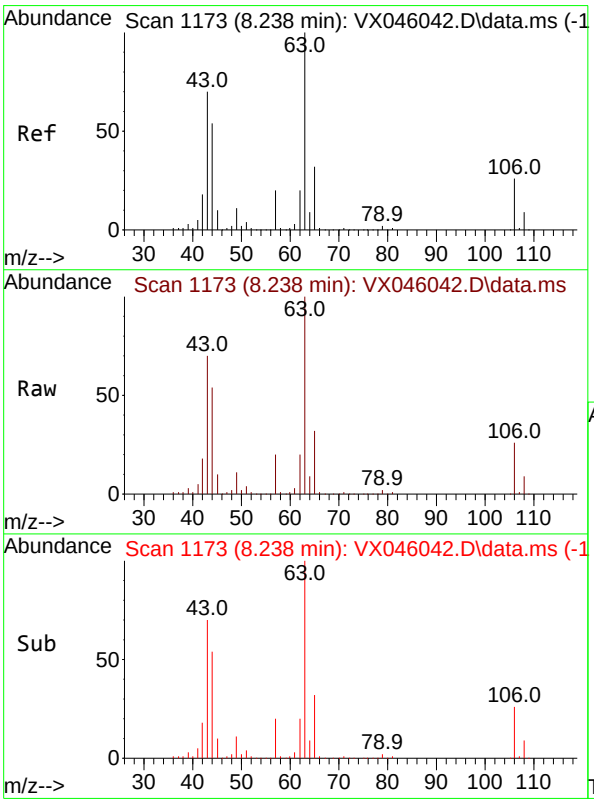

#57
1,3-Dichloropropane
Concen: 36.347 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 104606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.9 | 26.3 | 39.5 |

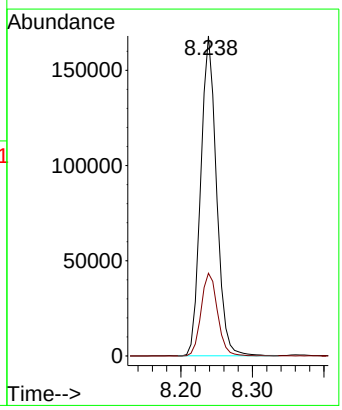


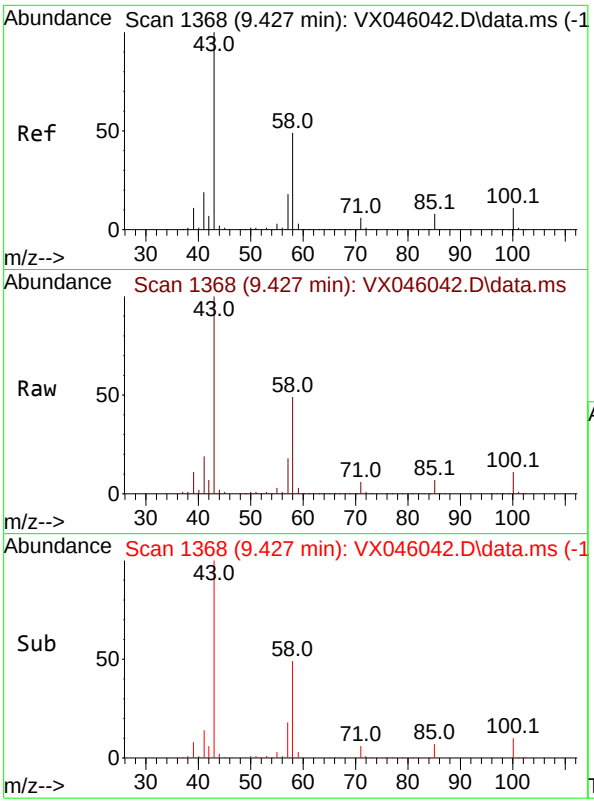




#58
2-Chloroethyl Vinyl ether
Concen: 227.902 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 257678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.9 | 21.5 | 32.3 |



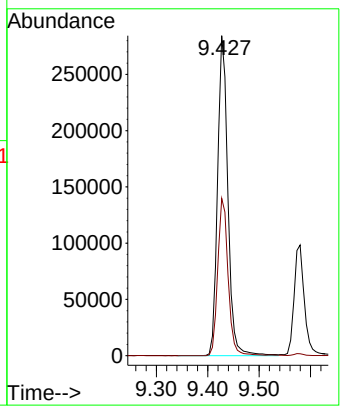


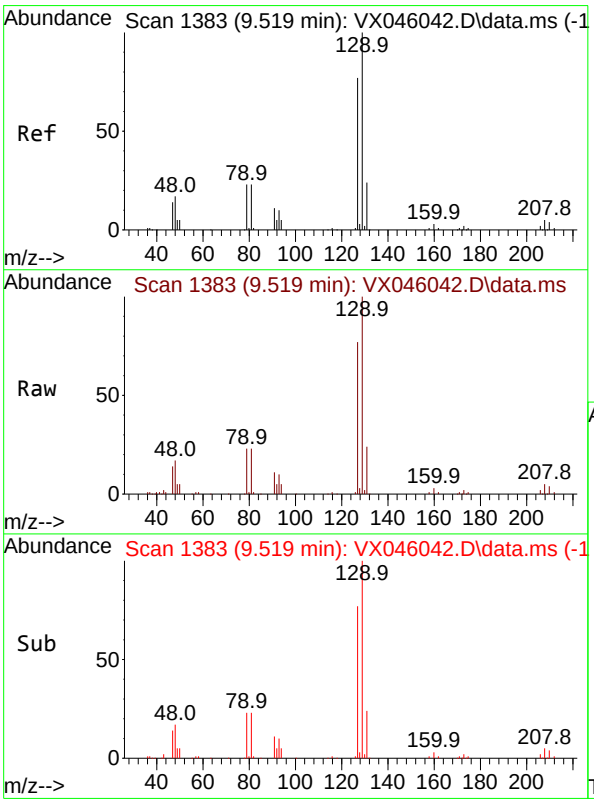

#59
2-Hexanone
Concen: 190.168 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 396784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.7 | 24.9 | 74.6 |

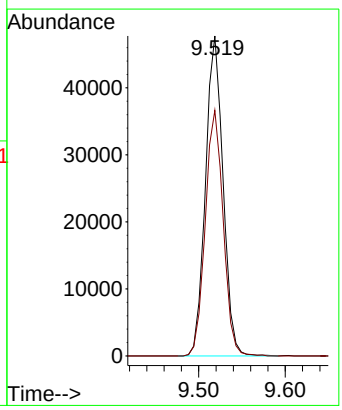


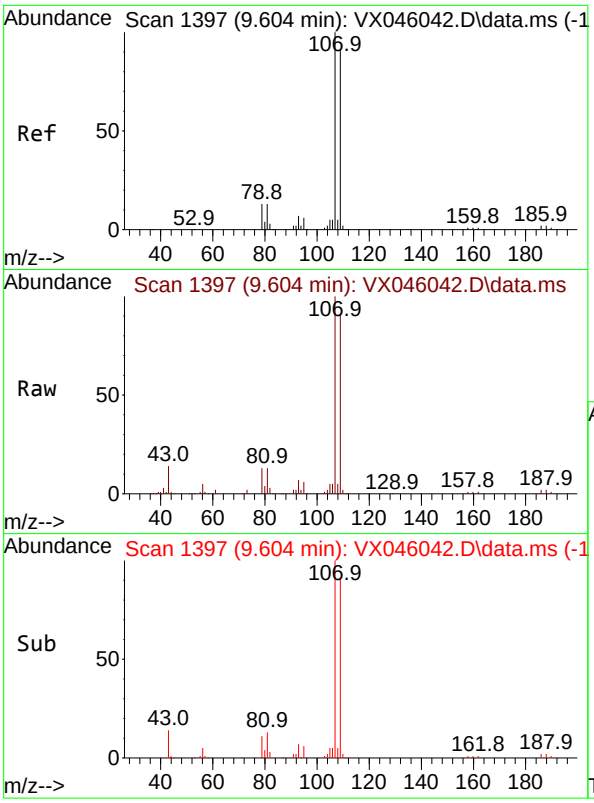




#60
Dibromochloromethane
Concen: 38.027 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:129 Resp: 67198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.5 | 39.3 | 117.8 |



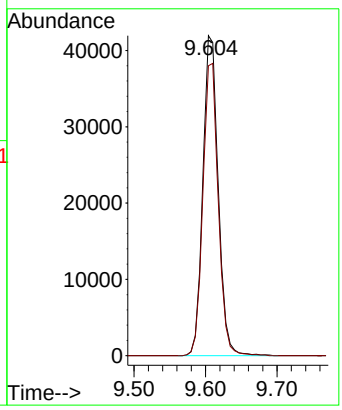


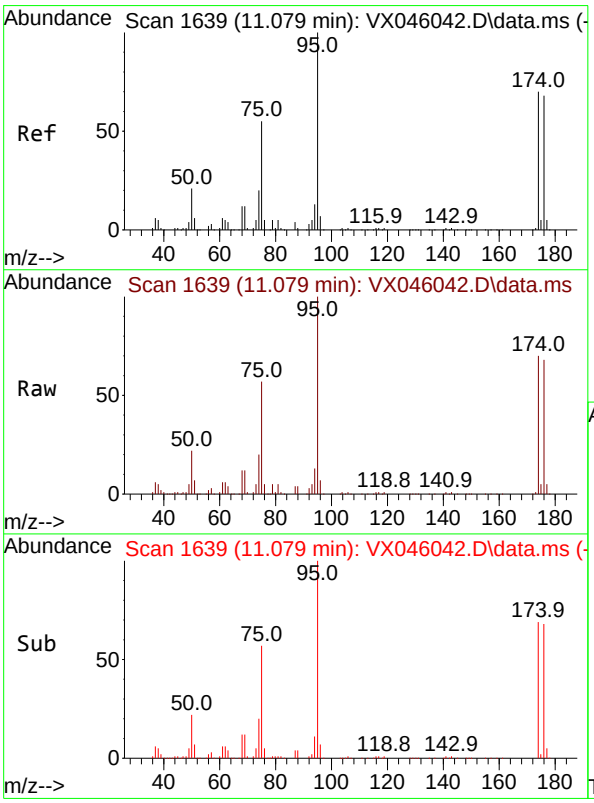

#61
1,2-Dibromoethane
Concen: 37.567 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:107 Resp: 62633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.6 | 73.3 | 109.9 |

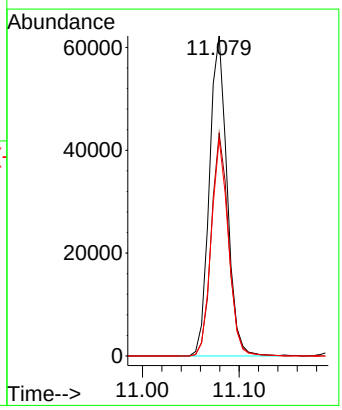


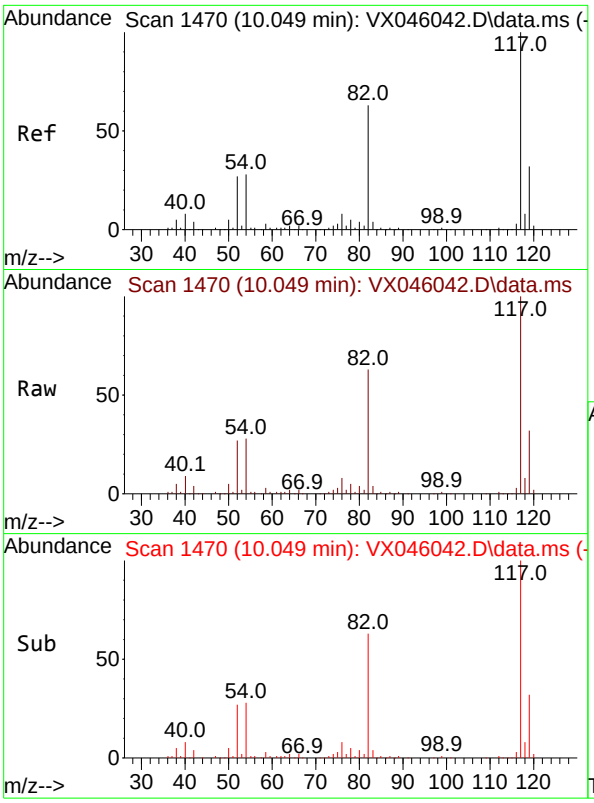




#62
4-Bromofluorobenzene
Concen: 34.229 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 95 Resp: 79012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.9 | 0.0 | 135.8 |
| 176 | 65.7 | 0.0 | 131.4 |



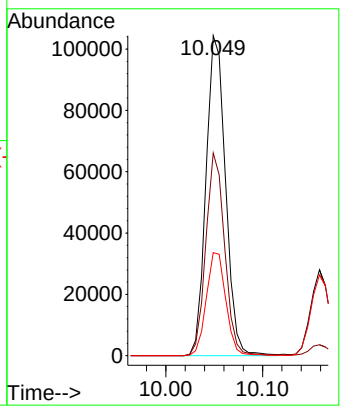


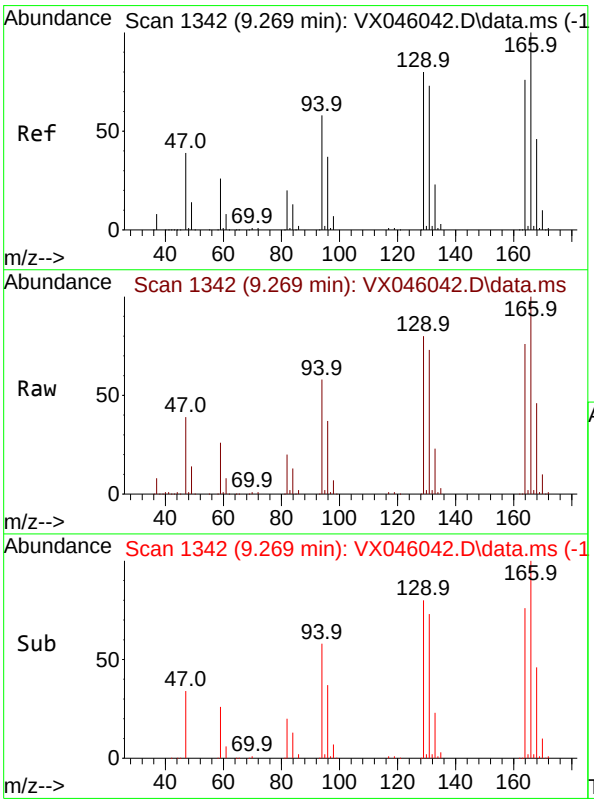

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:117 Resp: 146257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 63.3 | 50.6 | 76.0 |
| 119 | 32.2 | 25.8 | 38.6 |

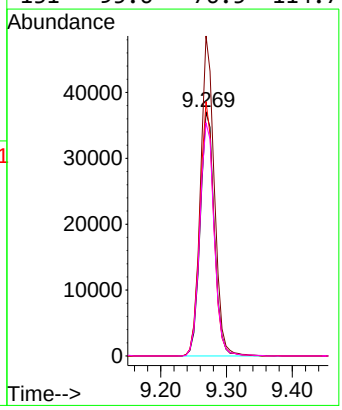


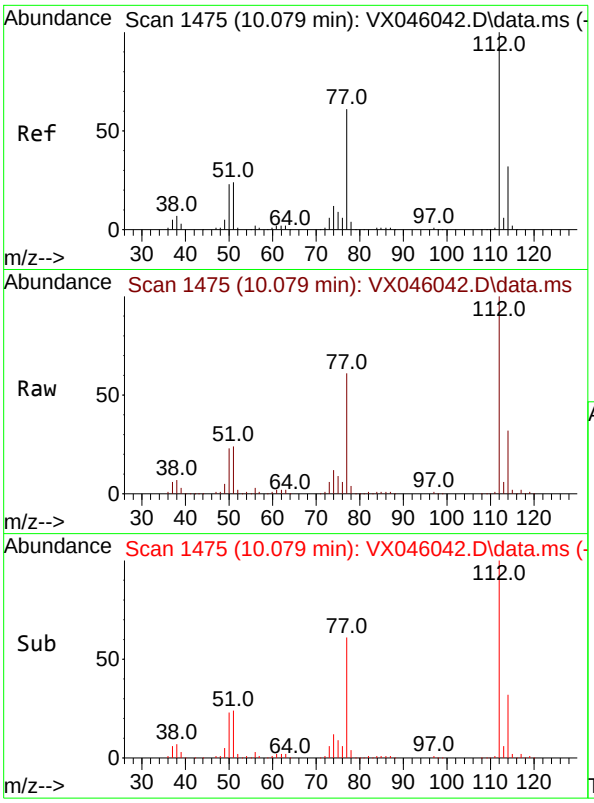




#64
Tetrachloroethene
Concen: 36.726 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:164 Resp: 54853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.3 | 105.0 | 157.6 |
| 129 | 104.4 | 83.5 | 125.3 |
| 131 | 95.6 | 76.5 | 114.7 |



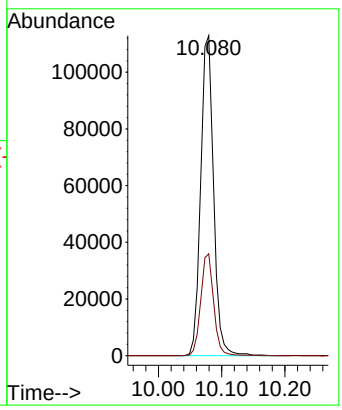


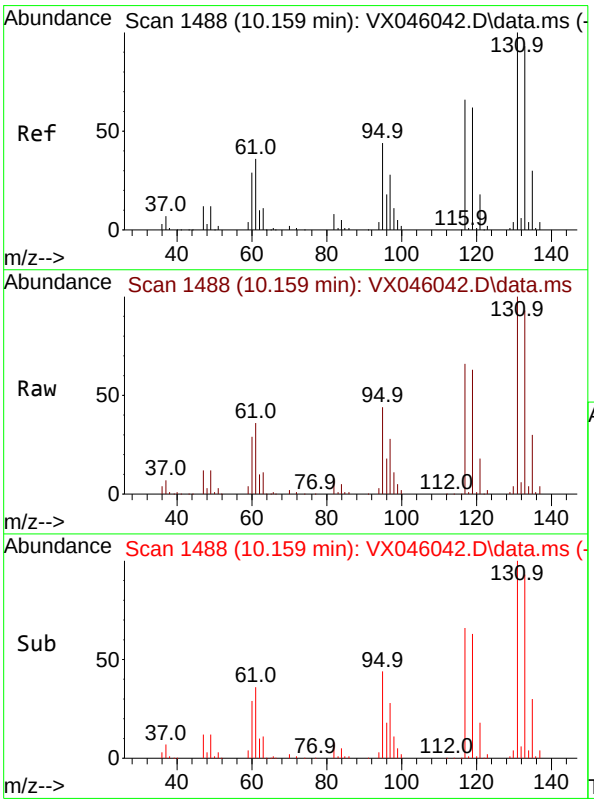

#65
Chlorobenzene
Concen: 35.686 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:112 Resp: 160600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 25.4 | 38.2 |

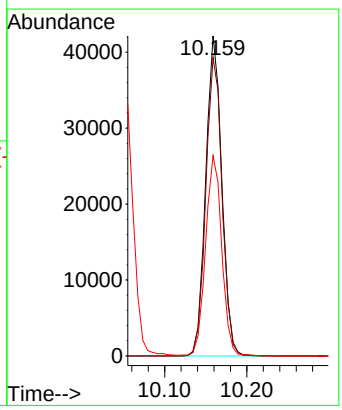


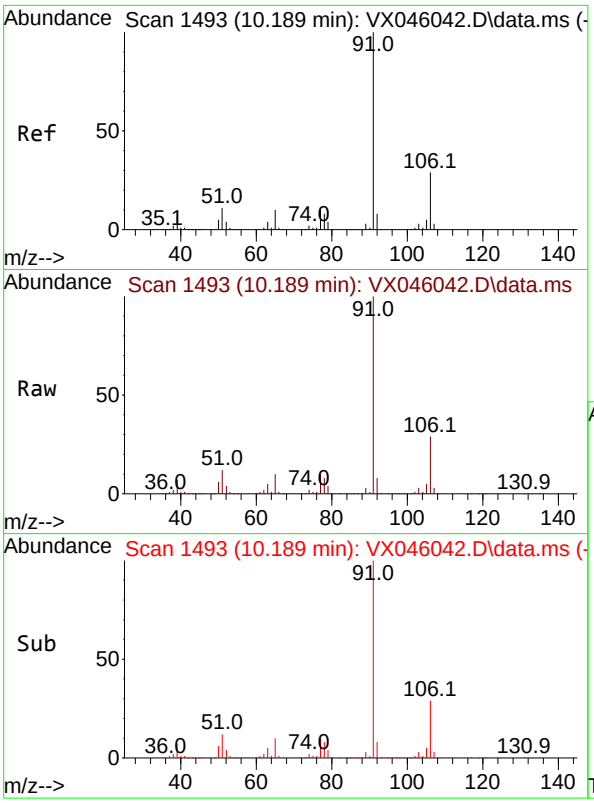




#66
1,1,1,2-Tetrachloroethane
Concen: 38.017 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:131 Resp: 57066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.6 | 47.3 | 141.9 |
| 119 | 63.3 | 31.6 | 95.0 |



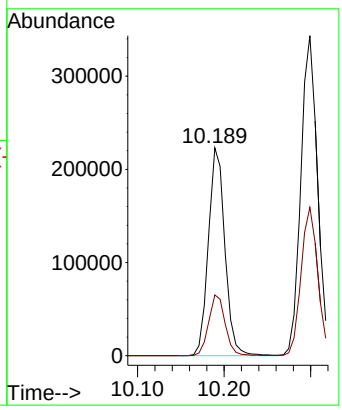


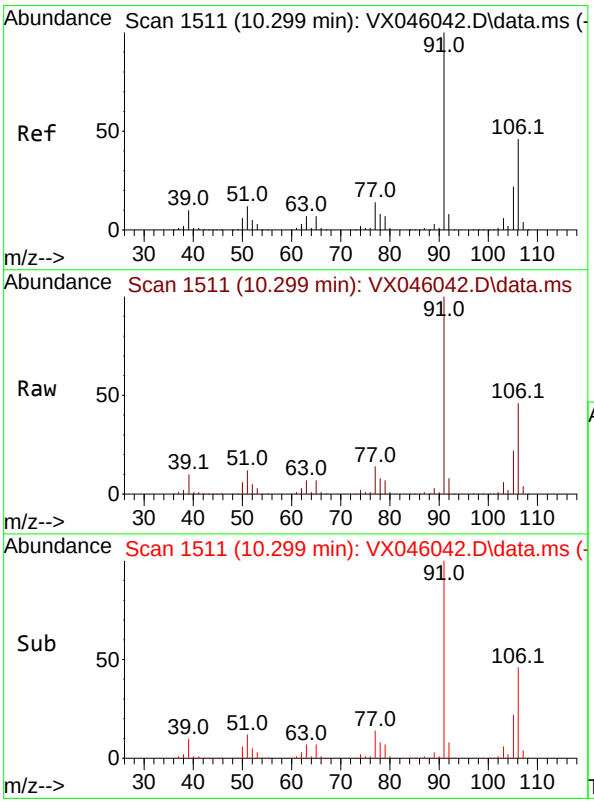

#67
Ethyl Benzene
Concen: 38.543 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 295712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.3 | 23.4 | 35.2 |

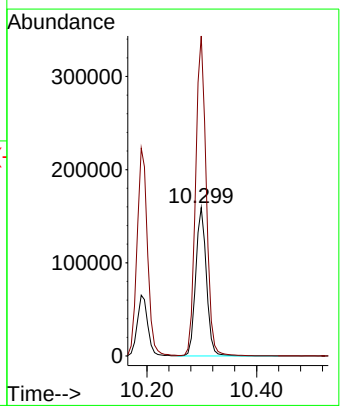


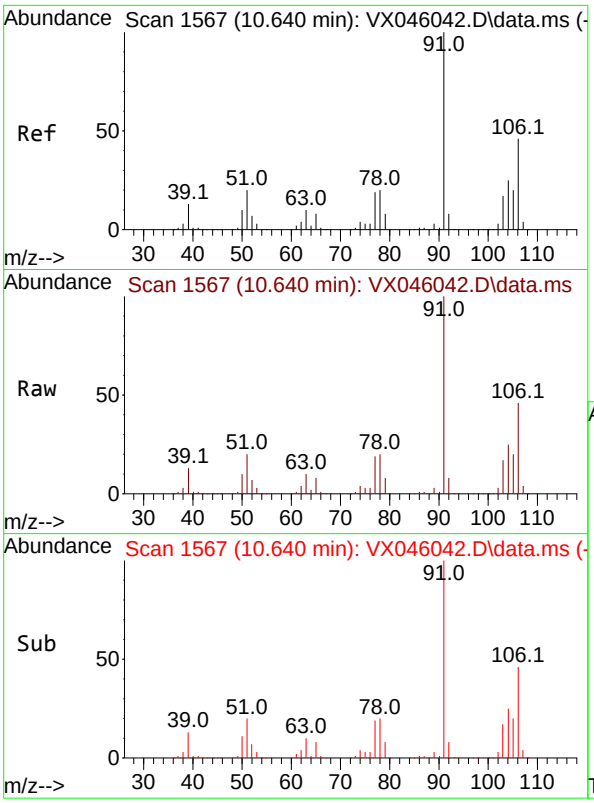




#68
m/p-Xylenes
Concen: 78.142 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:106 Resp: 216578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.0 | 171.2 | 256.8 |



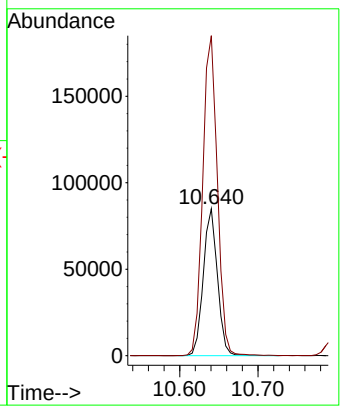


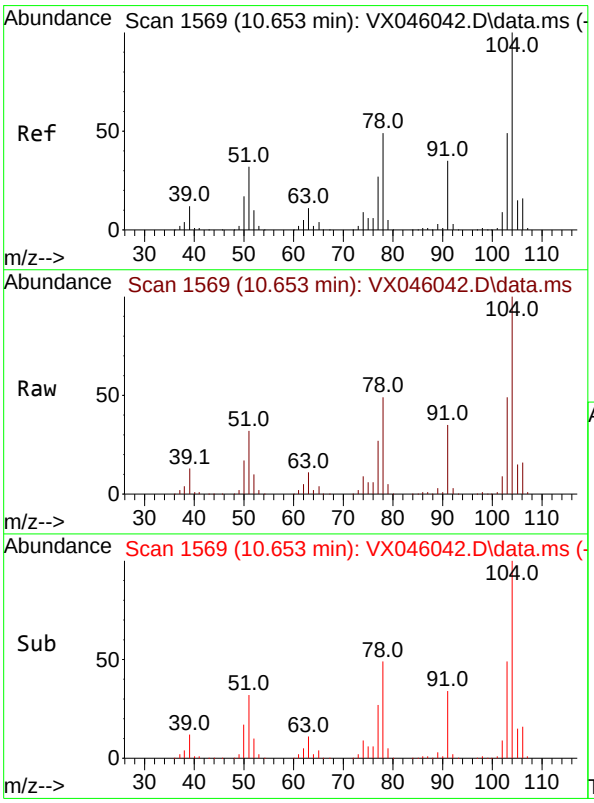

#69
o-Xylene
Concen: 38.064 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:106 Resp: 106335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 225.4 | 112.7 | 338.1 |

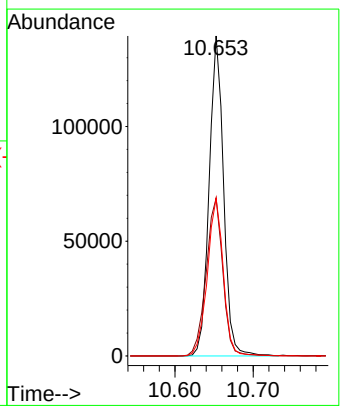


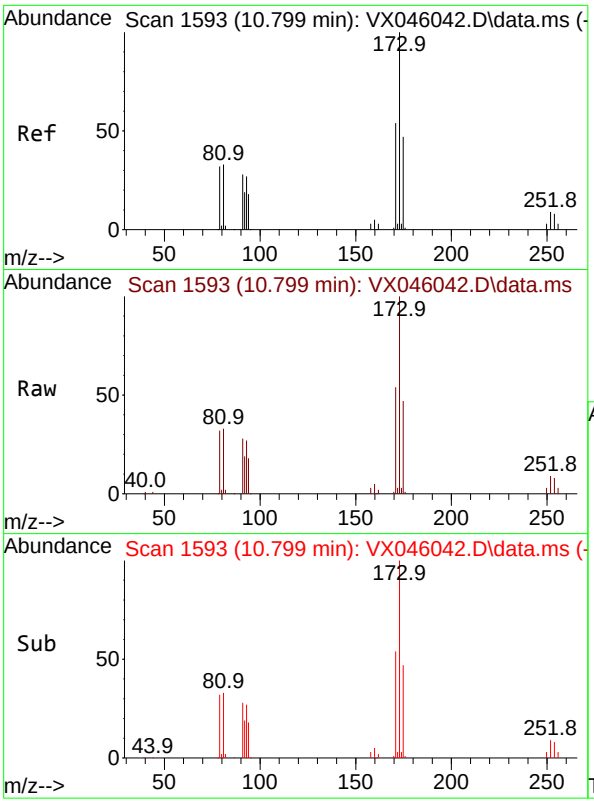




#70
Styrene
Concen: 39.888 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:104 Resp: 178313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.1 | 45.7 | 68.5 |
| 103 | 54.6 | 43.7 | 65.5 |



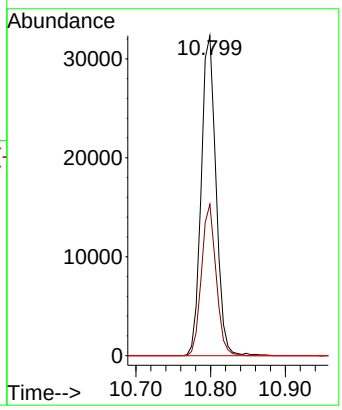


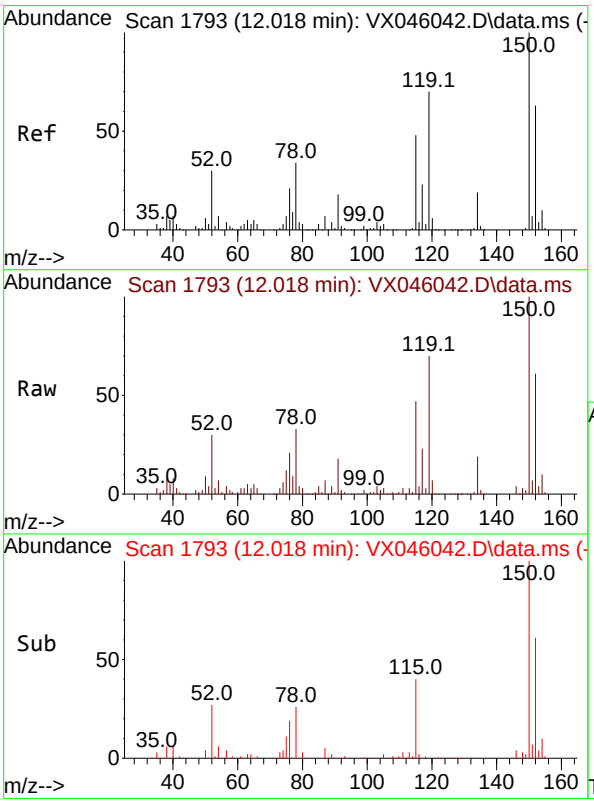

#71
Bromoform
Concen: 39.457 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:173 Resp: 44486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.7 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |

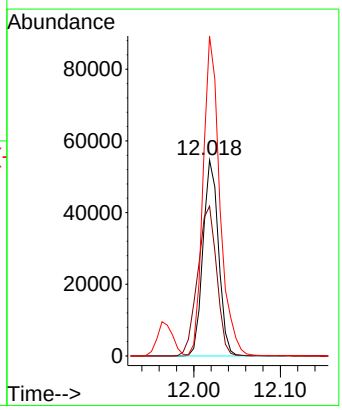


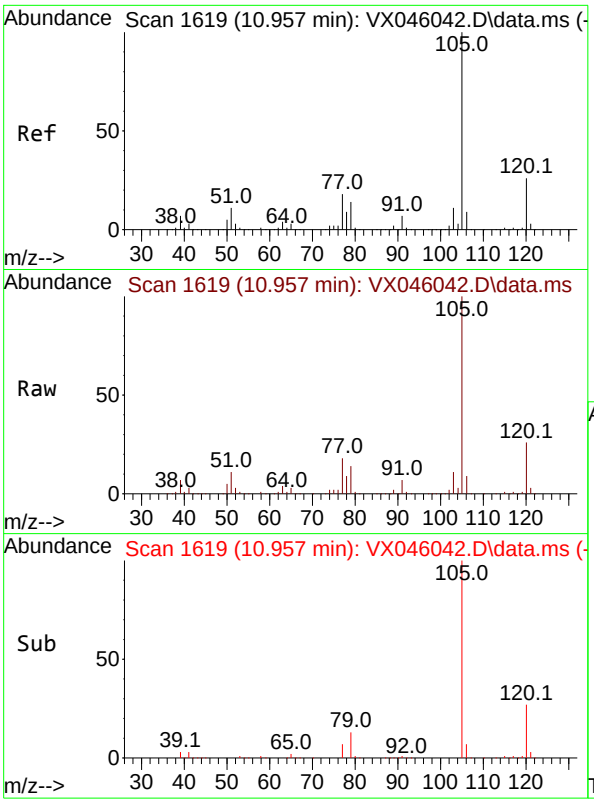




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:152 Resp: 67976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 93.8 | 46.9 | 140.7 |
| 150 | 175.5 | 0.0 | 351.0 |



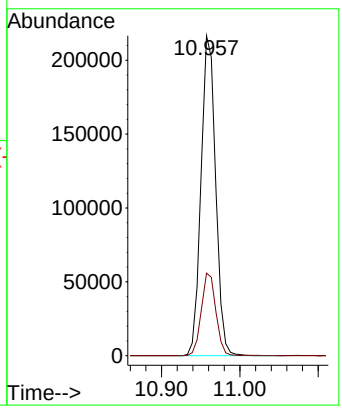


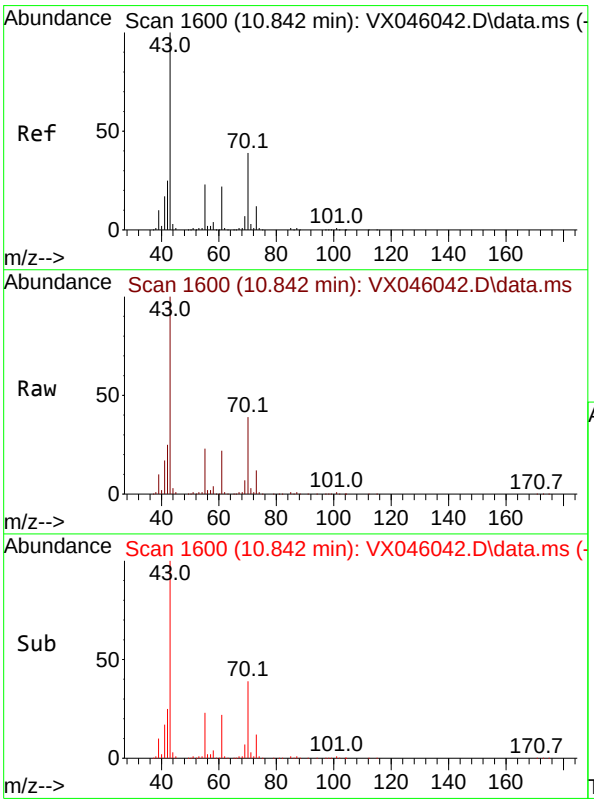

#73
Isopropylbenzene
Concen: 37.865 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 280719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 12.8 | 38.4 |

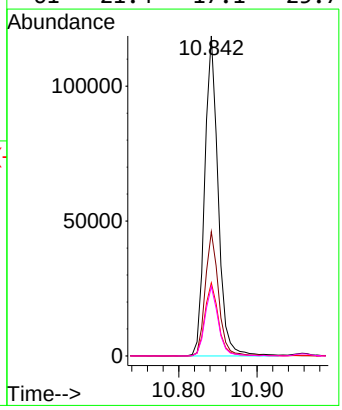


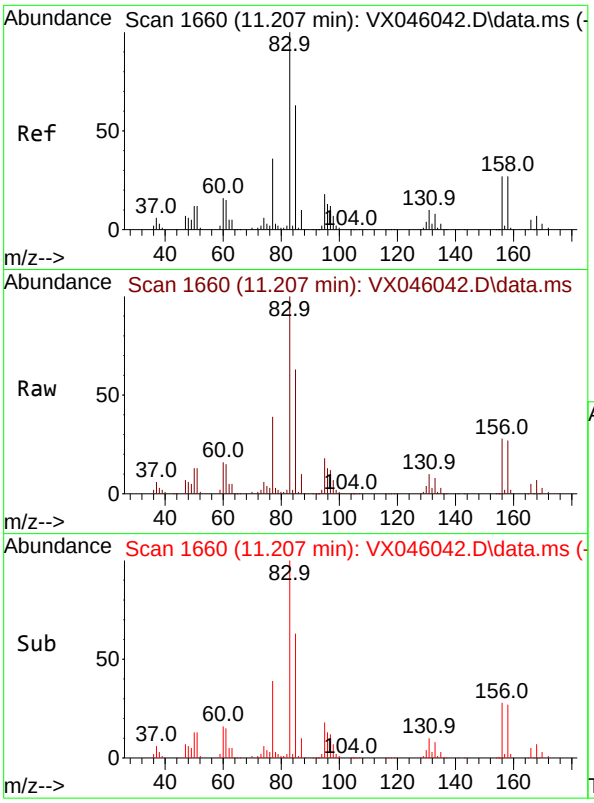




#74
N-amyl acetate
Concen: 38.012 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 140509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.6 | 30.9 | 46.3 |
| 55 | 23.4 | 18.7 | 28.1 |
| 61 | 21.4 | 17.1 | 25.7 |



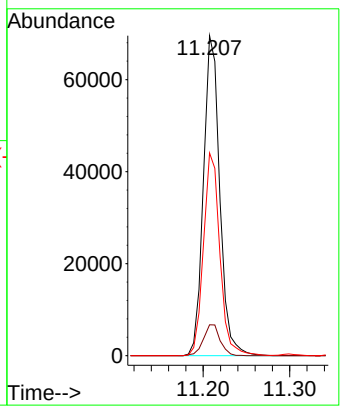


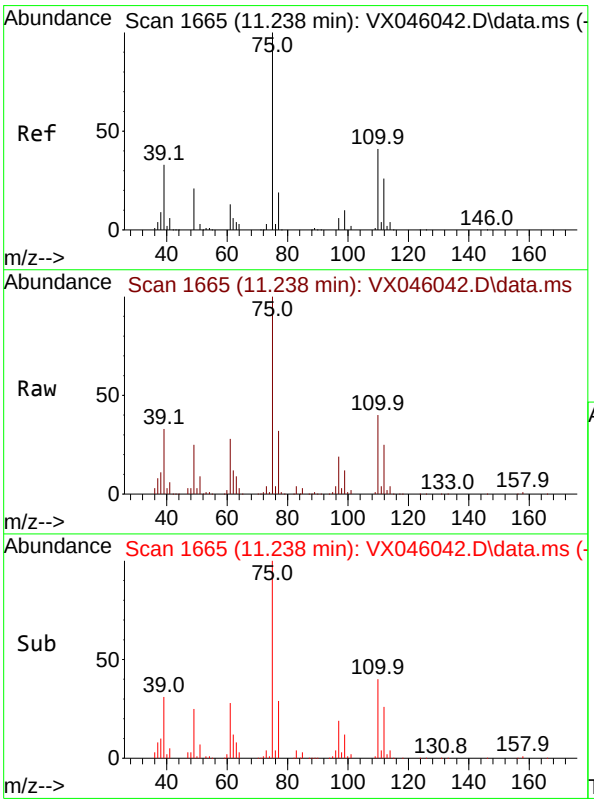

#75
1,1,2,2-Tetrachloroethane
Concen: 34.495 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 90975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.0 | 14.9 |
| 85 | 63.8 | 31.9 | 95.7 |

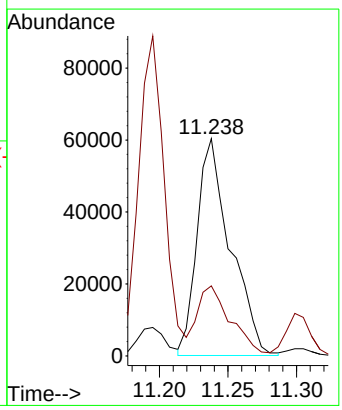


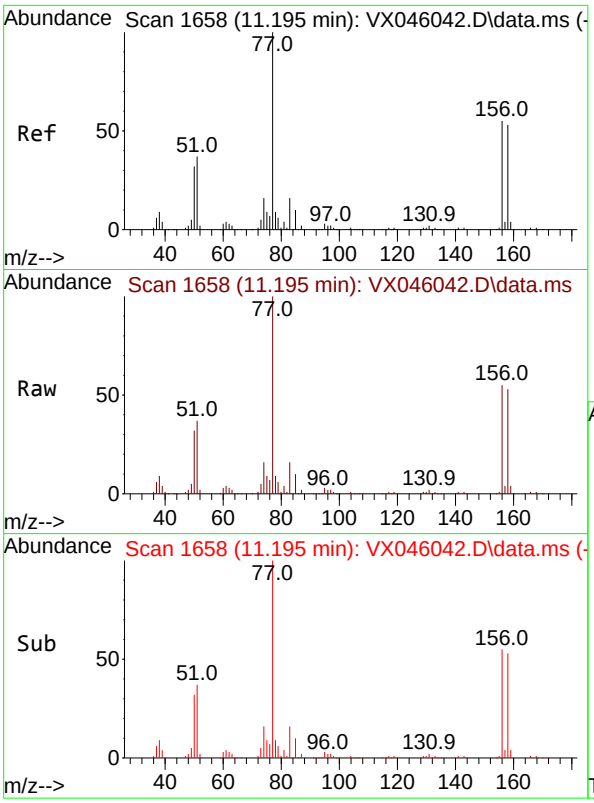




#76
1,2,3-Trichloropropane
Concen: 36.110 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 102335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 20.5 | 61.5 |



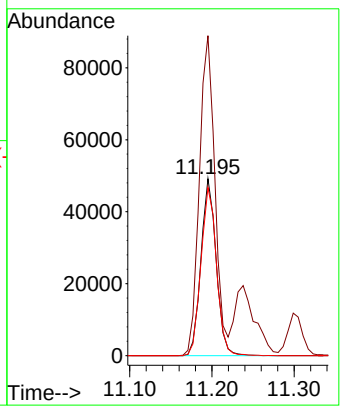


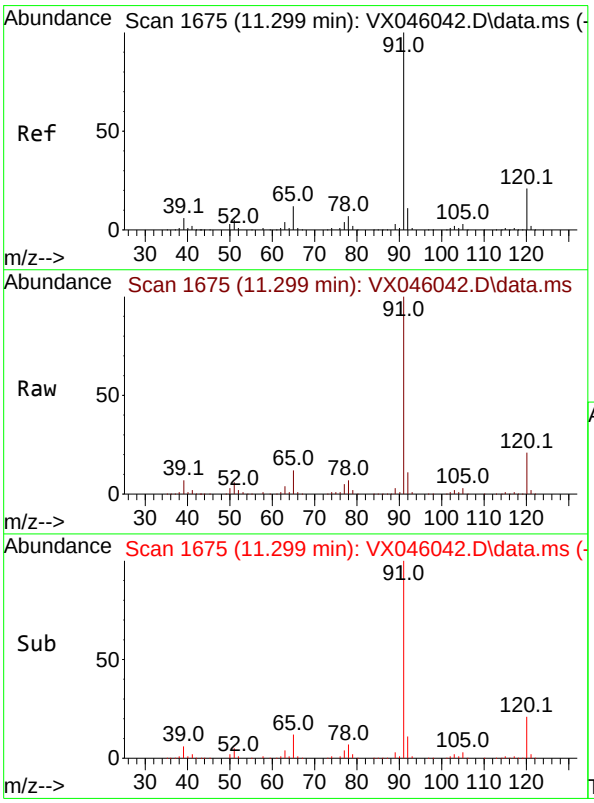

#77
Bromobenzene
Concen: 36.763 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:156 Resp: 63053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.5 | 92.8 | 278.3 |
| 158 | 97.5 | 48.8 | 146.3 |

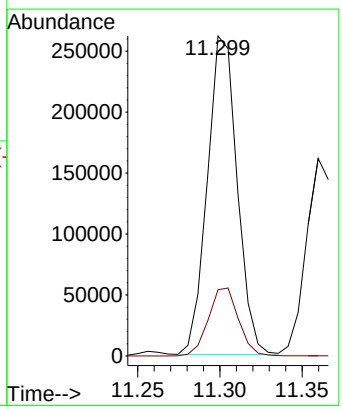


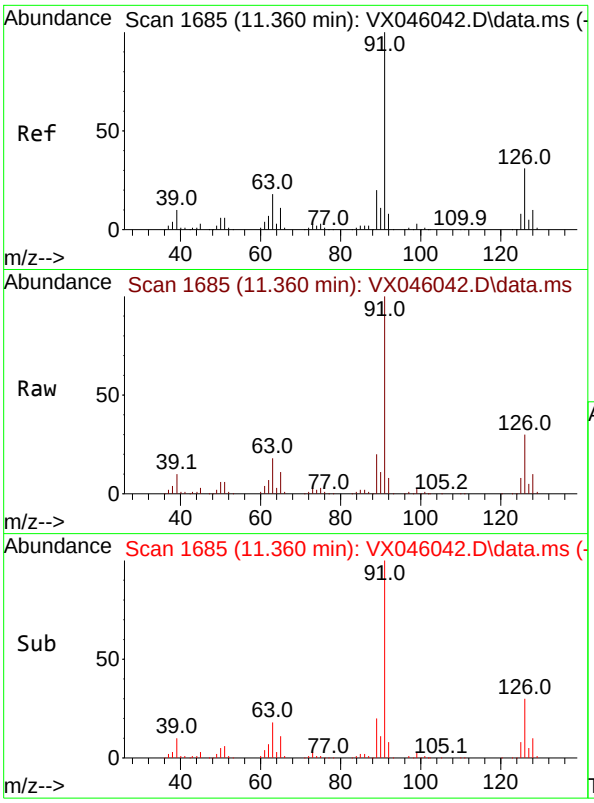




#78
n-propylbenzene
Concen: 39.707 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 329981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.6 | 10.8 | 32.4 |



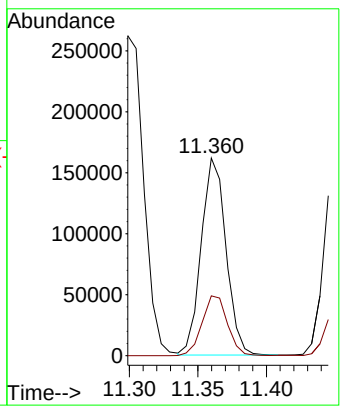


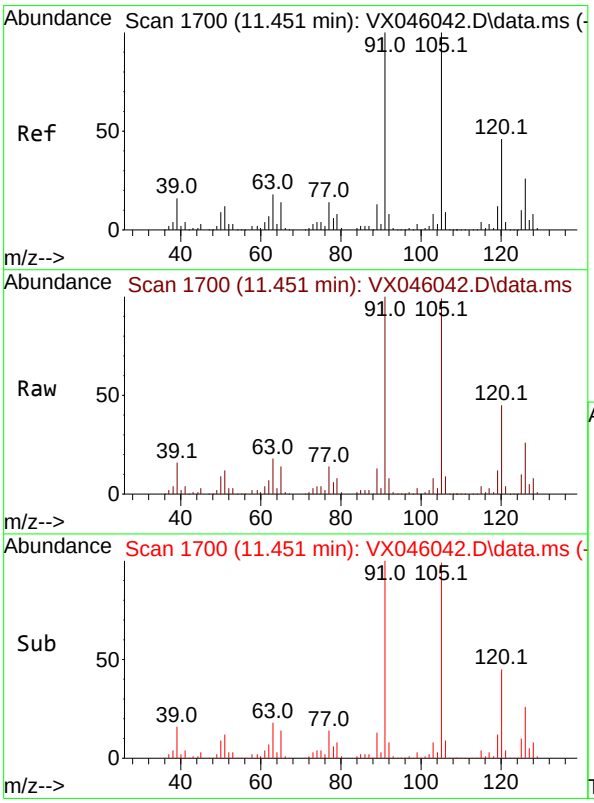

#79
2-Chlorotoluene
Concen: 36.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 203509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.1 | 15.6 | 46.7 |

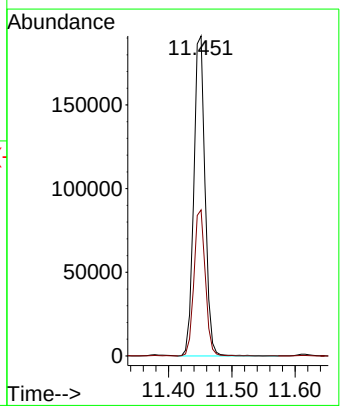


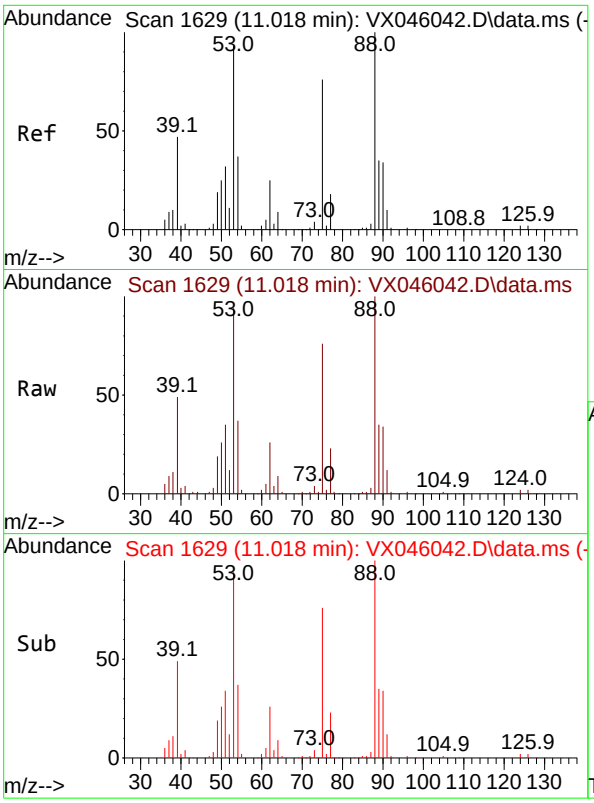




#80
1,3,5-Trimethylbenzene
Concen: 38.516 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 237066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.1 | 23.1 | 69.2 |



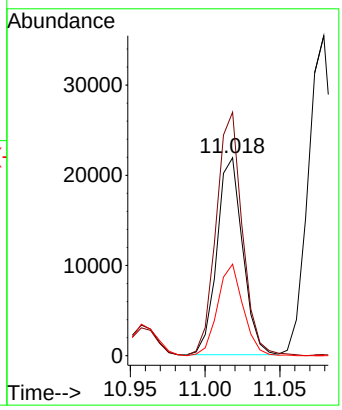


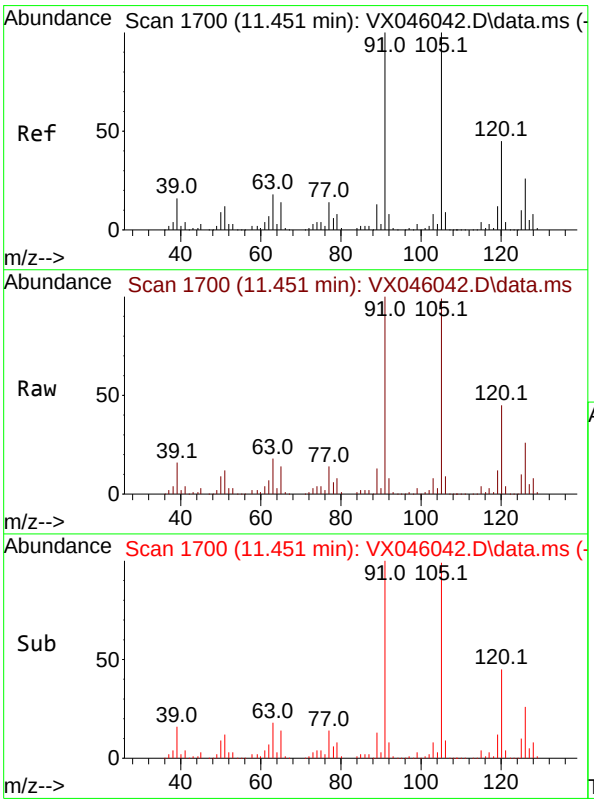

#81
trans-1,4-Dichloro-2-butene
Concen: 38.445 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 26179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 125.6 | 100.5 | 150.7 |
| 89 | 46.3 | 37.0 | 55.6 |

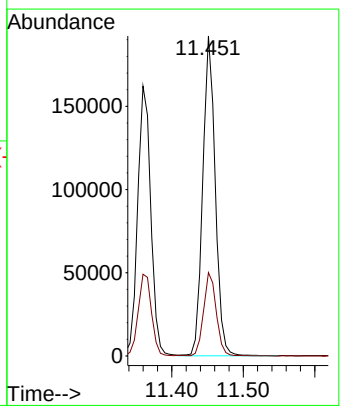


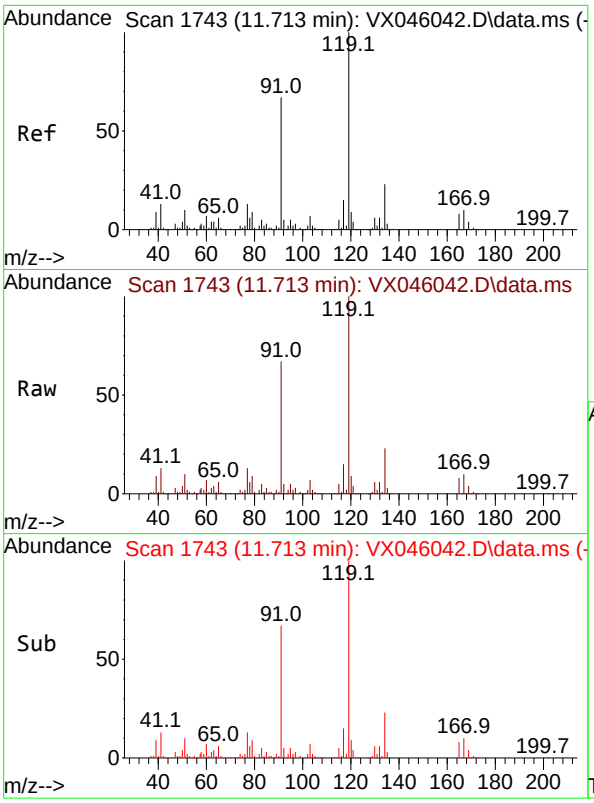




#82
4-Chlorotoluene
Concen: 37.880 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 233172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.5 | 13.3 | 39.8 |



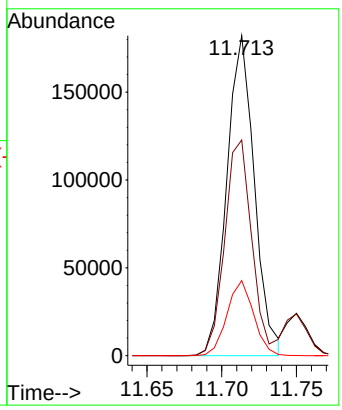


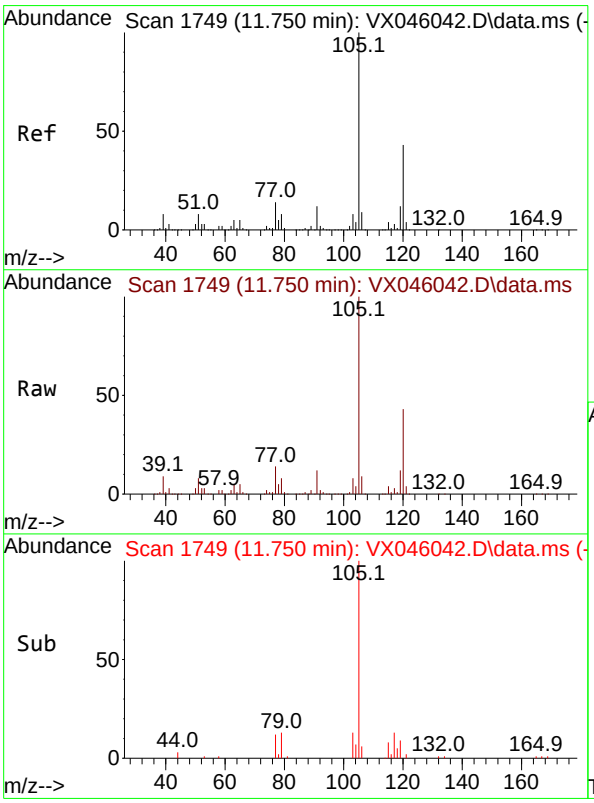

#83
tert-Butylbenzene
Concen: 38.622 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:119 Resp: 233468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.8 | 32.9 | 98.7 |
| 134 | 22.7 | 11.4 | 34.1 |

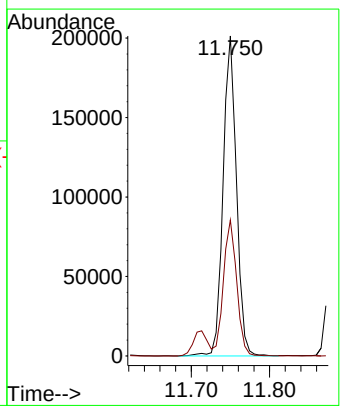


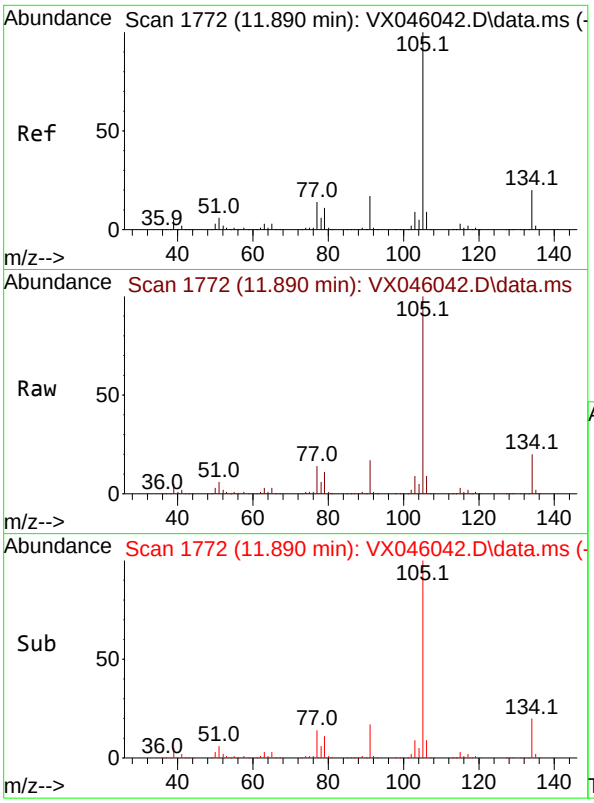




#84
1,2,4-Trimethylbenzene
Concen: 38.946 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 239433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.4 | 21.2 | 63.6 |



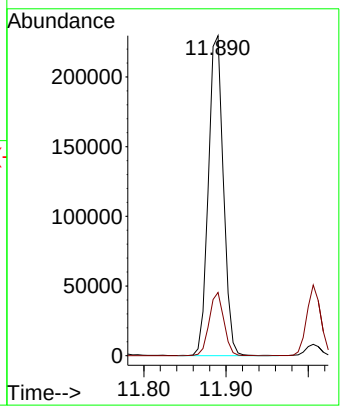


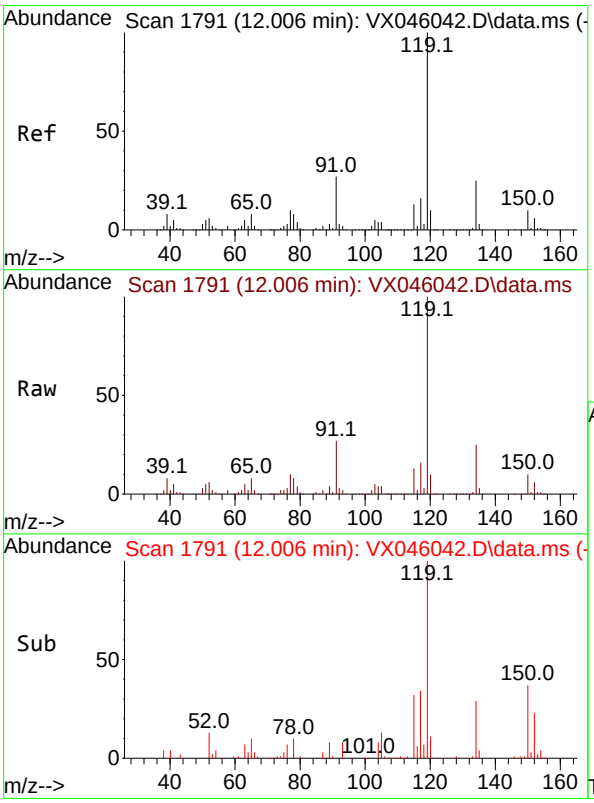

#85
sec-Butylbenzene
Concen: 38.786 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 291074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.7 | 29.1 |

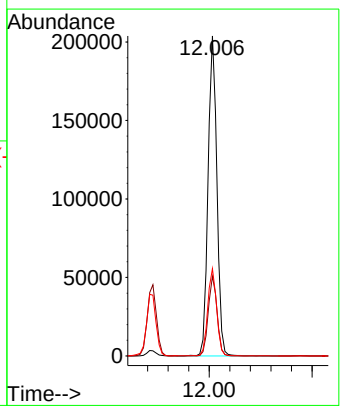


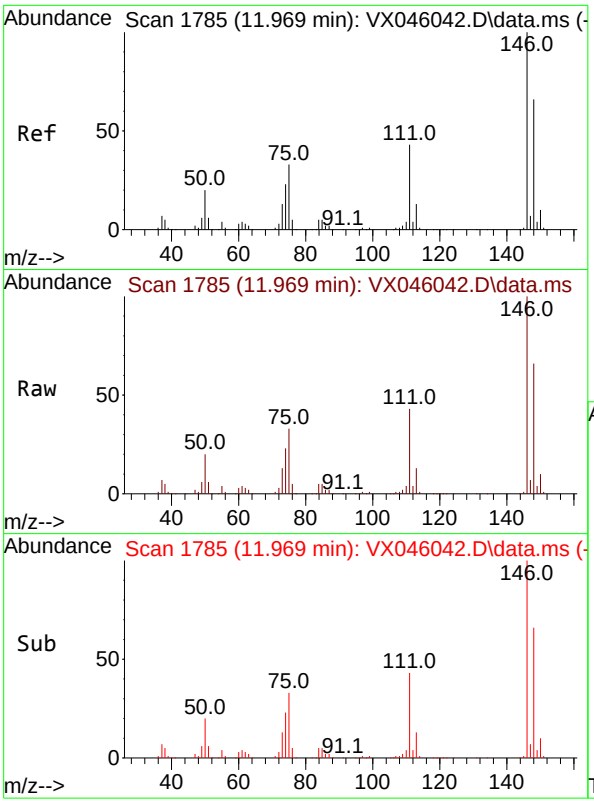




#86
p-Isopropyltoluene
Concen: 39.879 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:119 Resp: 241658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.0 | 12.5 | 37.5 |
| 91 | 27.6 | 13.8 | 41.4 |



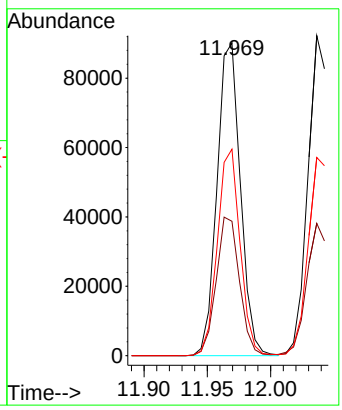


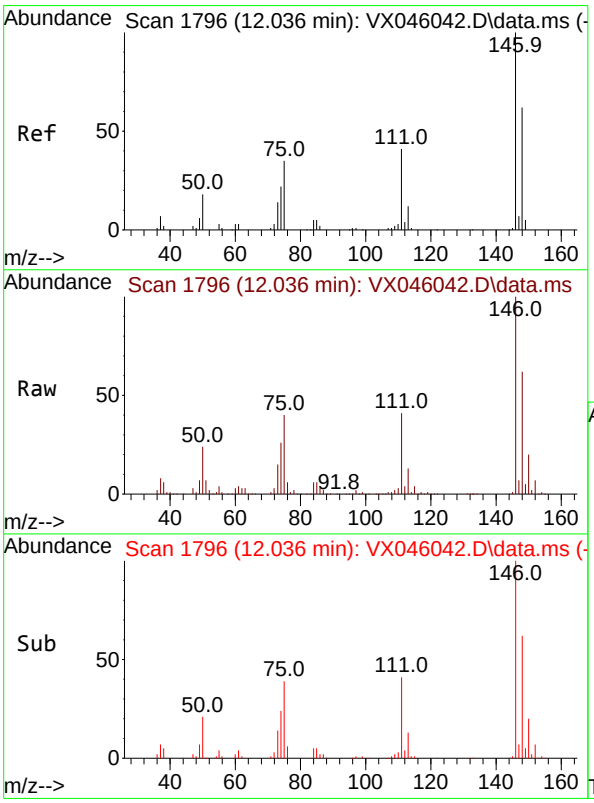

#87
1,3-Dichlorobenzene
Concen: 36.199 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 115651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.2 | 22.1 | 66.3 |
| 148 | 64.3 | 32.1 | 96.5 |

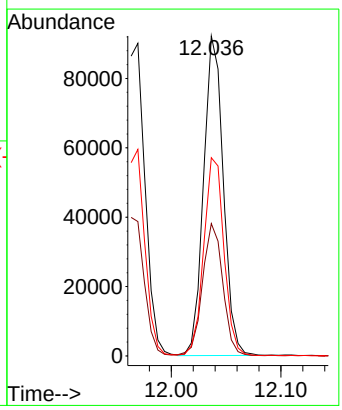


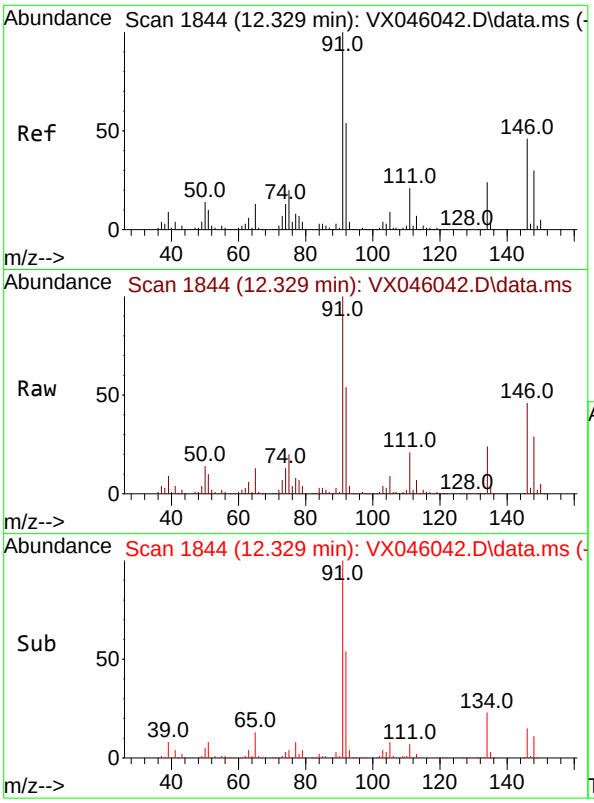




#88
1,4-Dichlorobenzene
Concen: 36.763 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:146 Resp: 115097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.3 | 63.9 |
| 148 | 63.7 | 31.9 | 95.5 |



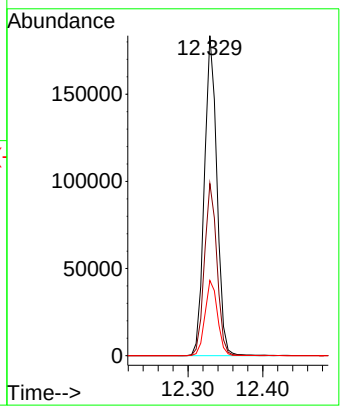


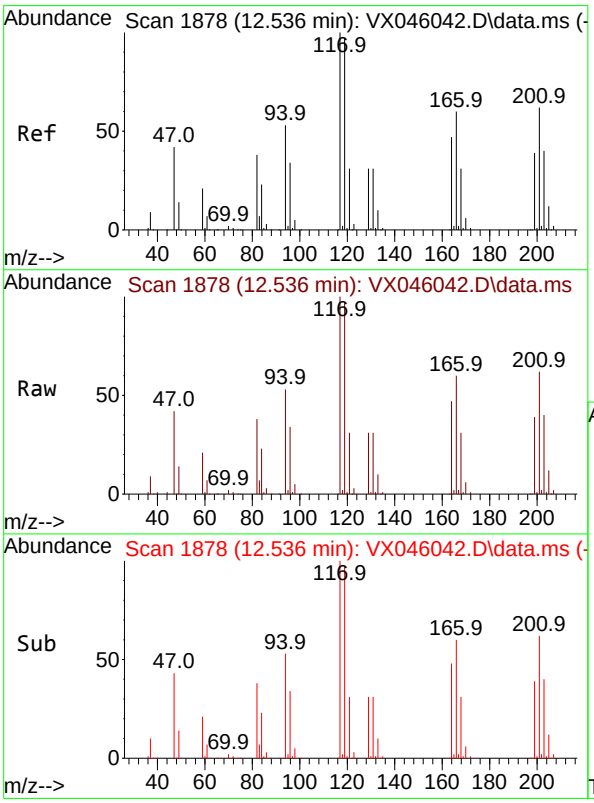

#89
n-Butylbenzene
Concen: 40.603 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 213899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.8 | 26.9 | 80.7 |
| 134 | 23.5 | 11.8 | 35.3 |

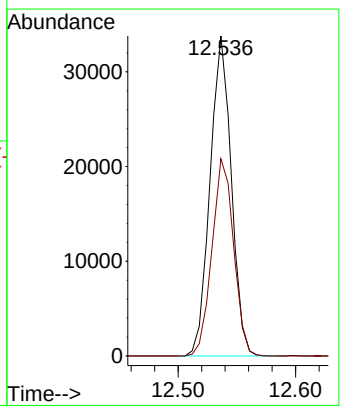


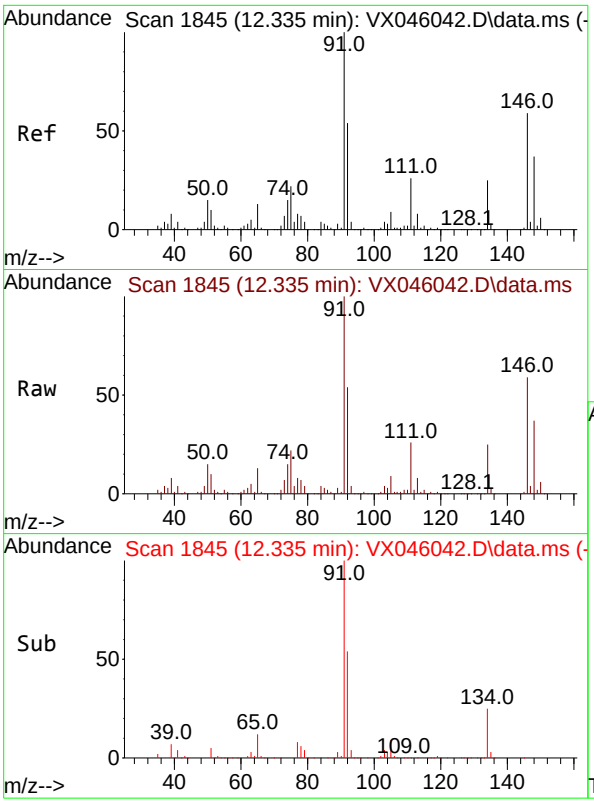




#90
Hexachloroethane
Concen: 37.534 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 42314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.1 | 31.6 | 94.7 |



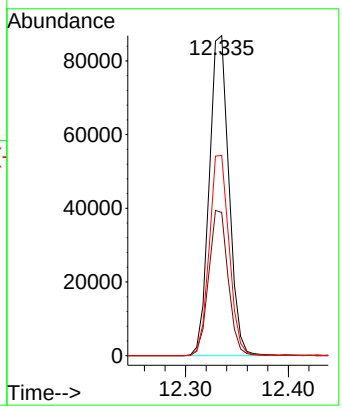


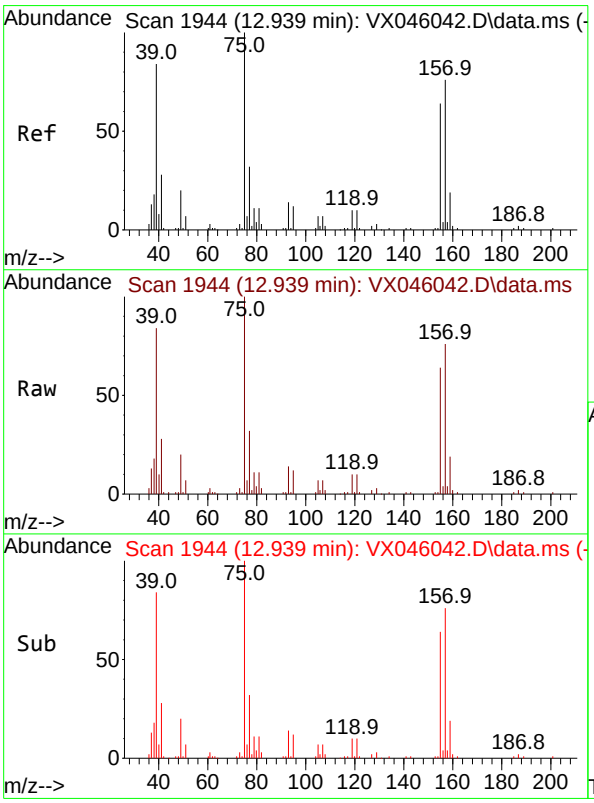

#91
1,2-Dichlorobenzene
Concen: 37.047 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 115286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.9 | 22.4 | 67.3 |
| 148 | 63.2 | 31.6 | 94.8 |

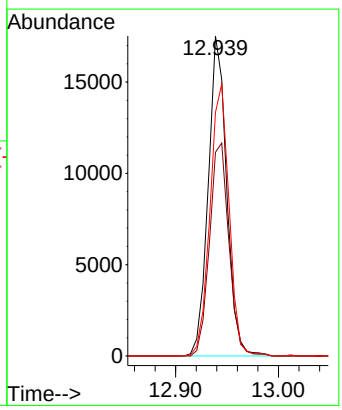


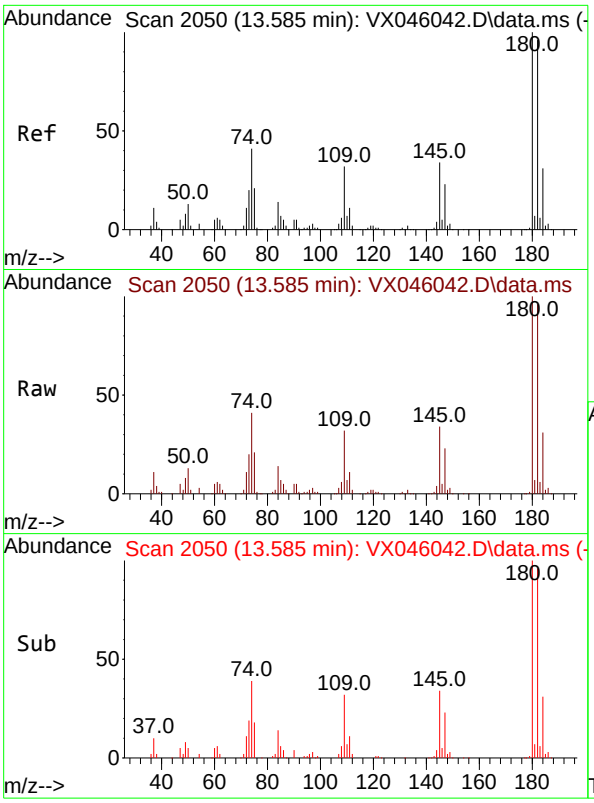




#92
1,2-Dibromo-3-Chloropropane
Concen: 36.496 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 21909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 69.9 | 34.9 | 104.8 |
| 157 | 87.6 | 43.8 | 131.4 |



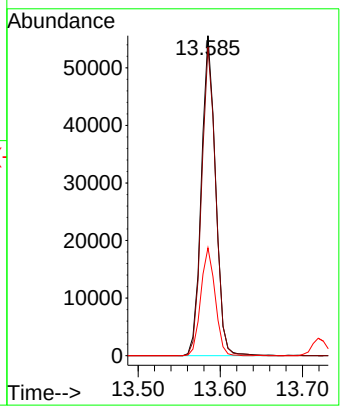


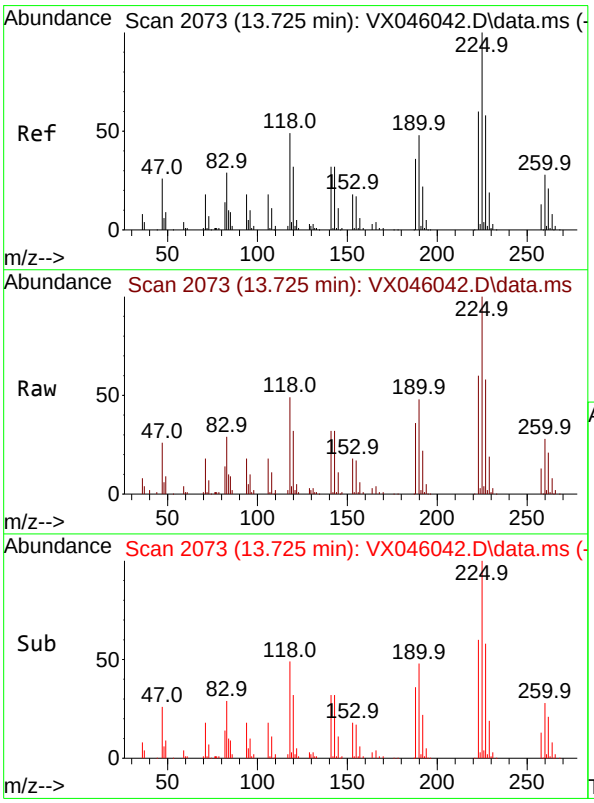

#93
1,2,4-Trichlorobenzene
Concen: 39.117 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:180 Resp: 66655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 47.9 | 143.8 |
| 145 | 34.1 | 17.1 | 51.2 |

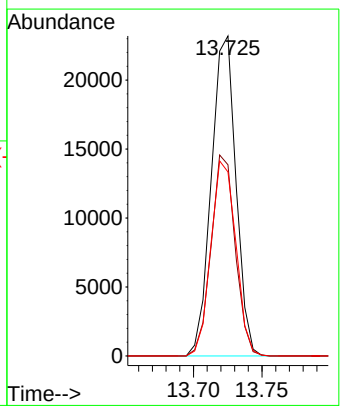


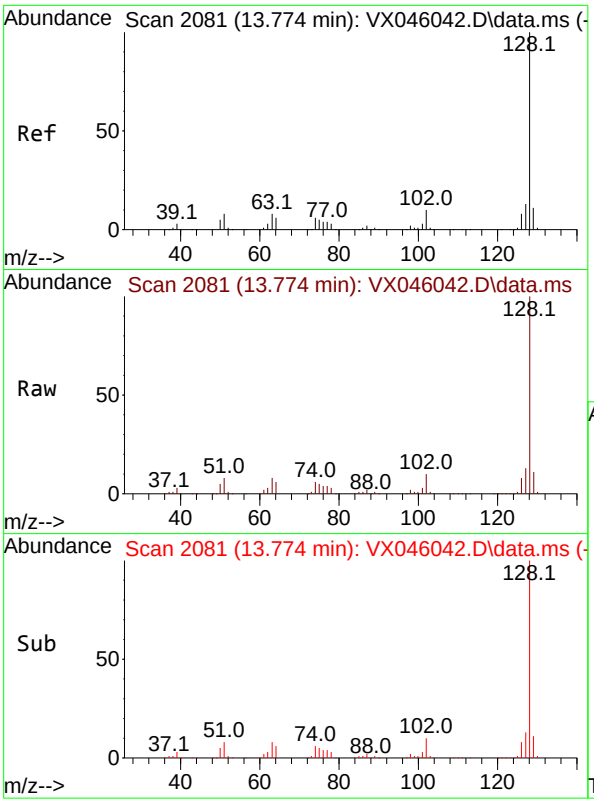




#94
Hexachlorobutadiene
Concen: 36.395 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:225 Resp: 29007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.6 | 30.8 | 92.4 |
| 227 | 61.8 | 30.9 | 92.7 |



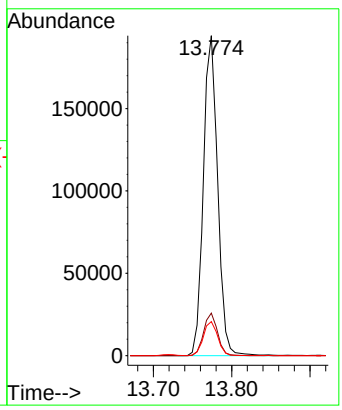


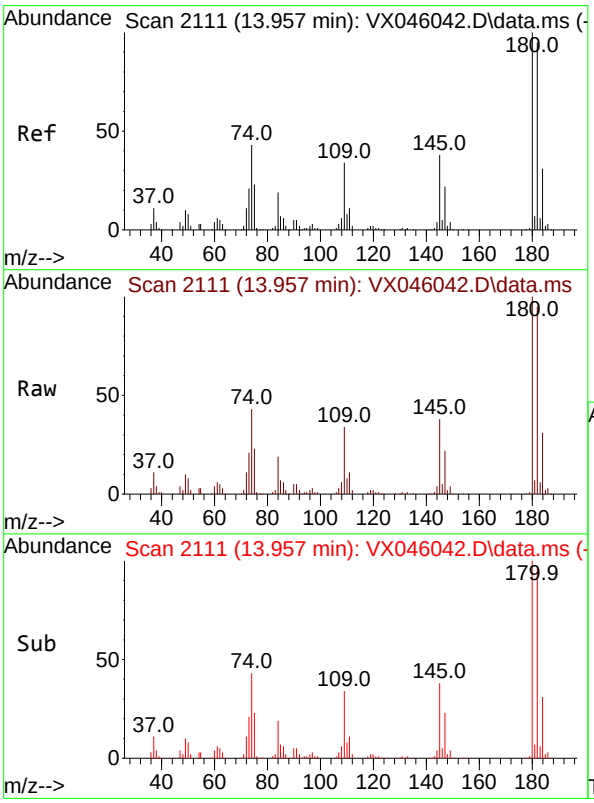

#95
Naphthalene
Concen: 39.575 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:128 Resp: 245568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.4 | 15.6 |
| 129 | 10.8 | 8.6 | 13.0 |

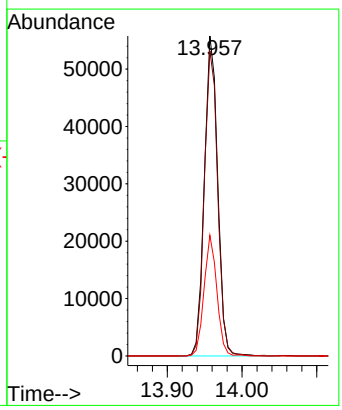



#96
1,2,3-Trichlorobenzene
Concen: 38.765 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:180 Resp: 69262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 47.8 | 143.3 |
| 145 | 36.2 | 18.1 | 54.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 87028 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 152958 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 135214 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 66369 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 161877 | 62.526 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 125.060%# | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 111455 | 65.006 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 130.020%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 387230 | 67.031 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 134.060%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 153085 | 72.818 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 145.640%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 149508 | 77.828 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 136937 | 72.392 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 126609 | 76.398 | ug/l | 98 |
| 5) Bromomethane | 1.593 | 94 | 59246 | 70.507 | ug/l | 99 |
| 6) Chloroethane | 1.660 | 64 | 57332 | 67.148 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 171042 | 67.754 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 58762 | 70.807 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 109520 | 72.604 | ug/l | 99 |
| 10) Methyl Iodide | 2.440 | 142 | 138045 | 77.943 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.995 | 59 | 125094 | 405.394 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 105566 | 71.884 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 134456 | 375.132 | ug/l | 99 |
| 14) Allyl chloride | 2.660 | 41 | 206519 | 74.419 | ug/l | 98 |
| 15) Acrylonitrile | 3.068 | 53 | 331142 | 358.723 | ug/l | 97 |
| 16) Acetone | 2.386 | 43 | 314383 | 354.936 | ug/l | 98 |
| 17) Carbon Disulfide | 2.501 | 76 | 264956 | 77.867 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 147014 | 69.531 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 378113 | 73.818 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 120270 | 67.030 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 106606 | 71.109 | ug/l | 99 |
| 22) Diisopropyl ether | 3.763 | 45 | 399494 | 77.048 | ug/l | 90 |
| 23) Vinyl Acetate | 3.721 | 43 | 1811550 | 395.363 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 219759 | 72.114 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 485448 | 379.704 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.464 | 77 | 174579 | 75.621 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 128454 | 71.056 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 103602 | 63.932 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.001 | 42 | 305757 | 368.234 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 222253 | 70.180 | ug/l | 95 |
| 31) Cyclohexane | 5.458 | 56 | 196302 | 76.428 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 201112 | 73.635 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 147873 | 74.285 | ug/l | 99 |
| 37) Ethyl Acetate | 4.714 | 43 | 186215 | 74.565 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 168946 | 73.875 | ug/l | 99 |
| 39) Methylcyclohexane | 7.372 | 83 | 191941 | 76.952 | ug/l | 96 |
| 40) Benzene | 6.031 | 78 | 440885 | 71.457 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 104863 | 75.574 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 187036 | 73.318 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 300491 | 78.714 | ug/l | | 100 |
| 44) Trichloroethene | 7.123 | 130 | 105628 | 72.420 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 112554 | 73.420 | ug/l | | 100 |
| 46) Dibromomethane | 7.574 | 93 | 85728 | 70.938 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.818 | 83 | 175301 | 74.845 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.689 | 41 | 153093 | 78.101 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 57313 | 1470.687 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 963319 | 384.740 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 270763 | 74.010 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 169863 | 86.372 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 184134 | 80.264 | ug/l | | 95 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 107264 | 72.543 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 188717 | 82.359 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 187649 | 71.590 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 463169 | 449.791 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 729602 | 383.945 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 127012 | 78.918 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 112669 | 74.200 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.268 | 164 | 93195 | 67.493 | ug/l | | 96 |
| 65) Chlorobenzene | 10.079 | 112 | 293284 | 70.490 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 103177 | 74.349 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 535122 | 75.444 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 389935 | 152.181 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 190833 | 73.890 | ug/l | | 97 |
| 70) Styrene | 10.652 | 104 | 328195 | 79.411 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 84353 | 80.927 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 514528 | 71.083 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 274553 | 76.073 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 170481 | 66.207 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 196706 | 71.091 | ug/l | | 86 |
| 77) Bromobenzene | 11.195 | 156 | 117151 | 69.959 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 608332 | 74.974 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 372392 | 68.100 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 432096 | 71.903 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 54398 | 81.820 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 432053 | 71.890 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 432011 | 73.197 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 442728 | 73.758 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 543597 | 74.188 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 457898 | 77.393 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 219753 | 70.449 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 217613 | 71.190 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 416602 | 80.996 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 82528 | 74.978 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 216834 | 71.367 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 43673 | 74.512 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 137430 | 82.605 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 55494 | 71.314 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 489778 | 80.842 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 139525 | 79.981 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

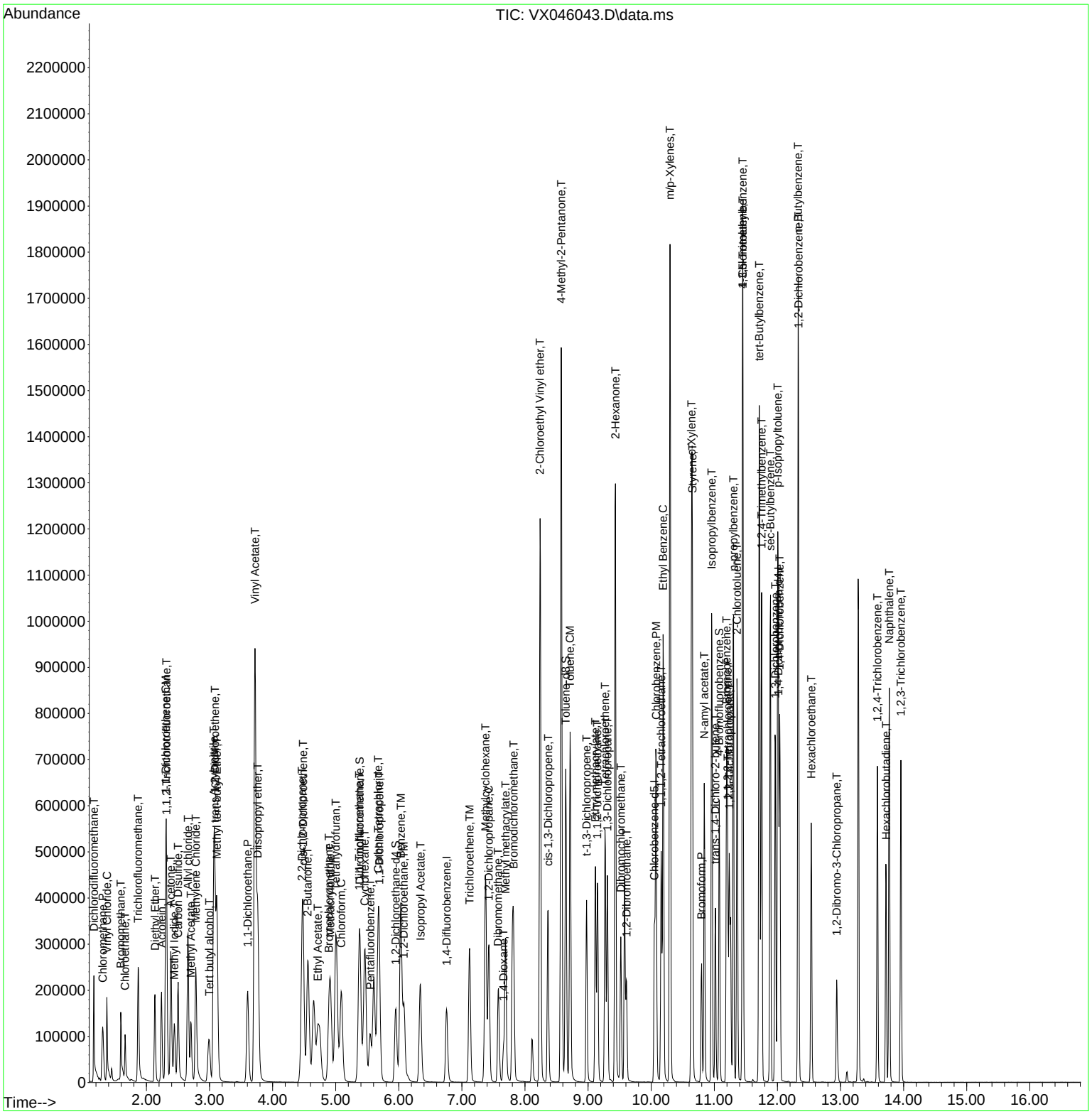
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

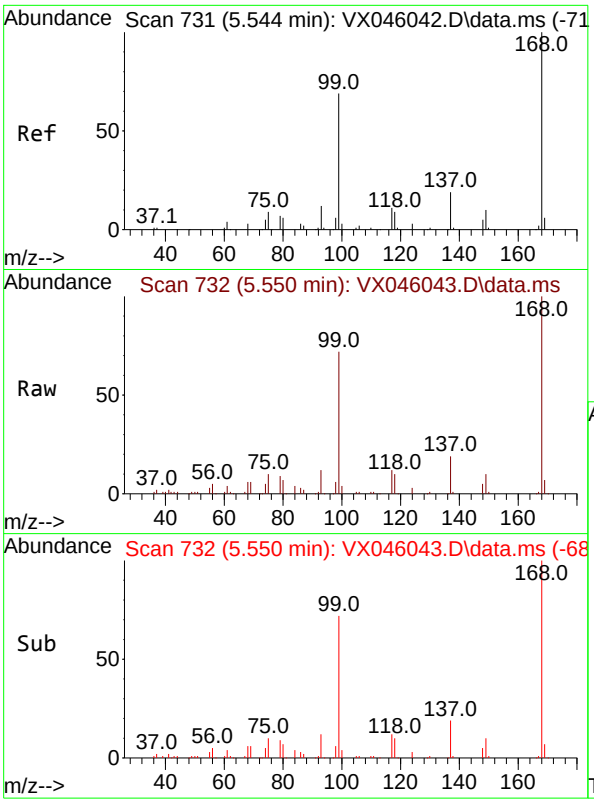
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



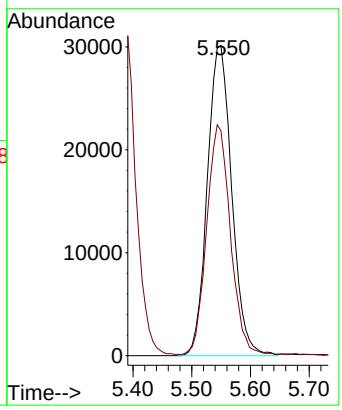


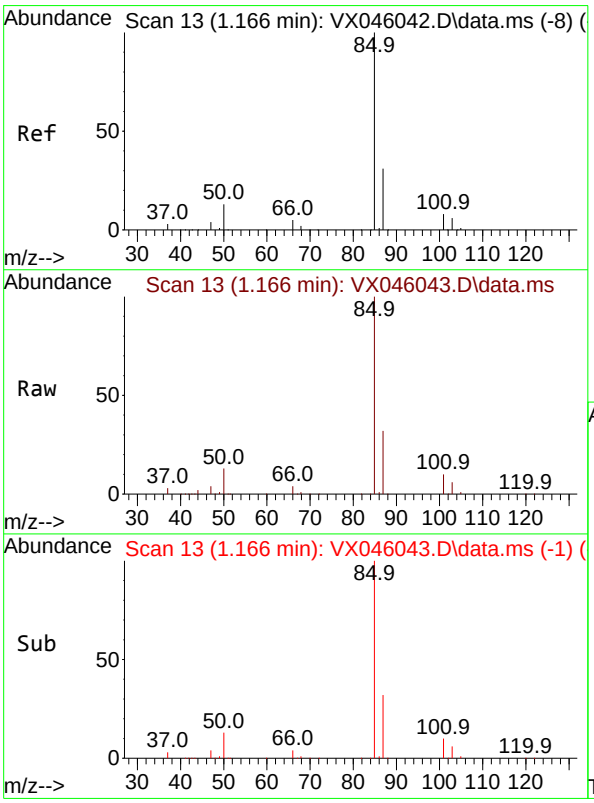

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:168 Resp: 87028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 72.1 | 54.9 | 82.3 |

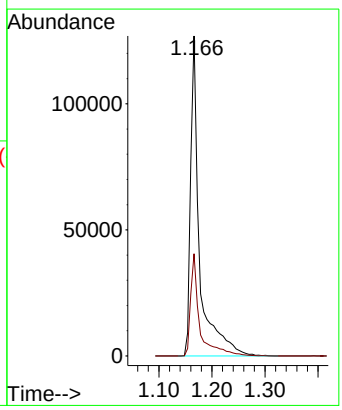


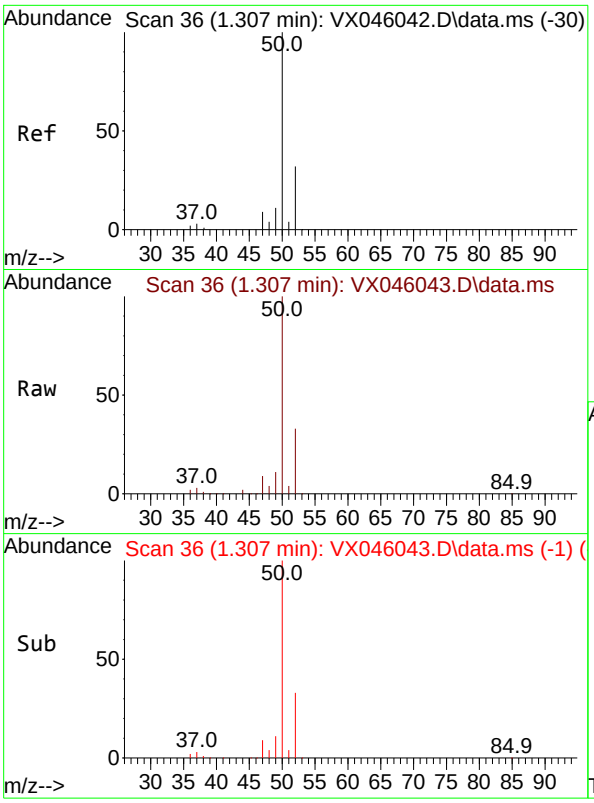




#2
Dichlorodifluoromethane
Concen: 77.828 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 85 Resp: 149508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.0 | 15.7 | 47.1 |



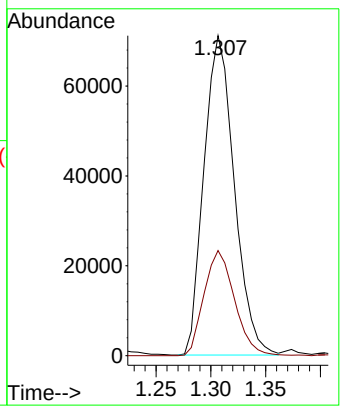


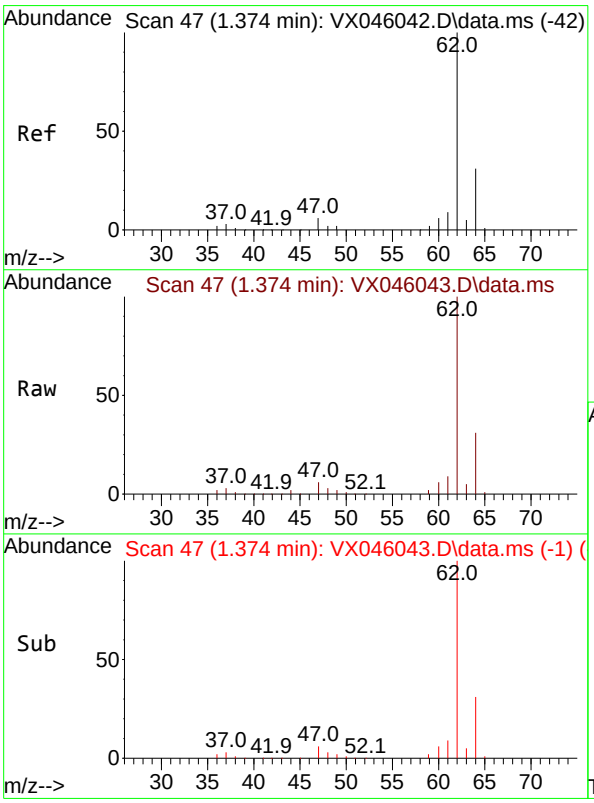

#3
Chloromethane
Concen: 72.392 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 50 Resp: 136937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.9 | 25.4 | 38.2 |

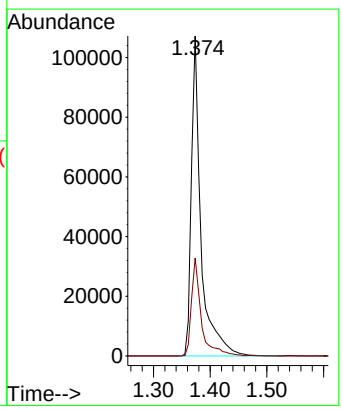


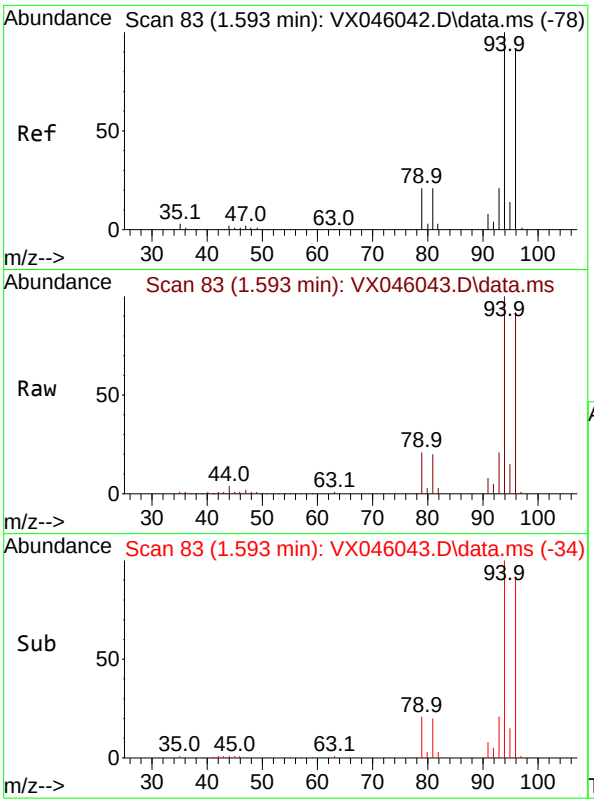




#4
Vinyl Chloride
Concen: 76.398 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 126609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.6 | 25.2 | 37.8 |



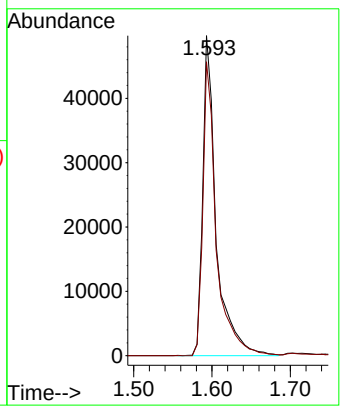


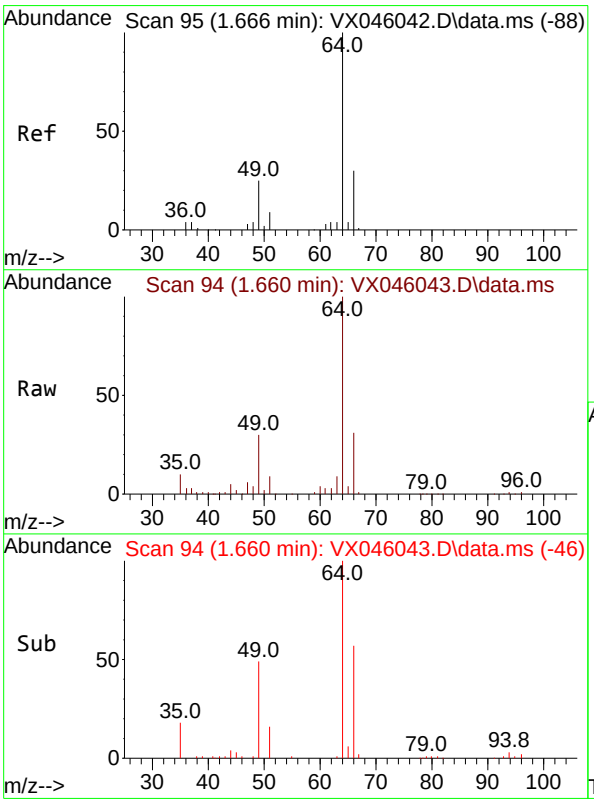

#5
Bromomethane
Concen: 70.507 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 94 Resp: 59246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.7 | 72.8 | 109.2 |

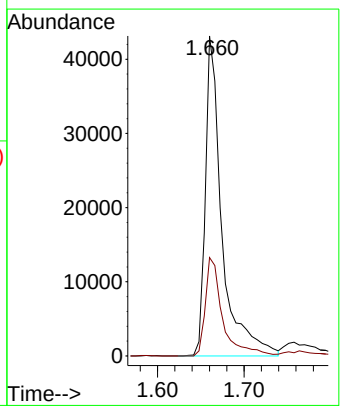


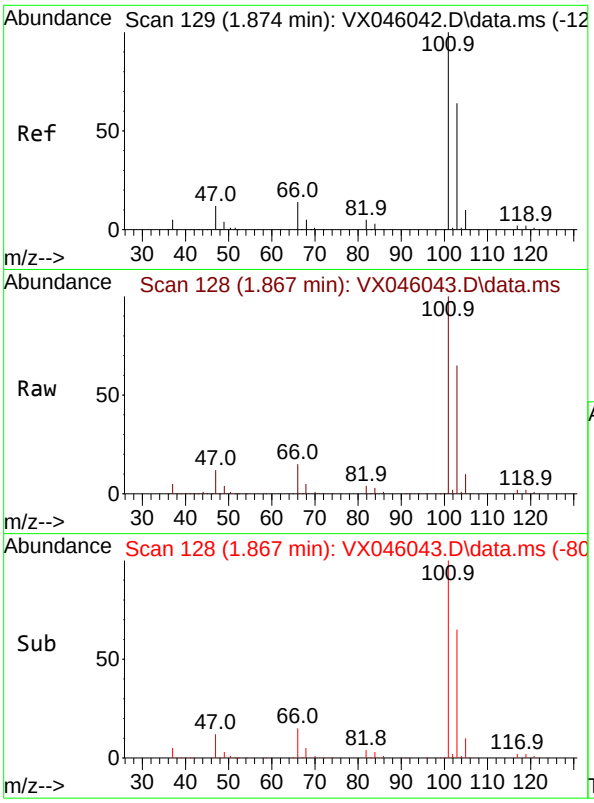




#6
Chloroethane
Concen: 67.148 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 64 Resp: 57332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.8 | 24.3 | 36.5 |



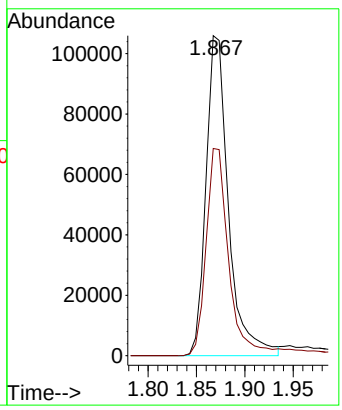


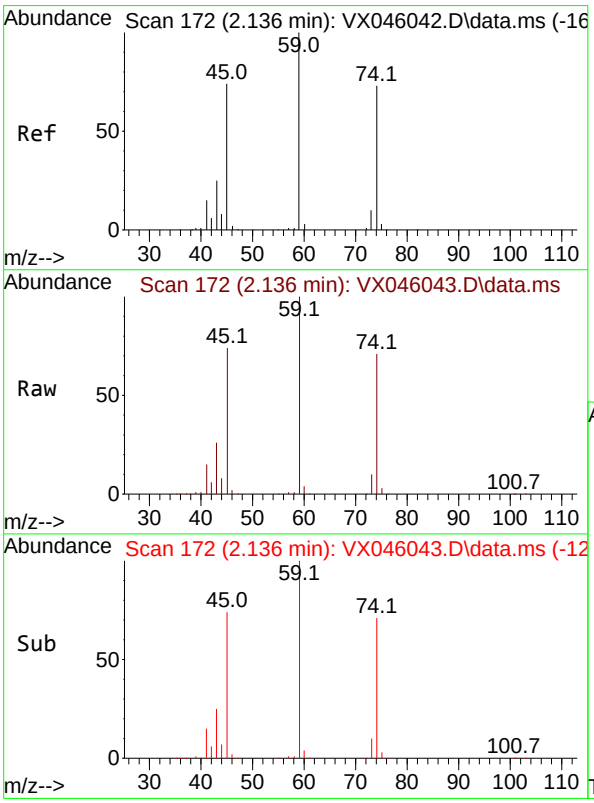

#7
Trichlorofluoromethane
Concen: 67.754 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 171042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.8 | 51.0 | 76.4 |

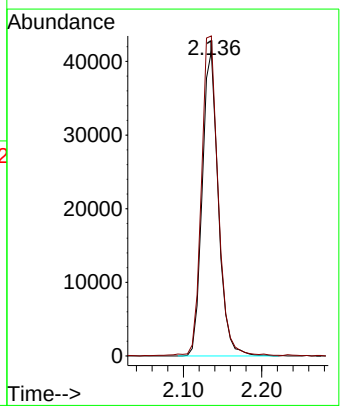


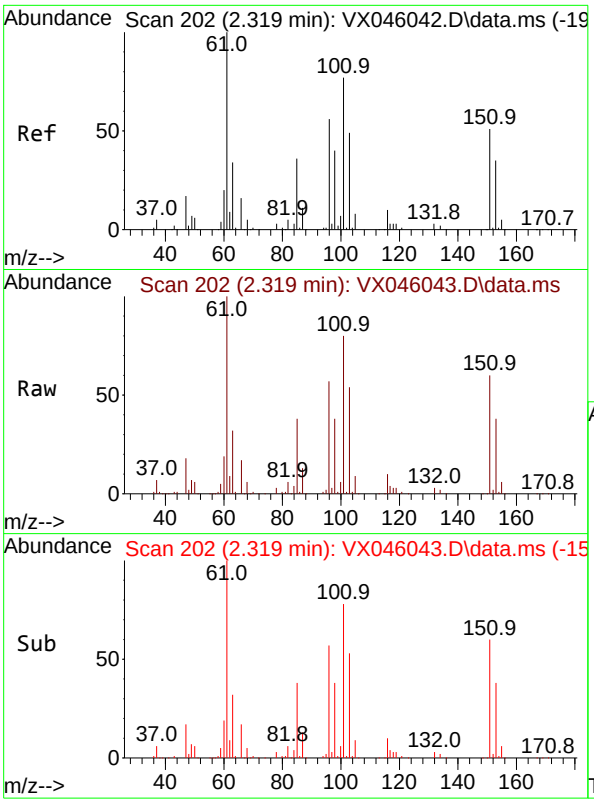




#8
Diethyl Ether
Concen: 70.807 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 74 Resp: 58762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 110.1 | 54.9 | 164.8 |



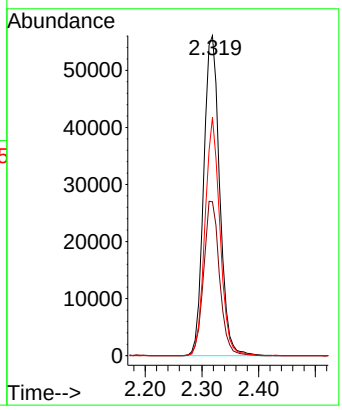


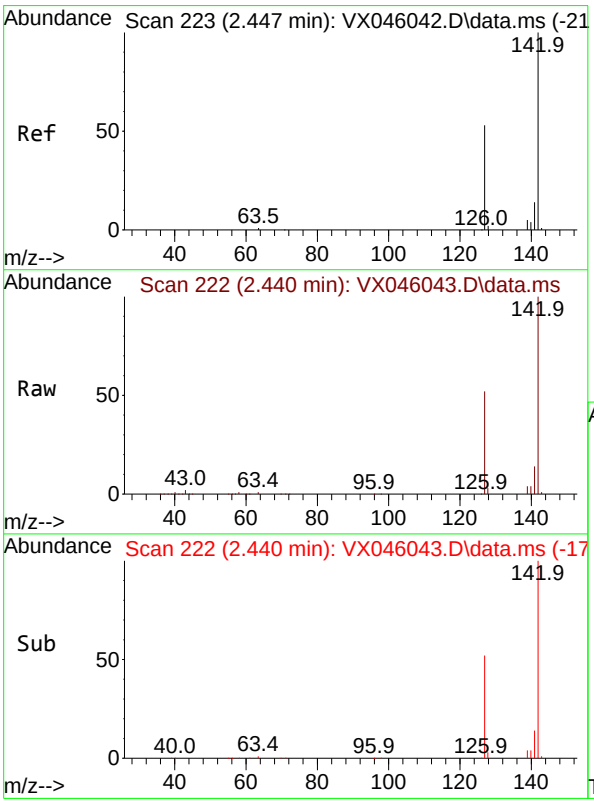

#9
1,1,2-Trichlorotrifluoroethane
Concen: 72.604 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 109520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.1 | 38.6 | 58.0 |
| 151 | 69.9 | 55.2 | 82.8 |

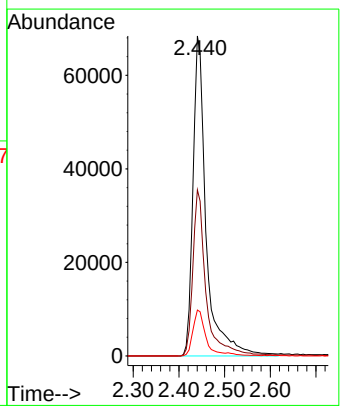


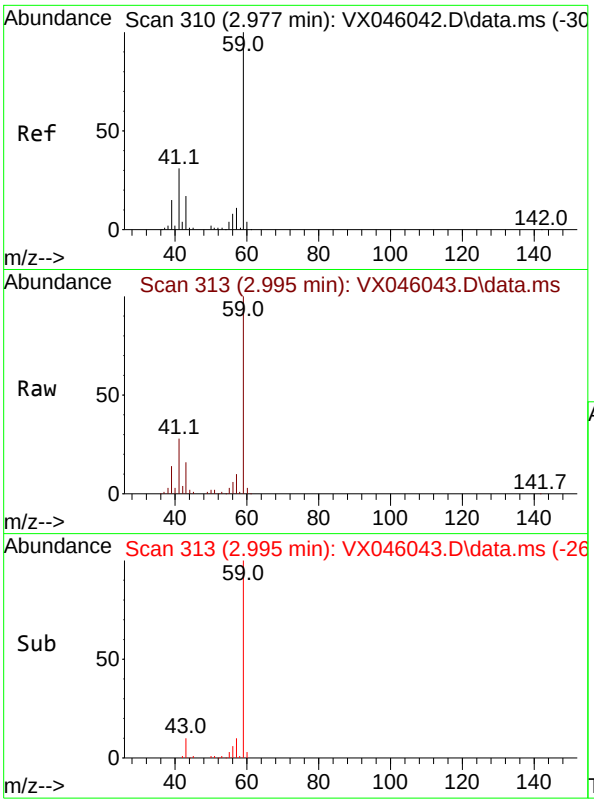




#10
Methyl Iodide
Concen: 77.943 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:142 Resp: 138045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.0 | 41.7 | 62.5 |
| 141 | 14.5 | 11.5 | 17.3 |



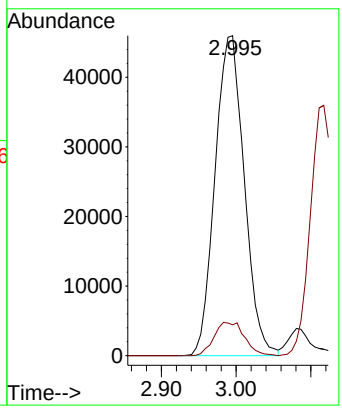


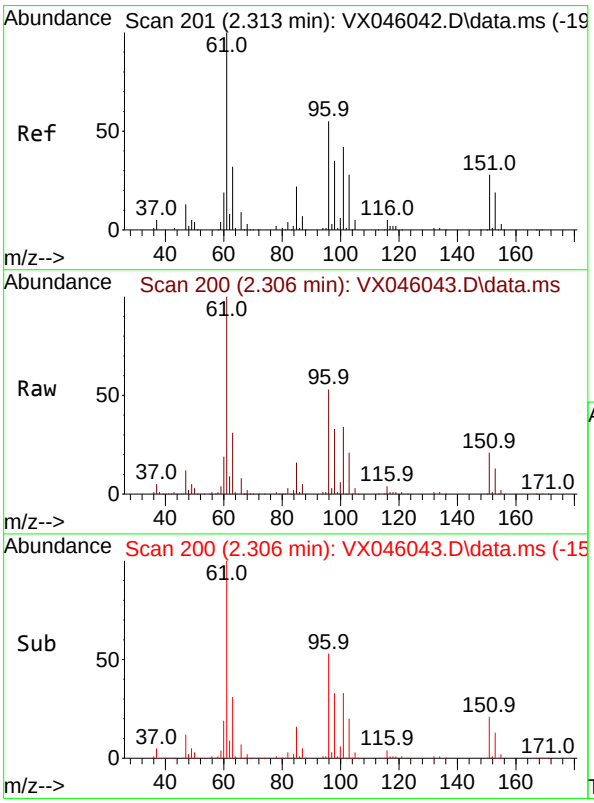

#11
Tert butyl alcohol
Concen: 405.394 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 59 Resp: 125094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.9 | 8.6 | 12.8 |

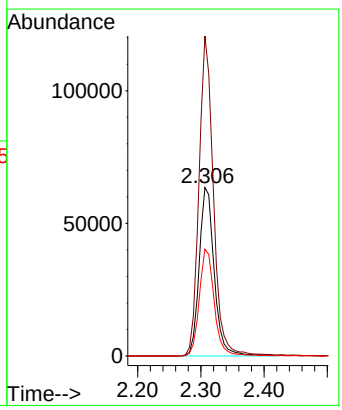


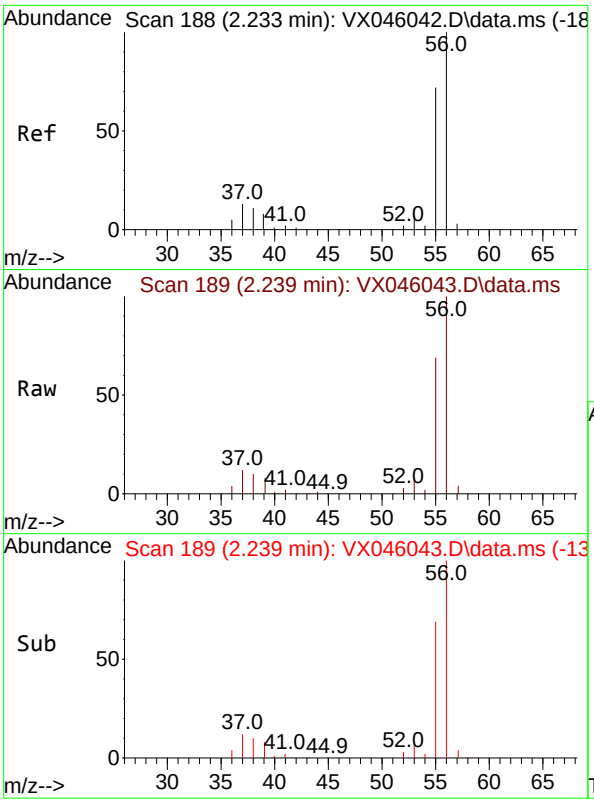




#12
1,1-Dichloroethene
Concen: 71.884 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 96 Resp: 105566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 189.9 | 146.2 | 219.2 |
| 98 | 63.3 | 51.0 | 76.6 |



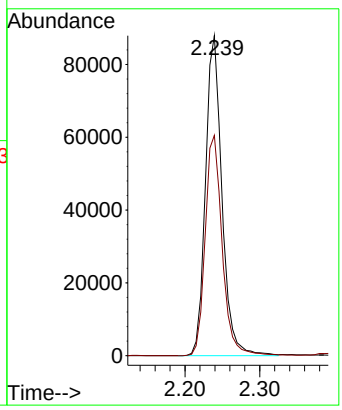


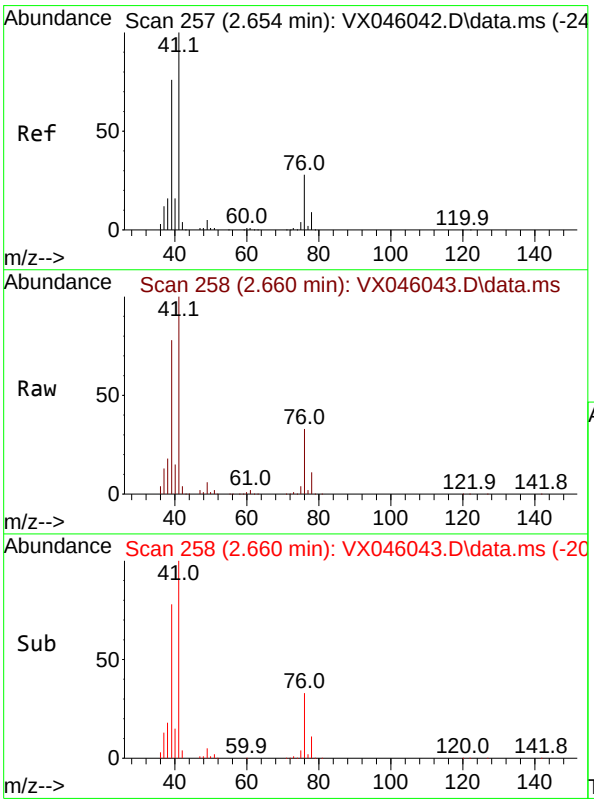

#13
Acrolein
Concen: 375.132 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 134456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.3 | 56.2 | 84.4 |

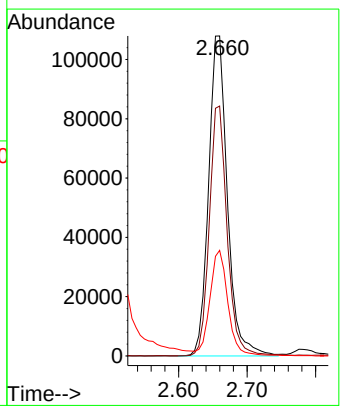


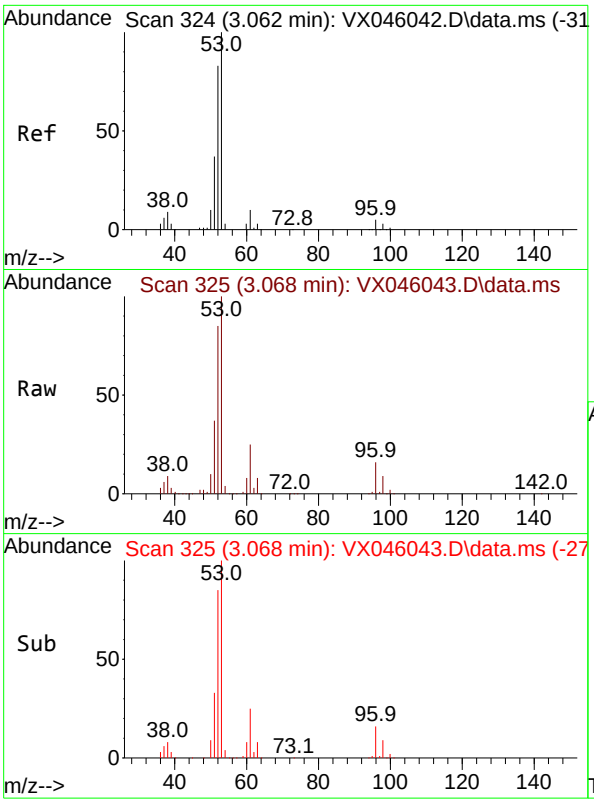




#14
Allyl chloride
Concen: 74.419 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 206519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.8 | 60.6 | 90.8 |
| 76 | 31.4 | 24.9 | 37.3 |



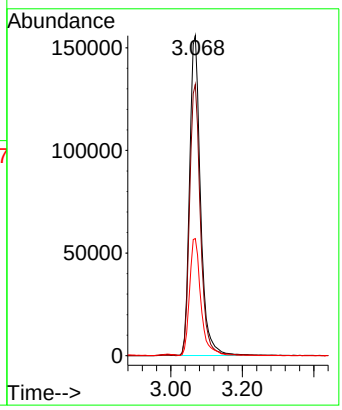


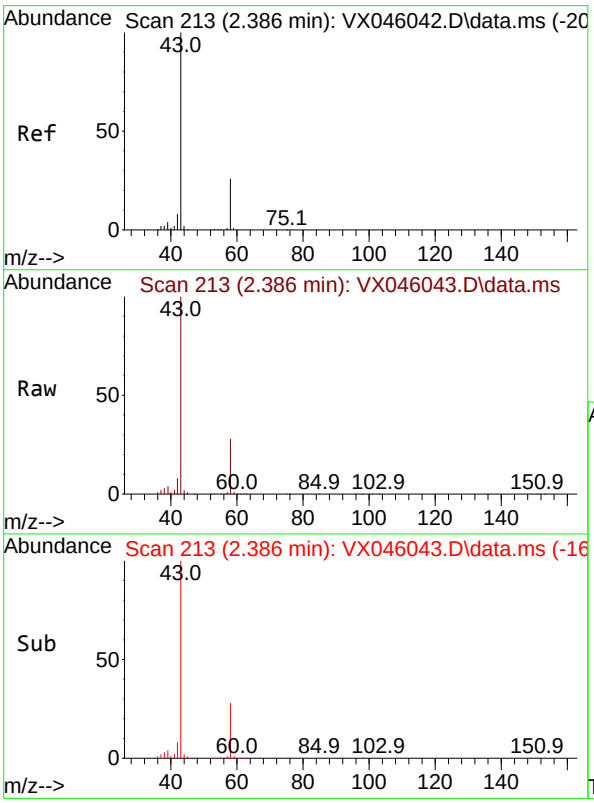

#15
Acrylonitrile
Concen: 358.723 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 53 Resp: 331142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.7 | 65.3 | 97.9 |
| 51 | 37.9 | 29.8 | 44.8 |

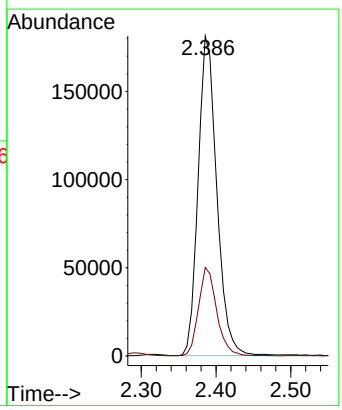


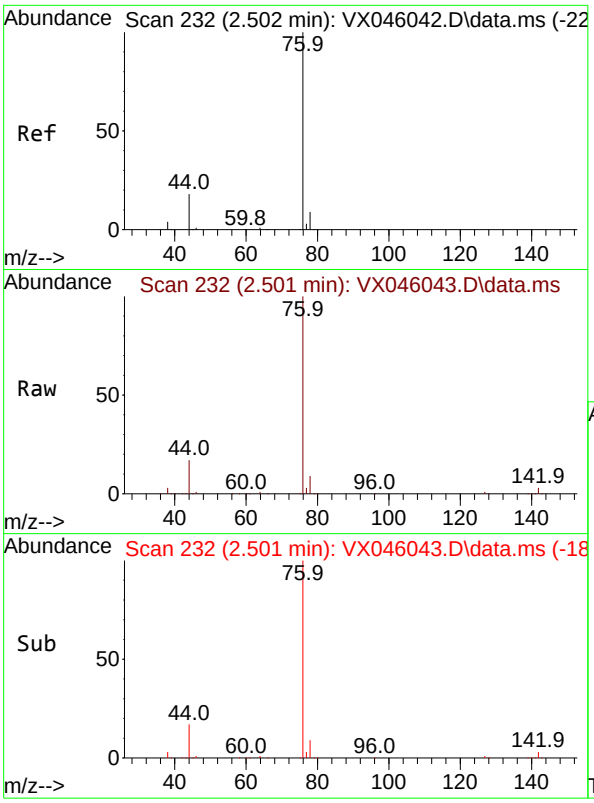




#16
Acetone
Concen: 354.936 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 314383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.6 | 21.2 | 31.8 |



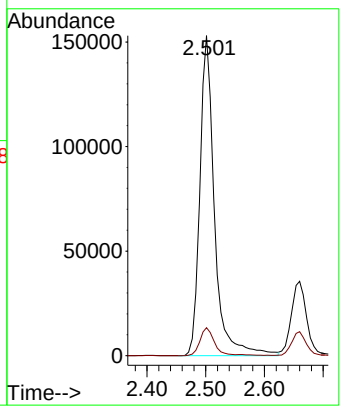


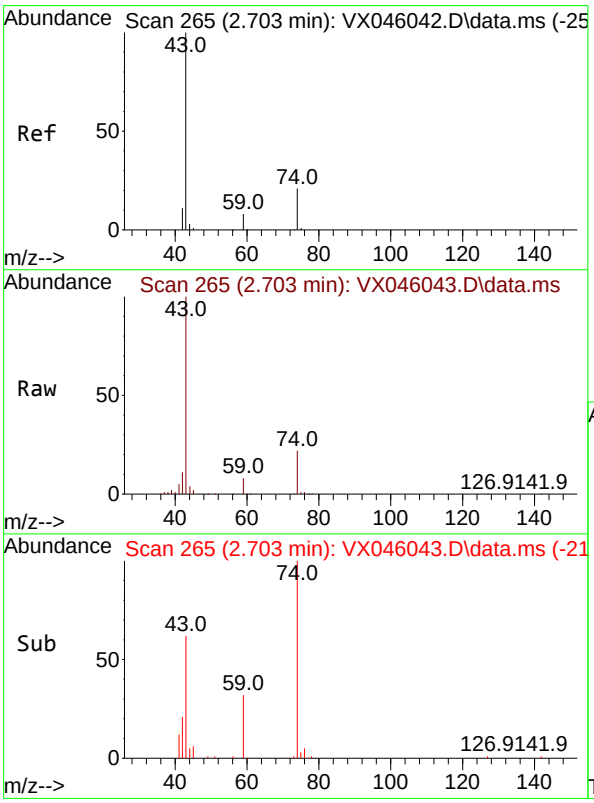

#17
Carbon Disulfide
Concen: 77.867 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 264956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.0 | 10.4 |

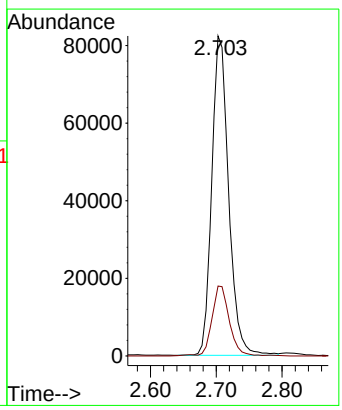


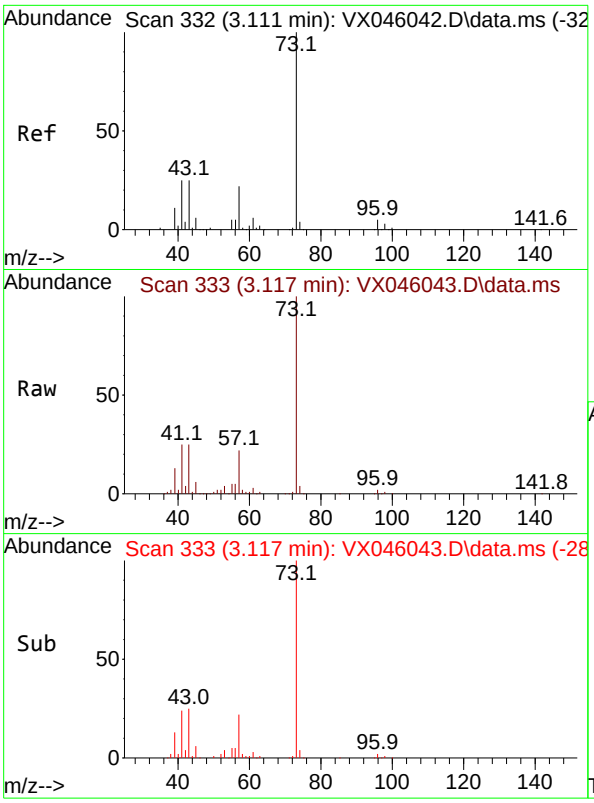




#18
Methyl Acetate
Concen: 69.531 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 147014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.6 | 16.7 | 25.1 |



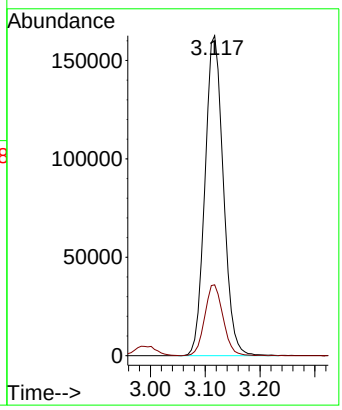


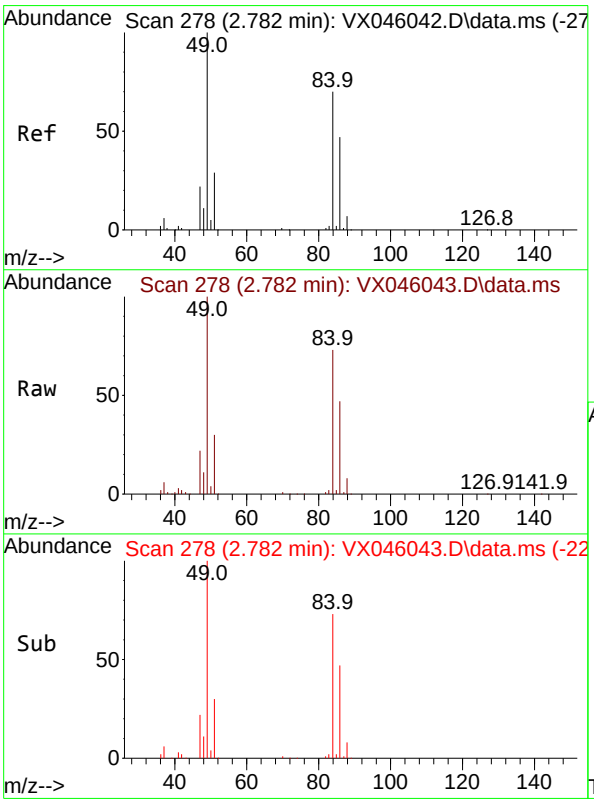

#19
Methyl tert-butyl Ether
Concen: 73.818 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 73 Resp: 378113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.1 | 17.7 | 26.5 |

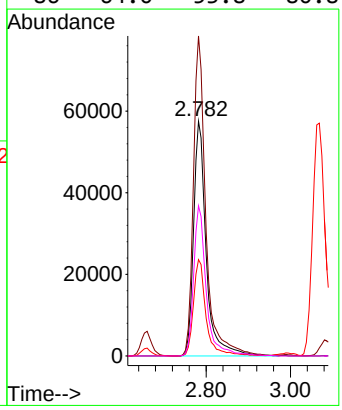


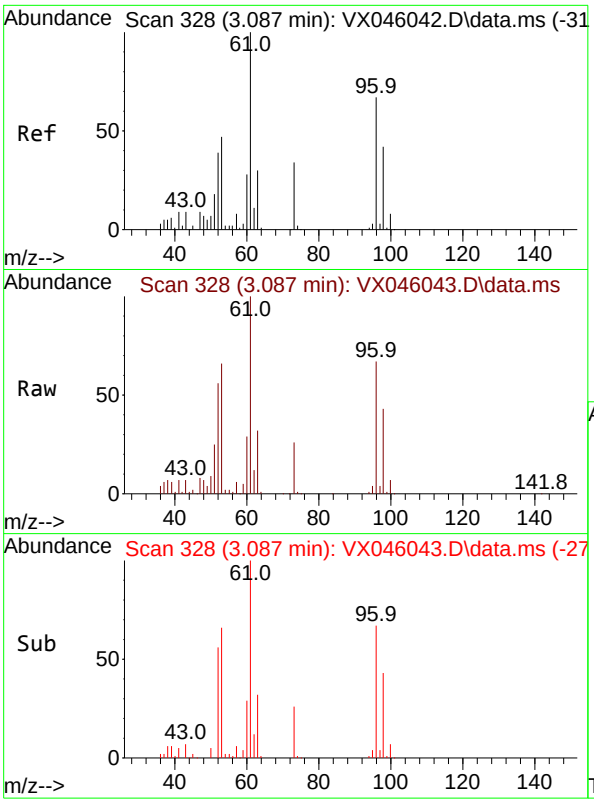




#20
Methylene Chloride
Concen: 67.030 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 84 Resp: 120270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 136.4 | 113.9 | 170.9 |
| 51 | 41.1 | 33.5 | 50.3 |
| 86 | 64.0 | 53.8 | 80.8 |



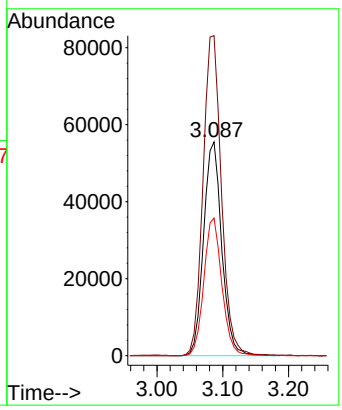


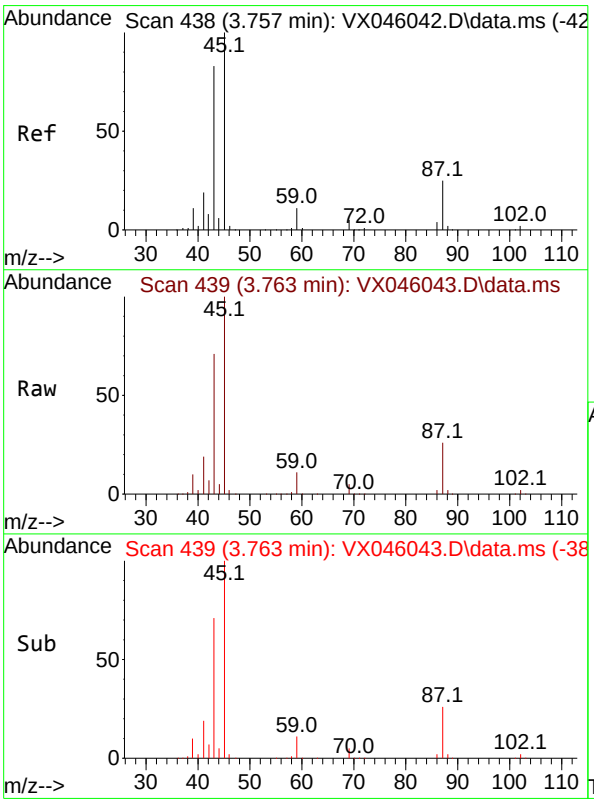

#21
trans-1,2-Dichloroethene
Concen: 71.109 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 106606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.7 | 119.5 | 179.3 |
| 98 | 64.4 | 50.0 | 75.0 |

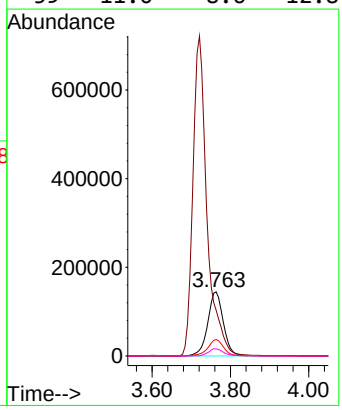


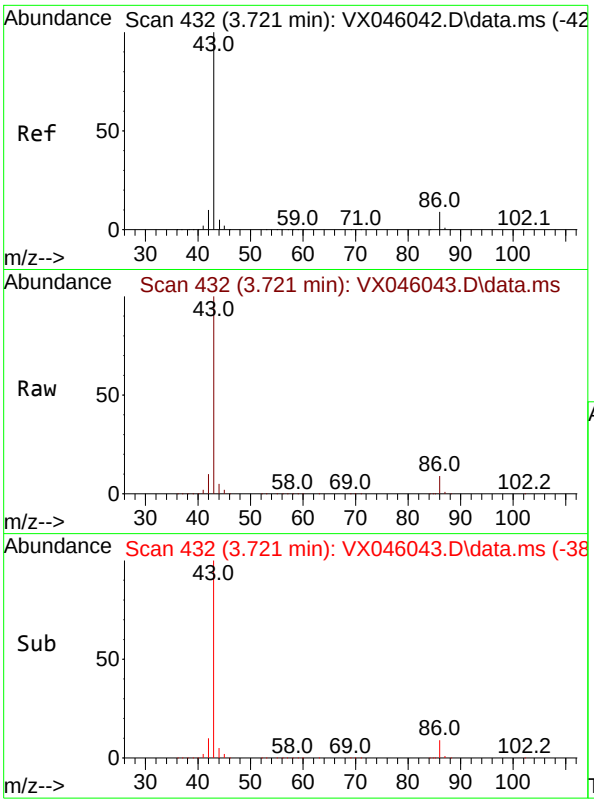




#22
Diisopropyl ether
Concen: 77.048 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 45 Resp: 399494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 71.2 | 66.6 | 100.0 |
| 87 | 25.7 | 19.8 | 29.6 |
| 59 | 11.0 | 8.6 | 12.8 |



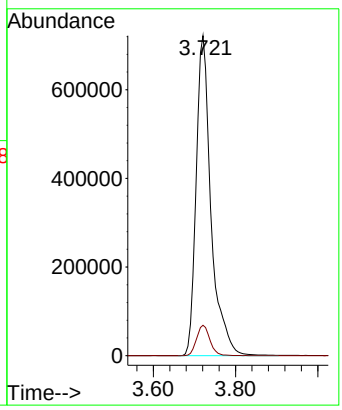


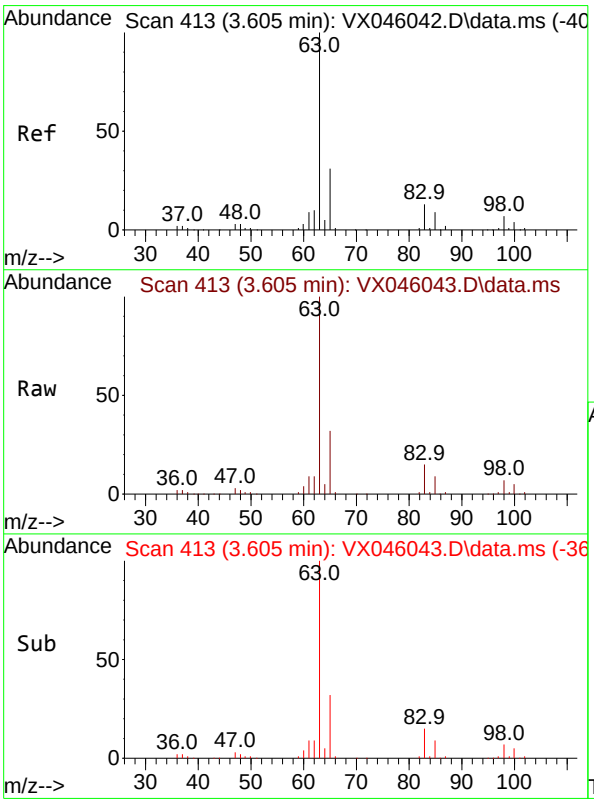

#23
Vinyl Acetate
Concen: 395.363 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 1811550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.5 | 7.5 | 11.3 |

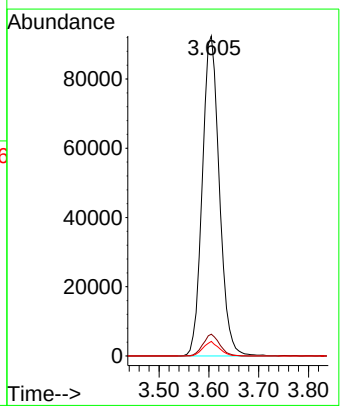


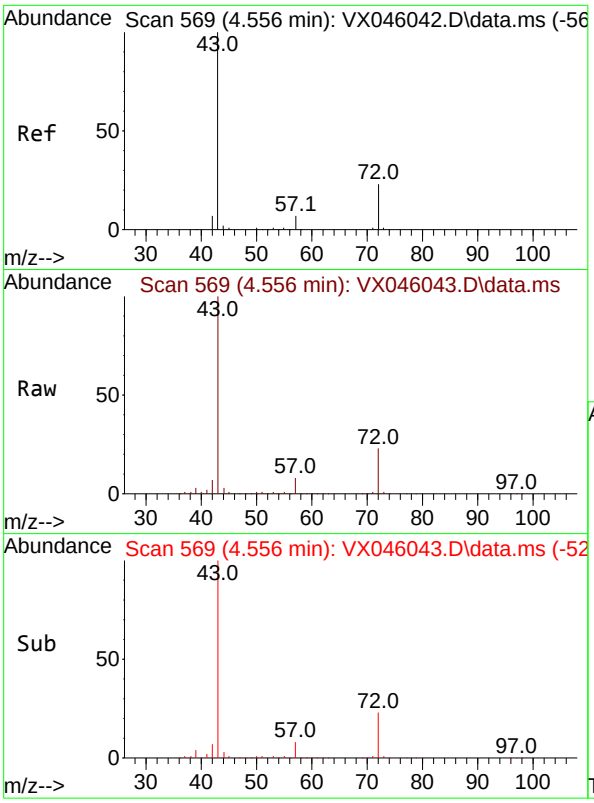




#24
1,1-Dichloroethane
Concen: 72.114 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 219759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.6 | 10.8 |
| 100 | 4.5 | 2.1 | 6.3 |



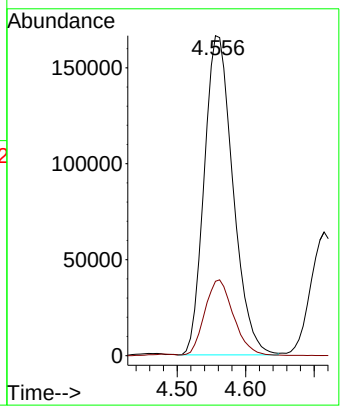


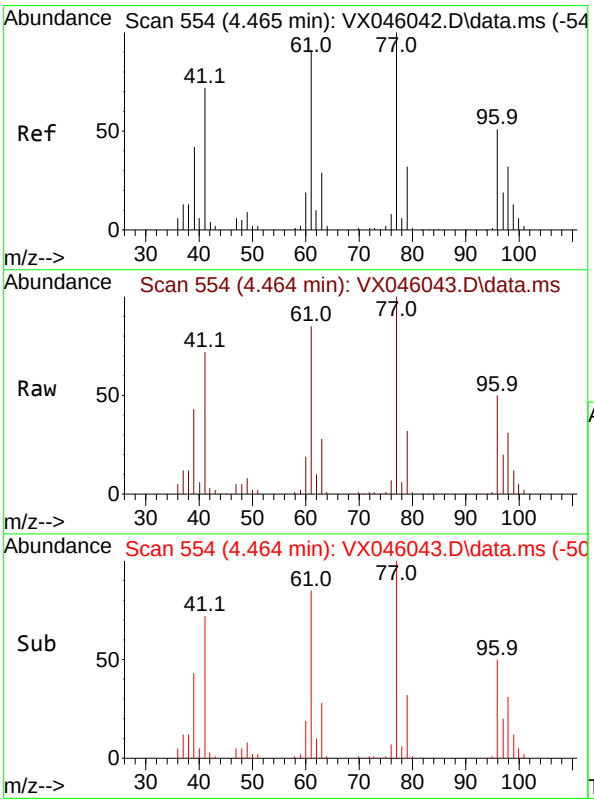

#25
2-Butanone
Concen: 379.704 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 485448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.1 | 18.4 | 27.6 |

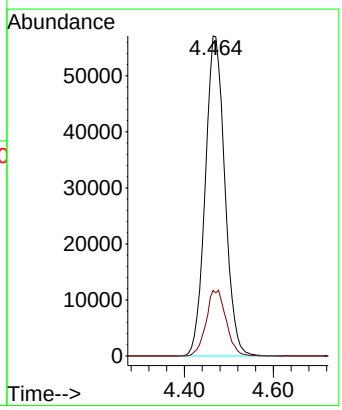


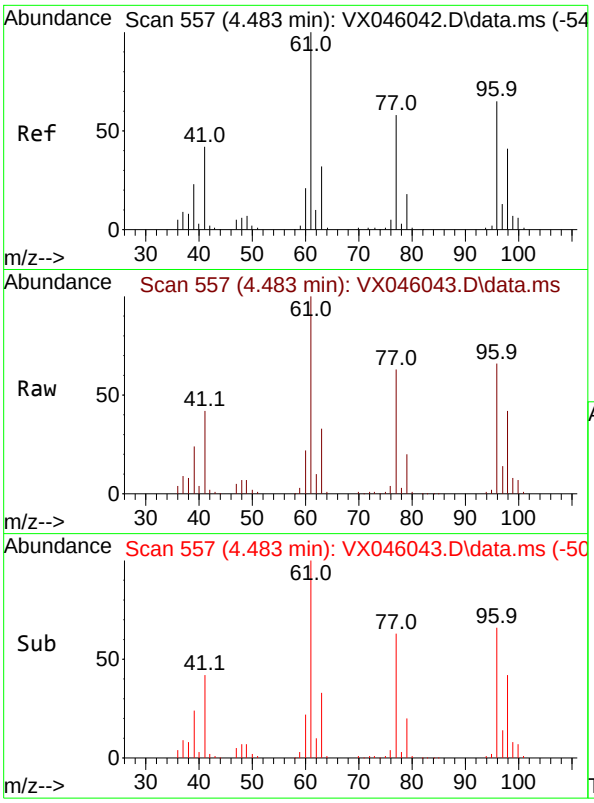




#26
2,2-Dichloropropane
Concen: 75.621 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 77 Resp: 174579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.1 | 10.5 | 31.5 |



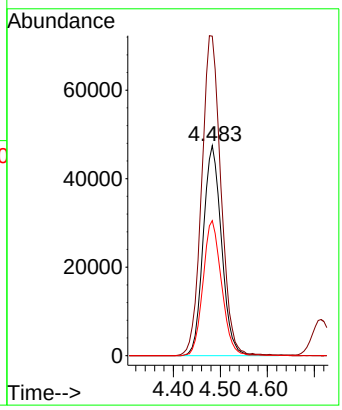


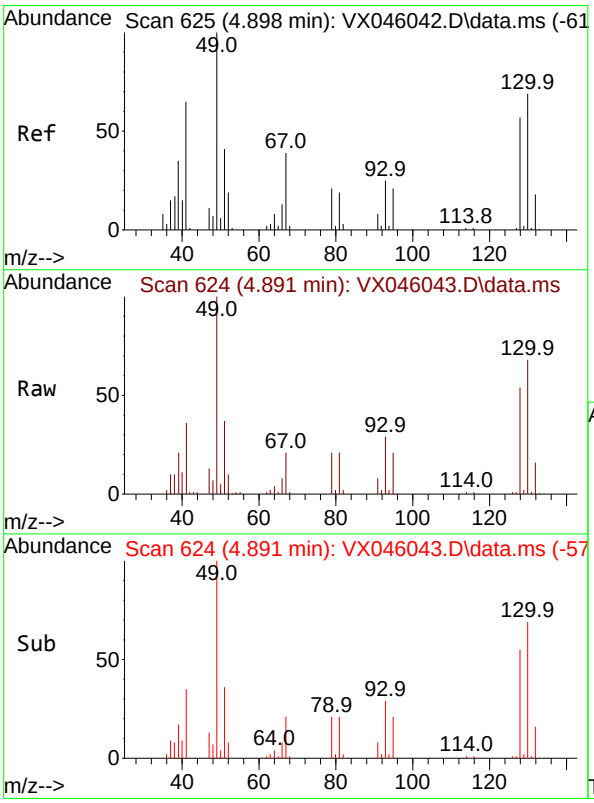

#27
cis-1,2-Dichloroethene
Concen: 71.056 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 128454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.1 | 0.0 | 322.8 |
| 98 | 64.9 | 0.0 | 129.0 |

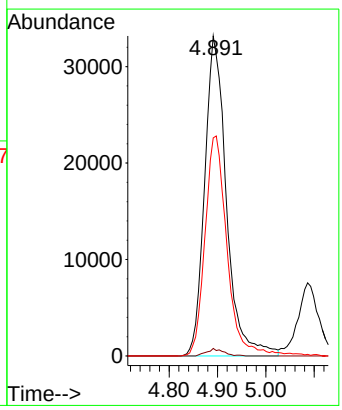


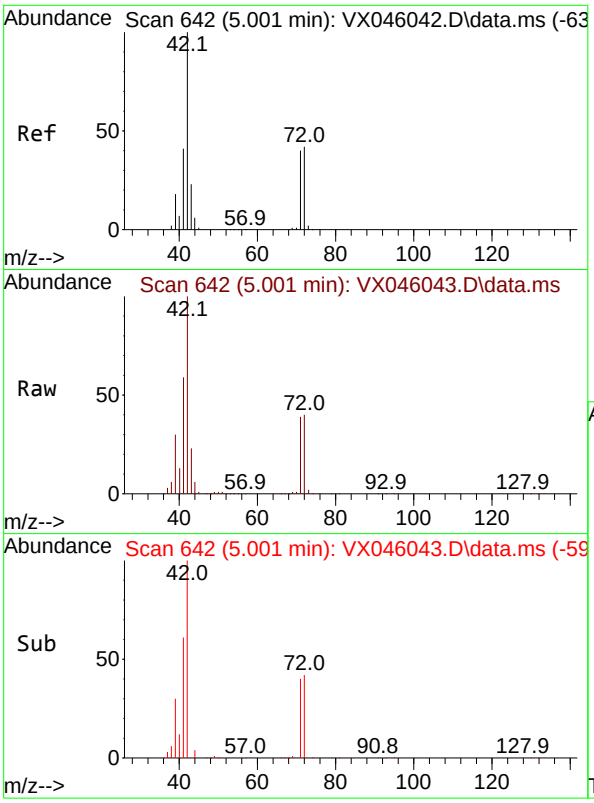




#28
Bromochloromethane
Concen: 63.932 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 49 Resp: 103602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 4.0 |
| 130 | 70.1 | 56.2 | 84.2 |



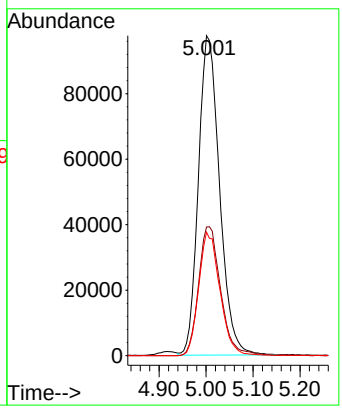


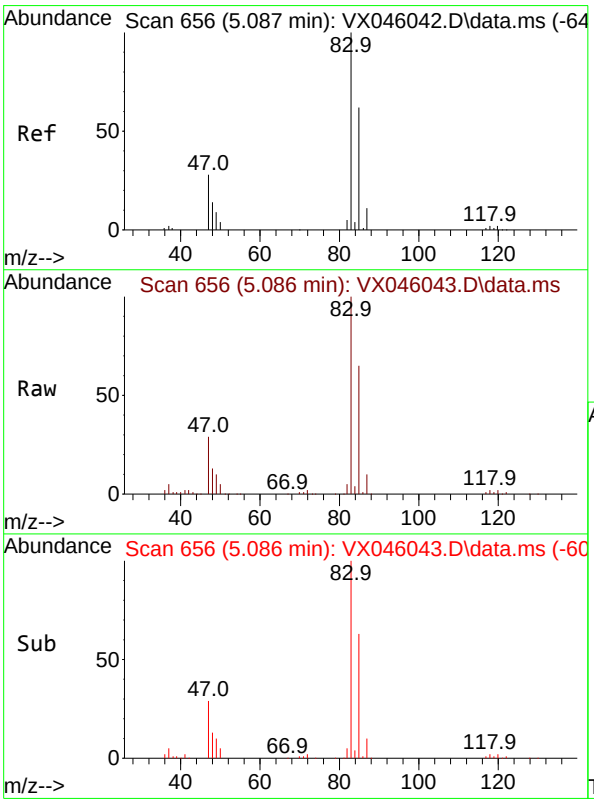

#29
Tetrahydrofuran
Concen: 368.234 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 42 Resp: 305757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.1 | 33.7 | 50.5 |
| 71 | 38.7 | 31.4 | 47.2 |

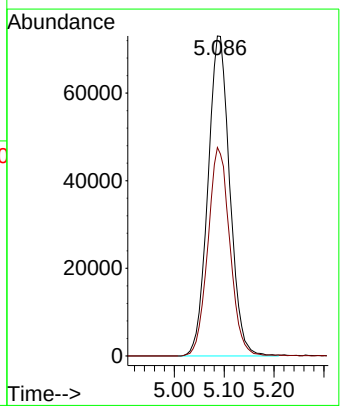


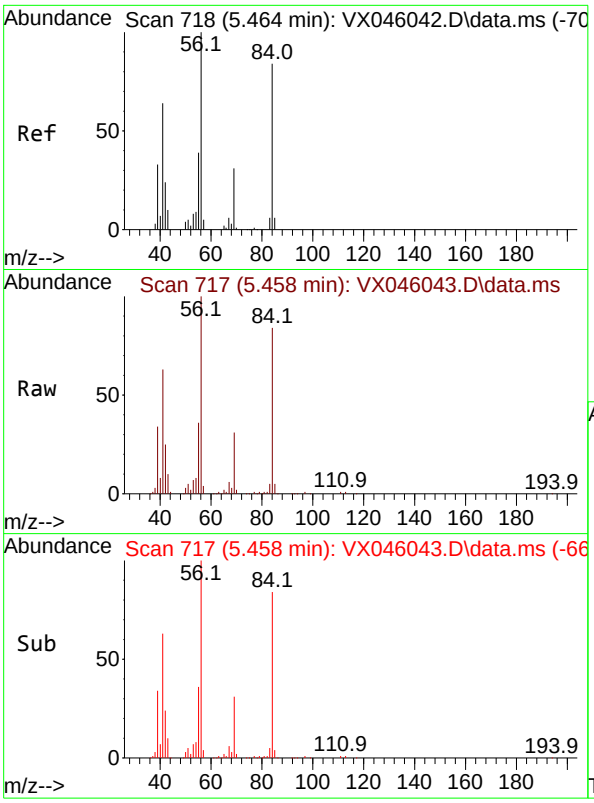




#30
Chloroform
Concen: 70.180 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 222253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 49.3 | 73.9 |



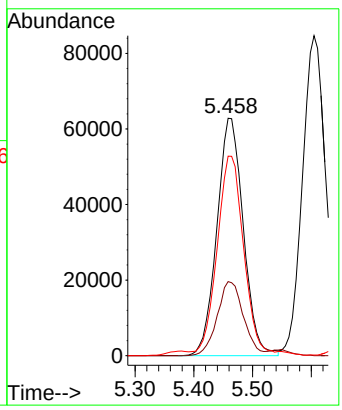


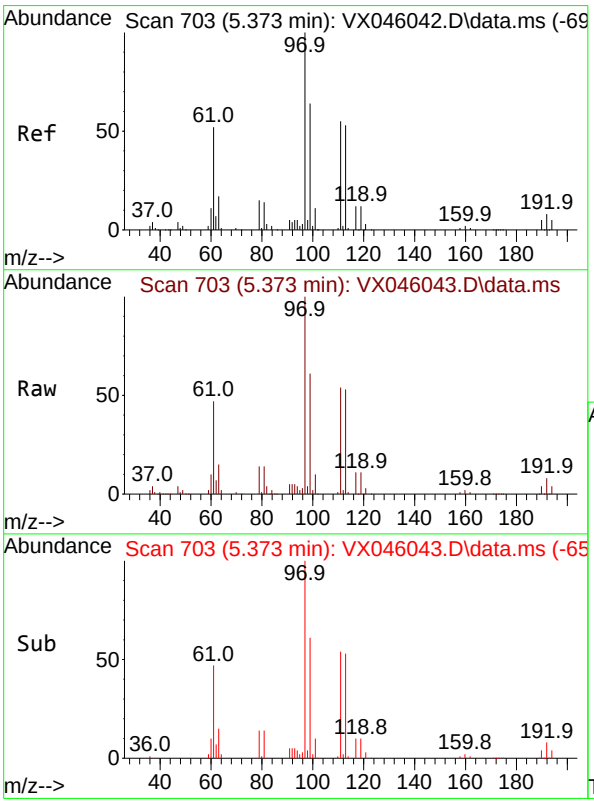

#31
Cyclohexane
Concen: 76.428 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 196302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.2 | 24.4 | 36.6 |
| 84 | 82.3 | 66.9 | 100.3 |

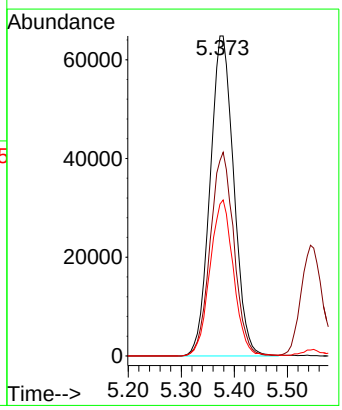


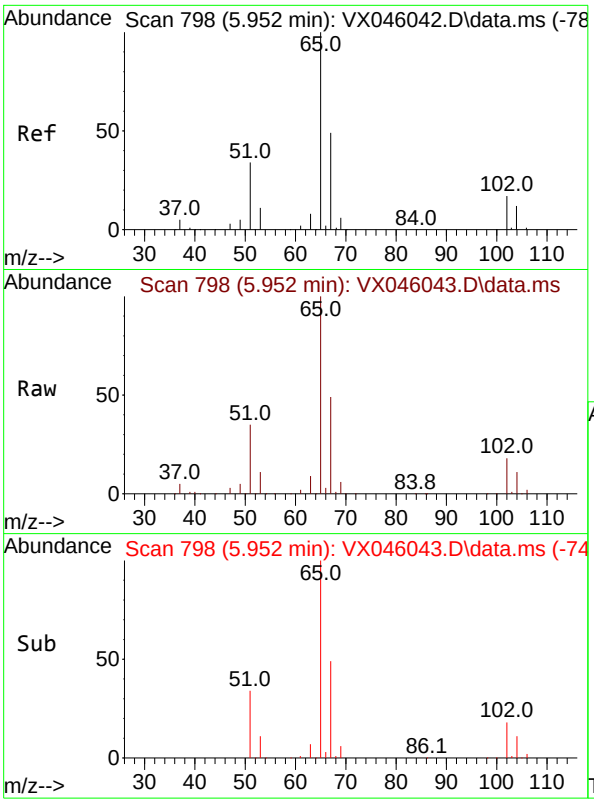




#32
1,1,1-Trichloroethane
Concen: 73.635 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 97 Resp: 201112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 51.8 | 77.6 |
| 61 | 48.7 | 40.1 | 60.1 |



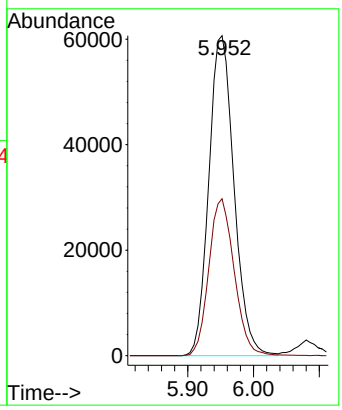


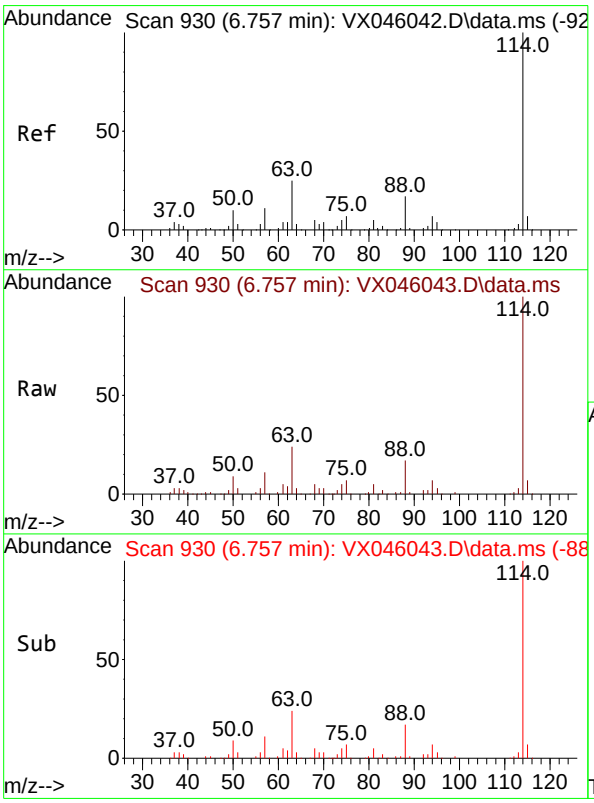

#33
1,2-Dichloroethane-d4
Concen: 62.526 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 65 Resp: 161877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.5 | 0.0 | 99.0 |

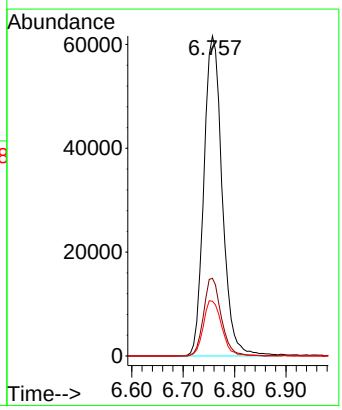


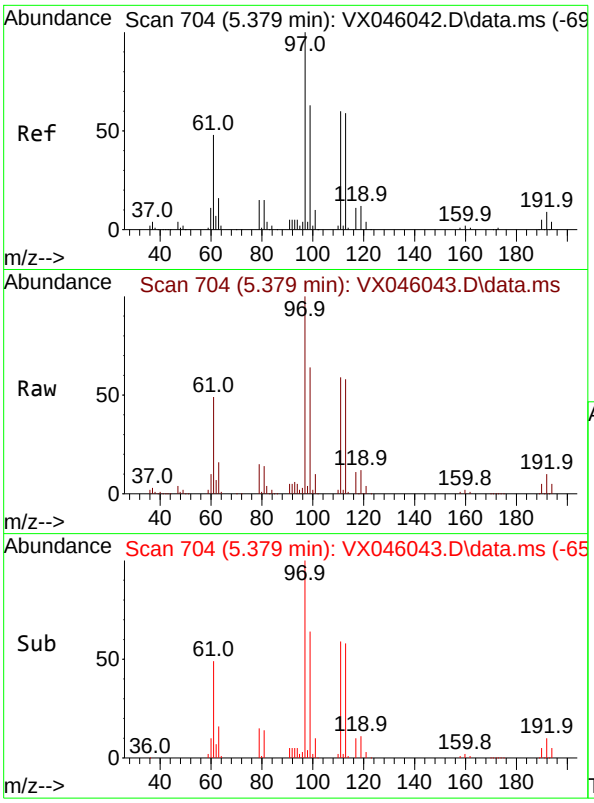




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:114 Resp: 152958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.3 | 0.0 | 49.2 |
| 88 | 17.1 | 0.0 | 33.6 |



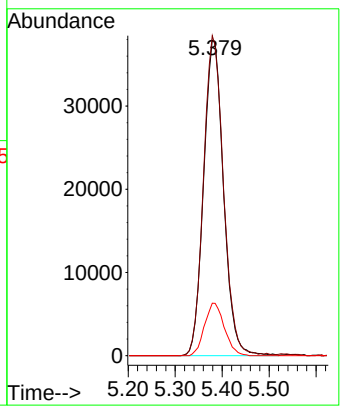


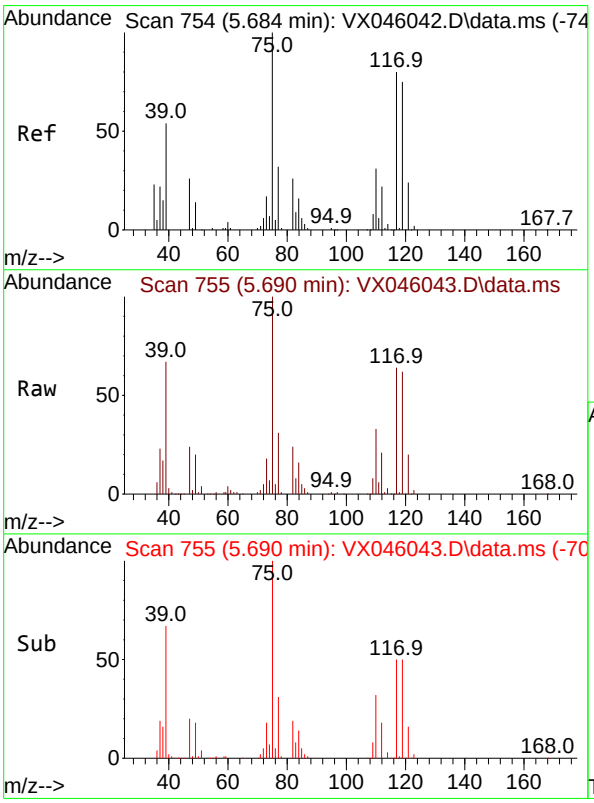

#35
Dibromofluoromethane
Concen: 65.006 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:113 Resp: 111455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 83.1 | 124.7 |
| 192 | 16.6 | 13.3 | 19.9 |

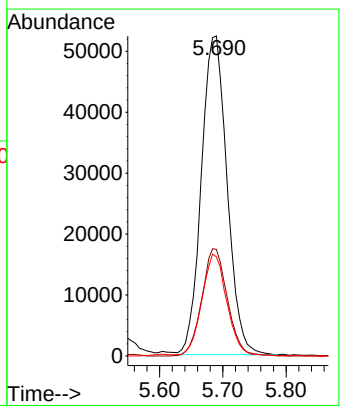


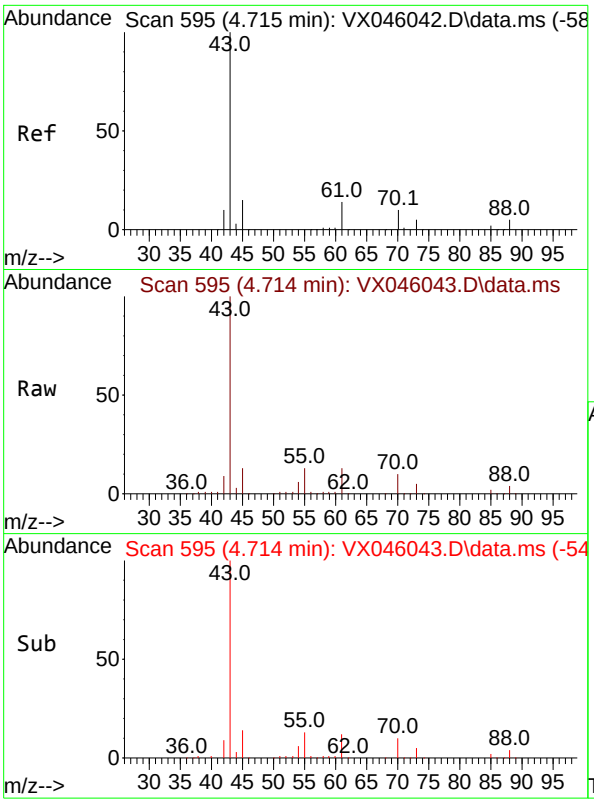




#36
1,1-Dichloropropene
Concen: 74.285 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 147873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.5 | 16.3 | 48.9 |
| 77 | 31.1 | 24.3 | 36.5 |



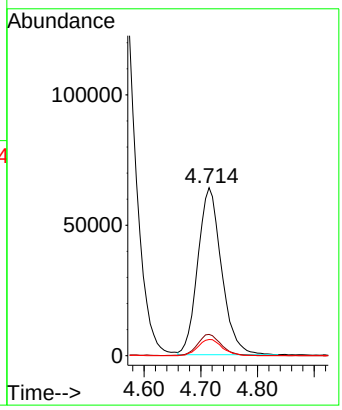


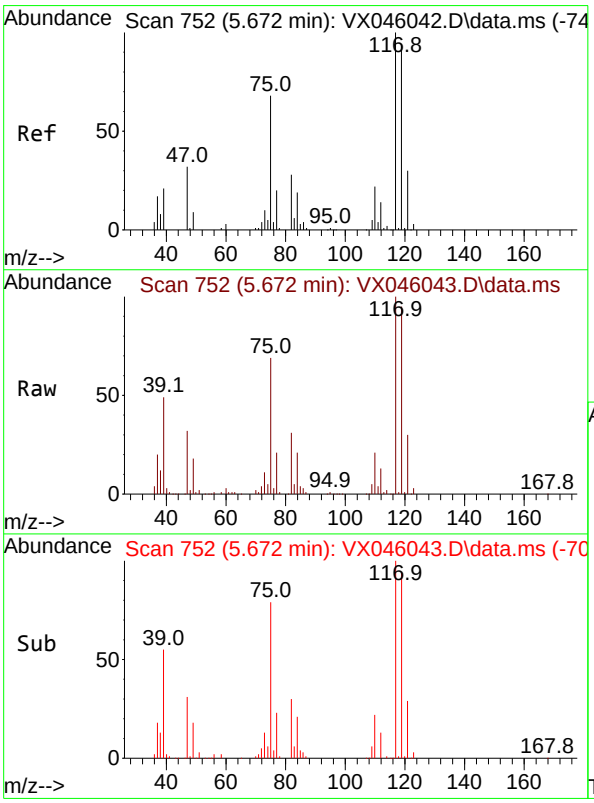

#37
Ethyl Acetate
Concen: 74.565 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 186215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.4 | 10.3 | 15.5 |
| 70 | 9.9 | 7.9 | 11.9 |

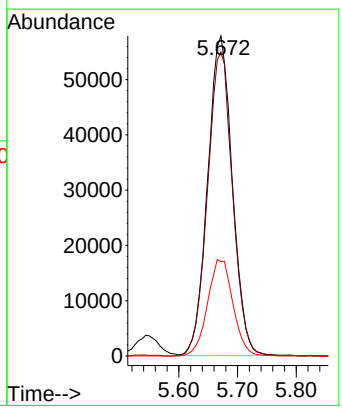


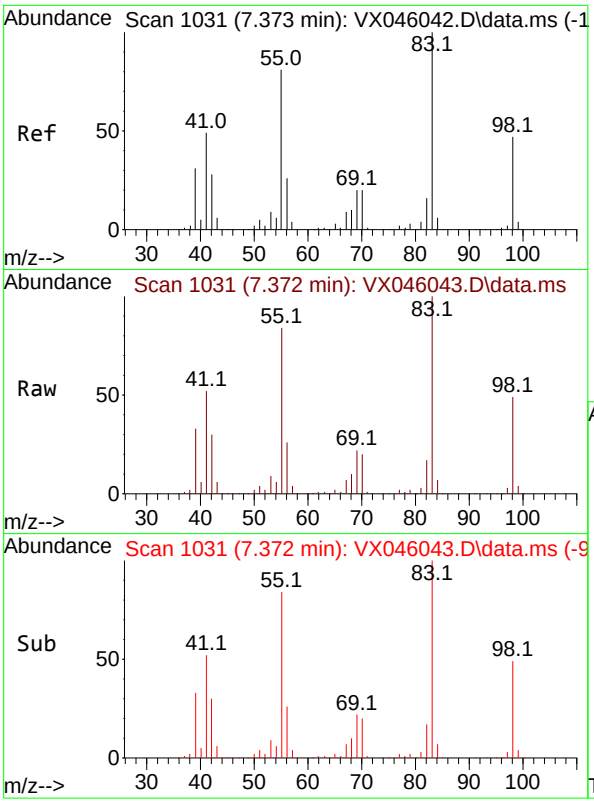




#38
Carbon Tetrachloride
Concen: 73.875 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 168946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.0 | 75.2 | 112.8 |
| 121 | 29.6 | 24.2 | 36.4 |



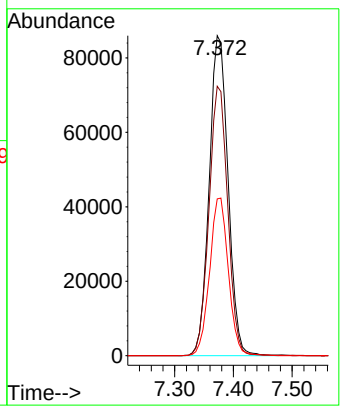


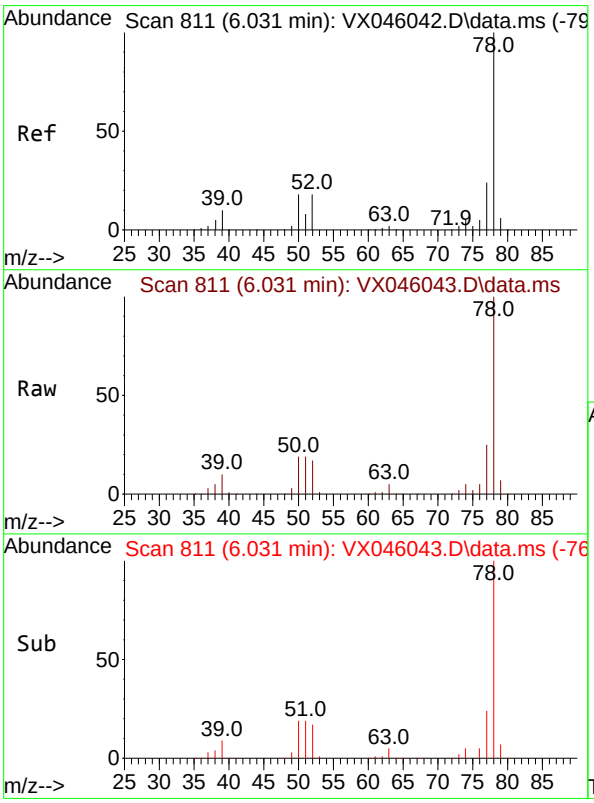

#39
Methylcyclohexane
Concen: 76.952 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 191941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 84.2 | 64.7 | 97.1 |
| 98 | 49.0 | 37.4 | 56.2 |

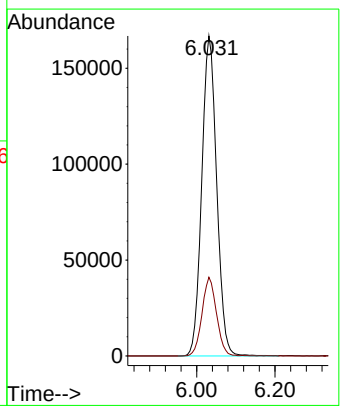


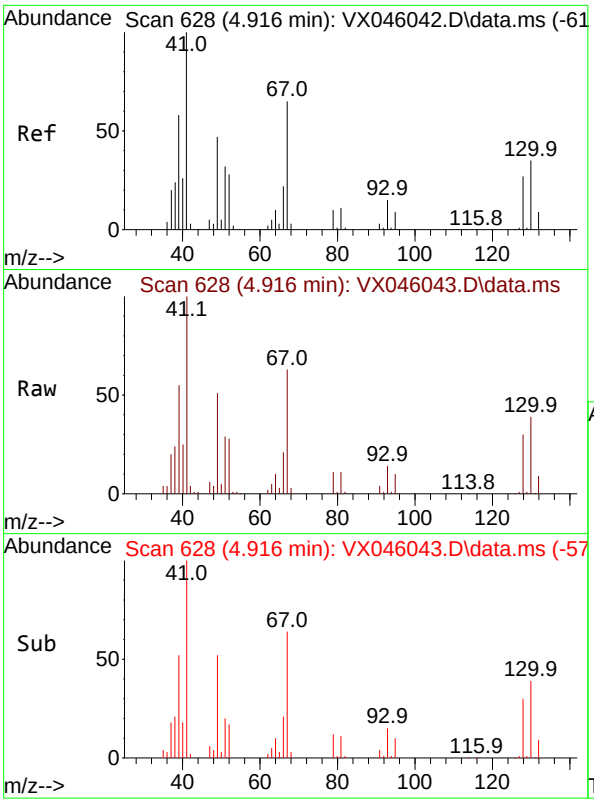




#40
Benzene
Concen: 71.457 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 78 Resp: 440885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.6 | 19.0 | 28.4 |



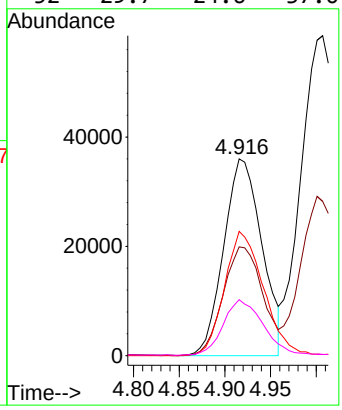


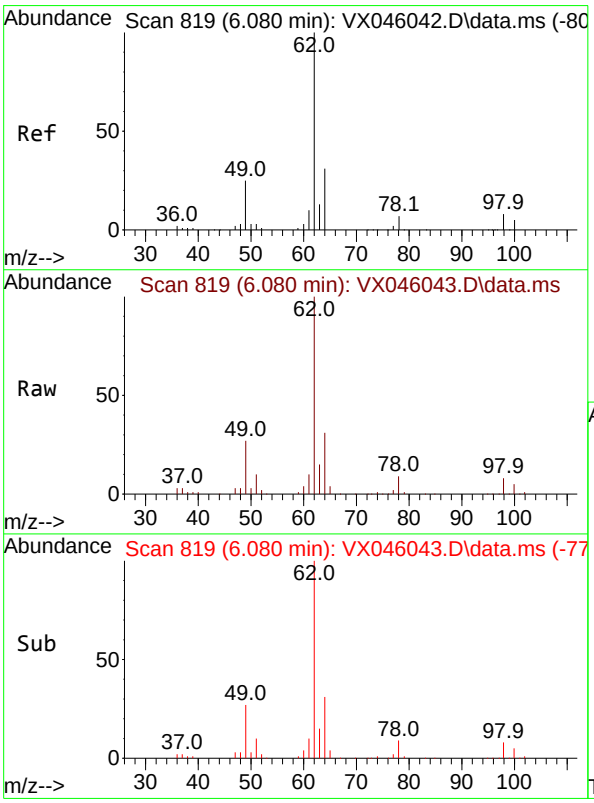

#41
Methacrylonitrile
Concen: 75.574 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 41 Resp: 104863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.0 | 47.2 | 70.8 |
| 67 | 64.6 | 50.7 | 76.1 |
| 52 | 29.7 | 24.6 | 37.0 |

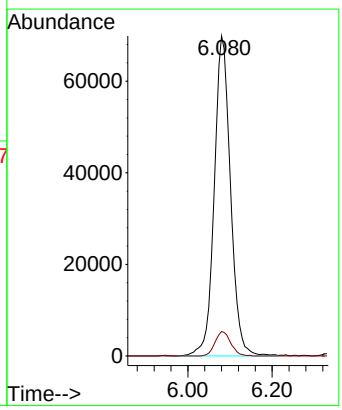


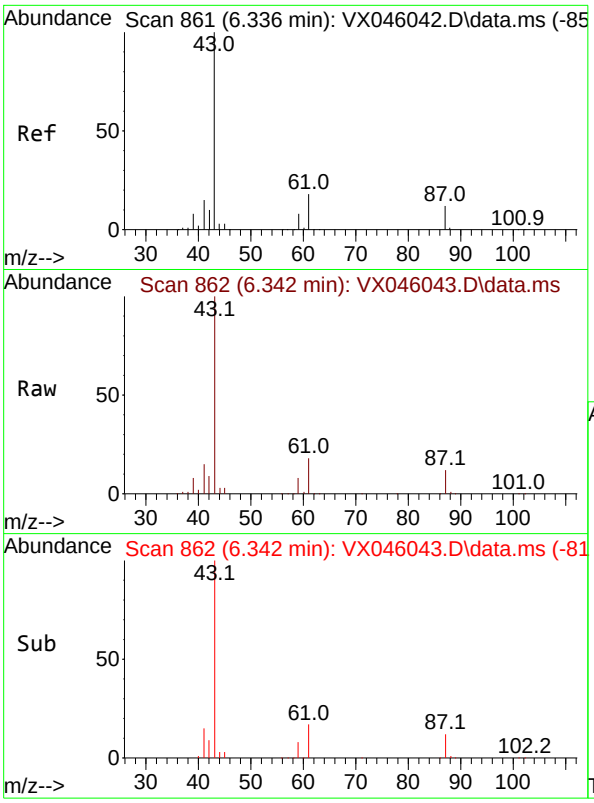




#42
1,2-Dichloroethane
Concen: 73.318 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 187036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.4 | 0.0 | 15.2 |



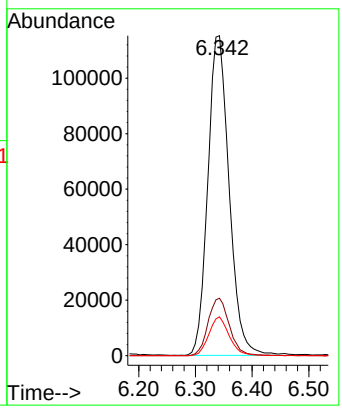


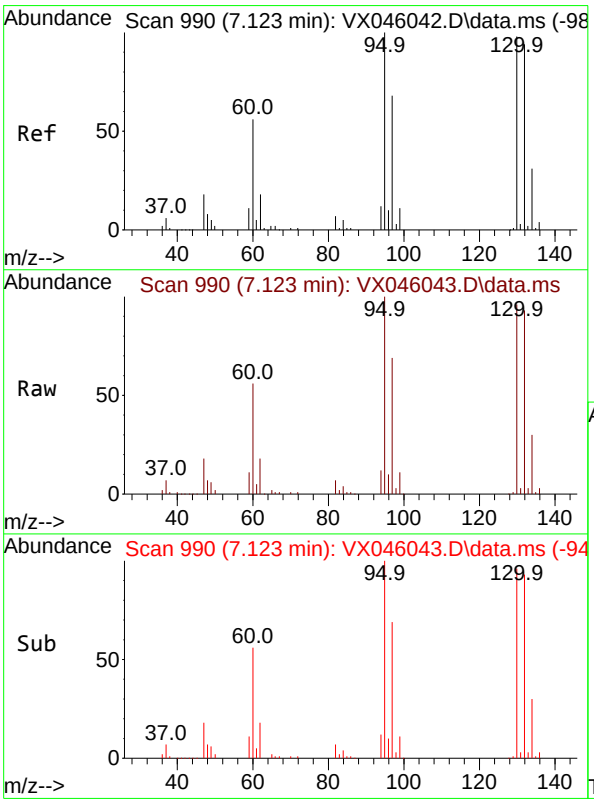

#43
Isopropyl Acetate
Concen: 78.714 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 300491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 14.3 | 21.5 |
| 87 | 11.6 | 9.5 | 14.3 |

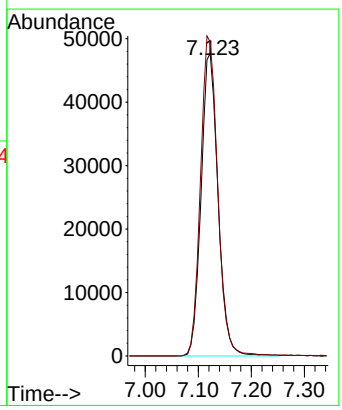


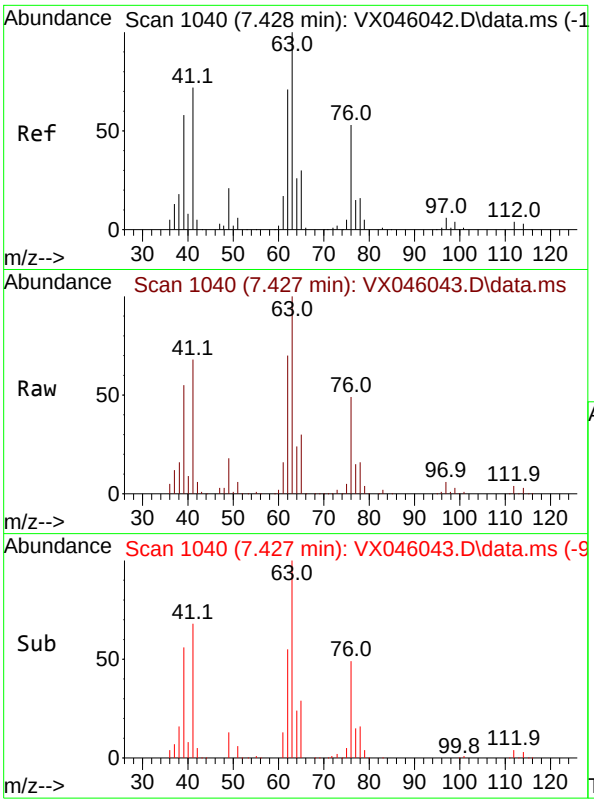




#44
Trichloroethene
Concen: 72.420 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:130 Resp: 105628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 103.8 | 0.0 | 204.2 |



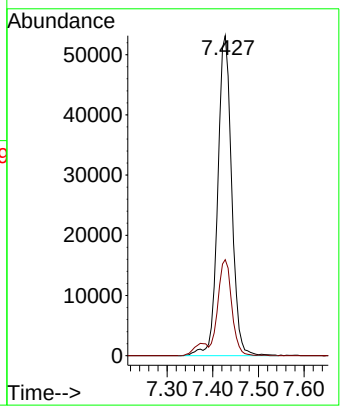


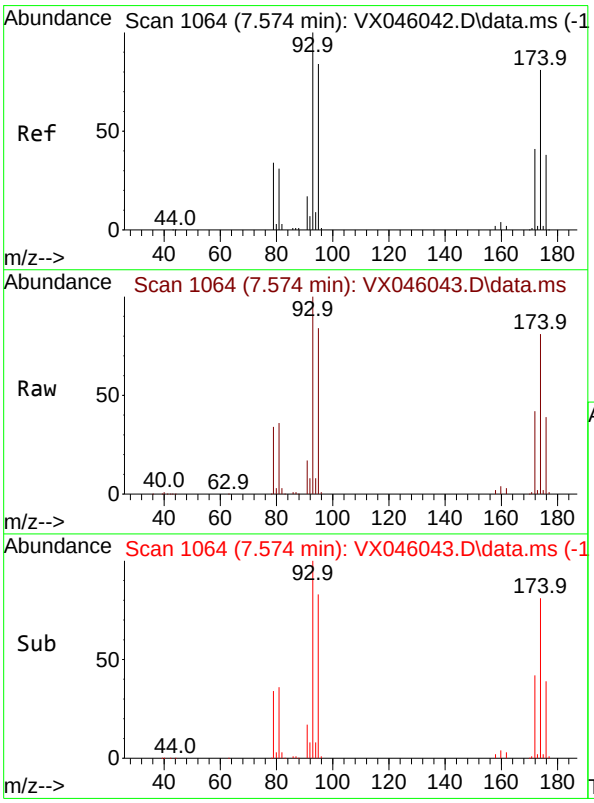

#45
1,2-Dichloropropane
Concen: 73.420 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 63 Resp: 112554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.0 | 24.1 | 36.1 |

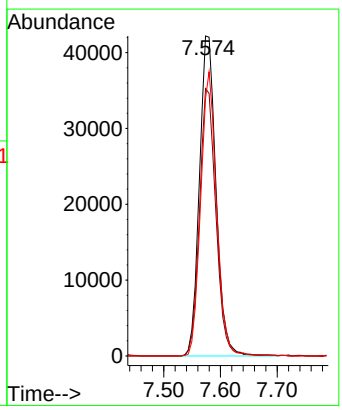


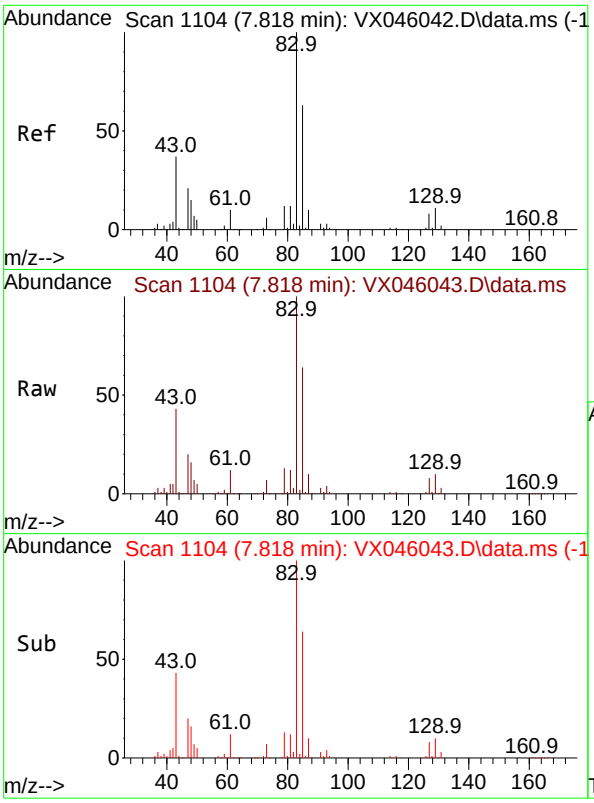




#46
Dibromomethane
Concen: 70.938 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 93 Resp: 85728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.4 | 65.6 | 98.4 |
| 174 | 85.0 | 68.2 | 102.2 |



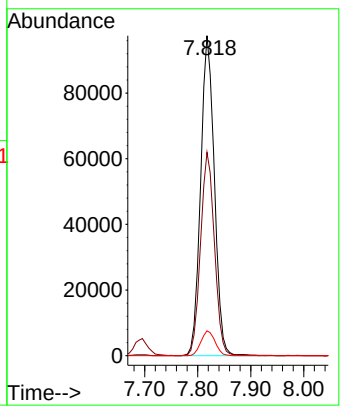


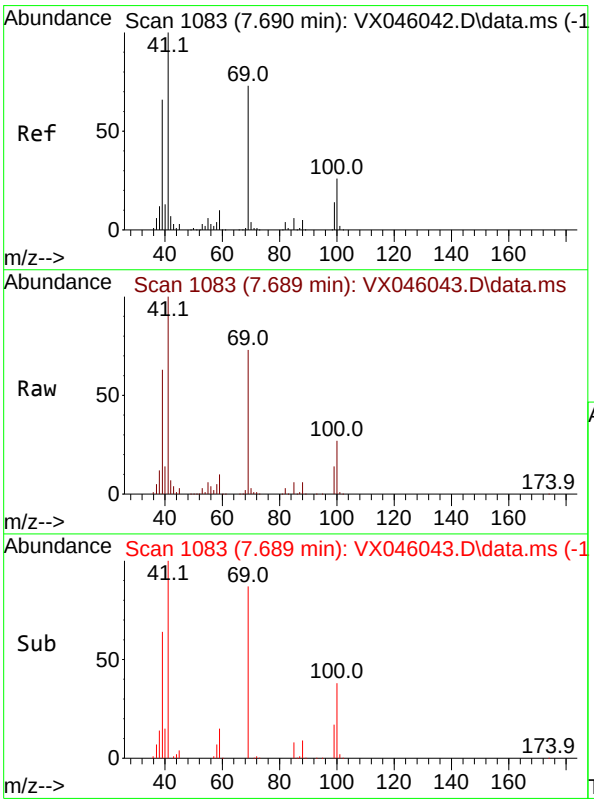

#47
Bromodichloromethane
Concen: 74.845 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 175301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.6 | 50.5 | 75.7 |
| 127 | 7.8 | 6.5 | 9.7 |

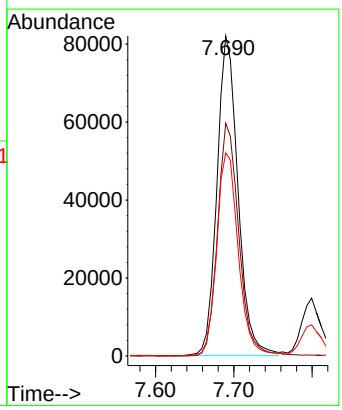


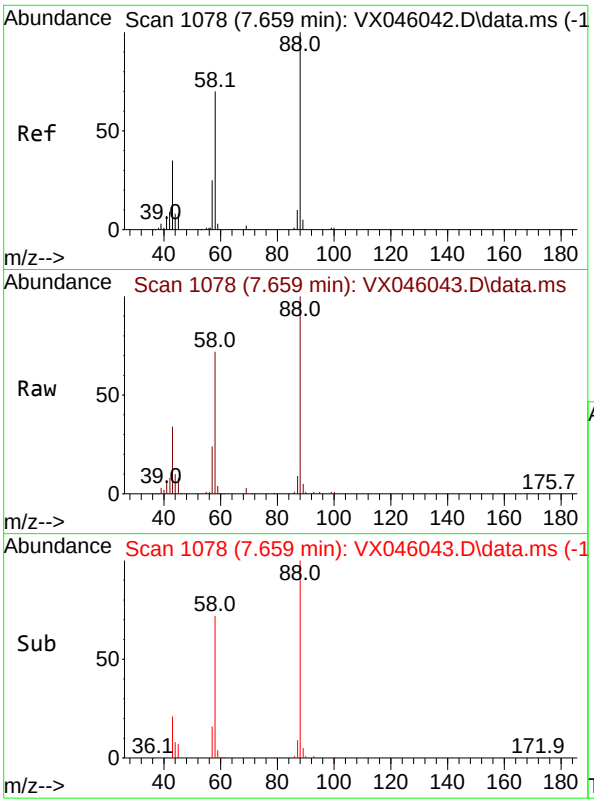




#48
Methyl methacrylate
Concen: 78.101 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 153093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 74.1 | 58.5 | 87.7 |
| 39 | 65.5 | 51.7 | 77.5 |



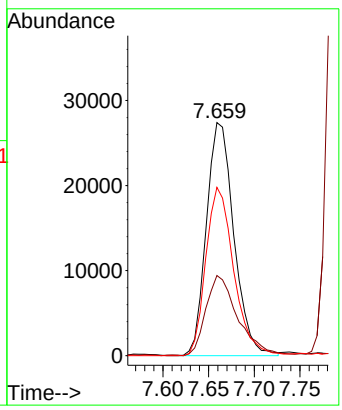


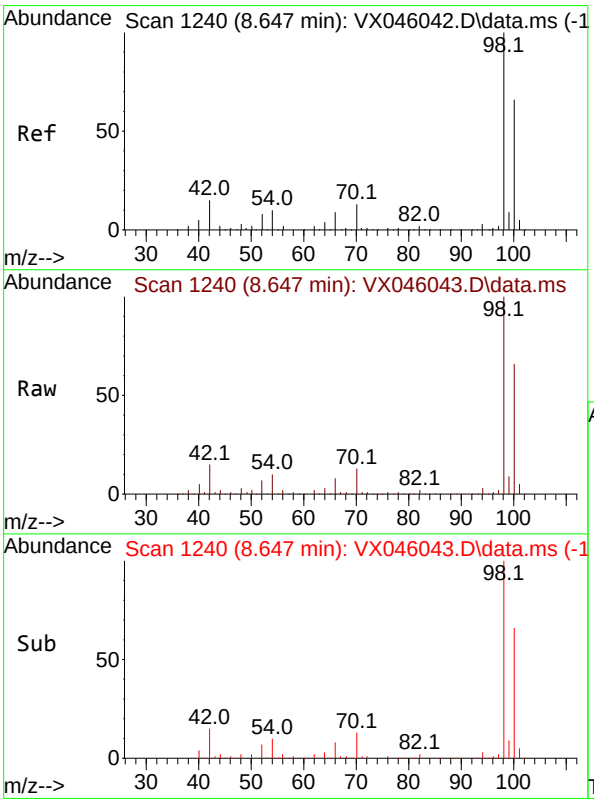

#49
1,4-Dioxane
Concen: 1470.687 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 88 Resp: 57313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.1 | 33.4 | 50.2 |
| 58 | 73.3 | 58.6 | 88.0 |

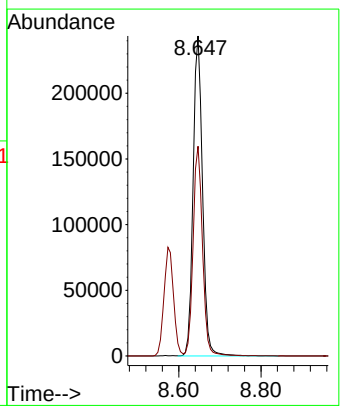


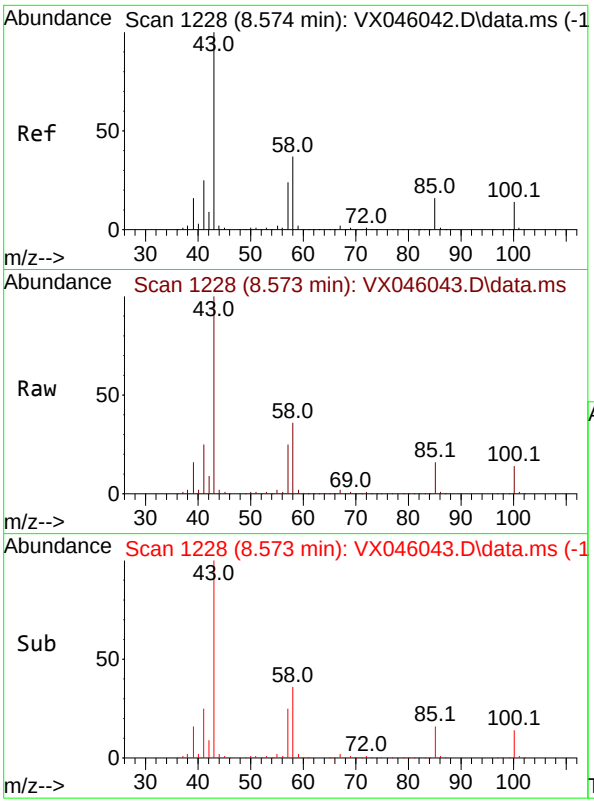




#50
Toluene-d8
Concen: 67.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 98 Resp: 387230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 53.5 | 80.3 |



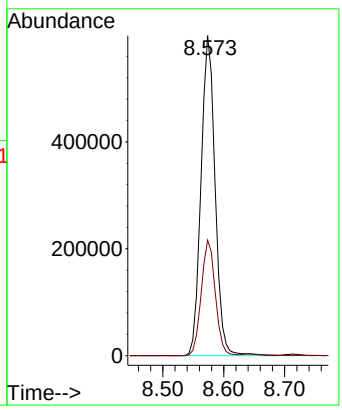


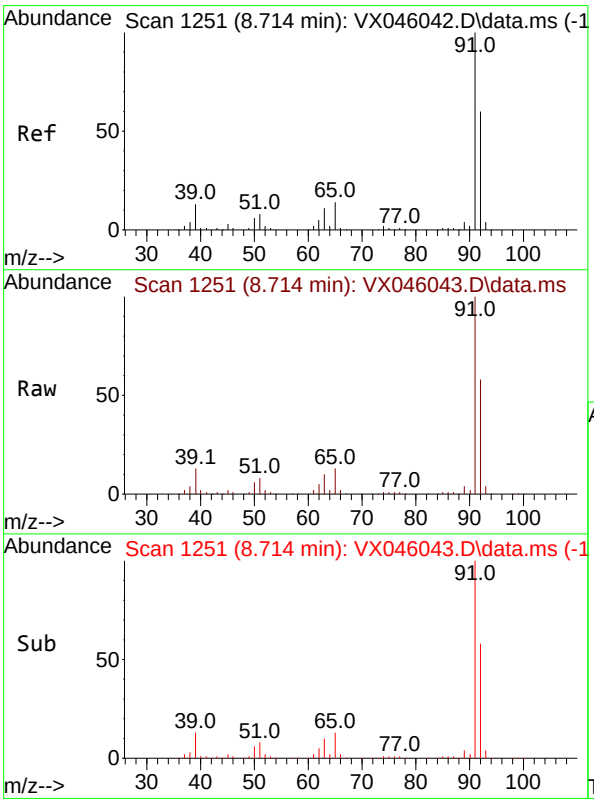

#51
4-Methyl-2-Pentanone
Concen: 384.740 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 963319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.1 | 28.9 | 43.3 |

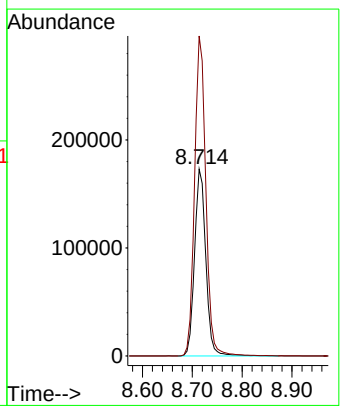


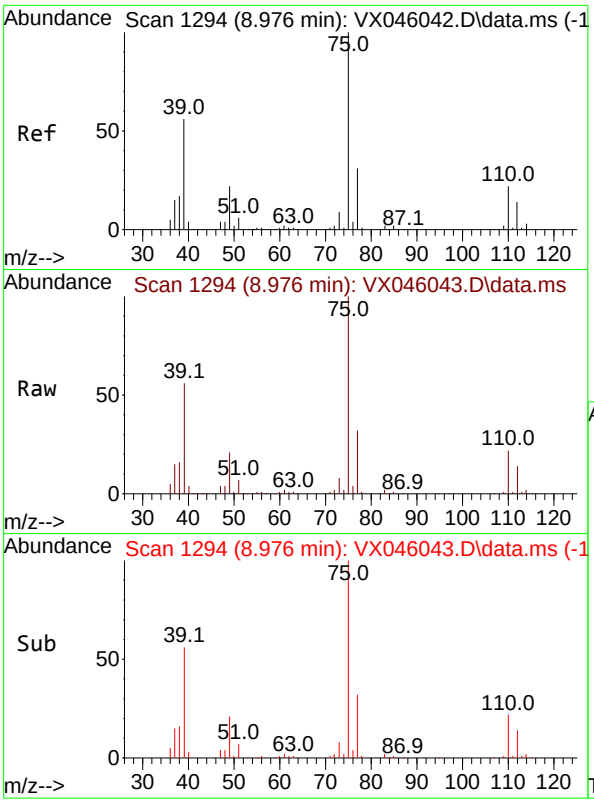




#52
Toluene
Concen: 74.010 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 92 Resp: 270763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.2 | 136.6 | 205.0 |



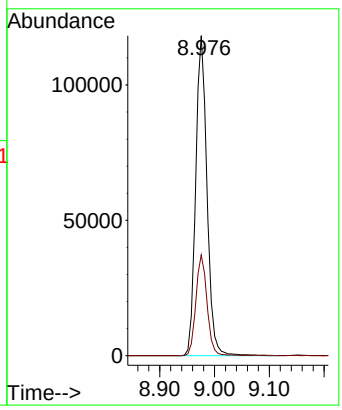


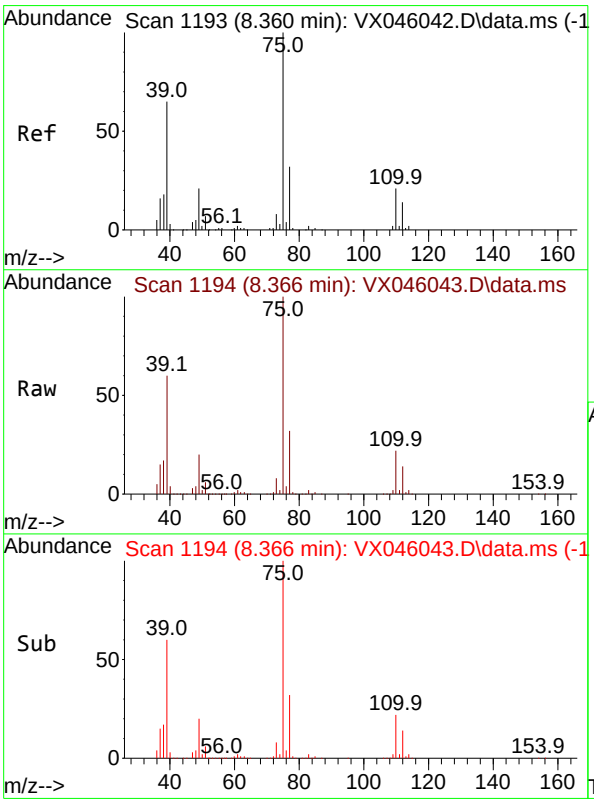

#53
t-1,3-Dichloropropene
Concen: 86.372 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 169863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.0 | 37.6 |

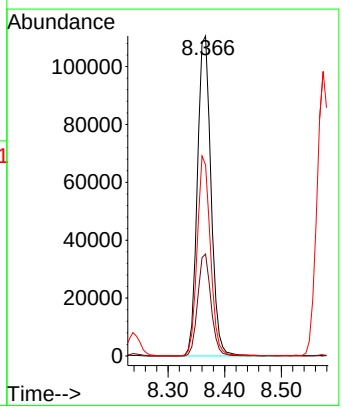


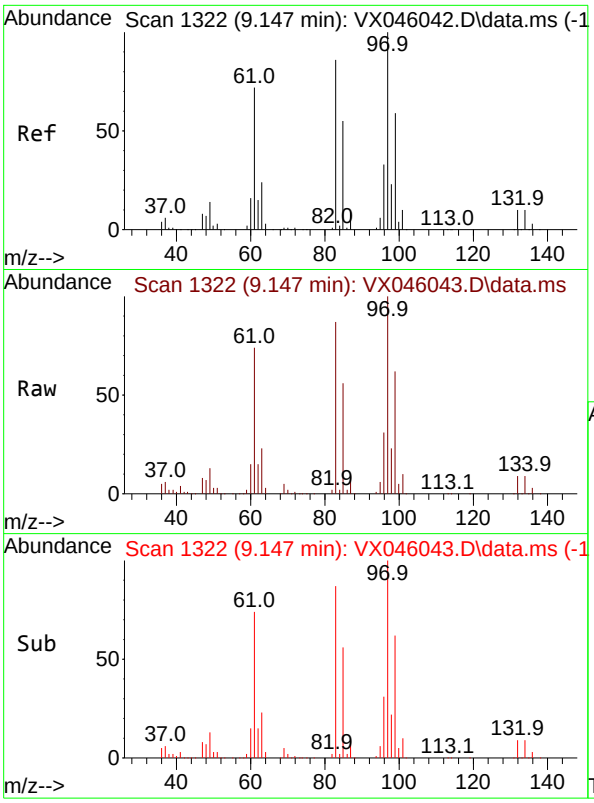




#54
cis-1,3-Dichloropropene
Concen: 80.264 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 184134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.4 | 38.0 |
| 39 | 59.6 | 52.2 | 78.4 |



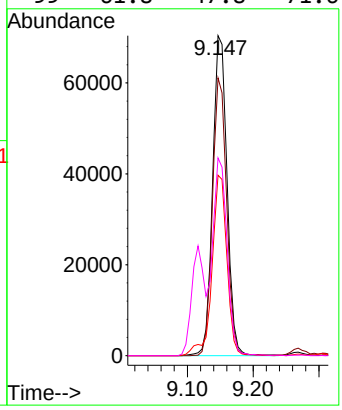


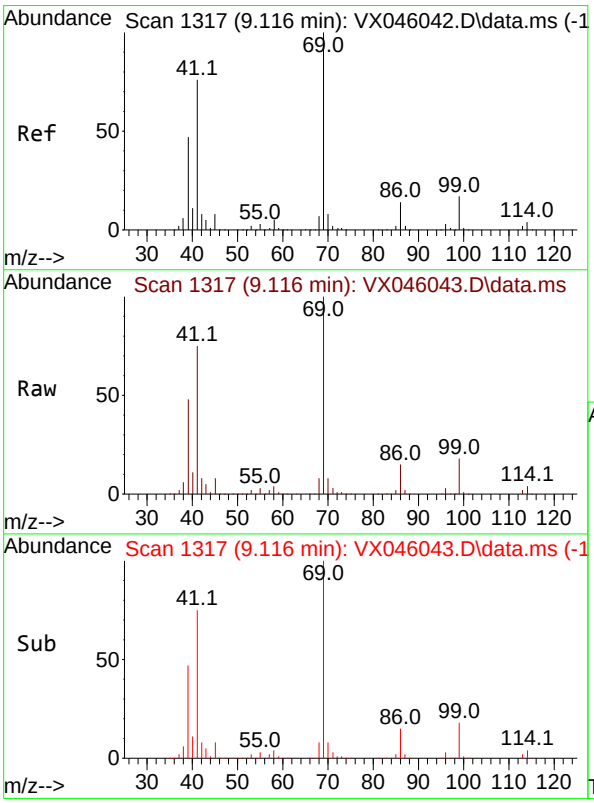

#55
1,1,2-Trichloroethane
Concen: 72.543 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 97 Resp: 107264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.8 | 69.0 | 103.6 |
| 85 | 56.4 | 44.3 | 66.5 |
| 99 | 61.8 | 47.8 | 71.6 |

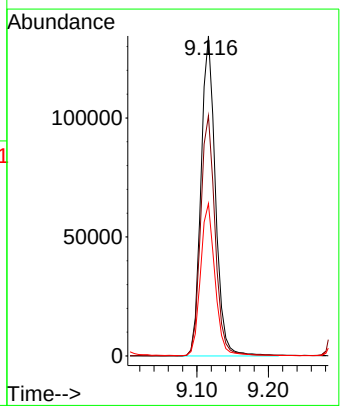


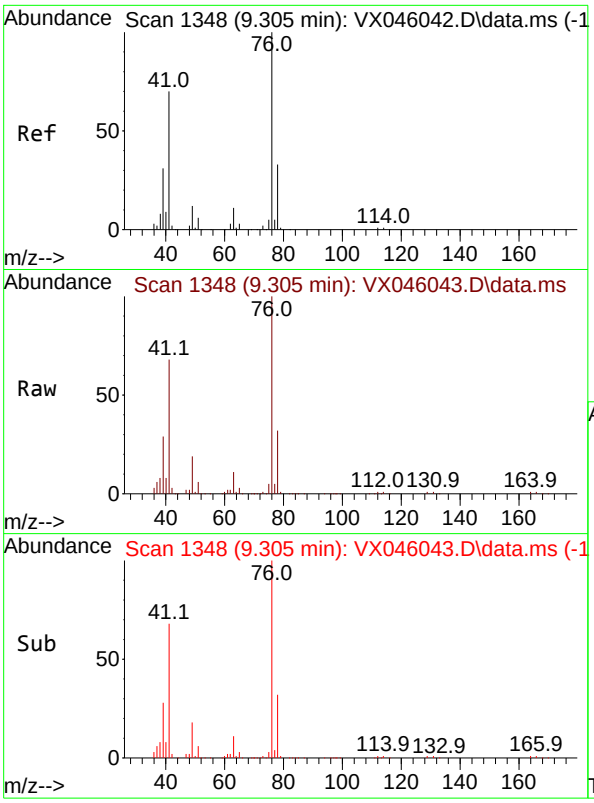




#56
Ethyl methacrylate
Concen: 82.359 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 69 Resp: 188717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 75.7 | 60.8 | 91.2 |
| 39 | 47.7 | 39.0 | 58.6 |



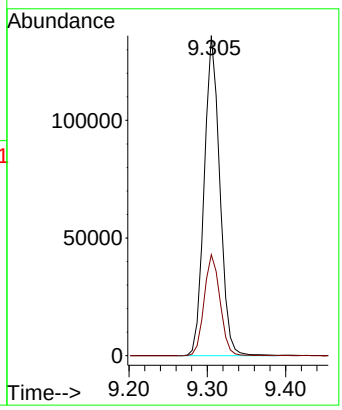


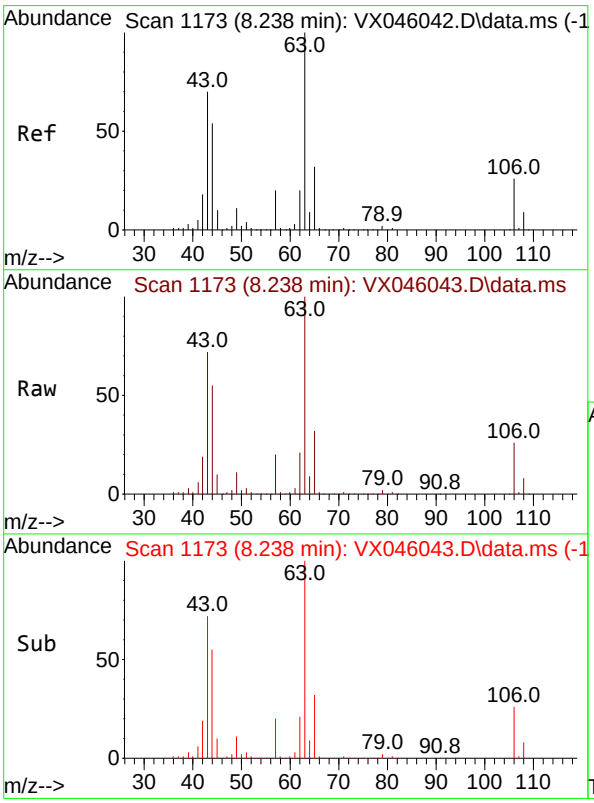

#57
1,3-Dichloropropane
Concen: 71.590 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 187649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 26.3 | 39.5 |

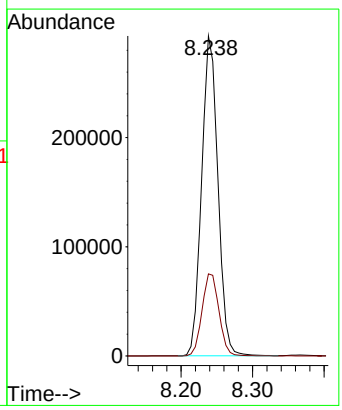


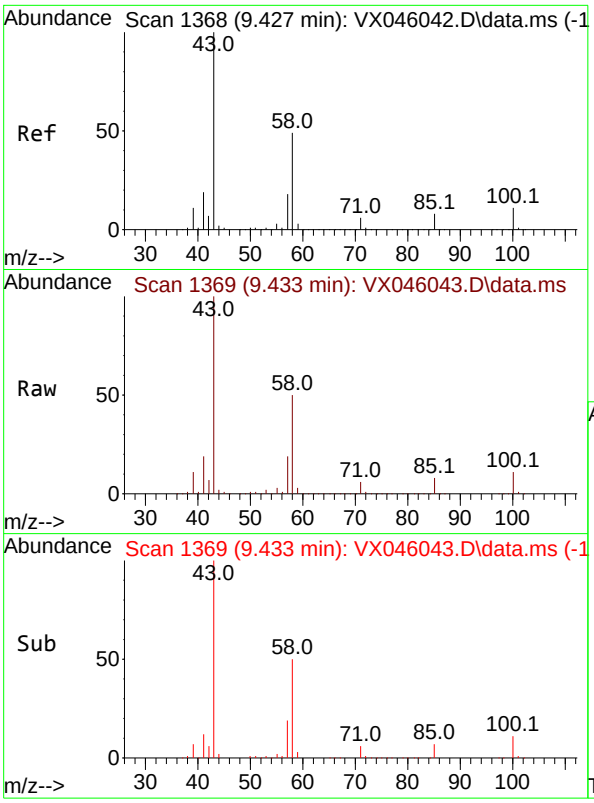




#58
2-Chloroethyl Vinyl ether
Concen: 449.791 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 463169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.7 | 21.5 | 32.3 |



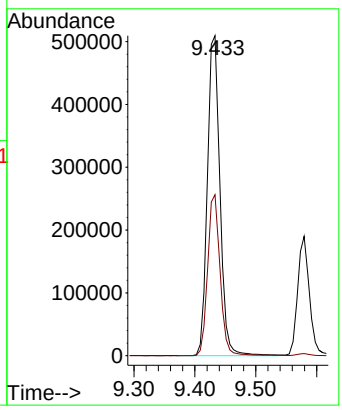


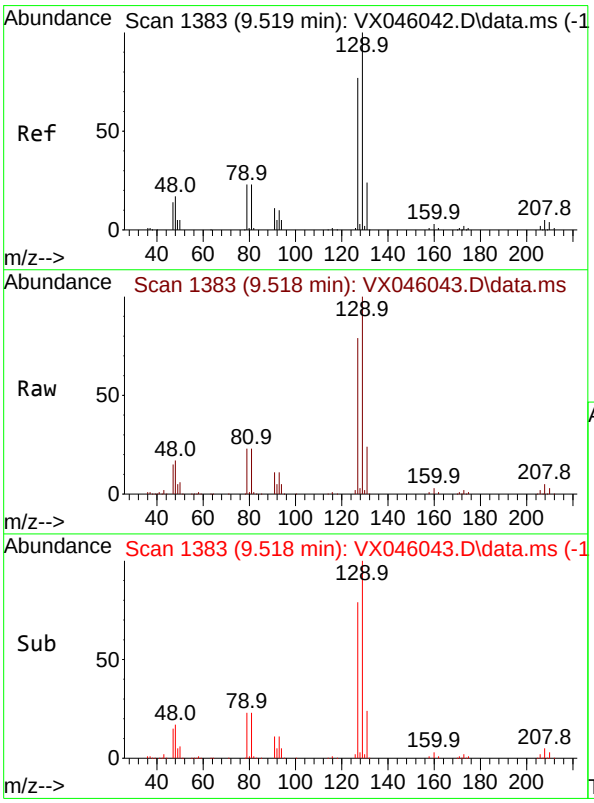

#59
2-Hexanone
Concen: 383.945 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 729602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.9 | 24.9 | 74.6 |

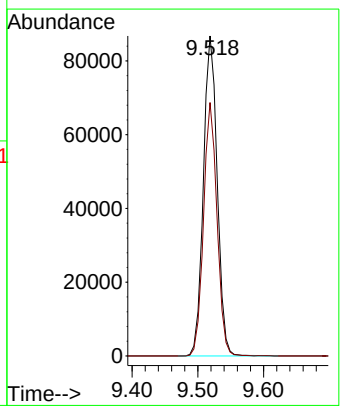


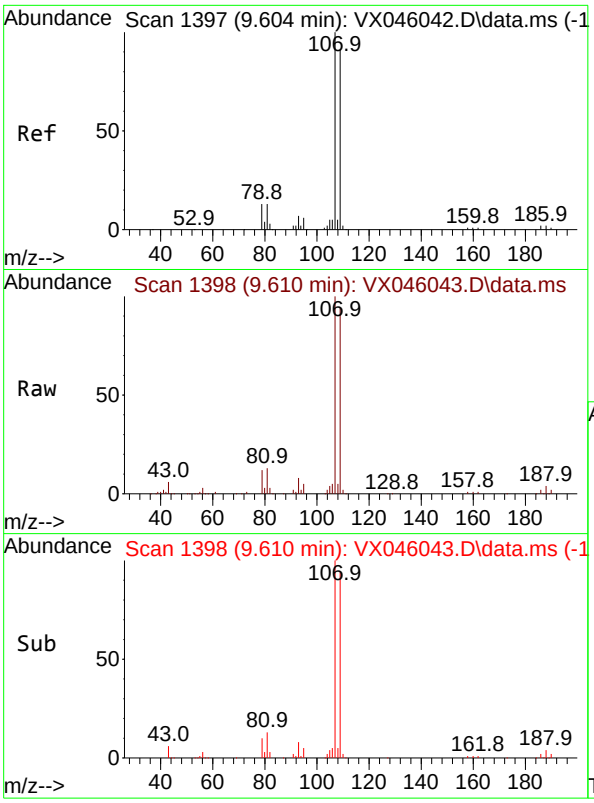




#60
Dibromochloromethane
Concen: 78.918 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:129 Resp: 127012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.0 | 39.3 | 117.8 |



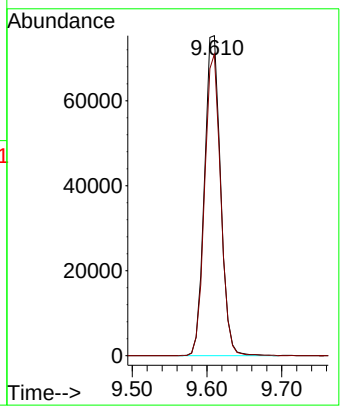


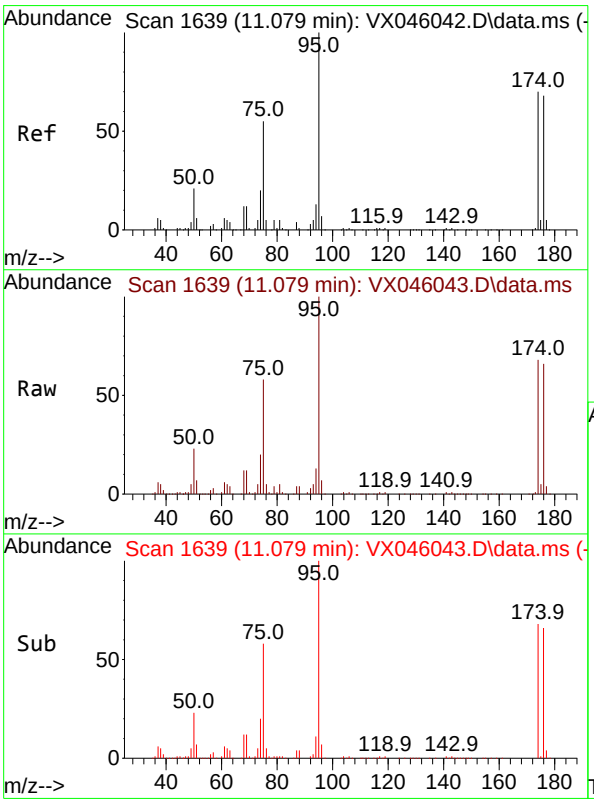

#61
1,2-Dibromoethane
Concen: 74.200 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:107 Resp: 112669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 73.3 | 109.9 |

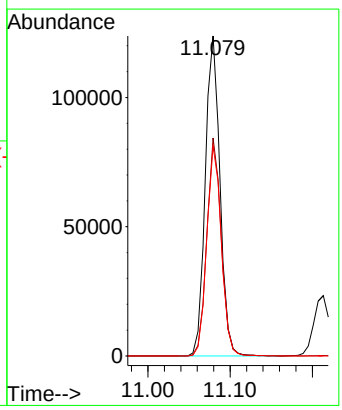


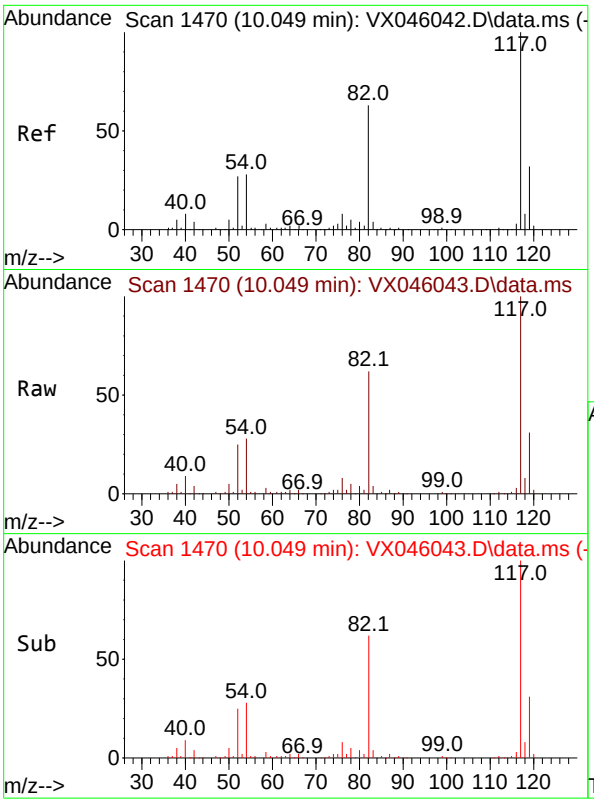




#62
4-Bromofluorobenzene
Concen: 72.818 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 95 Resp: 153085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.1 | 0.0 | 135.8 |
| 176 | 65.3 | 0.0 | 131.4 |



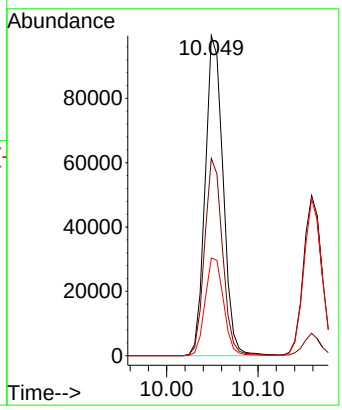


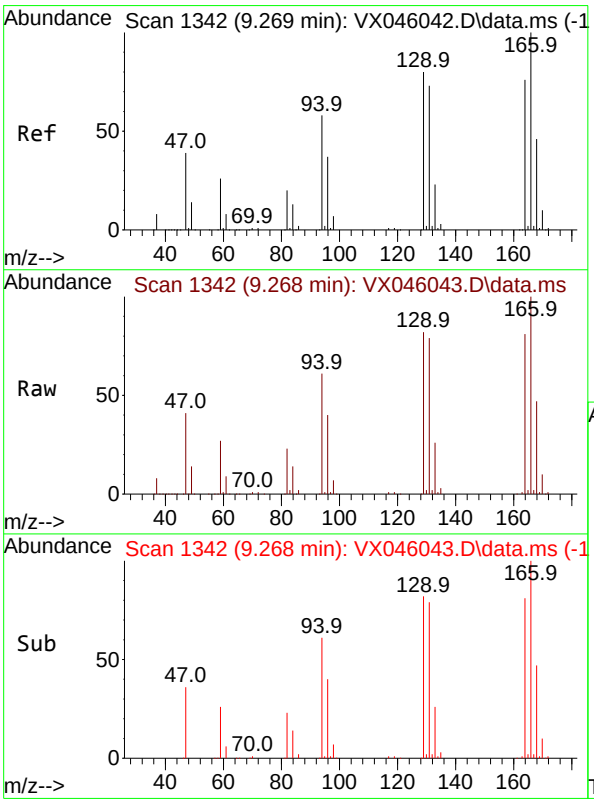

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:117 Resp: 135214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.7 | 50.6 | 76.0 |
| 119 | 30.6 | 25.8 | 38.6 |

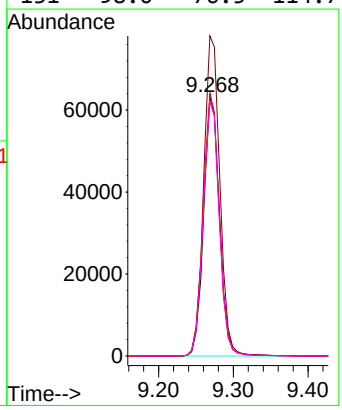


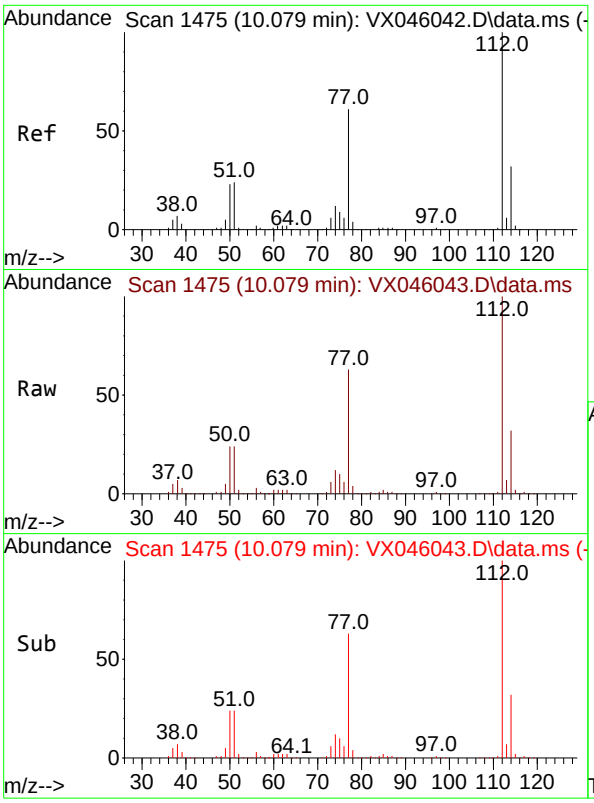




#64
Tetrachloroethene
Concen: 67.493 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:164 Resp: 93195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.4 | 105.0 | 157.6 |
| 129 | 101.4 | 83.5 | 125.3 |
| 131 | 98.0 | 76.5 | 114.7 |



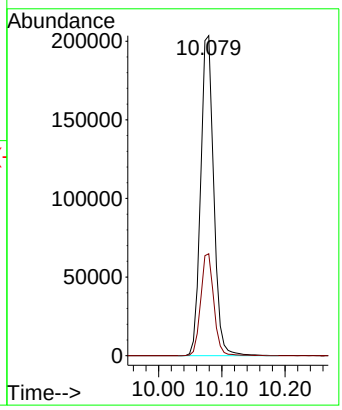


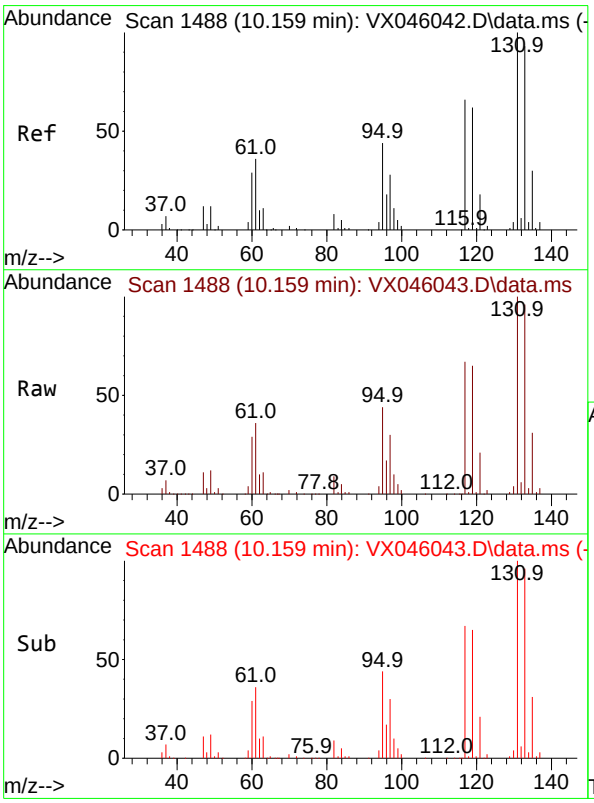

#65
Chlorobenzene
Concen: 70.490 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:112 Resp: 293284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.4 | 38.2 |

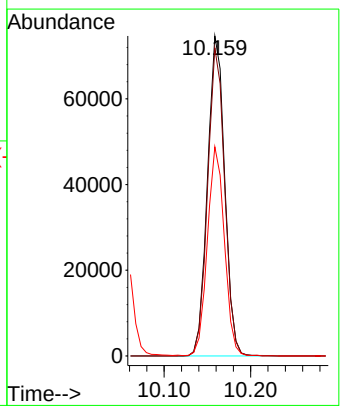


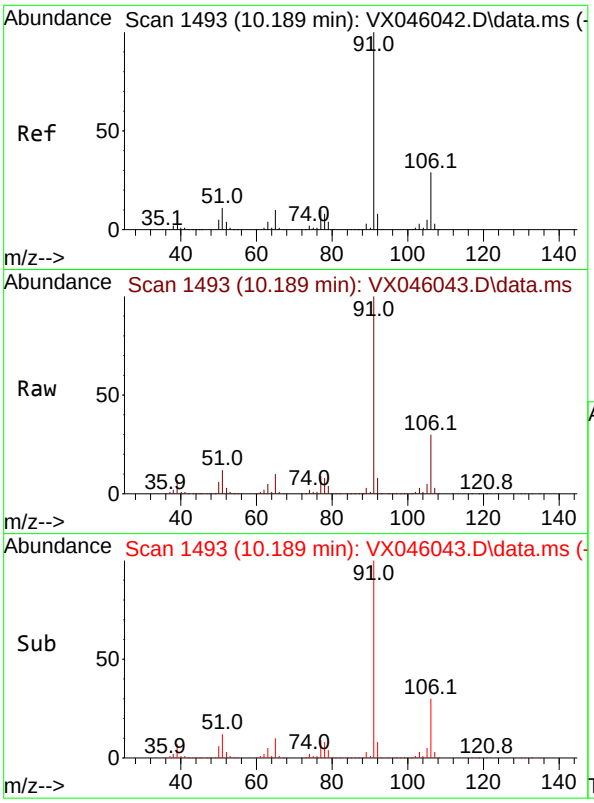




#66
1,1,1,2-Tetrachloroethane
Concen: 74.349 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:131 Resp: 103177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.3 | 47.3 | 141.9 |
| 119 | 64.5 | 31.6 | 95.0 |



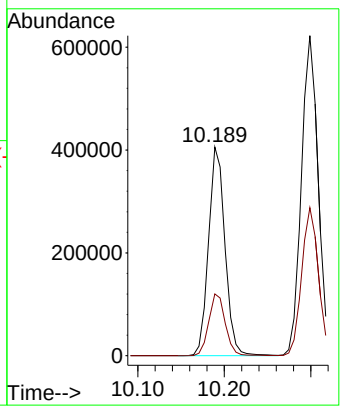


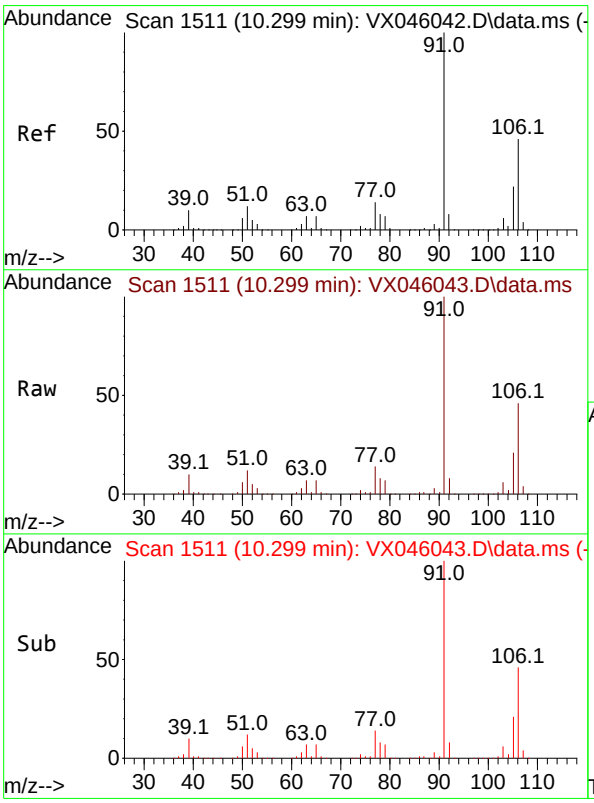

#67
Ethyl Benzene
Concen: 75.444 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 535122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.6 | 23.4 | 35.2 |

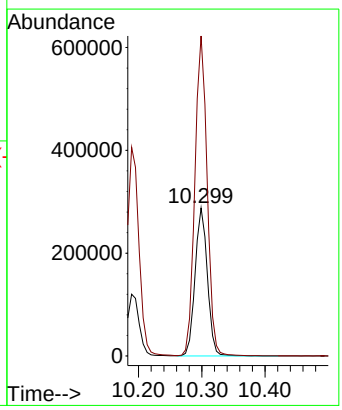


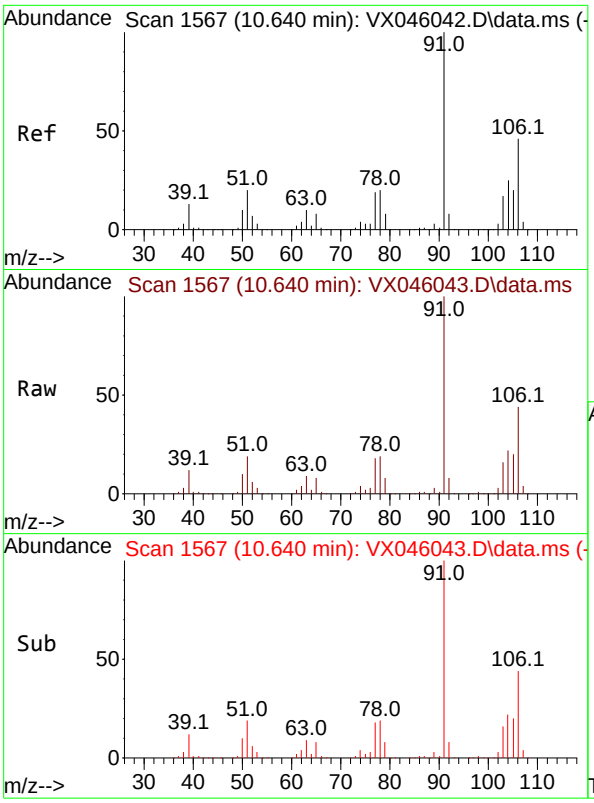




#68
m/p-Xylenes
Concen: 152.181 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:106 Resp: 389935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.8 | 171.2 | 256.8 |



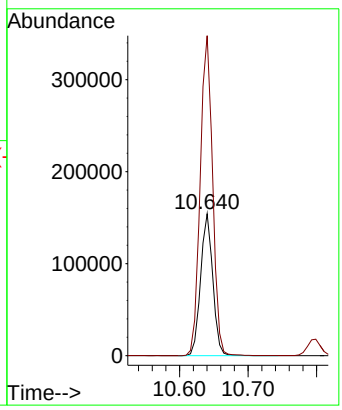


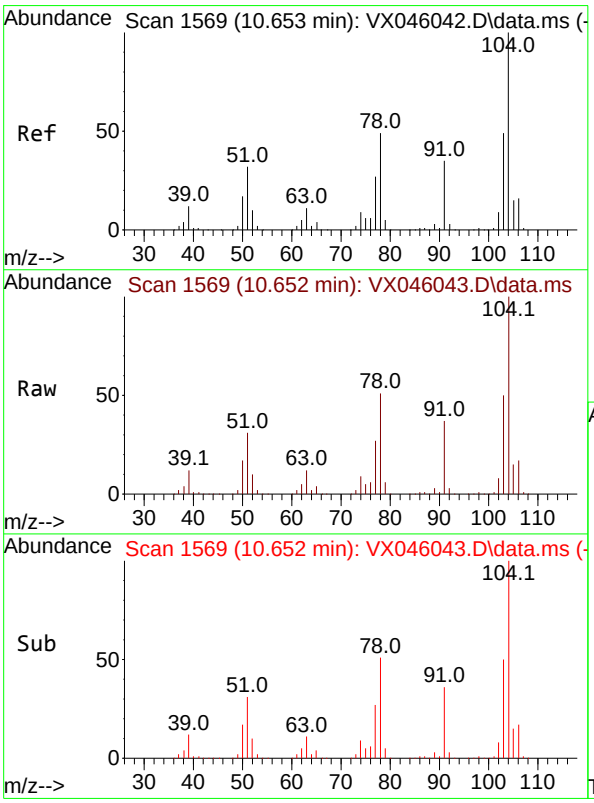

#69
o-Xylene
Concen: 73.890 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:106 Resp: 190833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 230.3 | 112.7 | 338.1 |

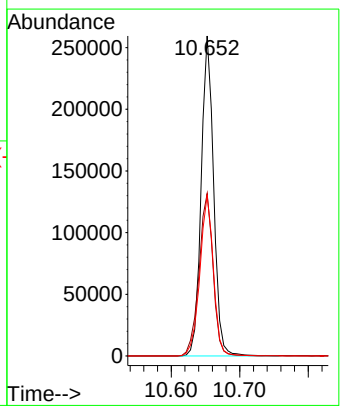


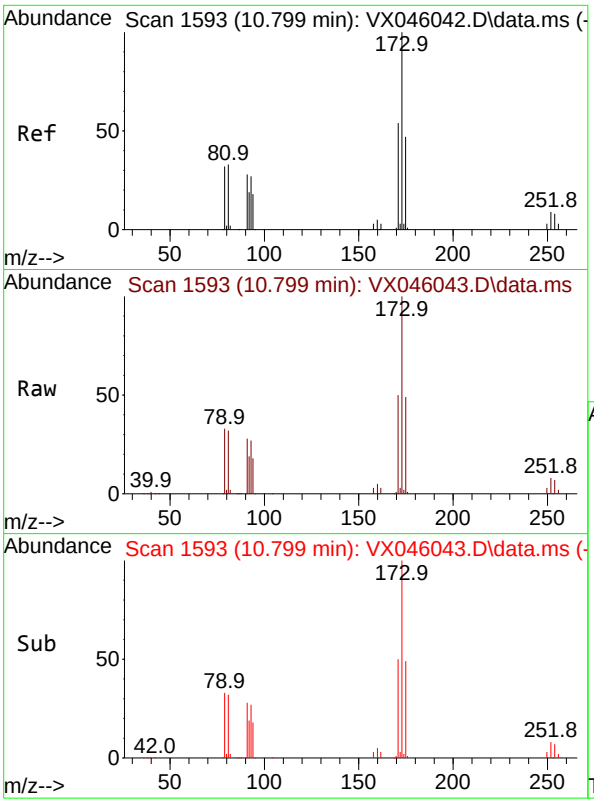




#70
Styrene
Concen: 79.411 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:104 Resp: 328195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.4 | 45.7 | 68.5 |
| 103 | 54.8 | 43.7 | 65.5 |



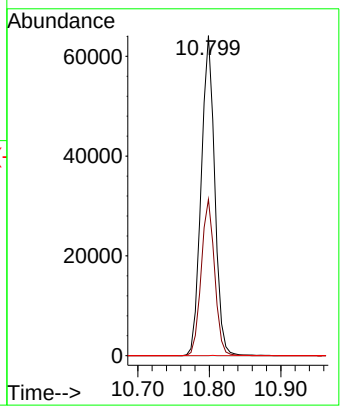


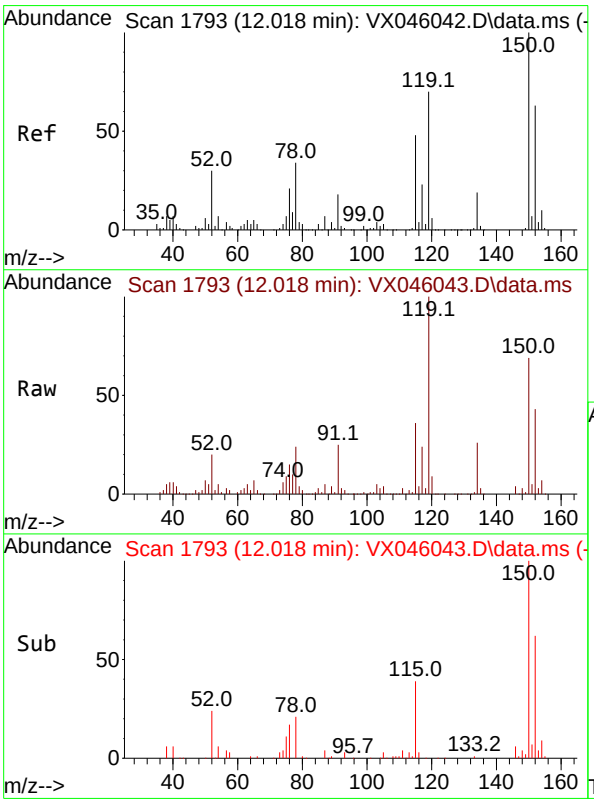

#71
Bromoform
Concen: 80.927 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:173 Resp: 84353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0# |

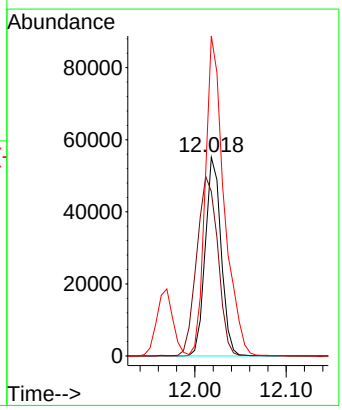


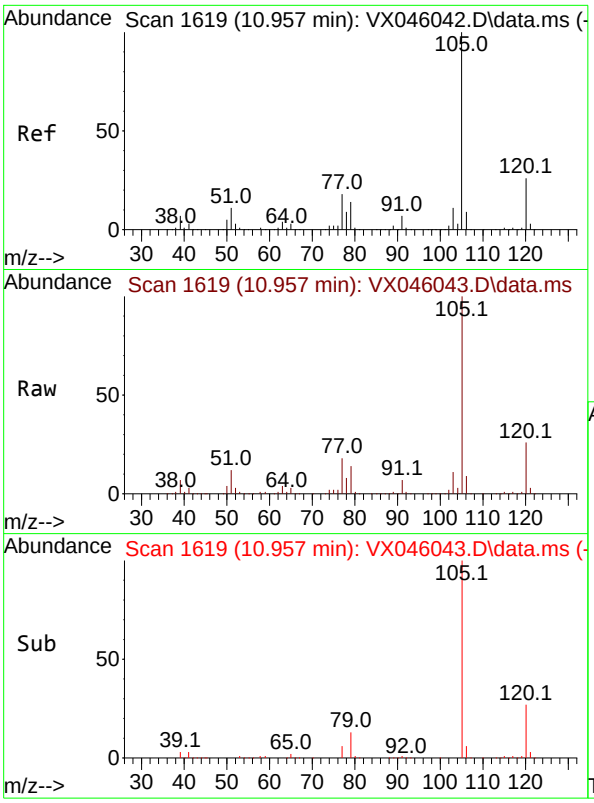




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:152 Resp: 66369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 120.4 | 46.9 | 140.7 |
| 150 | 190.4 | 0.0 | 351.0 |



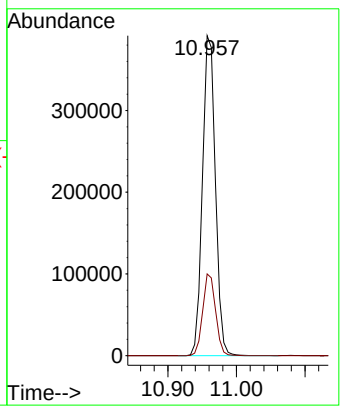


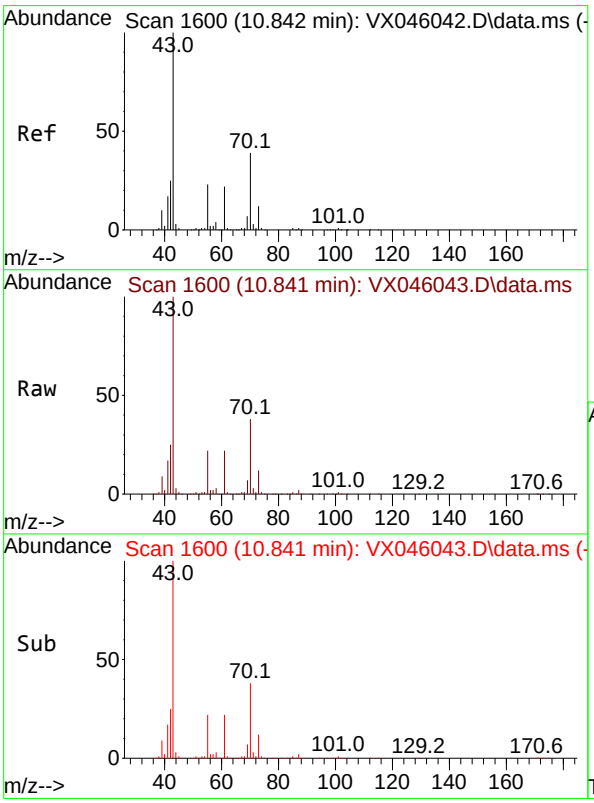

#73
Isopropylbenzene
Concen: 71.083 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 514528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.4 | 12.8 | 38.4 |

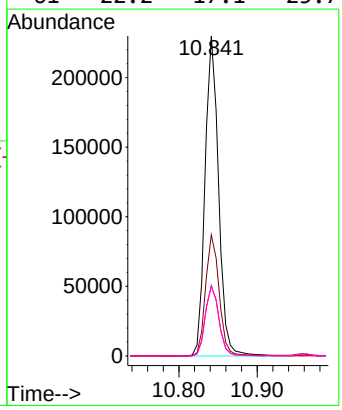


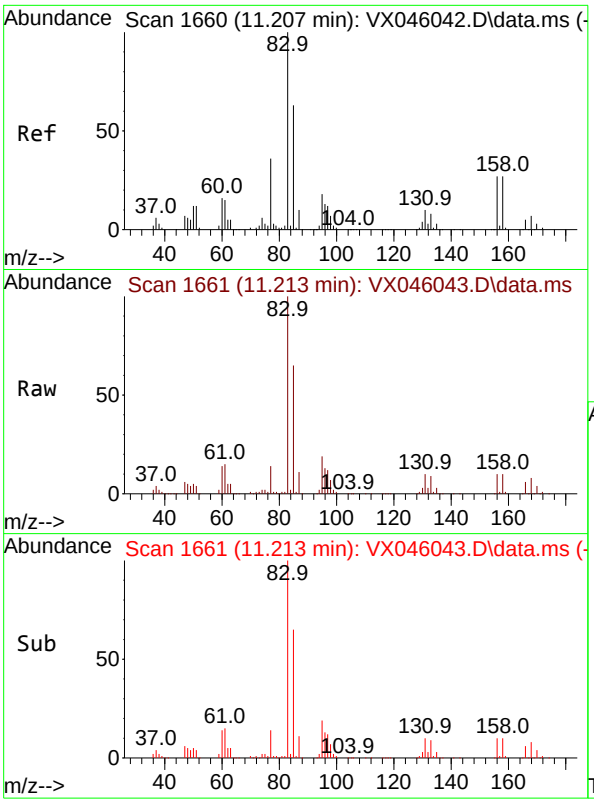




#74
N-amyl acetate
Concen: 76.073 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 274553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.2 | 30.9 | 46.3 |
| 55 | 22.5 | 18.7 | 28.1 |
| 61 | 22.2 | 17.1 | 25.7 |



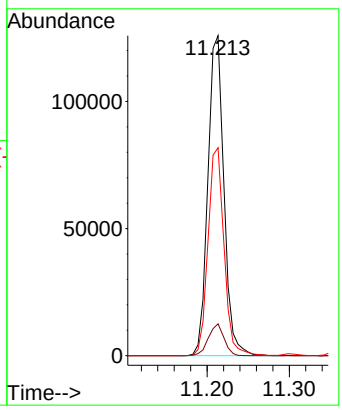


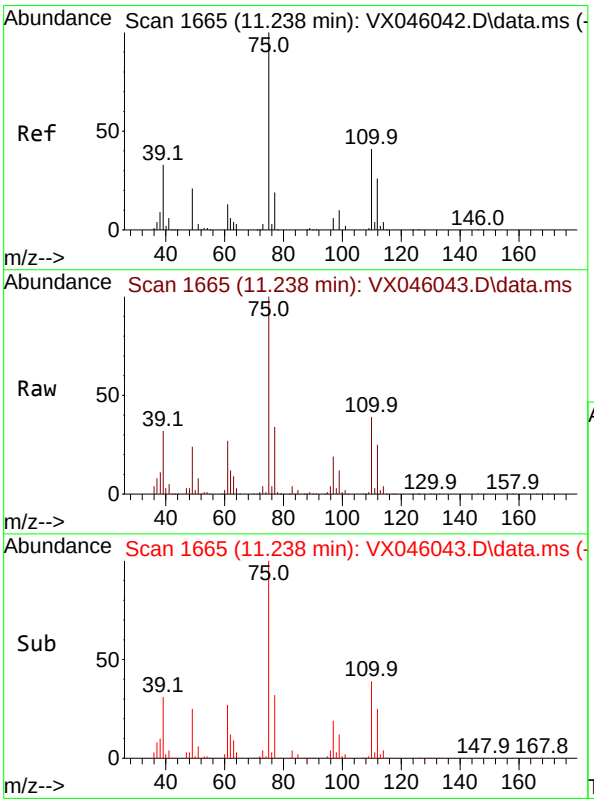

#75
1,1,2,2-Tetrachloroethane
Concen: 66.207 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 170481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 5.0 | 14.9 |
| 85 | 64.9 | 31.9 | 95.7 |

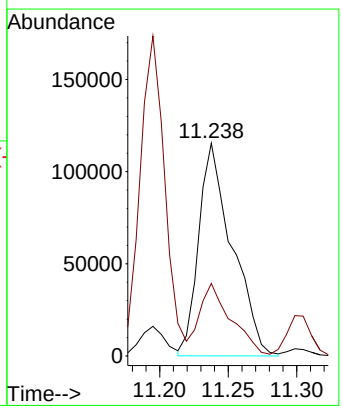


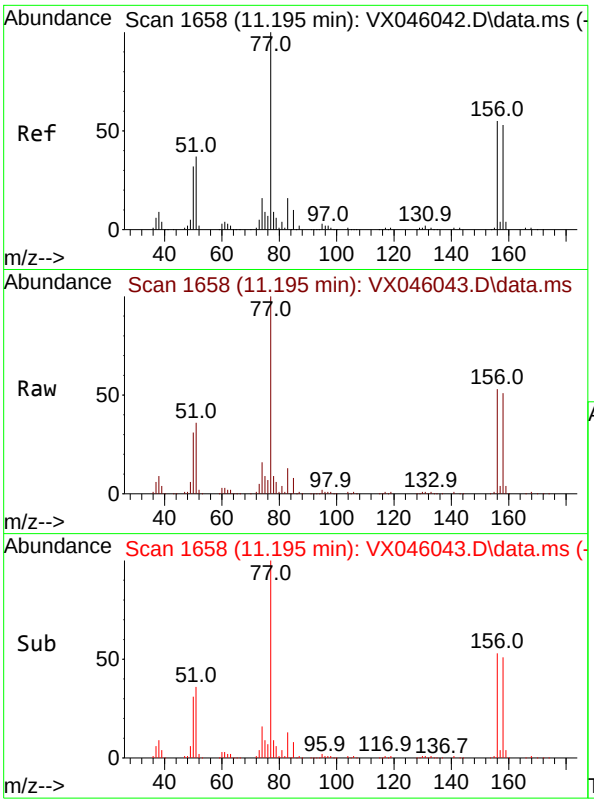




#76
1,2,3-Trichloropropane
Concen: 71.091 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 196706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 20.5 | 61.5 |



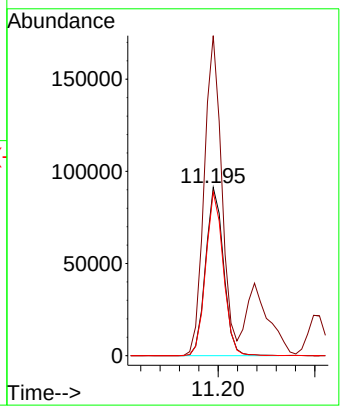


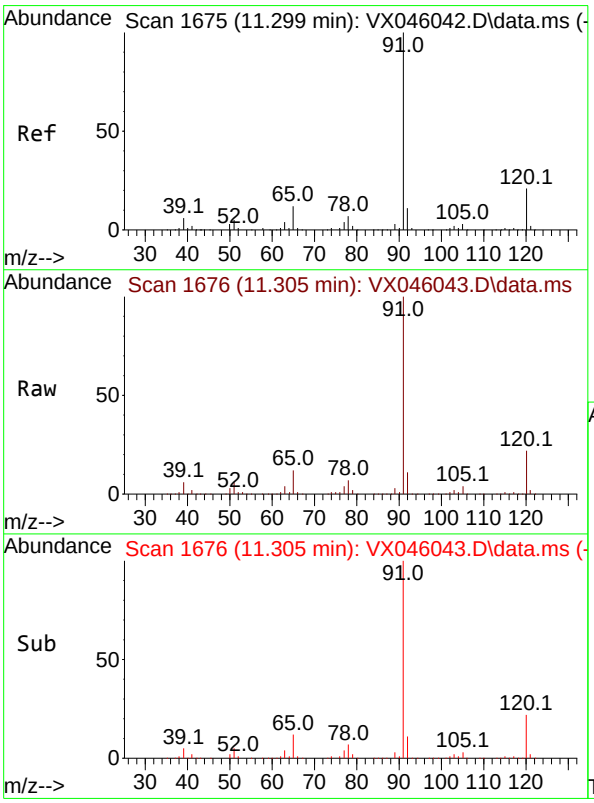

#77
Bromobenzene
Concen: 69.959 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:156 Resp: 117151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 187.4 | 92.8 | 278.3 |
| 158 | 96.1 | 48.8 | 146.3 |

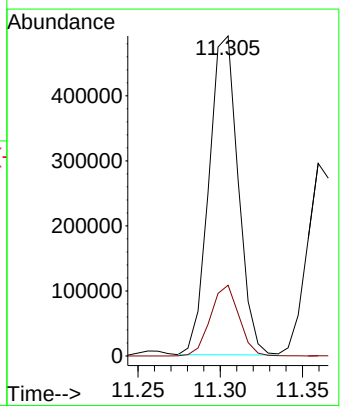


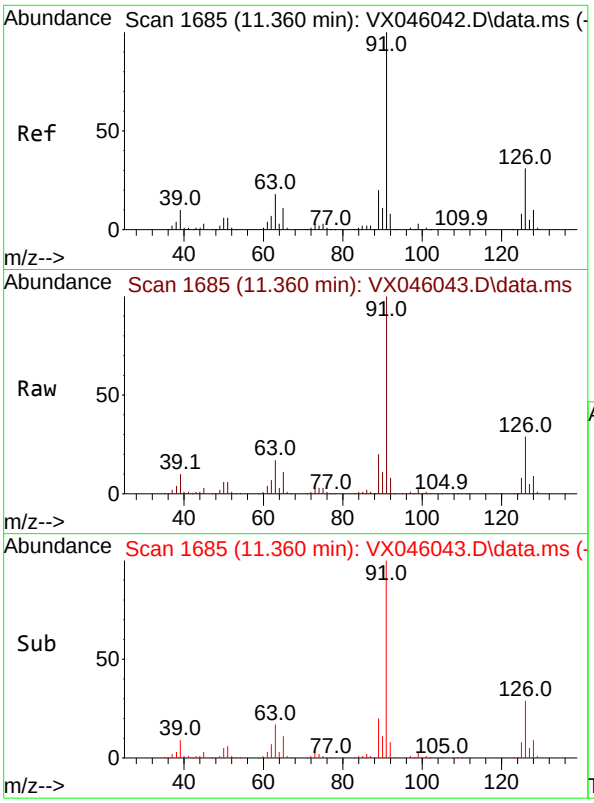




#78
n-propylbenzene
Concen: 74.974 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 608332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.7 | 10.8 | 32.4 |



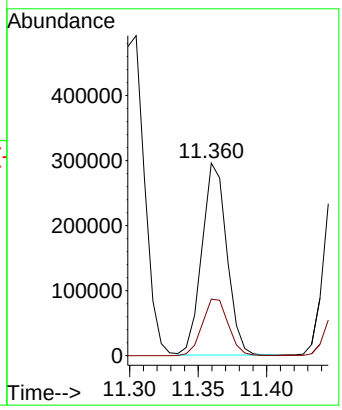


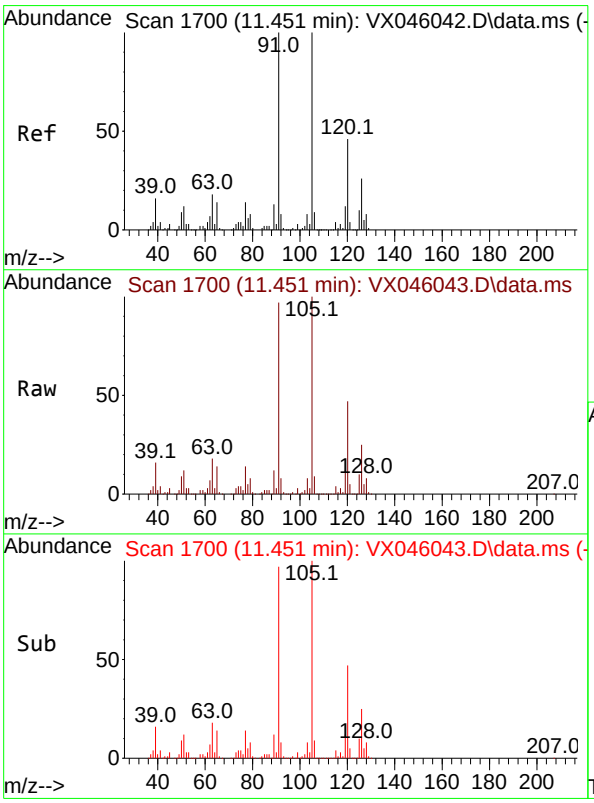

#79
2-Chlorotoluene
Concen: 68.100 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 372392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.9 | 15.6 | 46.7 |

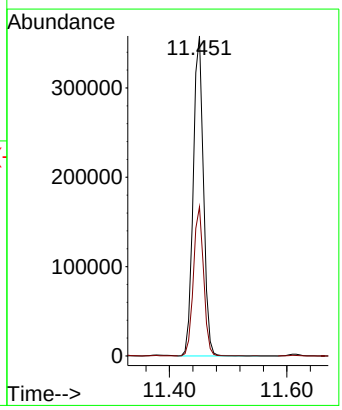


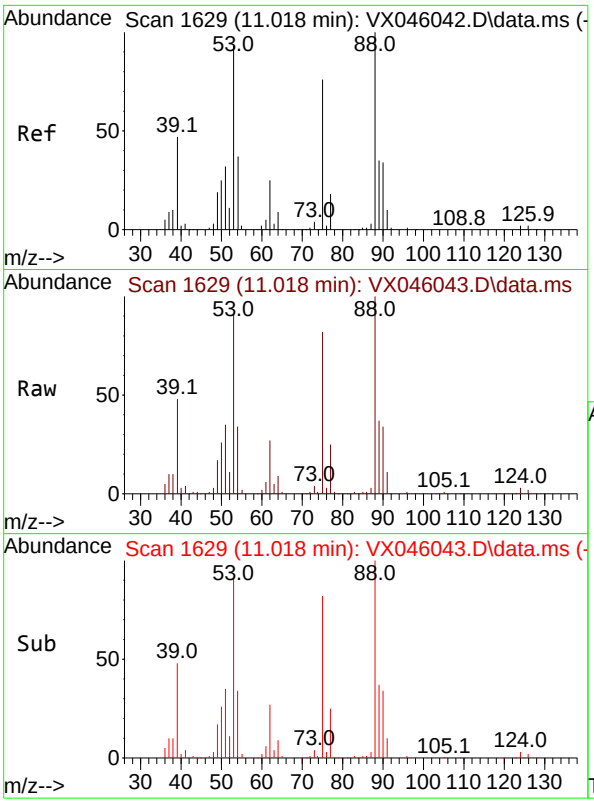




#80
1,3,5-Trimethylbenzene
Concen: 71.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 432096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.3 | 23.1 | 69.2 |



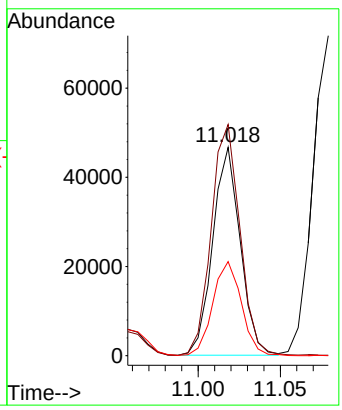


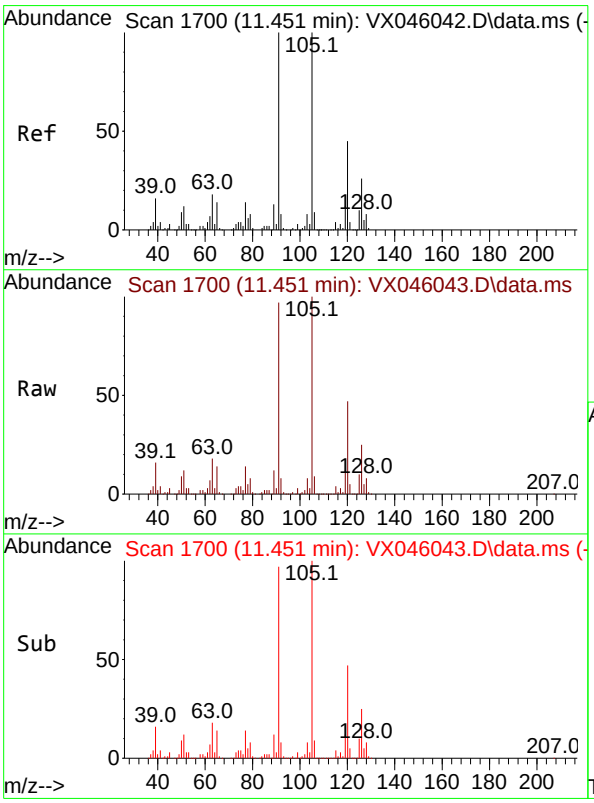

#81
trans-1,4-Dichloro-2-butene
Concen: 81.820 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 54398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 115.8 | 100.5 | 150.7 |
| 89 | 47.0 | 37.0 | 55.6 |

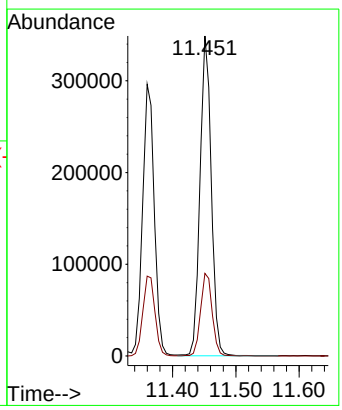


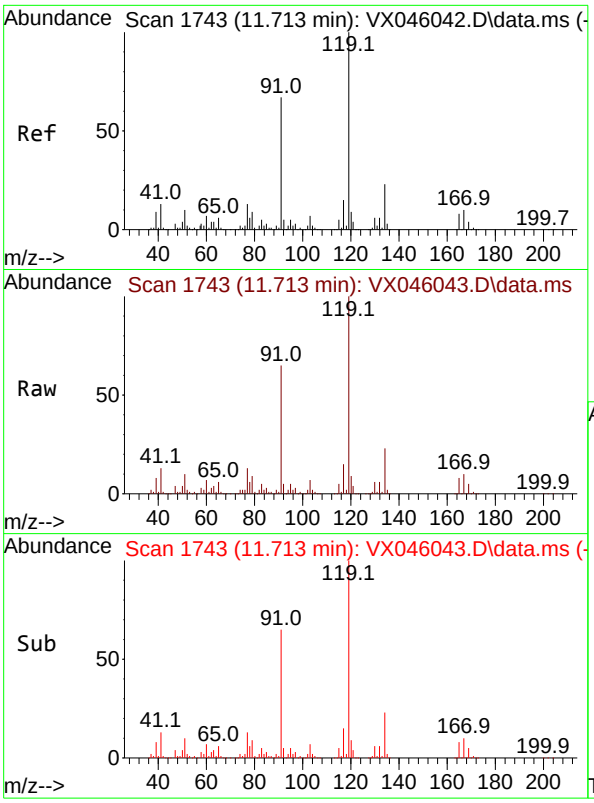




#82
4-Chlorotoluene
Concen: 71.890 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 432053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.5 | 13.3 | 39.8 |



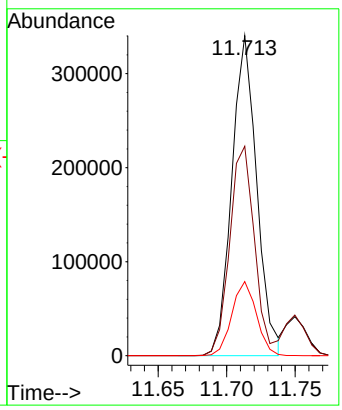


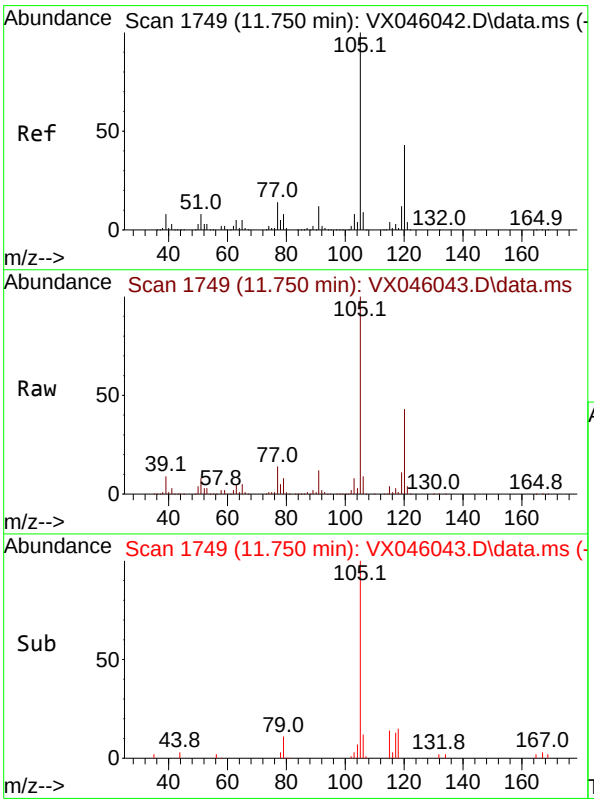

#83
tert-Butylbenzene
Concen: 73.197 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:119 Resp: 432011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.4 | 32.9 | 98.7 |
| 134 | 22.8 | 11.4 | 34.1 |

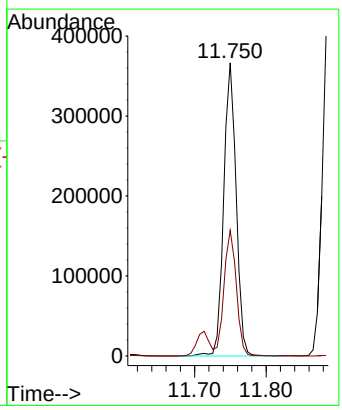


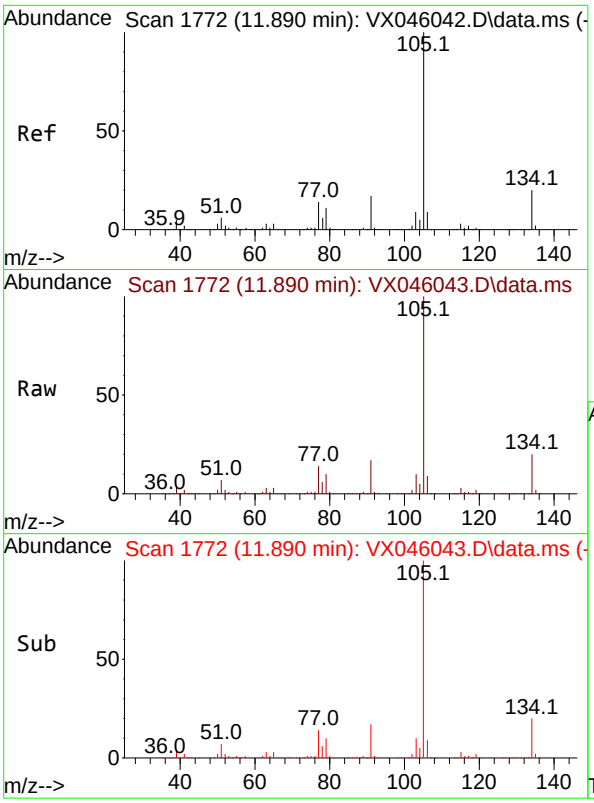




#84
1,2,4-Trimethylbenzene
Concen: 73.758 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 442728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.4 | 21.2 | 63.6 |



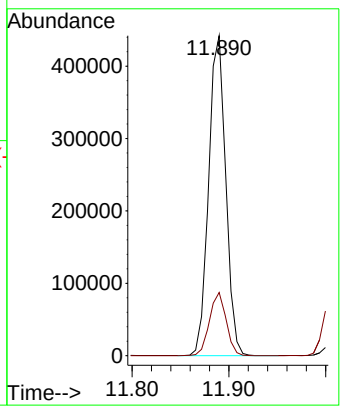


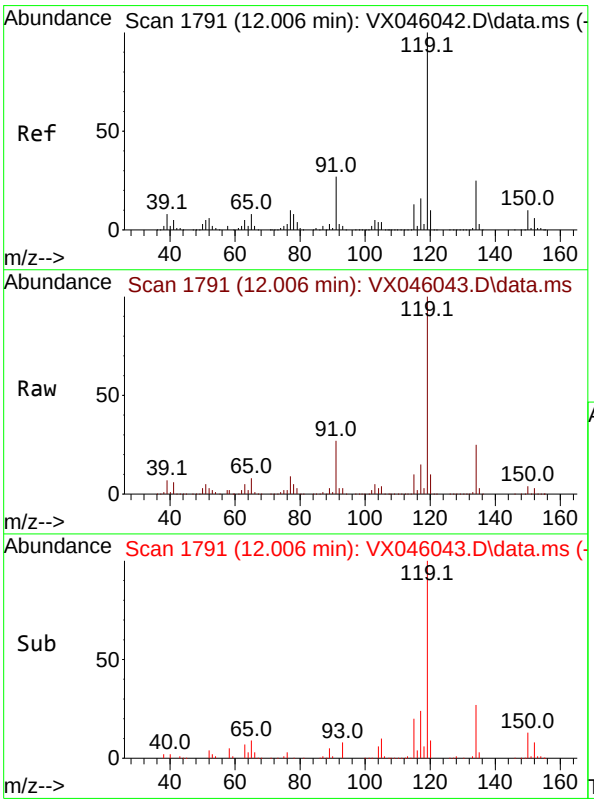

#85
sec-Butylbenzene
Concen: 74.188 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 543597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.7 | 29.1 |

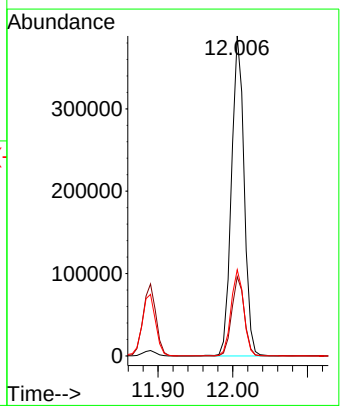


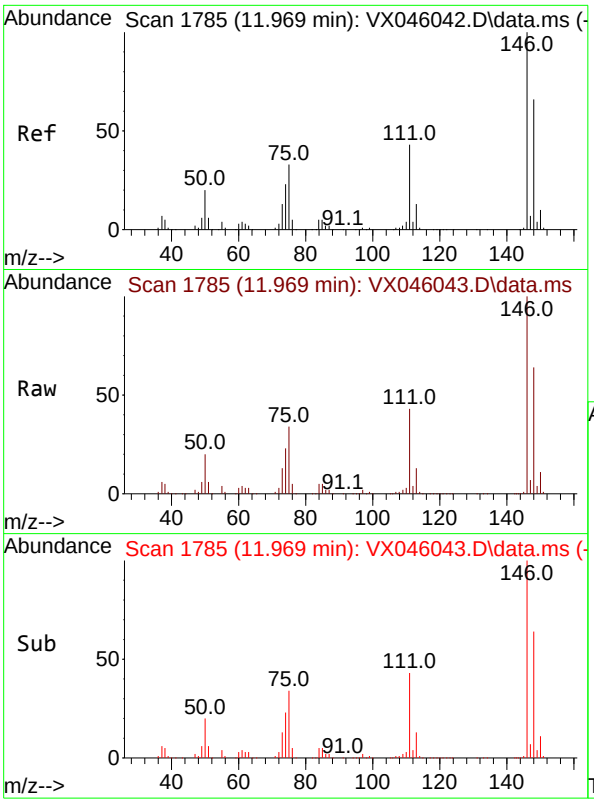




#86
p-Isopropyltoluene
Concen: 77.393 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:119 Resp: 457898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.6 | 12.5 | 37.5 |
| 91 | 26.8 | 13.8 | 41.4 |



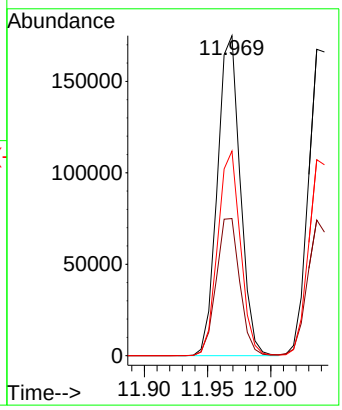


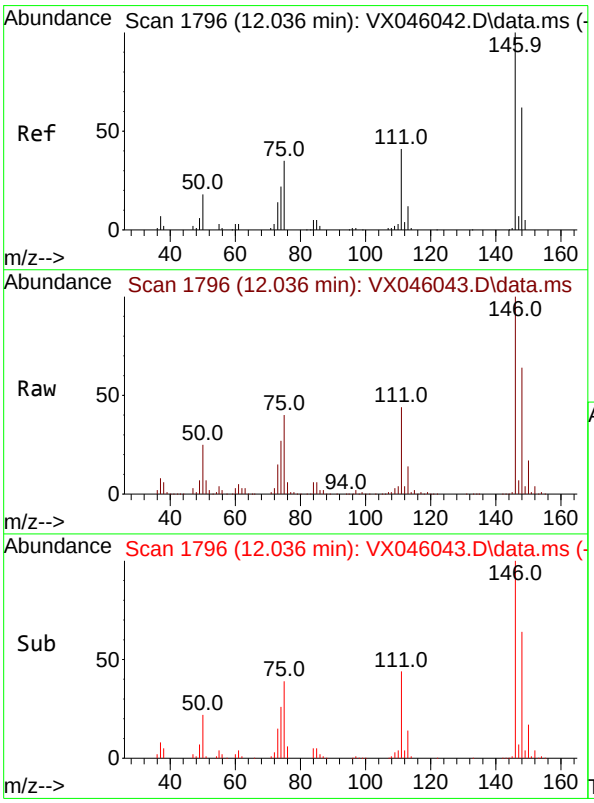

#87
1,3-Dichlorobenzene
Concen: 70.449 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 219753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 22.1 | 66.3 |
| 148 | 63.5 | 32.1 | 96.5 |

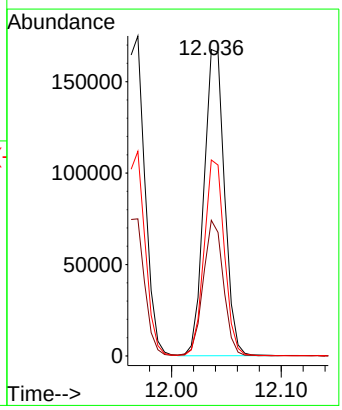


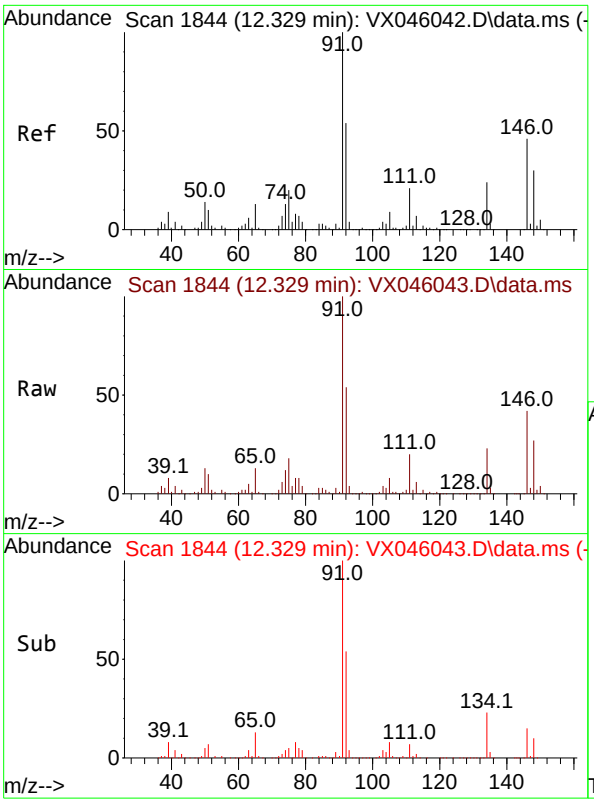




#88
1,4-Dichlorobenzene
Concen: 71.190 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 217613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.3 | 63.9 |
| 148 | 63.2 | 31.9 | 95.5 |



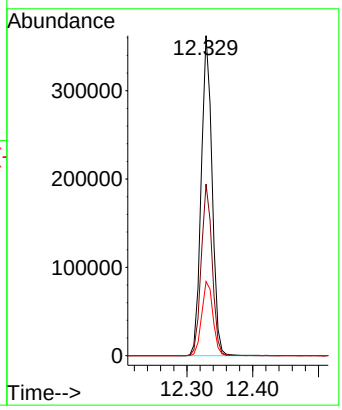


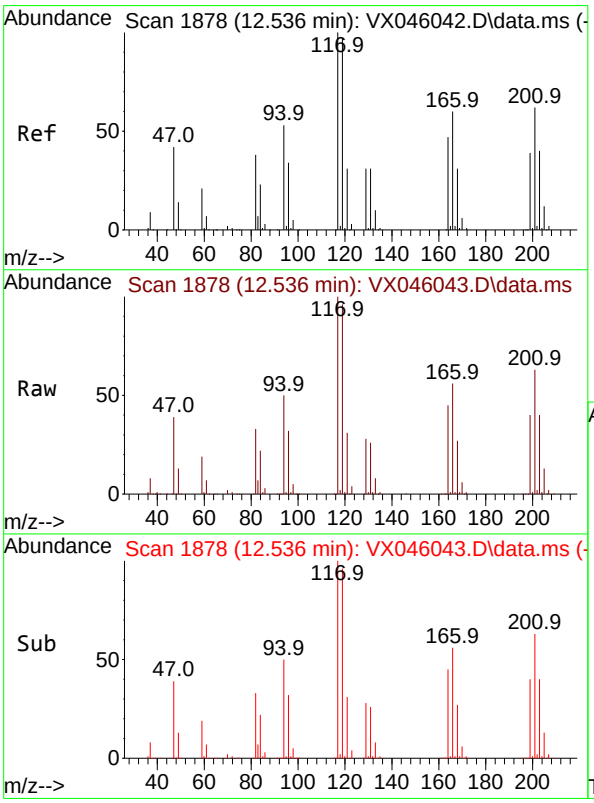

#89
n-Butylbenzene
Concen: 80.996 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 416602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.0 | 26.9 | 80.7 |
| 134 | 24.0 | 11.8 | 35.3 |

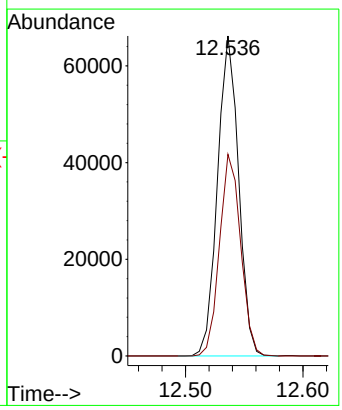


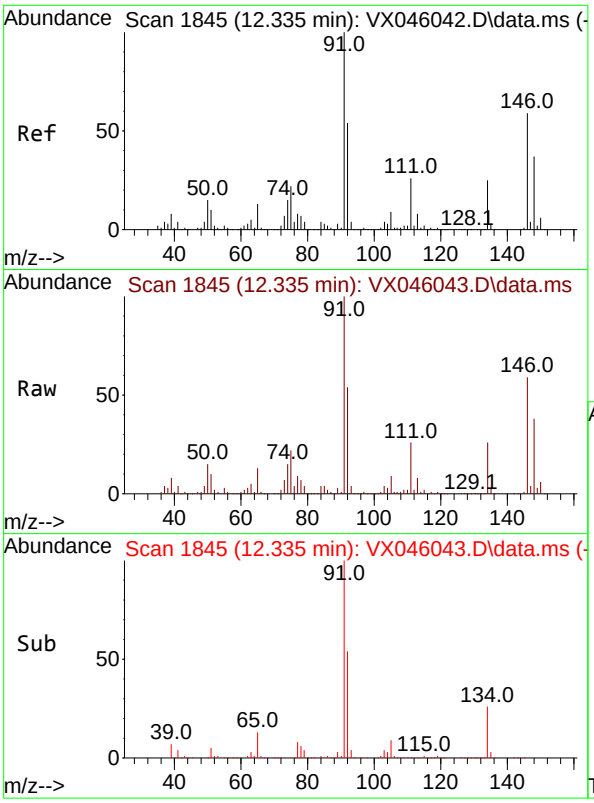




#90
Hexachloroethane
Concen: 74.978 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 82528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.3 | 31.6 | 94.7 |



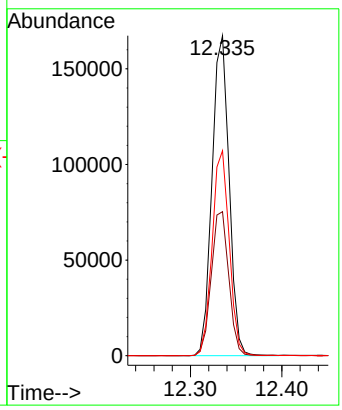


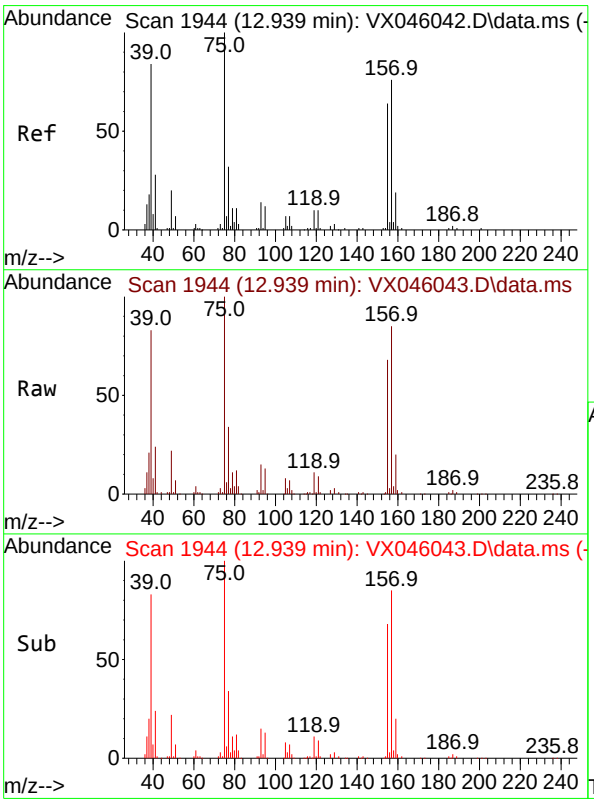

#91
1,2-Dichlorobenzene
Concen: 71.367 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 216834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.2 | 22.4 | 67.3 |
| 148 | 64.0 | 31.6 | 94.8 |

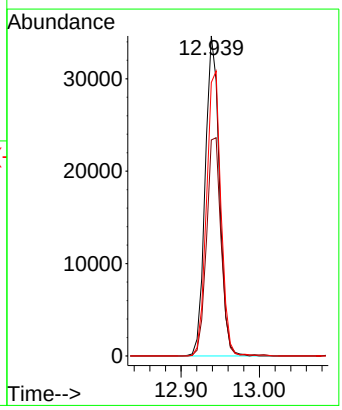


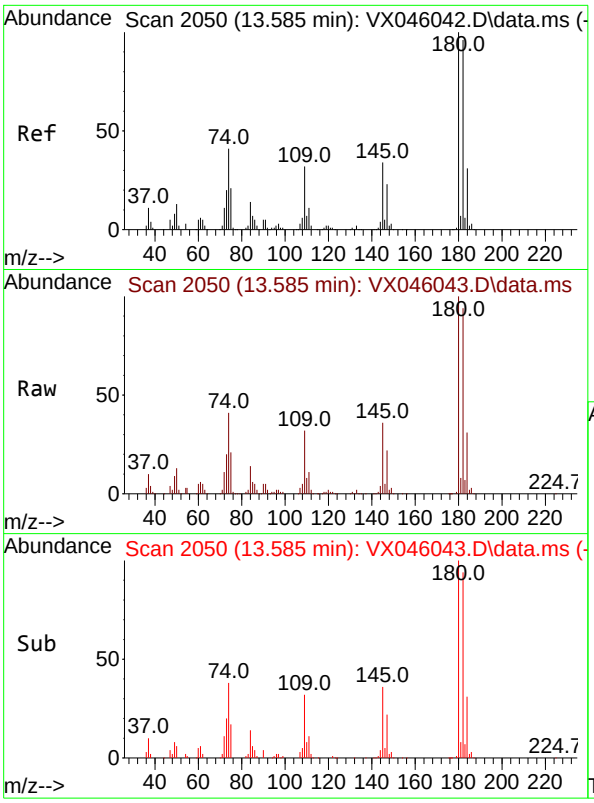




#92
1,2-Dibromo-3-Chloropropane
Concen: 74.512 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 43673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 69.4 | 34.9 | 104.8 |
| 157 | 90.1 | 43.8 | 131.4 |



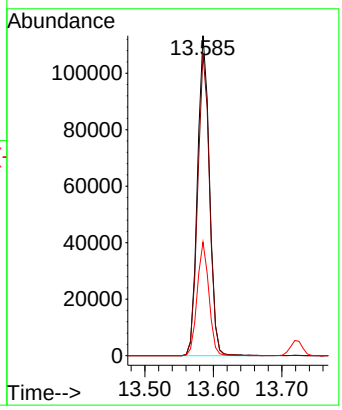


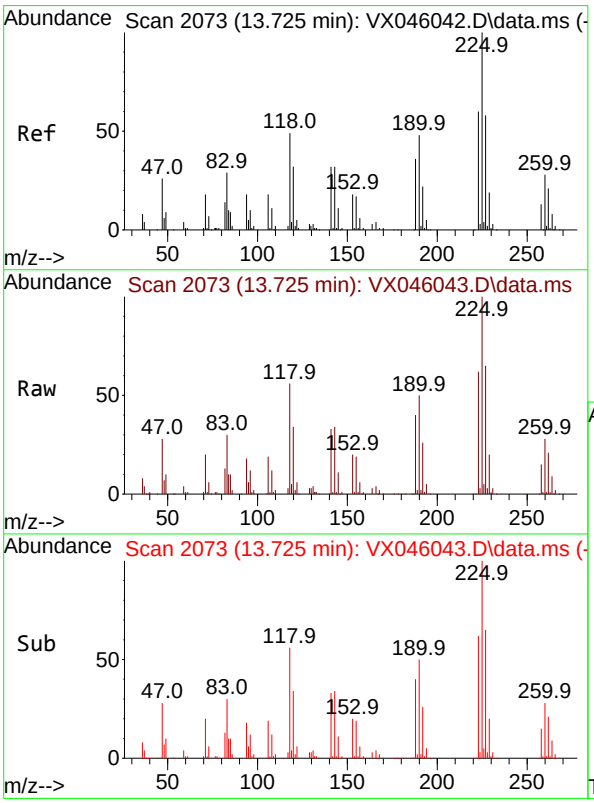

#93
1,2,4-Trichlorobenzene
Concen: 82.605 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:180 Resp: 137430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 47.9 | 143.8 |
| 145 | 34.6 | 17.1 | 51.2 |

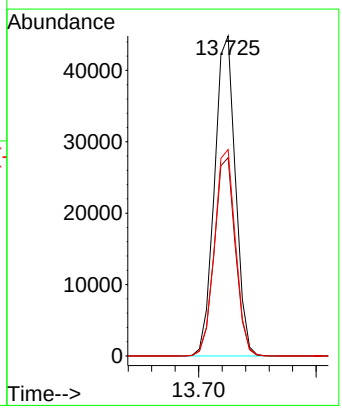


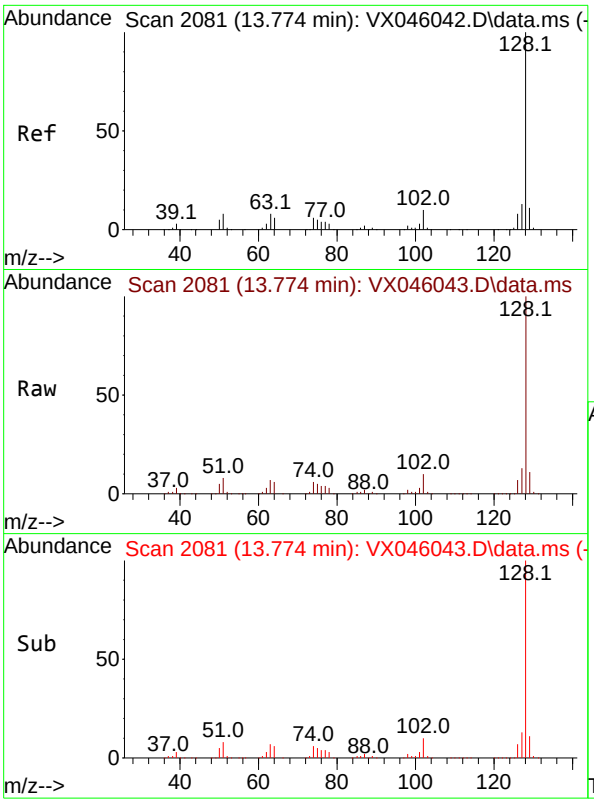




#94
Hexachlorobutadiene
Concen: 71.314 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:225 Resp: 55494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 30.8 | 92.4 |
| 227 | 64.9 | 30.9 | 92.7 |



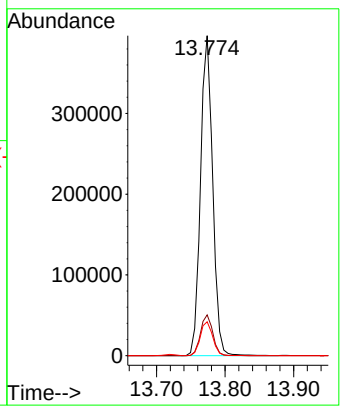


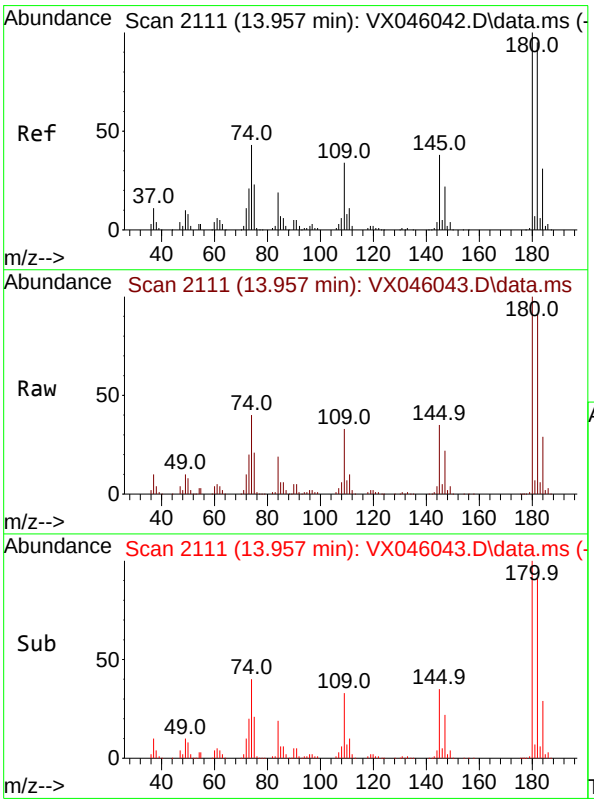

#95
Naphthalene
Concen: 80.842 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:128 Resp: 489778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.4 | 15.6 |
| 129 | 10.9 | 8.6 | 13.0 |

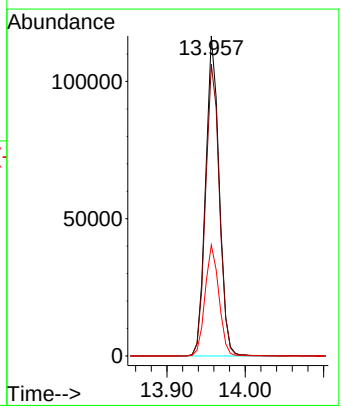



#96
1,2,3-Trichlorobenzene
Concen: 79.981 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:180 Resp: 139525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 47.8 | 143.3 |
| 145 | 35.3 | 18.1 | 54.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 82963 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 144975 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 128557 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 60345 | 50.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 231952 | 93.983 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 187.960%# | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 160168 | 98.562 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 197.120%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 554390 | 101.252 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 202.500%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 217536 | 109.174 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 218.340%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 217793 | 118.929 | ug/l | 98 |
| 3) Chloromethane | 1.307 | 50 | 196843 | 109.161 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 187924 | 118.953 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 83008 | 103.625 | ug/l | 95 |
| 6) Chloroethane | 1.660 | 64 | 78806 | 96.822 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 245108 | 101.851 | ug/l | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 88441 | 111.791 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 161404 | 112.243 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 189843 | 112.441 | ug/l | 100 |
| 11) Tert butyl alcohol | 3.002 | 59 | 181238 | 616.119 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 155451 | 111.039 | ug/l | 99 |
| 13) Acrolein | 2.239 | 56 | 203257 | 594.872 | ug/l | 98 |
| 14) Allyl chloride | 2.654 | 41 | 297776 | 112.561 | ug/l | 98 |
| 15) Acrylonitrile | 3.069 | 53 | 484854 | 550.973 | ug/l | 98 |
| 16) Acetone | 2.392 | 43 | 460820 | 545.754 | ug/l | 98 |
| 17) Carbon Disulfide | 2.502 | 76 | 397353 | 122.499 | ug/l | 100 |
| 18) Methyl Acetate | 2.709 | 43 | 217885 | 108.099 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 557210 | 114.112 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 172035 | 100.579 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 154694 | 108.241 | ug/l | 96 |
| 22) Diisopropyl ether | 3.764 | 45 | 577610 | 116.858 | ug/l | 90 |
| 23) Vinyl Acetate | 3.721 | 43 | 2655751 | 608.005 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 320083 | 110.182 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 708463 | 581.292 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 258698 | 117.548 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 187835 | 108.994 | ug/l | 99 |
| 28) Bromochloromethane | 4.898 | 49 | 146923 | 95.108 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 450456 | 569.081 | ug/l | 99 |
| 30) Chloroform | 5.087 | 83 | 323659 | 107.208 | ug/l | 95 |
| 31) Cyclohexane | 5.458 | 56 | 286312 | 116.934 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 295702 | 113.572 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 219731 | 116.462 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 274312 | 115.889 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 250916 | 115.760 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 286311 | 121.107 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 642178 | 109.813 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 151424 | 115.139 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 271992 | 112.492 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 447871 | 123.780 | ug/l | | 100 |
| 44) Trichloroethene | 7.117 | 130 | 157641 | 114.032 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 164505 | 113.217 | ug/l | | 99 |
| 46) Dibromomethane | 7.574 | 93 | 125846 | 109.869 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.818 | 83 | 258326 | 116.365 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.690 | 41 | 231040 | 124.356 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 82800 | 2241.695 | ug/l | | 98 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 1371275 | 577.831 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 393323 | 113.430 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 257233 | 138.001 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 271054 | 124.658 | ug/l | | 95 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 154932 | 110.551 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 277921 | 127.968 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 272814 | 109.813 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 680608 | 697.344 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 1028597 | 571.094 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 187497 | 122.915 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 165634 | 115.087 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.269 | 164 | 132488 | 100.918 | ug/l | | 96 |
| 65) Chlorobenzene | 10.080 | 112 | 429656 | 108.615 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 152173 | 115.333 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 785121 | 116.421 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 570913 | 234.349 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 279906 | 113.990 | ug/l | | 99 |
| 70) Styrene | 10.653 | 104 | 474254 | 120.694 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 125986 | 127.128 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 752337 | 114.312 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 396877 | 120.944 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 243532 | 104.018 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 284571 | 113.113 | ug/l | | 85 |
| 77) Bromobenzene | 11.195 | 156 | 167934 | 110.297 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 881218 | 119.448 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 534560 | 107.514 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 616477 | 112.825 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 81372 | 134.609 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 611736 | 111.948 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 617473 | 115.065 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 623456 | 114.236 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 786293 | 118.023 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 651531 | 121.113 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 313100 | 110.394 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 311752 | 112.167 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 605783 | 129.533 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 123188 | 123.091 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 308039 | 111.506 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 64438 | 120.915 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 203255 | 134.366 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 80558 | 113.857 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 721236 | 130.929 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 200379 | 126.331 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

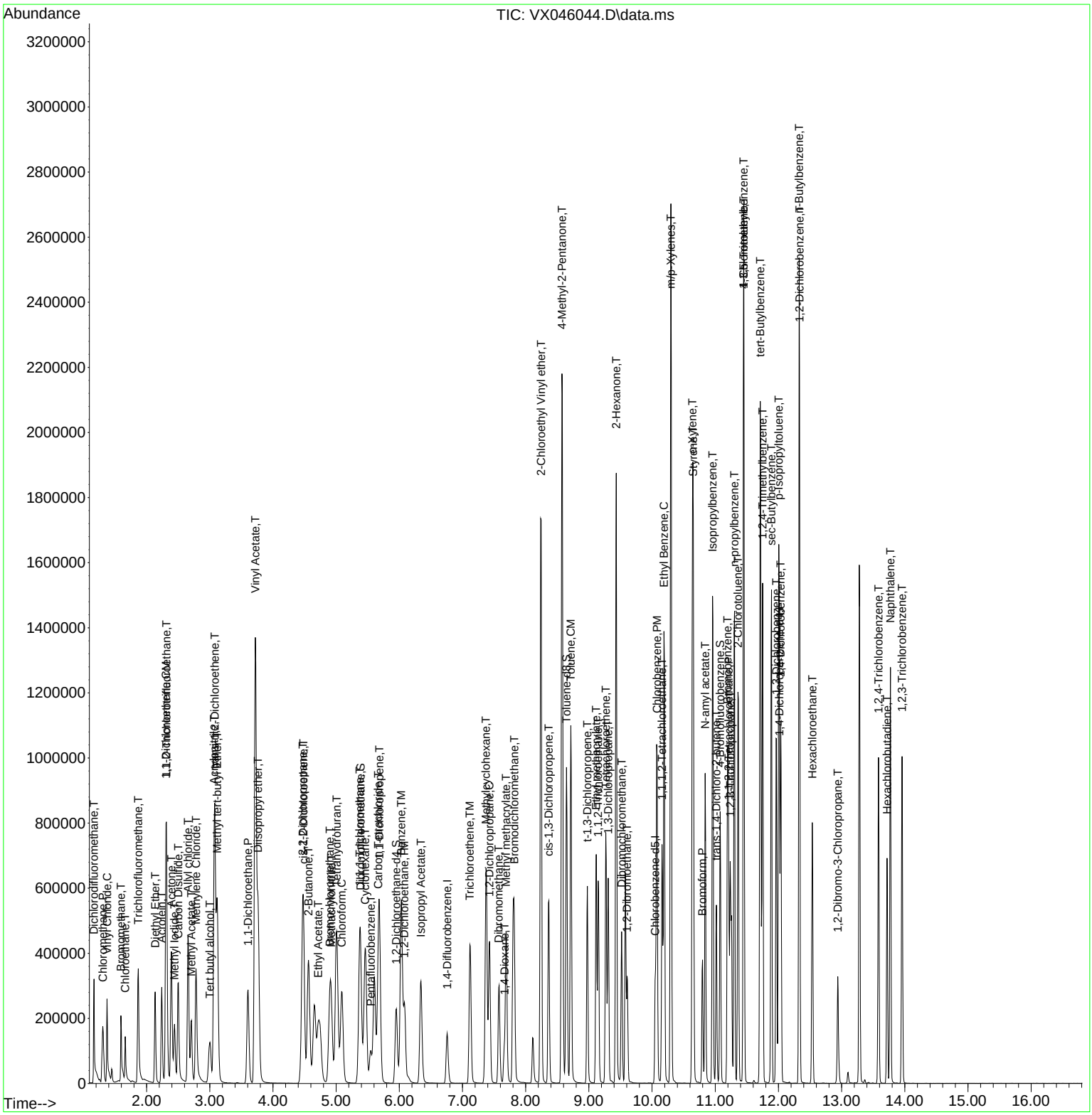
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

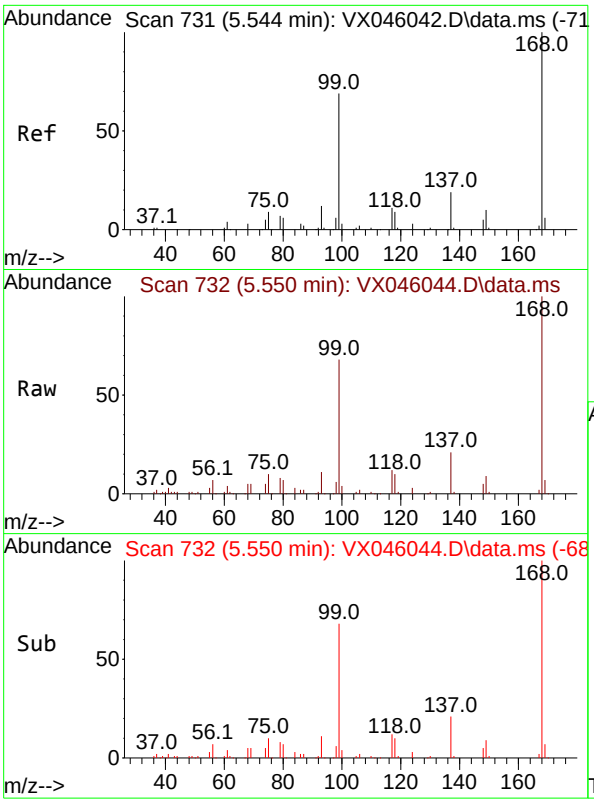
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



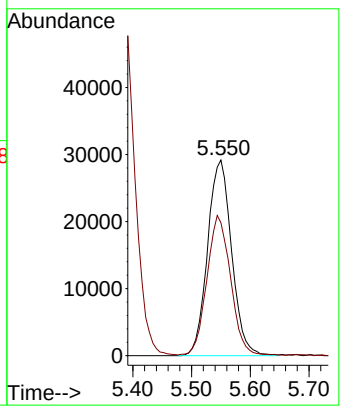


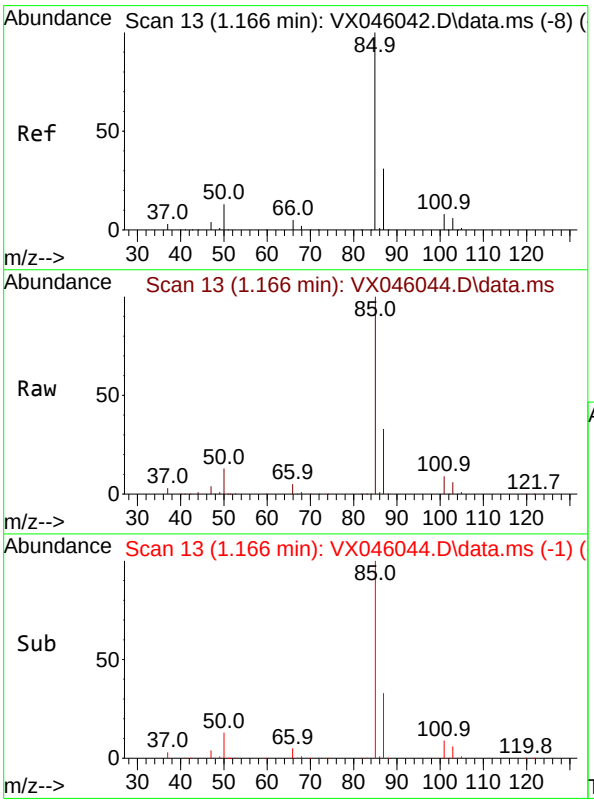

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:168 Resp: 82963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.6 | 54.9 | 82.3 |

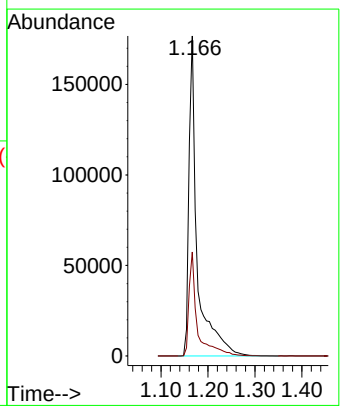


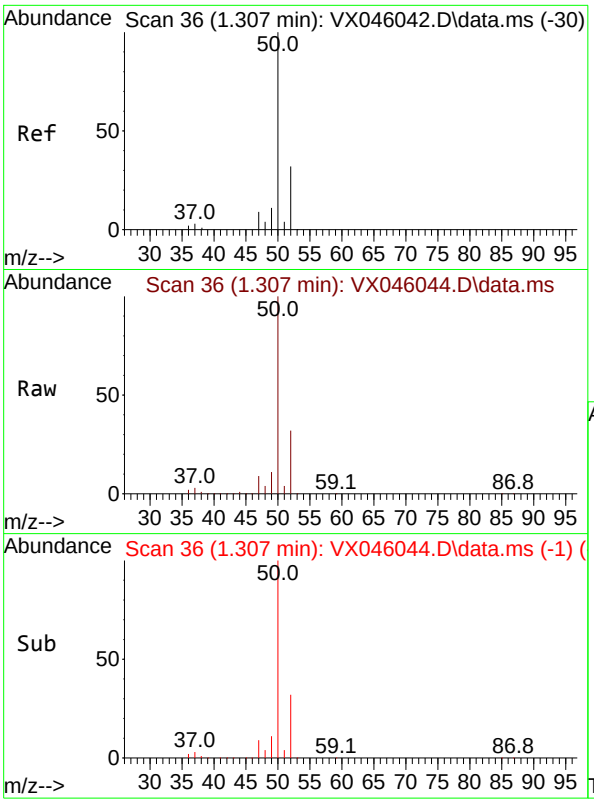




#2
Dichlorodifluoromethane
Concen: 118.929 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 85 Resp: 217793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 15.7 | 47.1 |



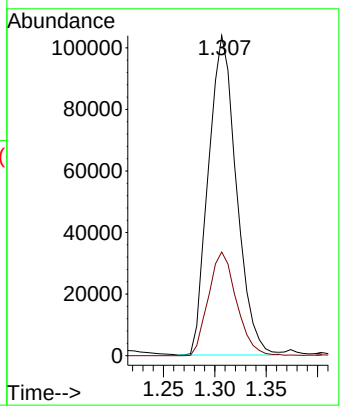


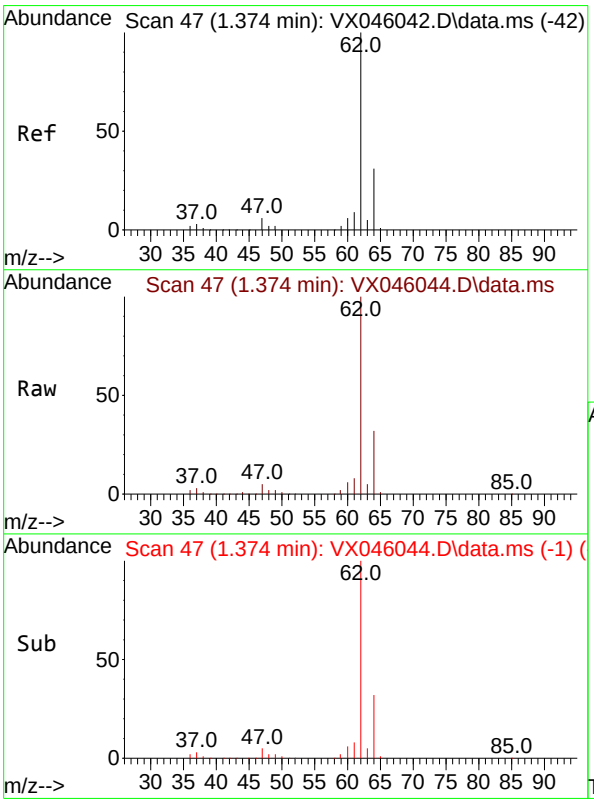

#3
Chloromethane
Concen: 109.161 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 50 Resp: 196843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 25.4 | 38.2 |

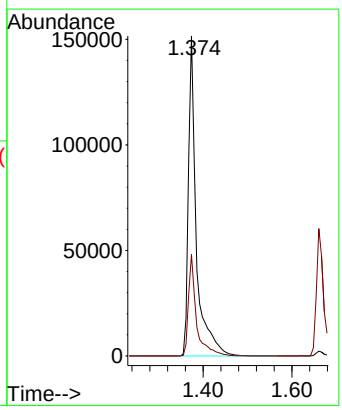


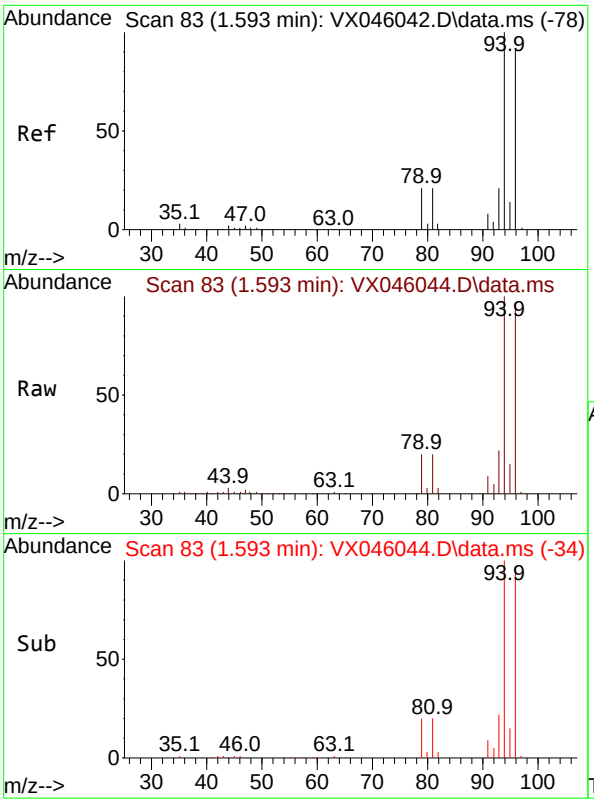




#4
Vinyl Chloride
Concen: 118.953 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 187924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 25.2 | 37.8 |



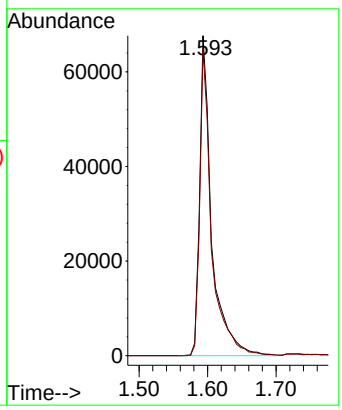


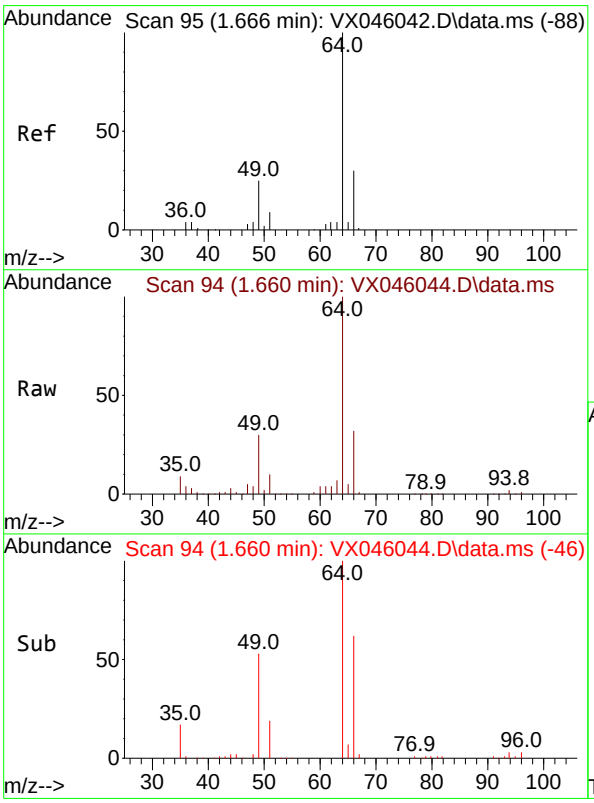

#5
Bromomethane
Concen: 103.625 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 94 Resp: 83008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.8 | 72.8 | 109.2 |

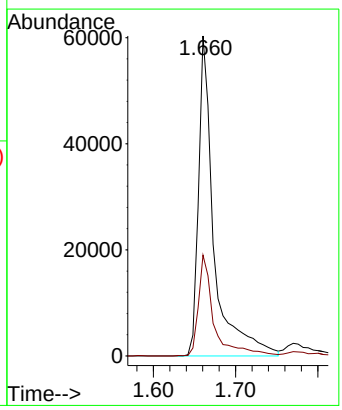


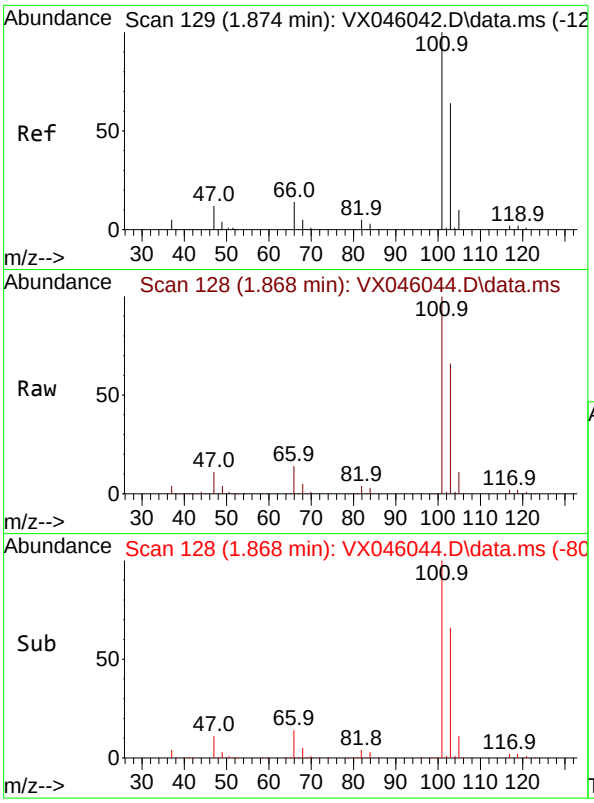




#6
Chloroethane
Concen: 96.822 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 64 Resp: 78806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.3 | 24.3 | 36.5 |



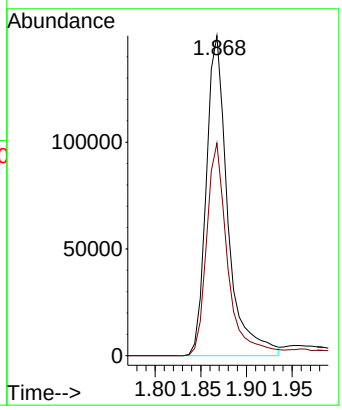


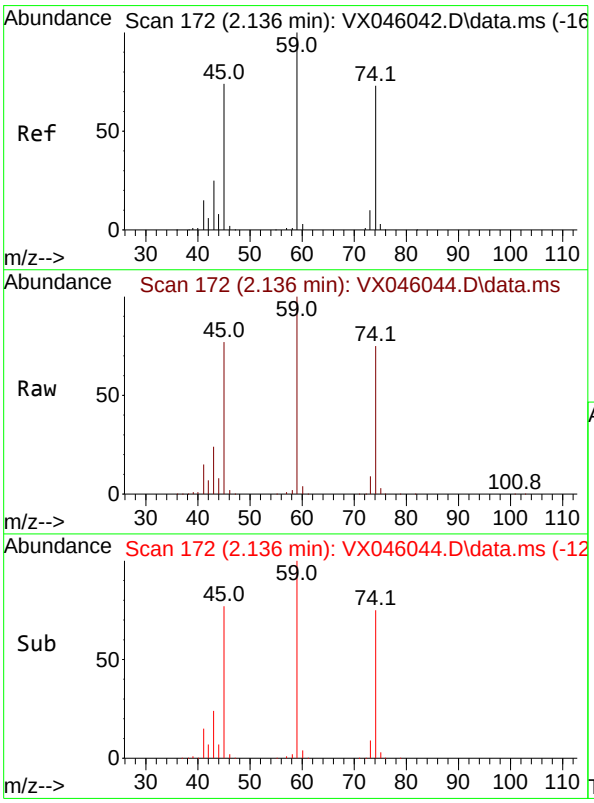

#7
Trichlorofluoromethane
Concen: 101.851 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 245108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.4 | 51.0 | 76.4 |

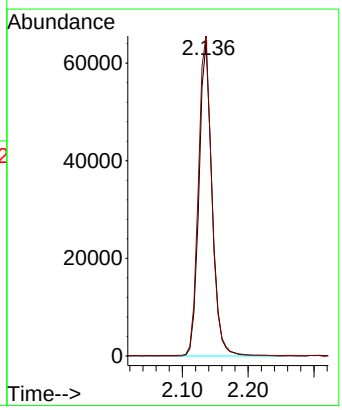


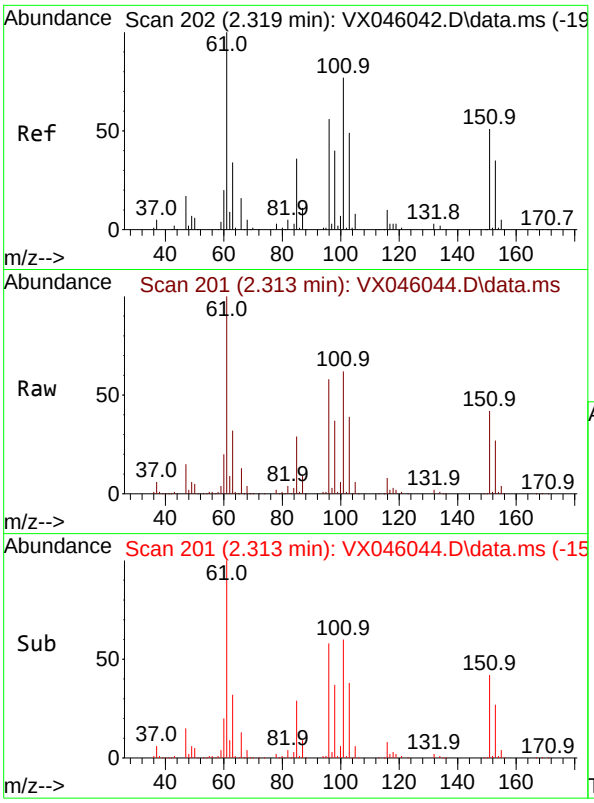




#8
Diethyl Ether
Concen: 111.791 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 74 Resp: 88441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.7 | 54.9 | 164.8 |



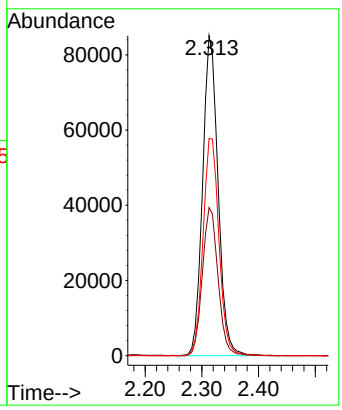


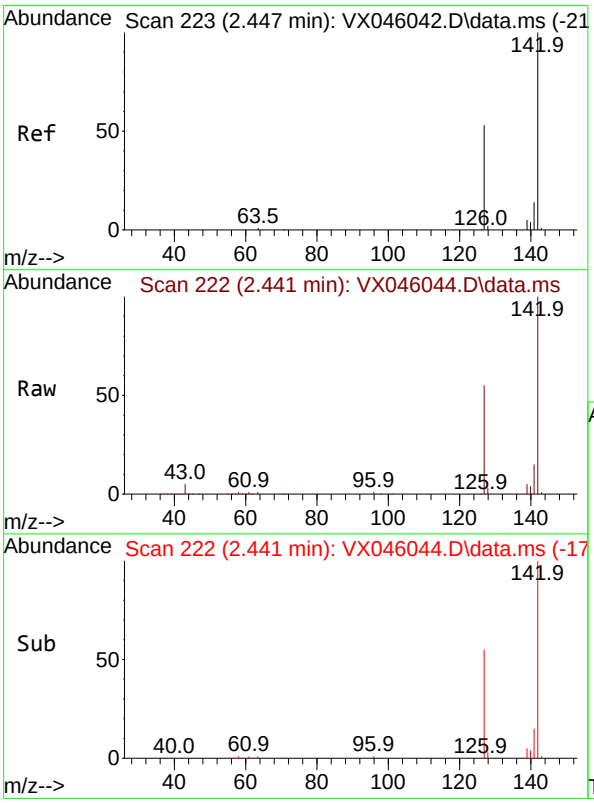

#9
1,1,2-Trichlorotrifluoroethane
Concen: 112.243 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 161404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.8 | 38.6 | 58.0 |
| 151 | 69.8 | 55.2 | 82.8 |

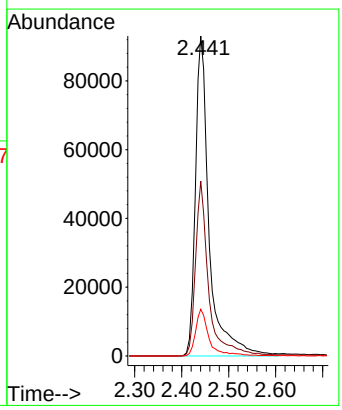


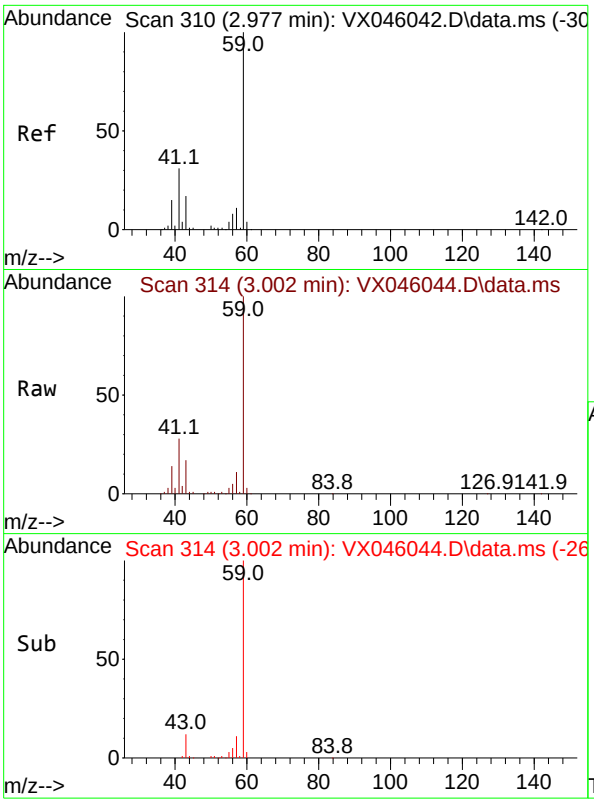




#10
Methyl Iodide
Concen: 112.441 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:142 Resp: 189843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.4 | 41.7 | 62.5 |
| 141 | 14.4 | 11.5 | 17.3 |



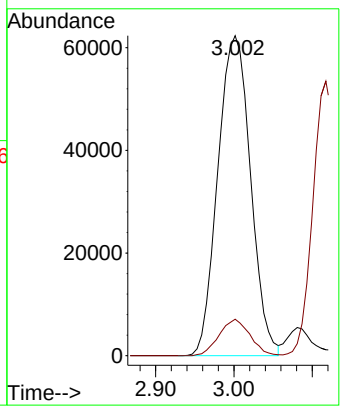


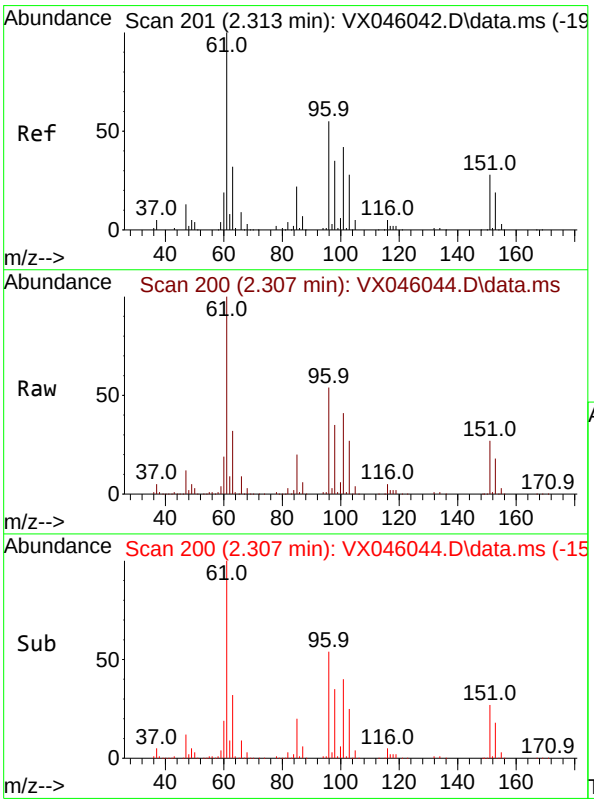

#11
Tert butyl alcohol
Concen: 616.119 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.024 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 59 Resp: 181238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.8 | 8.6 | 12.8 |

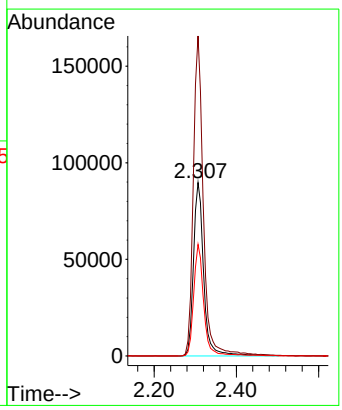


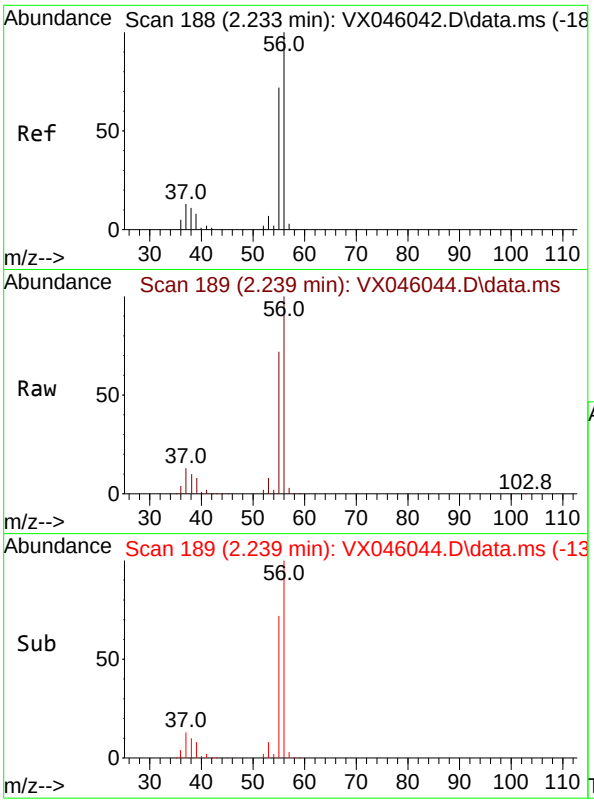




#12
1,1-Dichloroethene
Concen: 111.039 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 96 Resp: 155451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 184.5 | 146.2 | 219.2 |
| 98 | 64.3 | 51.0 | 76.6 |



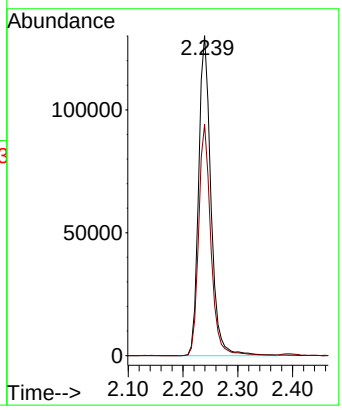


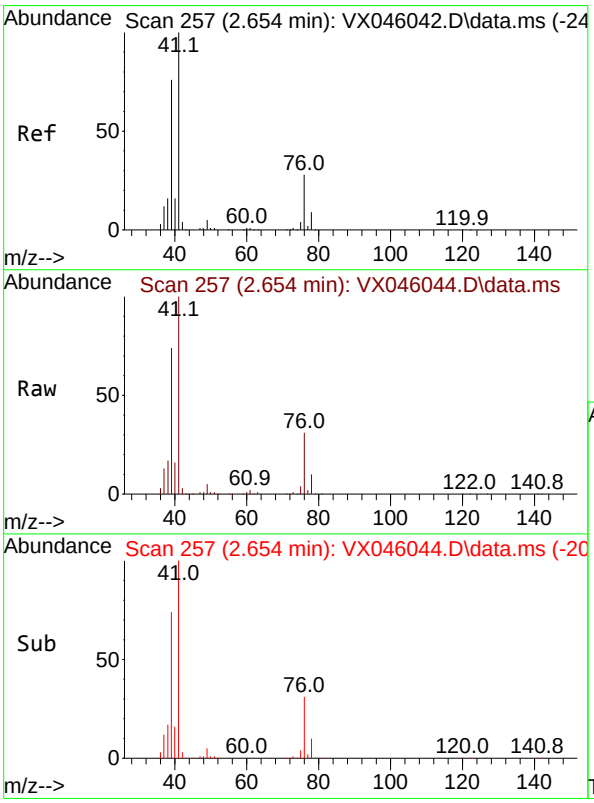

#13
Acrolein
Concen: 594.872 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 203257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.1 | 56.2 | 84.4 |

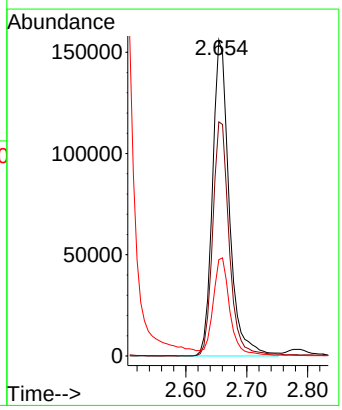


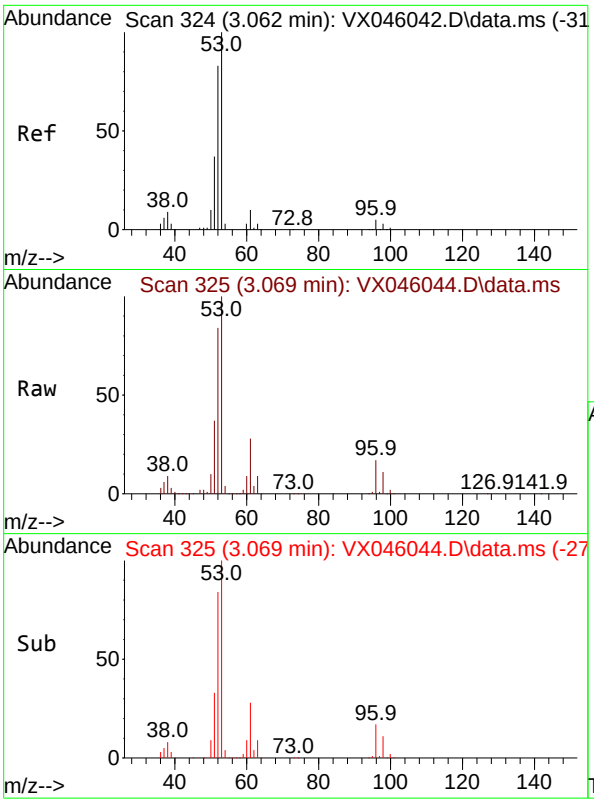




#14
Allyl chloride
Concen: 112.561 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 297776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.7 | 60.6 | 90.8 |
| 76 | 31.8 | 24.9 | 37.3 |



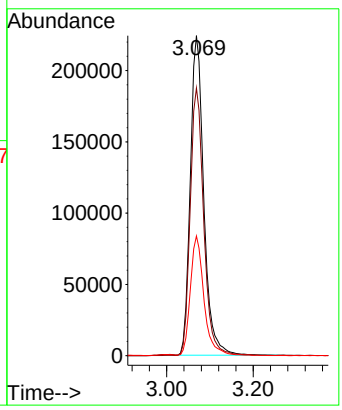


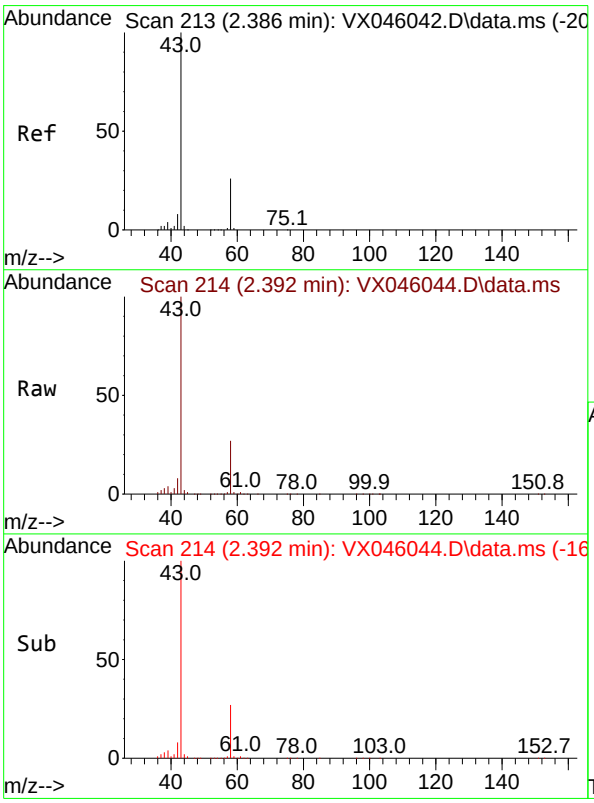

#15
Acrylonitrile
Concen: 550.973 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 53 Resp: 484854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.2 | 65.3 | 97.9 |
| 51 | 37.5 | 29.8 | 44.8 |

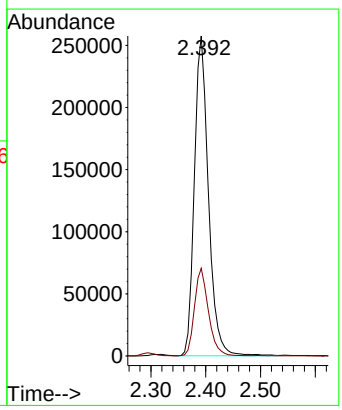


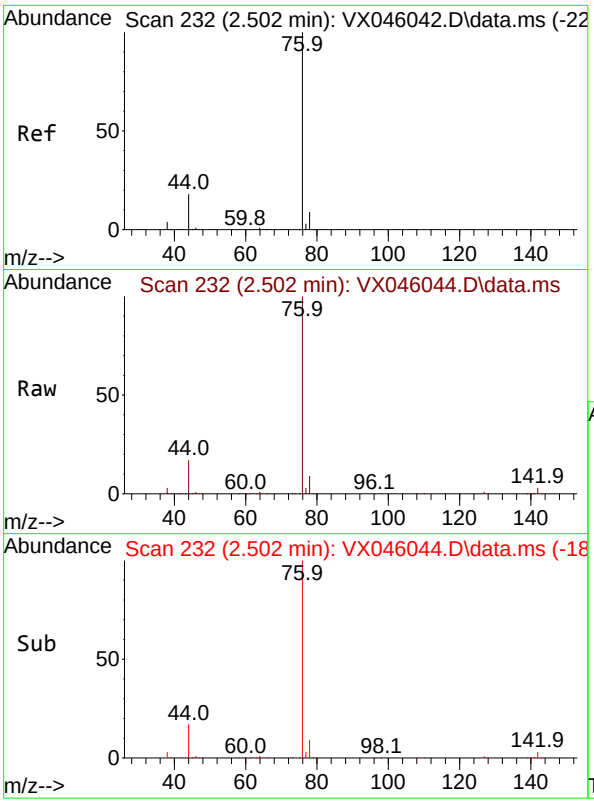




#16
Acetone
Concen: 545.754 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 460820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.3 | 21.2 | 31.8 |



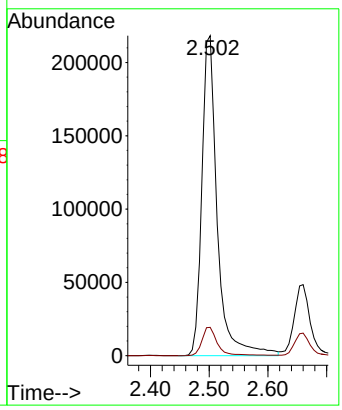


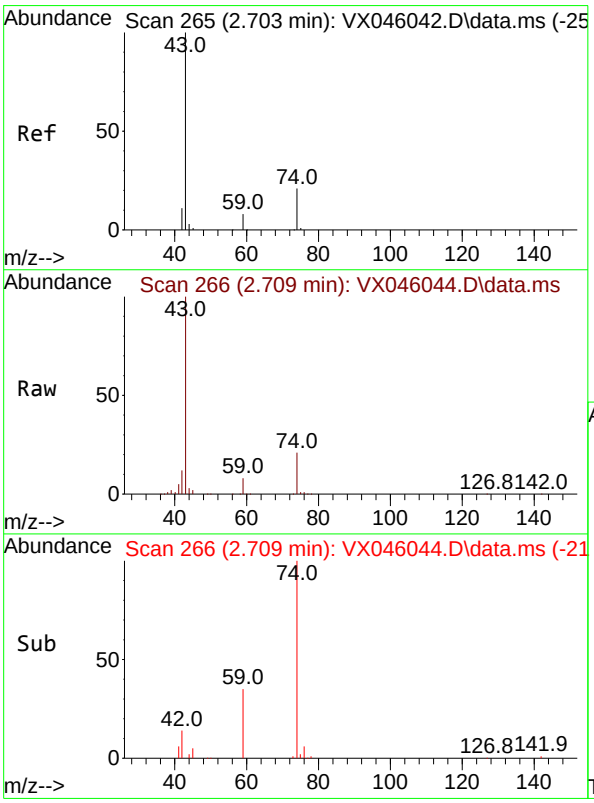

#17
Carbon Disulfide
Concen: 122.499 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 397353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.0 | 10.4 |

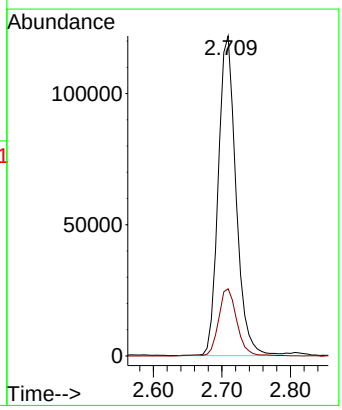


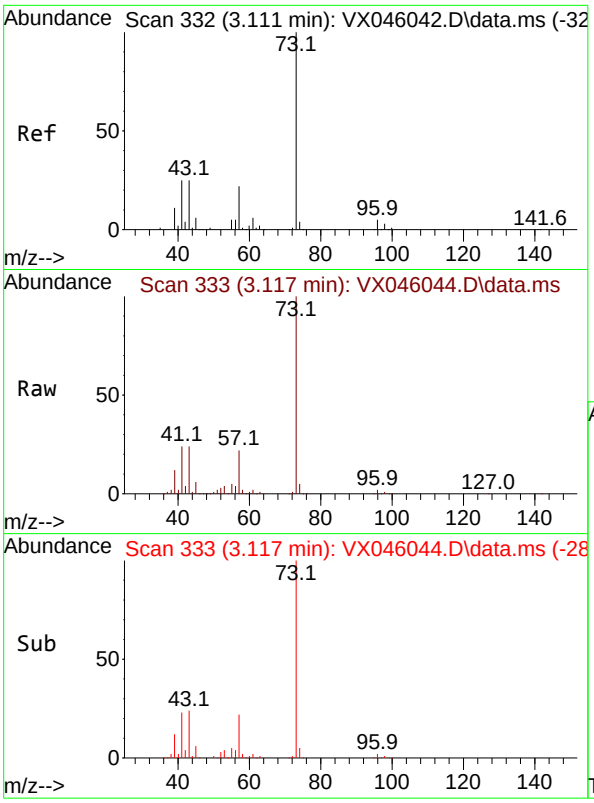




#18
Methyl Acetate
Concen: 108.099 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 217885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.9 | 16.7 | 25.1 |



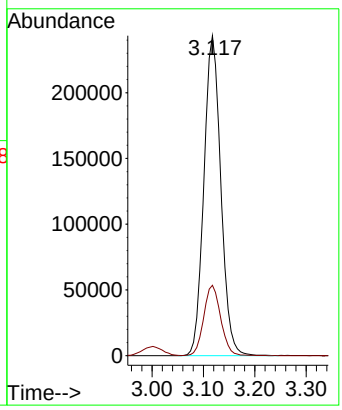


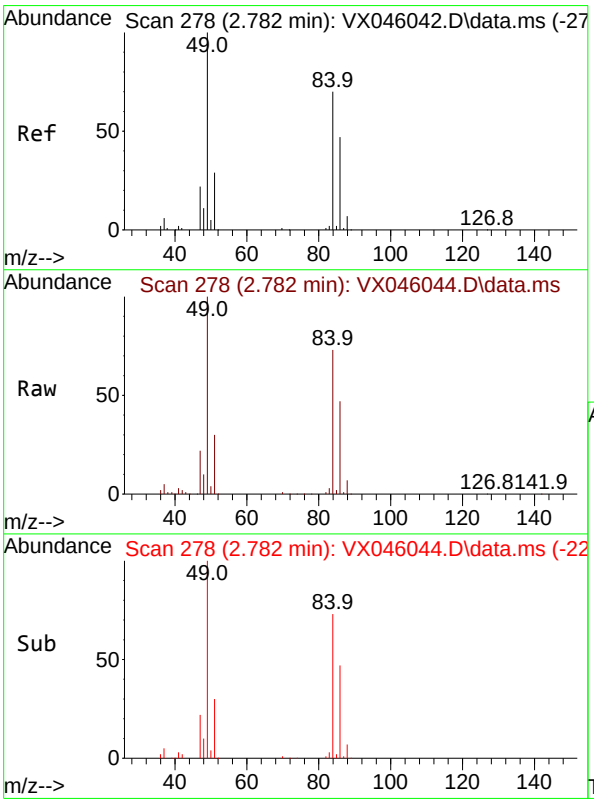

#19
Methyl tert-butyl Ether
Concen: 114.112 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 73 Resp: 557210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.0 | 17.7 | 26.5 |

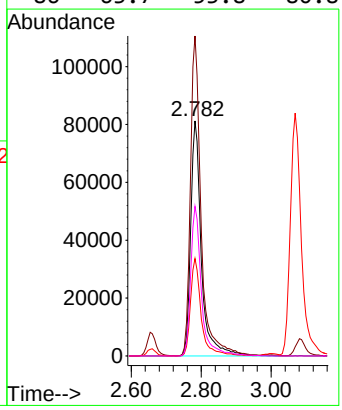


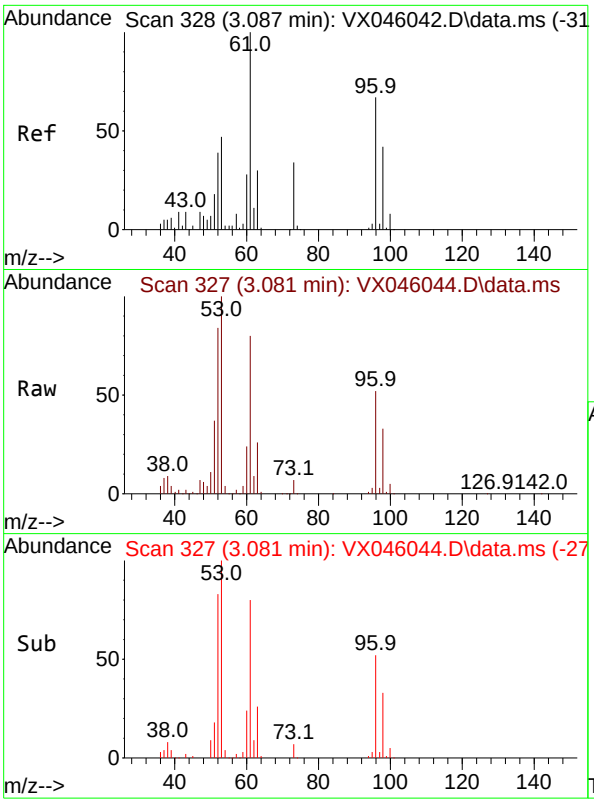




#20
Methylene Chloride
Concen: 100.579 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 84 Resp: 172035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 136.0 | 113.9 | 170.9 |
| 51 | 41.5 | 33.5 | 50.3 |
| 86 | 63.7 | 53.8 | 80.8 |



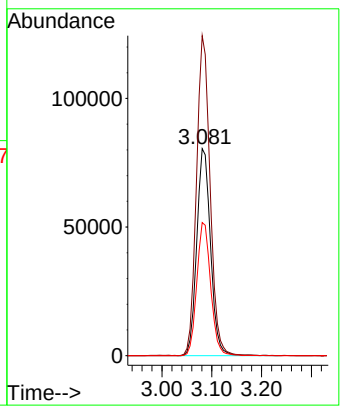


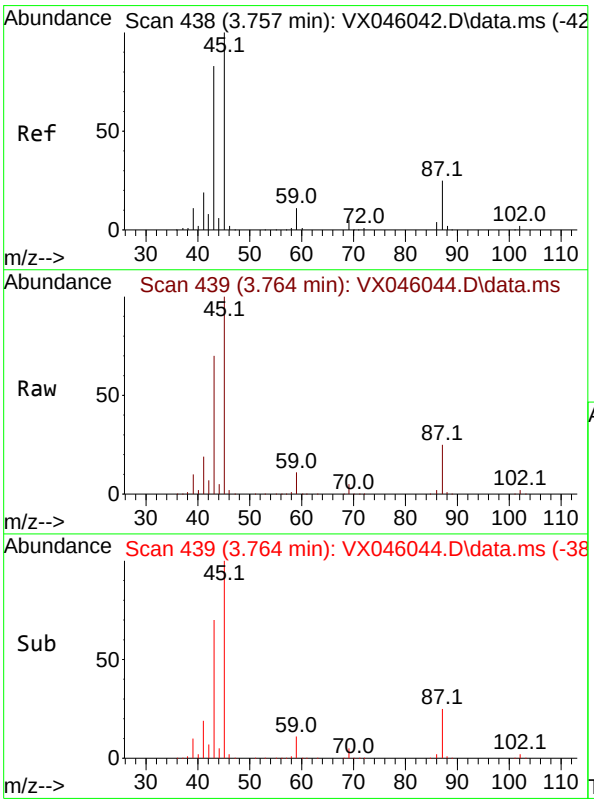

#21
trans-1,2-Dichloroethene
Concen: 108.241 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 154694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.6 | 119.5 | 179.3 |
| 98 | 64.3 | 50.0 | 75.0 |

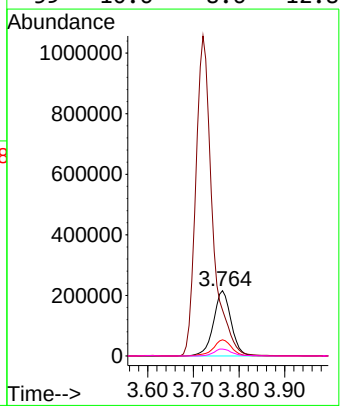


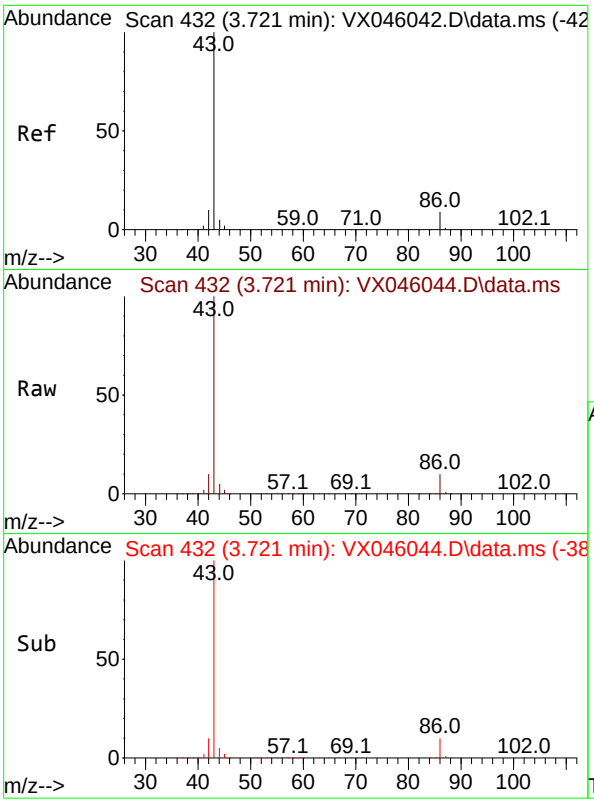




#22
Diisopropyl ether
Concen: 116.858 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 45 Resp: 577610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 70.3 | 66.6 | 100.0 |
| 87 | 24.7 | 19.8 | 29.6 |
| 59 | 10.6 | 8.6 | 12.8 |



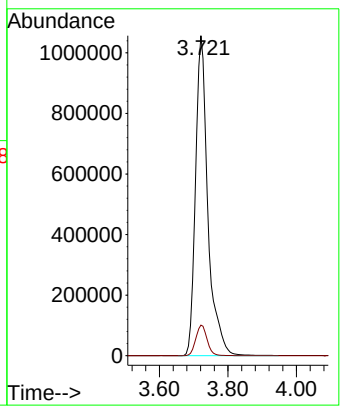


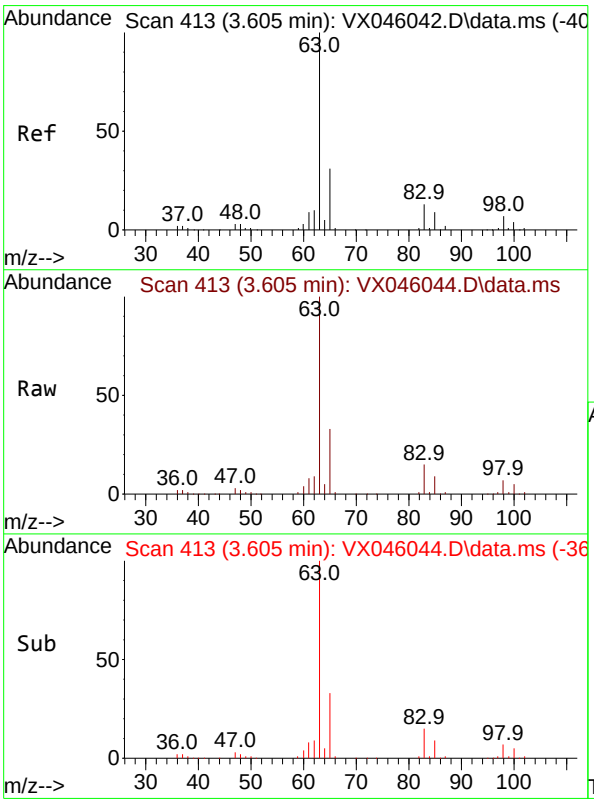

#23
Vinyl Acetate
Concen: 608.005 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 2655751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.6 | 7.5 | 11.3 |

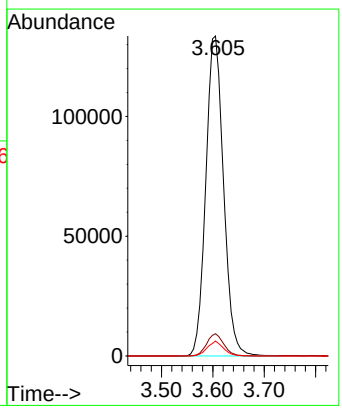


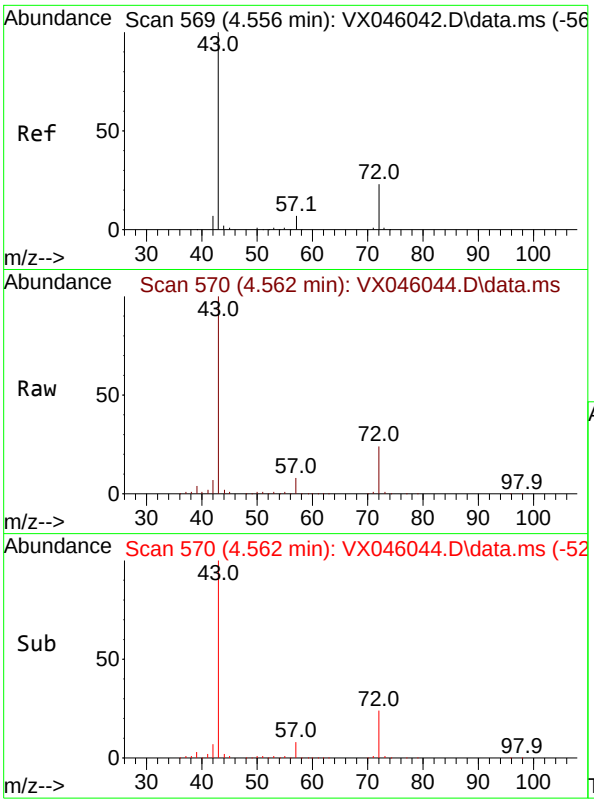




#24
1,1-Dichloroethane
Concen: 110.182 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 320083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.6 | 10.8 |
| 100 | 4.7 | 2.1 | 6.3 |



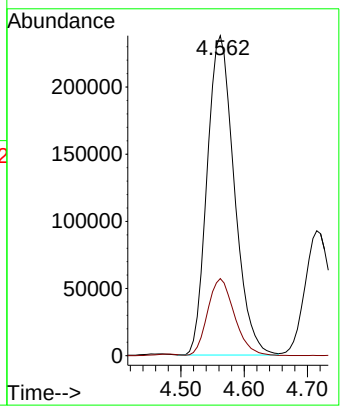


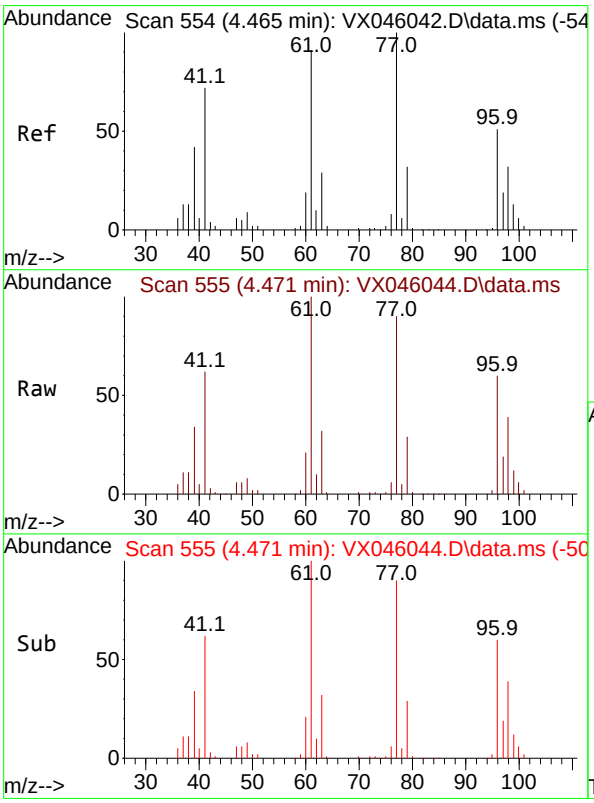

#25
2-Butanone
Concen: 581.292 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 708463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.0 | 18.4 | 27.6 |

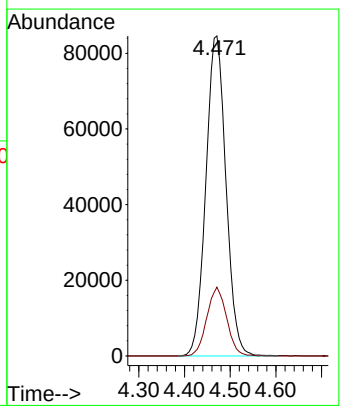


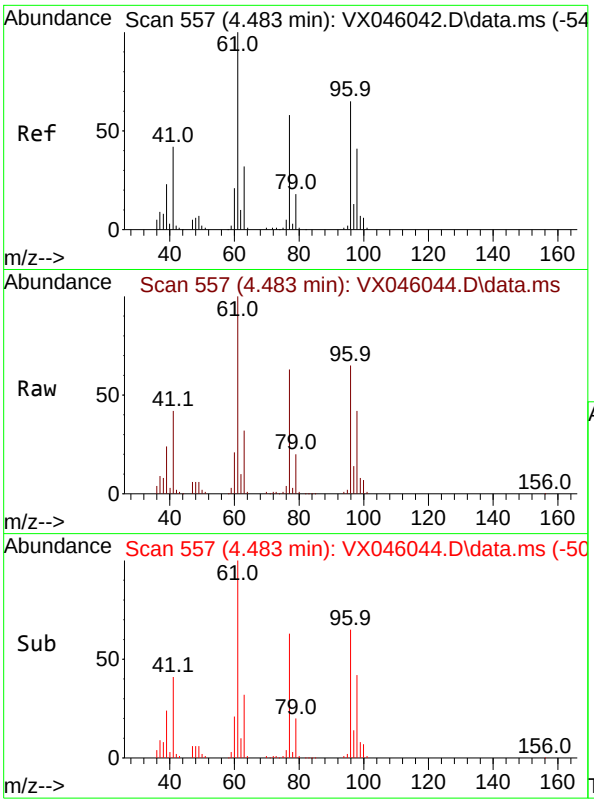




#26
2,2-Dichloropropane
Concen: 117.548 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 77 Resp: 258698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.1 | 10.5 | 31.5 |



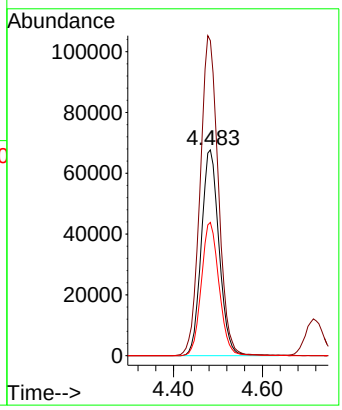


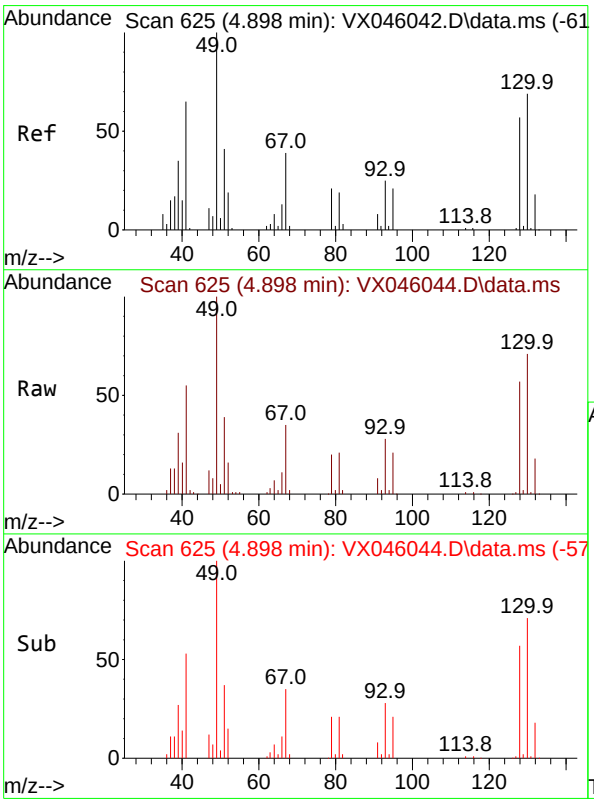

#27
cis-1,2-Dichloroethene
Concen: 108.994 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 187835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.8 | 0.0 | 322.8 |
| 98 | 64.8 | 0.0 | 129.0 |

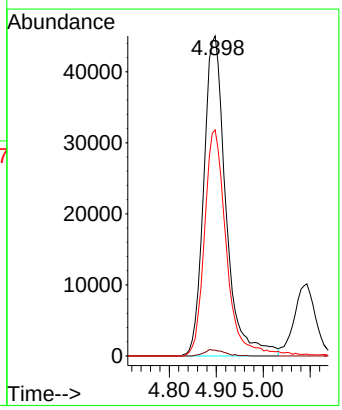


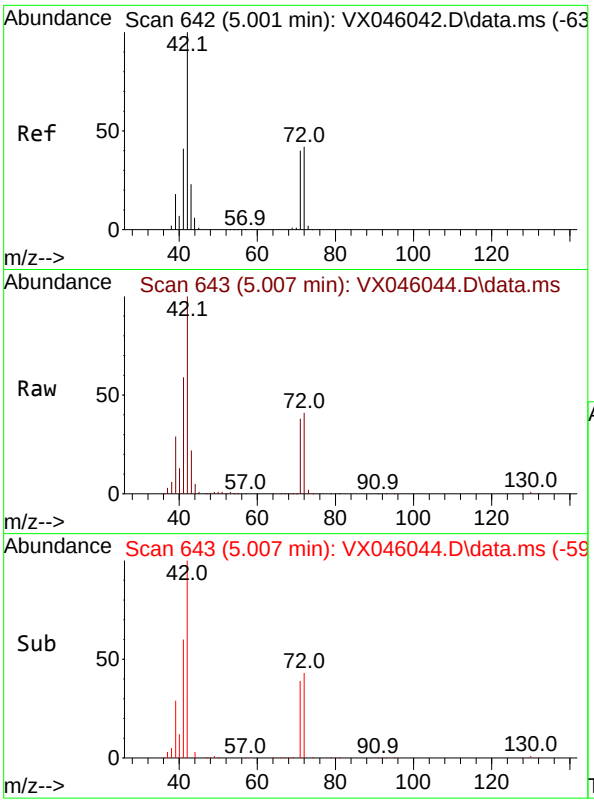




#28
Bromochloromethane
Concen: 95.108 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 49 Resp: 146923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 4.0 |
| 130 | 70.5 | 56.2 | 84.2 |



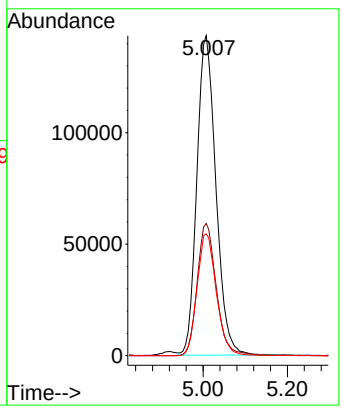


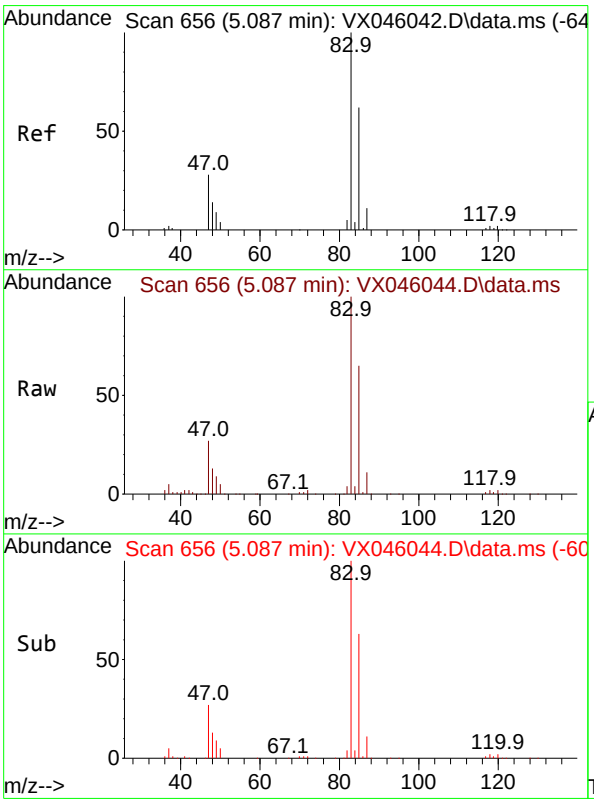

#29
Tetrahydrofuran
Concen: 569.081 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 42 Resp: 450456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.6 | 33.7 | 50.5 |
| 71 | 38.7 | 31.4 | 47.2 |

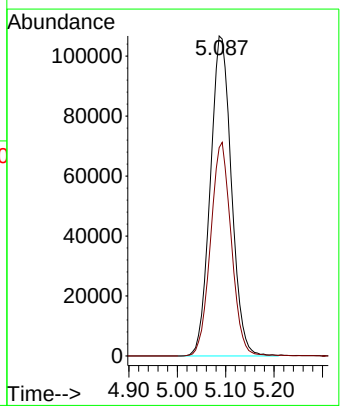


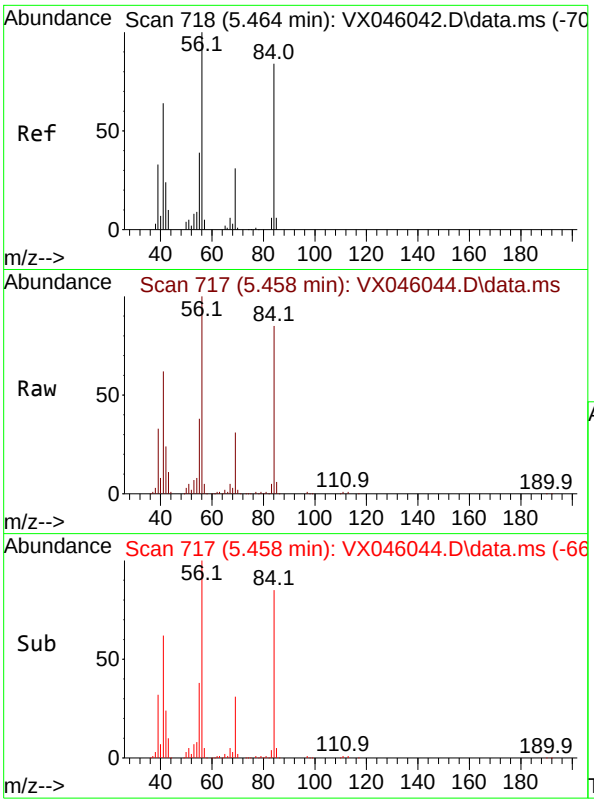




#30
Chloroform
Concen: 107.208 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 323659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 49.3 | 73.9 |



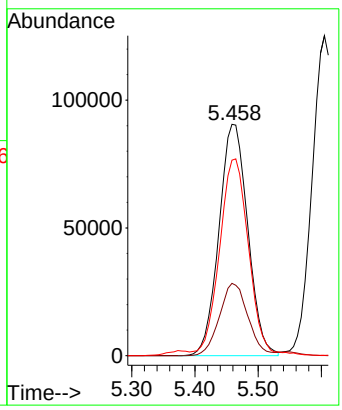


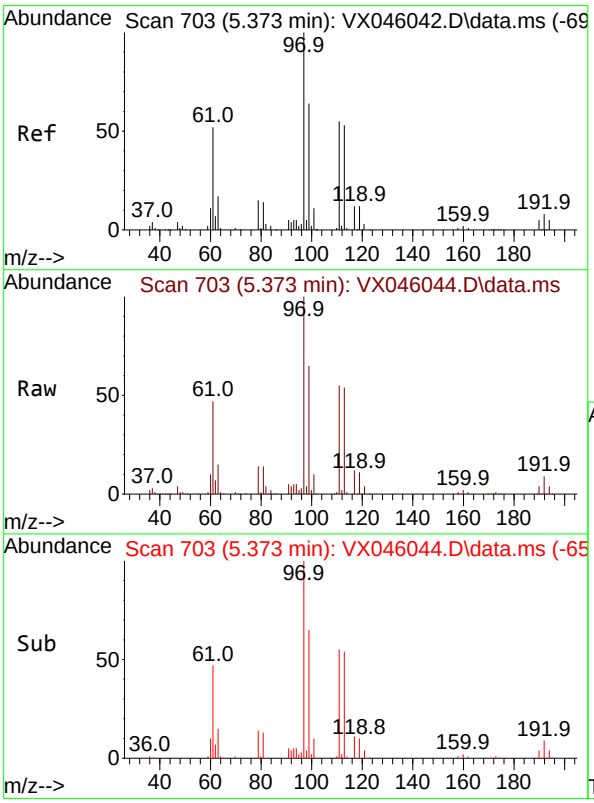

#31
Cyclohexane
Concen: 116.934 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 286312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.2 | 24.4 | 36.6 |
| 84 | 82.8 | 66.9 | 100.3 |

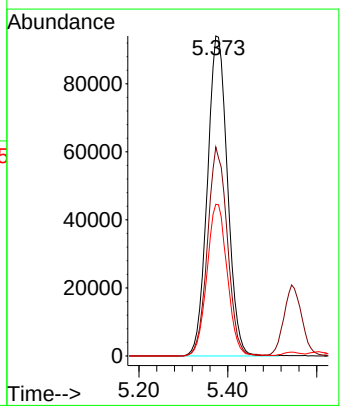


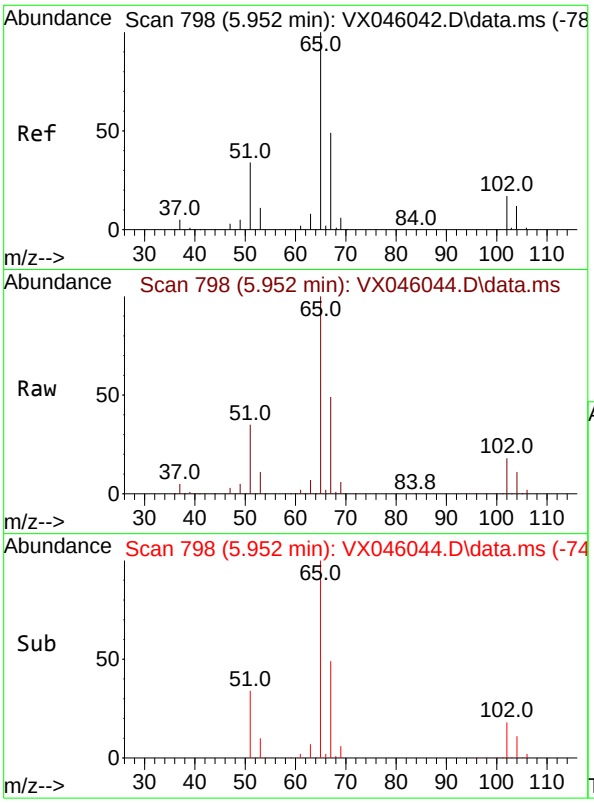




#32
1,1,1-Trichloroethane
Concen: 113.572 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 97 Resp: 295702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 51.8 | 77.6 |
| 61 | 48.0 | 40.1 | 60.1 |



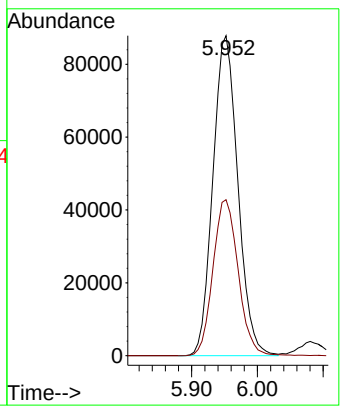


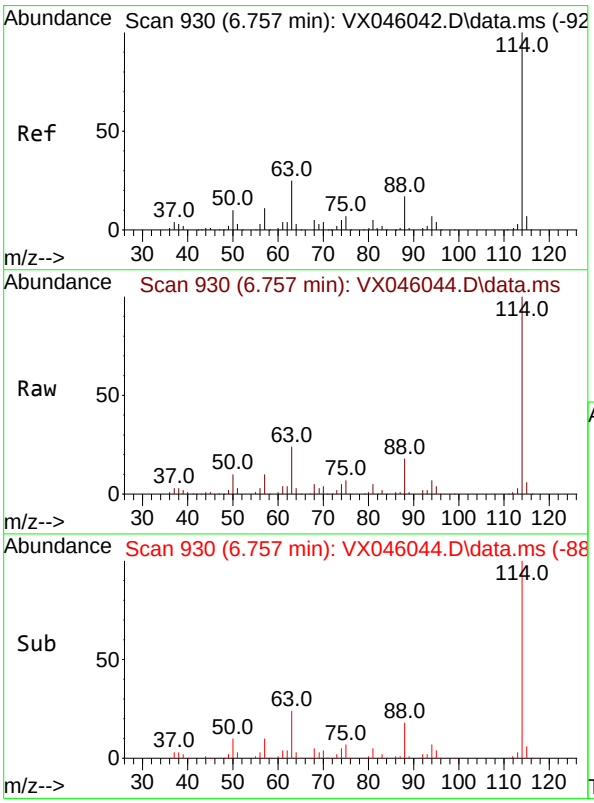

#33
1,2-Dichloroethane-d4
Concen: 93.983 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 65 Resp: 231952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.4 | 0.0 | 99.0 |

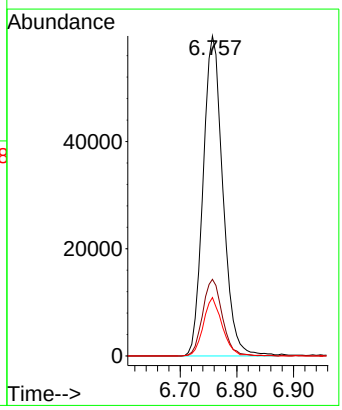


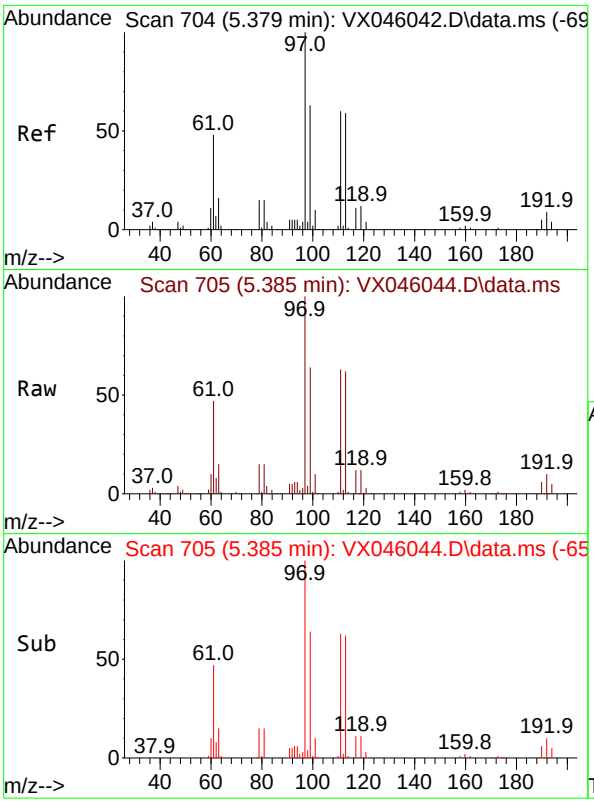




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:114 Resp: 144975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.9 | 0.0 | 49.2 |
| 88 | 18.3 | 0.0 | 33.6 |



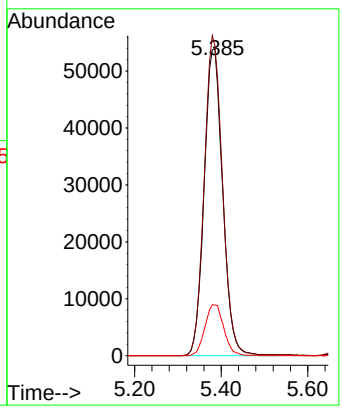


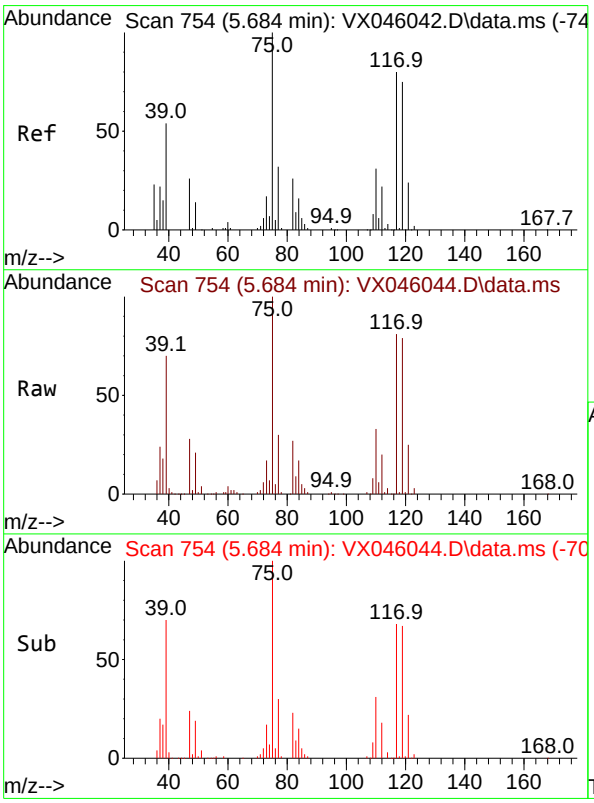

#35
Dibromofluoromethane
Concen: 98.562 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:113 Resp: 160168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 83.1 | 124.7 |
| 192 | 16.9 | 13.3 | 19.9 |

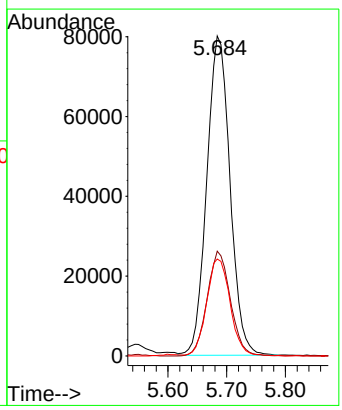


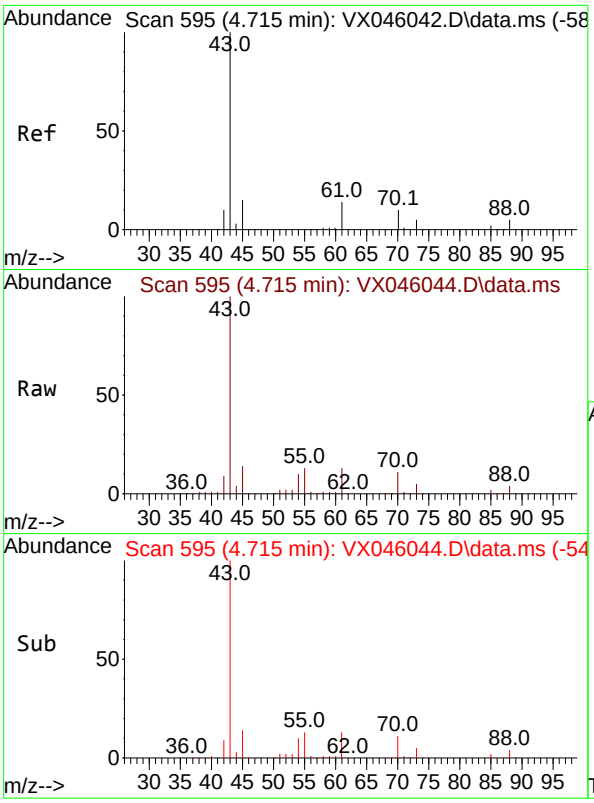




#36
1,1-Dichloropropene
Concen: 116.462 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 219731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.9 | 16.3 | 48.9 |
| 77 | 30.8 | 24.3 | 36.5 |



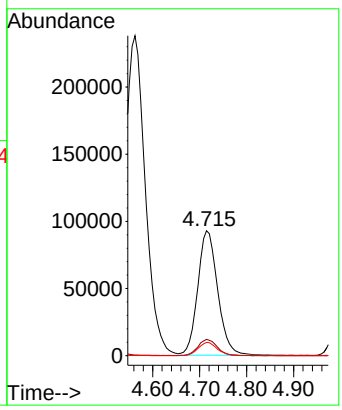


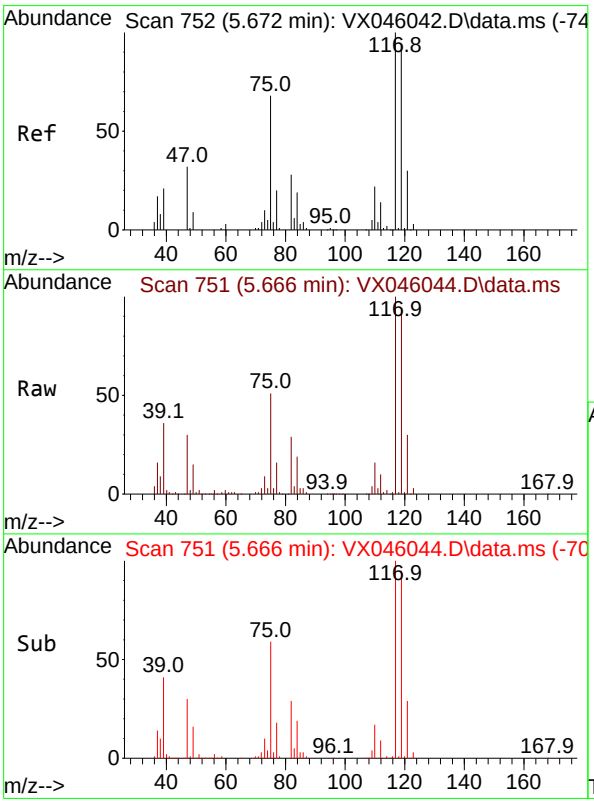

#37
Ethyl Acetate
Concen: 115.889 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 274312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.5 | 10.3 | 15.5 |
| 70 | 10.2 | 7.9 | 11.9 |

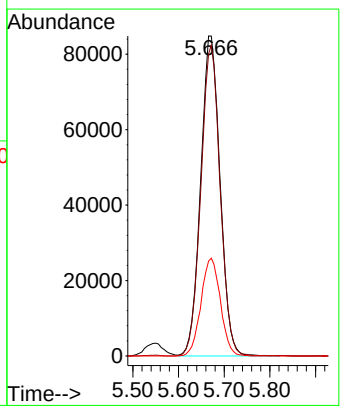


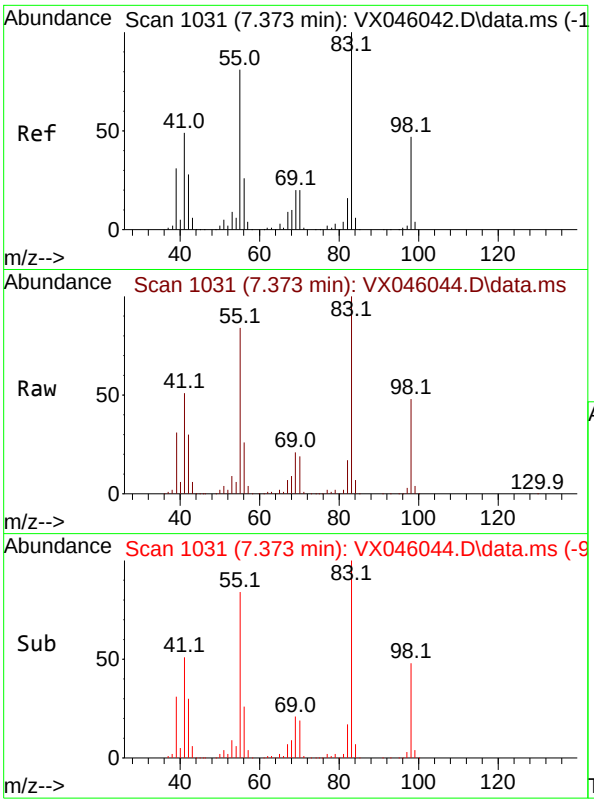




#38
Carbon Tetrachloride
Concen: 115.760 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 250916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.3 | 75.2 | 112.8 |
| 121 | 29.7 | 24.2 | 36.4 |



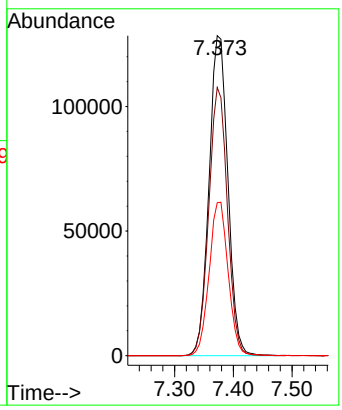


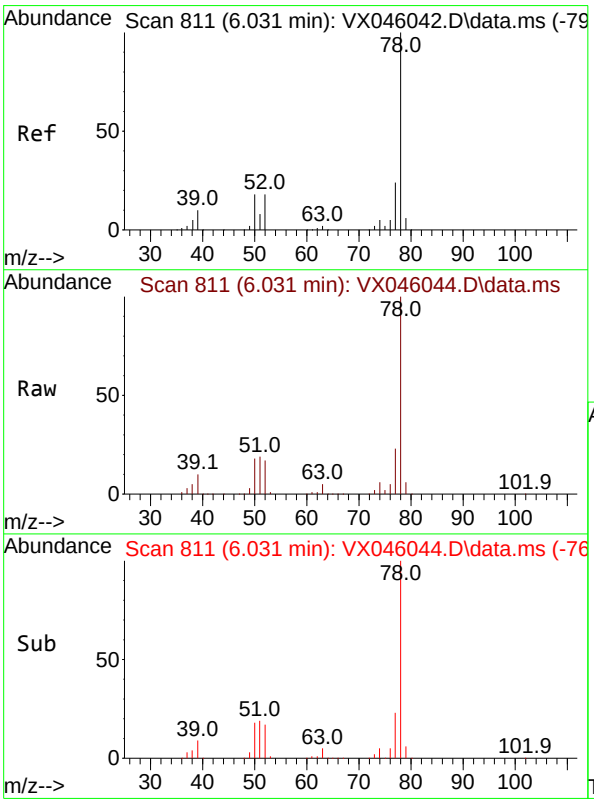

#39
Methylcyclohexane
Concen: 121.107 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 286311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.8 | 64.7 | 97.1 |
| 98 | 47.8 | 37.4 | 56.2 |

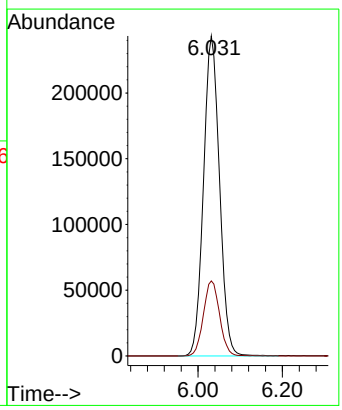


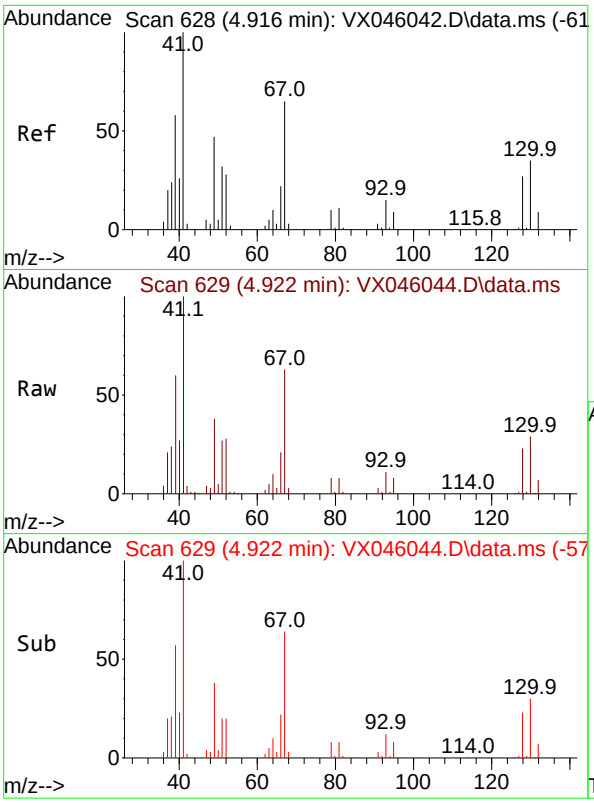




#40
Benzene
Concen: 109.813 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 78 Resp: 642178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.4 | 19.0 | 28.4 |



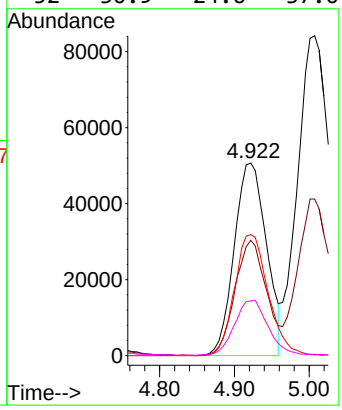


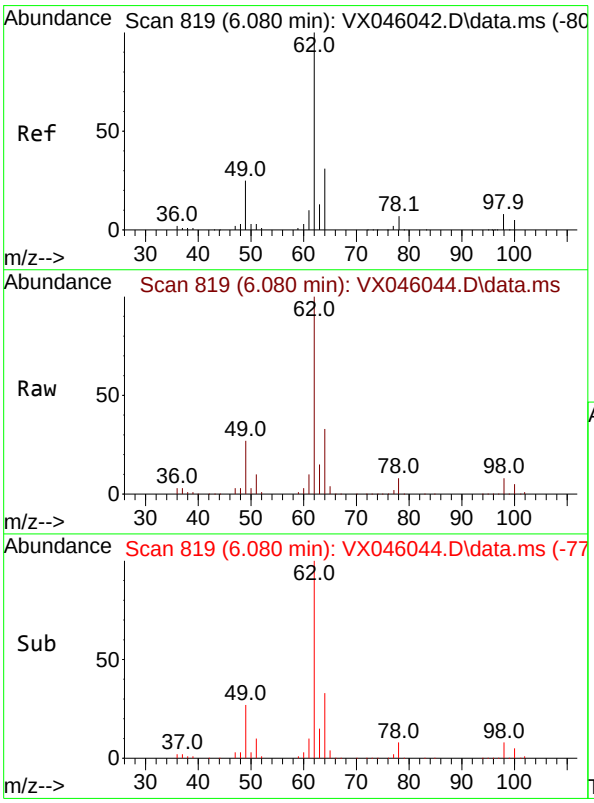

#41
Methacrylonitrile
Concen: 115.139 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 41 Resp: 151424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 60.0 | 47.2 | 70.8 |
| 67 | 65.9 | 50.7 | 76.1 |
| 52 | 30.9 | 24.6 | 37.0 |

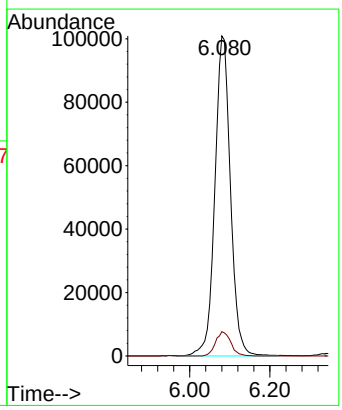


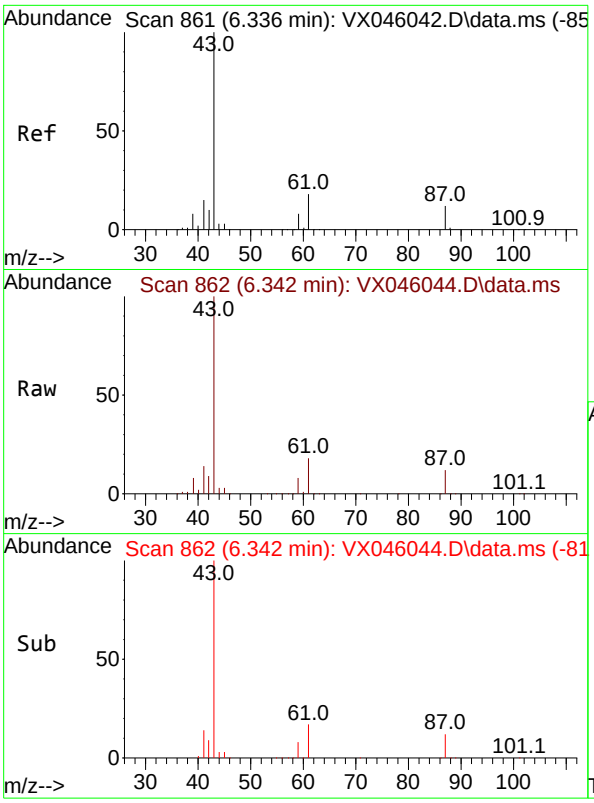




#42
1,2-Dichloroethane
Concen: 112.492 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 271992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.4 | 0.0 | 15.2 |



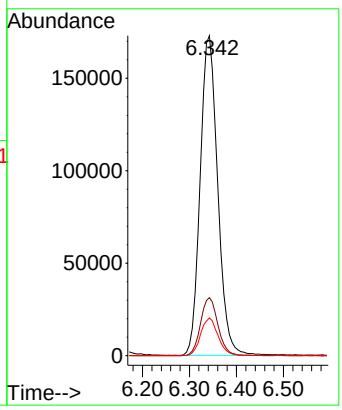


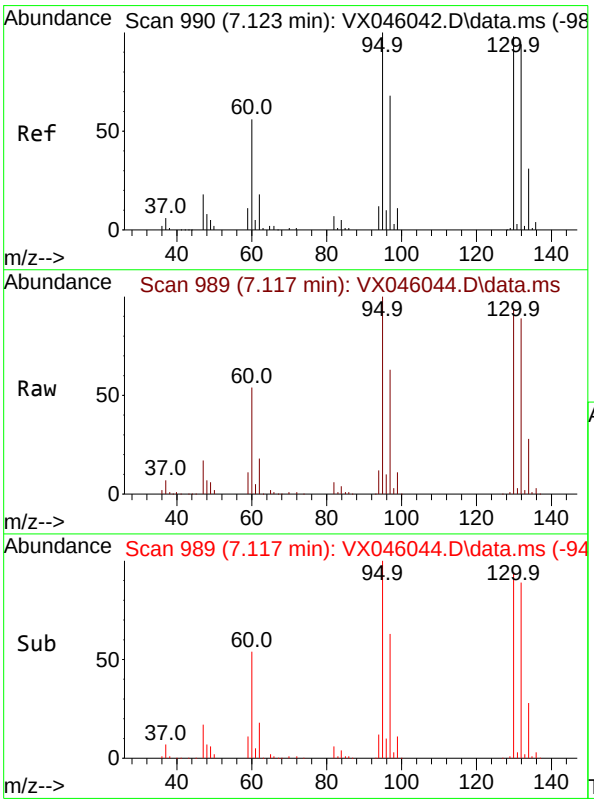

#43
Isopropyl Acetate
Concen: 123.780 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 447871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.1 | 14.3 | 21.5 |
| 87 | 11.7 | 9.5 | 14.3 |

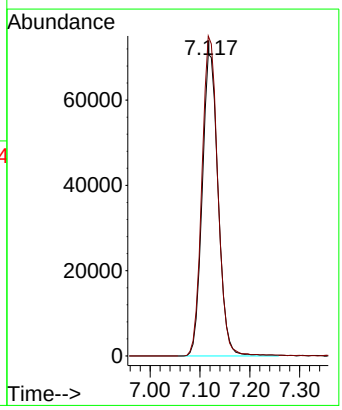


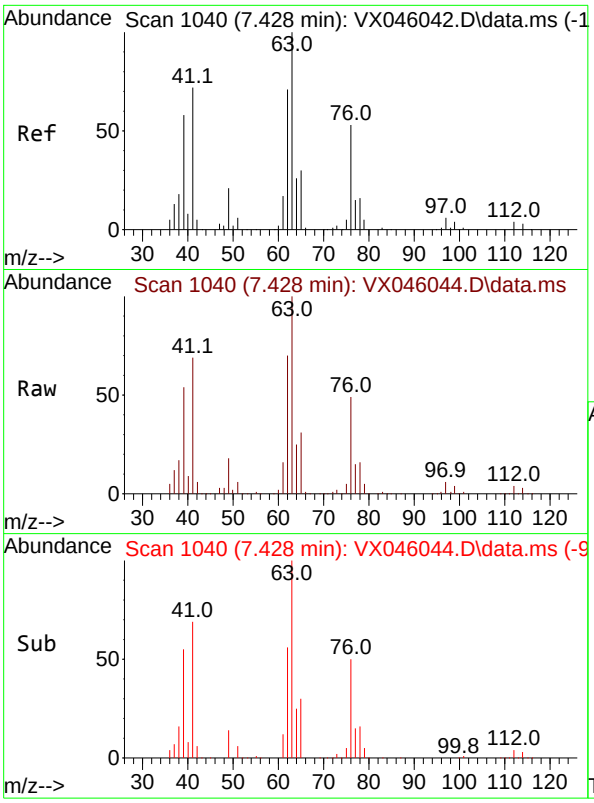




#44
Trichloroethene
Concen: 114.032 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:130 Resp: 157641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 105.9 | 0.0 | 204.2 |



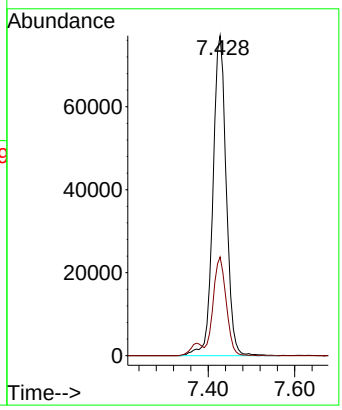


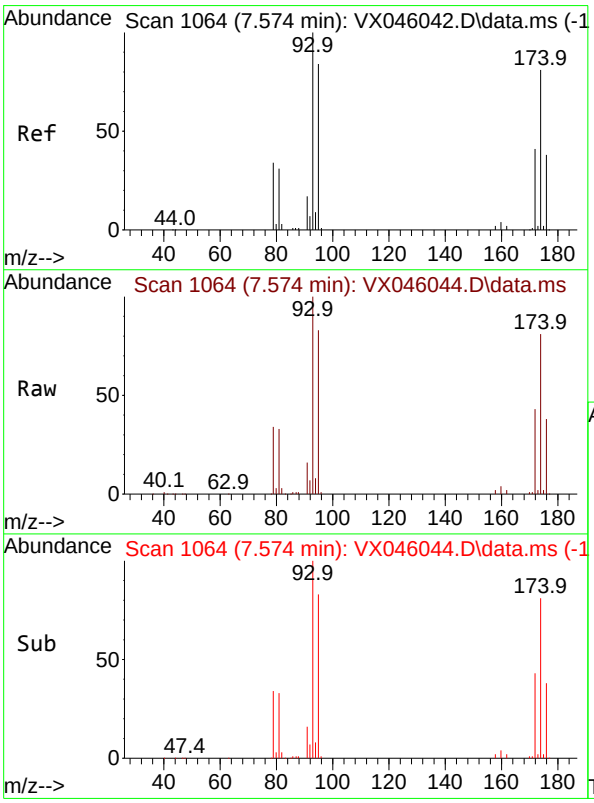

#45
1,2-Dichloropropane
Concen: 113.217 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 63 Resp: 164505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 24.1 | 36.1 |

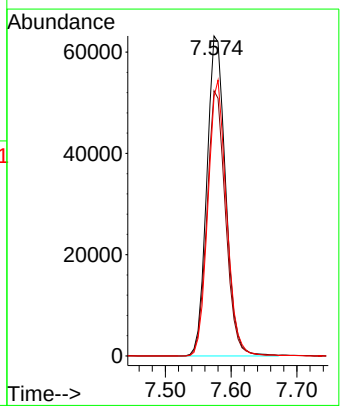


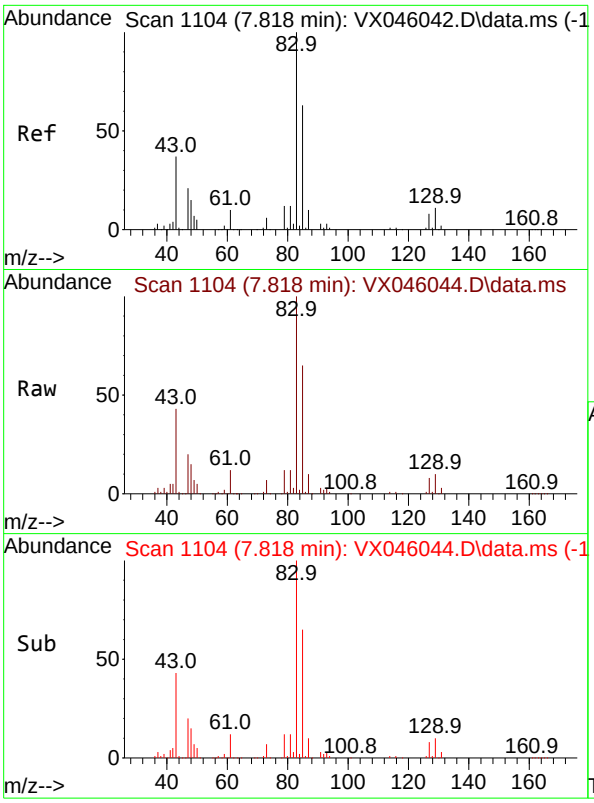




#46
Dibromomethane
Concen: 109.869 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 93 Resp: 125846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.4 | 65.6 | 98.4 |
| 174 | 85.0 | 68.2 | 102.2 |



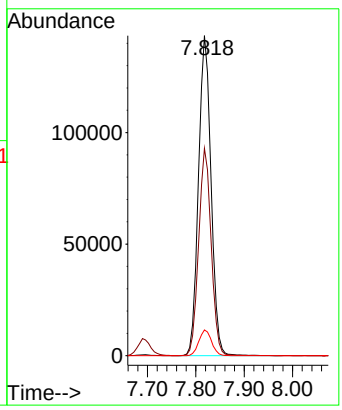


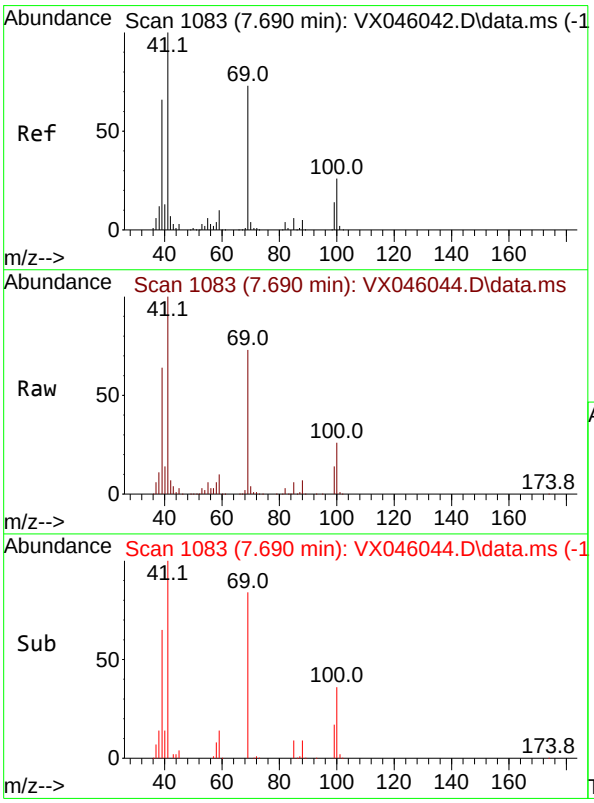

#47
Bromodichloromethane
Concen: 116.365 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 258326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 50.5 | 75.7 |
| 127 | 8.0 | 6.5 | 9.7 |

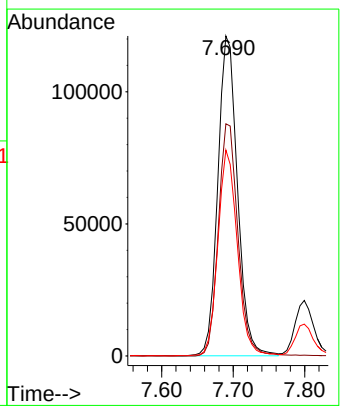


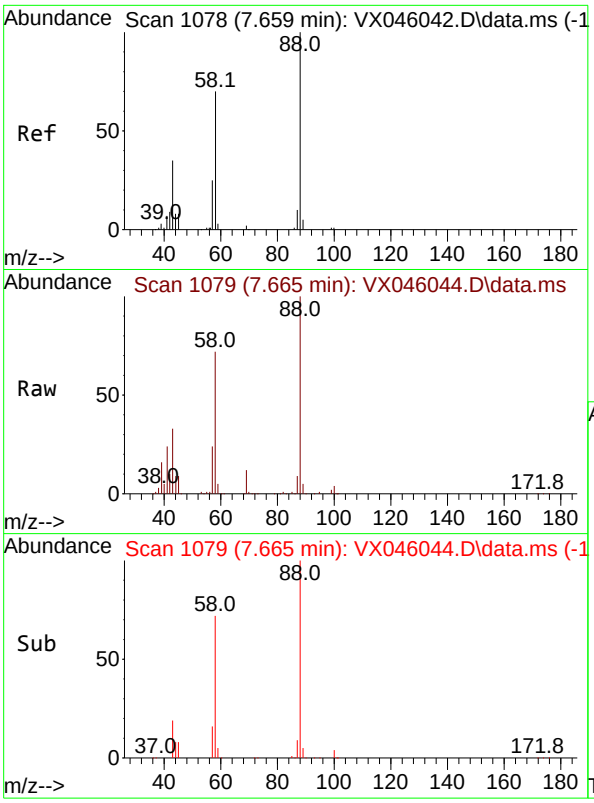




#48
Methyl methacrylate
Concen: 124.356 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 231040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 73.0 | 58.5 | 87.7 |
| 39 | 63.8 | 51.7 | 77.5 |



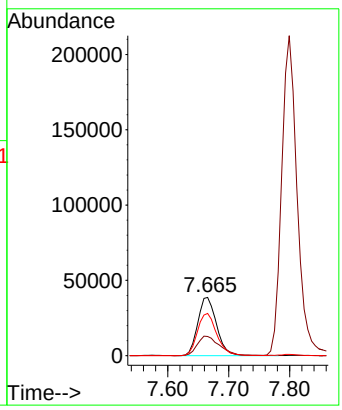


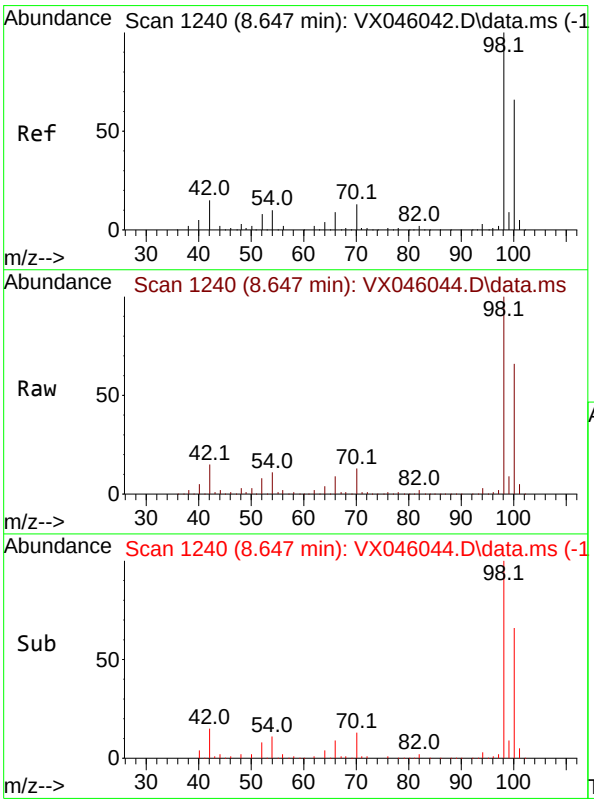

#49
1,4-Dioxane
Concen: 2241.695 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 88 Resp: 82800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.0 | 33.4 | 50.2 |
| 58 | 74.8 | 58.6 | 88.0 |

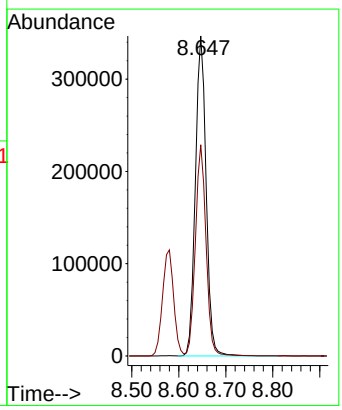


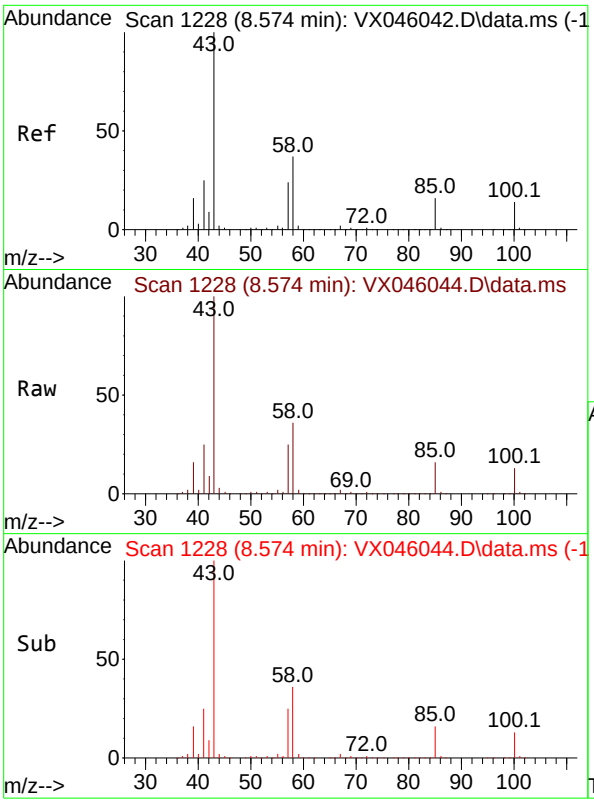




#50
Toluene-d8
Concen: 101.252 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 98 Resp: 554390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.4 | 53.5 | 80.3 |



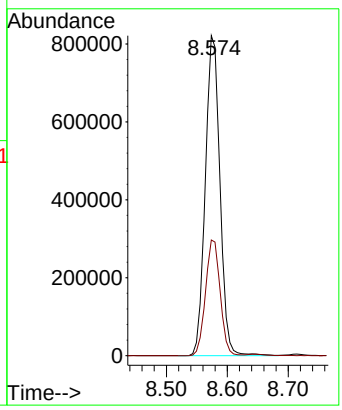


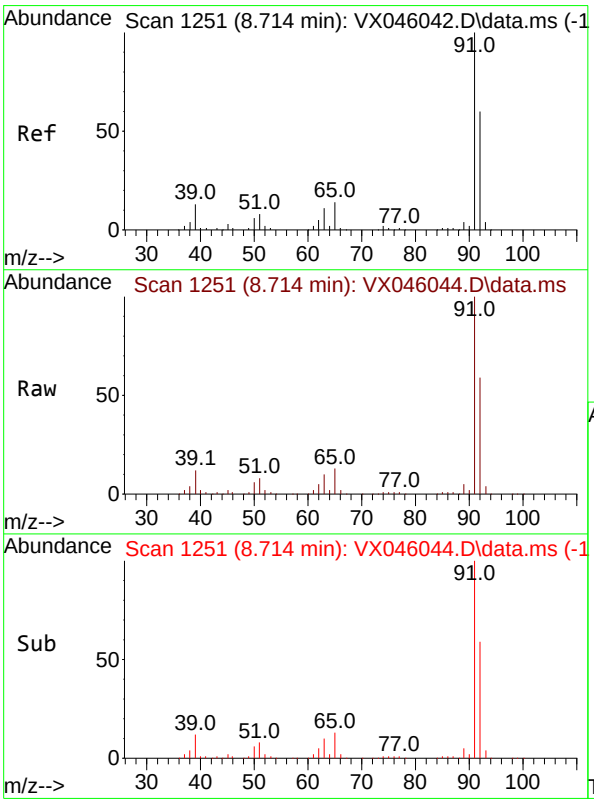

#51
4-Methyl-2-Pentanone
Concen: 577.831 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 1371275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.2 | 28.9 | 43.3 |

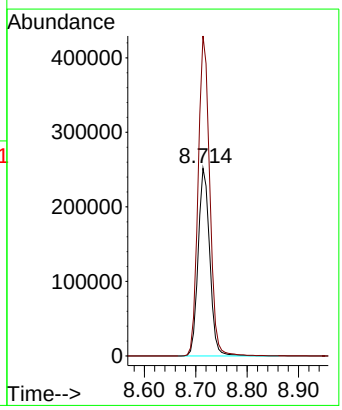


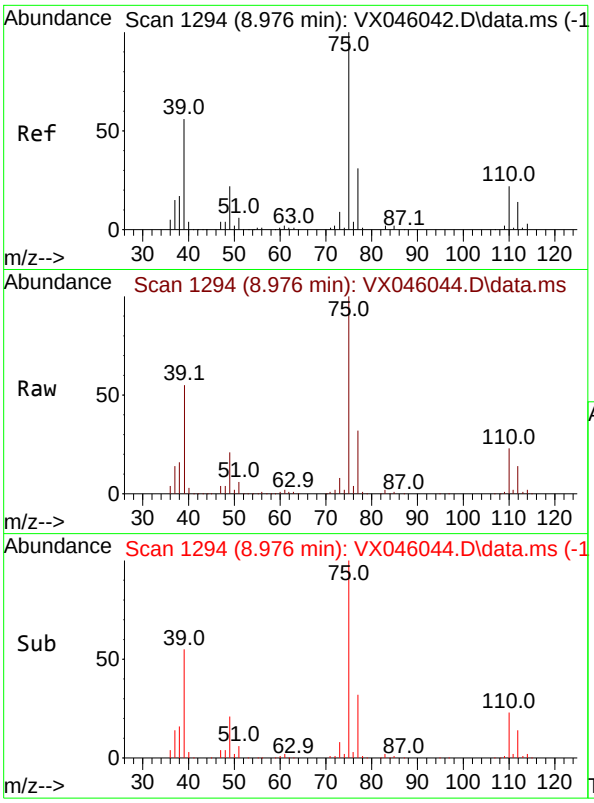




#52
Toluene
Concen: 113.430 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 92 Resp: 393323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.0 | 136.6 | 205.0 |



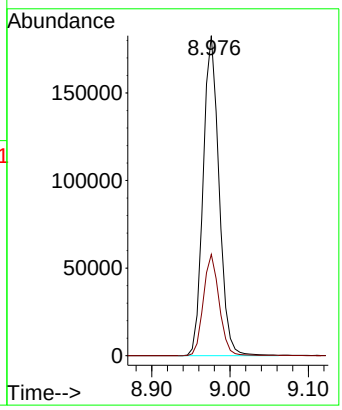


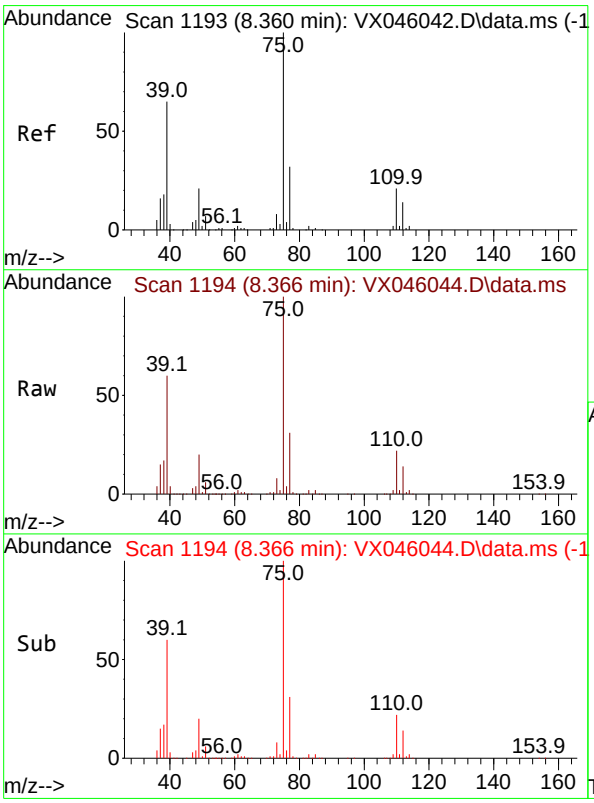

#53
t-1,3-Dichloropropene
Concen: 138.001 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 257233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.0 | 37.6 |

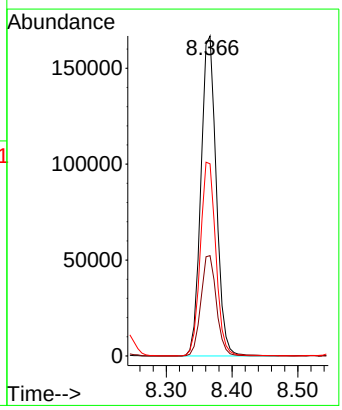


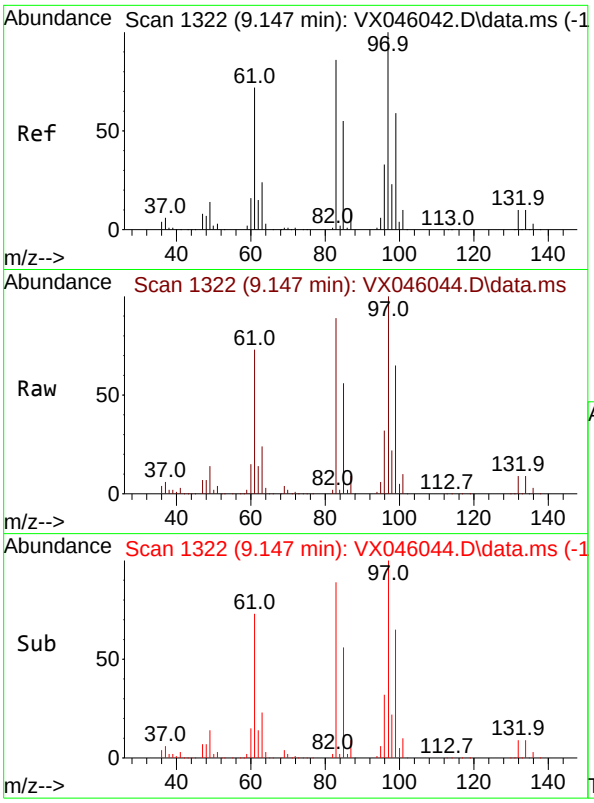




#54
cis-1,3-Dichloropropene
Concen: 124.658 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 271054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.4 | 38.0 |
| 39 | 60.0 | 52.2 | 78.4 |



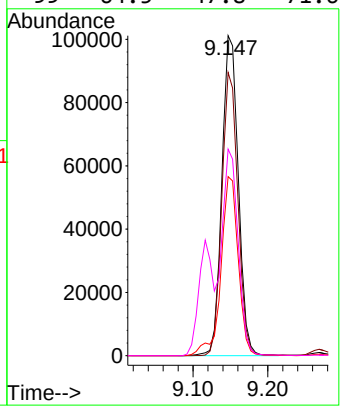


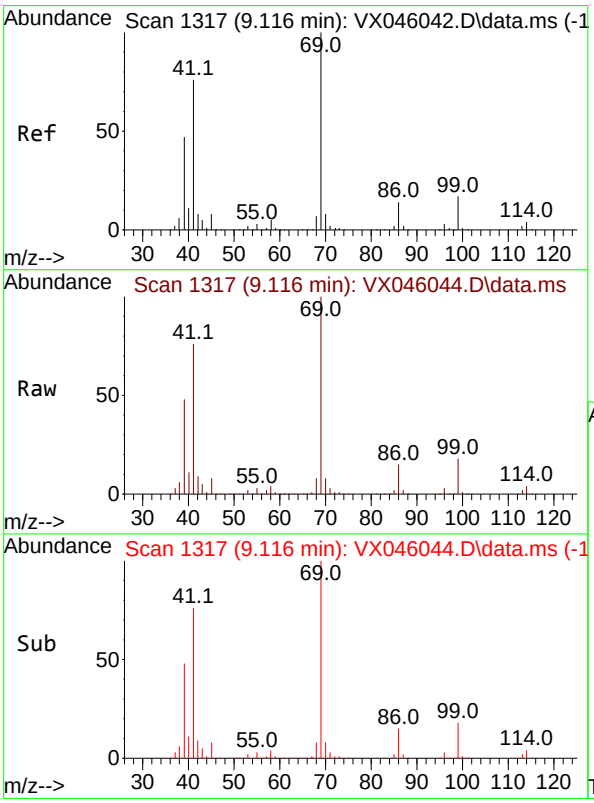

#55
1,1,2-Trichloroethane
Concen: 110.551 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 97 Resp: 154932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.5 | 69.0 | 103.6 |
| 85 | 56.0 | 44.3 | 66.5 |
| 99 | 64.5 | 47.8 | 71.6 |

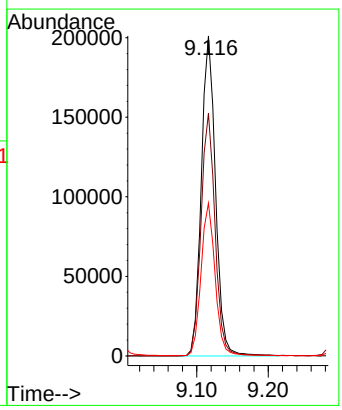


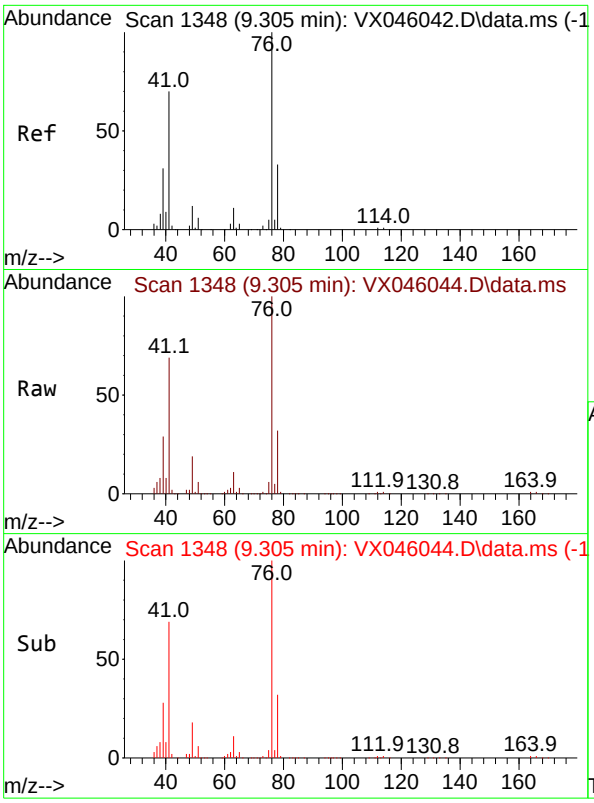




#56
Ethyl methacrylate
Concen: 127.968 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 69 Resp: 277921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 75.4 | 60.8 | 91.2 |
| 39 | 47.2 | 39.0 | 58.6 |



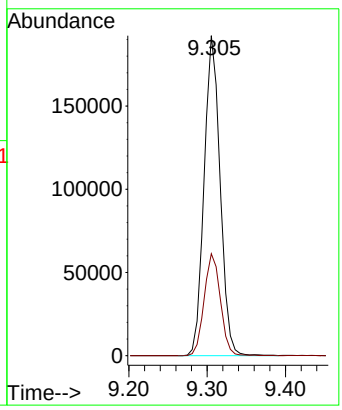


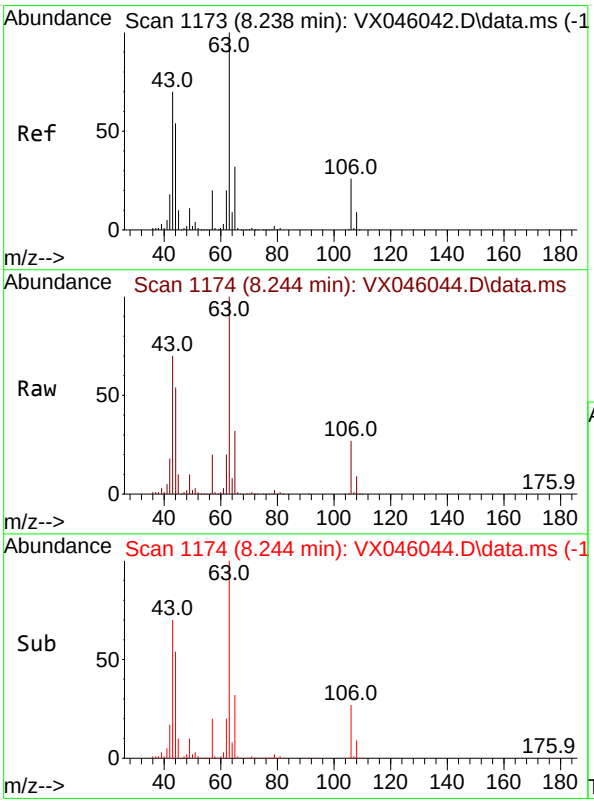

#57
1,3-Dichloropropane
Concen: 109.813 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 272814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 26.3 | 39.5 |

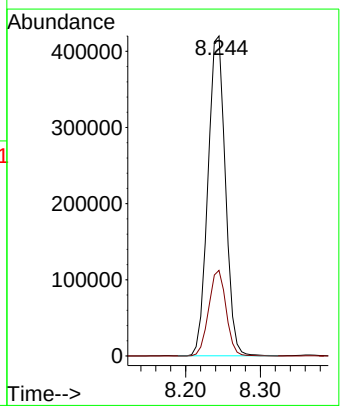


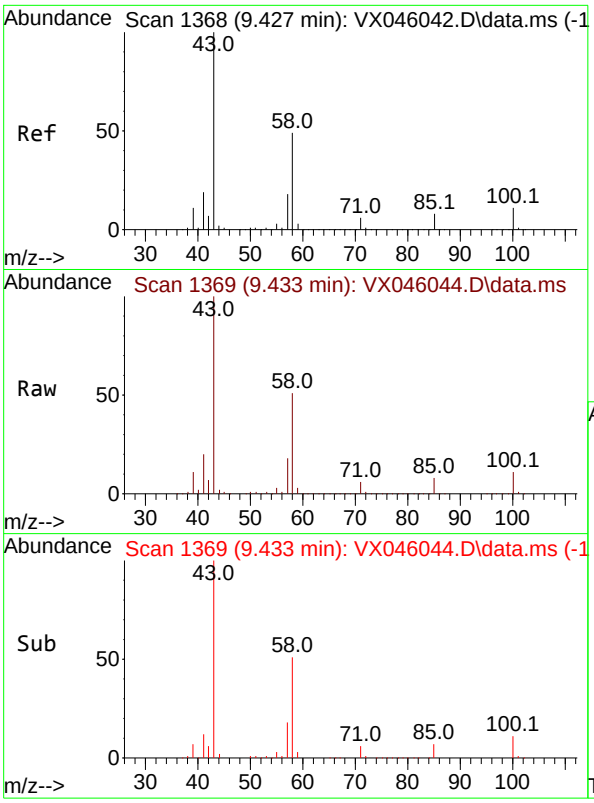




#58
2-Chloroethyl Vinyl ether
Concen: 697.344 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 680608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.7 | 21.5 | 32.3 |



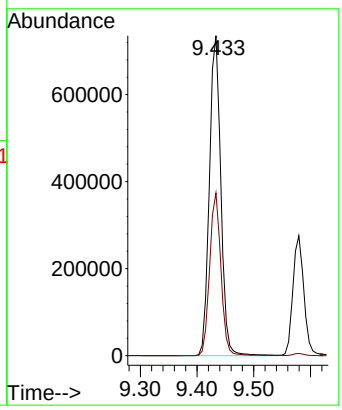


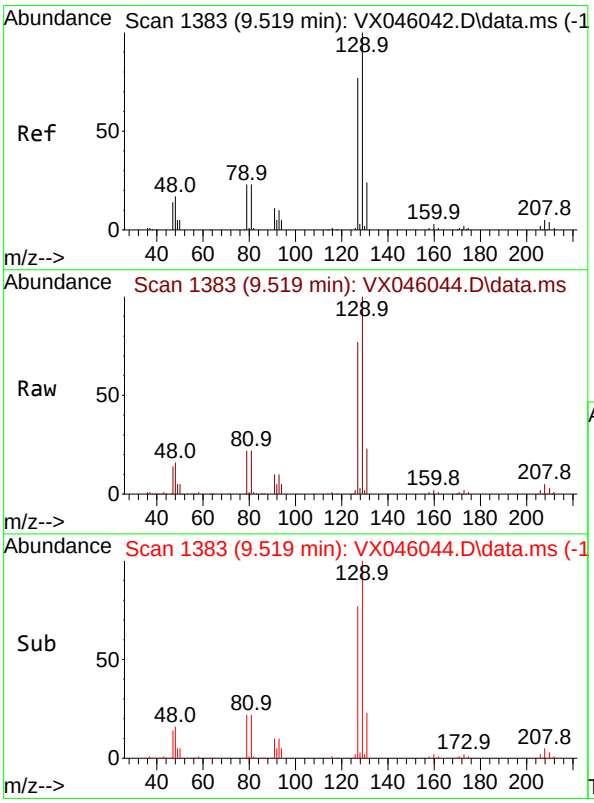

#59
2-Hexanone
Concen: 571.094 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 1028597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.2 | 24.9 | 74.6 |

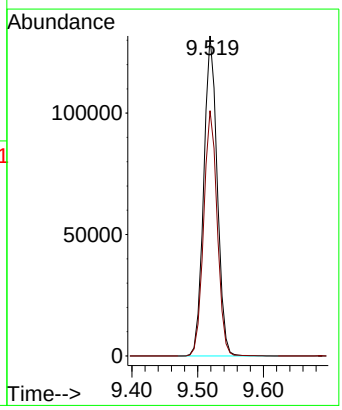


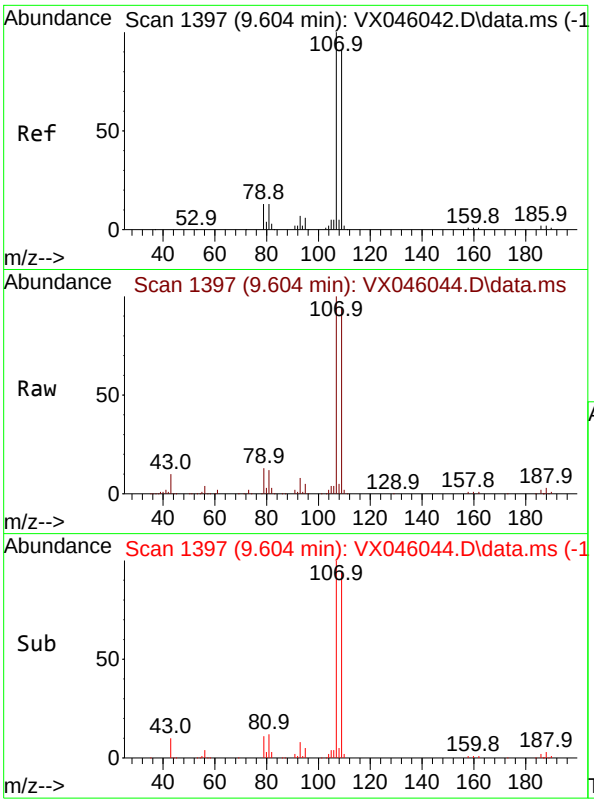




#60
Dibromochloromethane
Concen: 122.915 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:129 Resp: 187497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.1 | 39.3 | 117.8 |



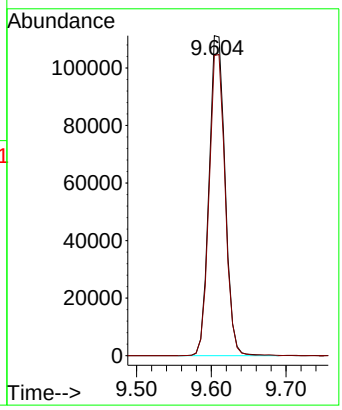


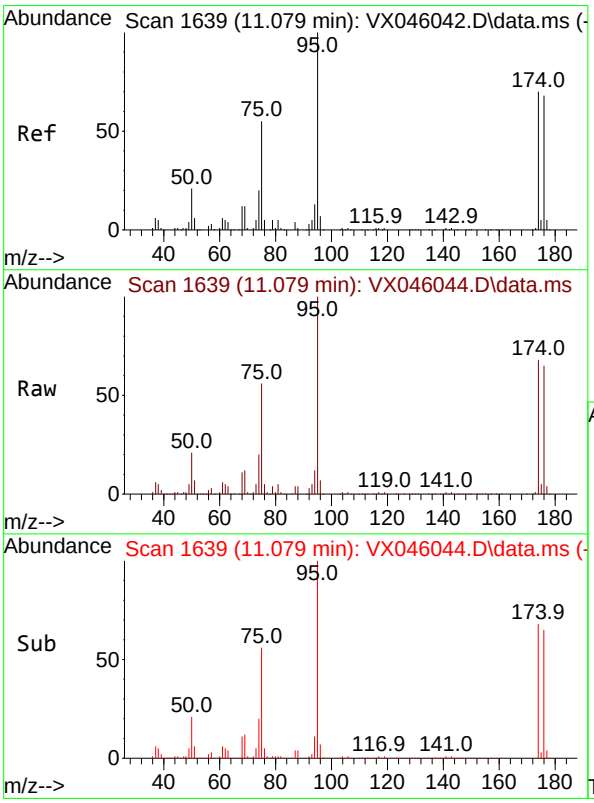

#61
1,2-Dibromoethane
Concen: 115.087 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:107 Resp: 165634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.6 | 73.3 | 109.9 |

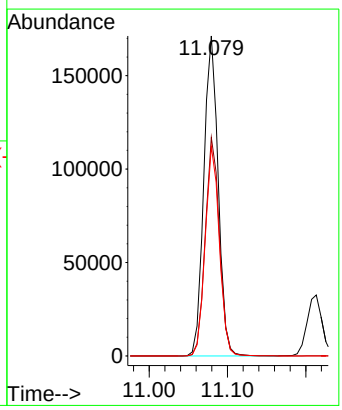


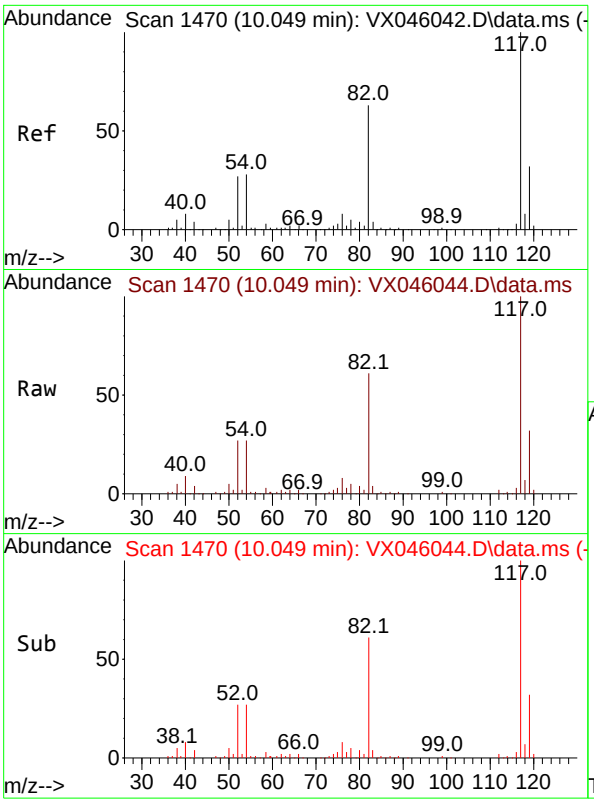




#62
4-Bromofluorobenzene
Concen: 109.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 95 Resp: 217536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.5 | 0.0 | 135.8 |
| 176 | 64.4 | 0.0 | 131.4 |



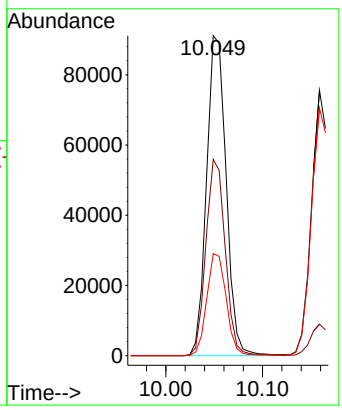


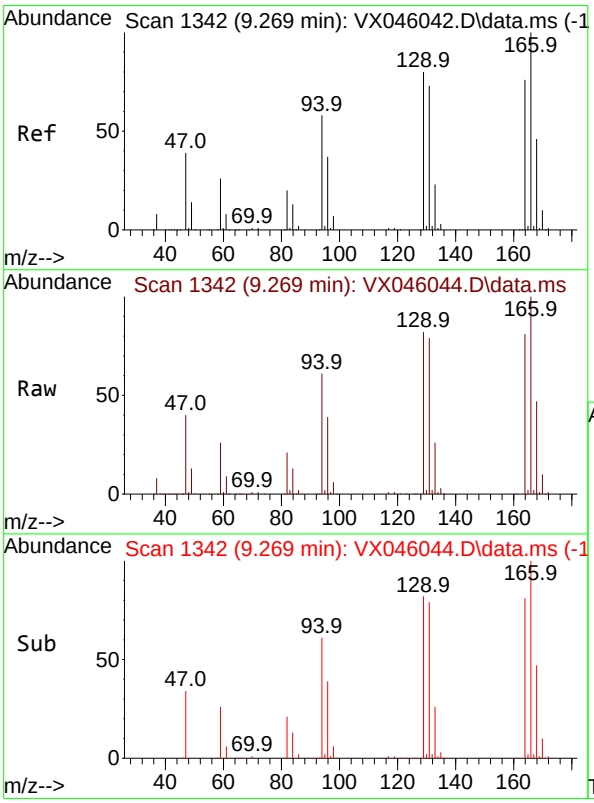

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:117 Resp: 128557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.4 | 50.6 | 76.0 |
| 119 | 31.9 | 25.8 | 38.6 |

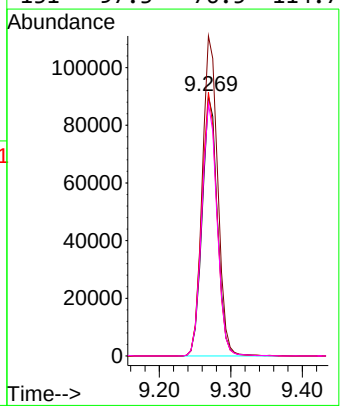


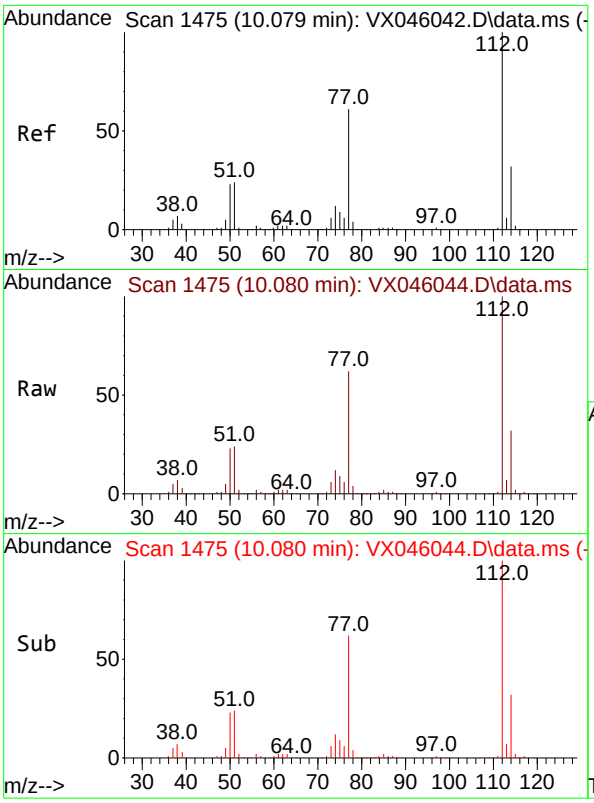




#64
Tetrachloroethene
Concen: 100.918 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:164 Resp: 132488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.3 | 105.0 | 157.6 |
| 129 | 101.6 | 83.5 | 125.3 |
| 131 | 97.3 | 76.5 | 114.7 |



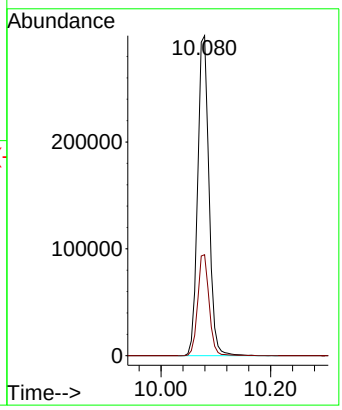


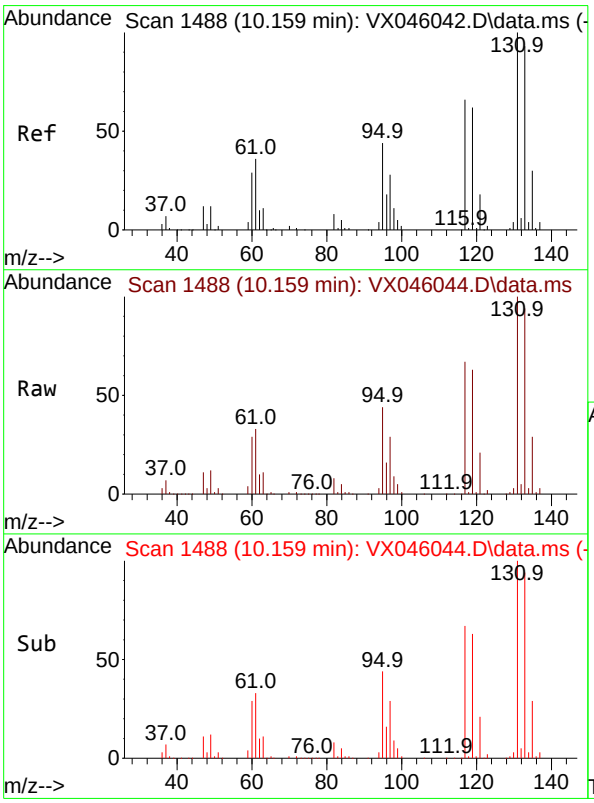

#65
Chlorobenzene
Concen: 108.615 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:112 Resp: 429656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.5 | 25.4 | 38.2 |

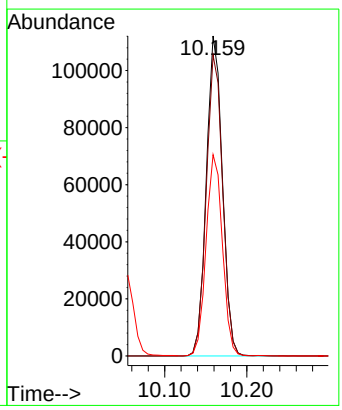


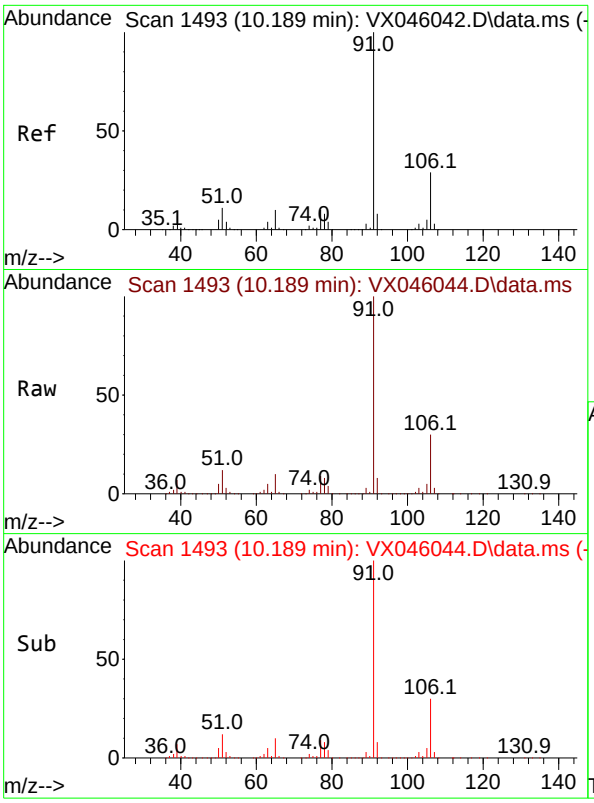




#66
1,1,1,2-Tetrachloroethane
Concen: 115.333 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:131 Resp: 152173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.7 | 47.3 | 141.9 |
| 119 | 64.0 | 31.6 | 95.0 |



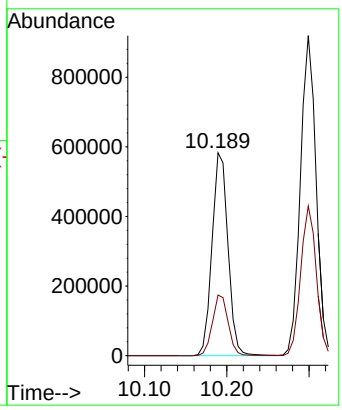


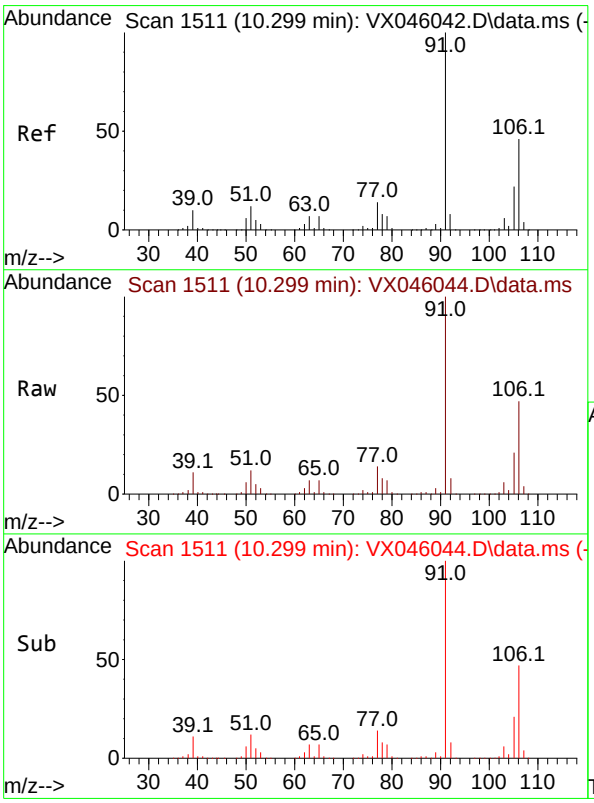

#67
Ethyl Benzene
Concen: 116.421 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 785121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 23.4 | 35.2 |

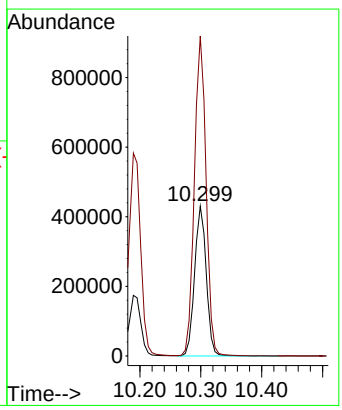


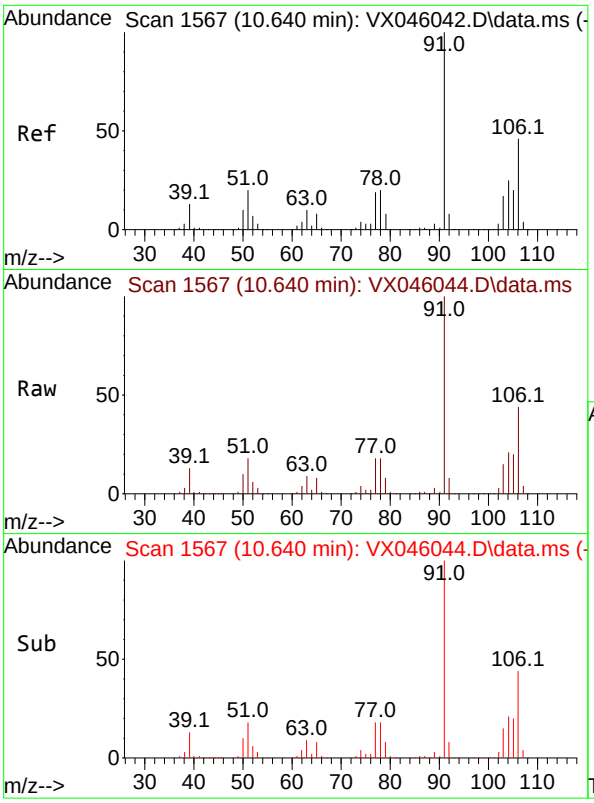




#68
m/p-Xylenes
Concen: 234.349 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:106 Resp: 570913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.2 | 171.2 | 256.8 |



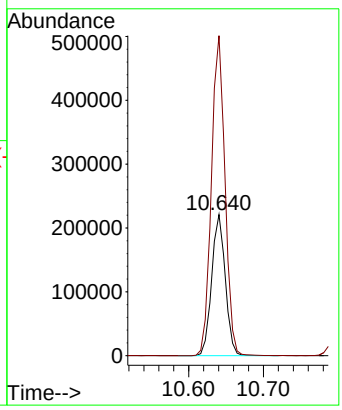


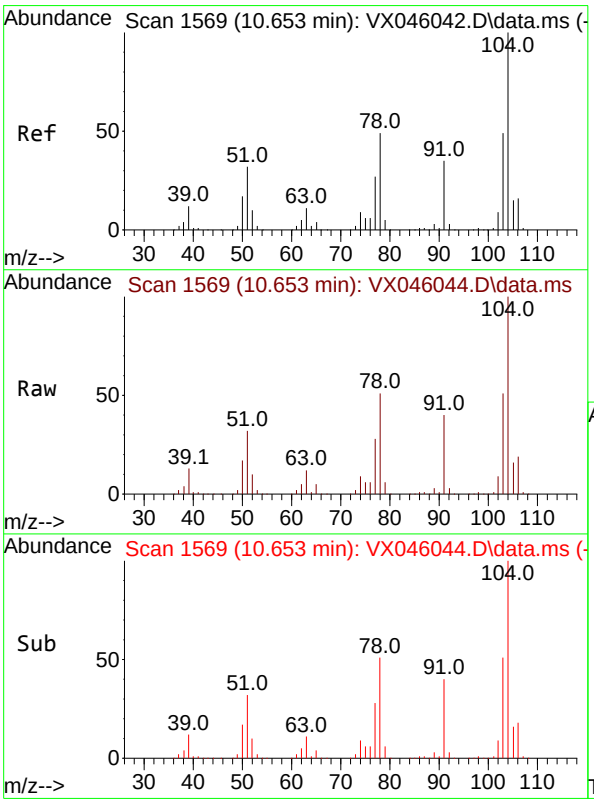

#69
o-Xylene
Concen: 113.990 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:106 Resp: 279906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 226.9 | 112.7 | 338.1 |

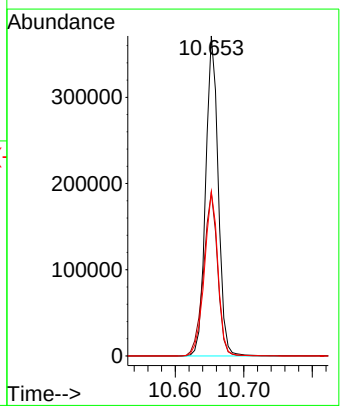


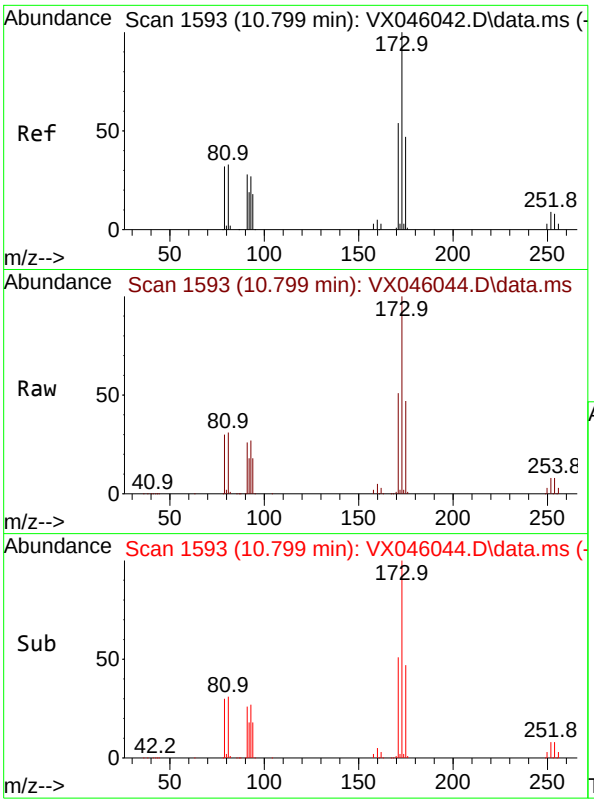




#70
Styrene
Concen: 120.694 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:104 Resp: 474254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.2 | 45.7 | 68.5 |
| 103 | 55.5 | 43.7 | 65.5 |



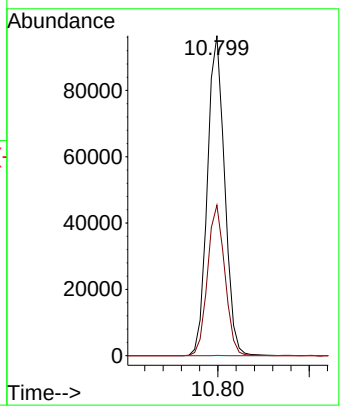


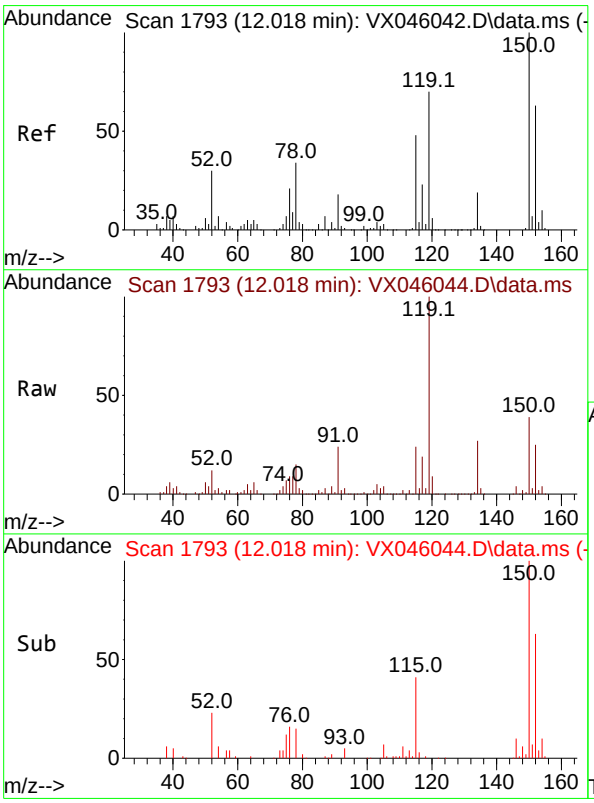

#71
Bromoform
Concen: 127.128 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:173 Resp: 125986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.3 | 23.4 | 70.0 |
| 254 | 0.1 | 0.0 | 0.0# |

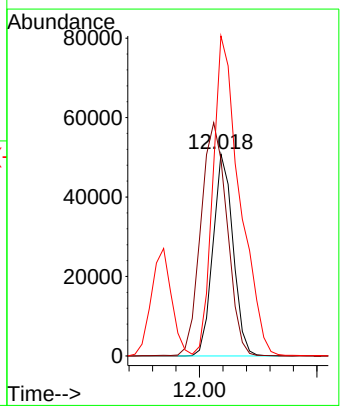


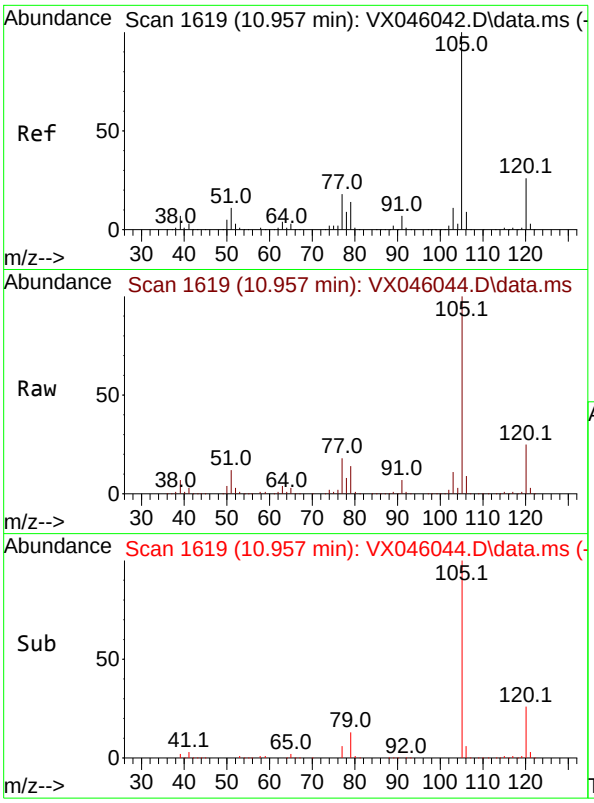




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:152 Resp: 60345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 150.7 | 46.9 | 140.7# |
| 150 | 211.6 | 0.0 | 351.0 |



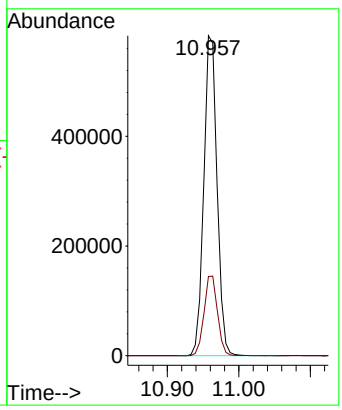


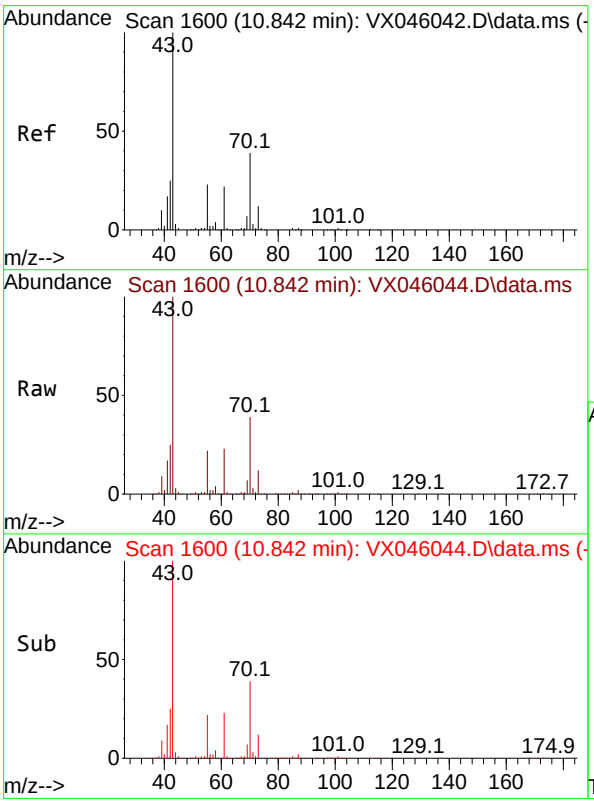

#73
Isopropylbenzene
Concen: 114.312 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 752337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.3 | 12.8 | 38.4 |

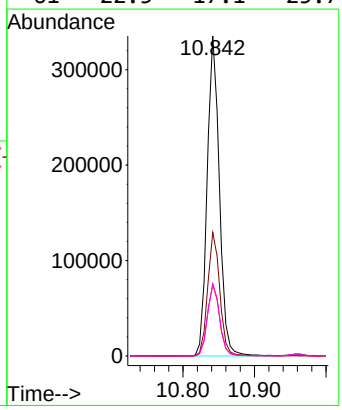


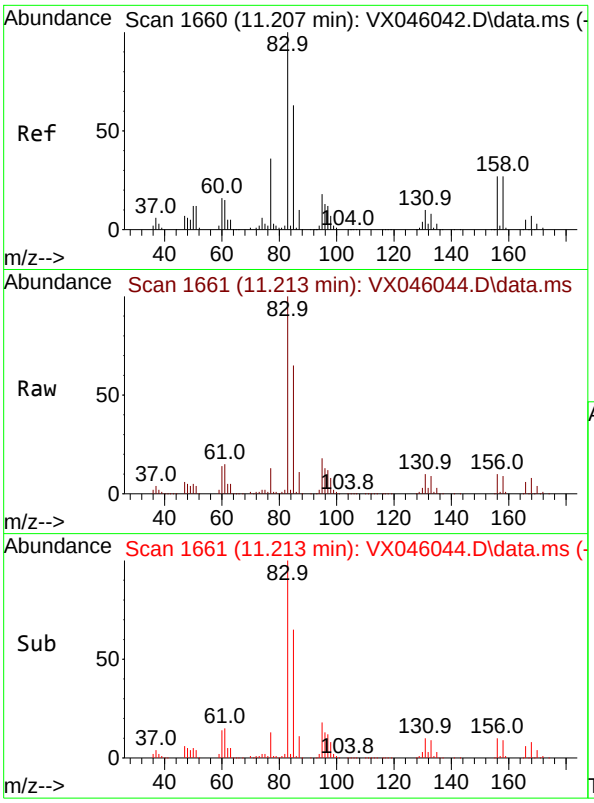




#74
N-amyl acetate
Concen: 120.944 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 396877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.5 | 30.9 | 46.3 |
| 55 | 22.5 | 18.7 | 28.1 |
| 61 | 22.5 | 17.1 | 25.7 |



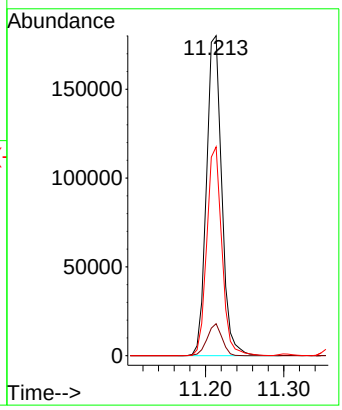


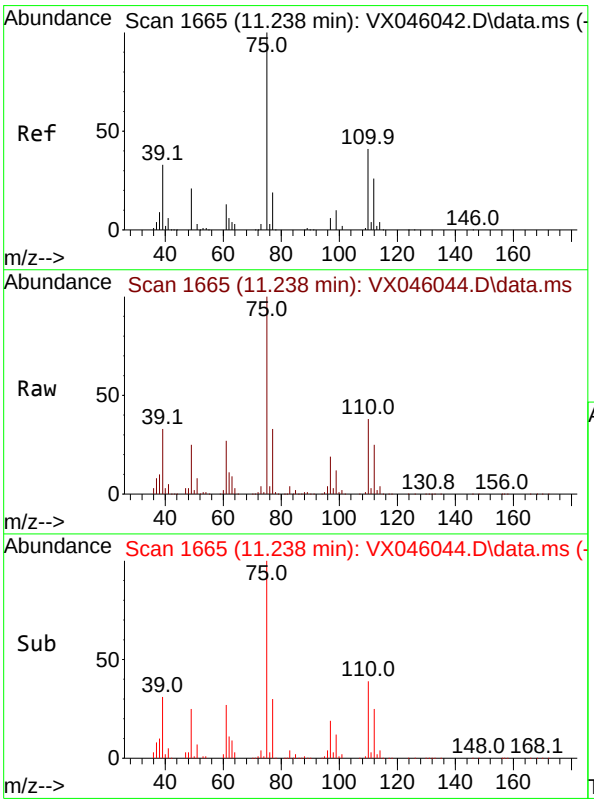

#75
1,1,2,2-Tetrachloroethane
Concen: 104.018 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 243532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 5.0 | 14.9 |
| 85 | 64.4 | 31.9 | 95.7 |

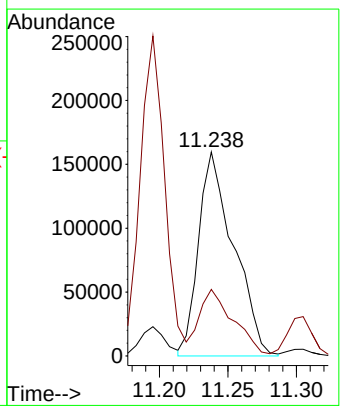


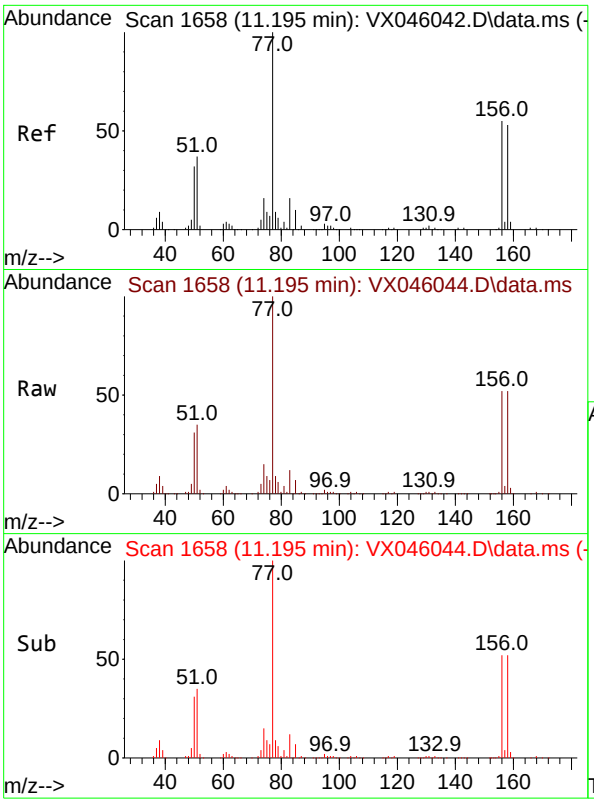




#76
1,2,3-Trichloropropane
Concen: 113.113 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 284571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 20.5 | 61.5 |



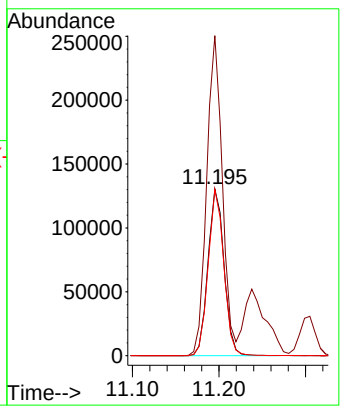


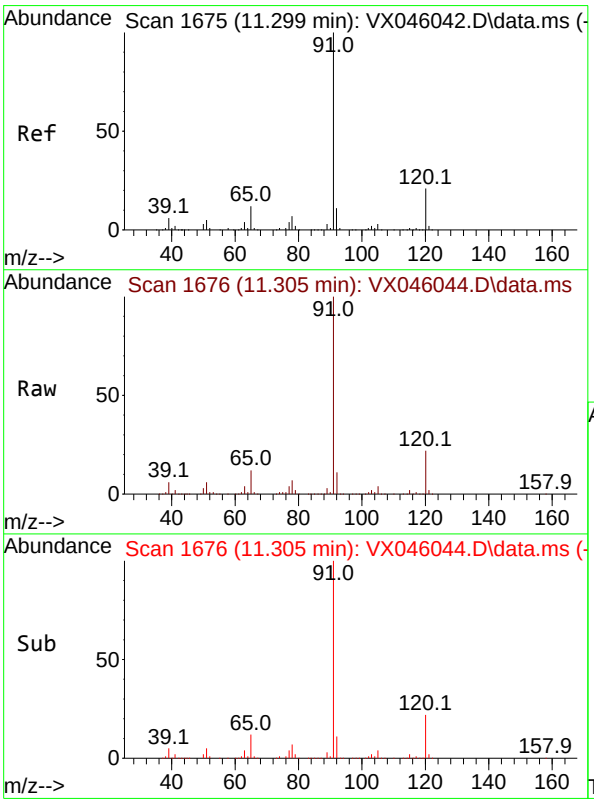

#77
Bromobenzene
Concen: 110.297 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:156 Resp: 167934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 187.1 | 92.8 | 278.3 |
| 158 | 97.3 | 48.8 | 146.3 |

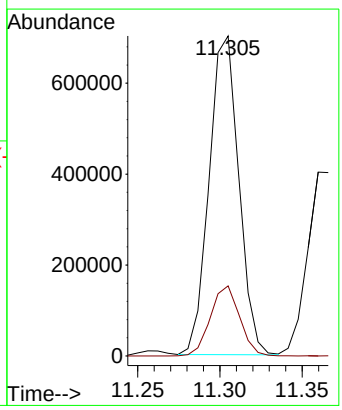


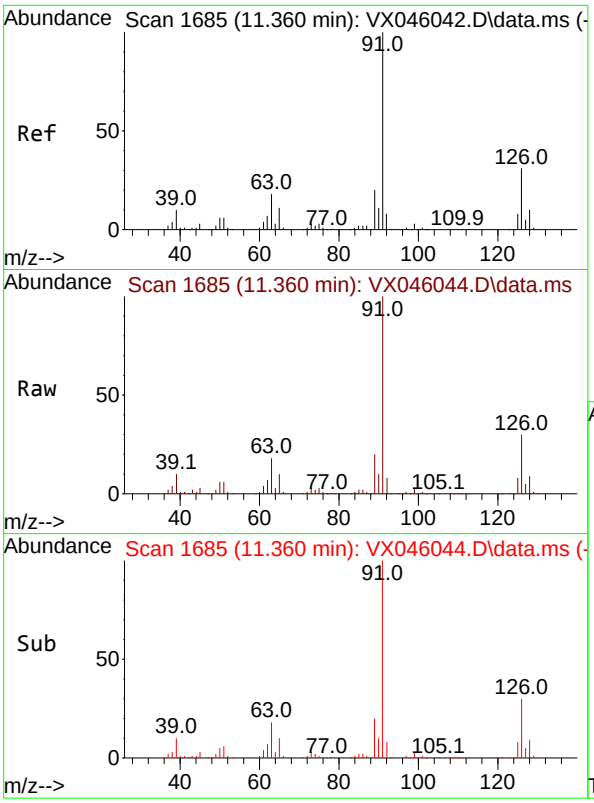




#78
n-propylbenzene
Concen: 119.448 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 881218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.7 | 10.8 | 32.4 |



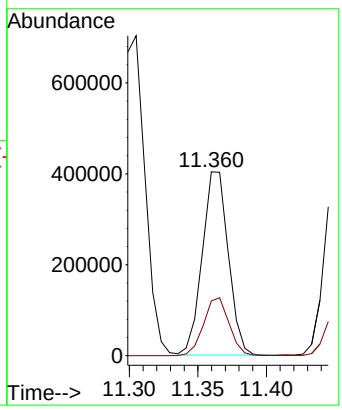


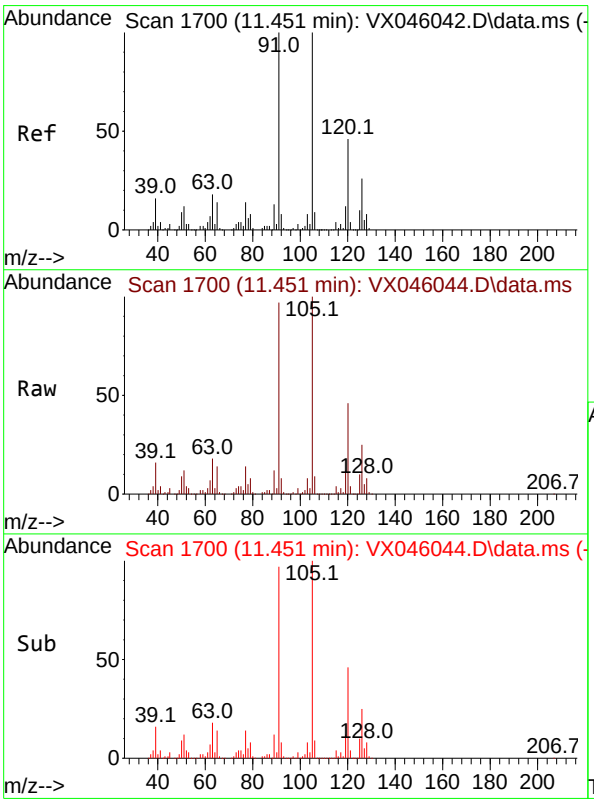

#79
2-Chlorotoluene
Concen: 107.514 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 534560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.0 | 15.6 | 46.7 |

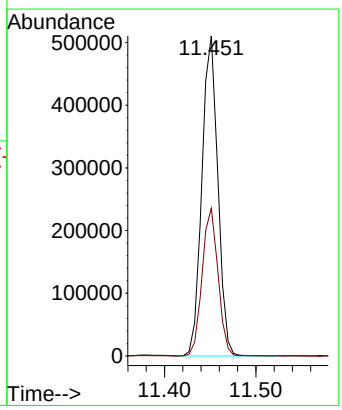


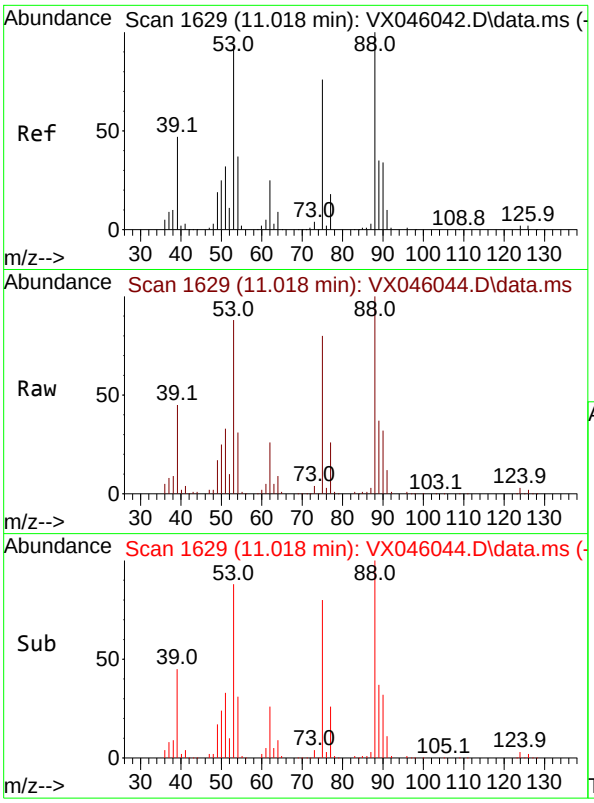




#80
1,3,5-Trimethylbenzene
Concen: 112.825 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 616477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.0 | 23.1 | 69.2 |



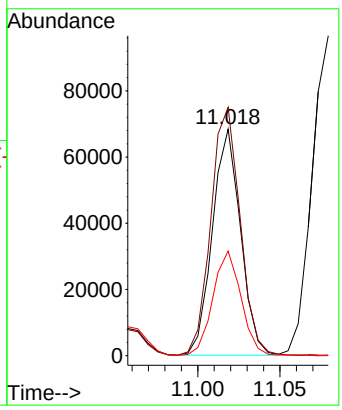


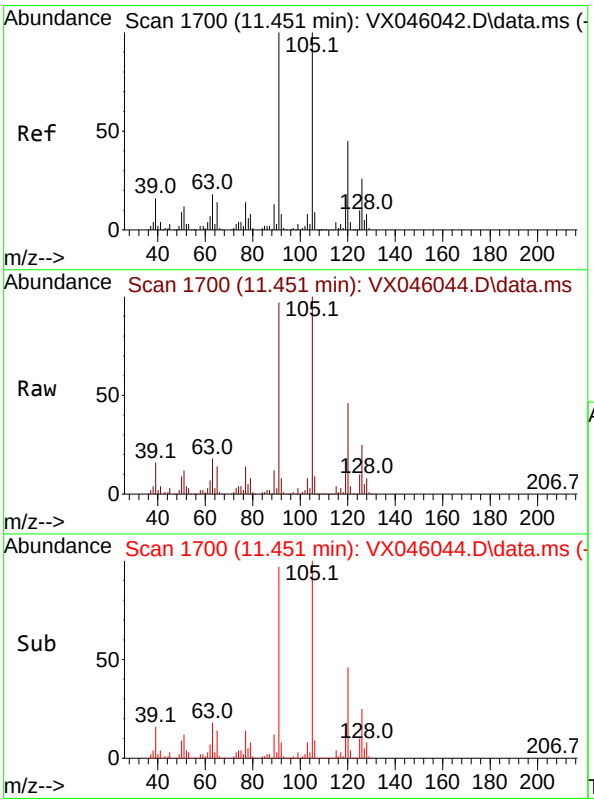

#81
trans-1,4-Dichloro-2-butene
Concen: 134.609 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 81372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 114.9 | 100.5 | 150.7 |
| 89 | 46.5 | 37.0 | 55.6 |

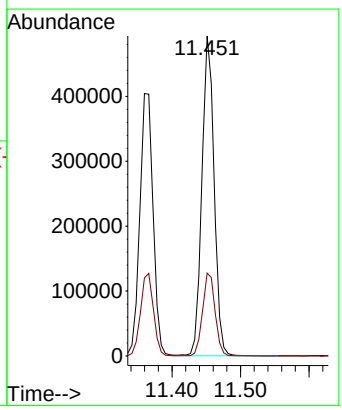


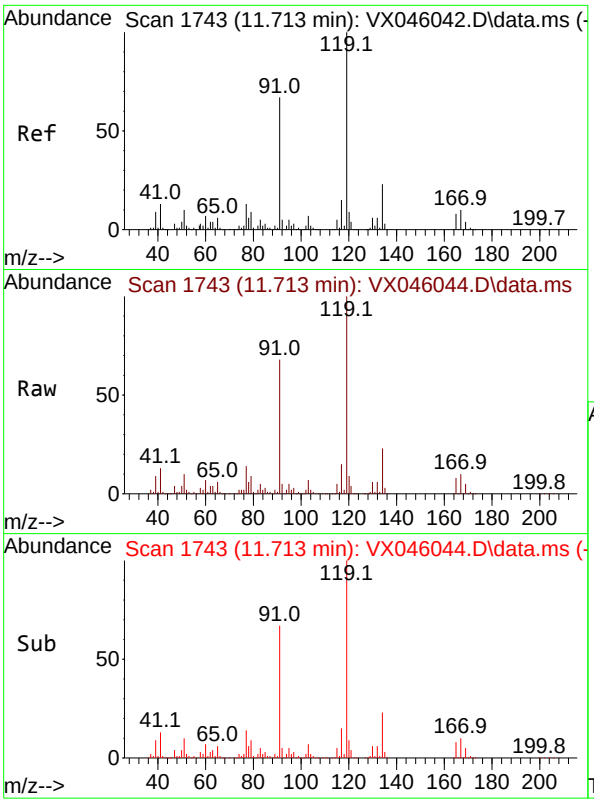




#82
4-Chlorotoluene
Concen: 111.948 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 611736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.7 | 13.3 | 39.8 |



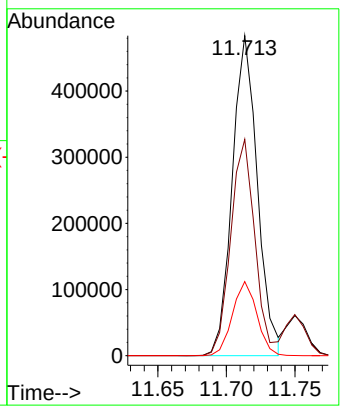


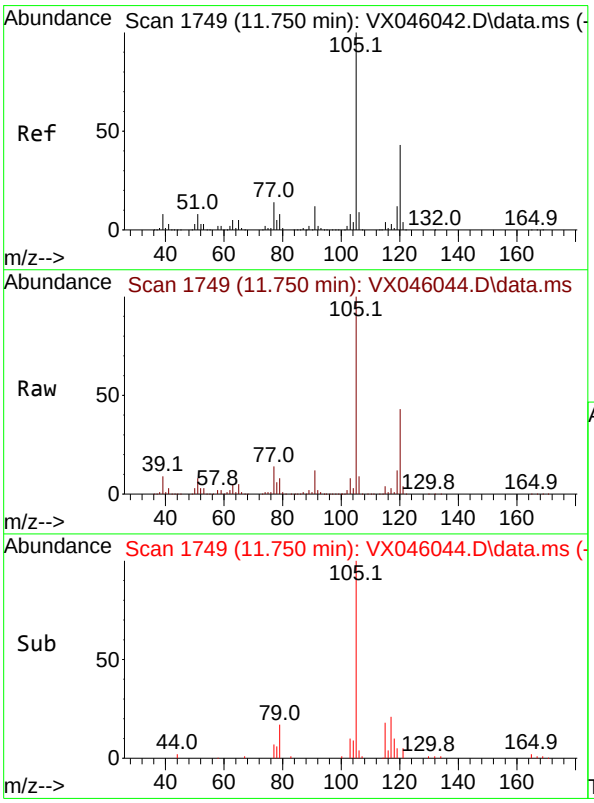

#83
tert-Butylbenzene
Concen: 115.065 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:119 Resp: 617473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.6 | 32.9 | 98.7 |
| 134 | 22.6 | 11.4 | 34.1 |

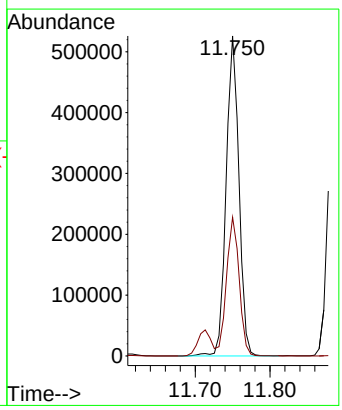


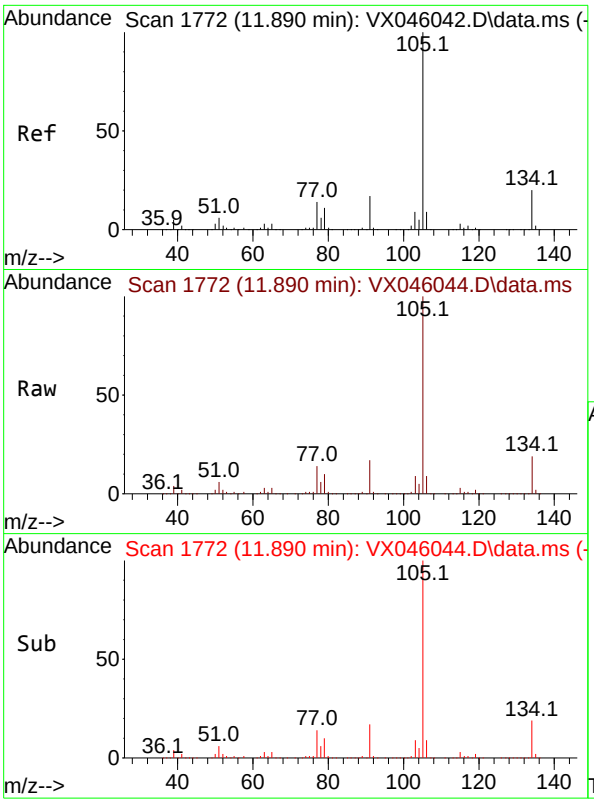




#84
1,2,4-Trimethylbenzene
Concen: 114.236 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 623456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.1 | 21.2 | 63.6 |



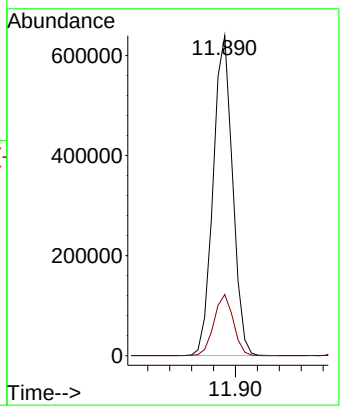


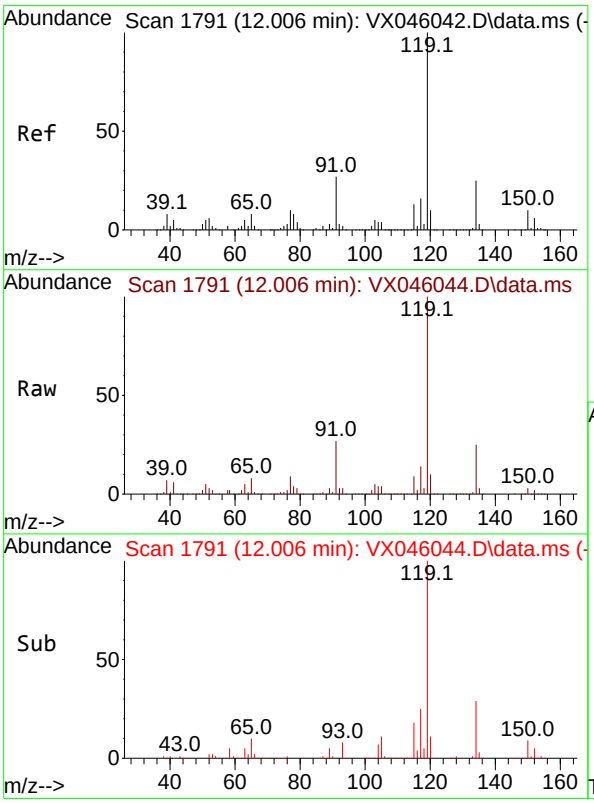

#85
sec-Butylbenzene
Concen: 118.023 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 786293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.1 | 9.7 | 29.1 |

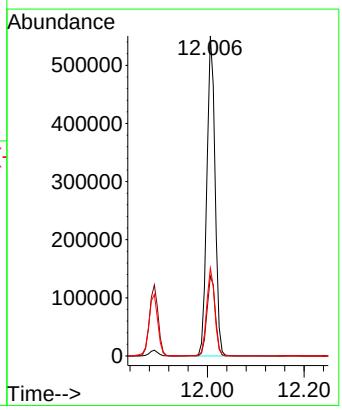


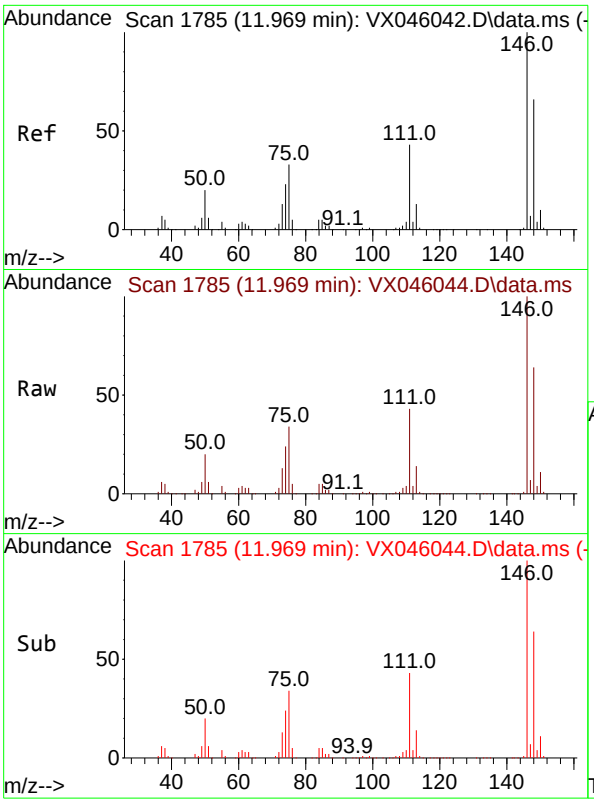




#86
p-Isopropyltoluene
Concen: 121.113 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:119 Resp: 651531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.4 | 12.5 | 37.5 |
| 91 | 27.0 | 13.8 | 41.4 |



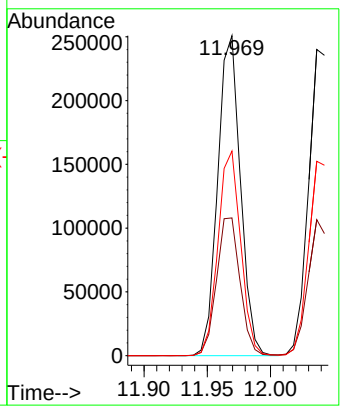


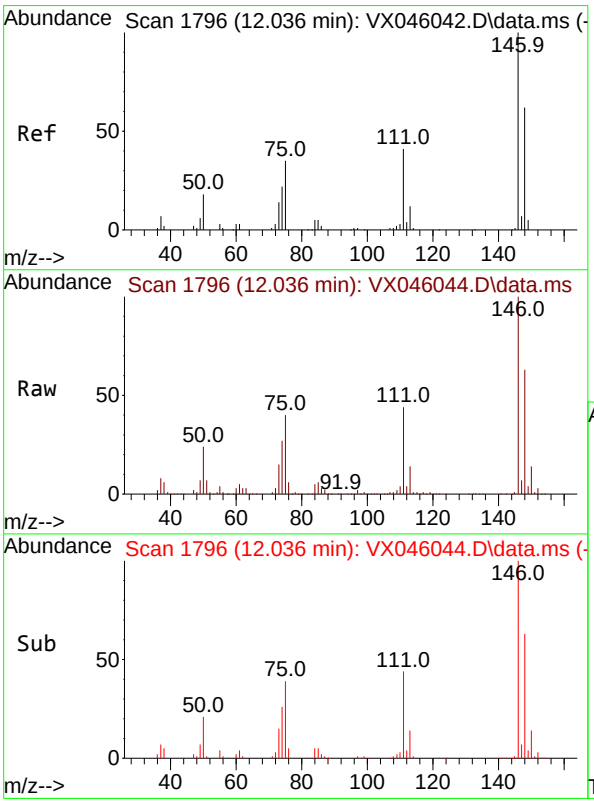

#87
1,3-Dichlorobenzene
Concen: 110.394 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 313100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.5 | 22.1 | 66.3 |
| 148 | 64.0 | 32.1 | 96.5 |

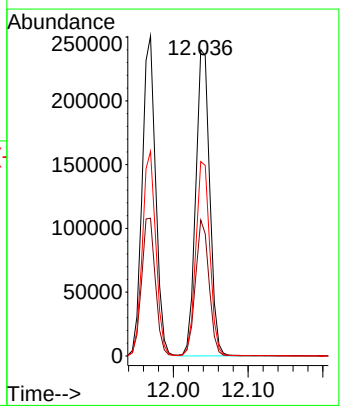


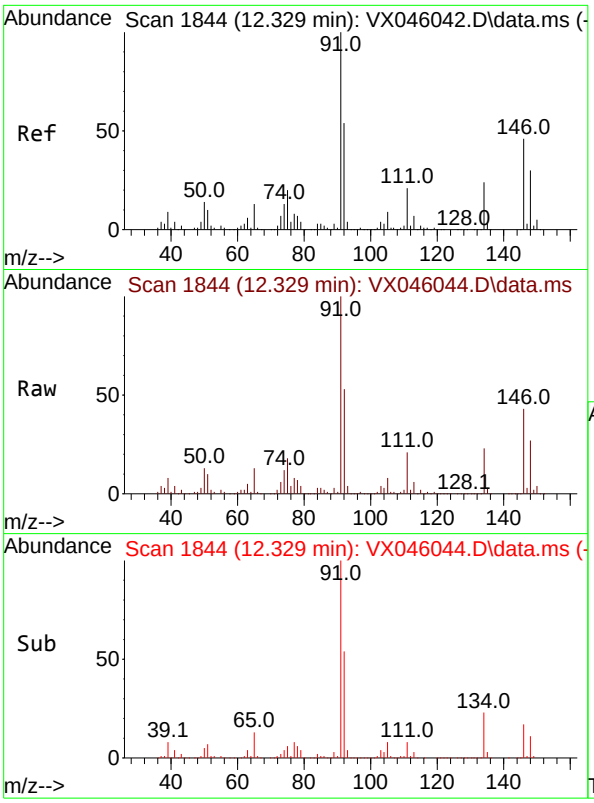




#88
1,4-Dichlorobenzene
Concen: 112.167 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:146 Resp: 311752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.3 | 63.9 |
| 148 | 63.9 | 31.9 | 95.5 |



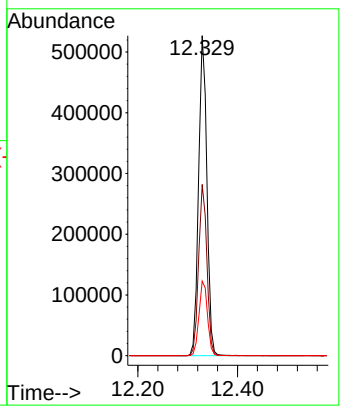


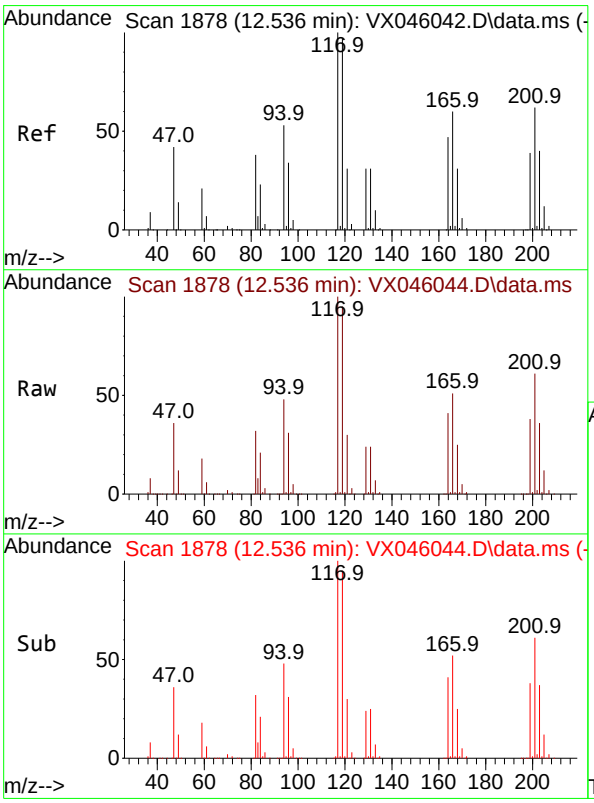

#89
n-Butylbenzene
Concen: 129.533 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 605783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 26.9 | 80.7 |
| 134 | 24.0 | 11.8 | 35.3 |

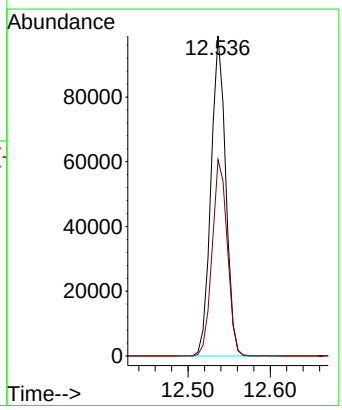


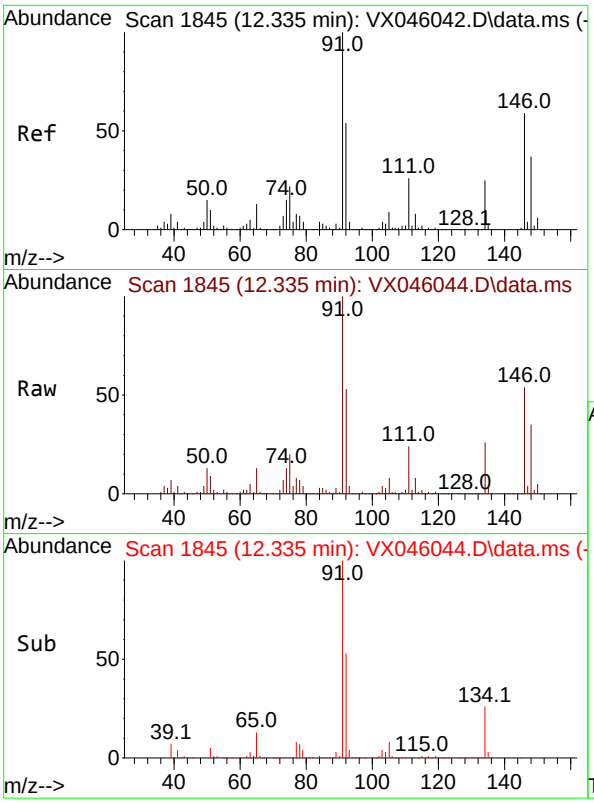




#90
Hexachloroethane
Concen: 123.091 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 123188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.2 | 31.6 | 94.7 |



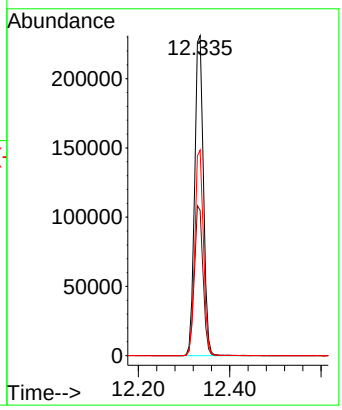


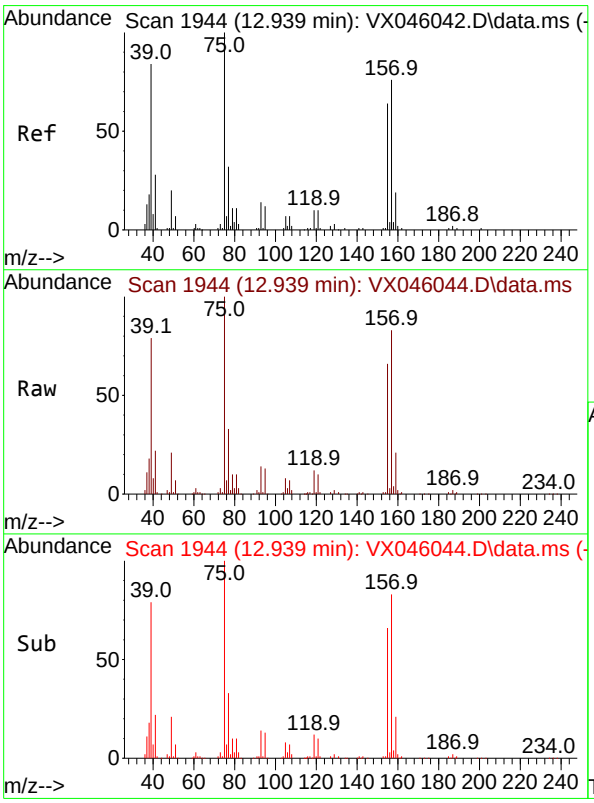

#91
1,2-Dichlorobenzene
Concen: 111.506 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 308039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.3 | 22.4 | 67.3 |
| 148 | 63.6 | 31.6 | 94.8 |

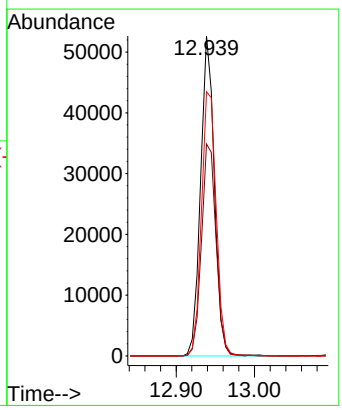


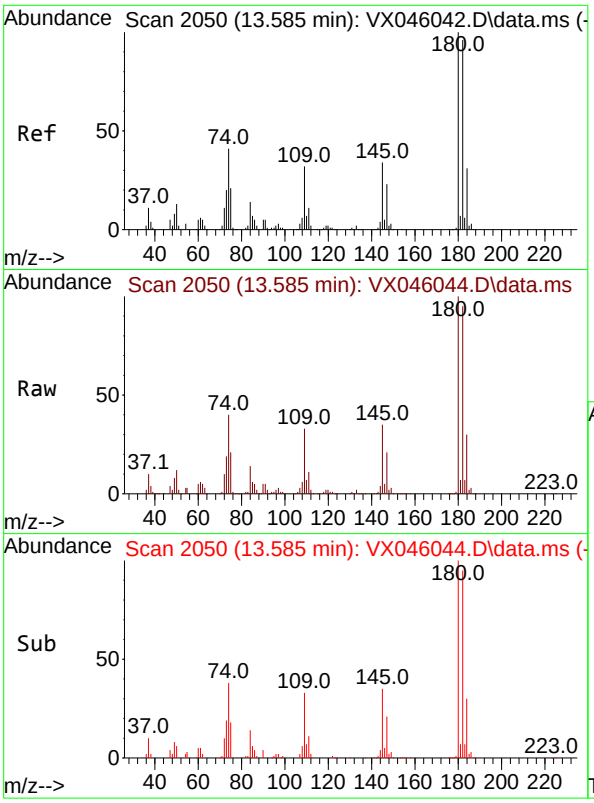




#92
1,2-Dibromo-3-Chloropropane
Concen: 120.915 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 64438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 69.6 | 34.9 | 104.8 |
| 157 | 88.4 | 43.8 | 131.4 |



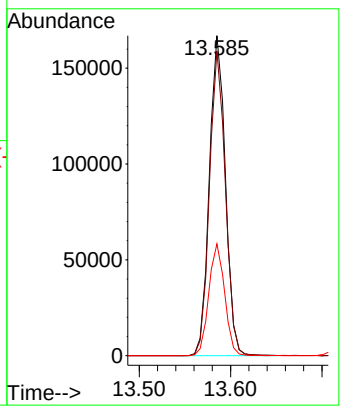


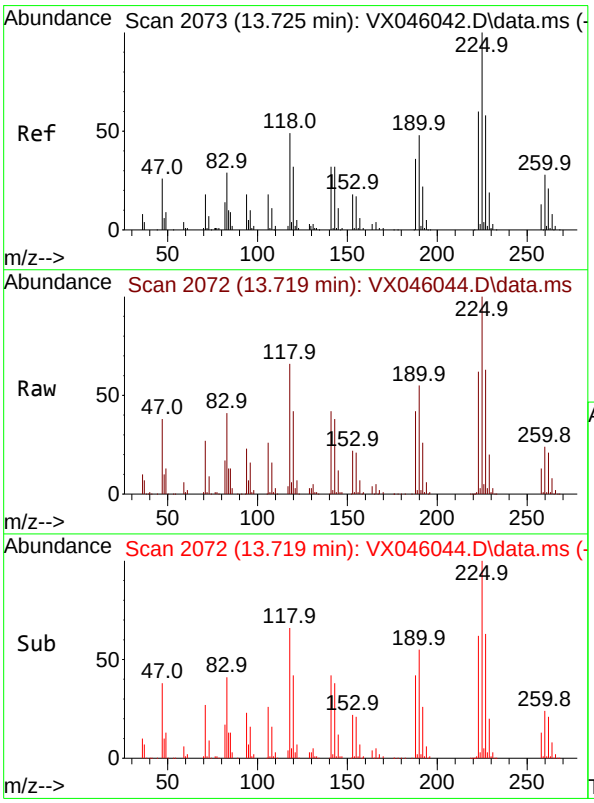

#93
1,2,4-Trichlorobenzene
Concen: 134.366 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:180 Resp: 203255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.1 | 47.9 | 143.8 |
| 145 | 34.5 | 17.1 | 51.2 |

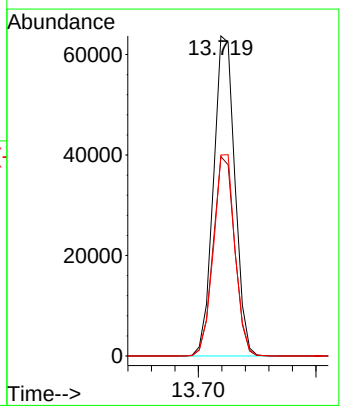


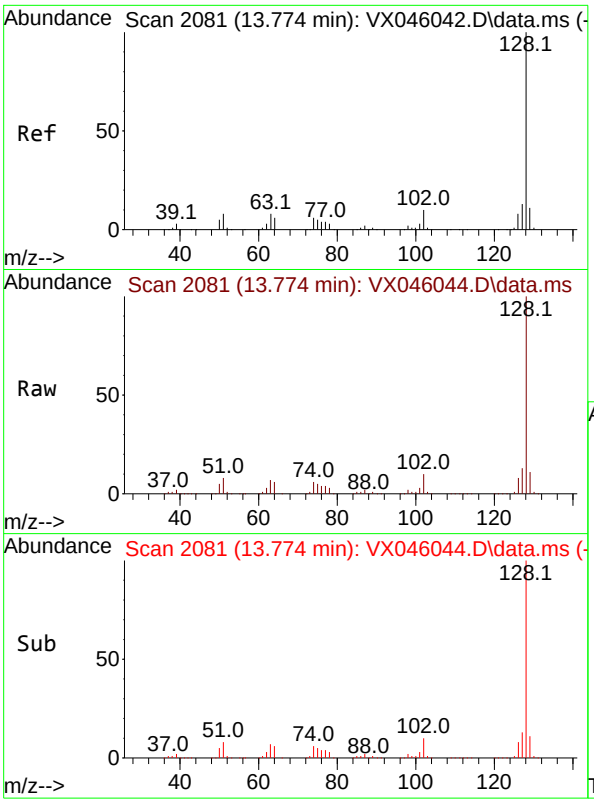




#94
Hexachlorobutadiene
Concen: 113.857 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:225 Resp: 80558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 30.8 | 92.4 |
| 227 | 63.1 | 30.9 | 92.7 |



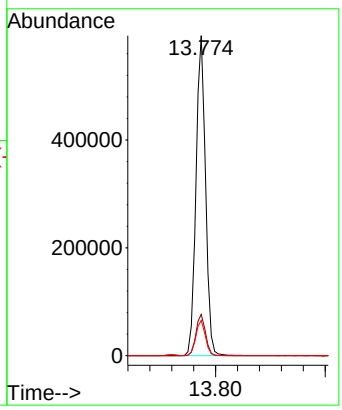


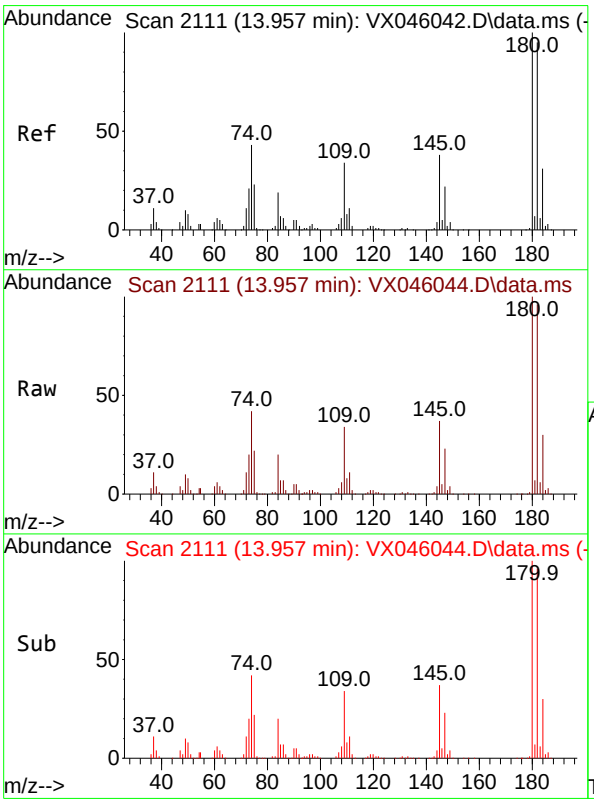

#95
Naphthalene
Concen: 130.929 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:128 Resp: 721236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.4 | 15.6 |
| 129 | 11.0 | 8.6 | 13.0 |

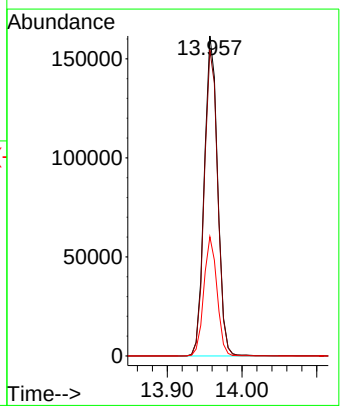



#96
1,2,3-Trichlorobenzene
Concen: 126.331 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:180 Resp: 200379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 47.8 | 143.3 |
| 145 | 36.7 | 18.1 | 54.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 96964 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 168484 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 147167 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 67939 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 9067 | 3.143 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 6.280%# | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 5969 | 3.161 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 6.320%# | | |
| 50) Toluene-d8 | 8.647 | 98 | 20566 | 3.232 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 6.460%# | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 7822 | 3.378 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 6.760%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 6195 | 2.894 | ug/l | 95 |
| 3) Chloromethane | 1.307 | 50 | 6587 | 3.125 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 5999 | 3.249 | ug/l | 96 |
| 5) Bromomethane | 1.593 | 94 | 2962 | 3.164 | ug/l | 88 |
| 6) Chloroethane | 1.666 | 64 | 3567 | 3.750 | ug/l | 94 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 9599 | 3.413 | ug/l | 88 |
| 8) Diethyl Ether | 2.130 | 74 | 3020 | 3.266 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 5911 | 3.517 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 5900 | 2.990 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.965 | 59 | 5539 | 16.111 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 5496 | 3.359 | ug/l | 97 |
| 13) Acrolein | 2.233 | 56 | 5673 | 14.206 | ug/l | 95 |
| 14) Allyl chloride | 2.654 | 41 | 10262 | 3.319 | ug/l | 98 |
| 15) Acrylonitrile | 3.062 | 53 | 16746 | 16.282 | ug/l | 97 |
| 16) Acetone | 2.380 | 43 | 19773 | 20.036 | ug/l | 98 |
| 17) Carbon Disulfide | 2.501 | 76 | 11068 | 2.919 | ug/l | 96 |
| 18) Methyl Acetate | 2.703 | 43 | 7909 | 3.357 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 18497 | 3.241 | ug/l | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 6680 | 3.341 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 5402 | 3.234 | ug/l | 100 |
| 22) Diisopropyl ether | 3.751 | 45 | 18657 | 3.230 | ug/l # | 65 |
| 23) Vinyl Acetate | 3.715 | 43 | 82328 | 16.127 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 11193 | 3.297 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 26125 | 18.340 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 8245 | 3.205 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 6222 | 3.089 | ug/l | 95 |
| 28) Bromochloromethane | 4.891 | 49 | 5360 | 2.969 | ug/l # | 100 |
| 29) Tetrahydrofuran | 5.001 | 42 | 15431 | 16.680 | ug/l | 98 |
| 30) Chloroform | 5.080 | 83 | 11624 | 3.294 | ug/l | 89 |
| 31) Cyclohexane | 5.458 | 56 | 10269 | 3.588 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 9827 | 3.229 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 7787 | 3.551 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 9021 | 3.279 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.659 | 117 | 8505 | 3.376 | ug/l | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 9882 | 3.597 | ug/l | 93 |
| 40) Benzene | 6.031 | 78 | 22528 | 3.315 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 4851 | 3.174 | ug/l | # | 65 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 10011 | 3.563 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.348 | 43 | 13914 | 3.309 | ug/l | | 96 |
| 44) Trichloroethene | 7.123 | 130 | 5313 | 3.307 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 5451 | 3.228 | ug/l | # | 89 |
| 46) Dibromomethane | 7.580 | 93 | 4417 | 3.318 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.818 | 83 | 8394 | 3.254 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.696 | 41 | 7171 | 3.321 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.659 | 88 | 2907 | 67.721 | ug/l | | 96 |
| 51) 4-Methyl-2-Pentanone | 8.567 | 43 | 46794 | 16.967 | ug/l | | 98 |
| 52) Toluene | 8.714 | 92 | 14126 | 3.505 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 6834 | 3.155 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 7908 | 3.129 | ug/l | | 91 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 5685 | 3.490 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 8555 | 3.390 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 10127 | 3.508 | ug/l | | 94 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 20809 | 18.346 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 34853 | 16.651 | ug/l | | 97 |
| 60) Dibromochloromethane | 9.518 | 129 | 5500 | 3.102 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 5614 | 3.356 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 4752 | 3.162 | ug/l | | 96 |
| 65) Chlorobenzene | 10.079 | 112 | 15391 | 3.399 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 5024 | 3.326 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 26732 | 3.463 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 19957 | 7.156 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 9398 | 3.343 | ug/l | | 95 |
| 70) Styrene | 10.652 | 104 | 14900 | 3.312 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 3470 | 3.059 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 24201 | 3.266 | ug/l | | 98 |
| 74) N-amyl acetate | 10.841 | 43 | 11224 | 3.038 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 9170 | 3.479 | ug/l | | 97 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 8548 | 3.018 | ug/l | | 95 |
| 77) Bromobenzene | 11.195 | 156 | 5857 | 3.417 | ug/l | | 96 |
| 78) n-propylbenzene | 11.299 | 91 | 28436 | 3.424 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 18672 | 3.336 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 20742 | 3.372 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 1828 | 2.686 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 19966 | 3.245 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 21049 | 3.484 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 20613 | 3.355 | ug/l | | 97 |
| 85) sec-Butylbenzene | 11.890 | 105 | 25590 | 3.412 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 20955 | 3.460 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 10585 | 3.315 | ug/l | | 97 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 10908 | 3.486 | ug/l | | 90 |
| 89) n-Butylbenzene | 12.329 | 91 | 18004 | 3.419 | ug/l | | 94 |
| 90) Hexachloroethane | 12.536 | 117 | 3553 | 3.153 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 10712 | 3.444 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 1687 | 2.812 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 5720 | 3.359 | ug/l | | 96 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 2816 | 3.535 | ug/l | | 96 |
| 95) Naphthalene | 13.774 | 128 | 19902 | 3.209 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 5745 | 3.217 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

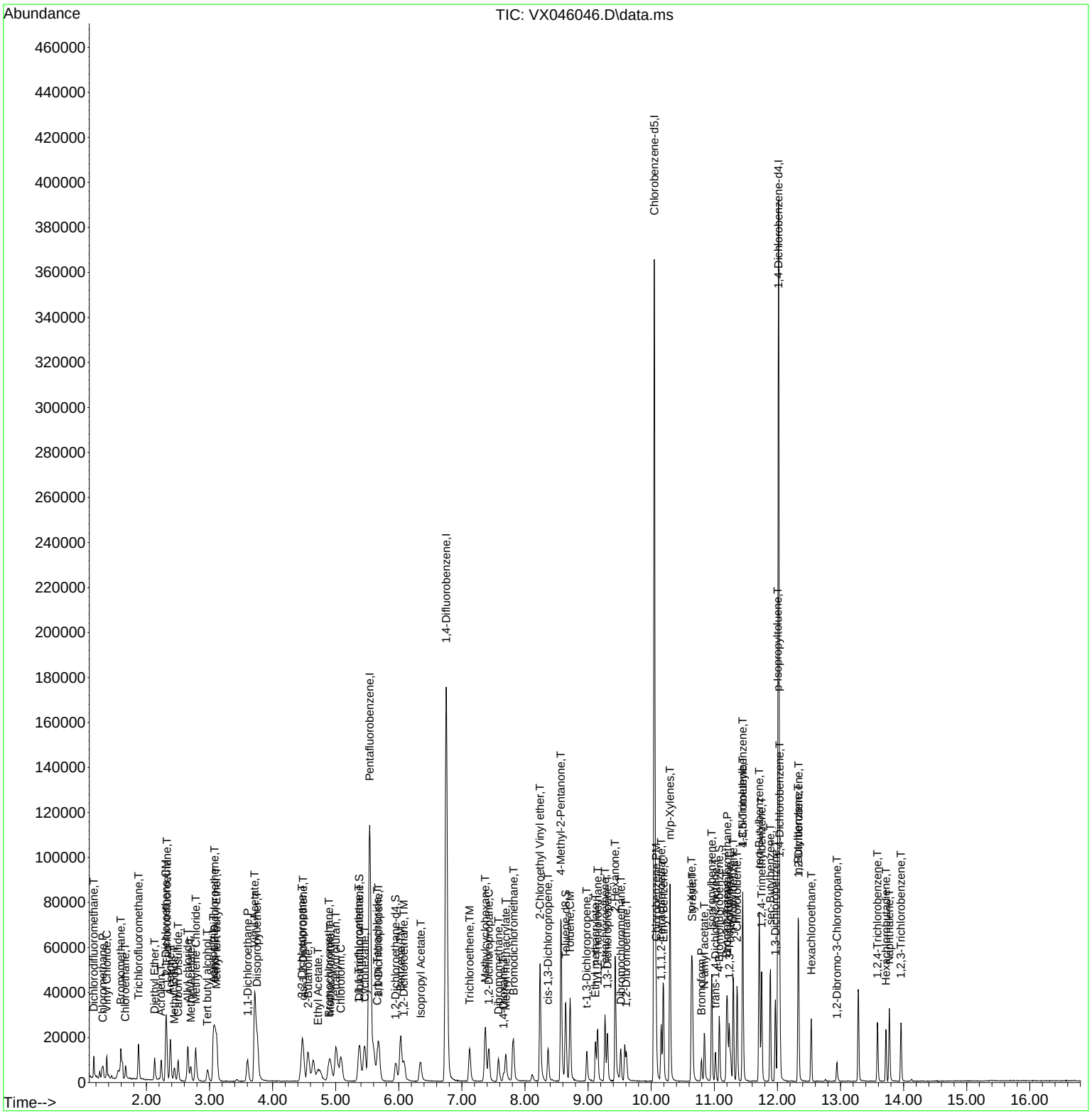
(#) = qualifier out of range (m) = manual integration (+) = signals summed

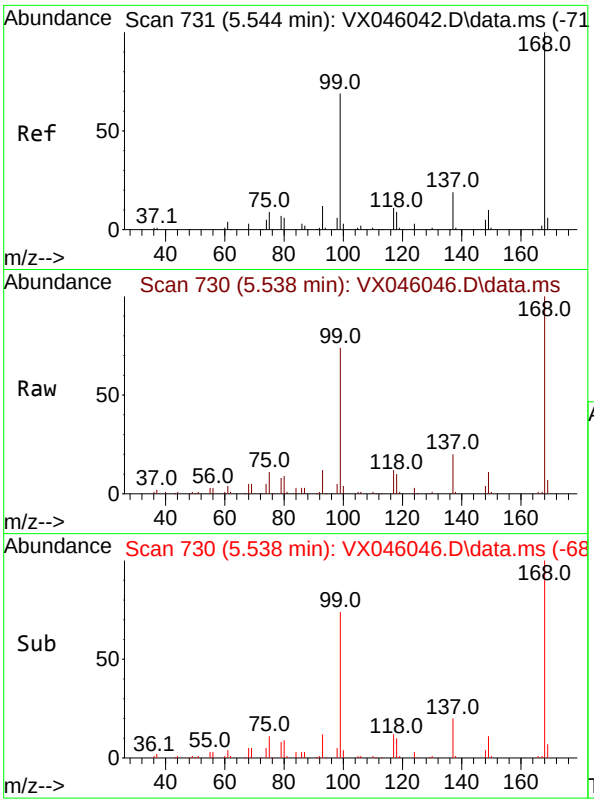
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



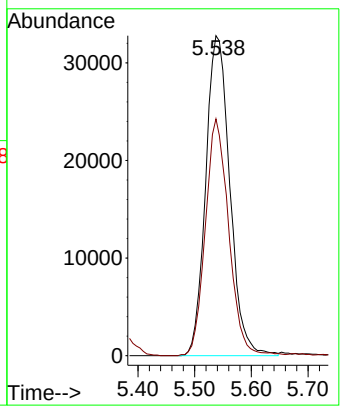


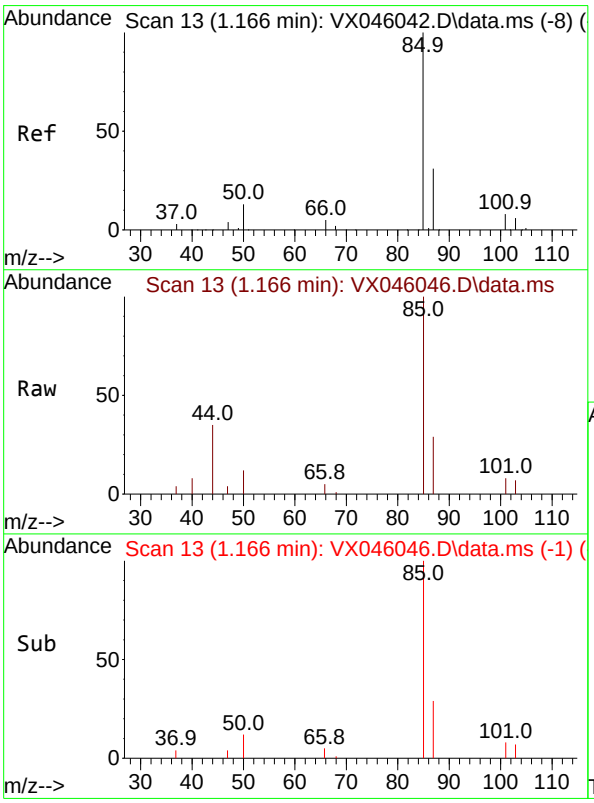

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:168 Resp: 96964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 74.0 | 54.9 | 82.3 |

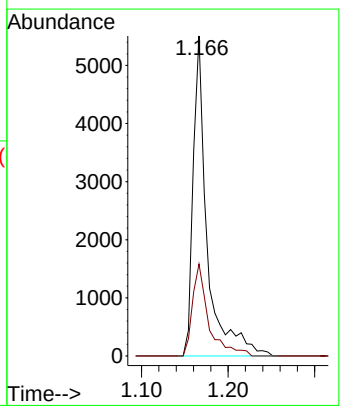


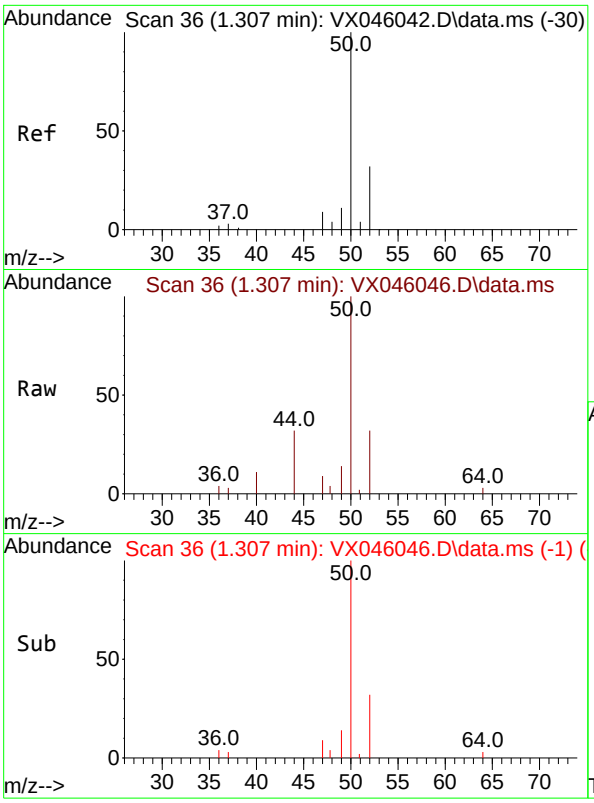




#2
Dichlorodifluoromethane
Concen: 2.894 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 85 Resp: 6195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 28.7 | 15.7 | 47.1 |



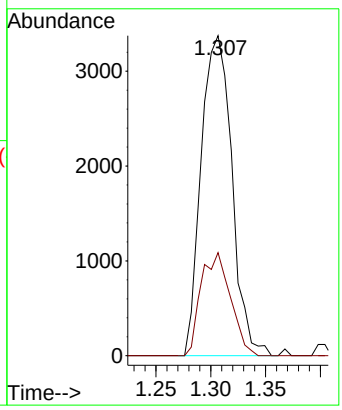


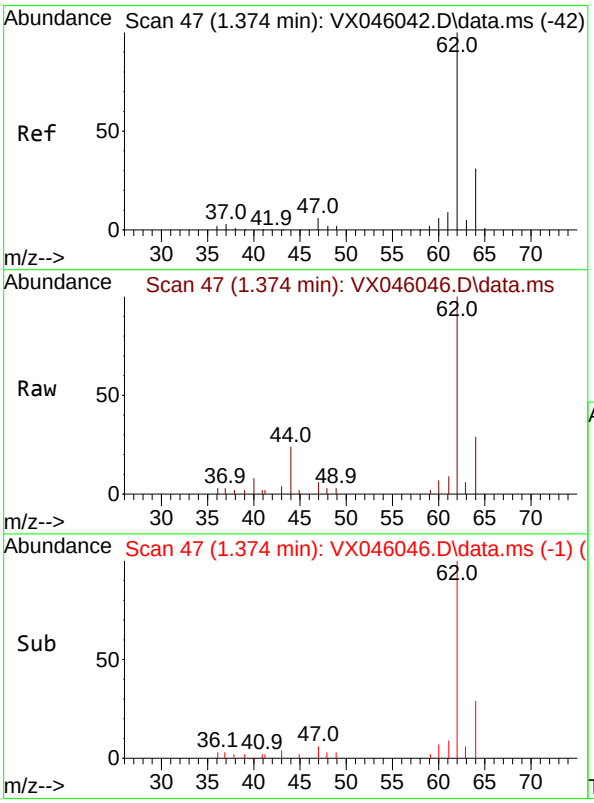

#3
Chloromethane
Concen: 3.125 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 50 Resp: 6587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 25.4 | 38.2 |

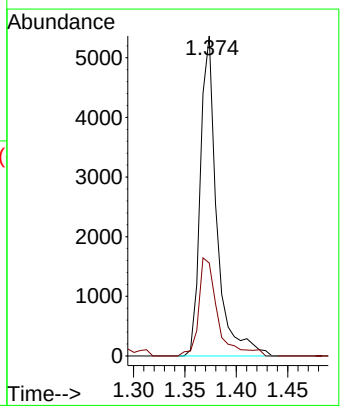


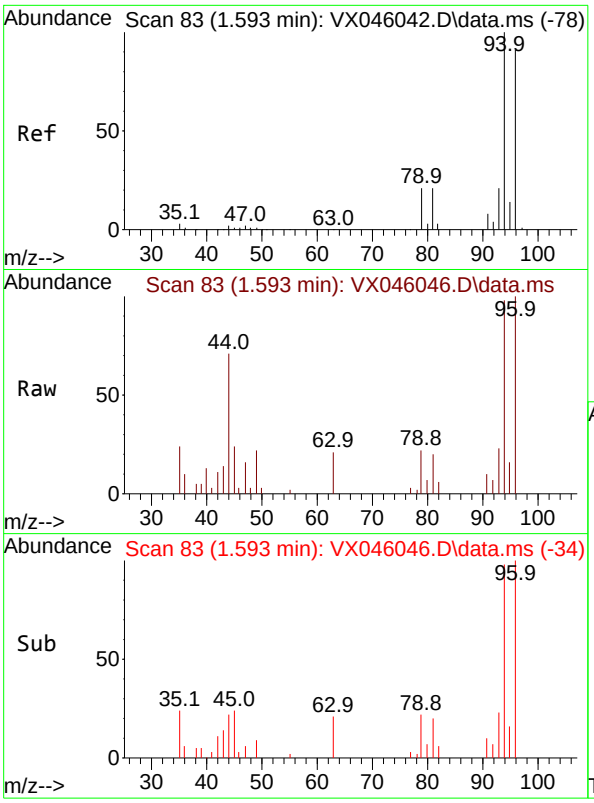




#4
Vinyl Chloride
Concen: 3.249 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 5999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.1 | 25.2 | 37.8 |



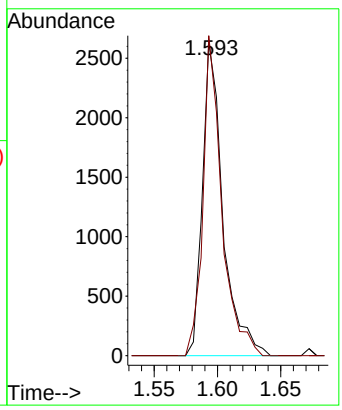


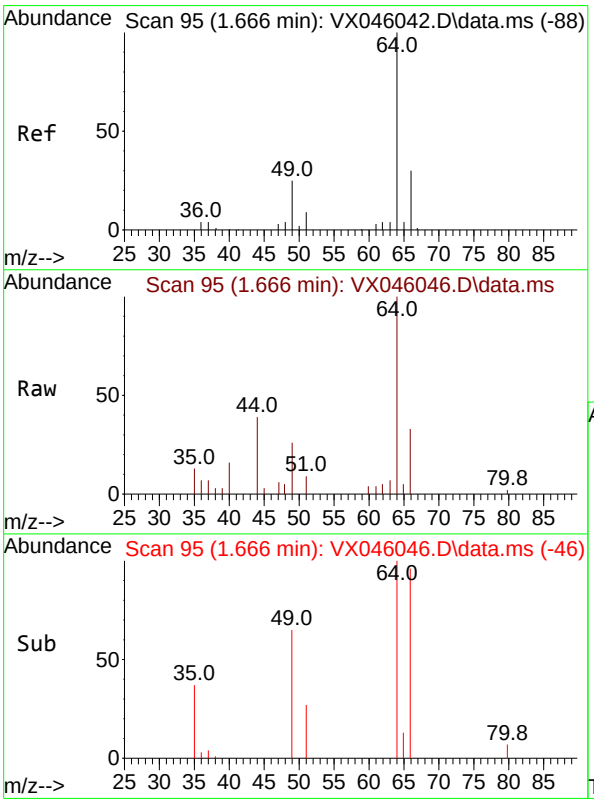

#5
Bromomethane
Concen: 3.164 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 94 Resp: 2962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 102.2 | 72.8 | 109.2 |

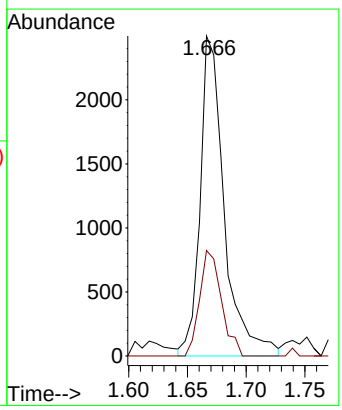


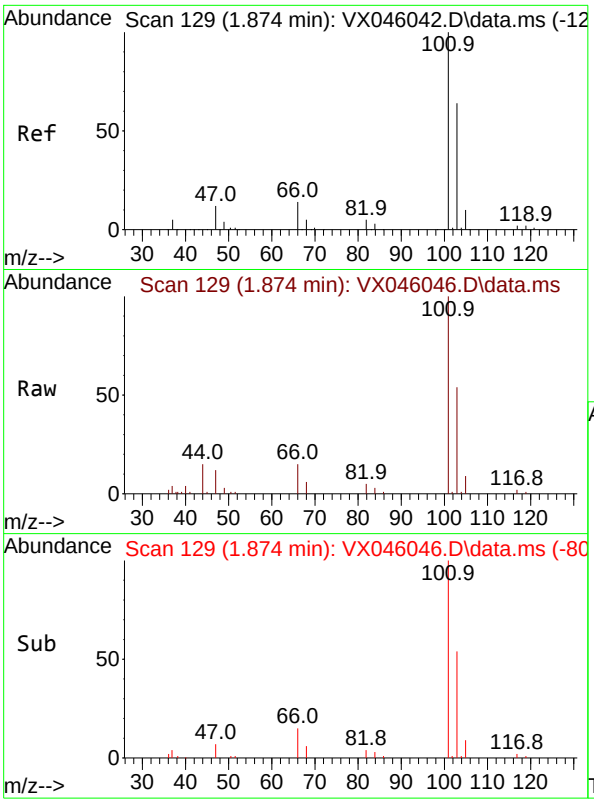




#6
Chloroethane
Concen: 3.750 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 64 Resp: 3567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.7 | 24.3 | 36.5 |



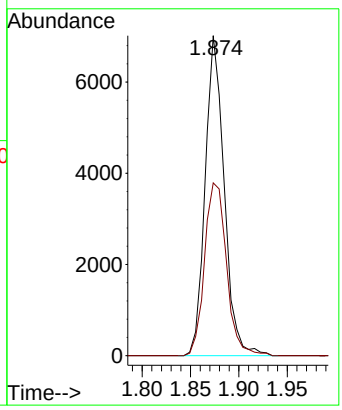


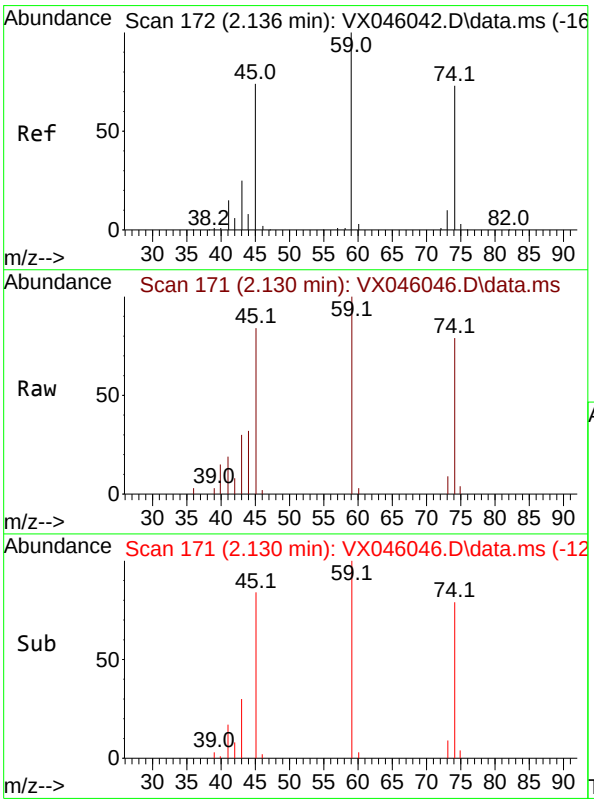

#7
Trichlorofluoromethane
Concen: 3.413 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:101 Resp: 9599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 54.0 | 51.0 | 76.4 |

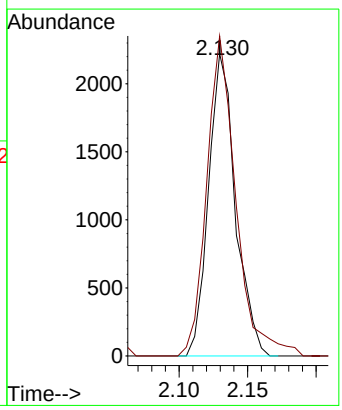


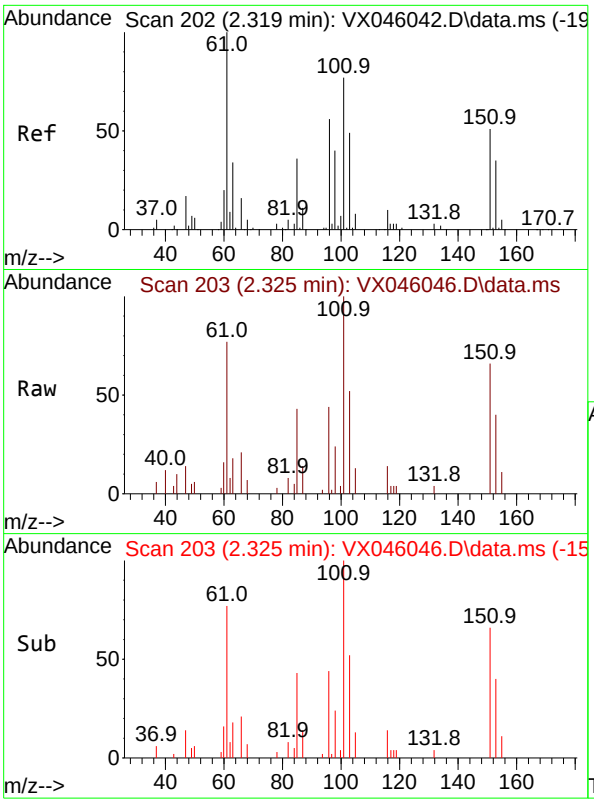




#8
Diethyl Ether
Concen: 3.266 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 74 Resp: 3020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 115.1 | 54.9 | 164.8 |



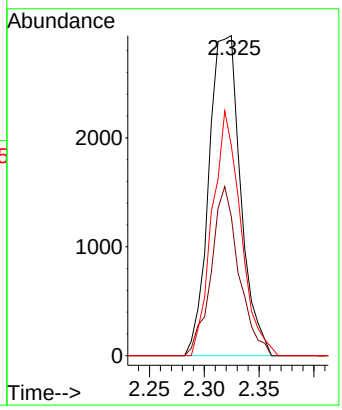


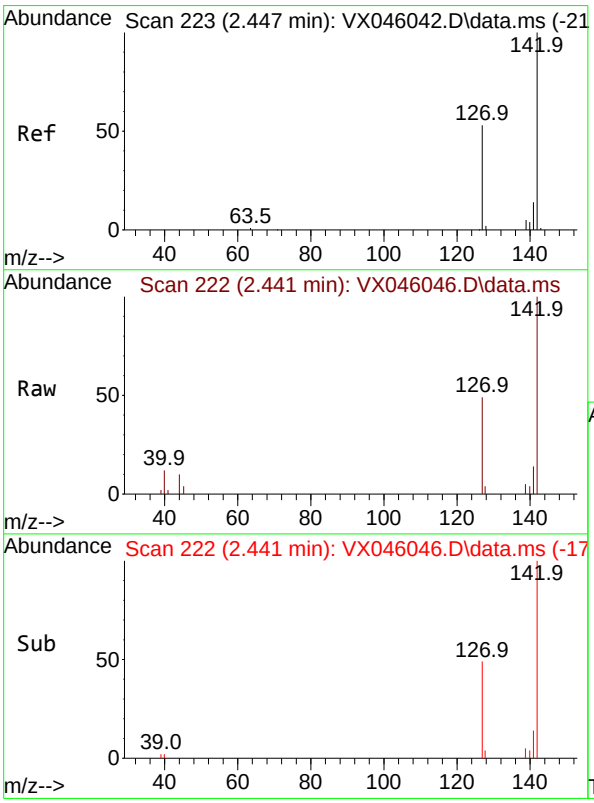

#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.517 ug/l
RT: 2.325 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:101 Resp: 5911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 38.6 | 58.0 |
| 151 | 68.8 | 55.2 | 82.8 |

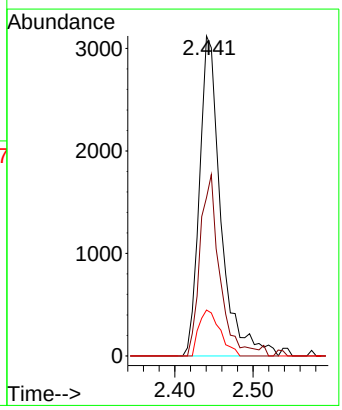


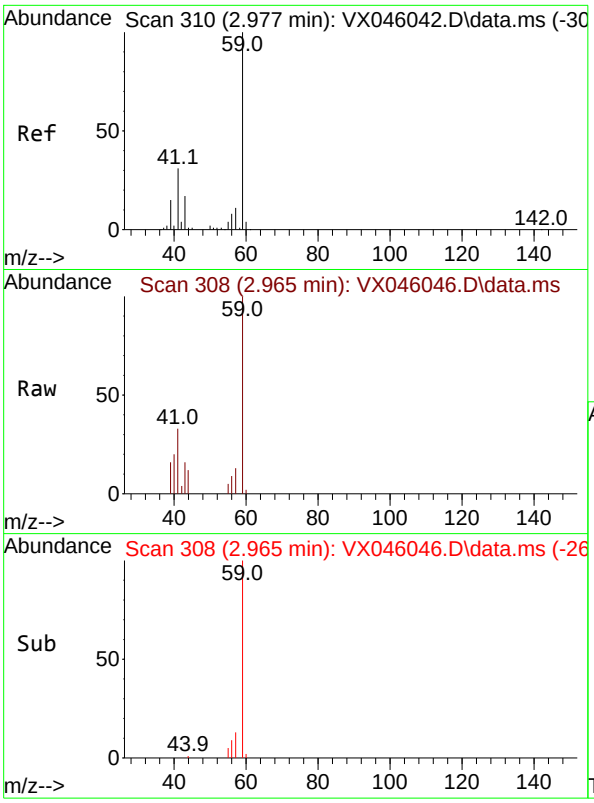




#10
Methyl Iodide
Concen: 2.990 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:142 Resp: 5900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.8 | 41.7 | 62.5 |
| 141 | 14.3 | 11.5 | 17.3 |



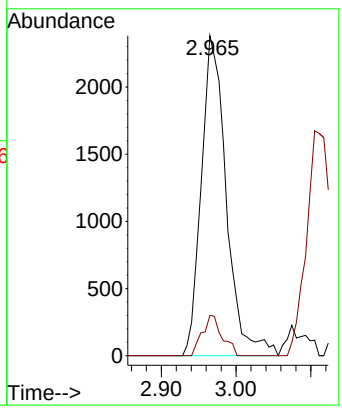


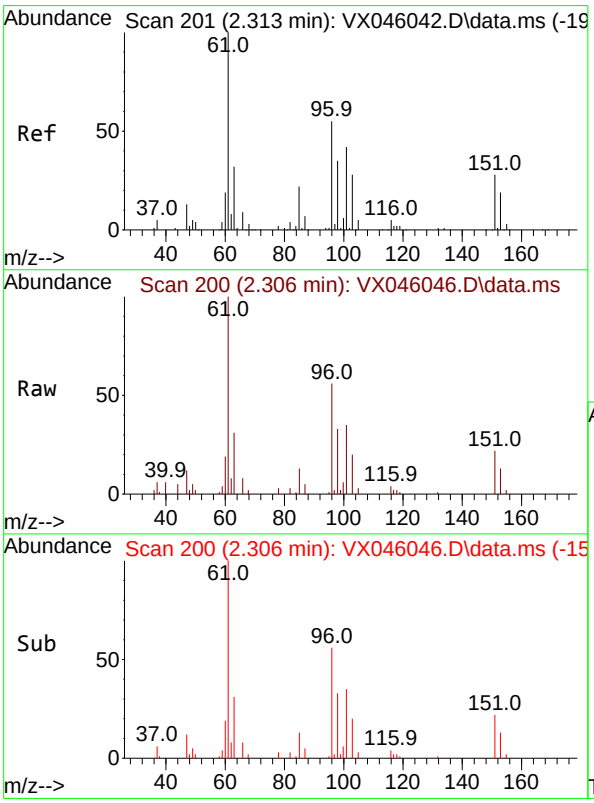

#11
Tert butyl alcohol
Concen: 16.111 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 59 Resp: 5539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.0 | 8.6 | 12.8 |

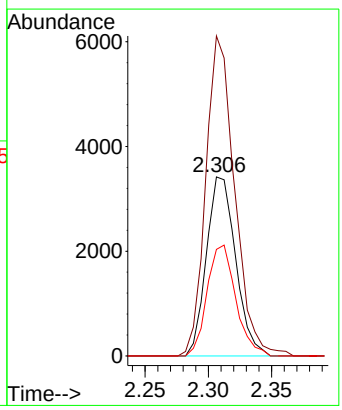


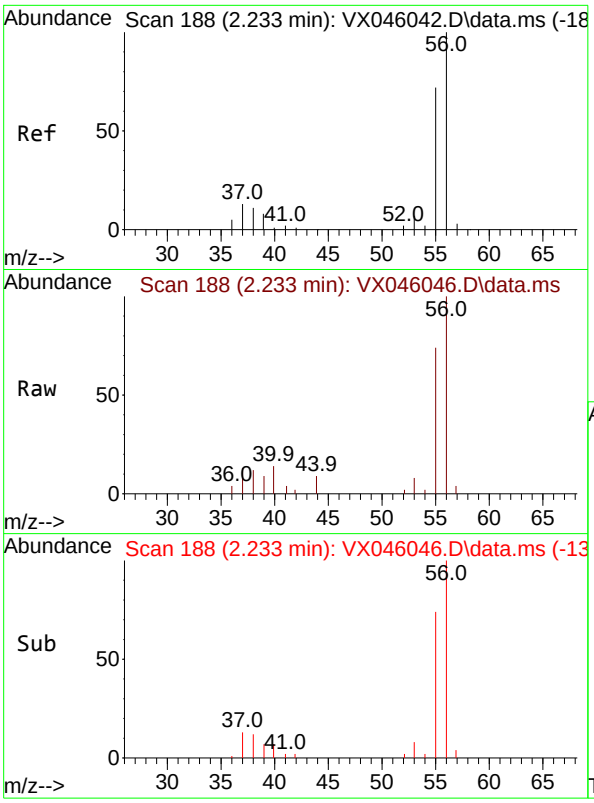




#12
1,1-Dichloroethene
Concen: 3.359 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 5496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 178.7 | 146.2 | 219.2 |
| 98 | 59.5 | 51.0 | 76.6 |



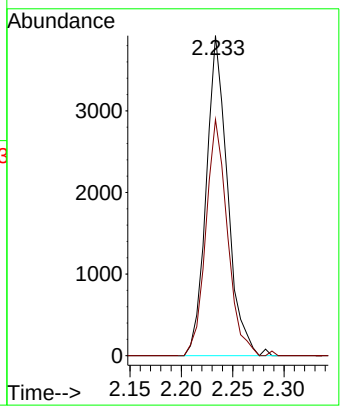


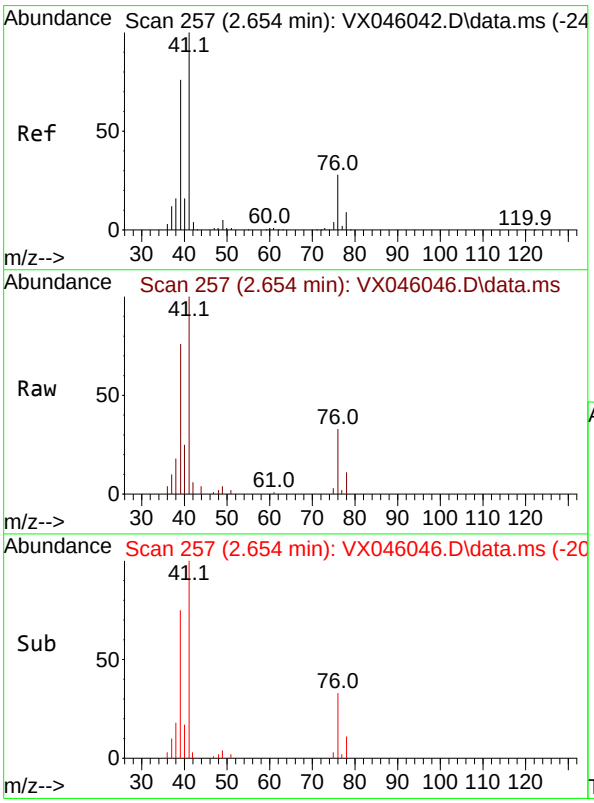

#13
Acrolein
Concen: 14.206 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 56 Resp: 5673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 74.5 | 56.2 | 84.4 |

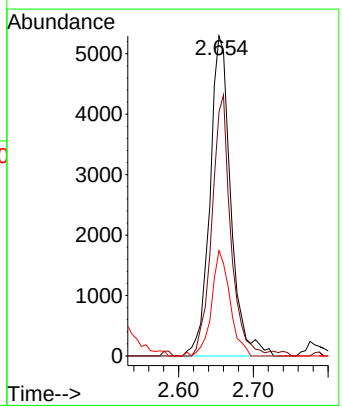


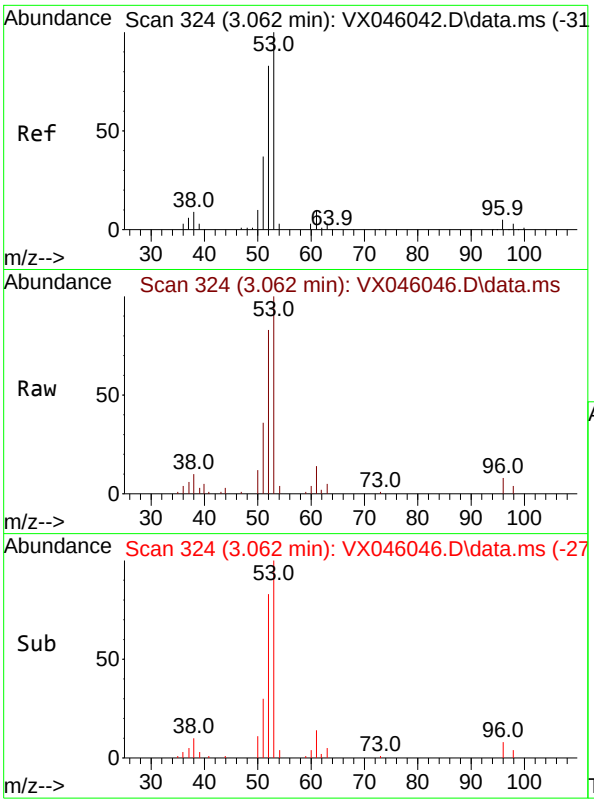




#14
Allyl chloride
Concen: 3.319 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 10262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.1 | 60.6 | 90.8 |
| 76 | 29.1 | 24.9 | 37.3 |



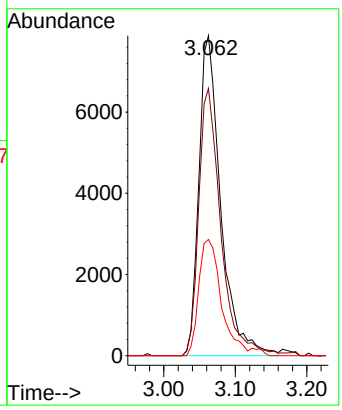


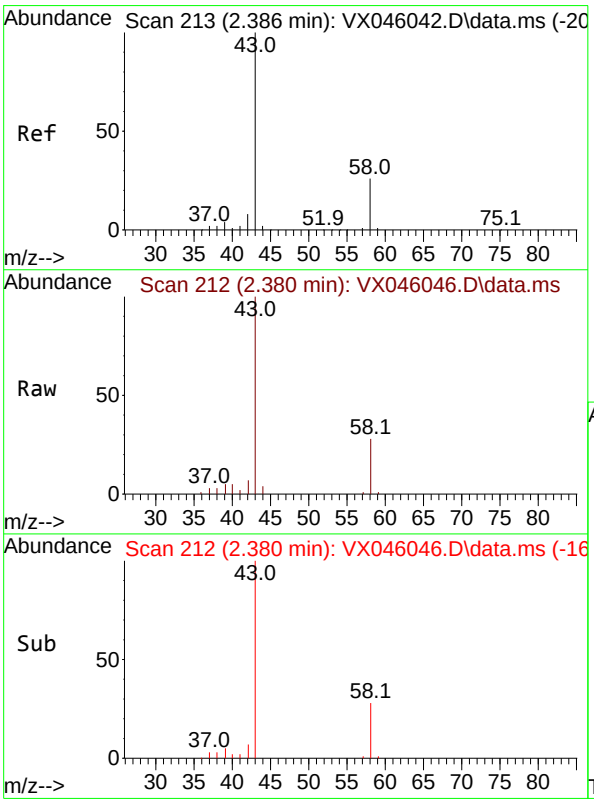

#15
Acrylonitrile
Concen: 16.282 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 53 Resp: 16746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.3 | 65.3 | 97.9 |
| 51 | 38.5 | 29.8 | 44.8 |

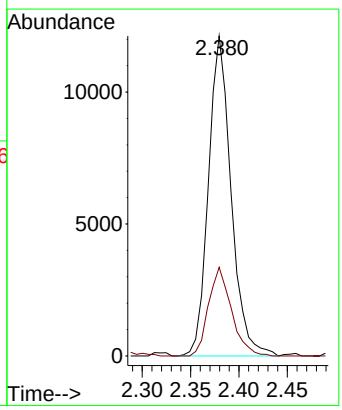


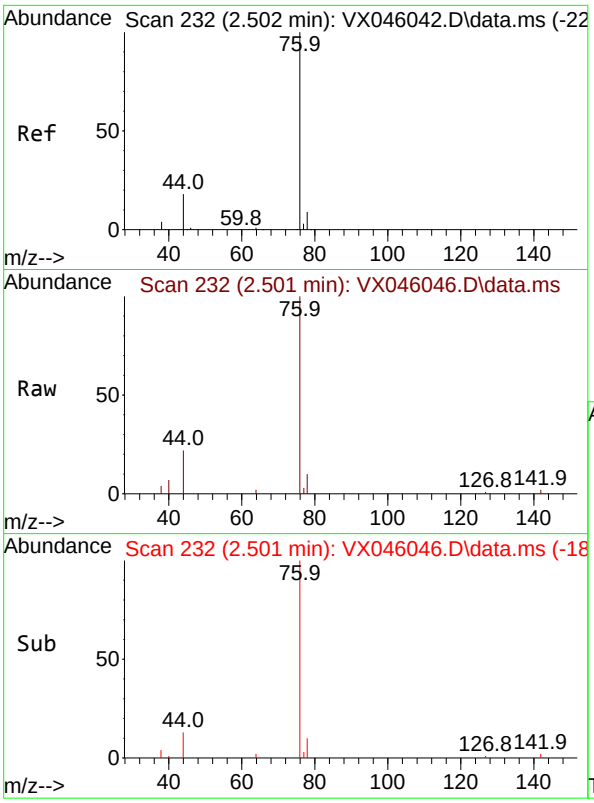




#16
Acetone
Concen: 20.036 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 19773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.7 | 21.2 | 31.8 |



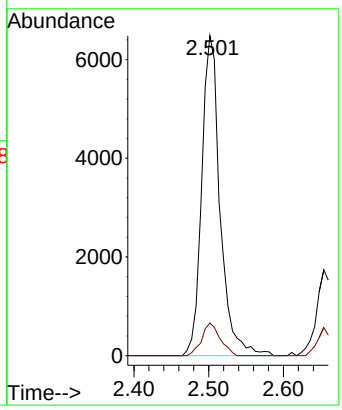


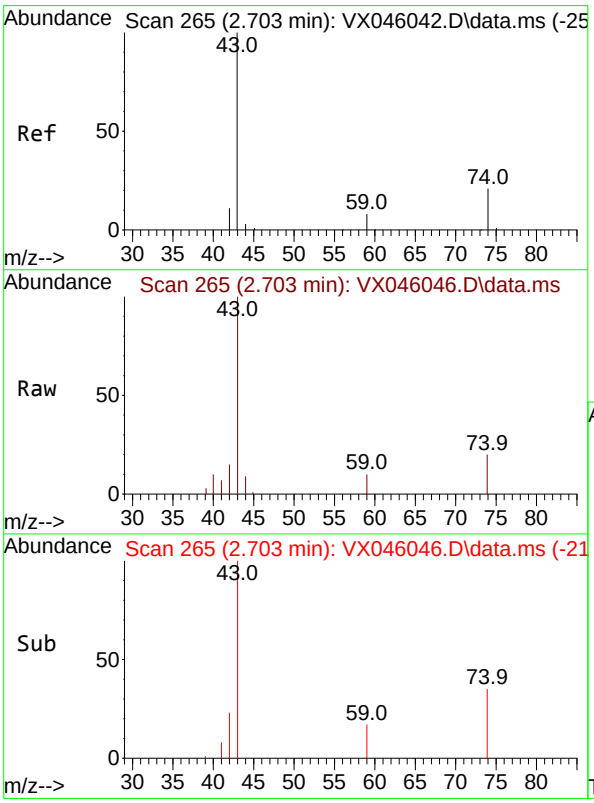

#17
Carbon Disulfide
Concen: 2.919 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 76 Resp: 11068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.2 | 7.0 | 10.4 |

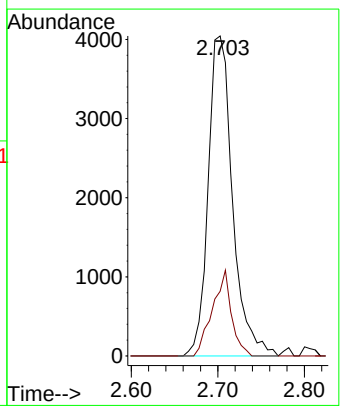


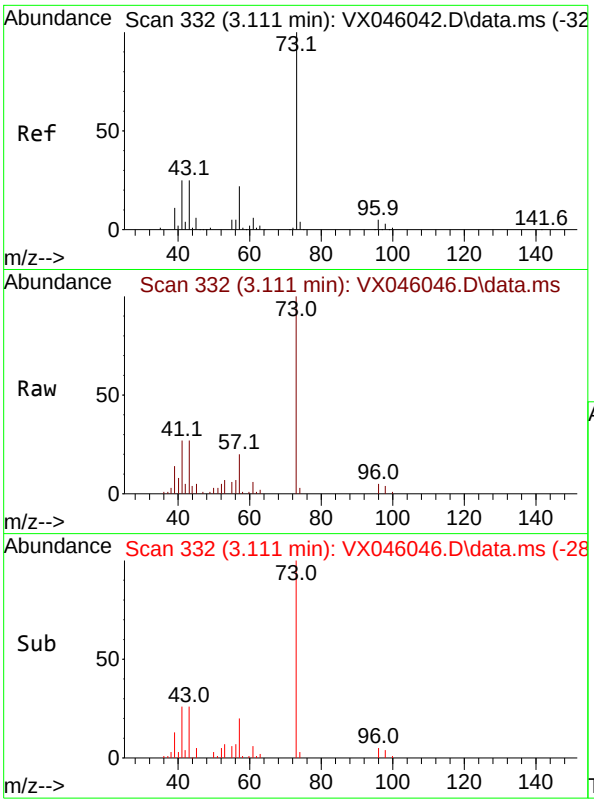




#18
Methyl Acetate
Concen: 3.357 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 7909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.9 | 16.7 | 25.1 |



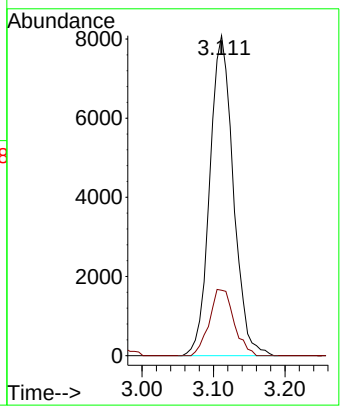


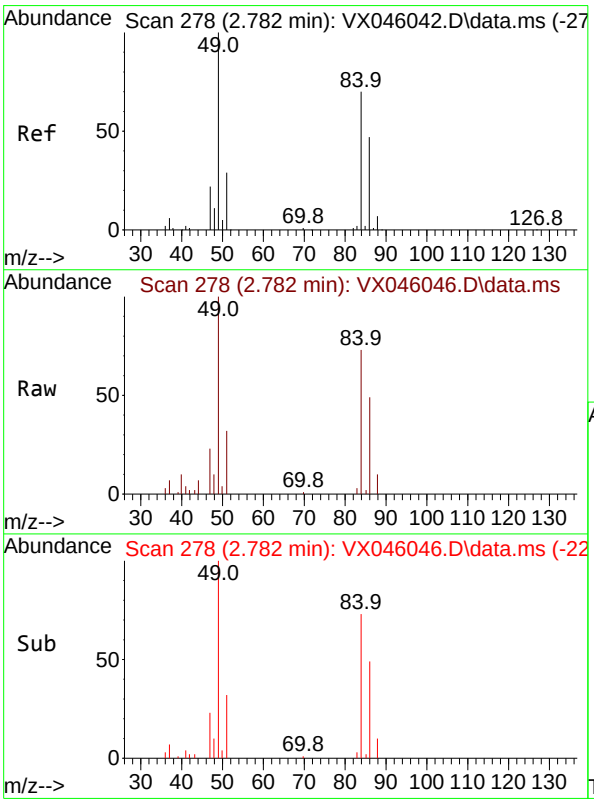

#19
Methyl tert-butyl Ether
Concen: 3.241 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 73 Resp: 18497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.5 | 17.7 | 26.5 |

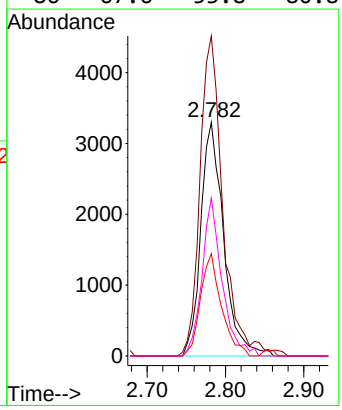


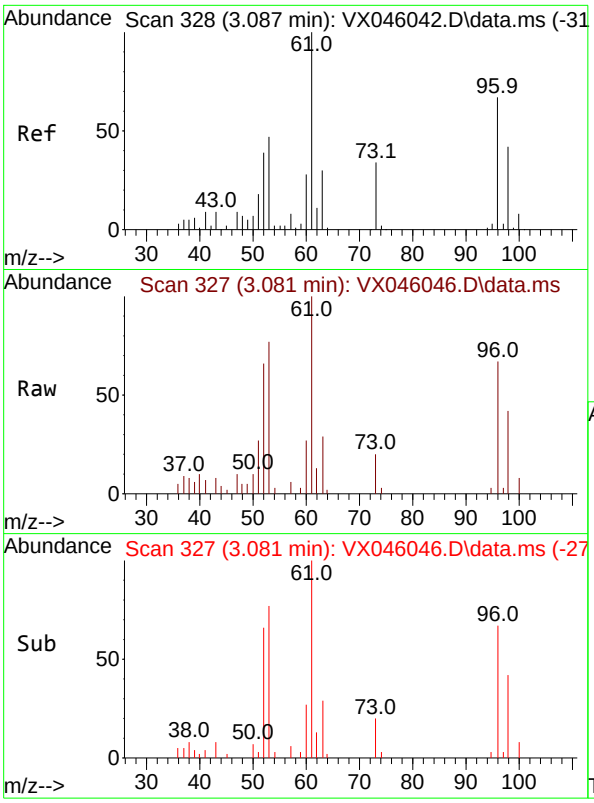




#20
Methylene Chloride
Concen: 3.341 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 84 Resp: 6680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 137.0 | 113.9 | 170.9 |
| 51 | 43.8 | 33.5 | 50.3 |
| 86 | 67.6 | 53.8 | 80.8 |



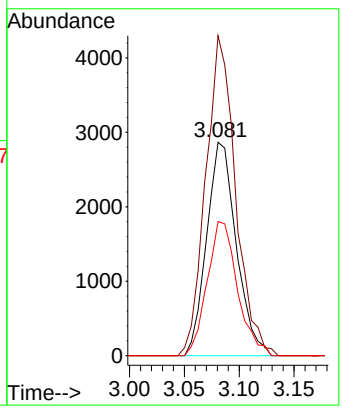


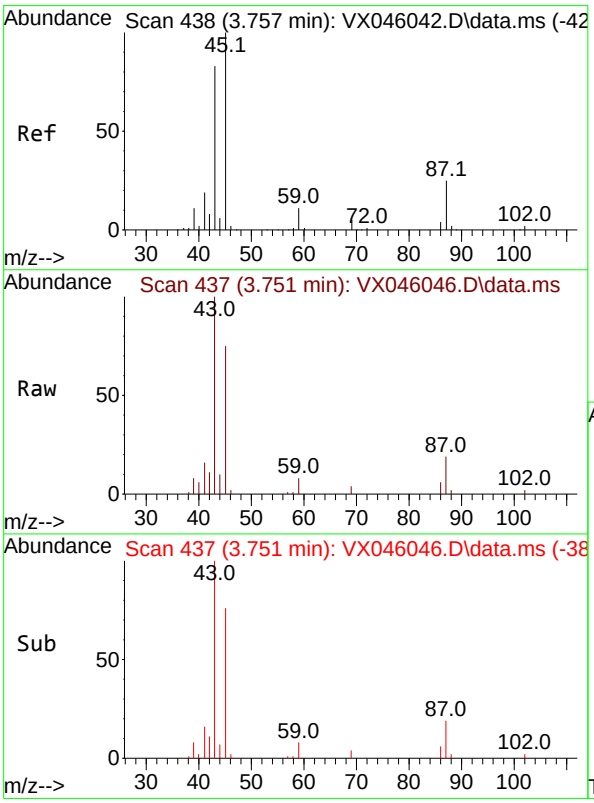

#21
trans-1,2-Dichloroethene
Concen: 3.234 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 96 Resp: 5402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.9 | 119.5 | 179.3 |
| 98 | 62.9 | 50.0 | 75.0 |

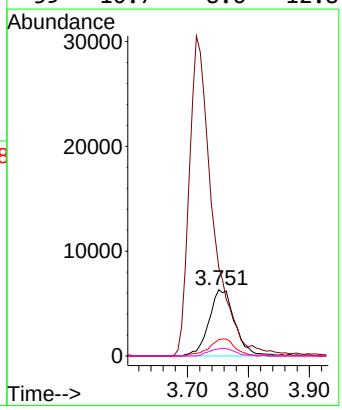


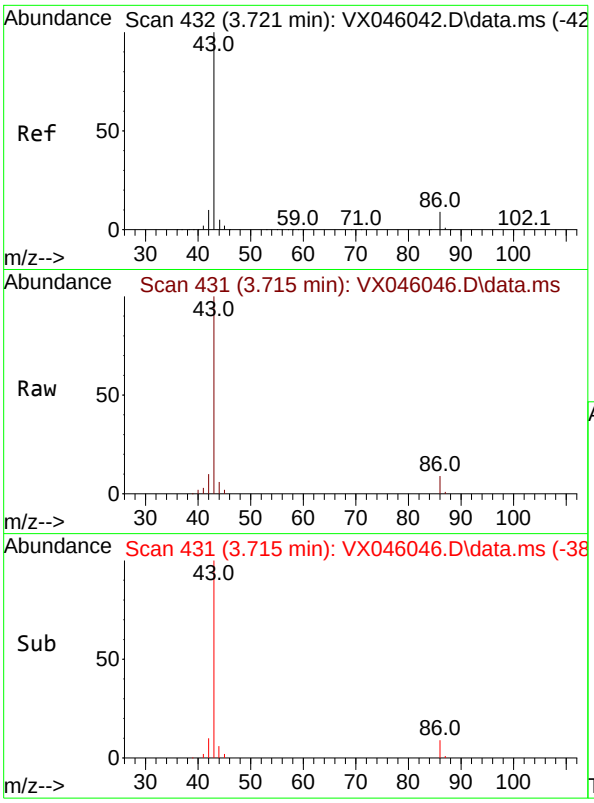




#22
Diisopropyl ether
Concen: 3.230 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 45 Resp: 18657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 128.0 | 66.6 | 100.0# |
| 87 | 24.7 | 19.8 | 29.6 |
| 59 | 10.7 | 8.6 | 12.8 |



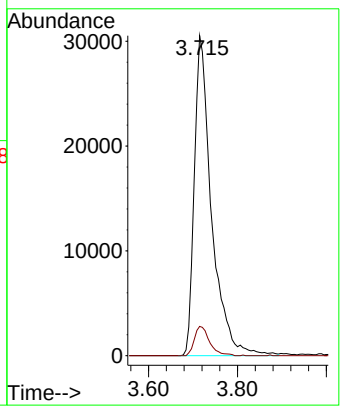


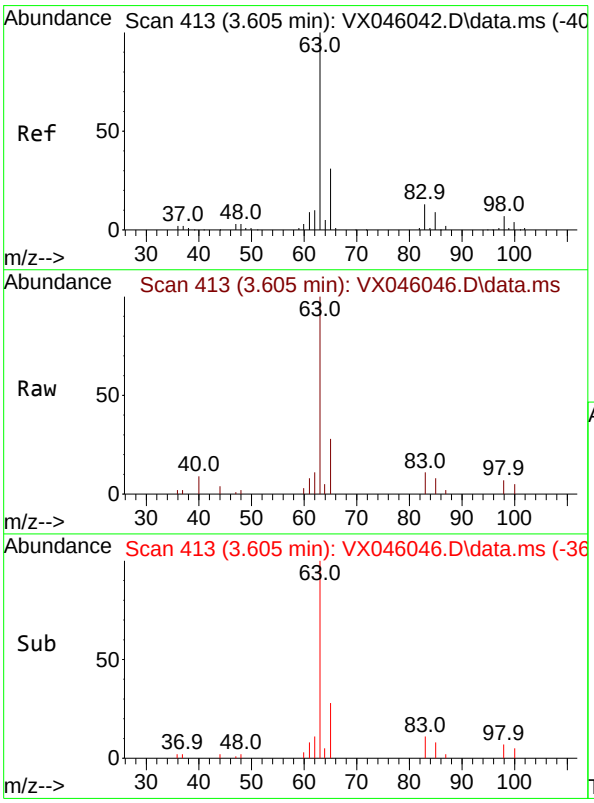

#23
Vinyl Acetate
Concen: 16.127 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 43 Resp: 82328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.1 | 7.5 | 11.3 |

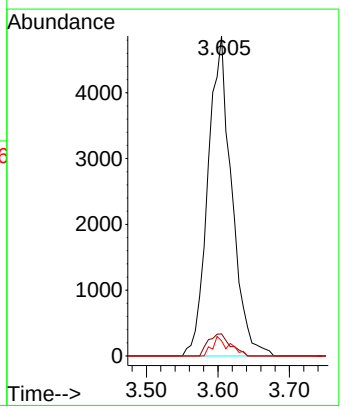


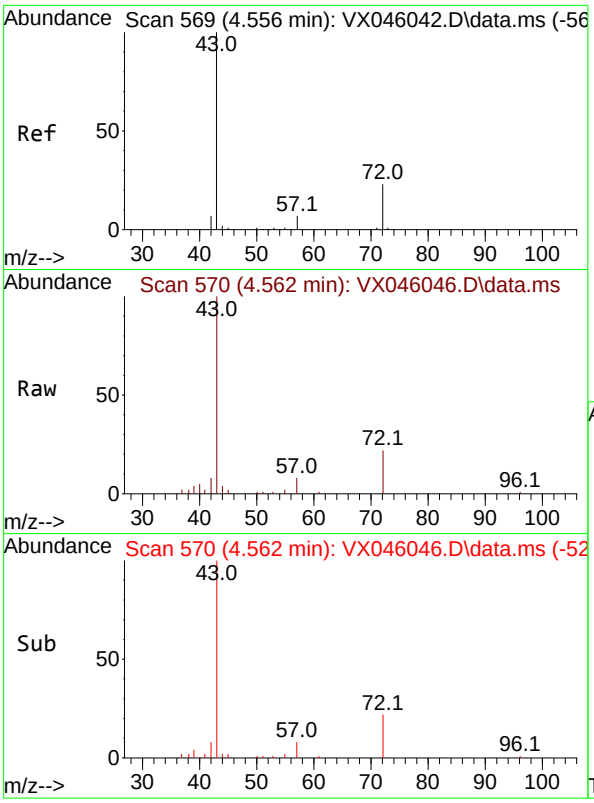




#24
1,1-Dichloroethane
Concen: 3.297 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 11193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.9 | 3.6 | 10.8 |
| 100 | 4.7 | 2.1 | 6.3 |



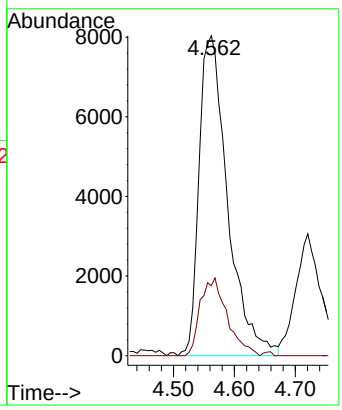


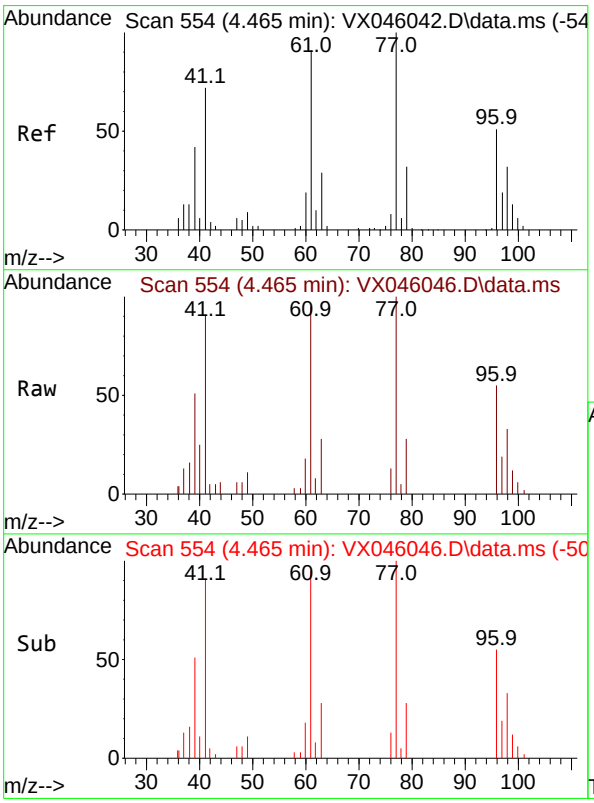

#25
2-Butanone
Concen: 18.340 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 43 Resp: 26125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.8 | 18.4 | 27.6 |

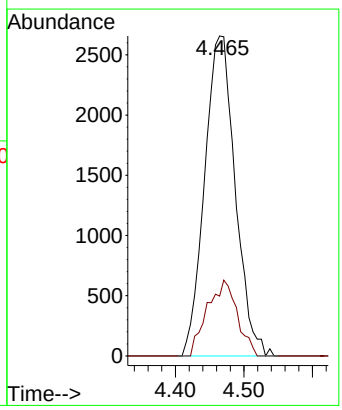


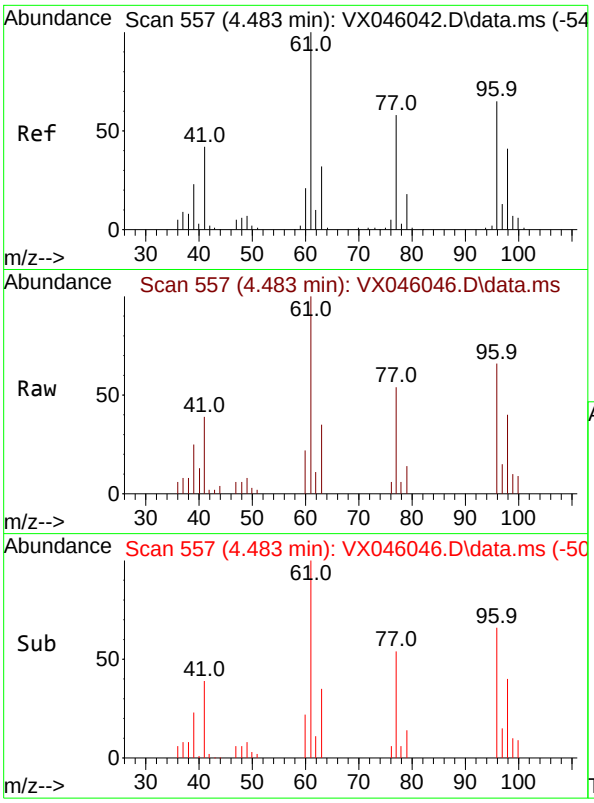




#26
2,2-Dichloropropane
Concen: 3.205 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 77 Resp: 8245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.1 | 10.5 | 31.5 |



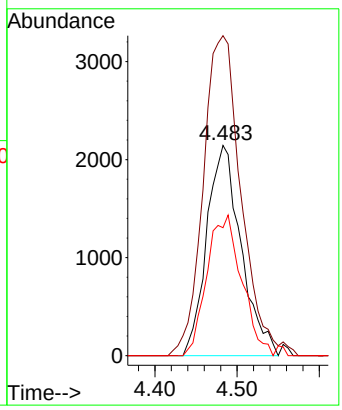


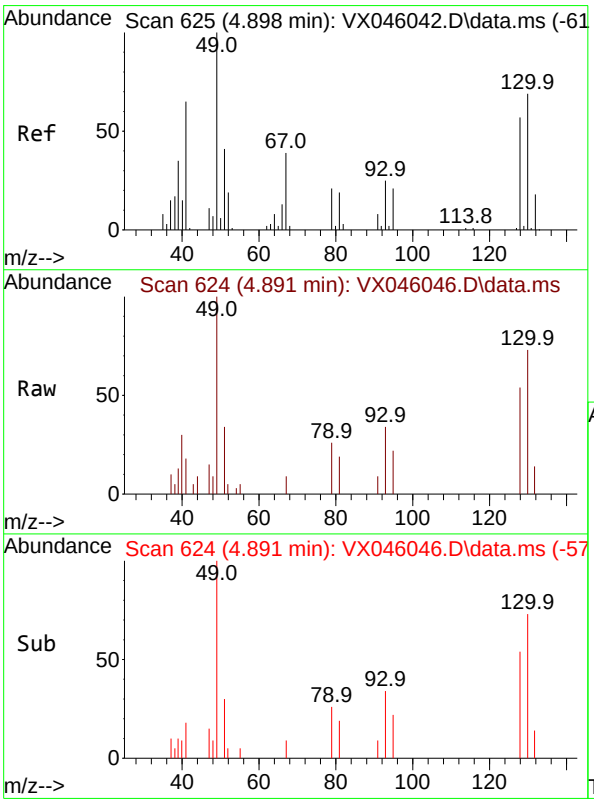

#27
cis-1,2-Dichloroethene
Concen: 3.089 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 96 Resp: 6222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.5 | 0.0 | 322.8 |
| 98 | 67.6 | 0.0 | 129.0 |

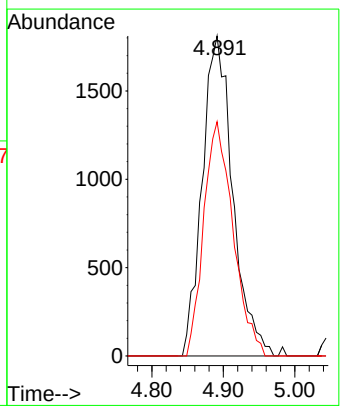


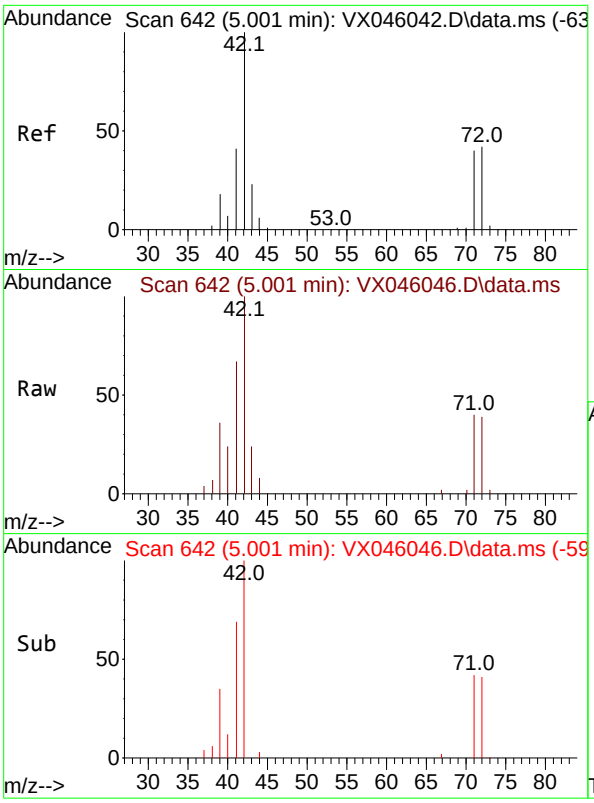




#28
Bromochloromethane
Concen: 2.969 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 49 Resp: 5360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.0 |
| 130 | 70.5 | 56.2 | 84.2 |



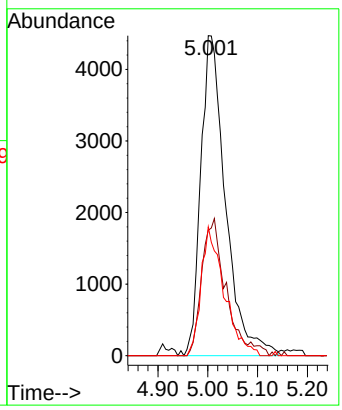


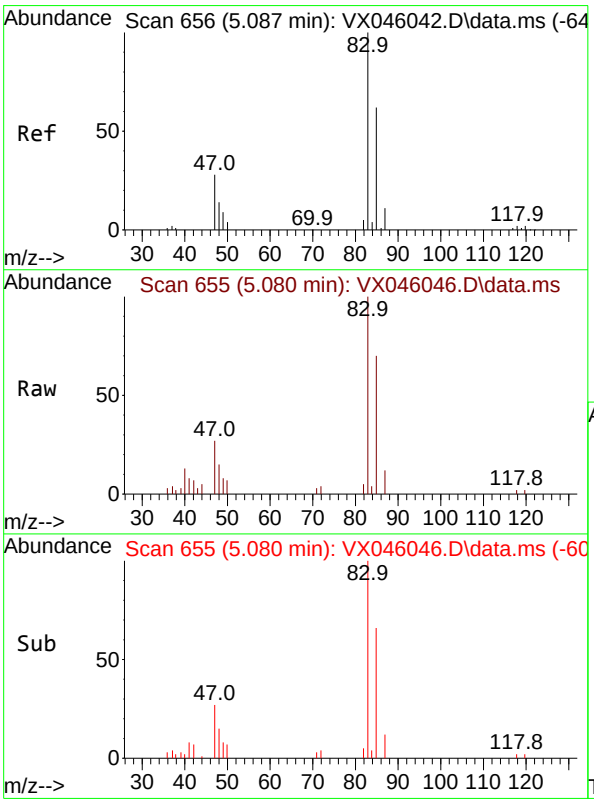

#29
Tetrahydrofuran
Concen: 16.680 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 42 Resp: 15431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.2 | 33.7 | 50.5 |
| 71 | 37.4 | 31.4 | 47.2 |

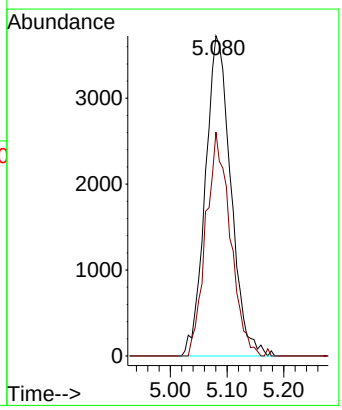


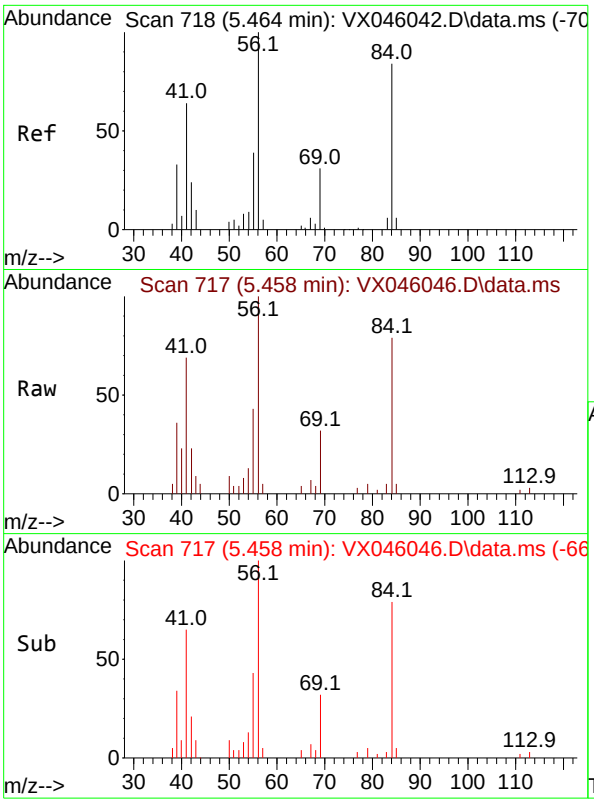




#30
Chloroform
Concen: 3.294 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 11624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 69.9 | 49.3 | 73.9 |



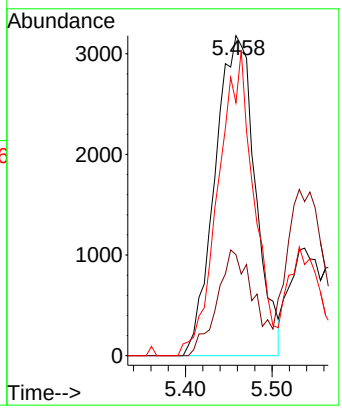


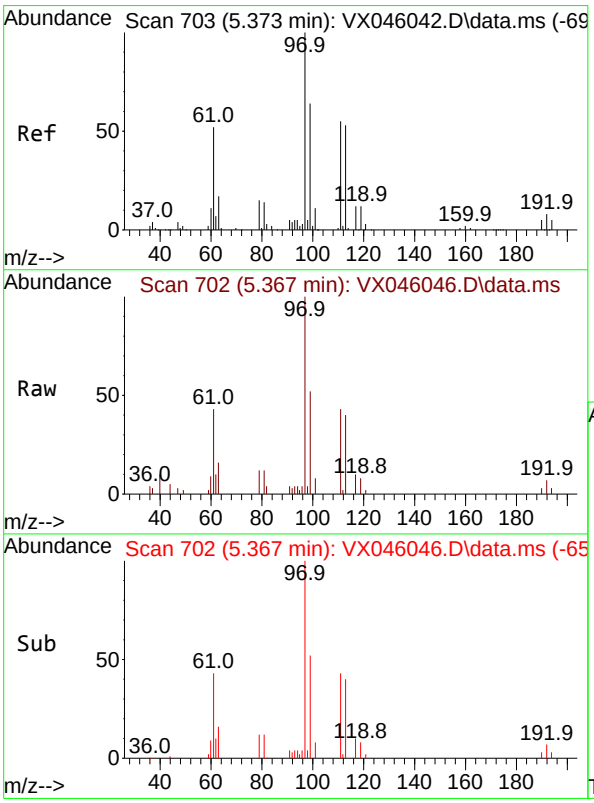

#31
Cyclohexane
Concen: 3.588 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 56 Resp: 10269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.6 | 24.4 | 36.6 |
| 84 | 79.1 | 66.9 | 100.3 |

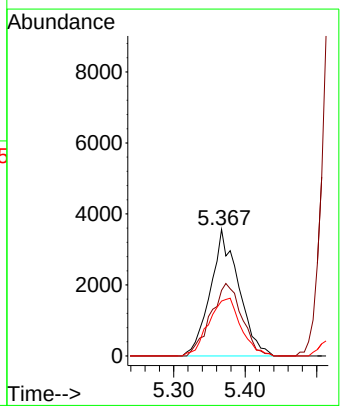


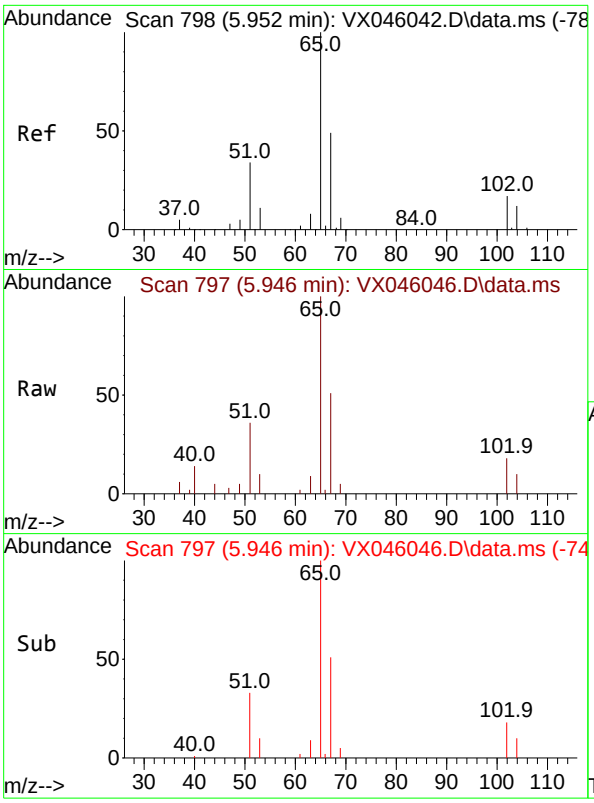




#32
1,1,1-Trichloroethane
Concen: 3.229 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 97 Resp: 9827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.6 | 51.8 | 77.6 |
| 61 | 51.8 | 40.1 | 60.1 |



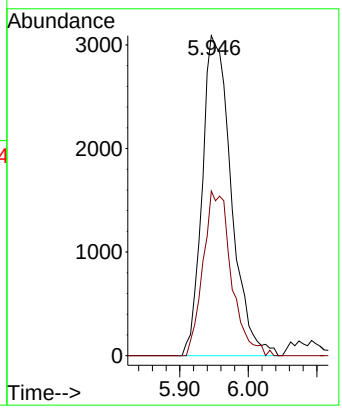


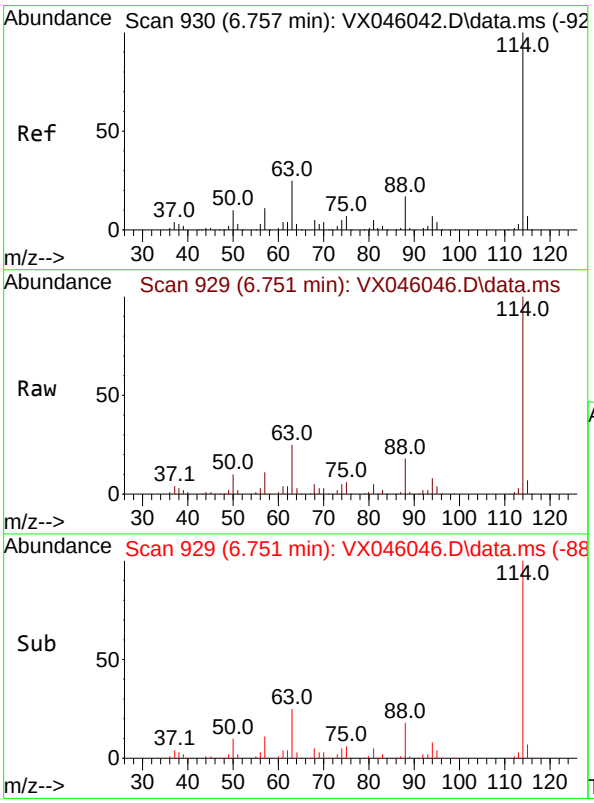

#33
1,2-Dichloroethane-d4
Concen: 3.143 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 65 Resp: 9067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.1 | 0.0 | 99.0 |

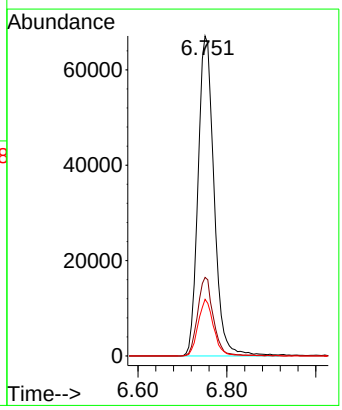


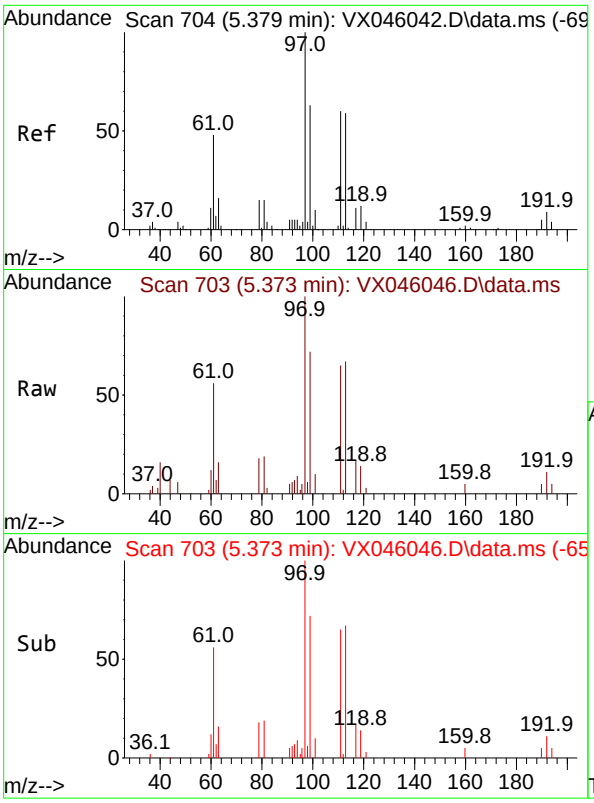




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:114 Resp: 168484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.5 | 0.0 | 49.2 |
| 88 | 17.7 | 0.0 | 33.6 |



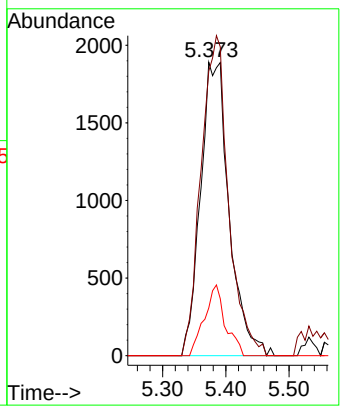


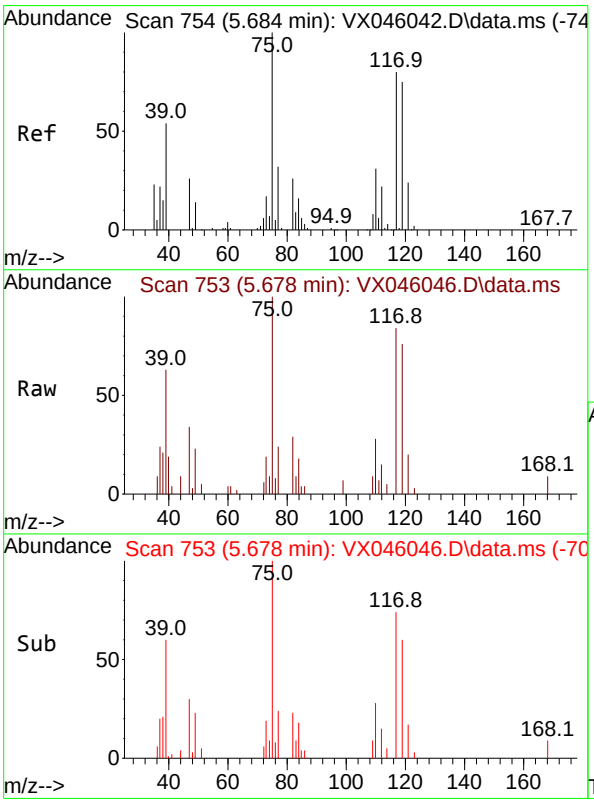

#35
Dibromofluoromethane
Concen: 3.161 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:113 Resp: 5969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.4 | 83.1 | 124.7 |
| 192 | 17.5 | 13.3 | 19.9 |

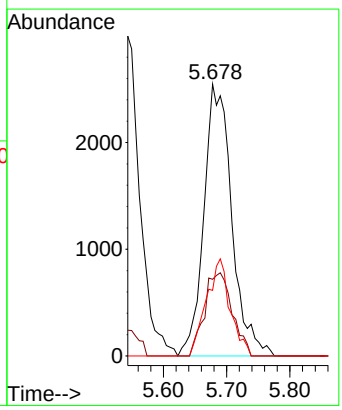


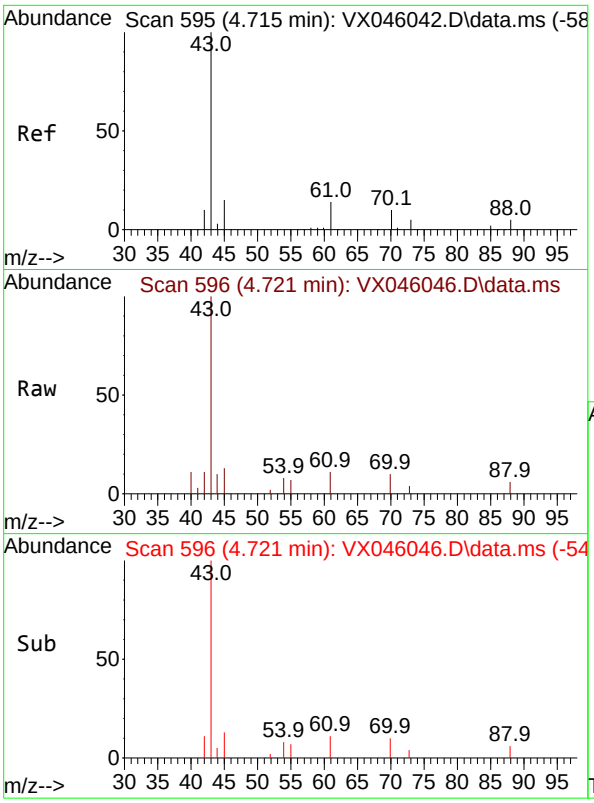




#36
1,1-Dichloropropene
Concen: 3.551 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 30.6 | 16.3 | 48.9 |
| 77 | 30.5 | 24.3 | 36.5 |



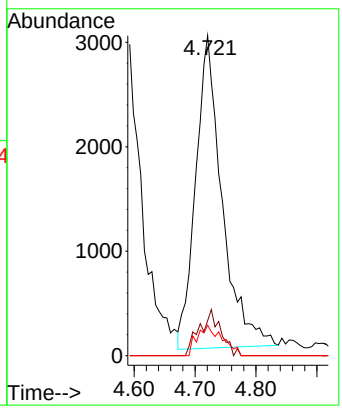


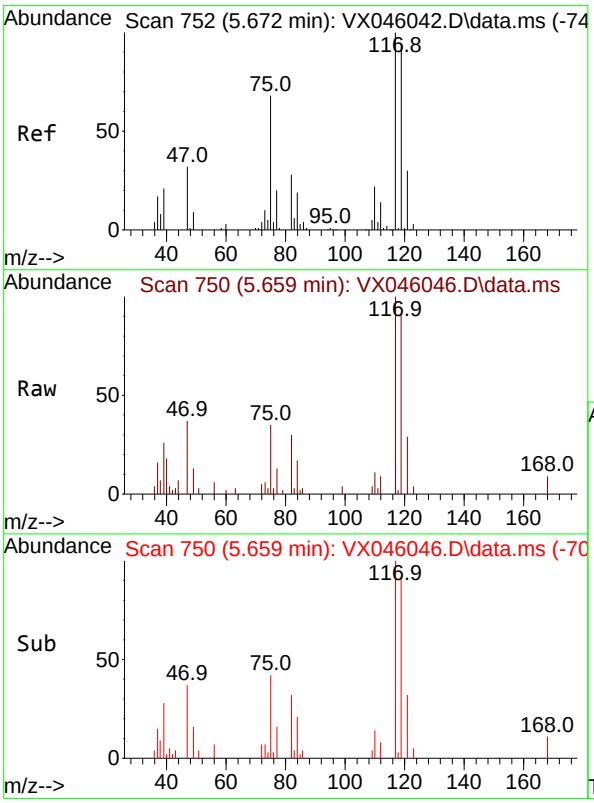

#37
Ethyl Acetate
Concen: 3.279 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 43 Resp: 9021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.9 | 10.3 | 15.5 |
| 70 | 9.2 | 7.9 | 11.9 |

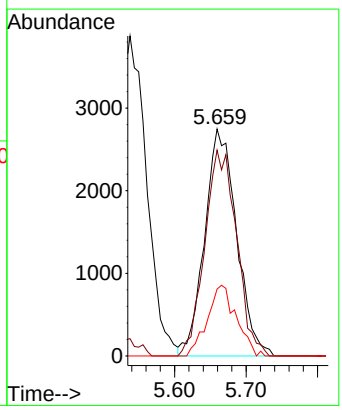


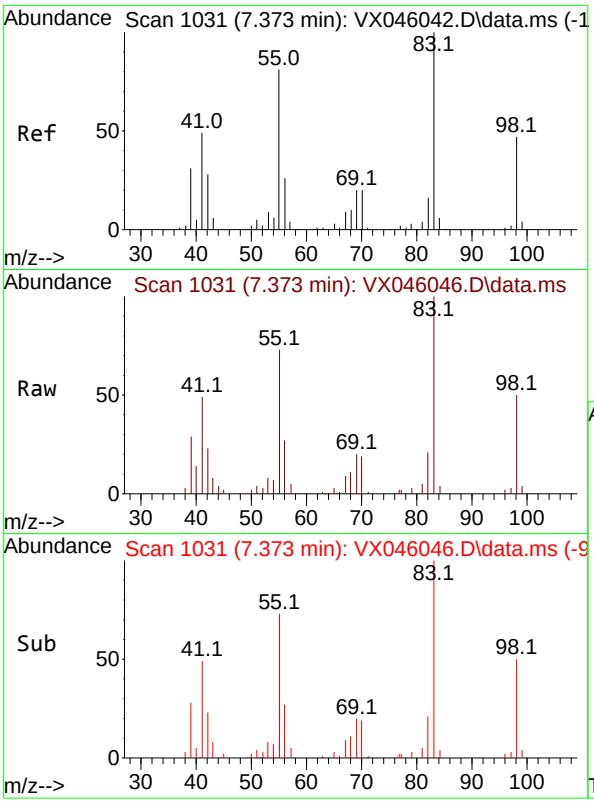




#38
Carbon Tetrachloride
Concen: 3.376 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 8505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.6 | 75.2 | 112.8 |
| 121 | 29.5 | 24.2 | 36.4 |



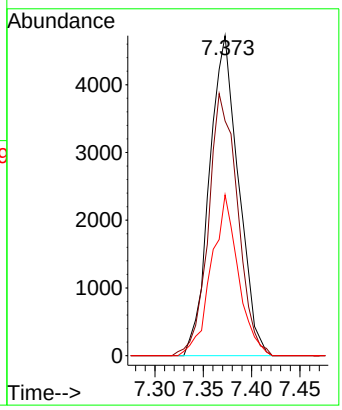


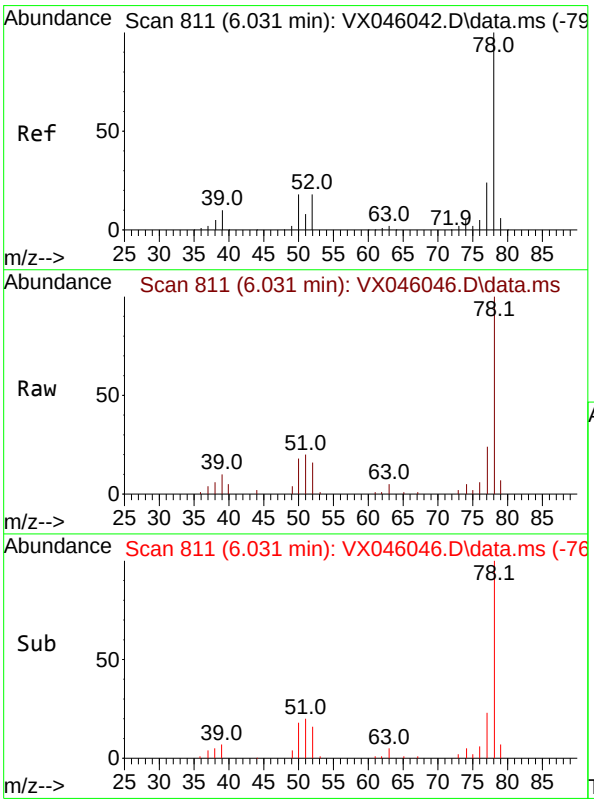

#39
Methylcyclohexane
Concen: 3.597 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 83 Resp: 9882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 73.3 | 64.7 | 97.1 |
| 98 | 50.3 | 37.4 | 56.2 |

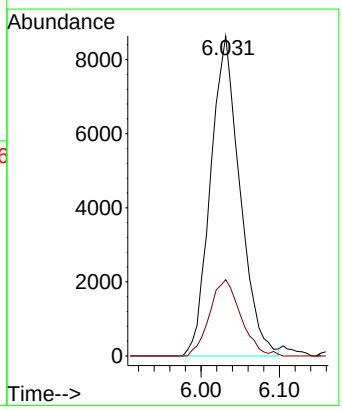


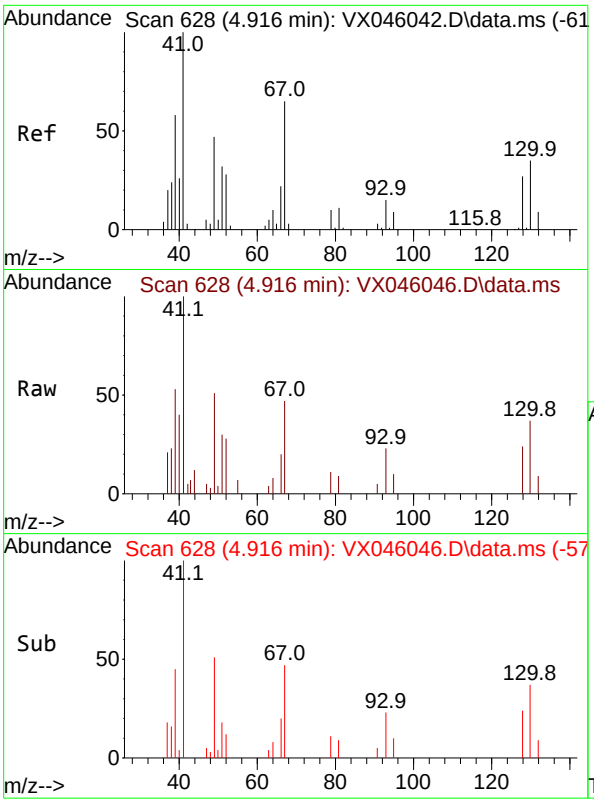




#40
Benzene
Concen: 3.315 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 78 Resp: 22528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 19.0 | 28.4 |



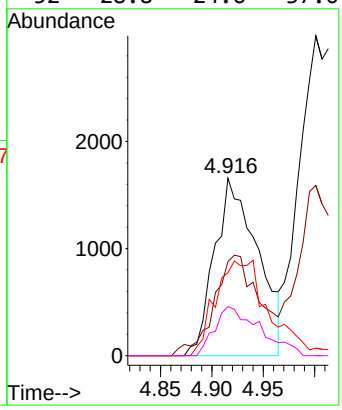


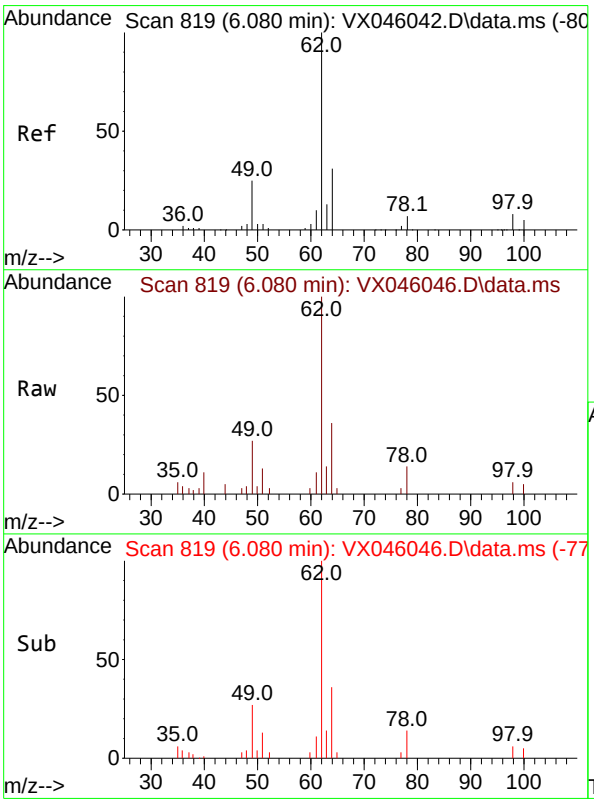

#41
Methacrylonitrile
Concen: 3.174 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 41 Resp: 4851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.7 | 47.2 | 70.8 |
| 67 | 0.0 | 50.7 | 76.1# |
| 52 | 28.8 | 24.6 | 37.0 |

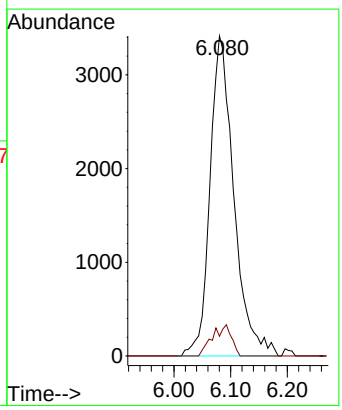


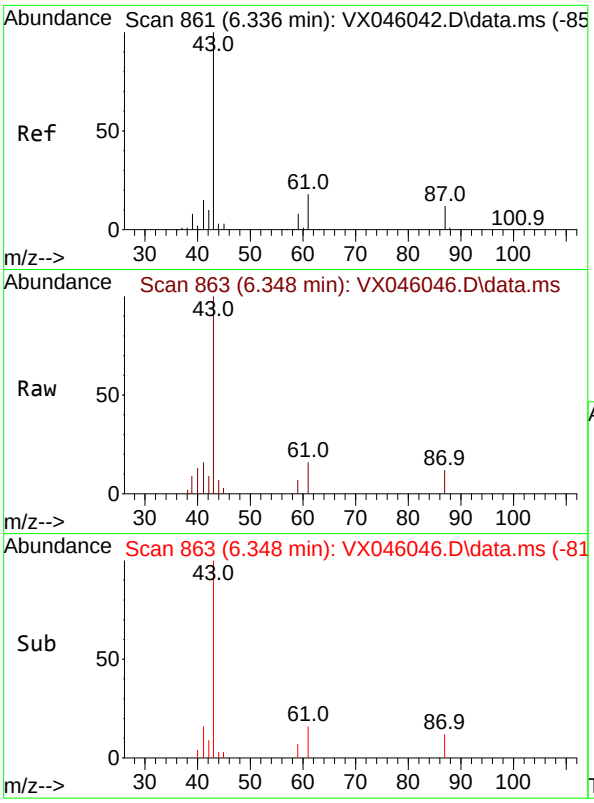




#42
1,2-Dichloroethane
Concen: 3.563 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 10011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.8 | 0.0 | 15.2 |



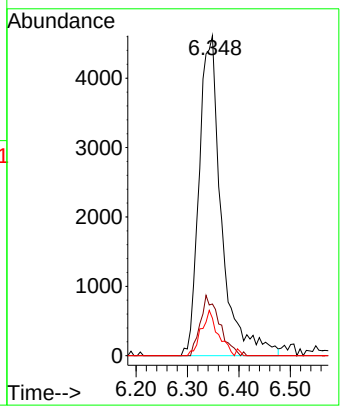


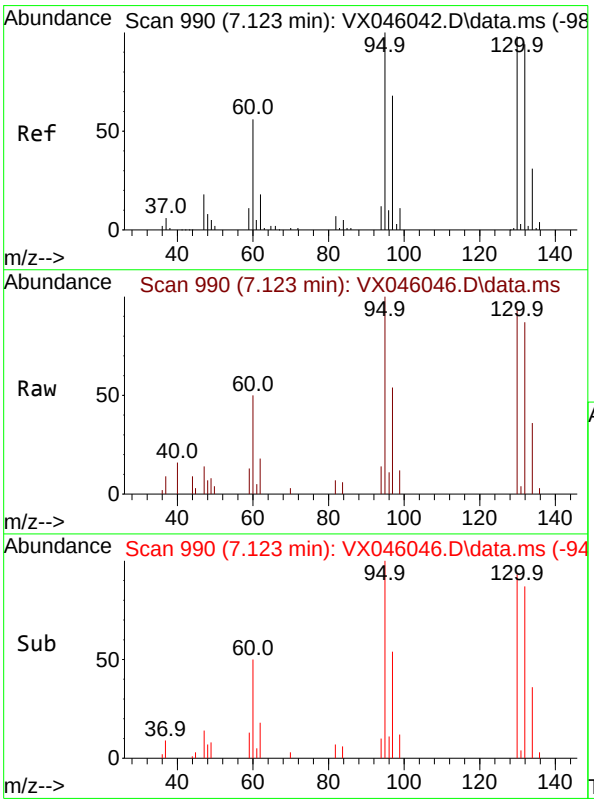

#43
Isopropyl Acetate
Concen: 3.309 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 43 Resp: 13914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 16.2 | 14.3 | 21.5 |
| 87 | 10.6 | 9.5 | 14.3 |

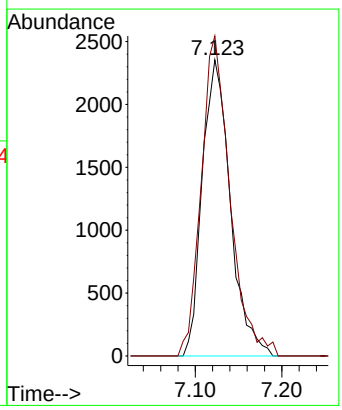


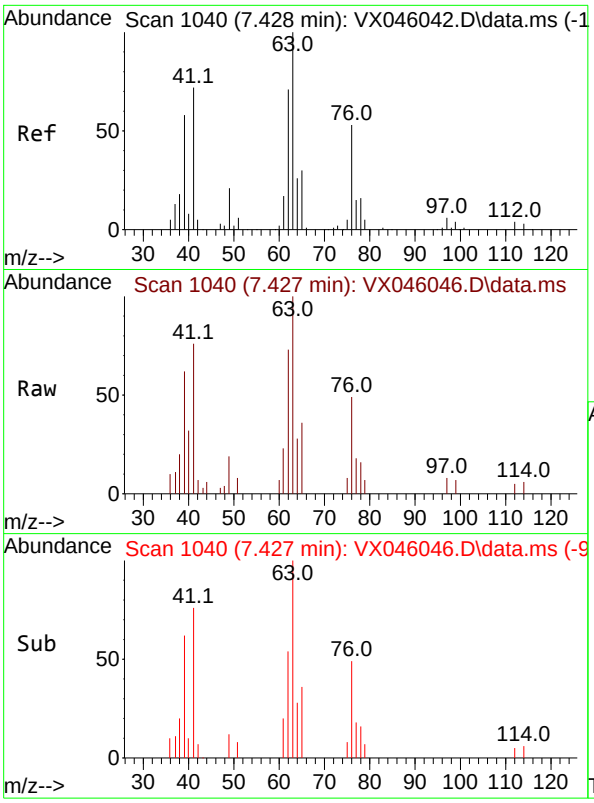




#44
Trichloroethene
Concen: 3.307 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:130 Resp: 5313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 108.1 | 0.0 | 204.2 |



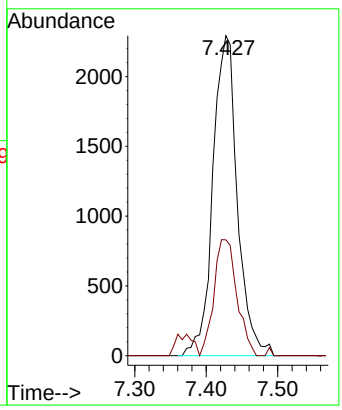


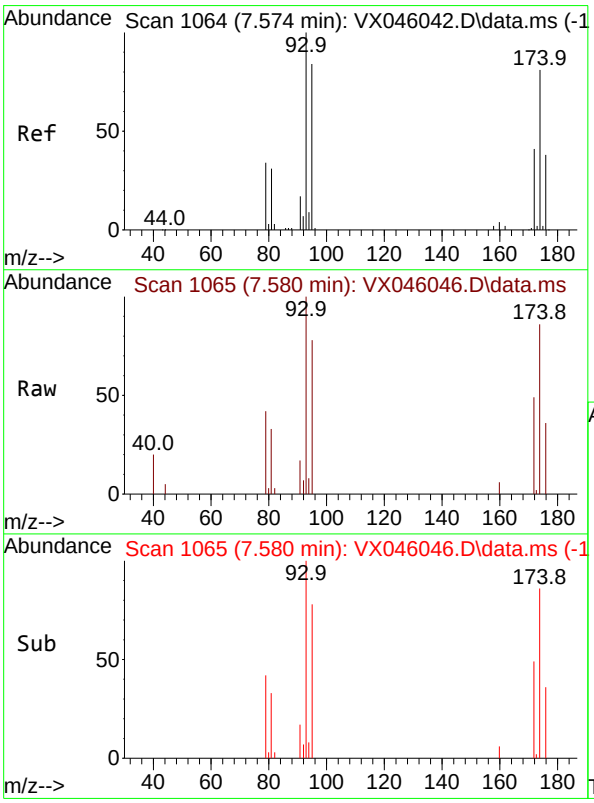

#45
1,2-Dichloropropane
Concen: 3.228 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 63 Resp: 5451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 36.2 | 24.1 | 36.1# |

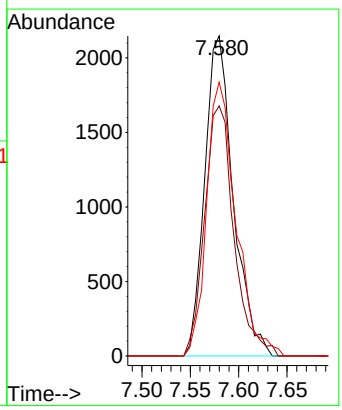


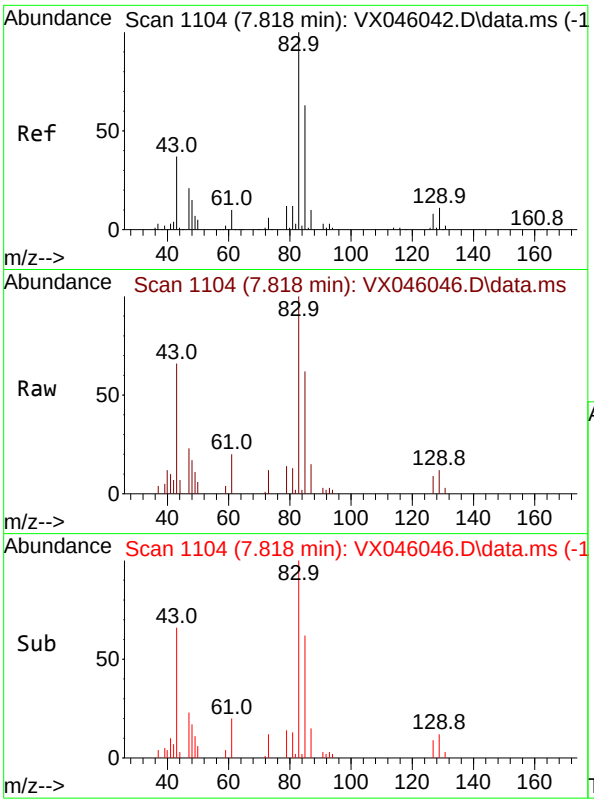




#46
Dibromomethane
Concen: 3.318 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 93 Resp: 4417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 80.1 | 65.6 | 98.4 |
| 174 | 87.6 | 68.2 | 102.2 |



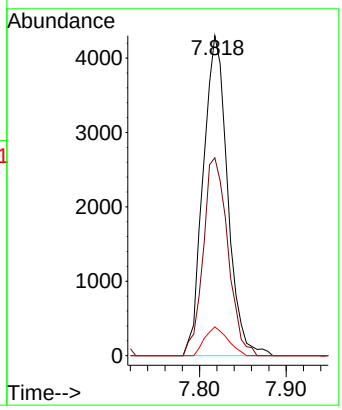


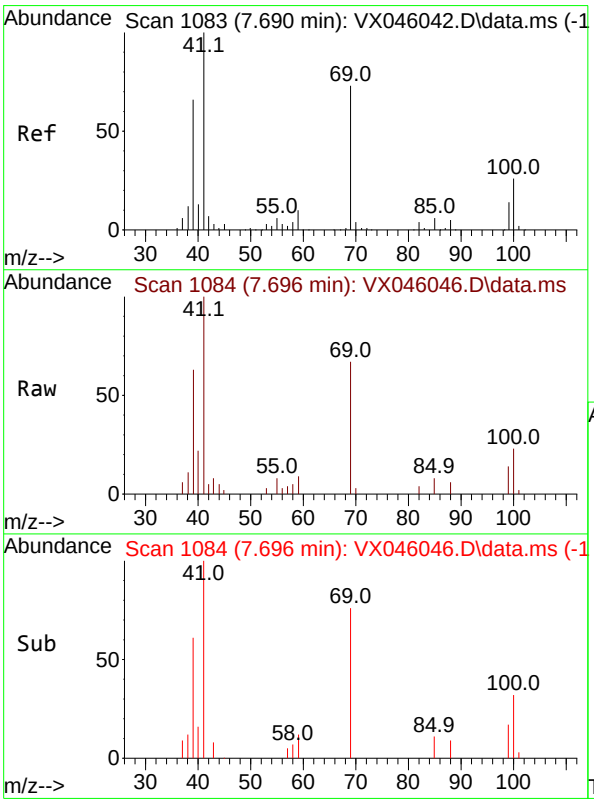

#47
Bromodichloromethane
Concen: 3.254 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 83 Resp: 8394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.9 | 50.5 | 75.7 |
| 127 | 9.0 | 6.5 | 9.7 |

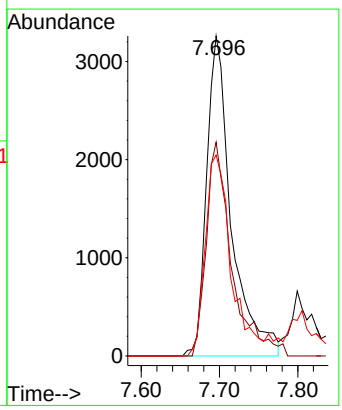


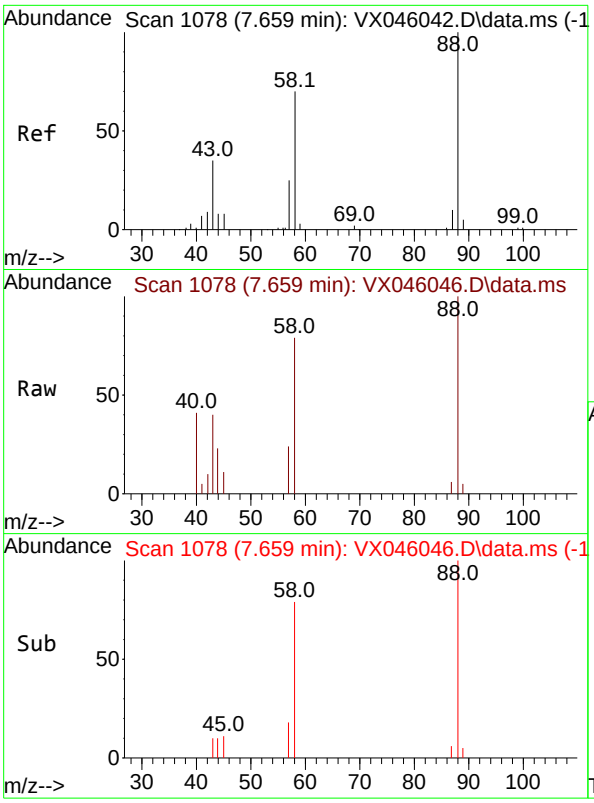




#48
Methyl methacrylate
Concen: 3.321 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 7171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 68.4 | 58.5 | 87.7 |
| 39 | 65.1 | 51.7 | 77.5 |



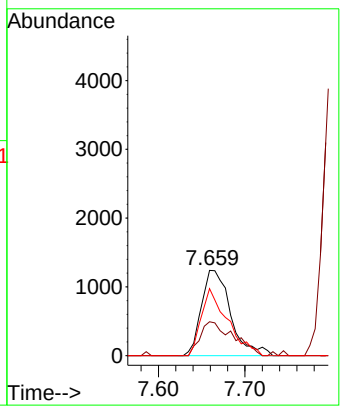


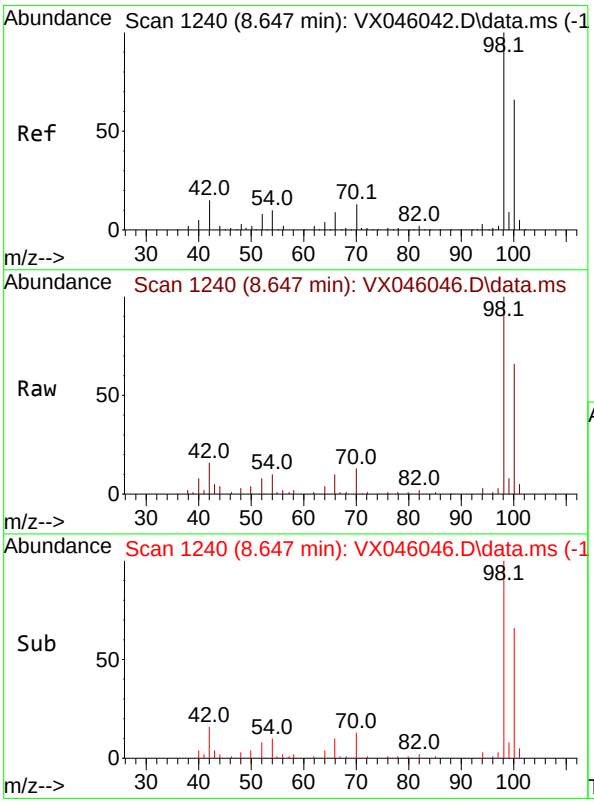

#49
1,4-Dioxane
Concen: 67.721 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 88 Resp: 2907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 45.3 | 33.4 | 50.2 |
| 58 | 71.0 | 58.6 | 88.0 |

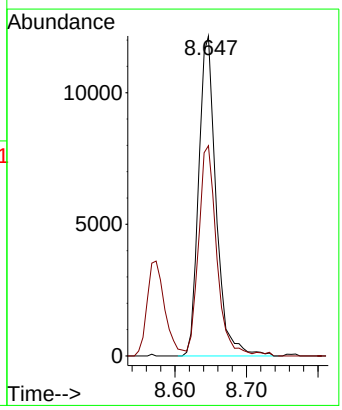


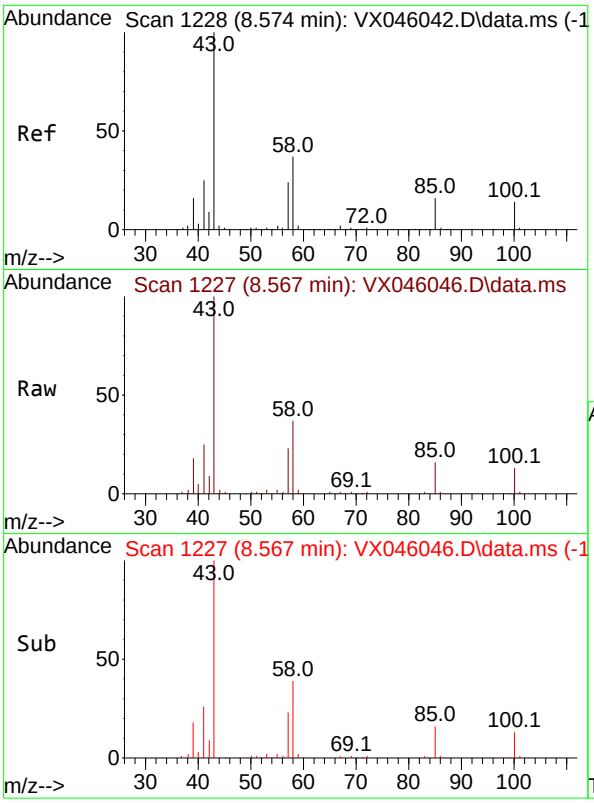




#50
Toluene-d8
Concen: 3.232 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 98 Resp: 20566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.1 | 53.5 | 80.3 |



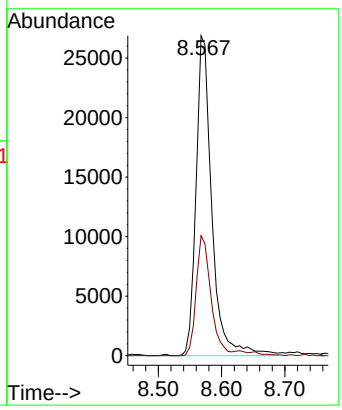


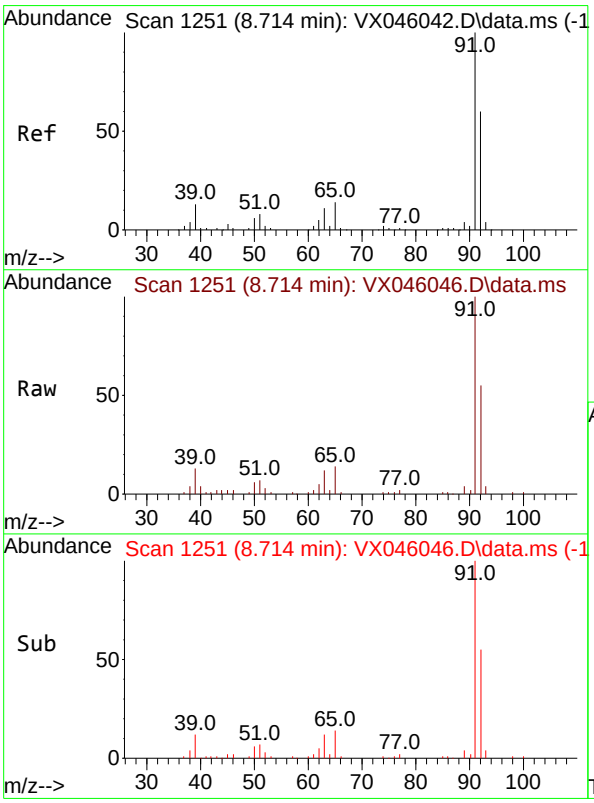

#51
4-Methyl-2-Pentanone
Concen: 16.967 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 43 Resp: 46794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.8 | 28.9 | 43.3 |

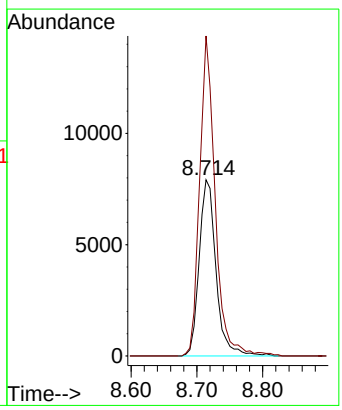


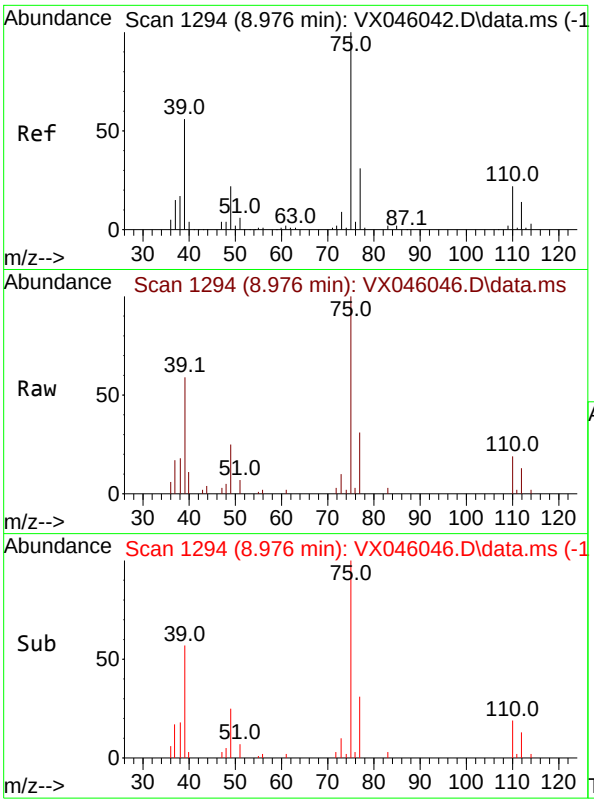




#52
Toluene
Concen: 3.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 92 Resp: 14126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 167.2 | 136.6 | 205.0 |



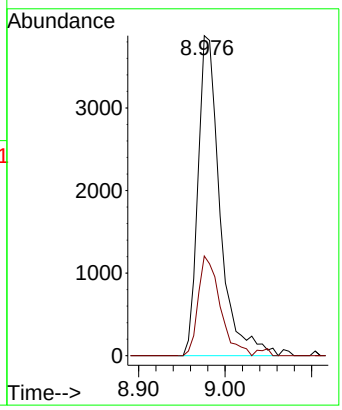


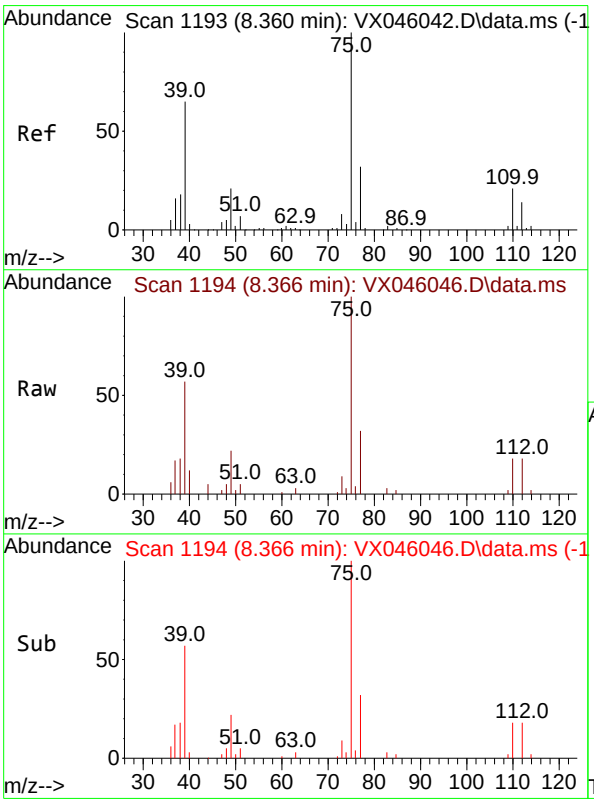

#53
t-1,3-Dichloropropene
Concen: 3.155 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 75 Resp: 6834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 25.0 | 37.6 |

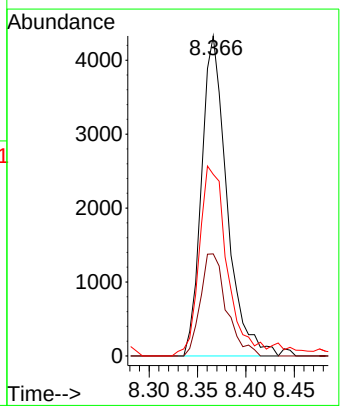


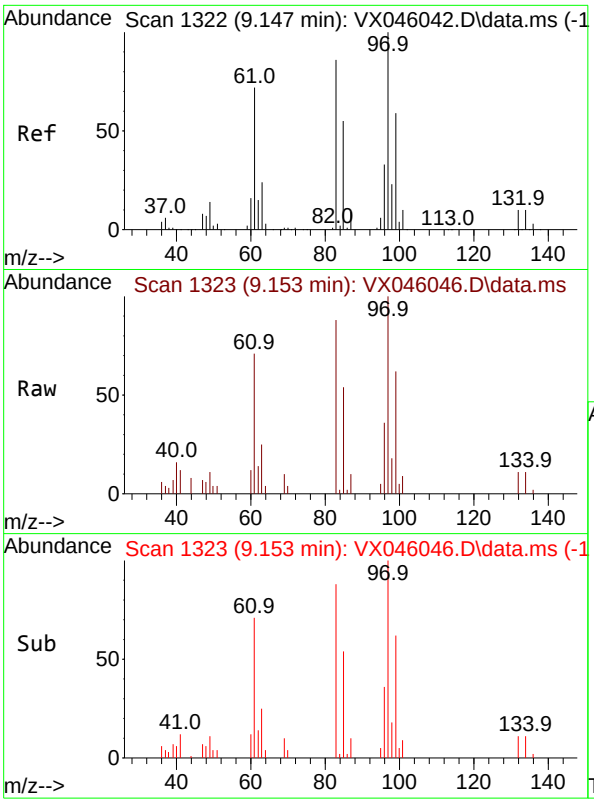




#54
cis-1,3-Dichloropropene
Concen: 3.129 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.4 | 38.0 |
| 39 | 55.3 | 52.2 | 78.4 |



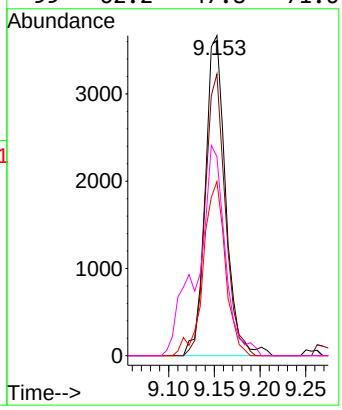


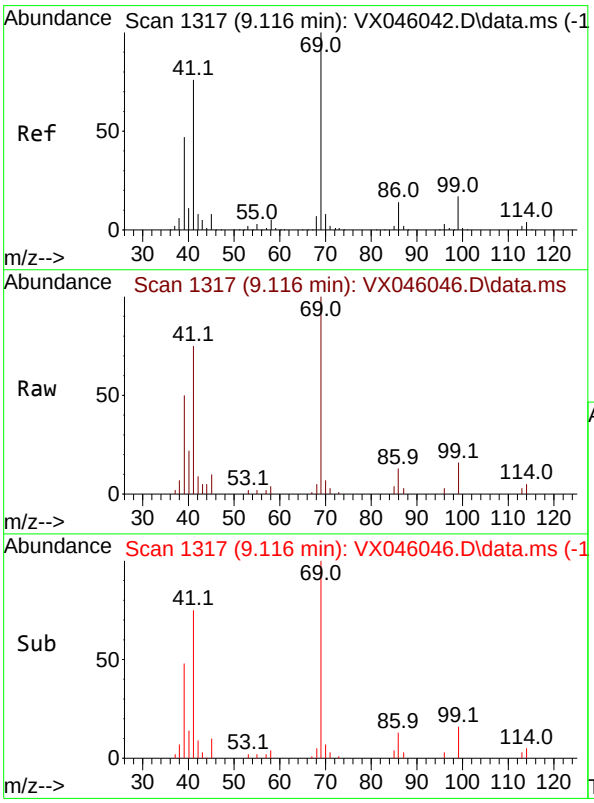

#55
1,1,2-Trichloroethane
Concen: 3.490 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 97 Resp: 5685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.0 | 69.0 | 103.6 |
| 85 | 54.4 | 44.3 | 66.5 |
| 99 | 62.2 | 47.8 | 71.6 |

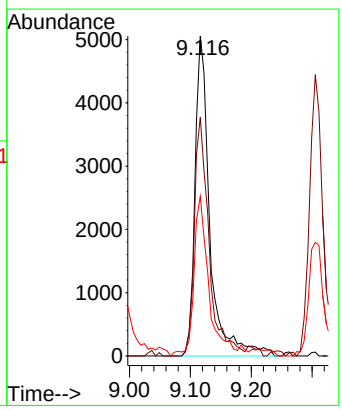


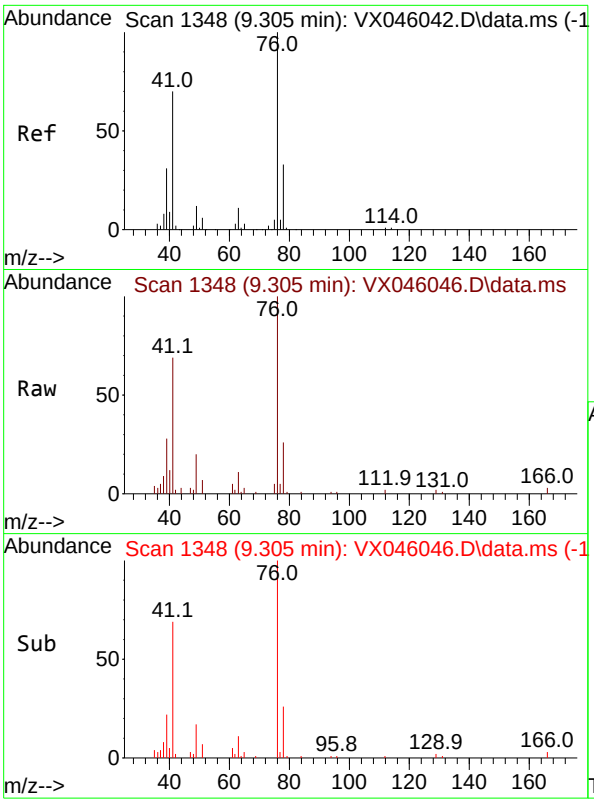




#56
Ethyl methacrylate
Concen: 3.390 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 69 Resp: 8555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 73.7 | 60.8 | 91.2 |
| 39 | 49.3 | 39.0 | 58.6 |



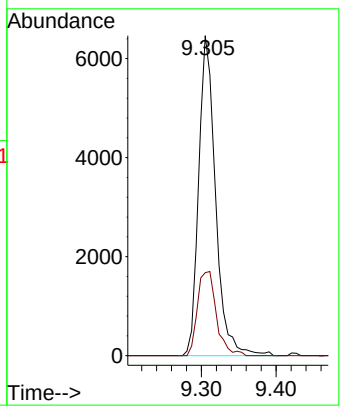


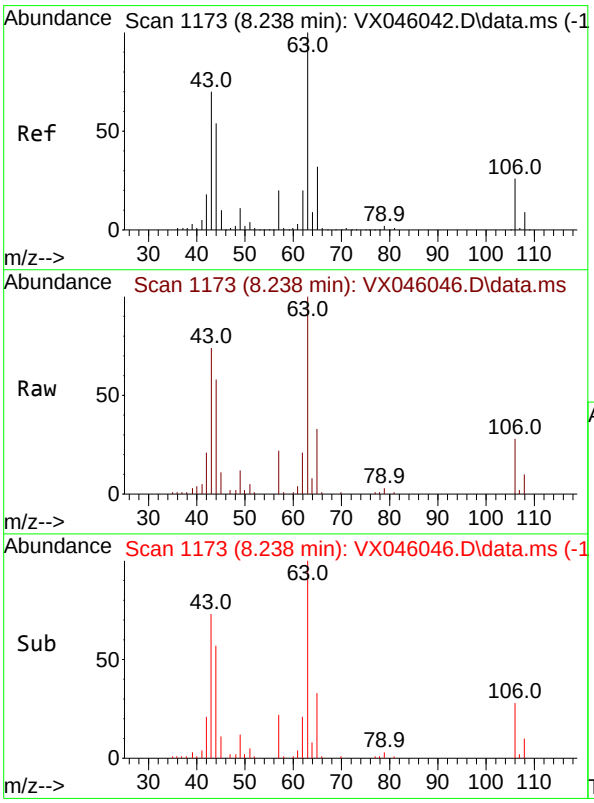

#57
1,3-Dichloropropane
Concen: 3.508 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 76 Resp: 10127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 29.5 | 26.3 | 39.5 |

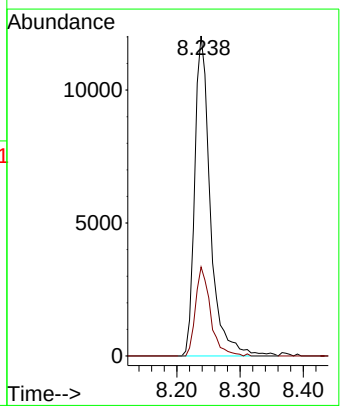


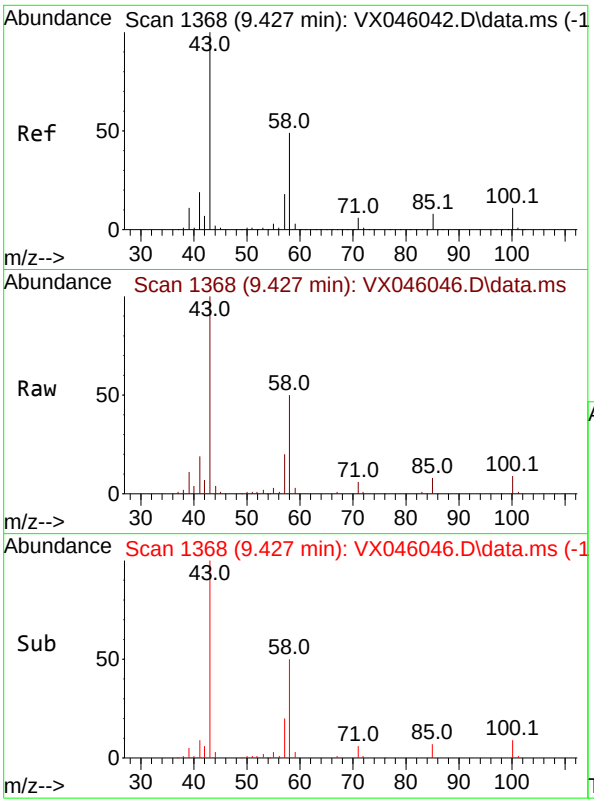




#58
2-Chloroethyl Vinyl ether
Concen: 18.346 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 20809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.4 | 21.5 | 32.3 |



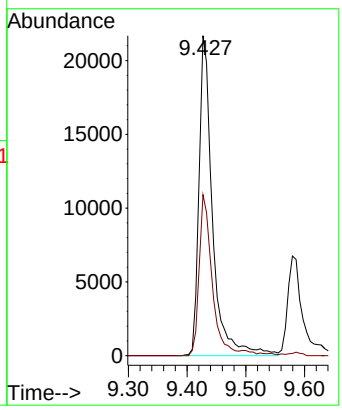


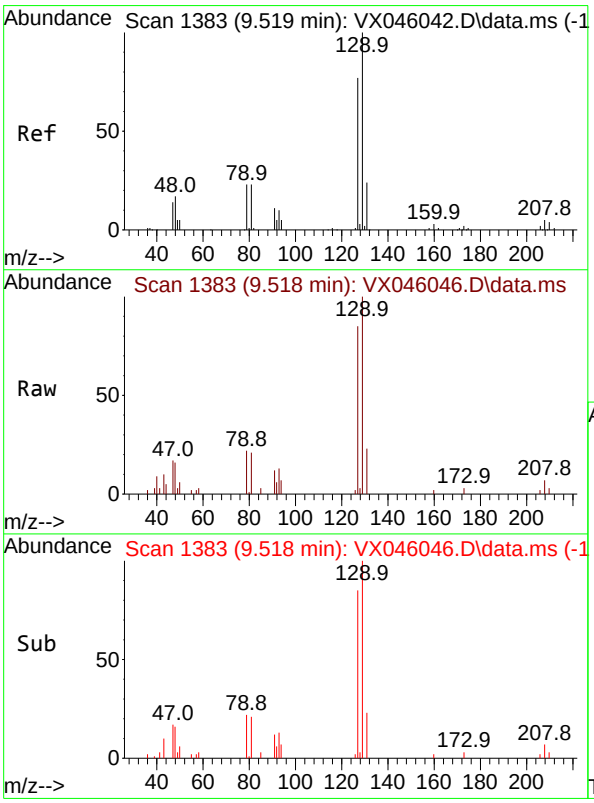

#59
2-Hexanone
Concen: 16.651 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 43 Resp: 34853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 47.5 | 24.9 | 74.6 |

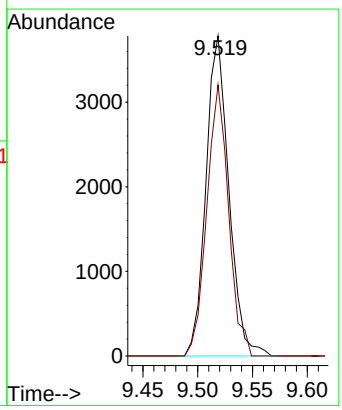


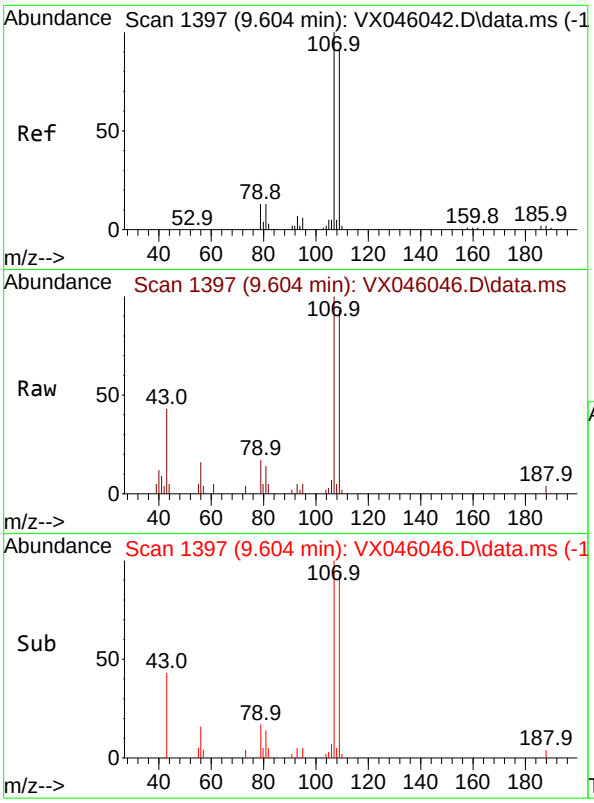




#60
Dibromochloromethane
Concen: 3.102 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:129 Resp: 5500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 80.4 | 39.3 | 117.8 |



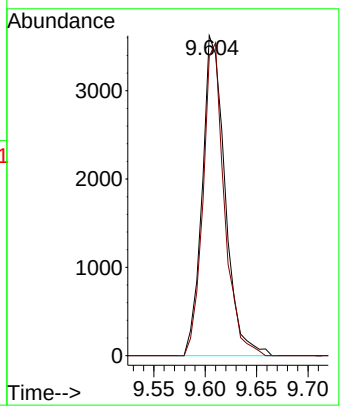


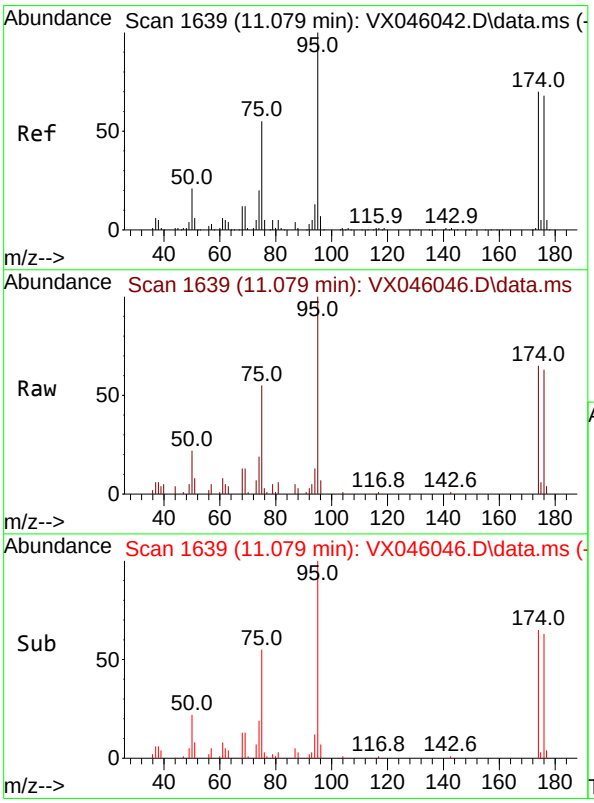

#61
1,2-Dibromoethane
Concen: 3.356 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:107 Resp: 5614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.0 | 73.3 | 109.9 |

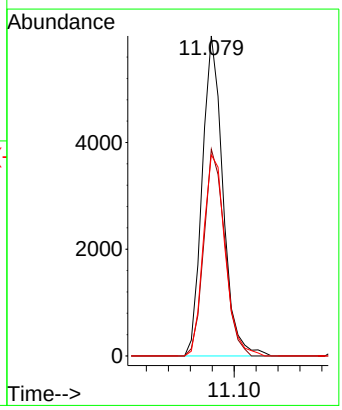


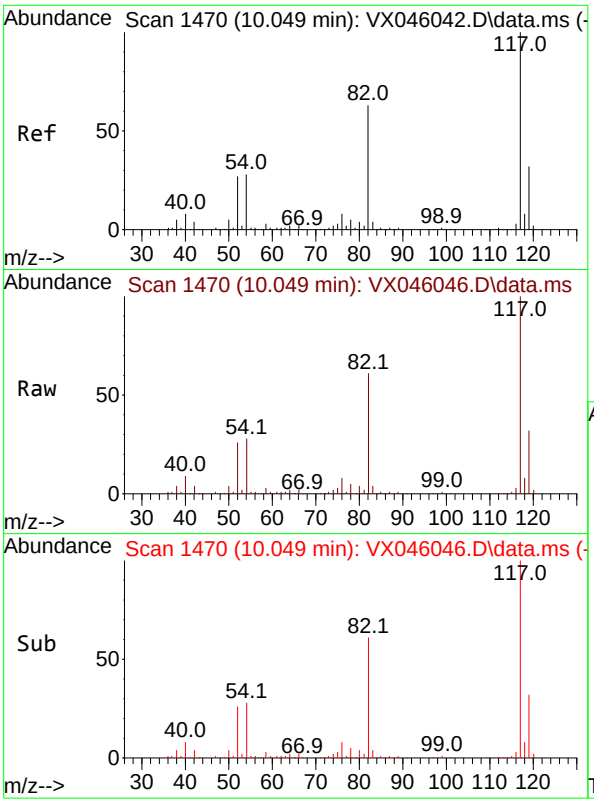




#62
4-Bromofluorobenzene
Concen: 3.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 95 Resp: 7822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 65.0 | 0.0 | 135.8 |
| 176 | 66.6 | 0.0 | 131.4 |



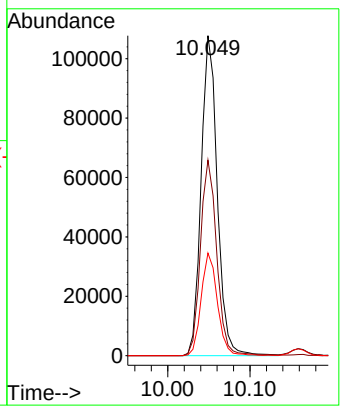


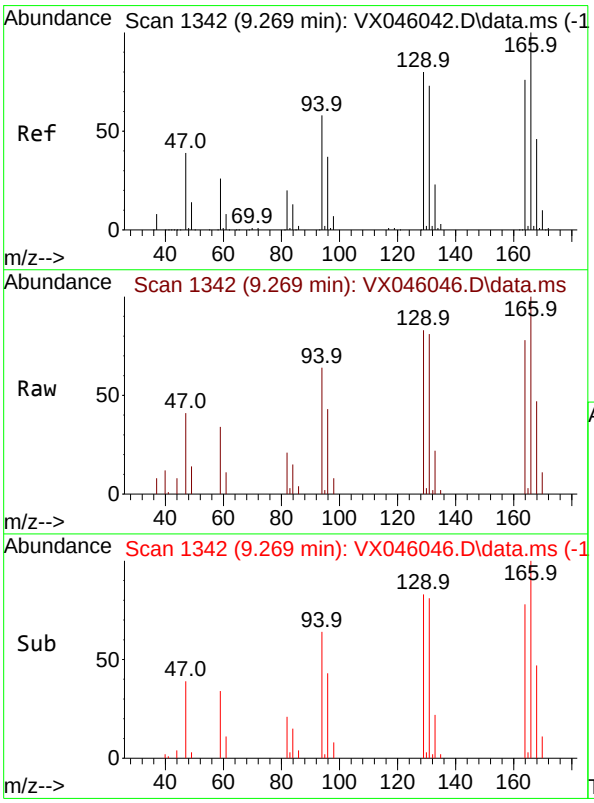

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:117 Resp: 147167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.1 | 50.6 | 76.0 |
| 119 | 32.1 | 25.8 | 38.6 |

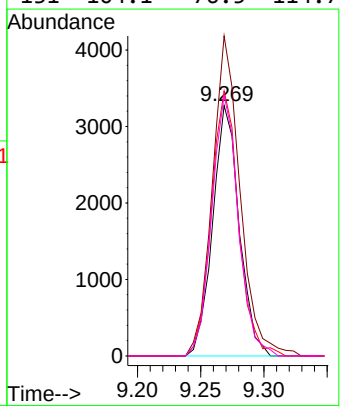


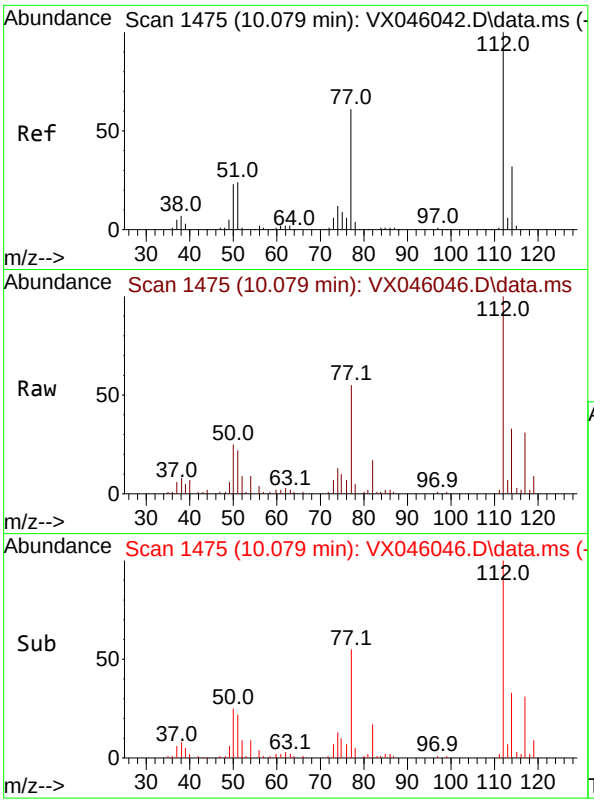




#64
Tetrachloroethene
Concen: 3.162 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:164 Resp: 4752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.8 | 105.0 | 157.6 |
| 129 | 105.8 | 83.5 | 125.3 |
| 131 | 104.1 | 76.5 | 114.7 |



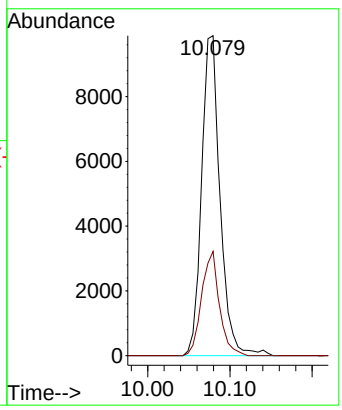


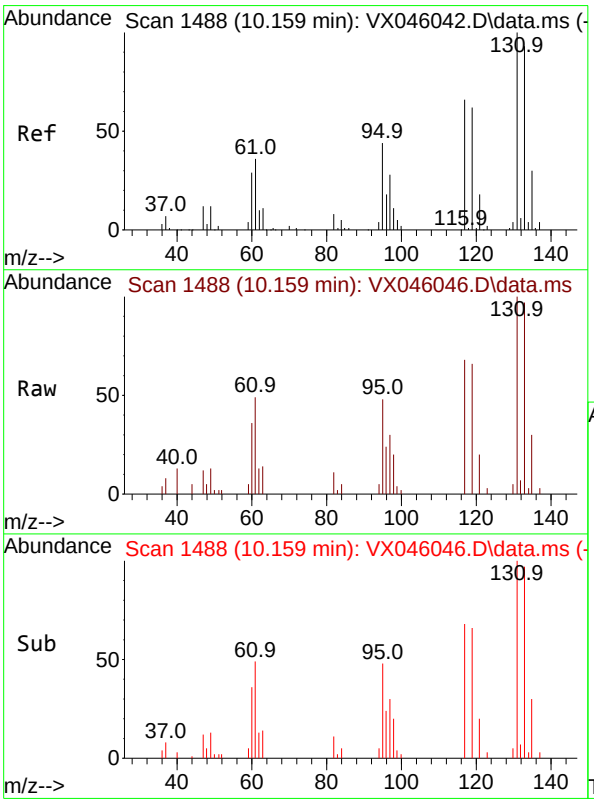

#65
Chlorobenzene
Concen: 3.399 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:112 Resp: 15391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 25.4 | 38.2 |

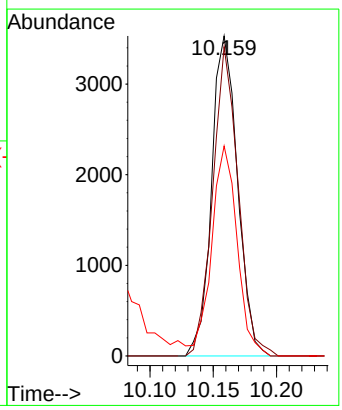


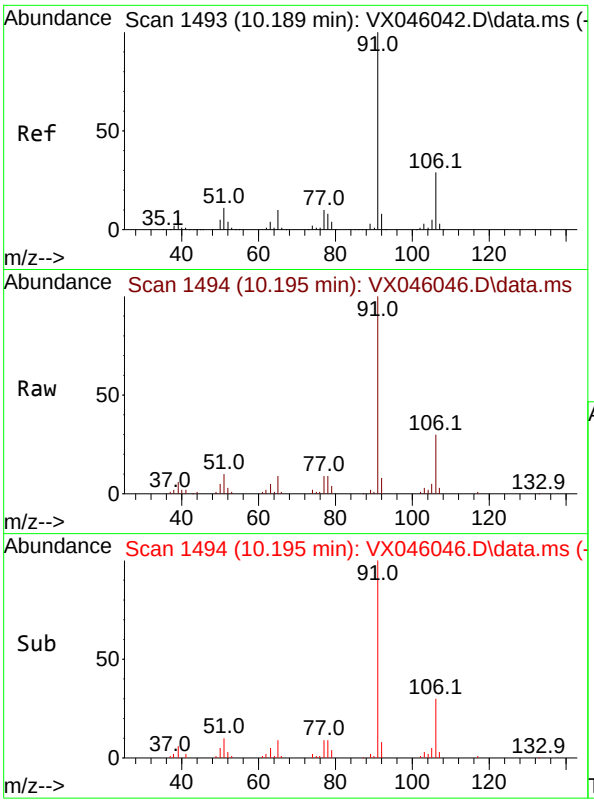




#66
1,1,1,2-Tetrachloroethane
Concen: 3.326 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:131 Resp: 5024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.0 | 47.3 | 141.9 |
| 119 | 64.8 | 31.6 | 95.0 |



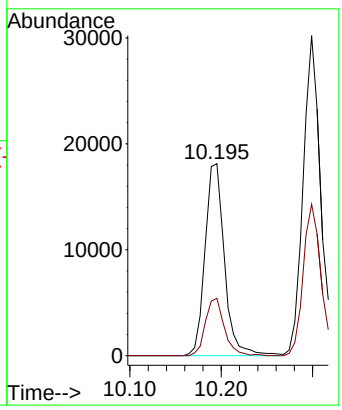


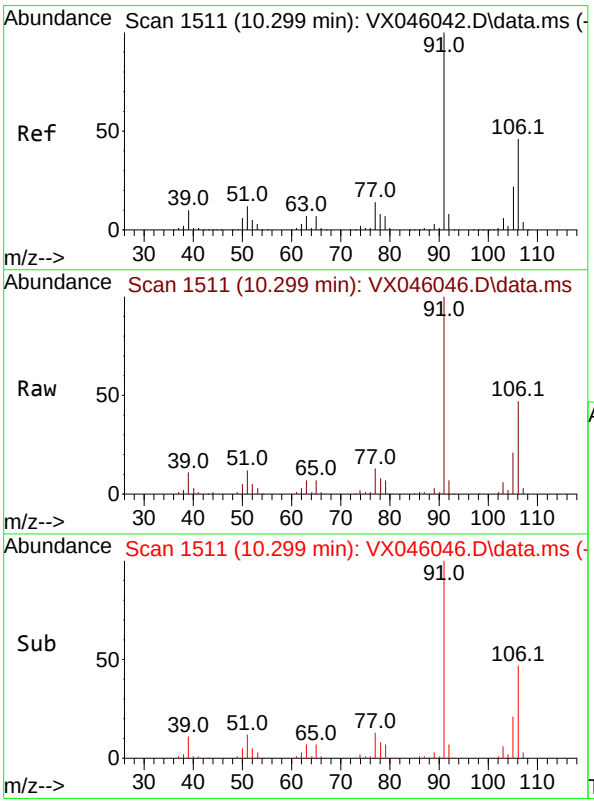

#67
Ethyl Benzene
Concen: 3.463 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 91 Resp: 26732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 23.4 | 35.2 |

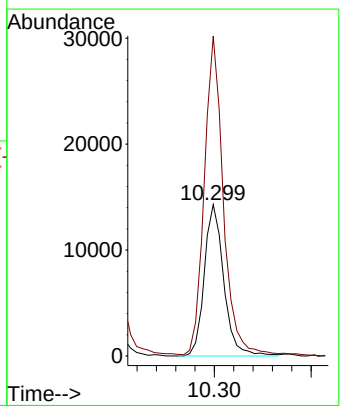


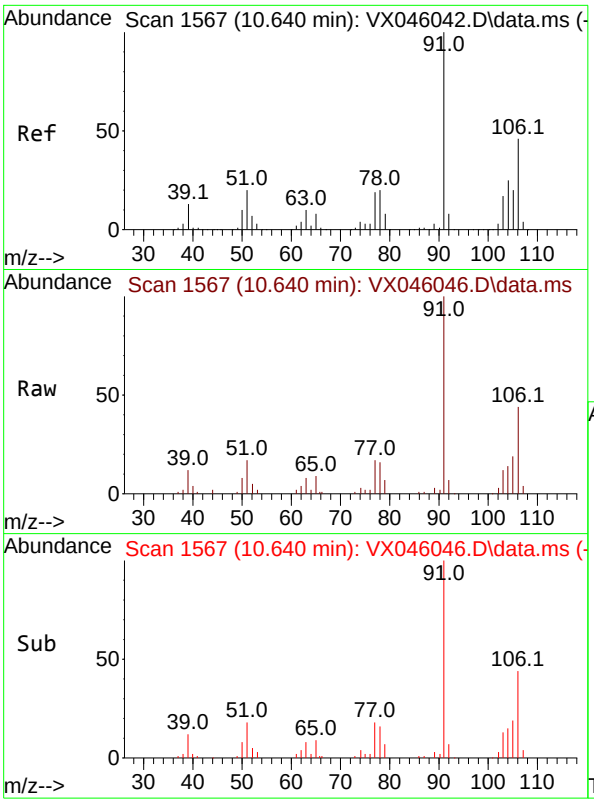




#68
m/p-Xylenes
Concen: 7.156 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:106 Resp: 19957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.1 | 171.2 | 256.8 |



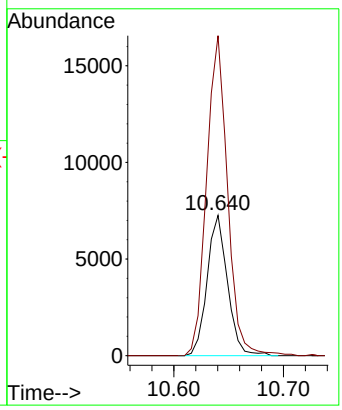


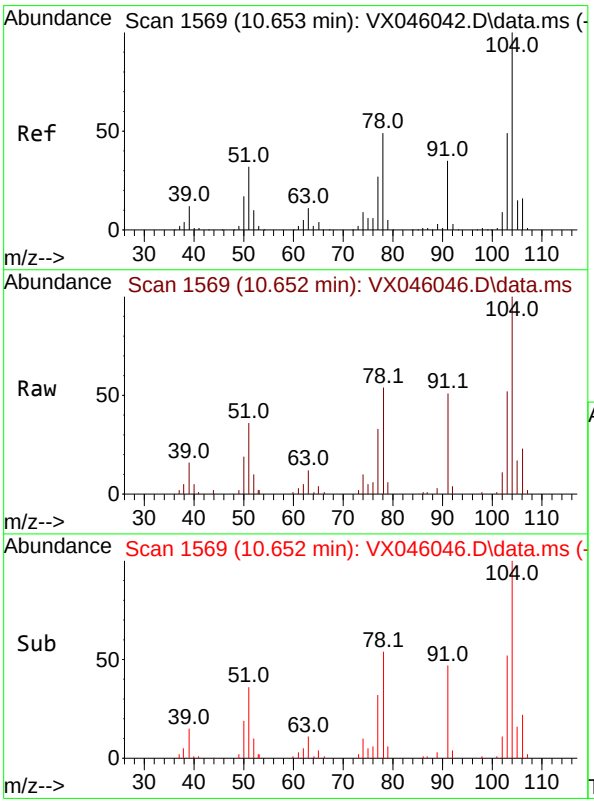

#69
o-Xylene
Concen: 3.343 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:106 Resp: 9398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 233.6 | 112.7 | 338.1 |

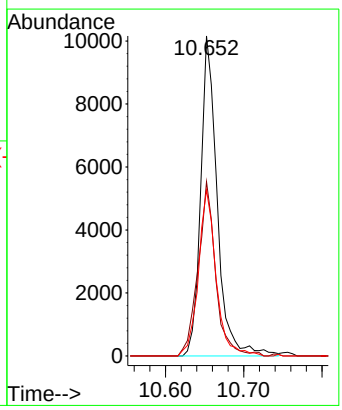


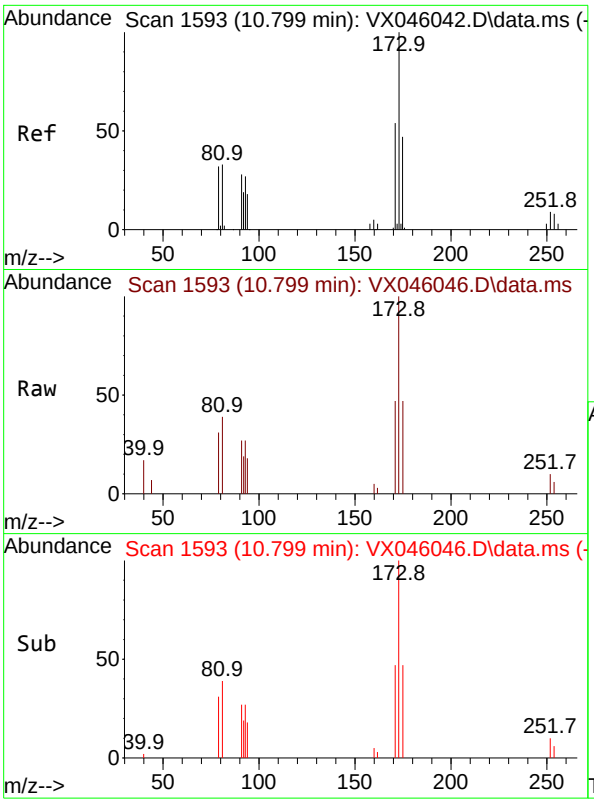




#70
Styrene
Concen: 3.312 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:104 Resp: 14900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.9 | 45.7 | 68.5 |
| 103 | 55.6 | 43.7 | 65.5 |



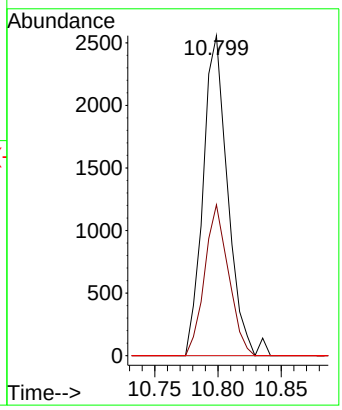


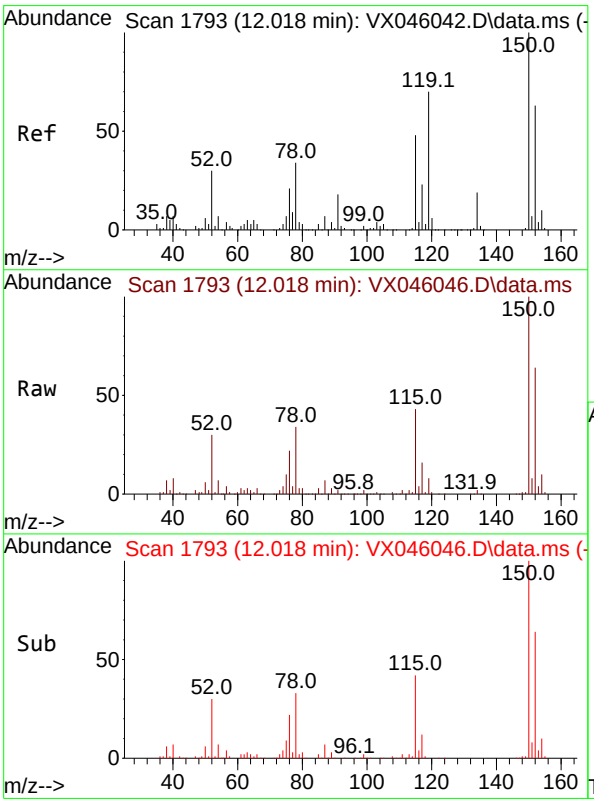

#71
Bromoform
Concen: 3.059 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:173 Resp: 3470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 45.8 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |

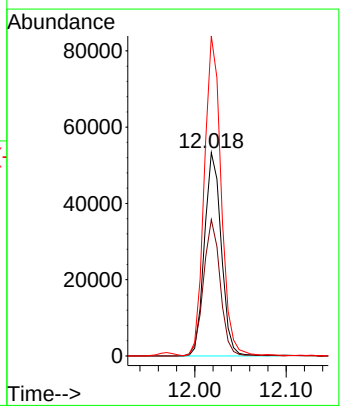


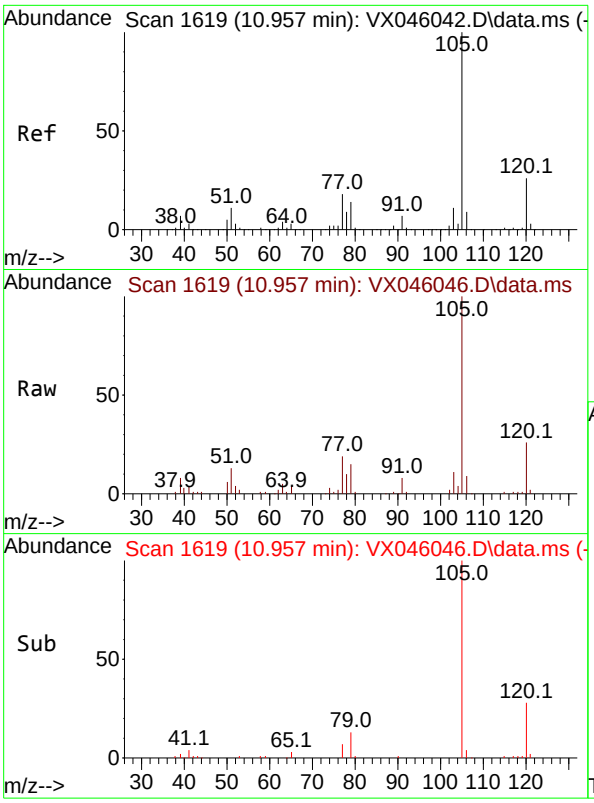




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:152 Resp: 67939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 66.8 | 46.9 | 140.7 |
| 150 | 157.5 | 0.0 | 351.0 |



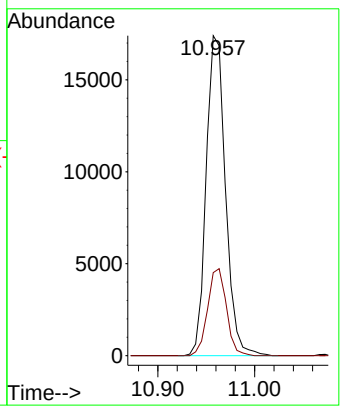


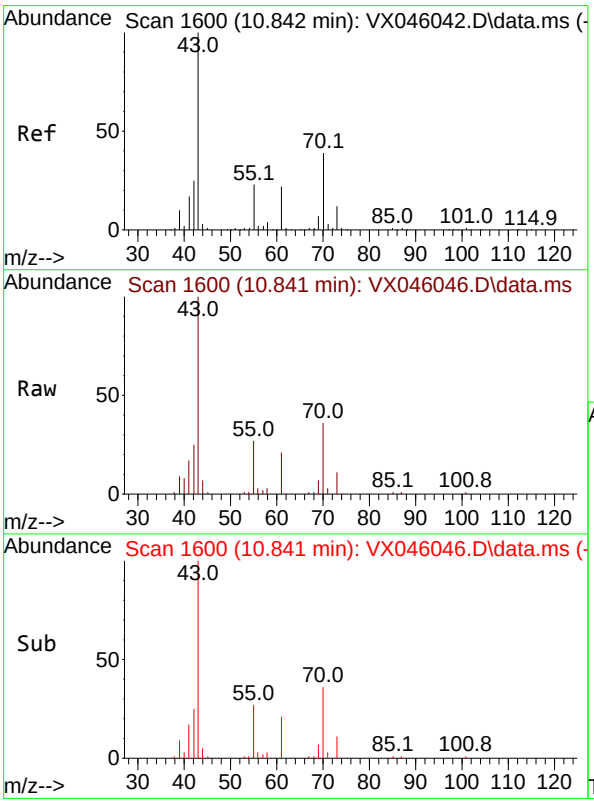

#73
Isopropylbenzene
Concen: 3.266 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:105 Resp: 24201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 12.8 | 38.4 |

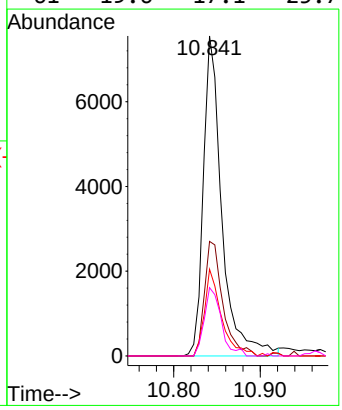


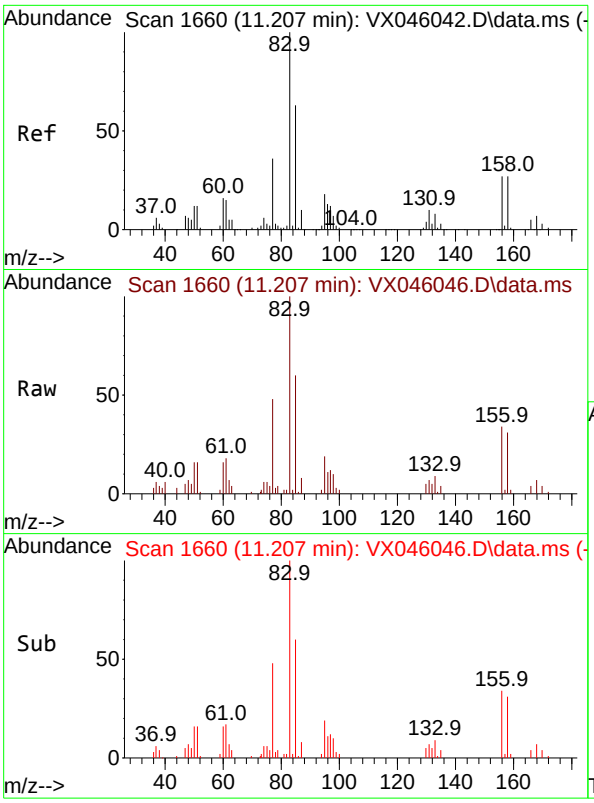




#74
N-amyl acetate
Concen: 3.038 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 11224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 35.4 | 30.9 | 46.3 |
| 55 | 25.0 | 18.7 | 28.1 |
| 61 | 19.6 | 17.1 | 25.7 |



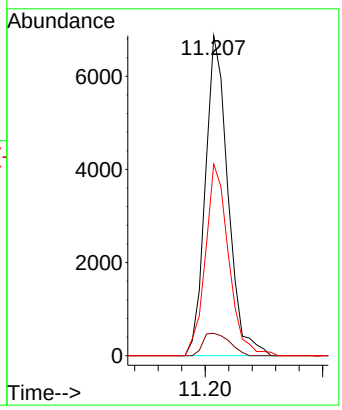


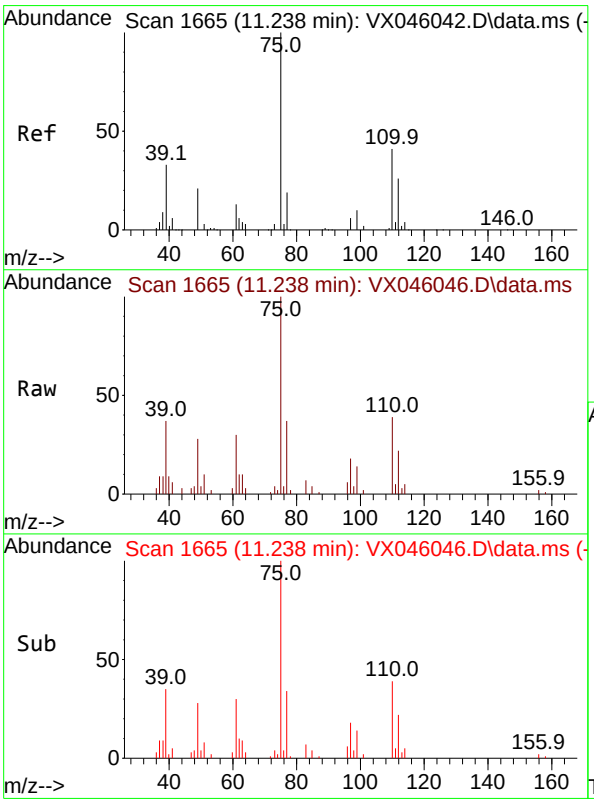

#75
1,1,2,2-Tetrachloroethane
Concen: 3.479 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 83 Resp: 9170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 8.3 | 5.0 | 14.9 |
| 85 | 61.7 | 31.9 | 95.7 |

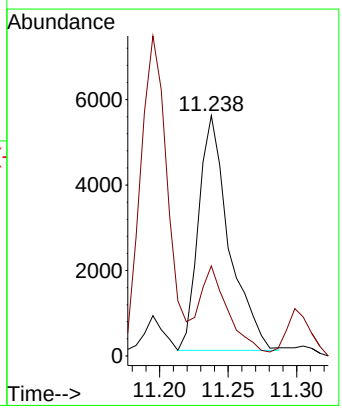


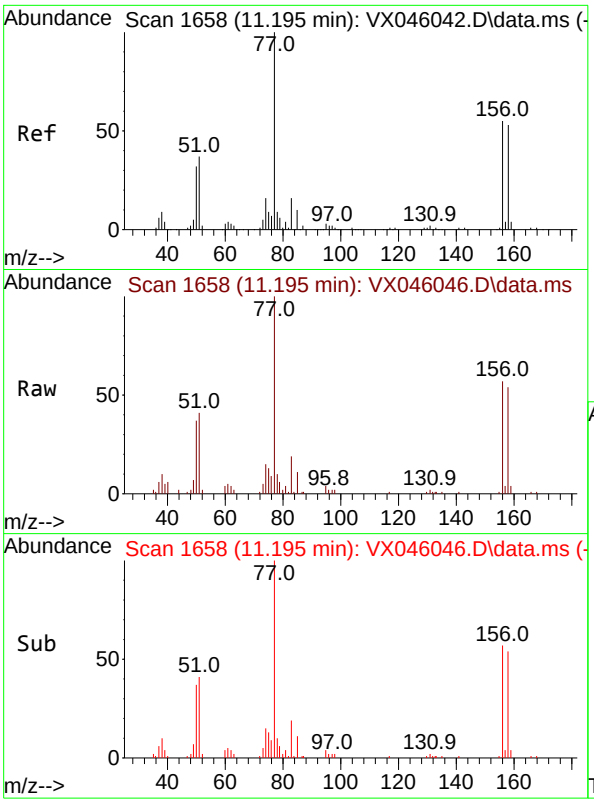




#76
1,2,3-Trichloropropane
Concen: 3.018 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 8548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.7 | 20.5 | 61.5 |



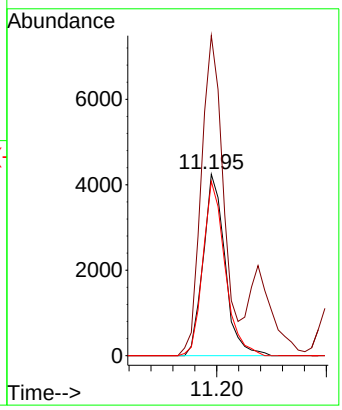


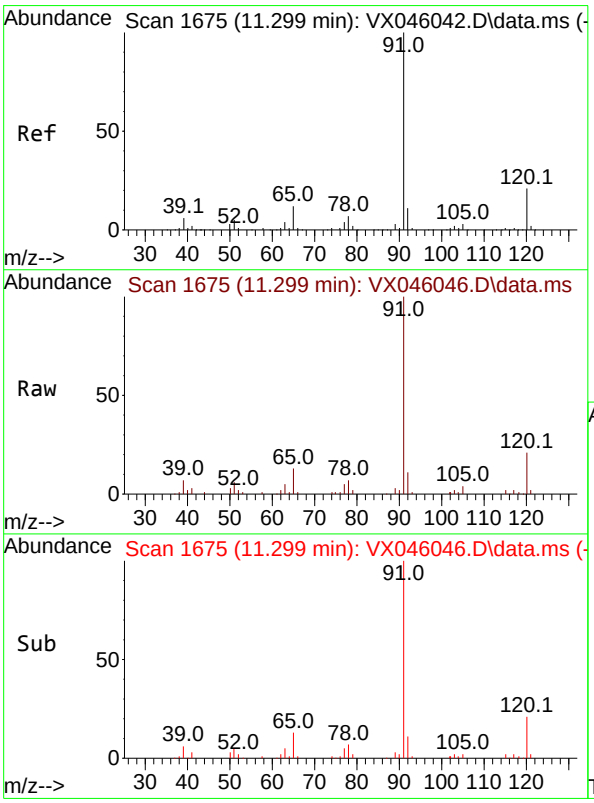

#77
Bromobenzene
Concen: 3.417 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:156 Resp: 5857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 177.0 | 92.8 | 278.3 |
| 158 | 97.7 | 48.8 | 146.3 |

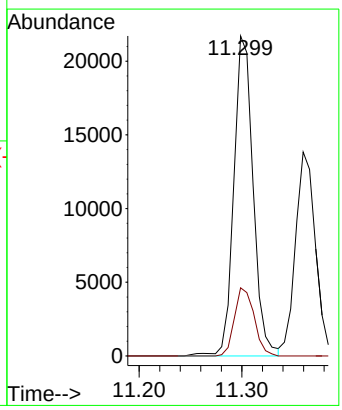


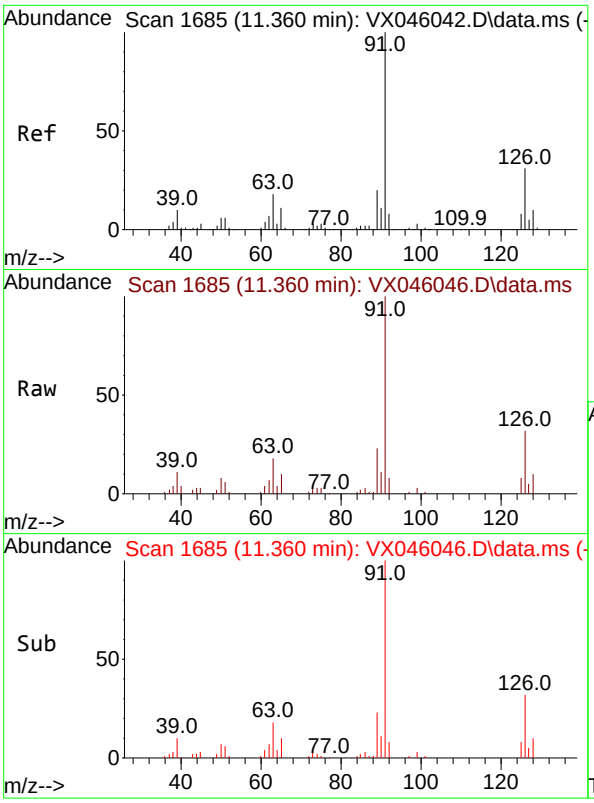




#78
n-propylbenzene
Concen: 3.424 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 28436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.7 | 10.8 | 32.4 |



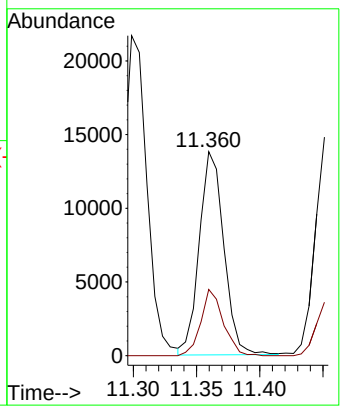


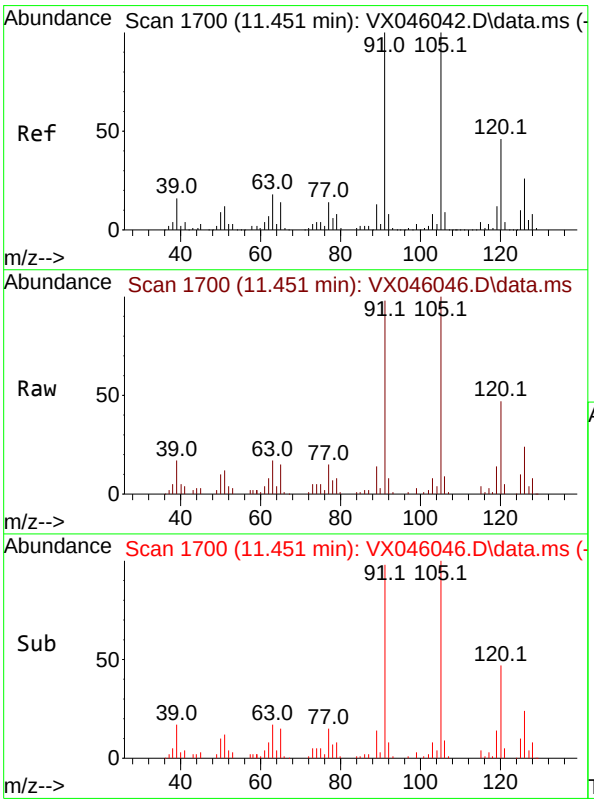

#79
2-Chlorotoluene
Concen: 3.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 91 Resp: 18672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.7 | 15.6 | 46.7 |

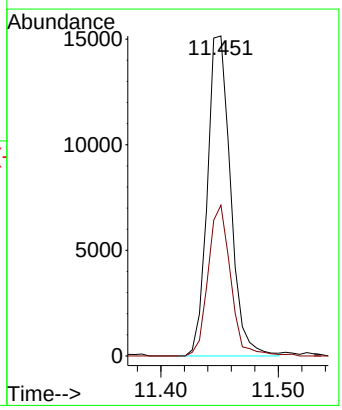


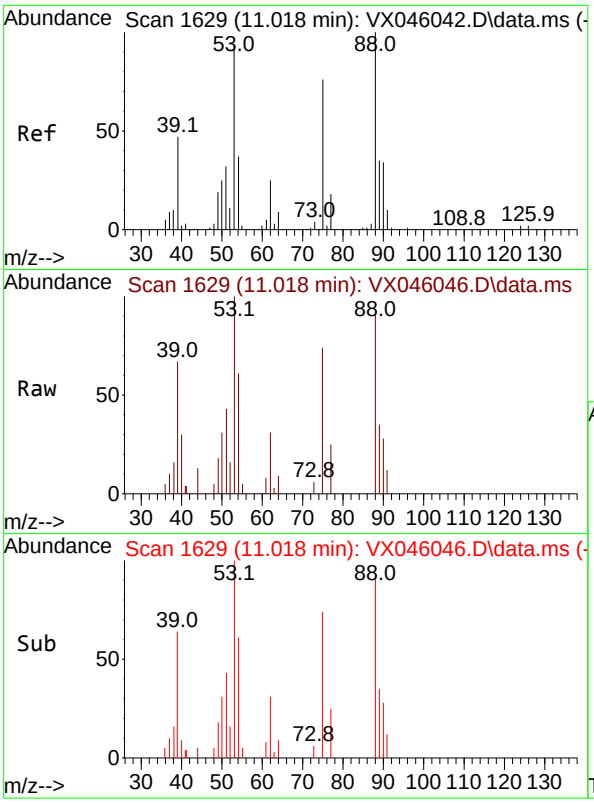




#80
1,3,5-Trimethylbenzene
Concen: 3.372 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.9 | 23.1 | 69.2 |



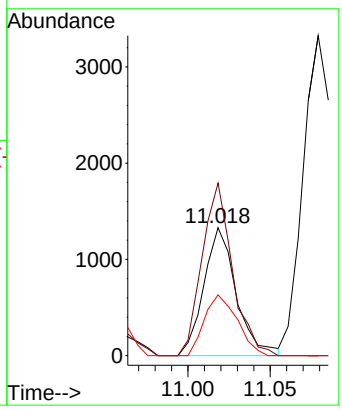


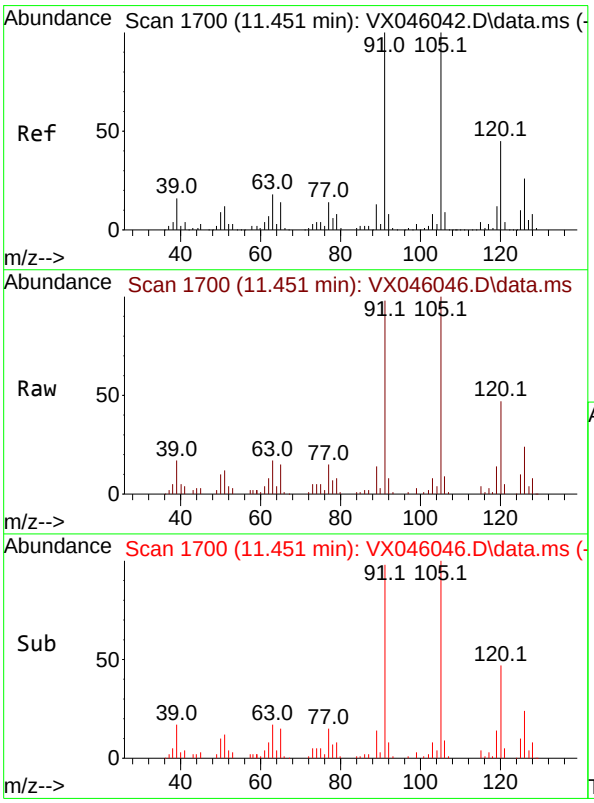

#81
trans-1,4-Dichloro-2-butene
Concen: 2.686 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 75 Resp: 1828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 125.8 | 100.5 | 150.7 |
| 89 | 47.9 | 37.0 | 55.6 |

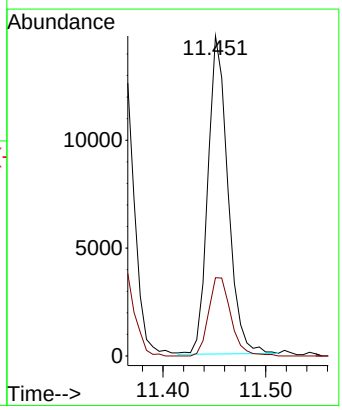


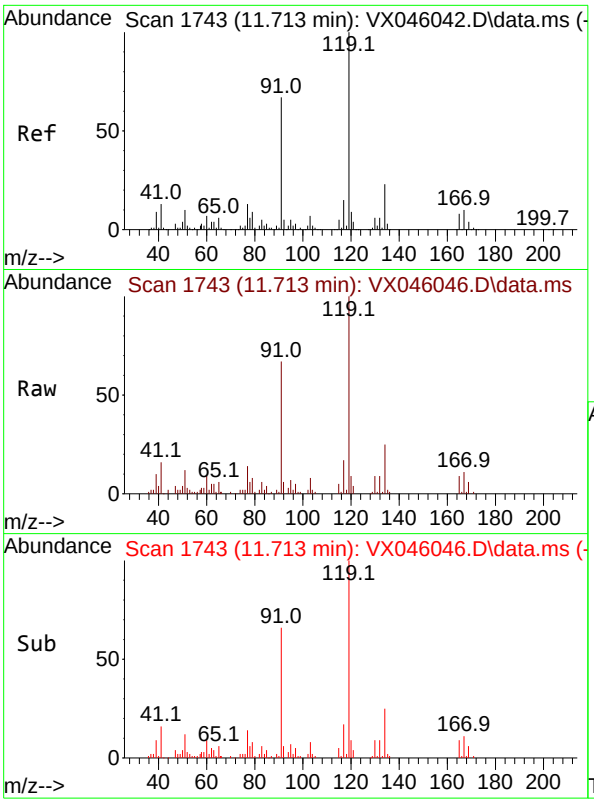




#82
4-Chlorotoluene
Concen: 3.245 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 19966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 27.3 | 13.3 | 39.8 |



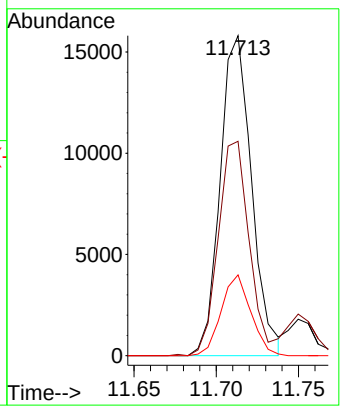


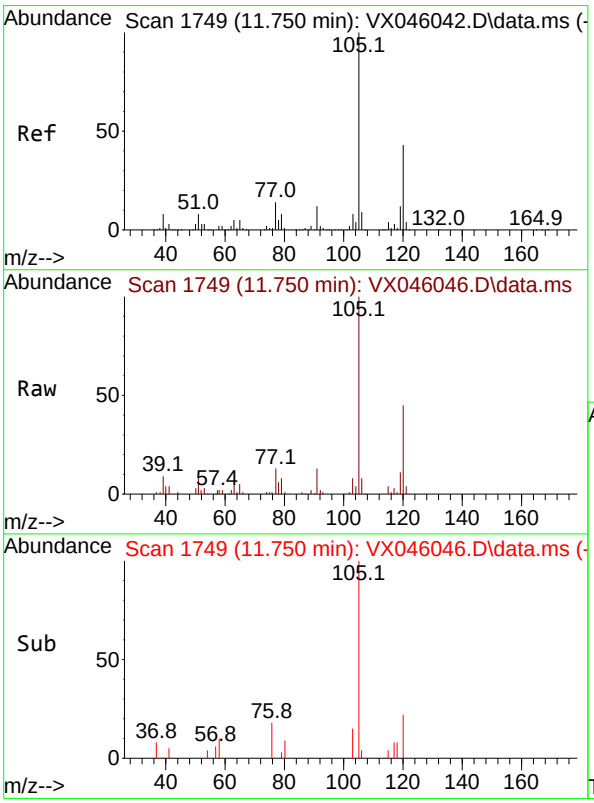

#83
tert-Butylbenzene
Concen: 3.484 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:119 Resp: 21049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 67.0 | 32.9 | 98.7 |
| 134 | 23.8 | 11.4 | 34.1 |

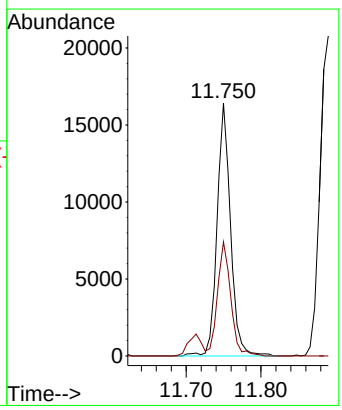


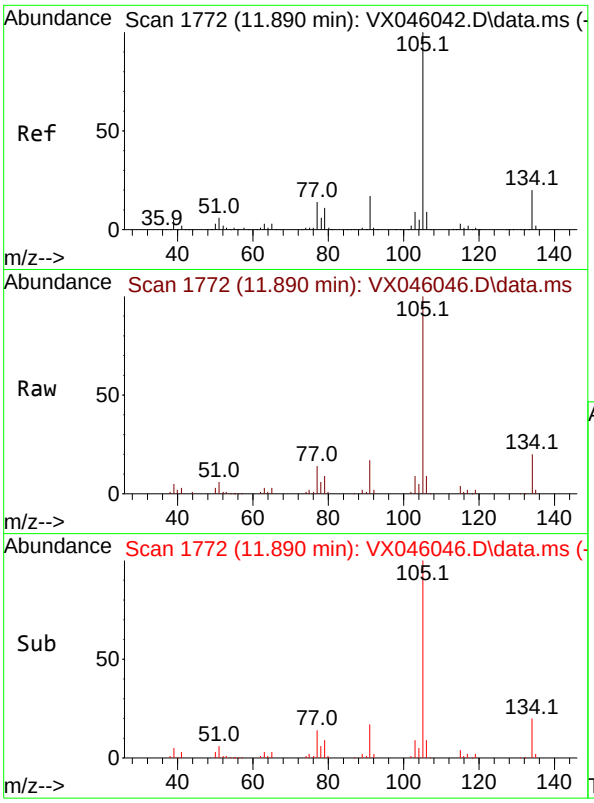




#84
1,2,4-Trimethylbenzene
Concen: 3.355 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.5 | 21.2 | 63.6 |



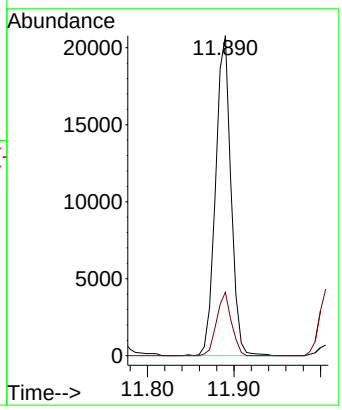


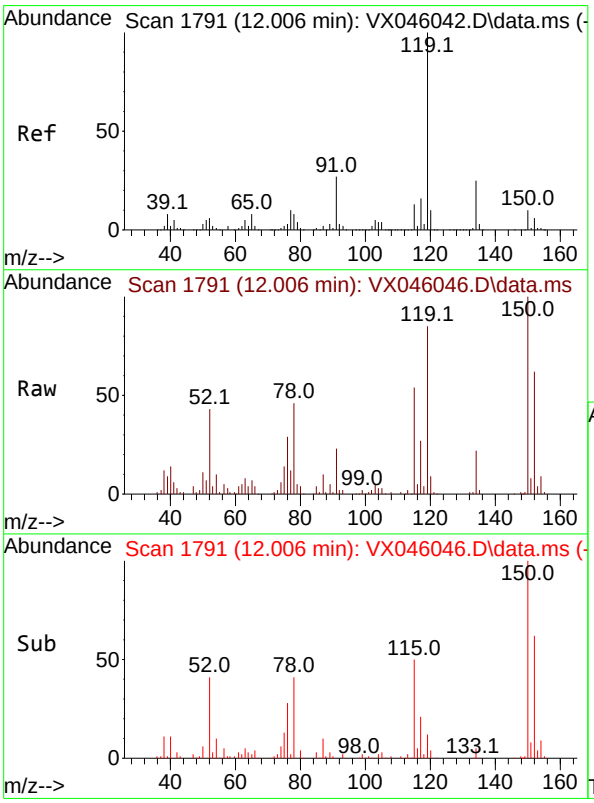

#85
sec-Butylbenzene
Concen: 3.412 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:105 Resp: 25590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.1 | 9.7 | 29.1 |

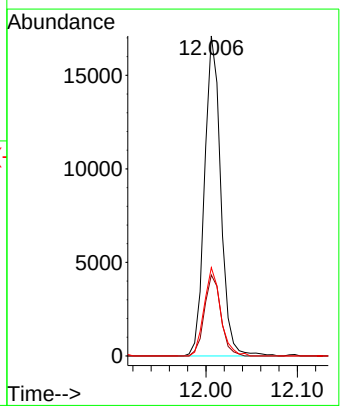


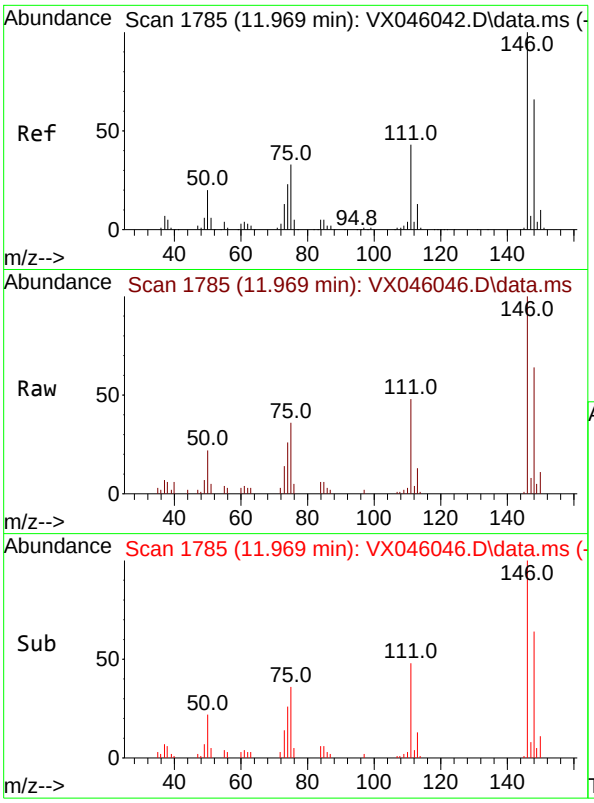




#86
p-Isopropyltoluene
Concen: 3.460 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:119 Resp: 20955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 12.5 | 37.5 |
| 91 | 28.0 | 13.8 | 41.4 |



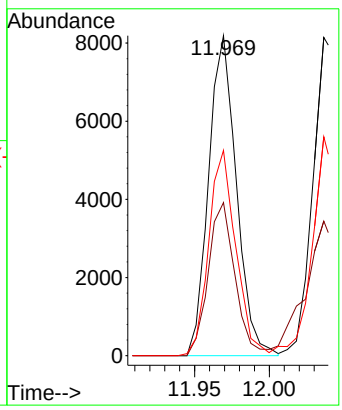


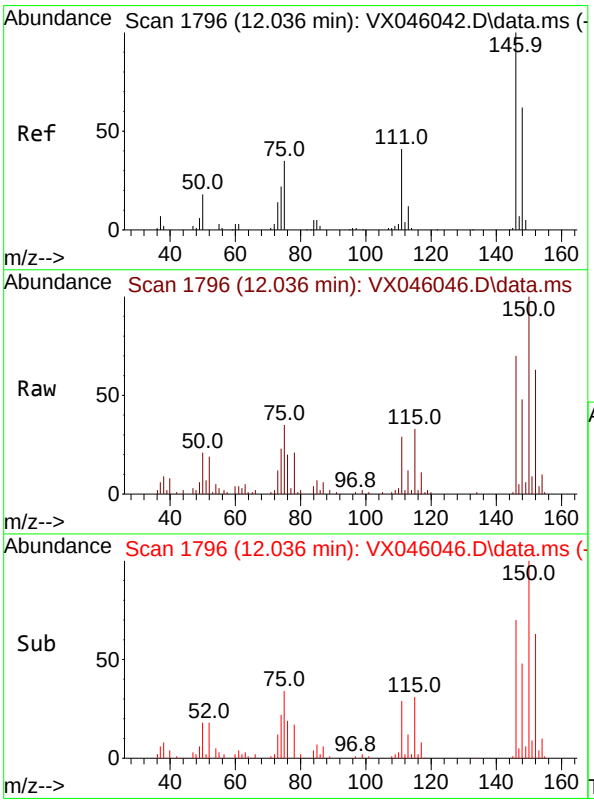

#87
1,3-Dichlorobenzene
Concen: 3.315 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:146 Resp: 10585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.2 | 22.1 | 66.3 |
| 148 | 62.4 | 32.1 | 96.5 |

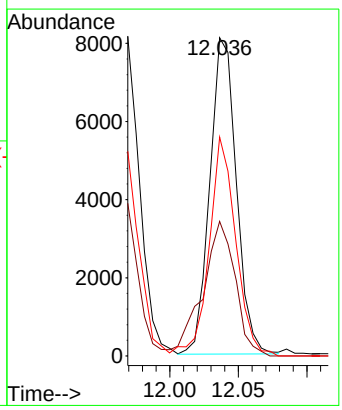


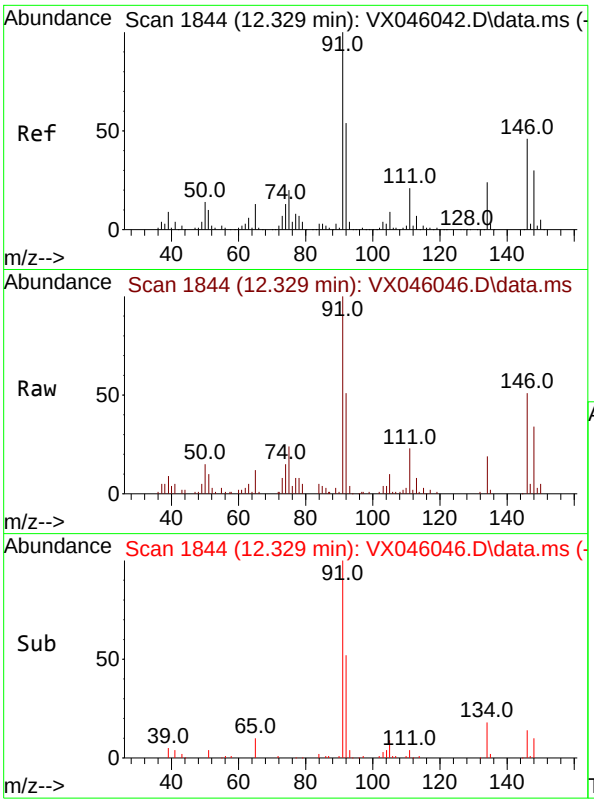




#88
1,4-Dichlorobenzene
Concen: 3.486 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 10908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 52.1 | 21.3 | 63.9 |
| 148 | 69.4 | 31.9 | 95.5 |



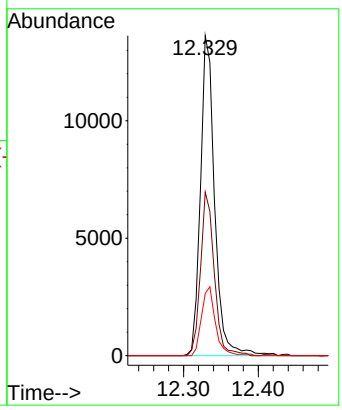


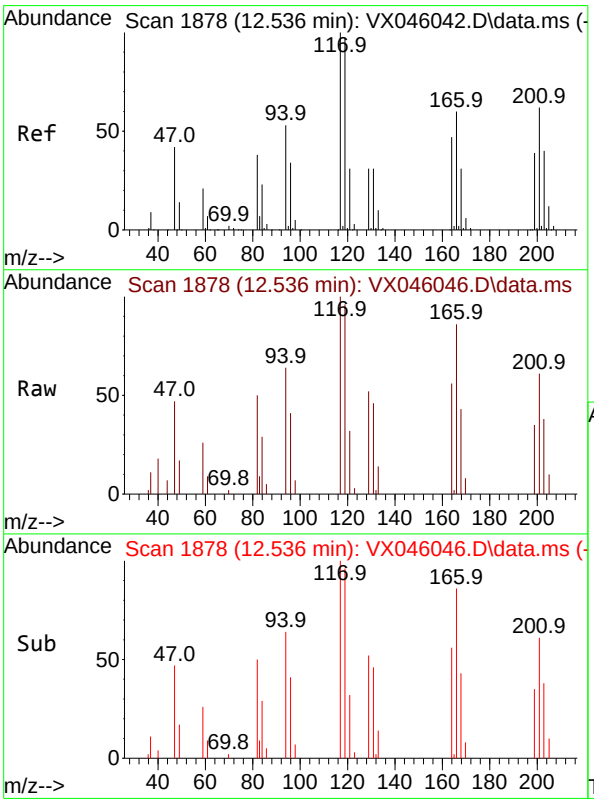

#89
n-Butylbenzene
Concen: 3.419 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion: 91 Resp: 18004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 49.5 | 26.9 | 80.7 |
| 134 | 21.2 | 11.8 | 35.3 |

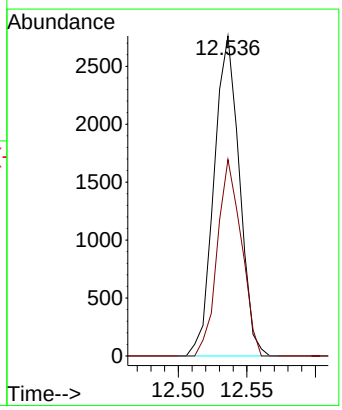


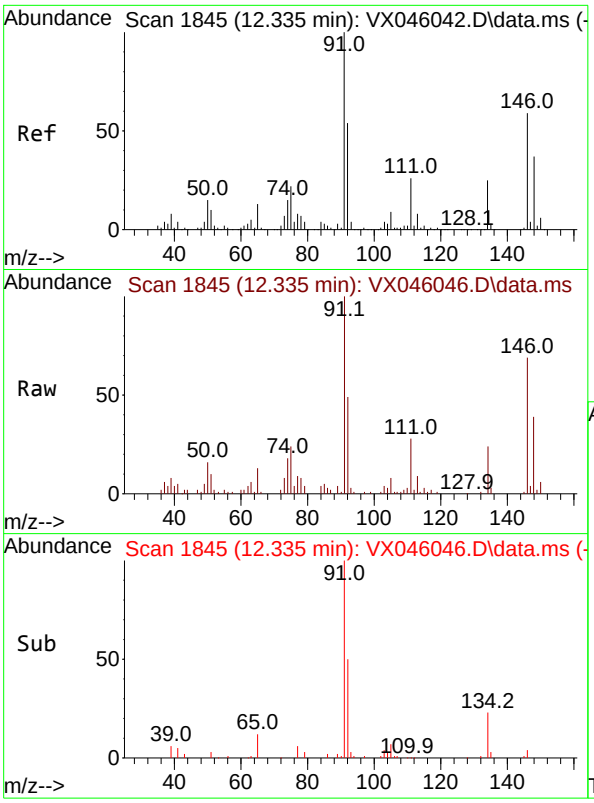




#90
Hexachloroethane
Concen: 3.153 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 3553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 58.5 | 31.6 | 94.7 |



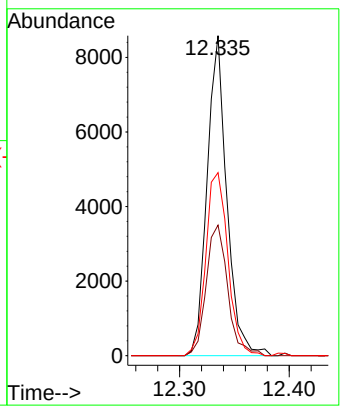


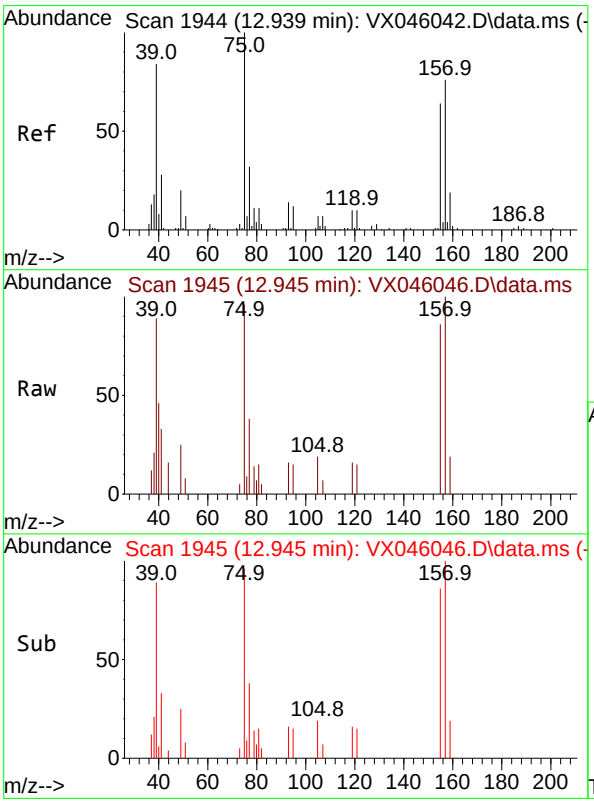

#91
1,2-Dichlorobenzene
Concen: 3.444 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:146 Resp: 10712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.7 | 22.4 | 67.3 |
| 148 | 64.2 | 31.6 | 94.8 |

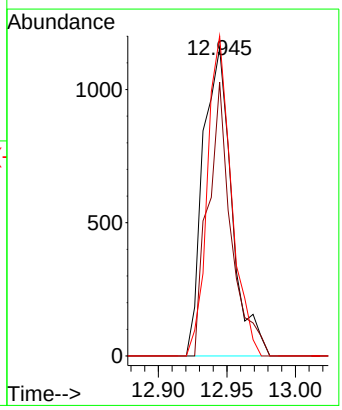


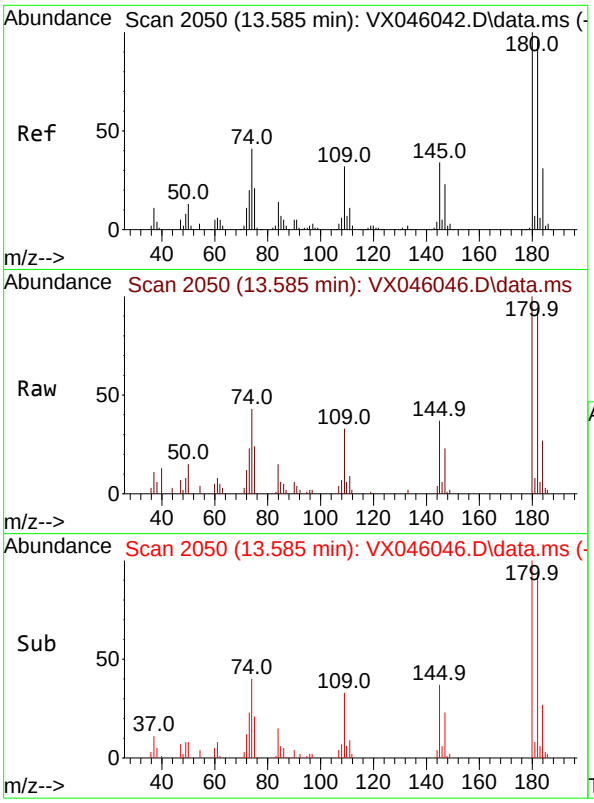




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.812 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 1687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 71.7 | 34.9 | 104.8 |
| 157 | 87.0 | 43.8 | 131.4 |



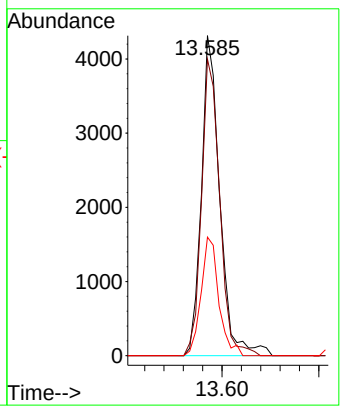


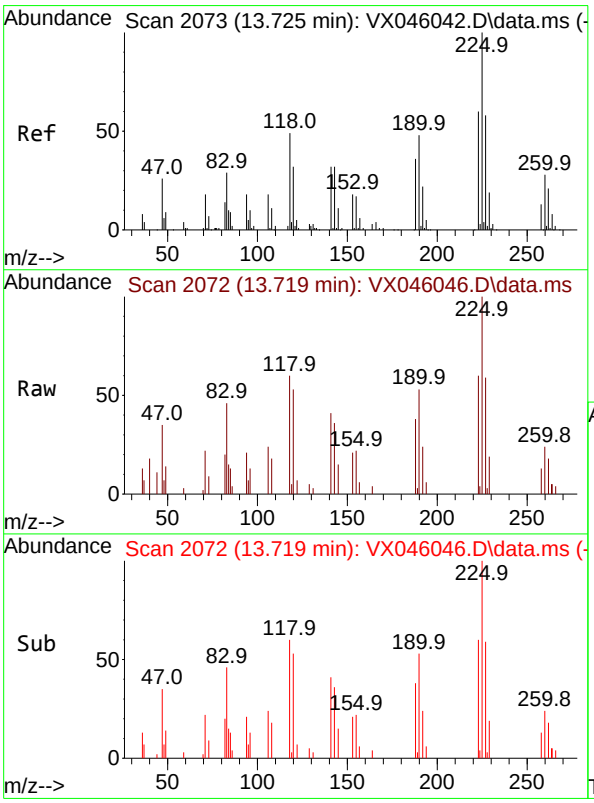

#93
1,2,4-Trichlorobenzene
Concen: 3.359 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:180 Resp: 5720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.6 | 47.9 | 143.8 |
| 145 | 35.7 | 17.1 | 51.2 |

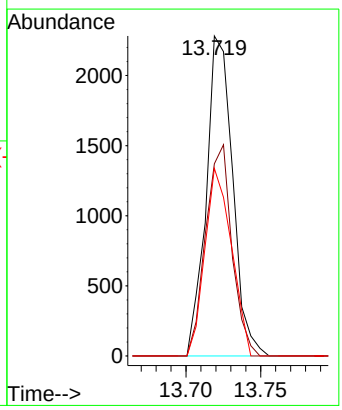


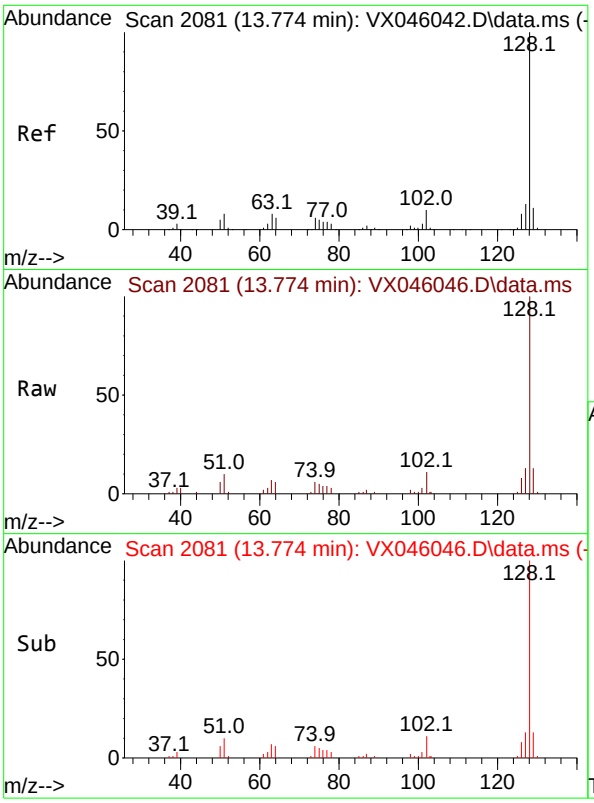




#94
Hexachlorobutadiene
Concen: 3.535 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:225 Resp: 2816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.1 | 30.8 | 92.4 |
| 227 | 58.8 | 30.9 | 92.7 |



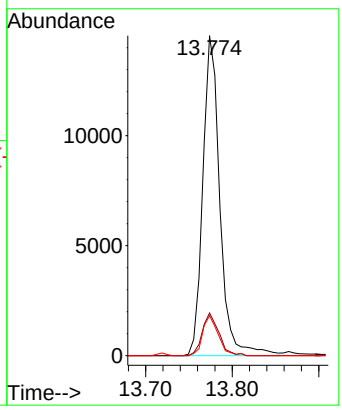


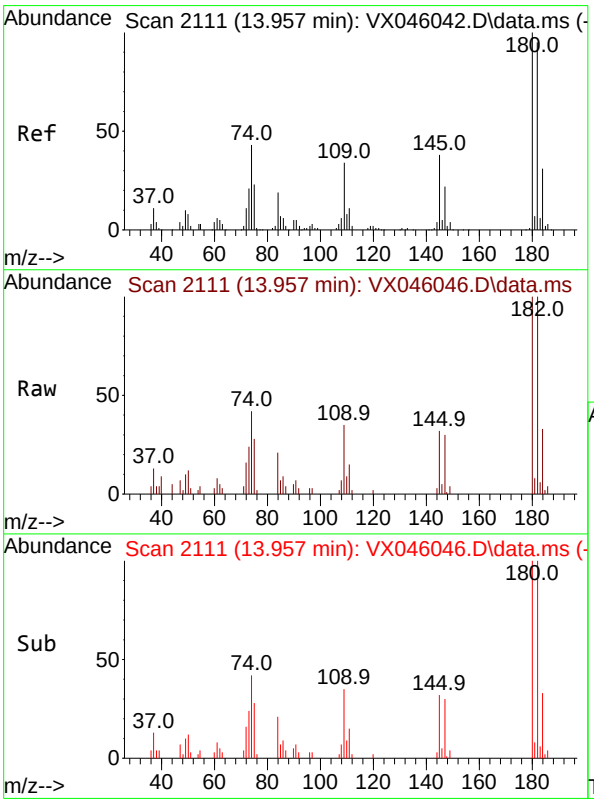

#95
Naphthalene
Concen: 3.209 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Tgt Ion:128 Resp: 19902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.4 | 15.6 |
| 129 | 11.5 | 8.6 | 13.0 |

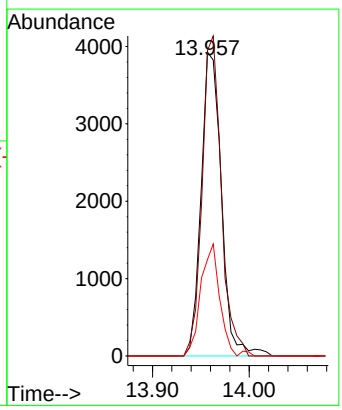



#96
1,2,3-Trichlorobenzene
Concen: 3.217 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:180 Resp: 5745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 99.1 | 47.8 | 143.3 |
| 145 | 34.8 | 18.1 | 54.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 92040 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 167022 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 140108 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 59123 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.970 | 65 | 2188 | 0.799 | ug/l | | 0.02 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 1.600%# | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 1350 | 0.721 | ug/l | | 0.01 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 1.440%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 3964 | 0.628 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 1.260%# | | | |
| 62) 4-Bromofluorobenzene | 11.085 | 95 | 1250 | 0.545 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 1.080%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 1211 | 0.596 | ug/l | | 98 |
| 3) Chloromethane | 1.307 | 50 | 1278 | 0.639 | ug/l | | 97 |
| 4) Vinyl Chloride | 1.374 | 62 | 1239 | 0.707 | ug/l | # | 82 |
| 5) Bromomethane | 1.593 | 94 | 770 | 0.866 | ug/l | | 88 |
| 6) Chloroethane | 1.678 | 64 | 859 | 0.951 | ug/l | | 91 |
| 7) Trichlorofluoromethane | 1.880 | 101 | 1959 | 0.734 | ug/l | | 95 |
| 8) Diethyl Ether | 2.130 | 74 | 742 | 0.845 | ug/l | | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 1166 | 0.731 | ug/l | | 96 |
| 10) Methyl Iodide | 2.441 | 142 | 1297 | 0.692 | ug/l | # | 87 |
| 11) Tert butyl alcohol | 2.965 | 59 | 1176 | 3.604 | ug/l | # | 78 |
| 12) 1,1-Dichloroethene | 2.313 | 96 | 1093 | 0.704 | ug/l | # | 87 |
| 13) Acrolein | 2.233 | 56 | 1374 | 3.625 | ug/l | | 83 |
| 14) Allyl chloride | 2.654 | 41 | 1936 | 0.660 | ug/l | | 89 |
| 15) Acrylonitrile | 3.075 | 53 | 3343 | 3.424 | ug/l | | 98 |
| 16) Acetone | 2.380 | 43 | 3500 | 3.736 | ug/l | | 97 |
| 17) Carbon Disulfide | 2.508 | 76 | 2619 | 0.728 | ug/l | | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 1852 | 0.828 | ug/l | | 98 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 3588 | 0.662 | ug/l | | 96 |
| 20) Methylene Chloride | 2.782 | 84 | 1571 | 0.828 | ug/l | # | 90 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 1111 | 0.701 | ug/l | # | 71 |
| 22) Diisopropyl ether | 3.757 | 45 | 3857 | 0.703 | ug/l | # | 26 |
| 23) Vinyl Acetate | 3.727 | 43 | 15283 | 3.154 | ug/l | | 96 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 2054 | 0.637 | ug/l | | 97 |
| 25) 2-Butanone | 4.593 | 43 | 4558 | 3.371 | ug/l | | 92 |
| 26) 2,2-Dichloropropane | 4.458 | 77 | 1777 | 0.728 | ug/l | | 84 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 1324 | 0.693 | ug/l | | 91 |
| 28) Bromochloromethane | 4.910 | 49 | 682 | 0.398 | ug/l | # | 63 |
| 29) Tetrahydrofuran | 5.019 | 42 | 2931 | 3.338 | ug/l | | 99 |
| 30) Chloroform | 5.093 | 83 | 2328 | 0.695 | ug/l | | 98 |
| 31) Cyclohexane | 5.458 | 56 | 2072 | 0.763 | ug/l | | 88 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 1869 | 0.647 | ug/l | # | 51 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 1648 | 0.758 | ug/l | # | 83 |
| 37) Ethyl Acetate | 4.733 | 43 | 1447 | 0.531 | ug/l | # | 72 |
| 38) Carbon Tetrachloride | 5.678 | 117 | 1807 | 0.724 | ug/l | # | 78 |
| 39) Methylcyclohexane | 7.373 | 83 | 2096 | 0.770 | ug/l | | 97 |
| 40) Benzene | 6.044 | 78 | 4502 | 0.668 | ug/l | # | 89 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.946 | 41 | 778 | 0.513 ug/l # | 56 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 1934 | 0.694 ug/l | 81 |
| 43) Isopropyl Acetate | 6.354 | 43 | 2553 | 0.612 ug/l # | 81 |
| 44) Trichloroethene | 7.135 | 130 | 1083 | 0.680 ug/l | 85 |
| 45) 1,2-Dichloropropane | 7.440 | 63 | 1059 | 0.633 ug/l | 89 |
| 46) Dibromomethane | 7.586 | 93 | 880 | 0.667 ug/l | 97 |
| 47) Bromodichloromethane | 7.818 | 83 | 1620 | 0.633 ug/l # | 91 |
| 48) Methyl methacrylate | 7.714 | 41 | 1033 | 0.483 ug/l # | 71 |
| 49) 1,4-Dioxane | 7.677 | 88 | 498 | 11.703 ug/l # | 66 |
| 51) 4-Methyl-2-Pentanone | 8.580 | 43 | 9378 | 3.430 ug/l | 97 |
| 52) Toluene | 8.720 | 92 | 2684 | 0.672 ug/l | 96 |
| 53) t-1,3-Dichloropropene | 8.988 | 75 | 1238 | 0.576 ug/l # | 79 |
| 54) cis-1,3-Dichloropropene | 8.379 | 75 | 1414 | 0.564 ug/l # | 87 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 1029 | 0.637 ug/l | 92 |
| 56) Ethyl methacrylate | 9.128 | 69 | 1260 | 0.504 ug/l # | 76 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 2036 | 0.711 ug/l | 97 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 3846 | 3.420 ug/l | 94 |
| 59) 2-Hexanone | 9.439 | 43 | 6424 | 3.096 ug/l | 88 |
| 60) Dibromochloromethane | 9.525 | 129 | 1023 | 0.582 ug/l | 93 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 1077 | 0.650 ug/l | 98 |
| 64) Tetrachloroethene | 9.275 | 164 | 972 | 0.679 ug/l | 95 |
| 65) Chlorobenzene | 10.079 | 112 | 3170 | 0.735 ug/l | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 1035 | 0.720 ug/l # | 67 |
| 67) Ethyl Benzene | 10.195 | 91 | 5052 | 0.687 ug/l | 94 |
| 68) m/p-Xylenes | 10.299 | 106 | 3630 | 1.367 ug/l | 97 |
| 69) o-Xylene | 10.640 | 106 | 1799 | 0.672 ug/l | 94 |
| 70) Styrene | 10.659 | 104 | 2664 | 0.622 ug/l | 98 |
| 71) Bromoform | 10.799 | 173 | 657 | 0.608 ug/l # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 4480 | 0.695 ug/l | 96 |
| 74) N-amyl acetate | 10.854 | 43 | 2028 | 0.631 ug/l # | 91 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 1835 | 0.800 ug/l | 94 |
| 76) 1,2,3-Trichloropropane | 11.244 | 75 | 1858 | 0.754 ug/l | 77 |
| 77) Bromobenzene | 11.201 | 156 | 1095 | 0.734 ug/l | 96 |
| 78) n-propylbenzene | 11.305 | 91 | 5052 | 0.699 ug/l | 97 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 3765 | 0.773 ug/l | 94 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 3590 | 0.671 ug/l | 96 |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75 | 252 | 0.425 ug/l # | 71 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 3815 | 0.713 ug/l | 97 |
| 83) tert-Butylbenzene | 11.713 | 119 | 3951 | 0.751 ug/l | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.756 | 105 | 3725 | 0.697 ug/l | 97 |
| 85) sec-Butylbenzene | 11.890 | 105 | 4385 | 0.672 ug/l | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 3577 | 0.679 ug/l | 94 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 1914 | 0.689 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 11.969 | 146 | 1914 | 0.703 ug/l | 98 |
| 89) n-Butylbenzene | 12.335 | 91 | 2889 | 0.631 ug/l | 92 |
| 90) Hexachloroethane | 12.536 | 117 | 604 | 0.616 ug/l | 99 |
| 91) 1,2-Dichlorobenzene | 12.341 | 146 | 2022 | 0.747 ug/l | 95 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 306 | 0.586 ug/l | 83 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 1019 | 0.688 ug/l | 94 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 465 | 0.671 ug/l | 89 |
| 95) Naphthalene | 13.780 | 128 | 4138 | 0.767 ug/l | 97 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 1113 | 0.716 ug/l | 96 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

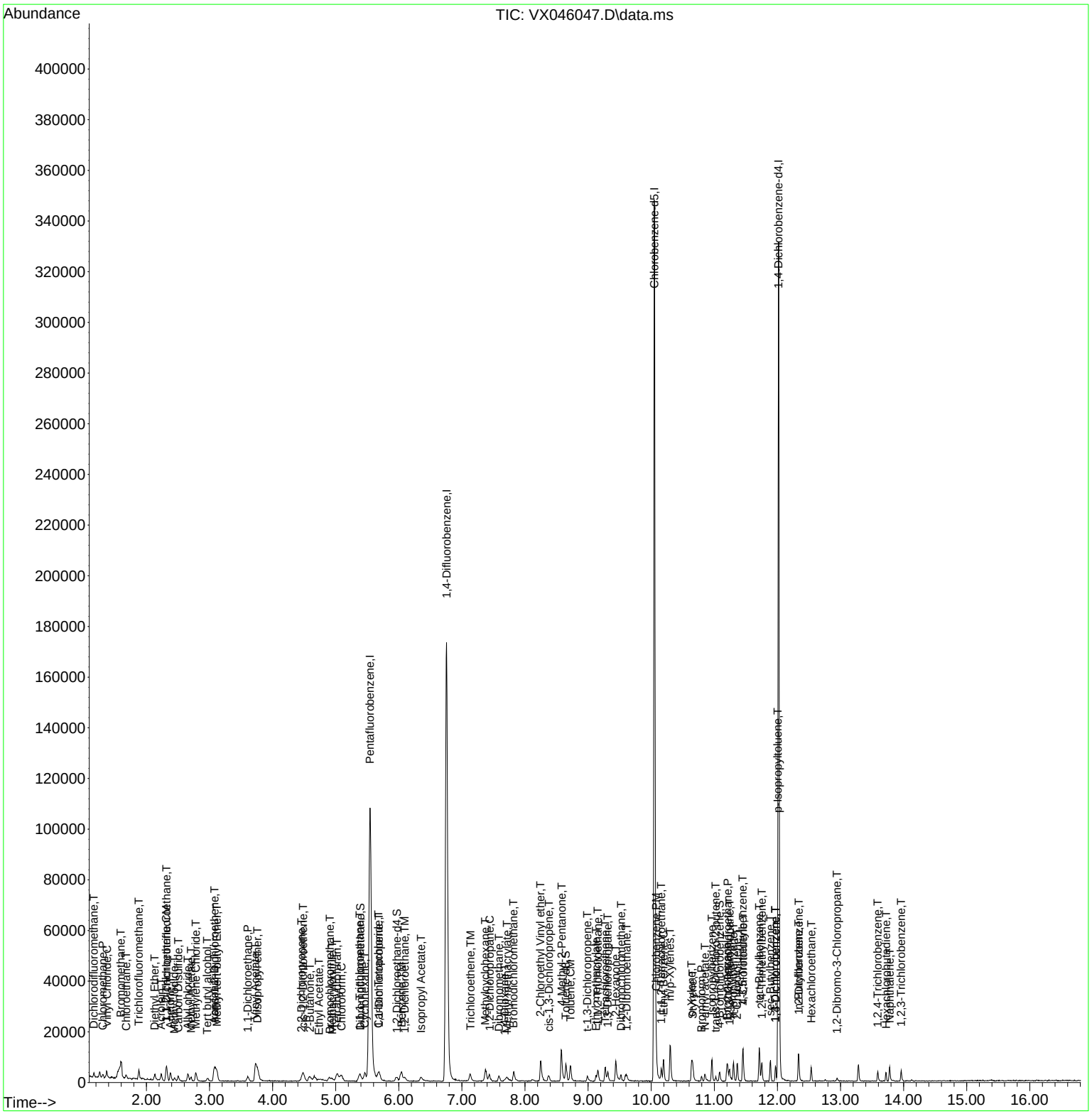
(#) = qualifier out of range (m) = manual integration (+) = signals summed

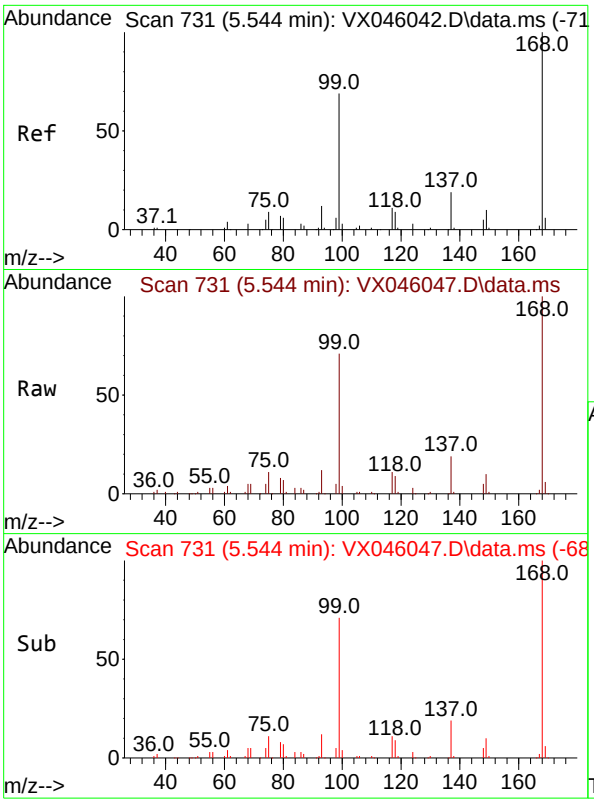
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



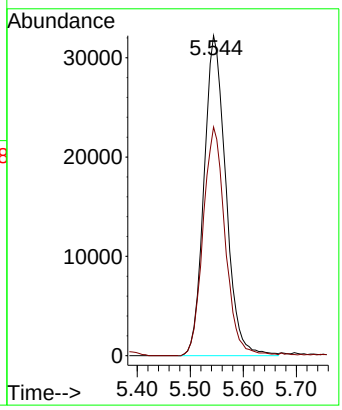


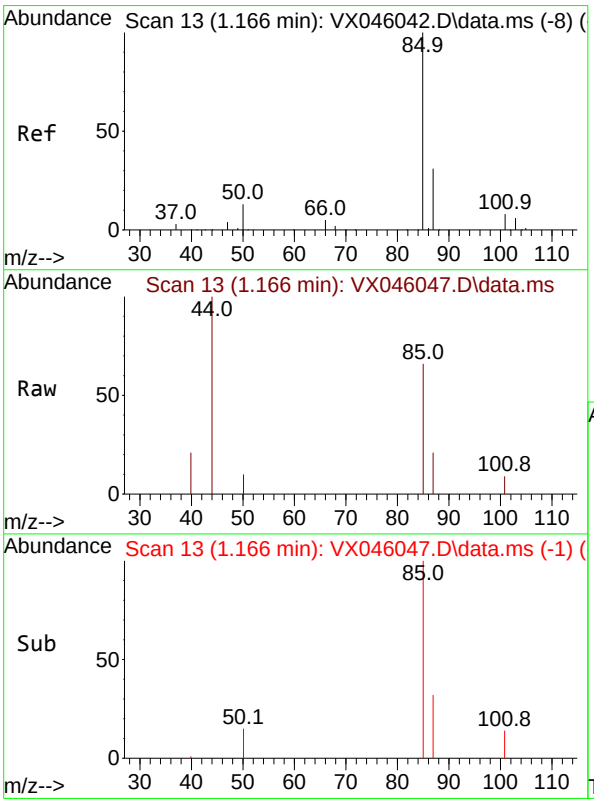

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:168 Resp: 92040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 71.5 | 54.9 | 82.3 |

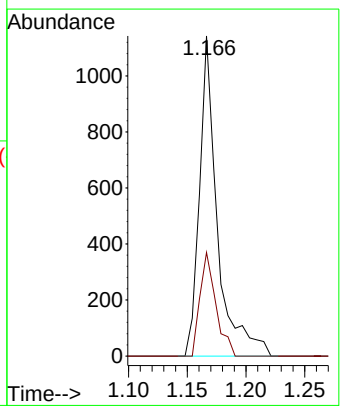


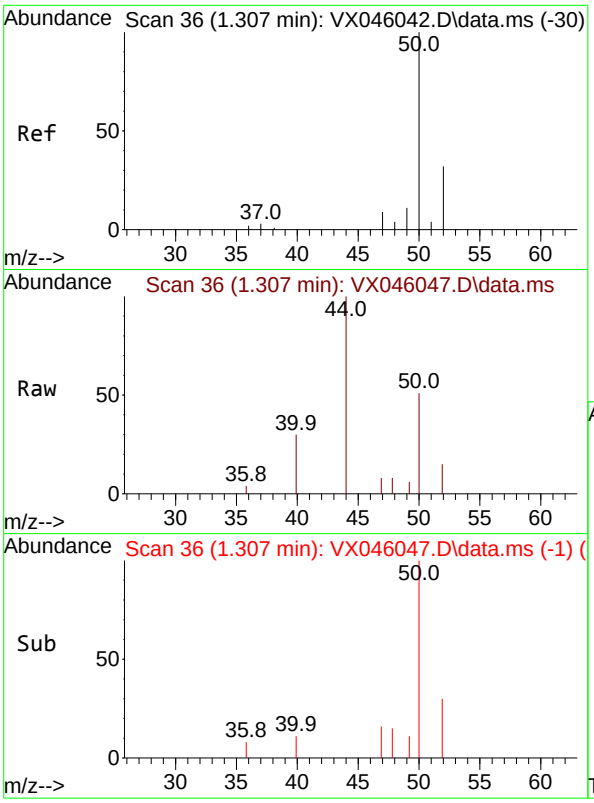




#2
Dichlorodifluoromethane
Concen: 0.596 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 85 Resp: 1211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 15.7 | 47.1 |



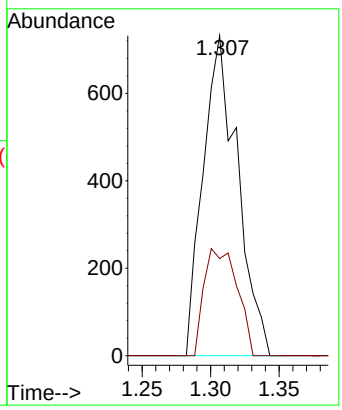


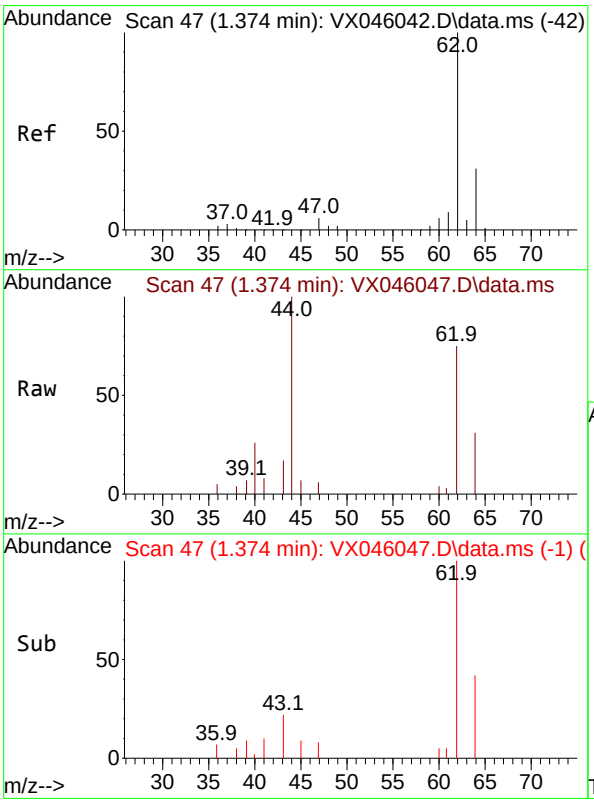

#3
Chloromethane
Concen: 0.639 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 50 Resp: 1278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.3 | 25.4 | 38.2 |

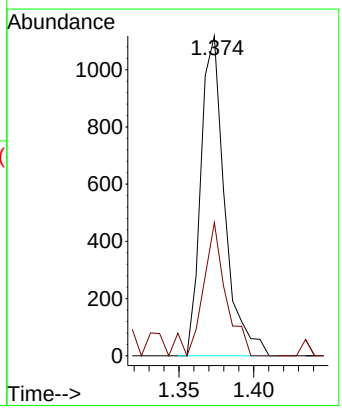


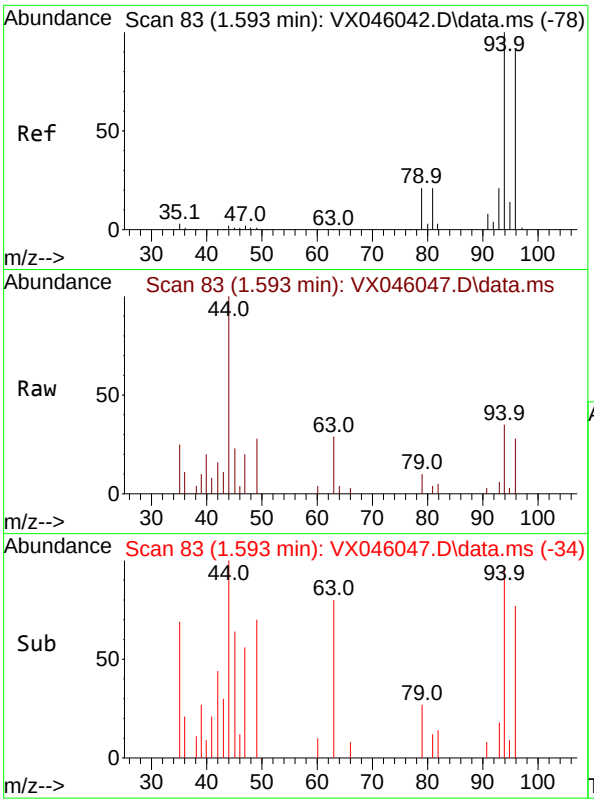




#4
Vinyl Chloride
Concen: 0.707 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 1239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 41.7 | 25.2 | 37.8# |



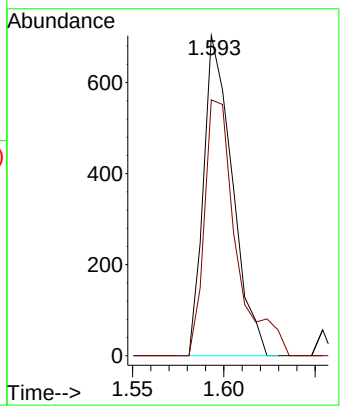


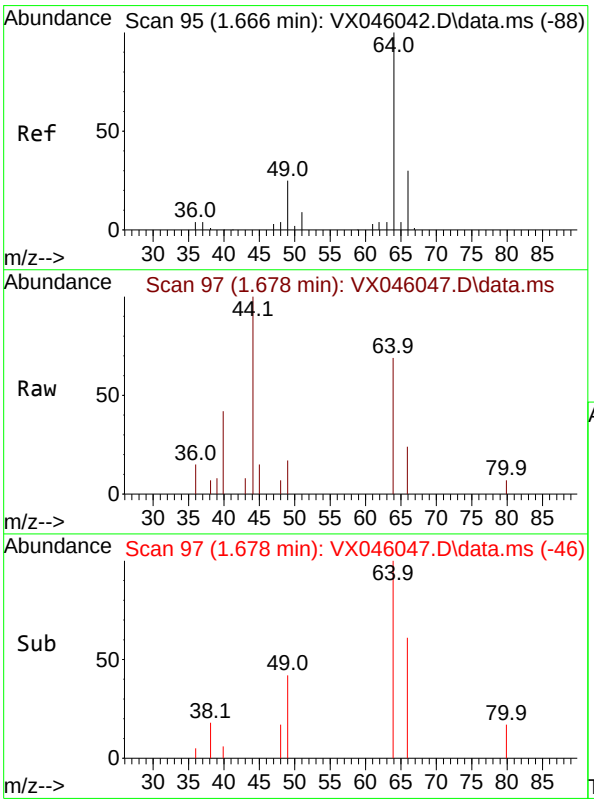

#5
Bromomethane
Concen: 0.866 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 94 Resp: 770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 79.9 | 72.8 | 109.2 |

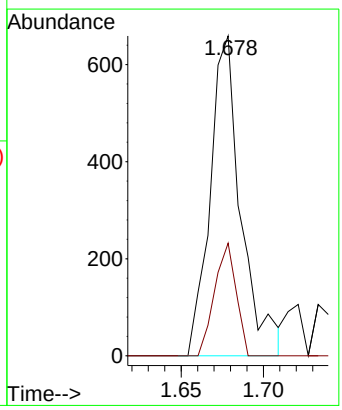


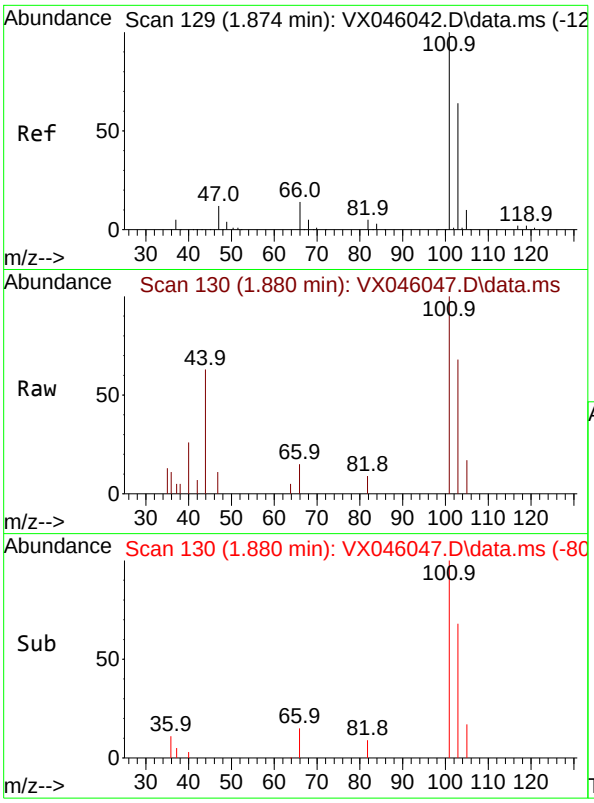




#6
Chloroethane
Concen: 0.951 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 64 Resp: 859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.2 | 24.3 | 36.5 |



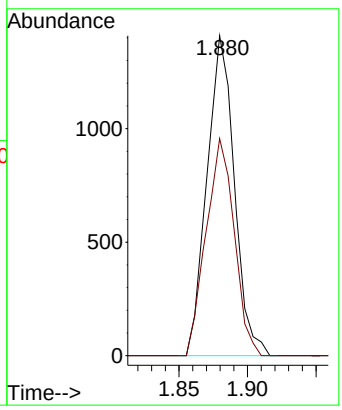


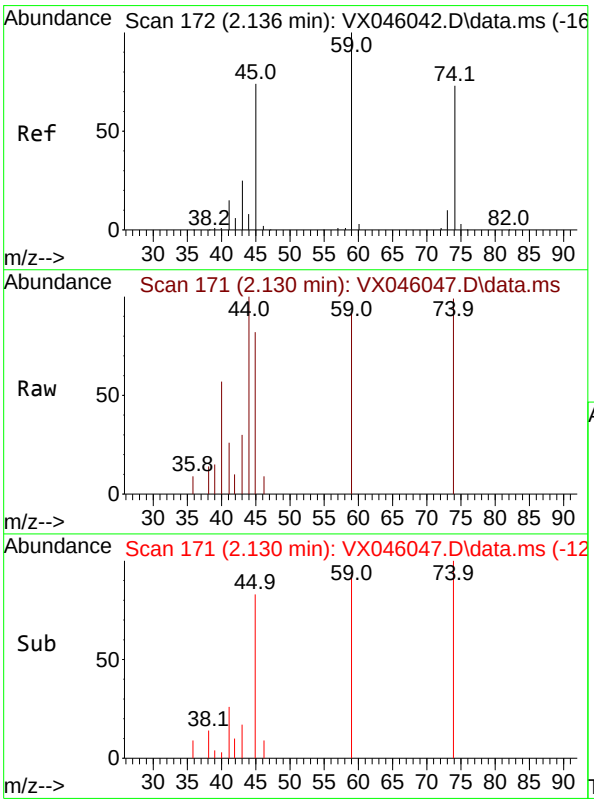

#7
Trichlorofluoromethane
Concen: 0.734 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:101 Resp: 1959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.8 | 51.0 | 76.4 |

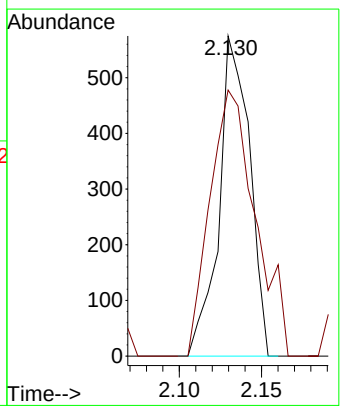


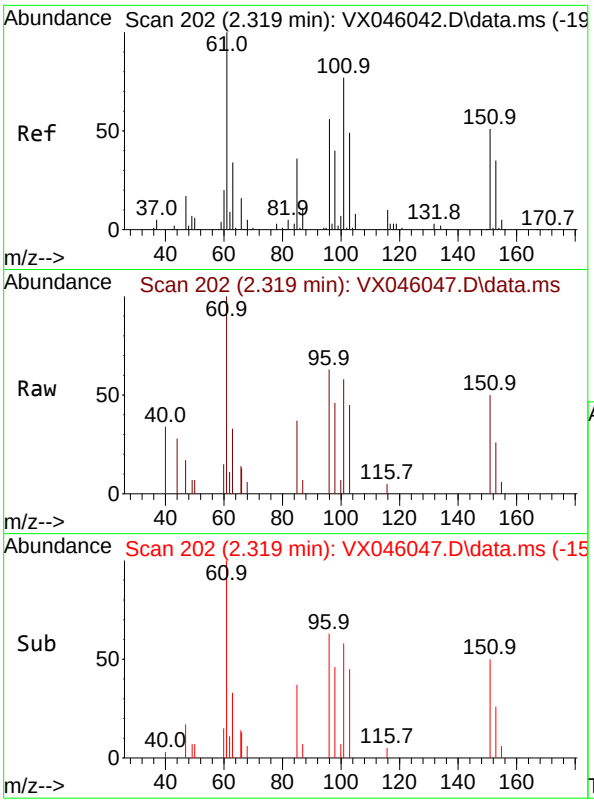




#8
Diethyl Ether
Concen: 0.845 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 74 Resp: 742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 123.6 | 54.9 | 164.8 |



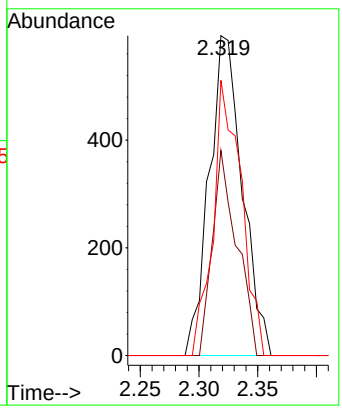


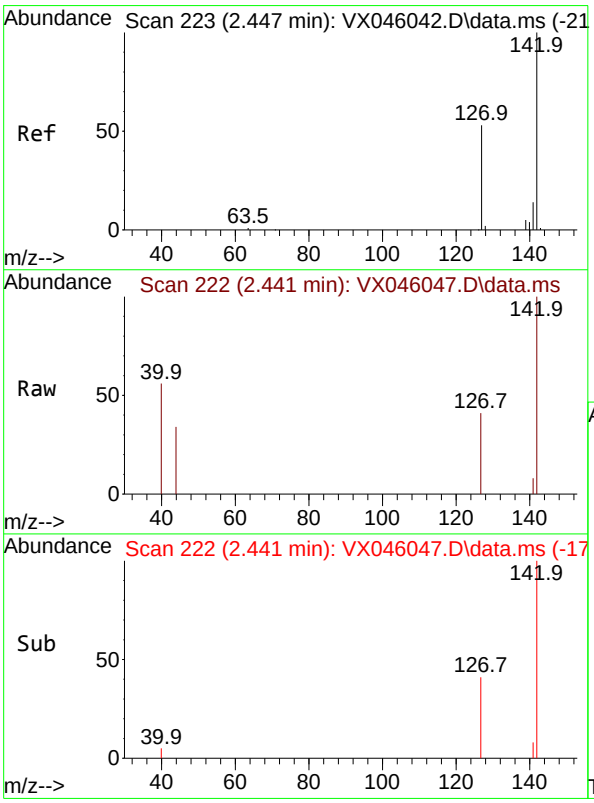

#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.731 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:101 Resp: 1166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.3 | 38.6 | 58.0 |
| 151 | 73.1 | 55.2 | 82.8 |

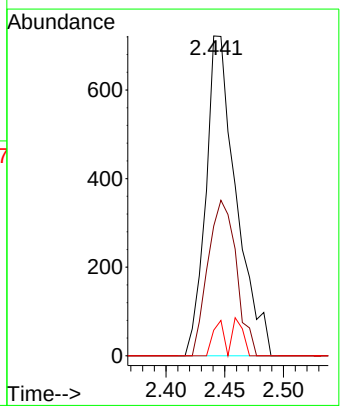


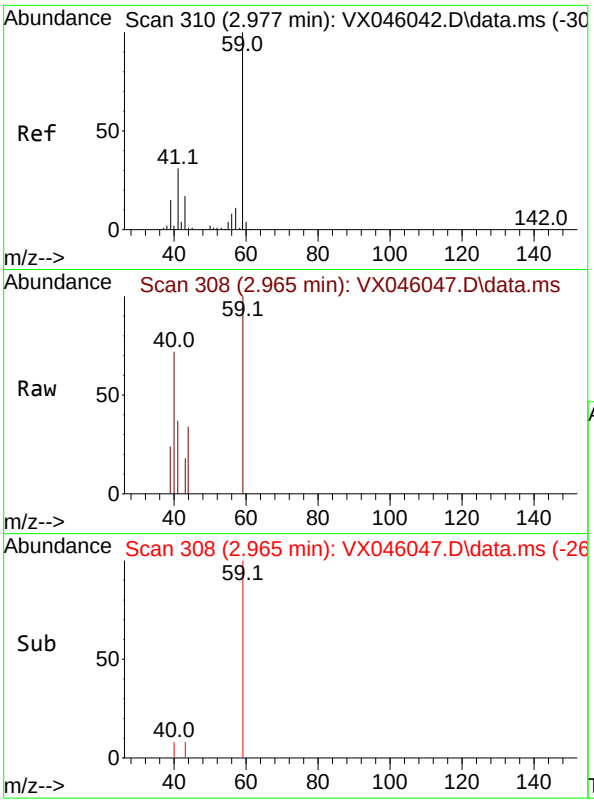




#10
Methyl Iodide
Concen: 0.692 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:142 Resp: 1297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.5 | 41.7 | 62.5 |
| 141 | 3.9 | 11.5 | 17.3# |



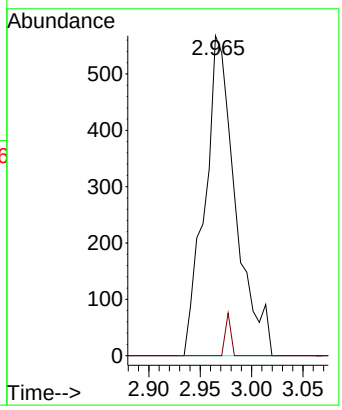


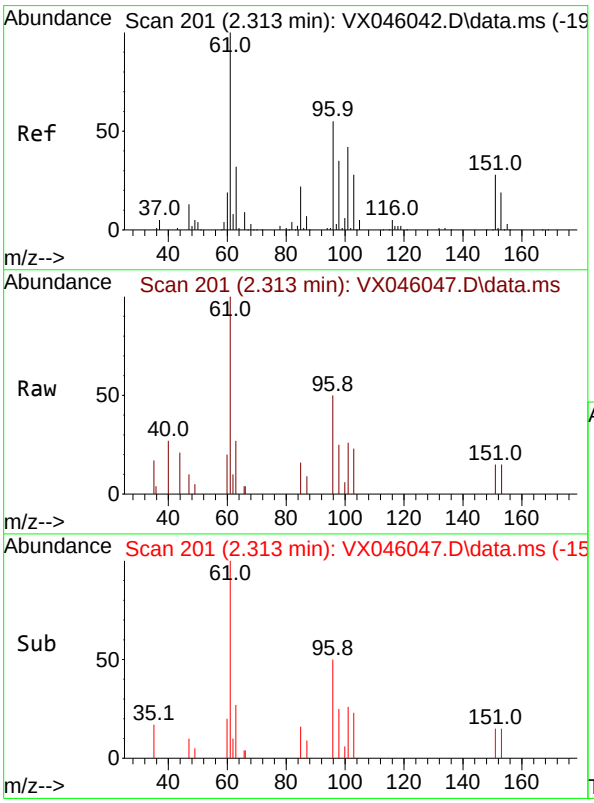

#11
Tert butyl alcohol
Concen: 3.604 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 59 Resp: 1176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 2.4 | 8.6 | 12.8# |

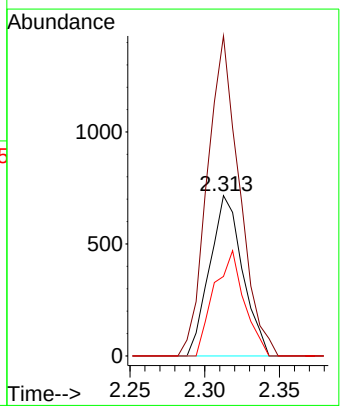


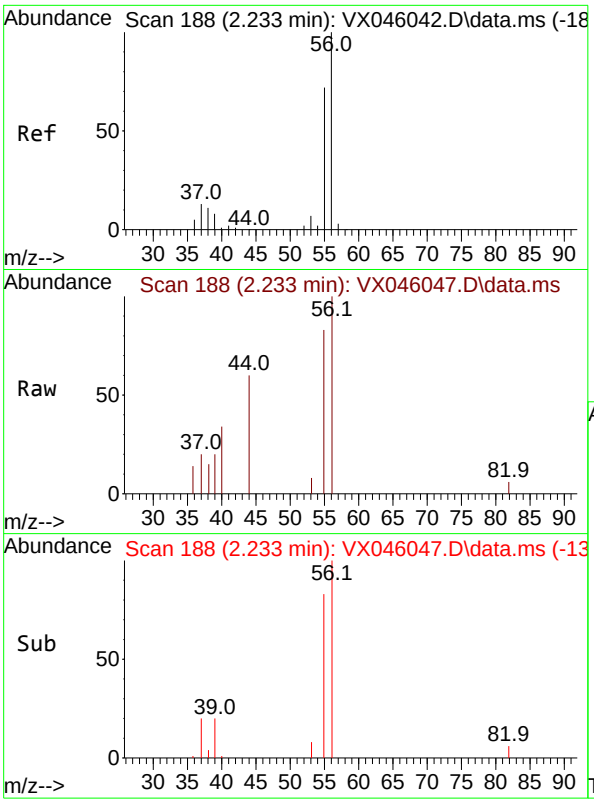




#12
1,1-Dichloroethene
Concen: 0.704 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 96 Resp: 1093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 199.6 | 146.2 | 219.2 |
| 98 | 49.6 | 51.0 | 76.6# |



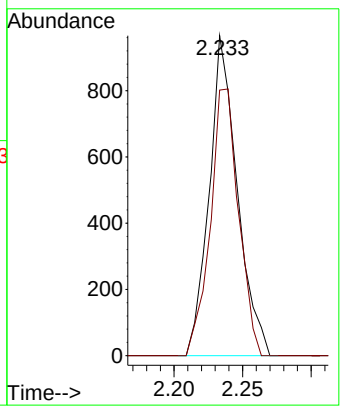


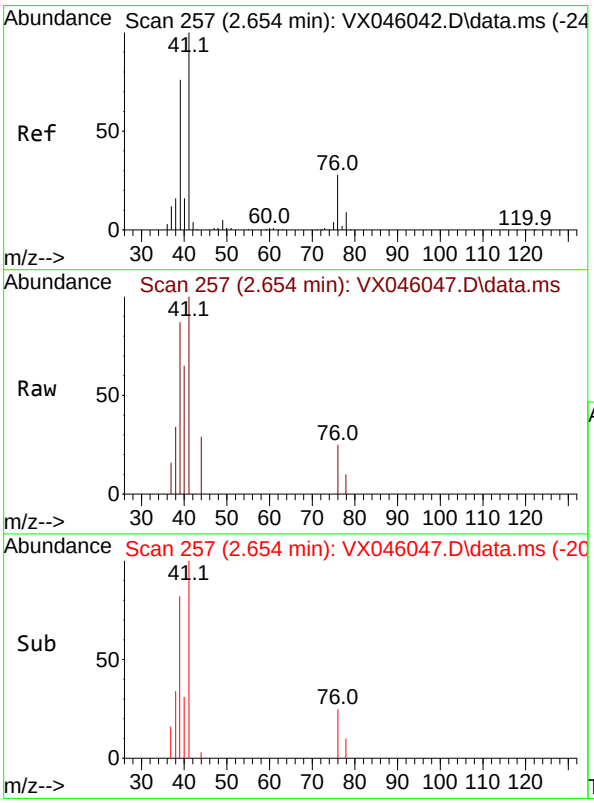

#13
Acrolein
Concen: 3.625 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 56 Resp: 1374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 83.9 | 56.2 | 84.4 |

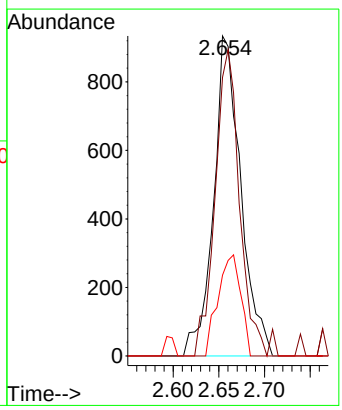


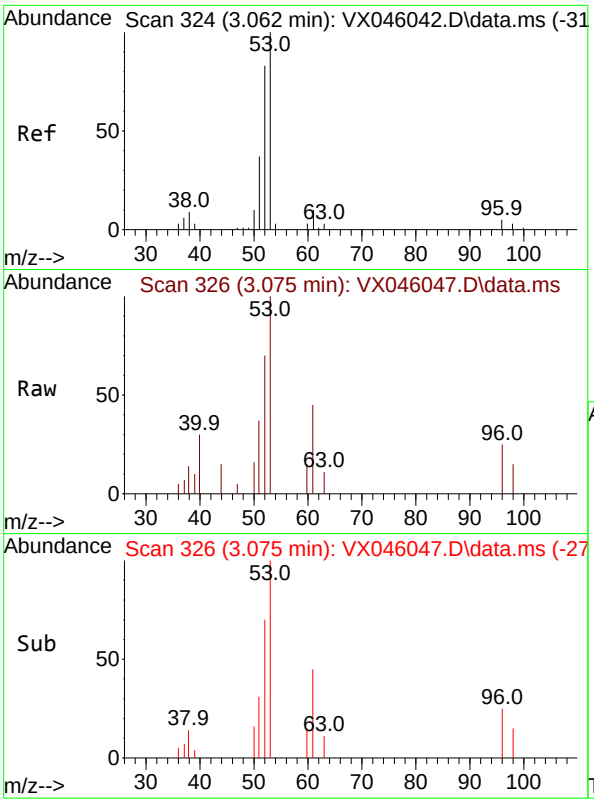




#14
Allyl chloride
Concen: 0.660 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 1936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 85.5 | 60.6 | 90.8 |
| 76 | 26.4 | 24.9 | 37.3 |



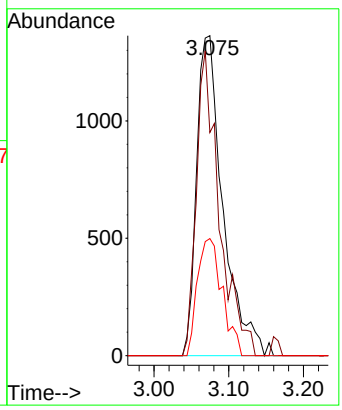


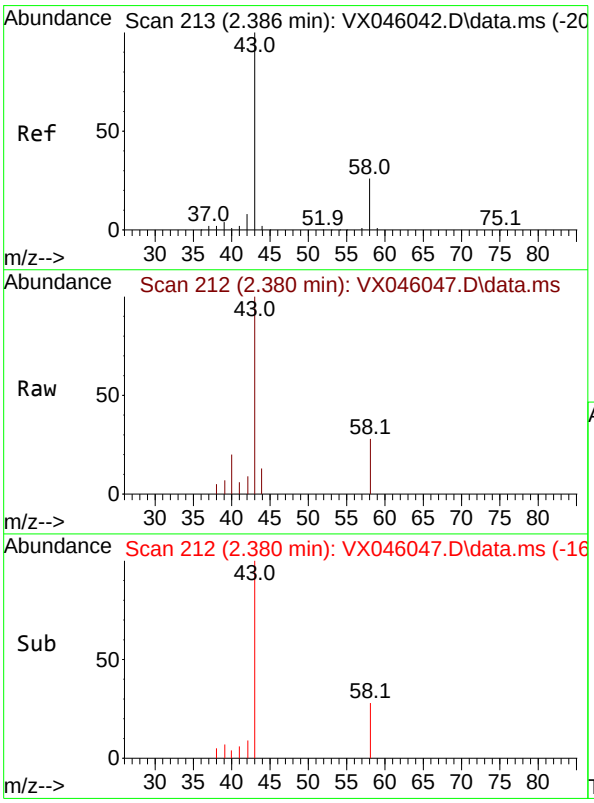

#15
Acrylonitrile
Concen: 3.424 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 53 Resp: 3343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.9 | 65.3 | 97.9 |
| 51 | 34.4 | 29.8 | 44.8 |

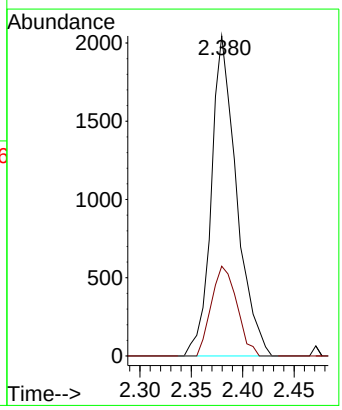


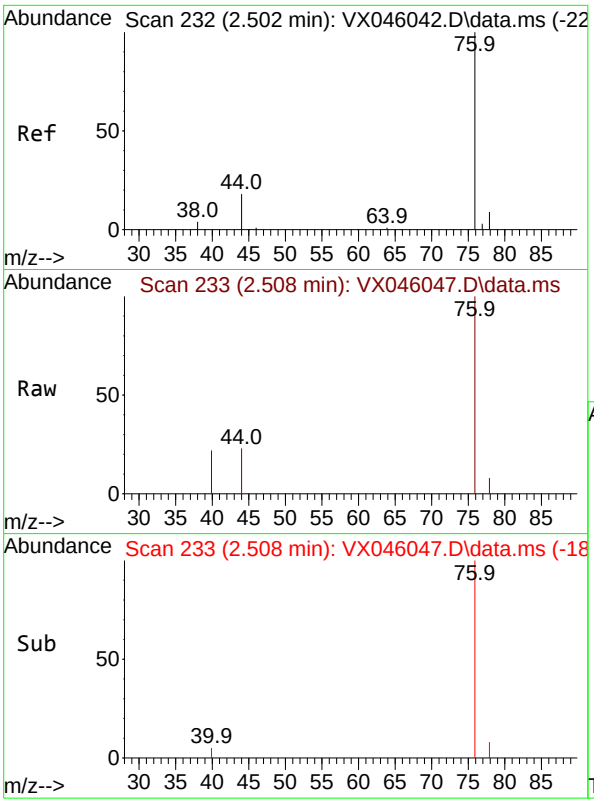




#16
Acetone
Concen: 3.736 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 3500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.1 | 21.2 | 31.8 |



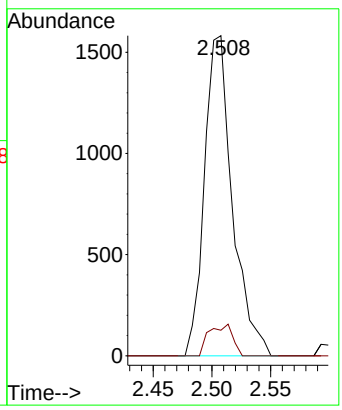


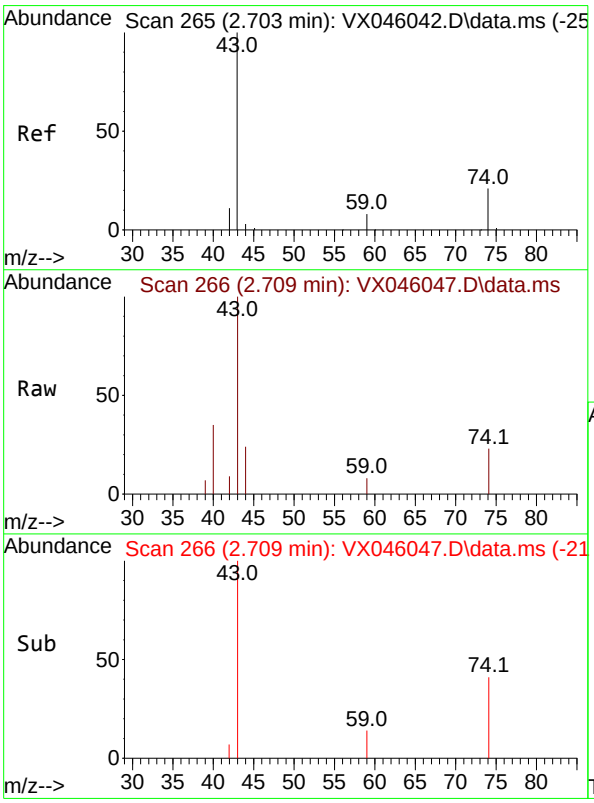

#17
Carbon Disulfide
Concen: 0.728 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 76 Resp: 2619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.0 | 7.0 | 10.4 |

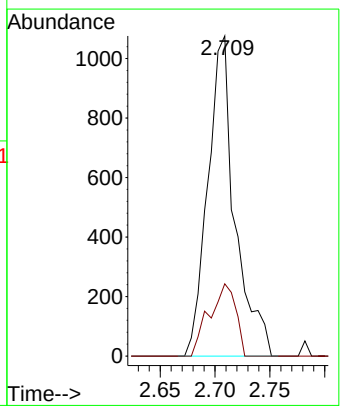


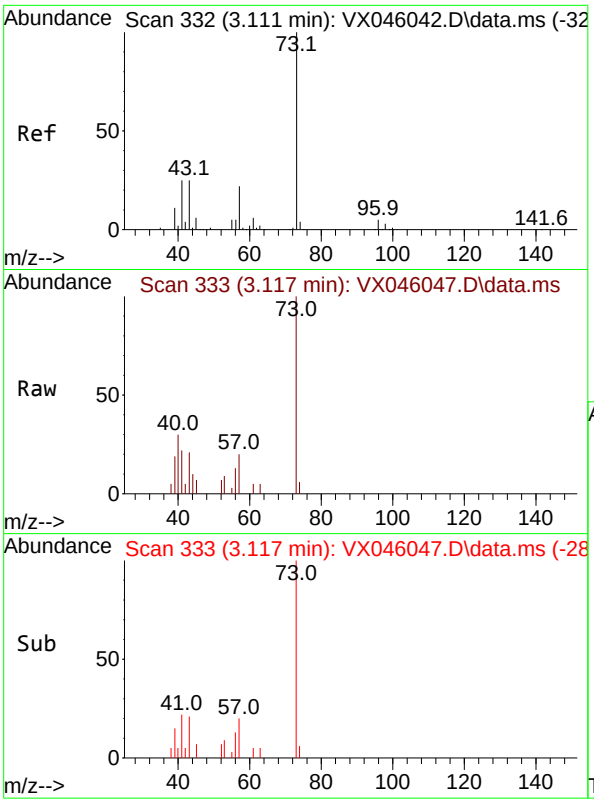




#18
Methyl Acetate
Concen: 0.828 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.0 | 16.7 | 25.1 |



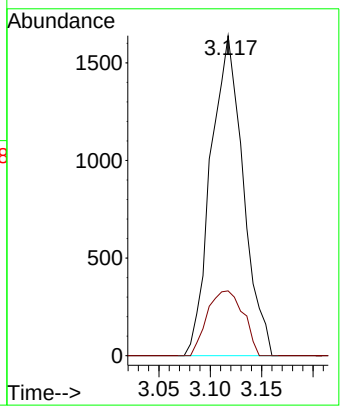


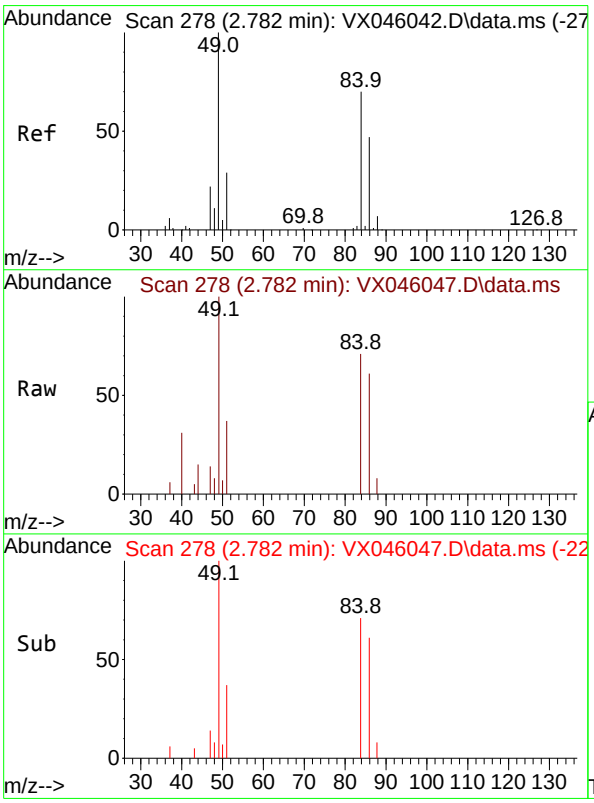

#19
Methyl tert-butyl Ether
Concen: 0.662 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 73 Resp: 3588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.3 | 17.7 | 26.5 |

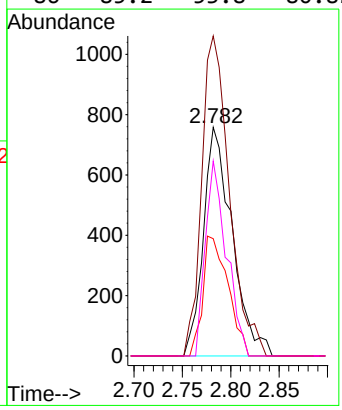


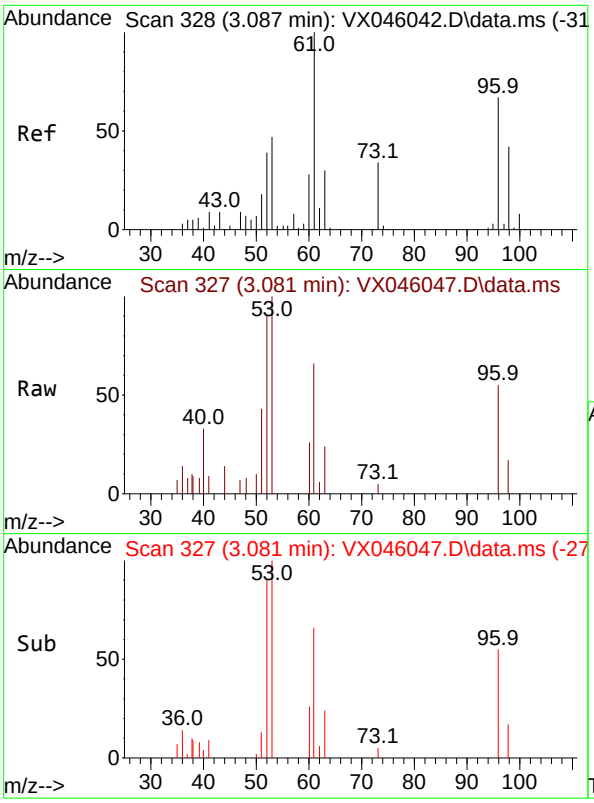




#20
Methylene Chloride
Concen: 0.828 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 84 Resp: 1571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 140.0 | 113.9 | 170.9 |
| 51 | 51.3 | 33.5 | 50.3# |
| 86 | 85.2 | 53.8 | 80.8# |



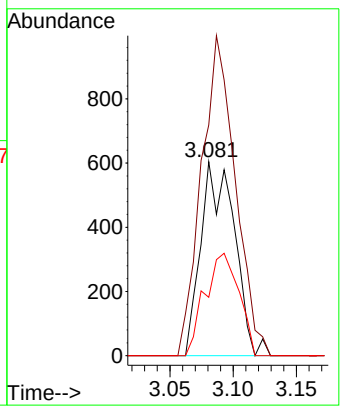


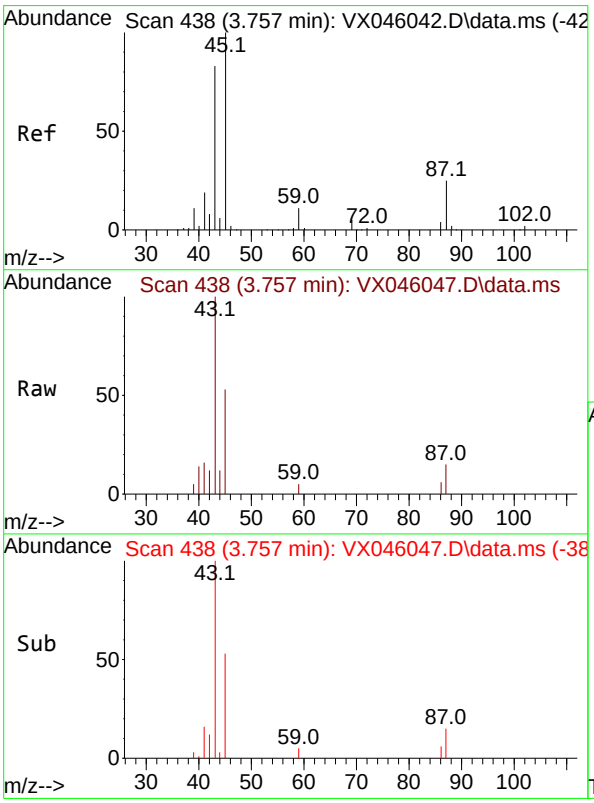

#21
trans-1,2-Dichloroethene
Concen: 0.701 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 96 Resp: 1111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 119.0 | 119.5 | 179.3# |
| 98 | 30.1 | 50.0 | 75.0# |

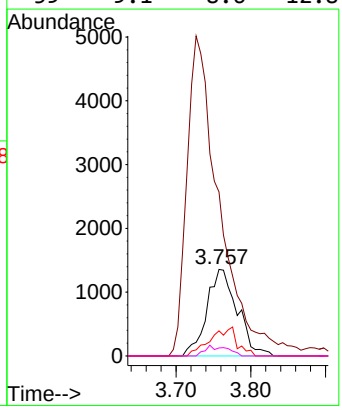


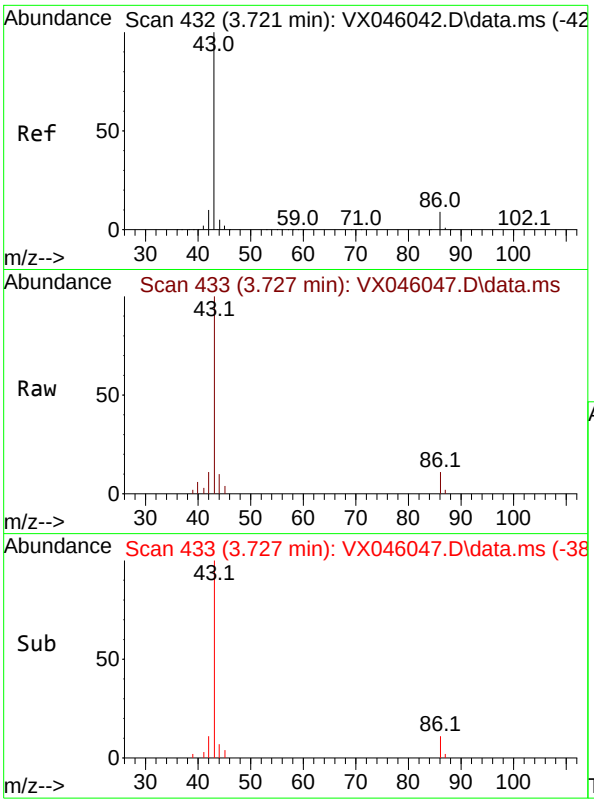




#22
Diisopropyl ether
Concen: 0.703 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 45 Resp: 3857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 176.2 | 66.6 | 100.0# |
| 87 | 28.9 | 19.8 | 29.6 |
| 59 | 9.1 | 8.6 | 12.8 |



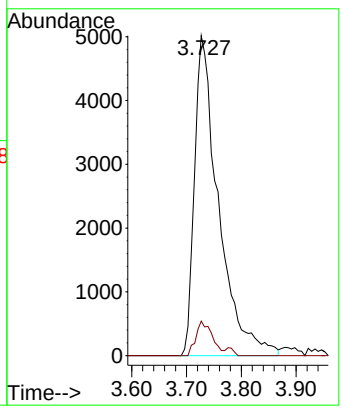


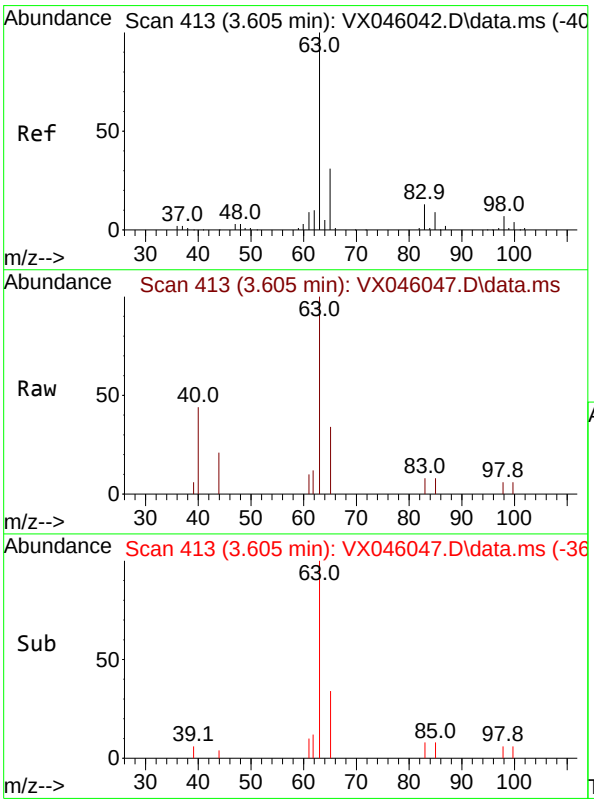

#23
Vinyl Acetate
Concen: 3.154 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 43 Resp: 15283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 7.5 | 11.3 |

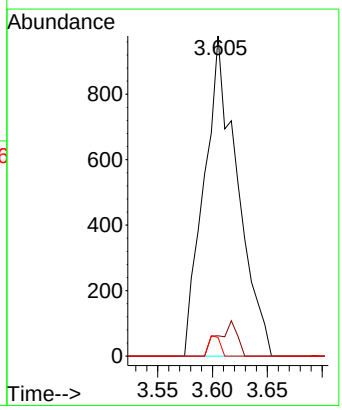


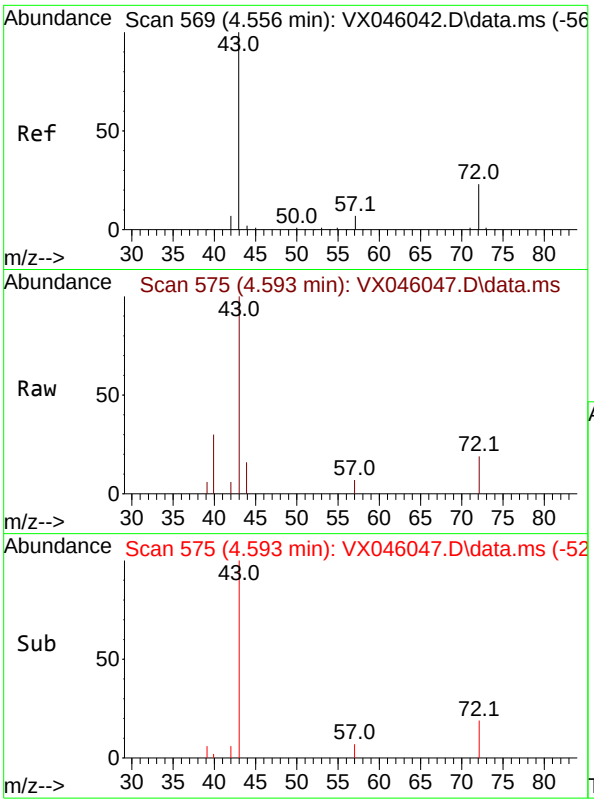




#24
1,1-Dichloroethane
Concen: 0.637 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 2054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.3 | 3.6 | 10.8 |
| 100 | 5.8 | 2.1 | 6.3 |



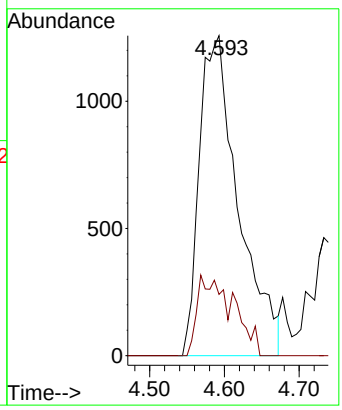


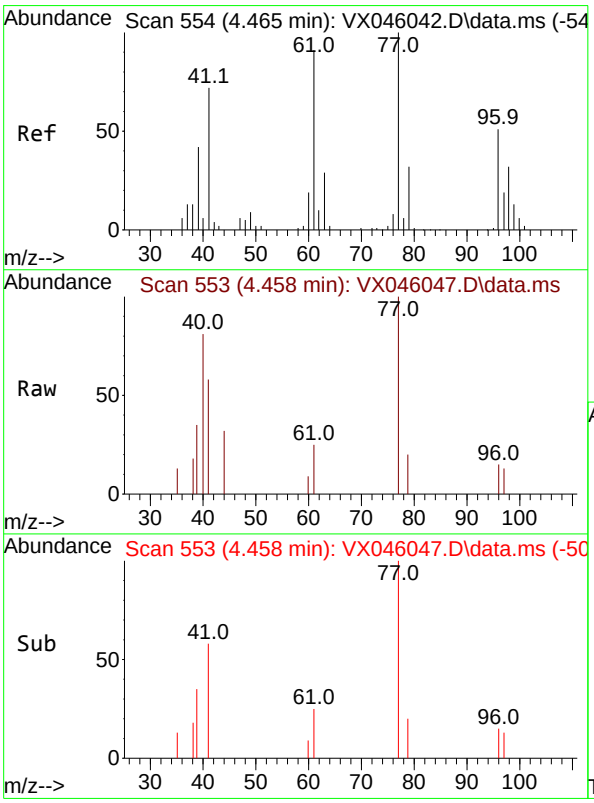

#25
2-Butanone
Concen: 3.371 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.037 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 43 Resp: 4558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 19.2 | 18.4 | 27.6 |

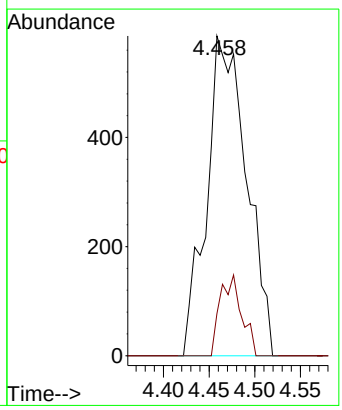


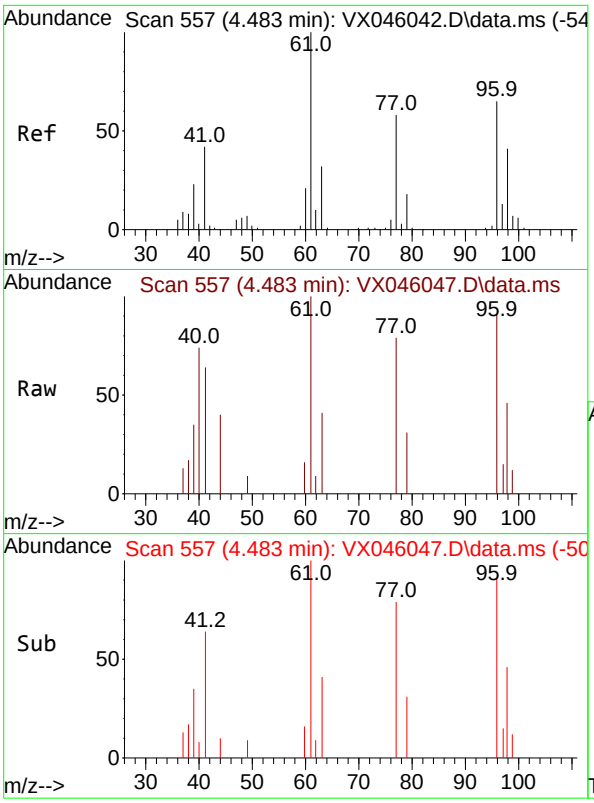




#26
2,2-Dichloropropane
Concen: 0.728 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 77 Resp: 1777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 13.7 | 10.5 | 31.5 |



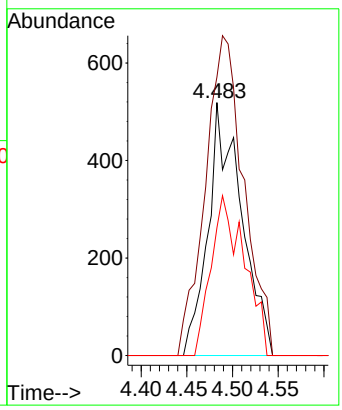


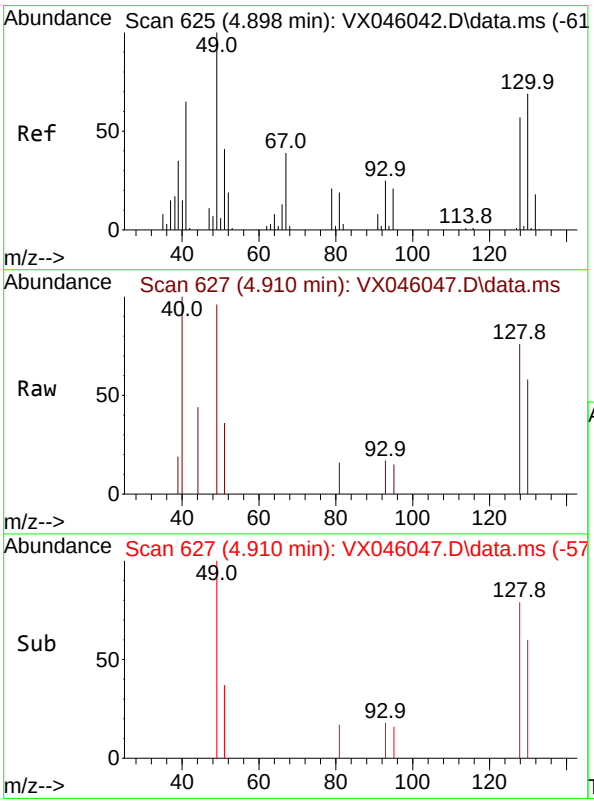

#27
cis-1,2-Dichloroethene
Concen: 0.693 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 96 Resp: 1324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.5 | 0.0 | 322.8 |
| 98 | 63.1 | 0.0 | 129.0 |

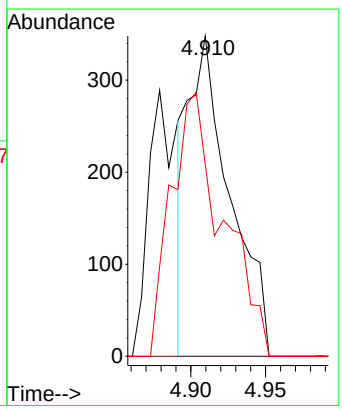


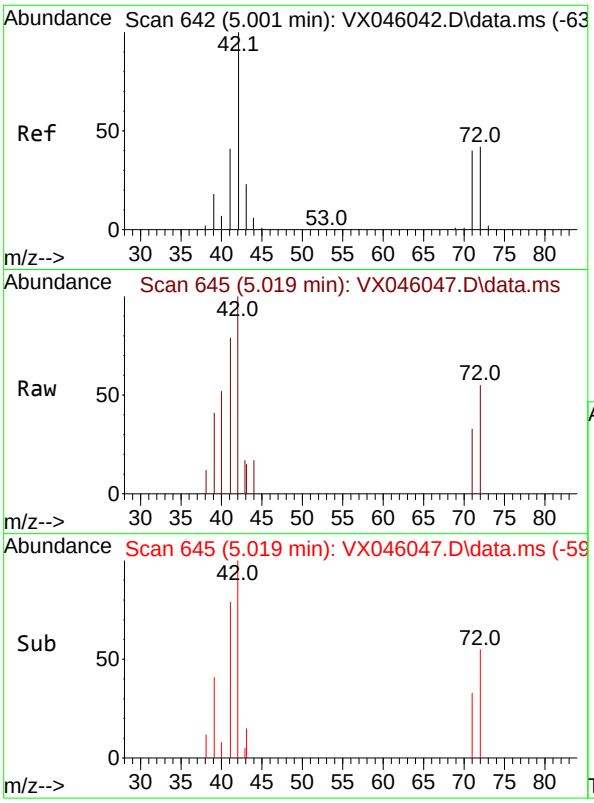




#28
Bromochloromethane
Concen: 0.398 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 49 Resp: 682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.0 |
| 130 | 101.6 | 56.2 | 84.2# |



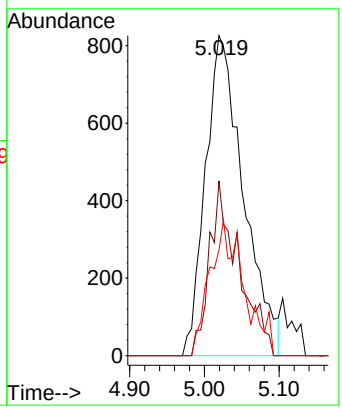


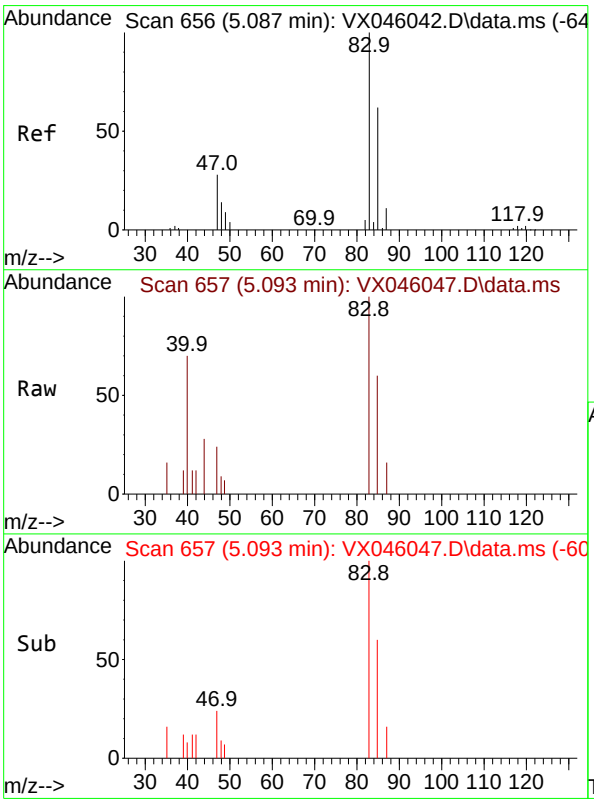

#29
Tetrahydrofuran
Concen: 3.338 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 42 Resp: 2931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.9 | 33.7 | 50.5 |
| 71 | 37.7 | 31.4 | 47.2 |

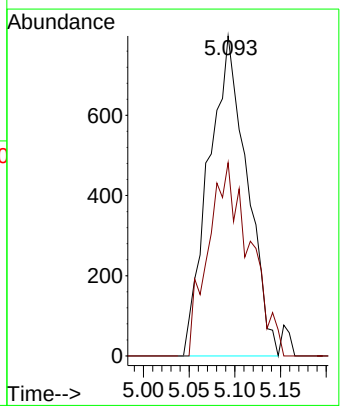


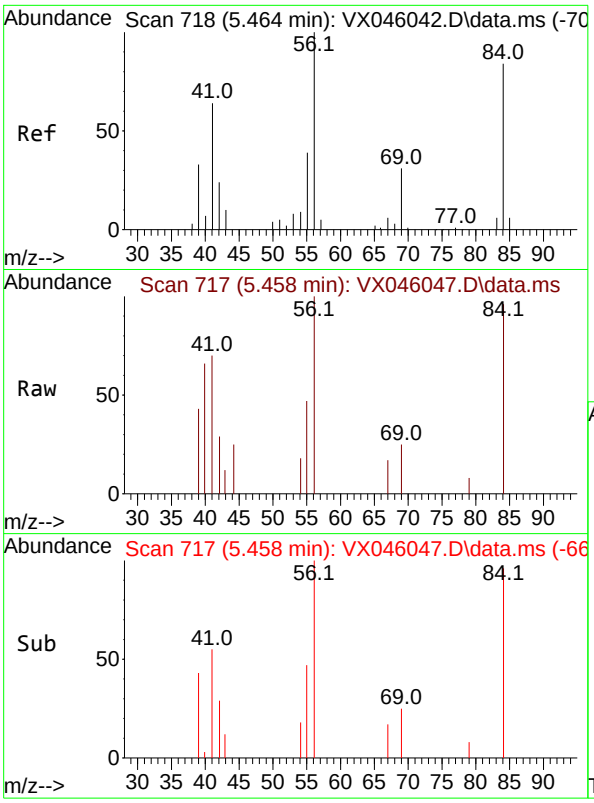




#30
Chloroform
Concen: 0.695 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 2328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.4 | 49.3 | 73.9 |



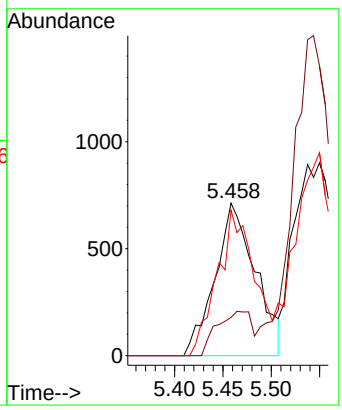


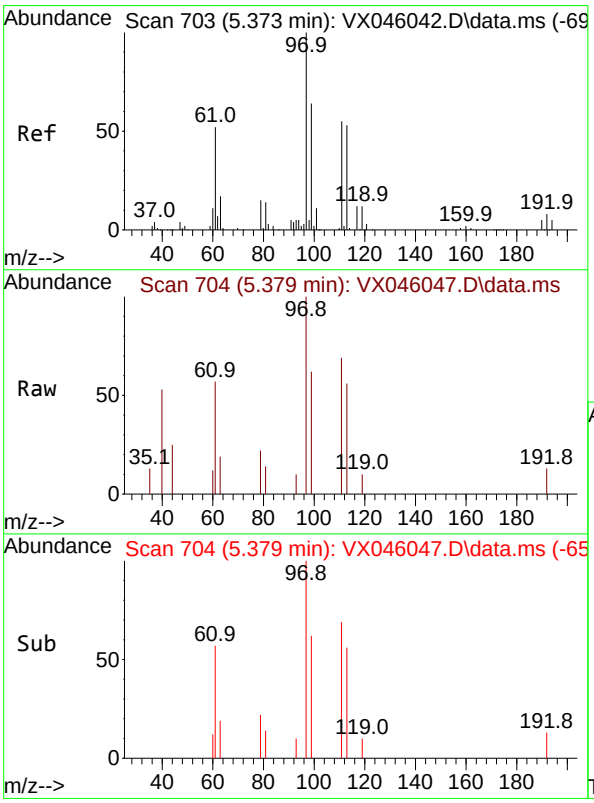

#31
Cyclohexane
Concen: 0.763 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 56 Resp: 2072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 25.1 | 24.4 | 36.6 |
| 84 | 95.5 | 66.9 | 100.3 |

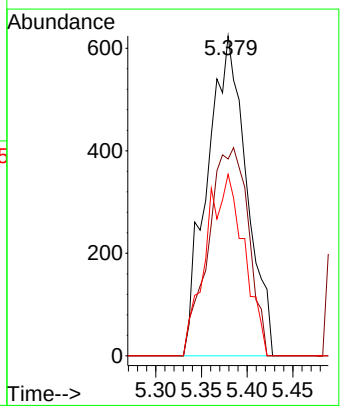


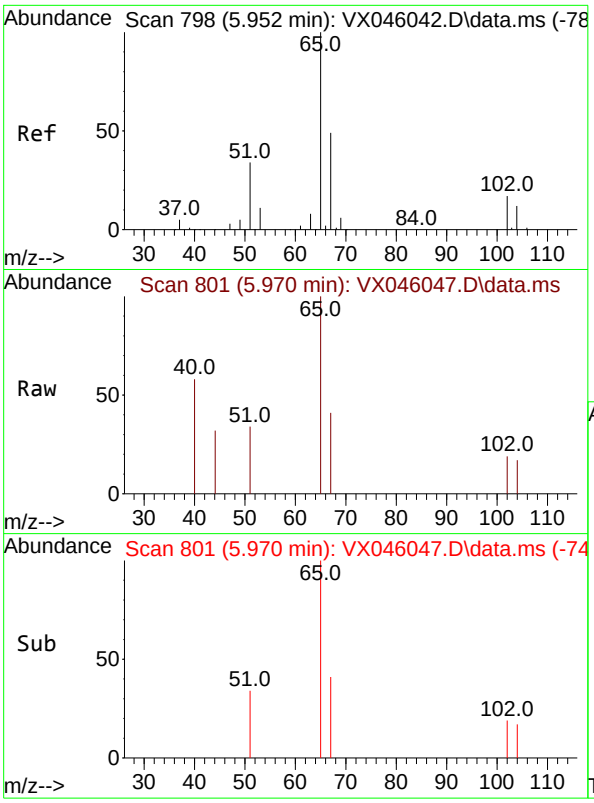




#32
1,1,1-Trichloroethane
Concen: 0.647 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 97 Resp: 1869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 51.8 | 77.6# |
| 61 | 55.0 | 40.1 | 60.1 |



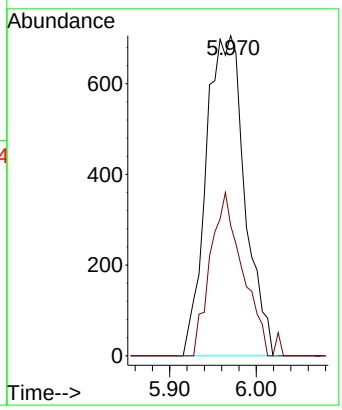


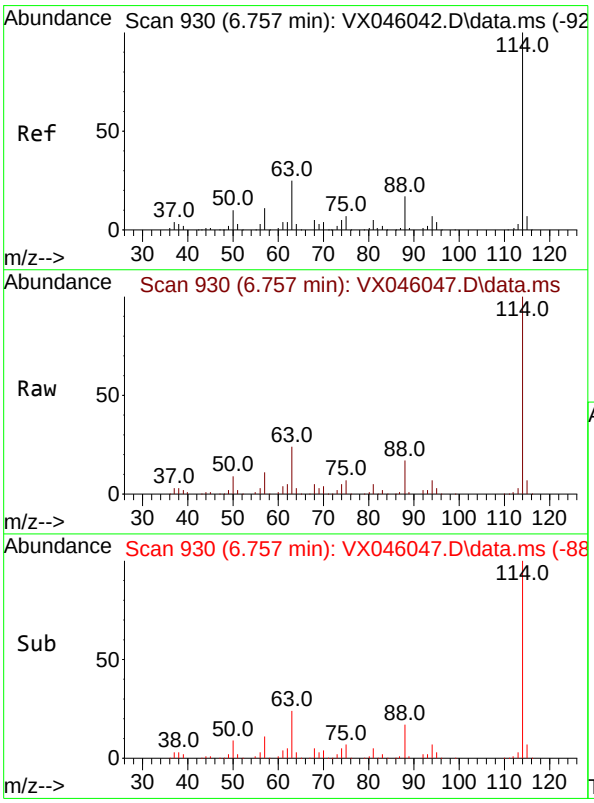

#33
1,2-Dichloroethane-d4
Concen: 0.799 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 65 Resp: 2188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 42.3 | 0.0 | 99.0 |

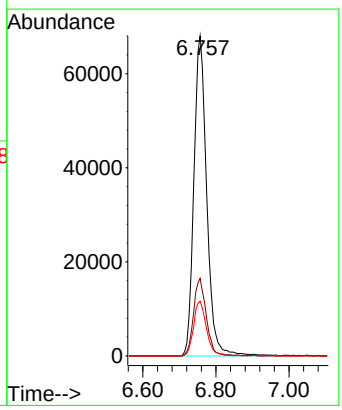


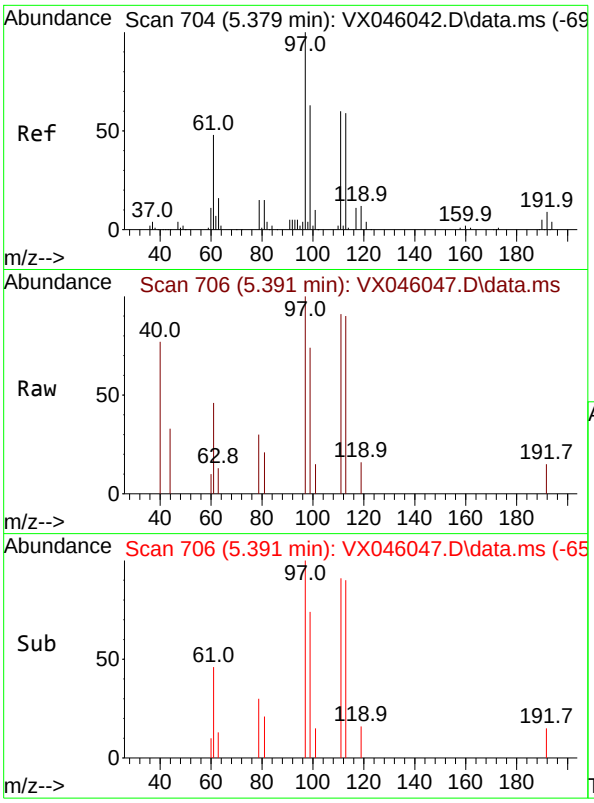




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:114 Resp: 167022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.2 | 0.0 | 49.2 |
| 88 | 17.1 | 0.0 | 33.6 |



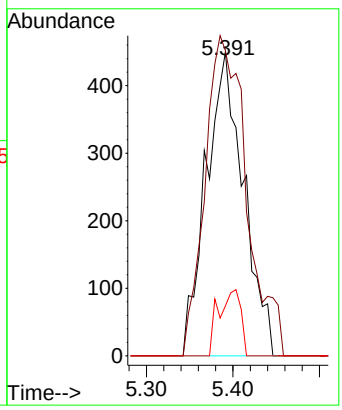


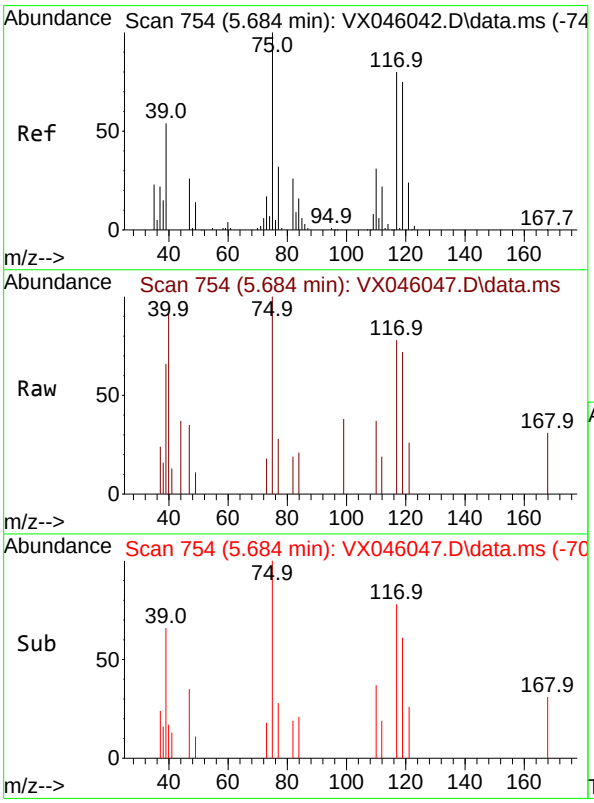

#35
Dibromofluoromethane
Concen: 0.721 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:113 Resp: 1350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 117.0 | 83.1 | 124.7 |
| 192 | 12.8 | 13.3 | 19.9# |

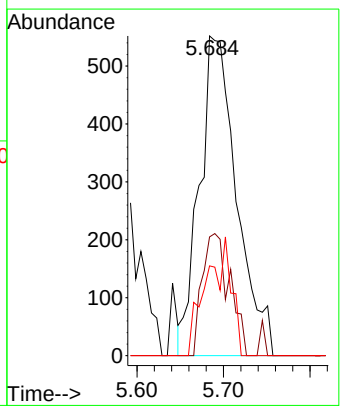


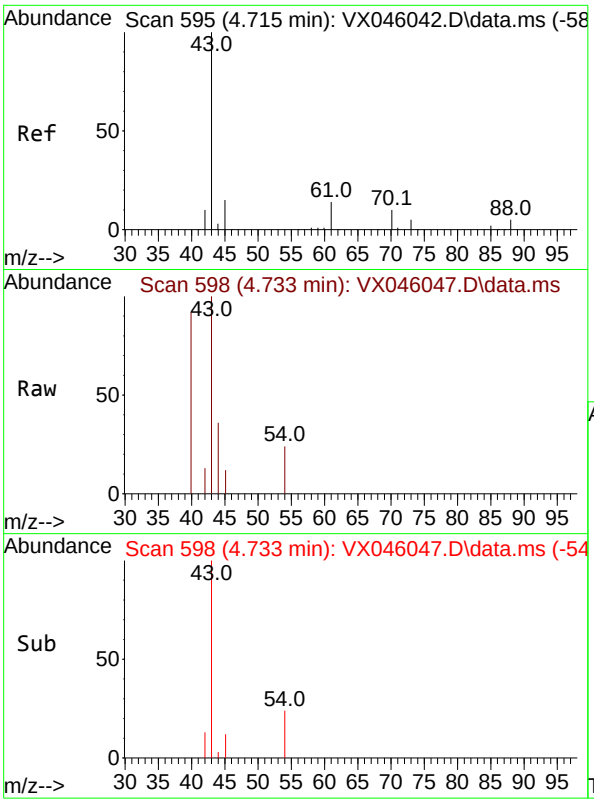




#36
1,1-Dichloropropene
Concen: 0.758 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 1648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 28.2 | 16.3 | 48.9 |
| 77 | 15.8 | 24.3 | 36.5# |



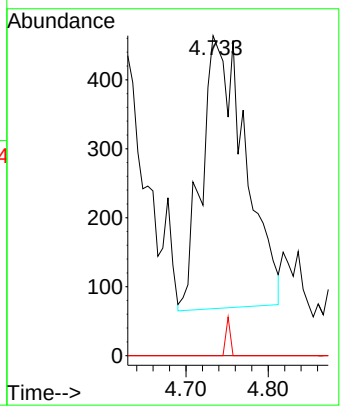


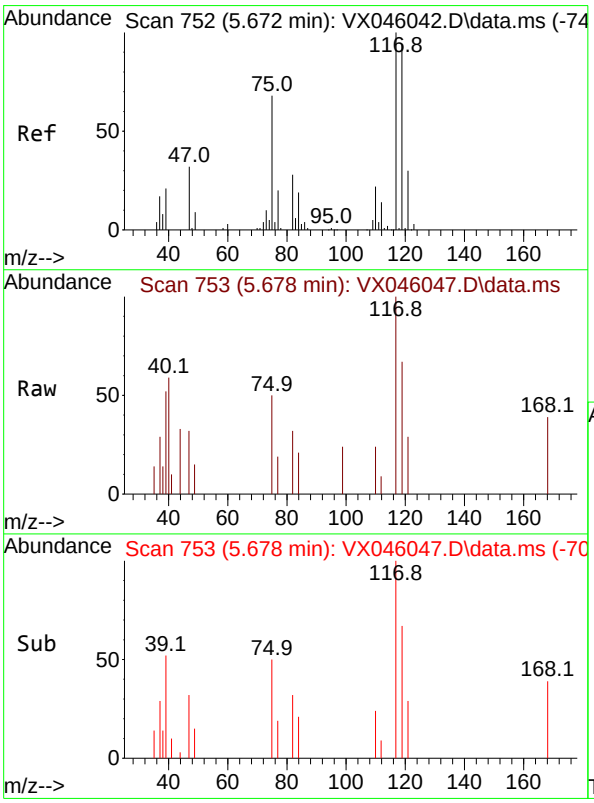

#37
Ethyl Acetate
Concen: 0.531 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 43 Resp: 1447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 10.3 | 15.5# |
| 70 | 1.4 | 7.9 | 11.9# |

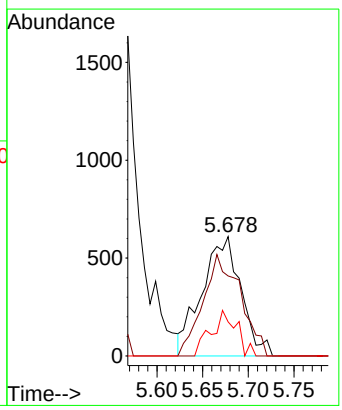


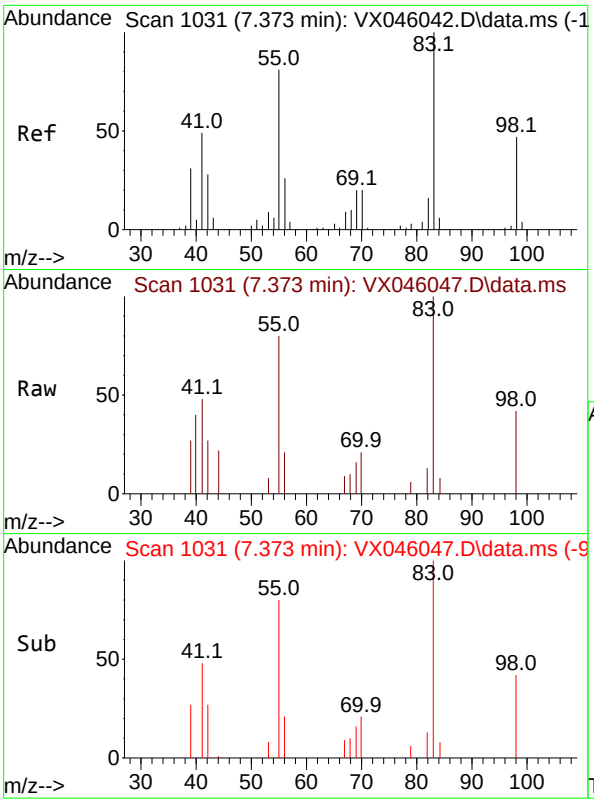




#38
Carbon Tetrachloride
Concen: 0.724 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 1807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 67.0 | 75.2 | 112.8# |
| 121 | 28.5 | 24.2 | 36.4 |



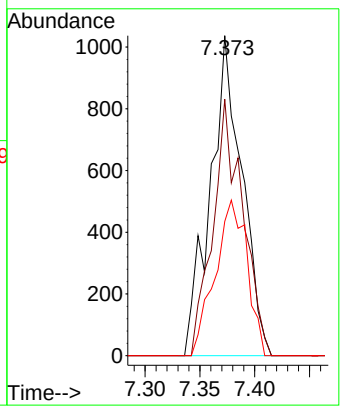


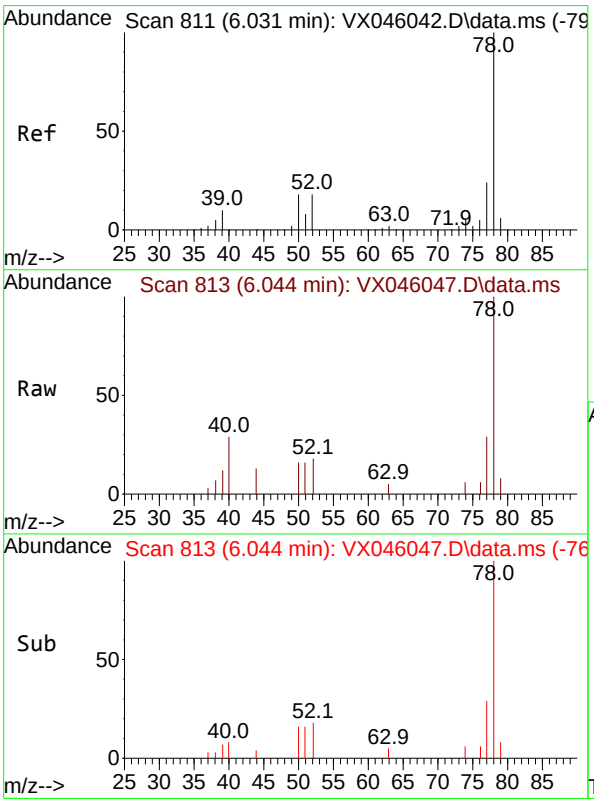

#39
Methylcyclohexane
Concen: 0.770 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 83 Resp: 2096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.1 | 64.7 | 97.1 |
| 98 | 41.9 | 37.4 | 56.2 |

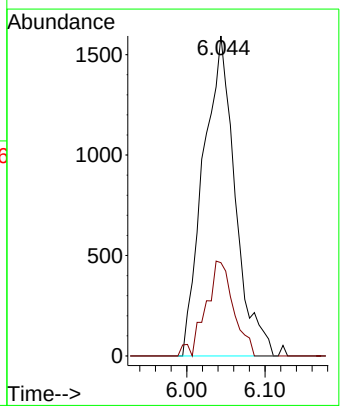


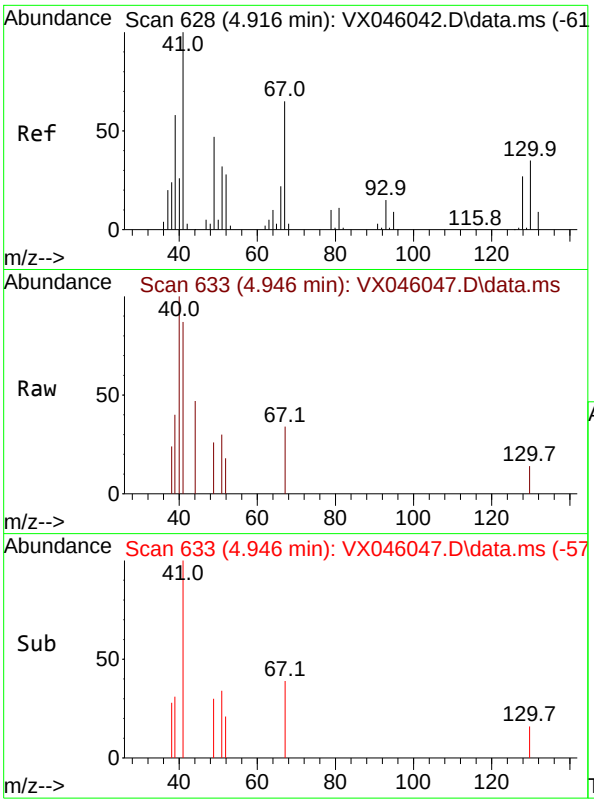




#40
Benzene
Concen: 0.668 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 78 Resp: 4502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 29.1 | 19.0 | 28.4# |



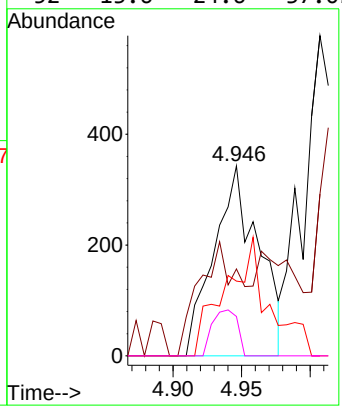


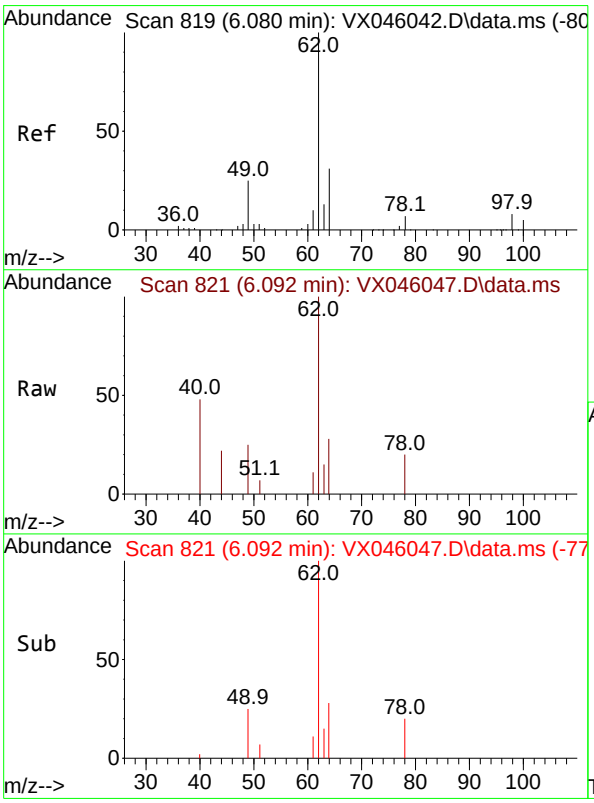

#41
Methacrylonitrile
Concen: 0.513 ug/l
RT: 4.946 min Scan# 6
Delta R.T. 0.030 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 41 Resp: 778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 51.7 | 47.2 | 70.8 |
| 67 | 0.0 | 50.7 | 76.1# |
| 52 | 13.6 | 24.6 | 37.0# |

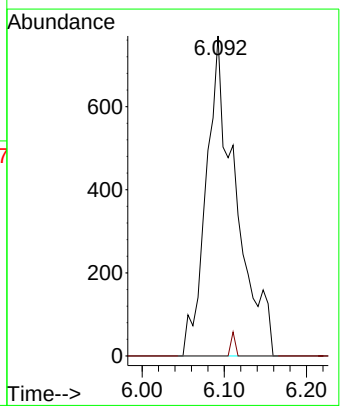


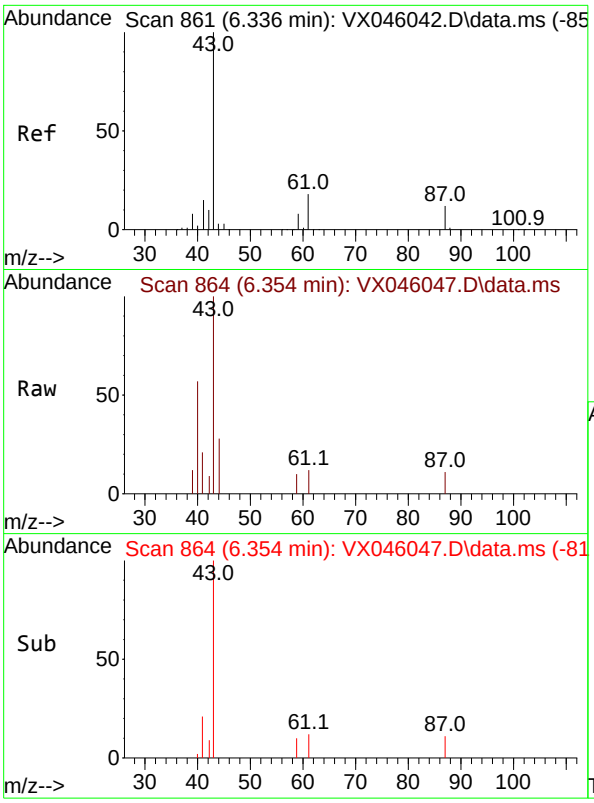




#42
1,2-Dichloroethane
Concen: 0.694 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 1934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 1.1 | 0.0 | 15.2 |



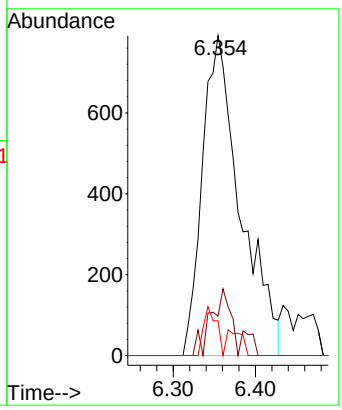


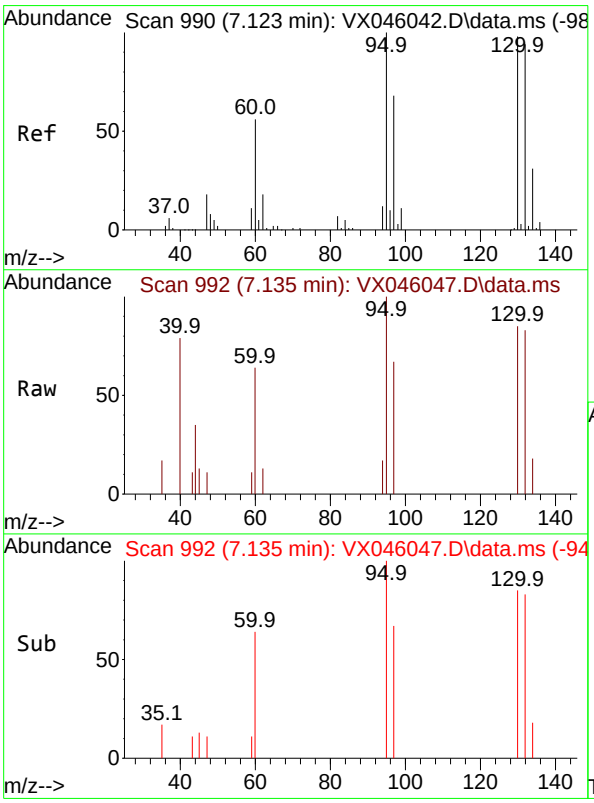

#43
Isopropyl Acetate
Concen: 0.612 ug/l
RT: 6.354 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 43 Resp: 2553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 10.7 | 14.3 | 21.5# |
| 87 | 3.2 | 9.5 | 14.3# |

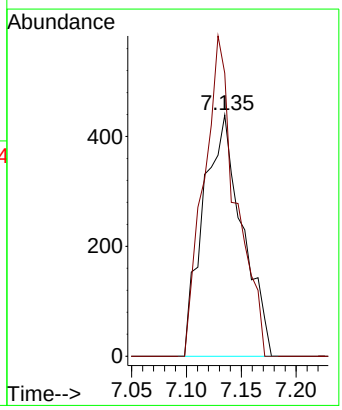


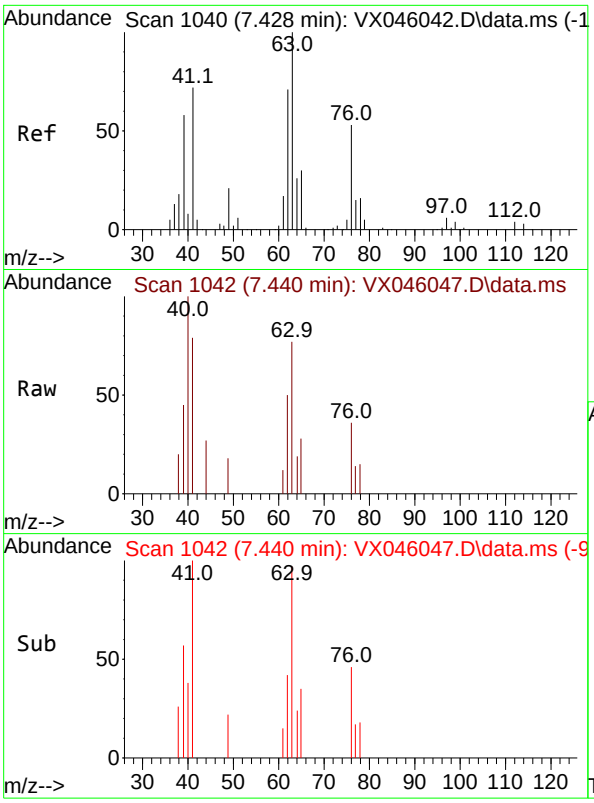




#44
Trichloroethene
Concen: 0.680 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:130 Resp: 1083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 117.3 | 0.0 | 204.2 |



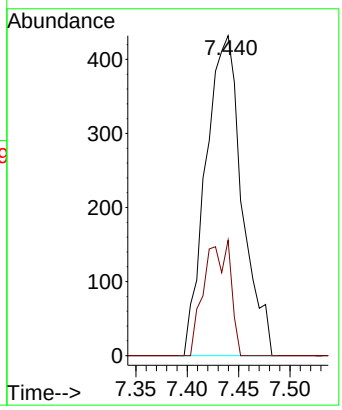


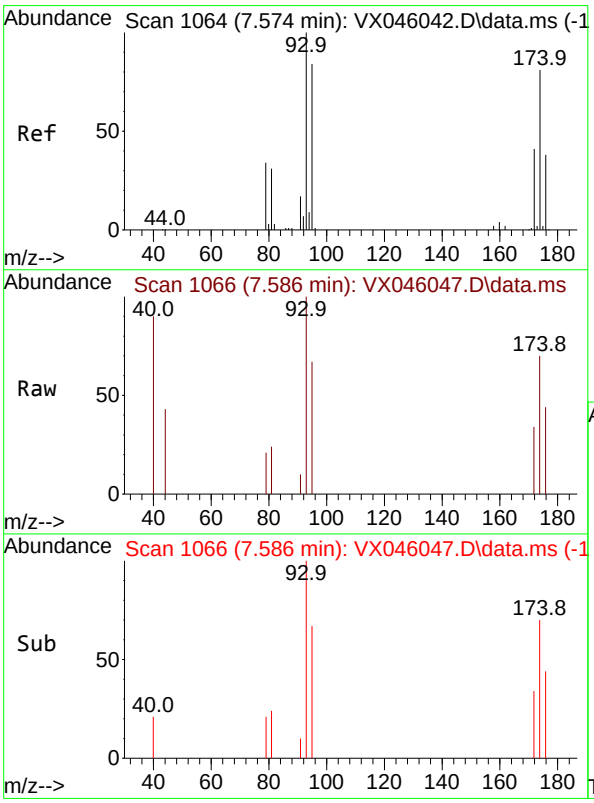

#45
1,2-Dichloropropane
Concen: 0.633 ug/l
RT: 7.440 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 63 Resp: 1059

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

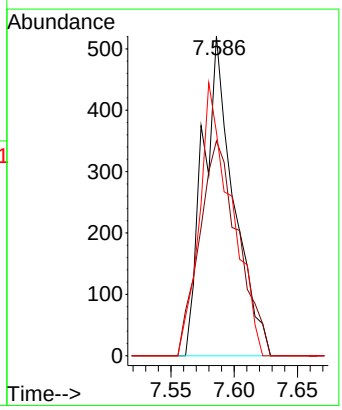


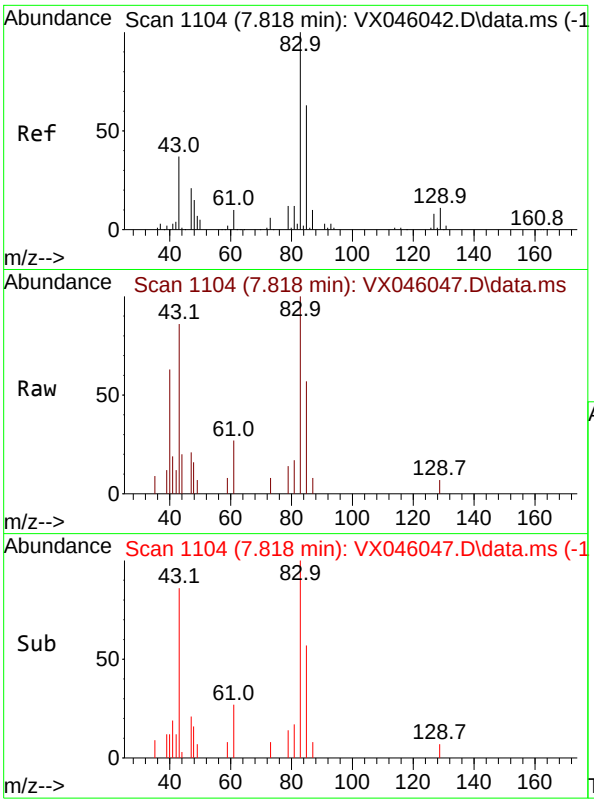




#46
Dibromomethane
Concen: 0.667 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 93 Resp: 880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.5 | 65.6 | 98.4 |
| 174 | 88.5 | 68.2 | 102.2 |



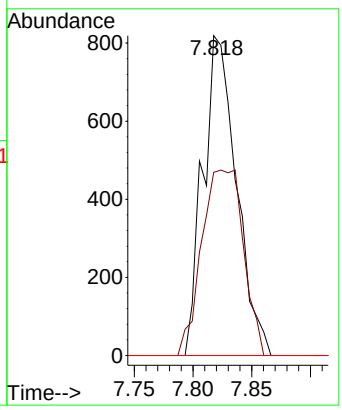


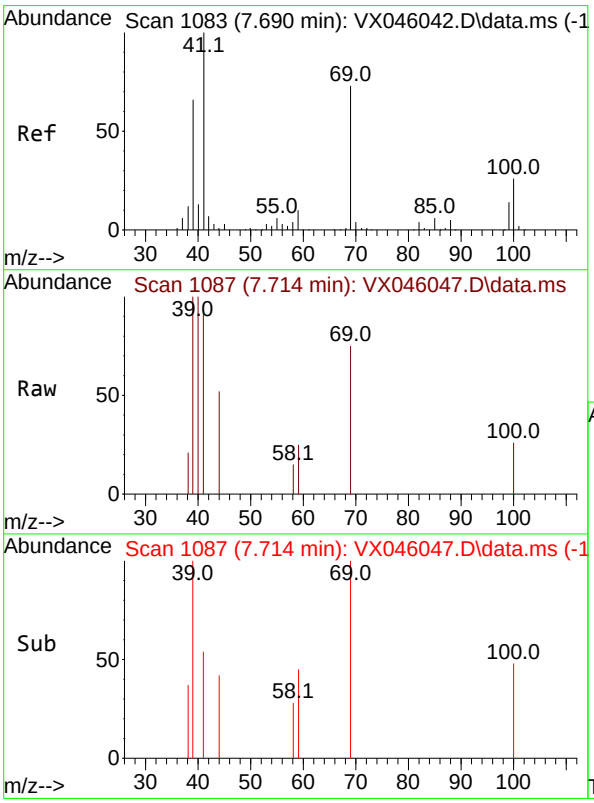

#47
Bromodichloromethane
Concen: 0.633 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 83 Resp: 1620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 57.3 | 50.5 | 75.7 |
| 127 | 0.0 | 6.5 | 9.7# |

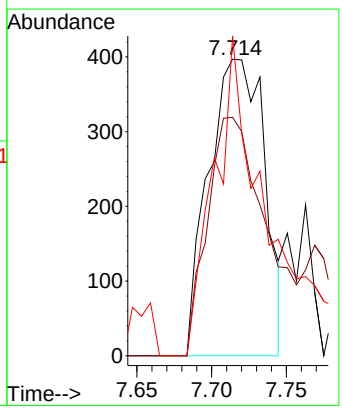


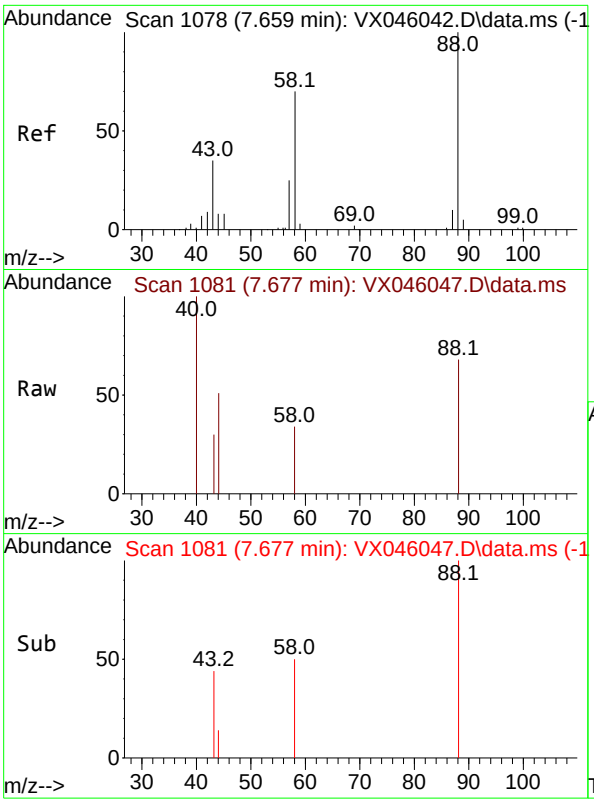




#48
Methyl methacrylate
Concen: 0.483 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.024 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 1033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.4 | 58.5 | 87.7 |
| 39 | 101.4 | 51.7 | 77.5# |



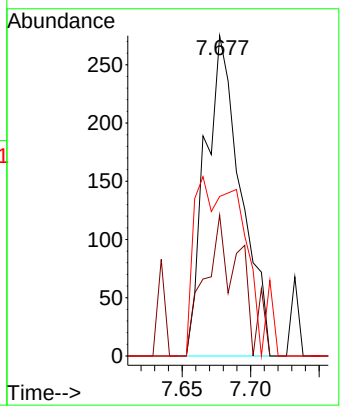


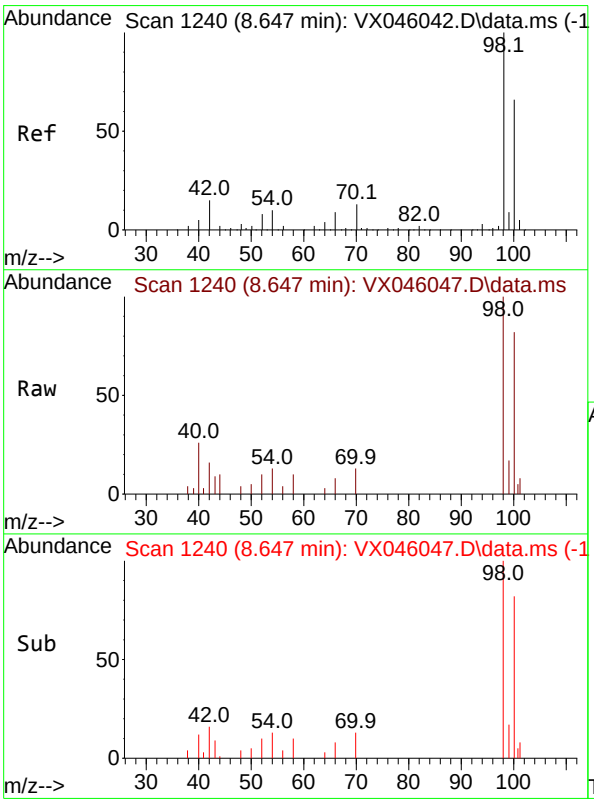

#49
1,4-Dioxane
Concen: 11.703 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 88 Resp: 498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 44.4 | 33.4 | 50.2 |
| 58 | 30.3 | 58.6 | 88.0# |

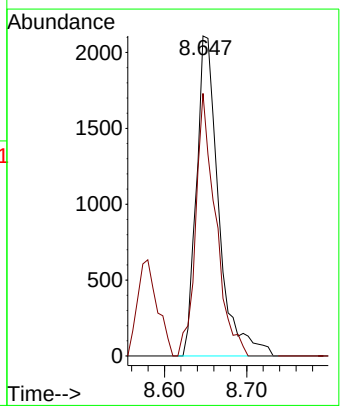


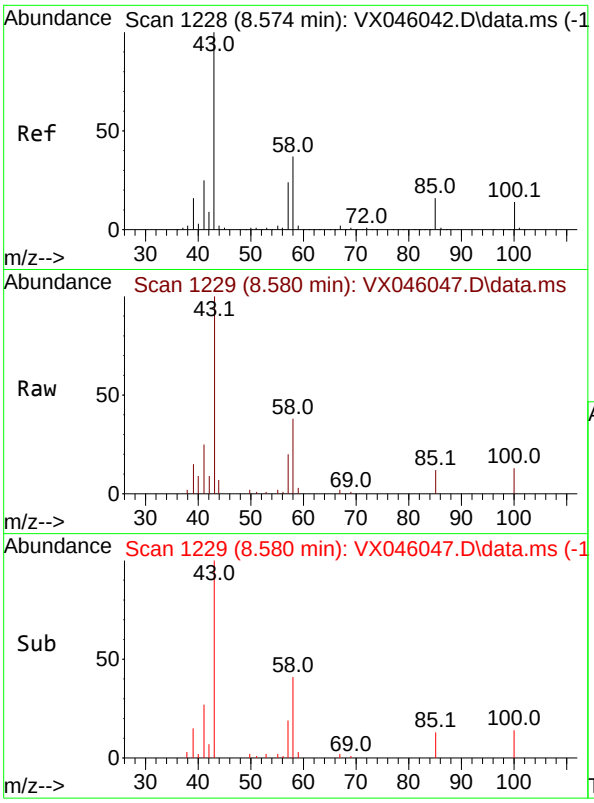




#50
Toluene-d8
Concen: 0.628 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 98 Resp: 3964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 73.5 | 53.5 | 80.3 |



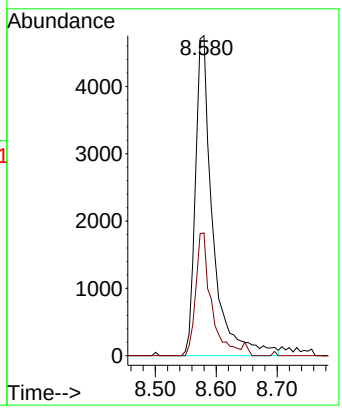


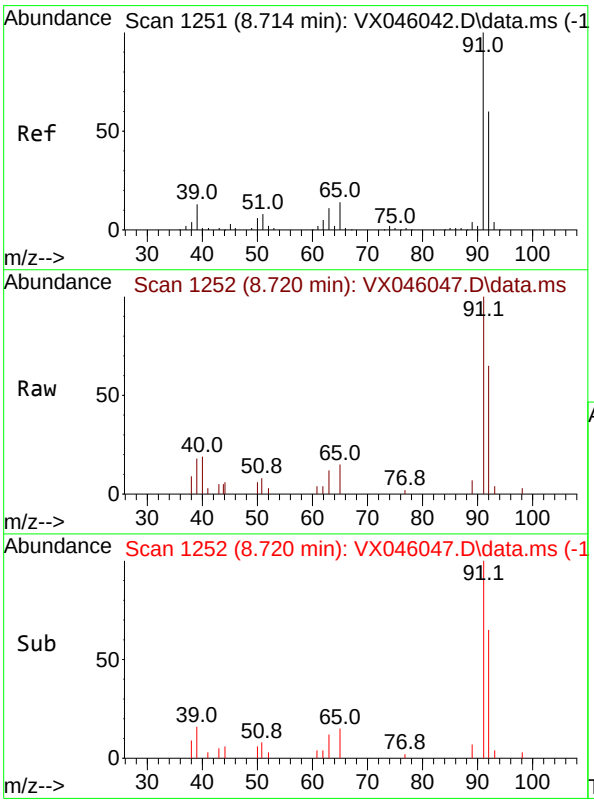

#51
4-Methyl-2-Pentanone
Concen: 3.430 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 43 Resp: 9378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.4 | 28.9 | 43.3 |

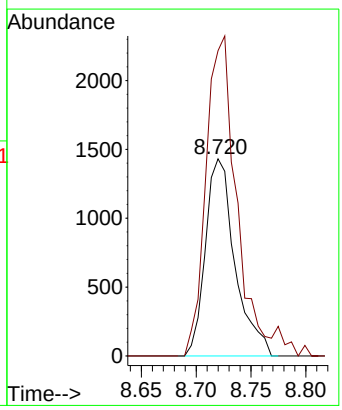


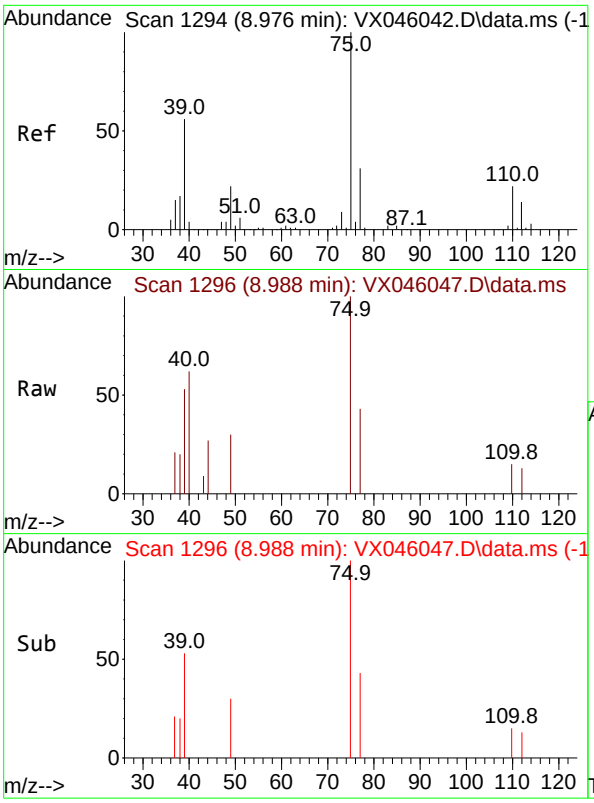




#52
Toluene
Concen: 0.672 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 92 Resp: 2684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 165.7 | 136.6 | 205.0 |



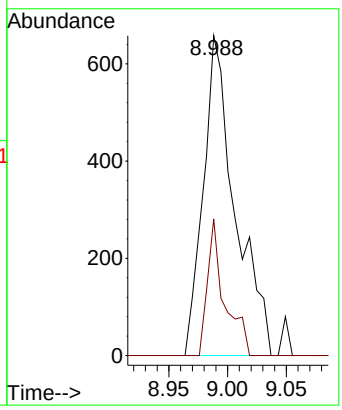


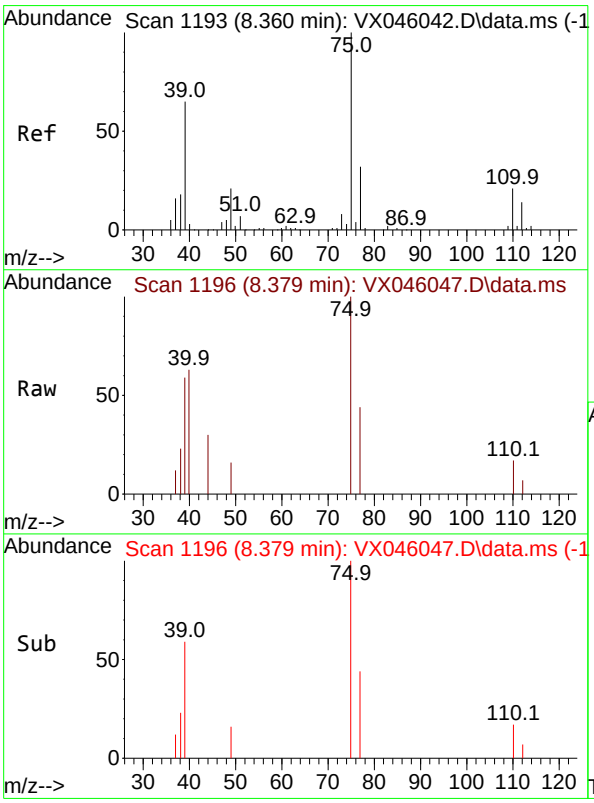

#53
t-1,3-Dichloropropene
Concen: 0.576 ug/l
RT: 8.988 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 75 Resp: 1238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.7 | 25.0 | 37.6# |

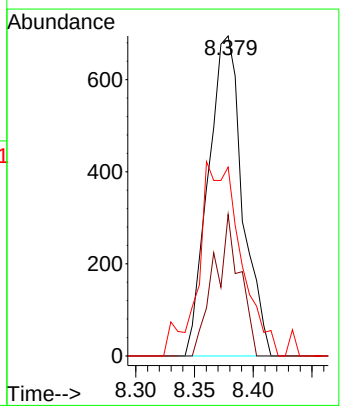


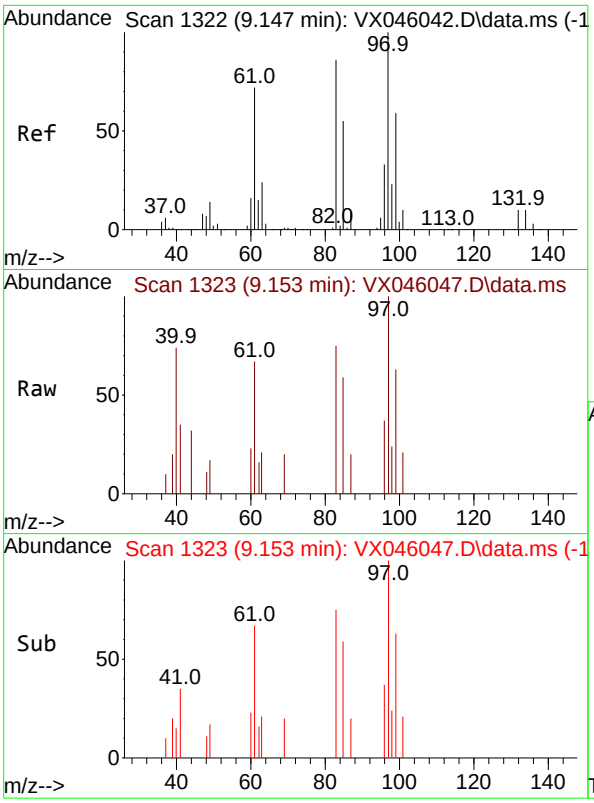




#54
cis-1,3-Dichloropropene
Concen: 0.564 ug/l
RT: 8.379 min Scan# 1196
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 1414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 44.2 | 25.4 | 38.0# |
| 39 | 59.0 | 52.2 | 78.4 |



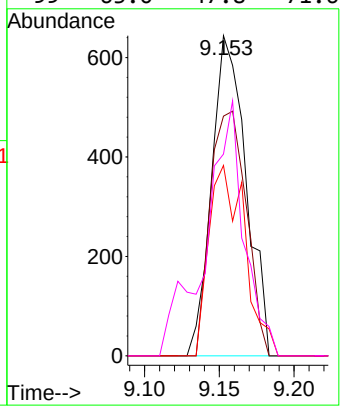


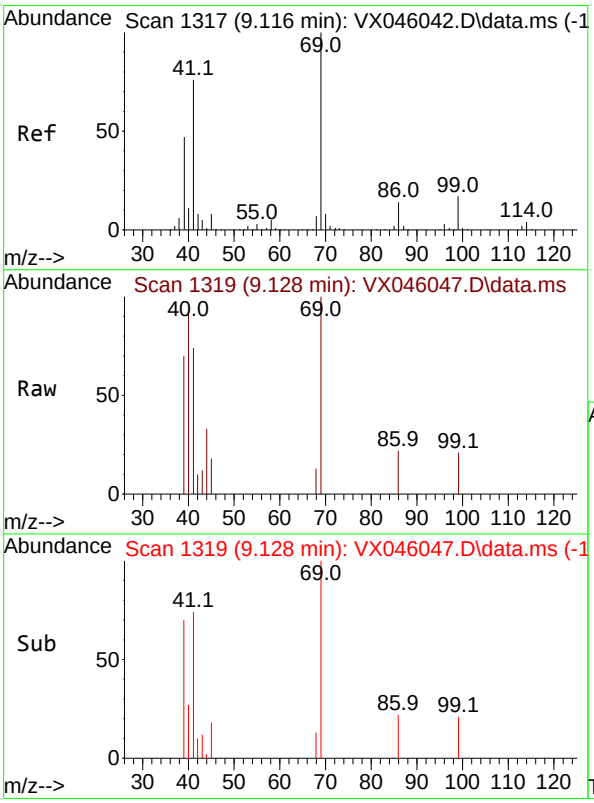

#55
1,1,2-Trichloroethane
Concen: 0.637 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 97 Resp: 1029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 74.8 | 69.0 | 103.6 |
| 85 | 59.5 | 44.3 | 66.5 |
| 99 | 63.0 | 47.8 | 71.6 |

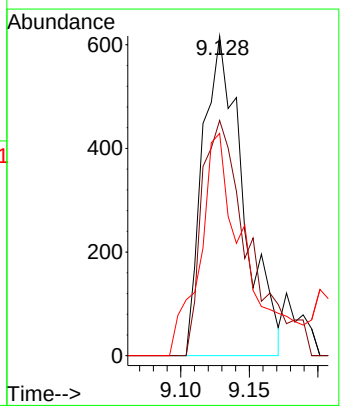


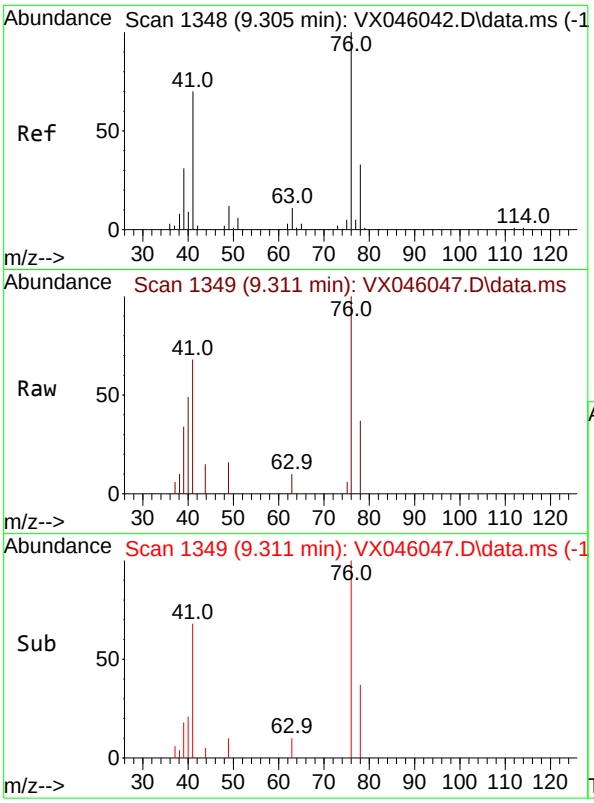




#56
Ethyl methacrylate
Concen: 0.504 ug/l
RT: 9.128 min Scan# 1319
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 69 Resp: 1260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 86.6 | 60.8 | 91.2 |
| 39 | 78.0 | 39.0 | 58.6# |



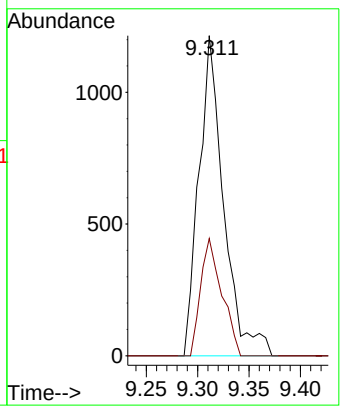


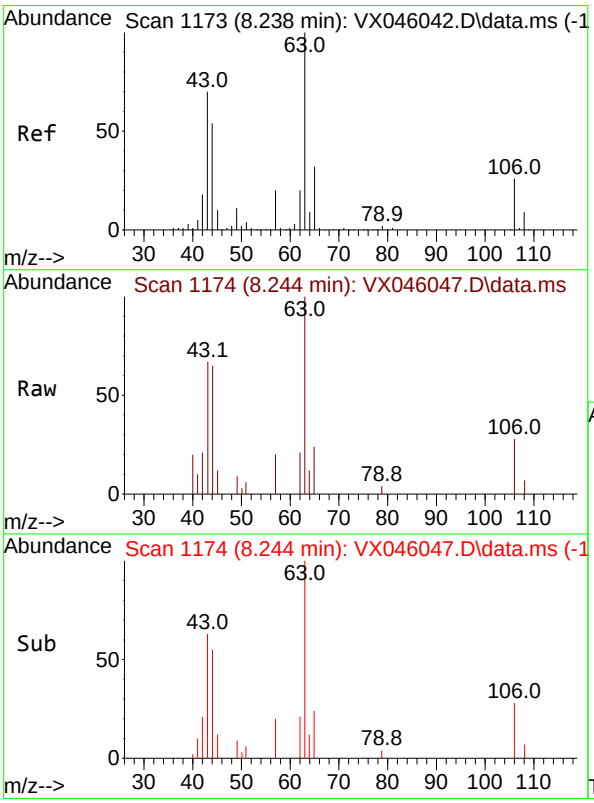

#57
1,3-Dichloropropane
Concen: 0.711 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 76 Resp: 2036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.4 | 26.3 | 39.5 |

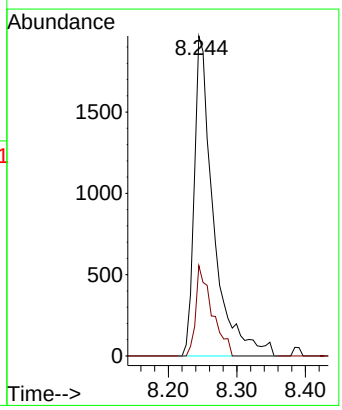


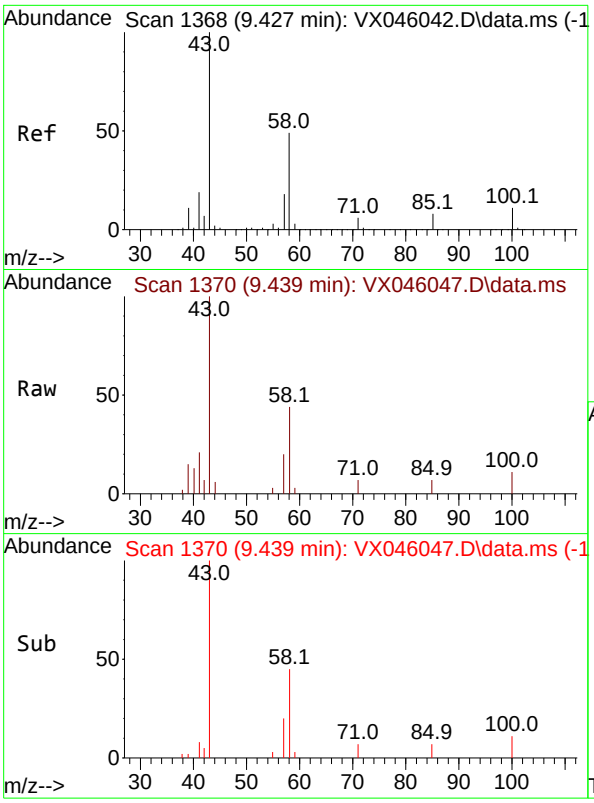




#58
2-Chloroethyl Vinyl ether
Concen: 3.420 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 3846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 24.0 | 21.5 | 32.3 |



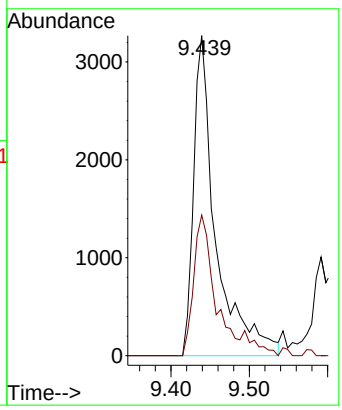


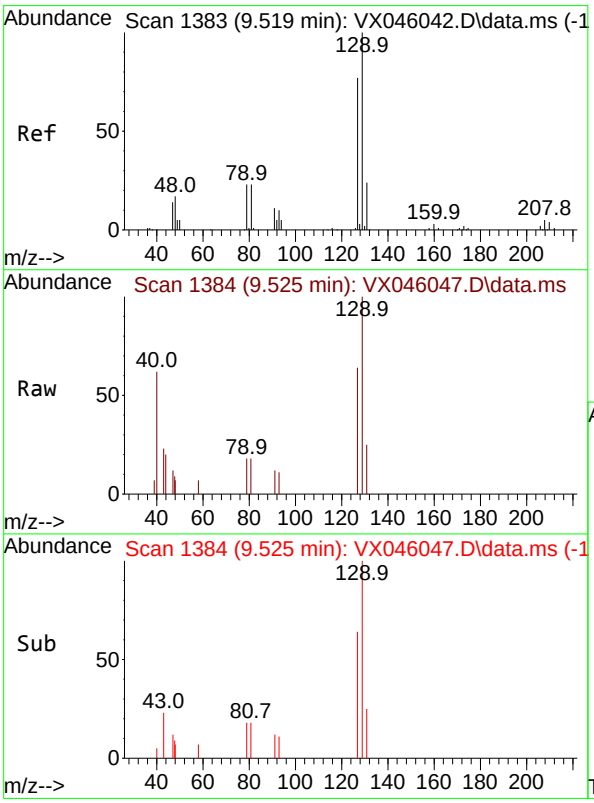

#59
2-Hexanone
Concen: 3.096 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 43 Resp: 6424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 41.6 | 24.9 | 74.6 |

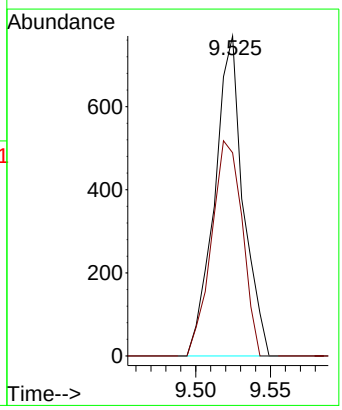


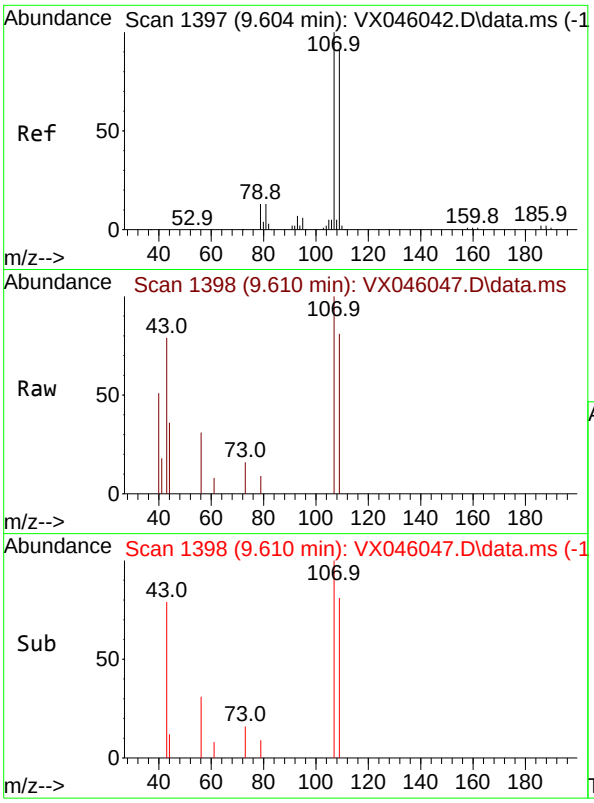




#60
Dibromochloromethane
Concen: 0.582 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:129 Resp: 1023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 72.5 | 39.3 | 117.8 |



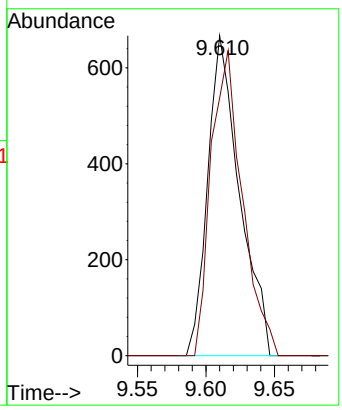


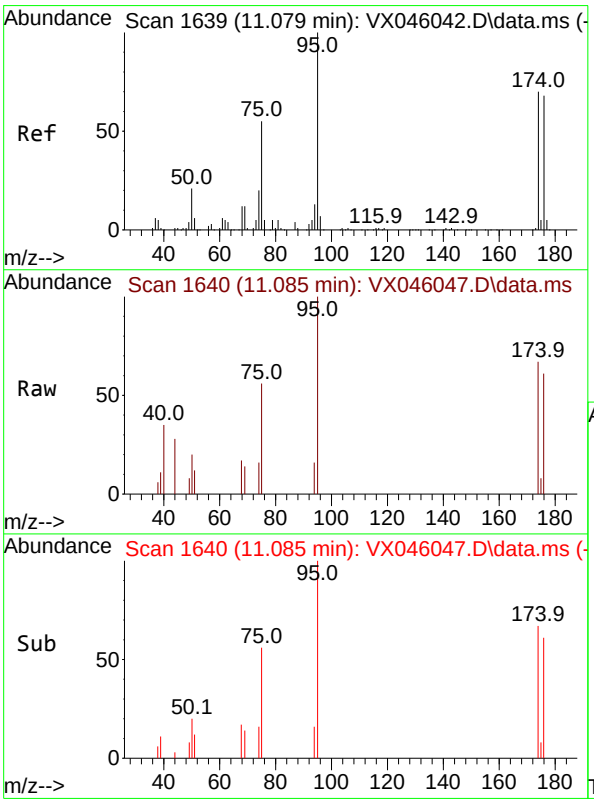

#61
1,2-Dibromoethane
Concen: 0.650 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:107 Resp: 1077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.0 | 73.3 | 109.9 |

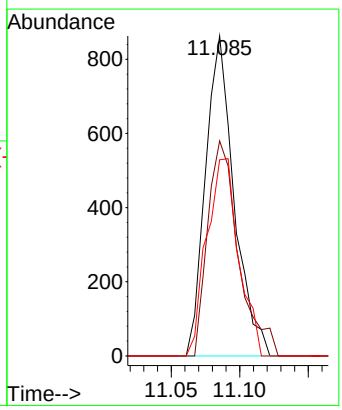


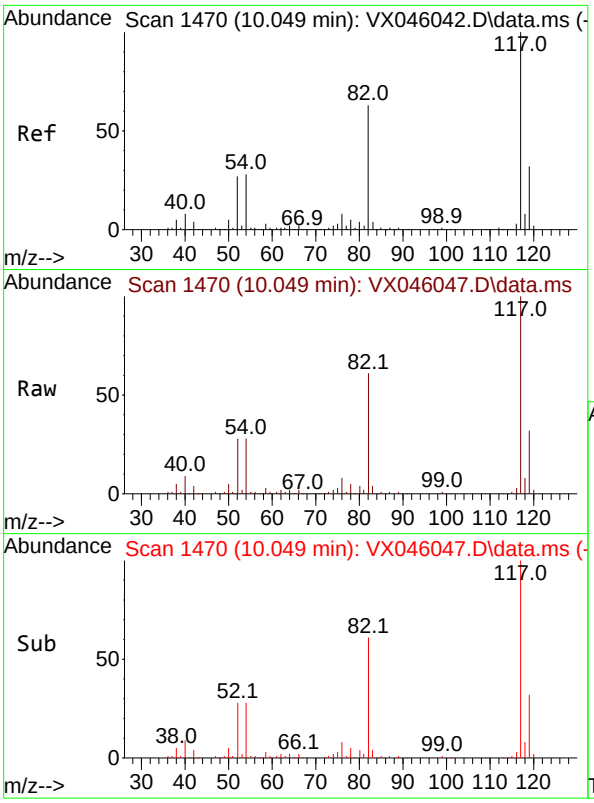




#62
4-Bromofluorobenzene
Concen: 0.545 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 95 Resp: 1250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.2 | 0.0 | 135.8 |
| 176 | 68.9 | 0.0 | 131.4 |



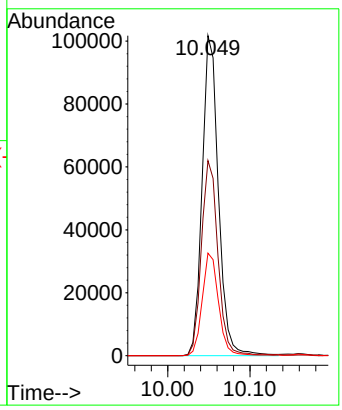


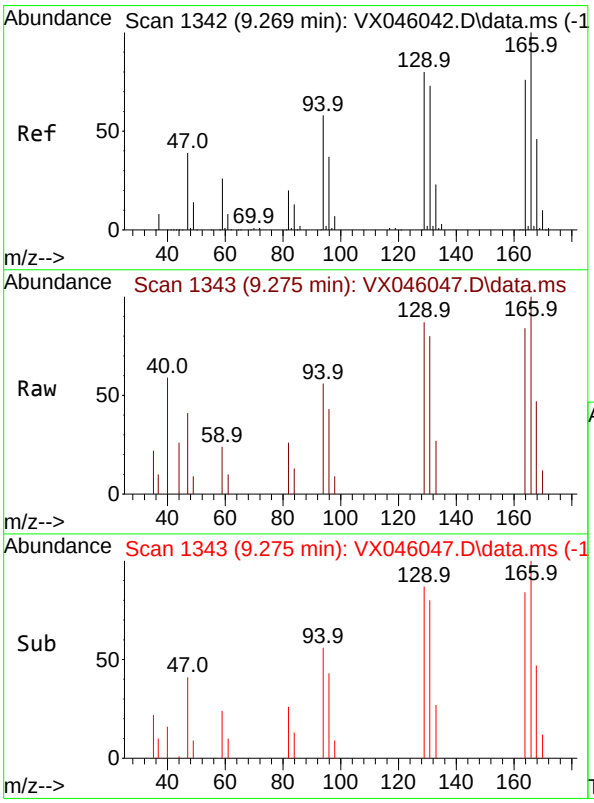

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:117 Resp: 140108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.0 | 50.6 | 76.0 |
| 119 | 32.1 | 25.8 | 38.6 |

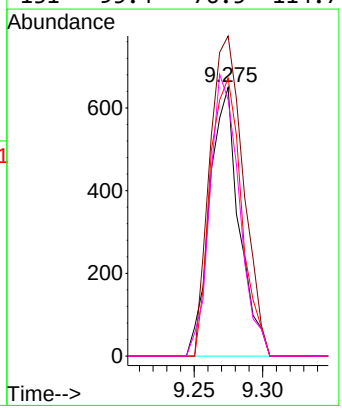


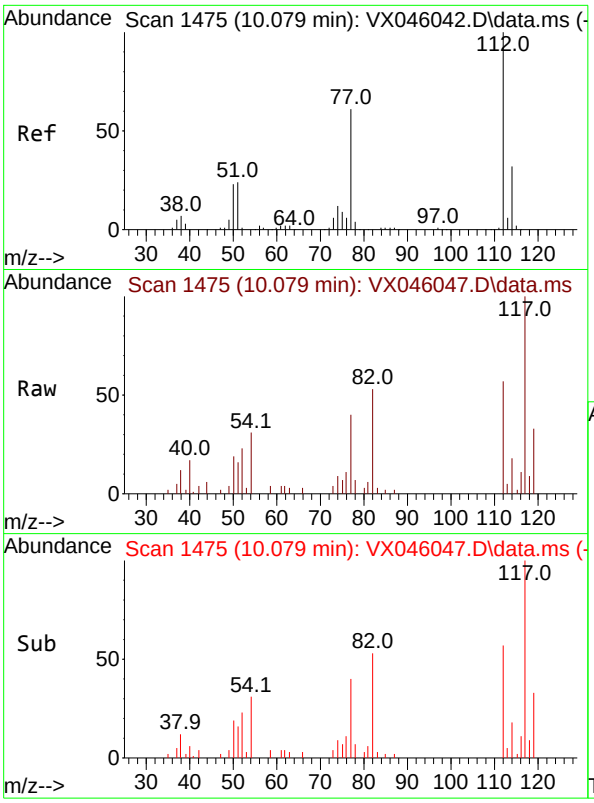




#64
Tetrachloroethene
Concen: 0.679 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:164 Resp: 972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 119.1 | 105.0 | 157.6 |
| 129 | 103.4 | 83.5 | 125.3 |
| 131 | 95.4 | 76.5 | 114.7 |



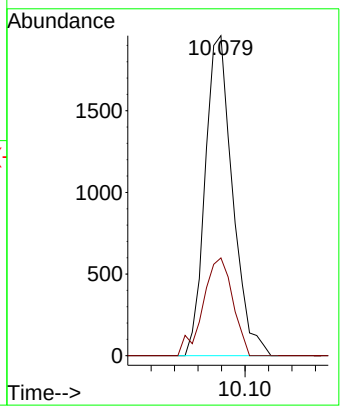


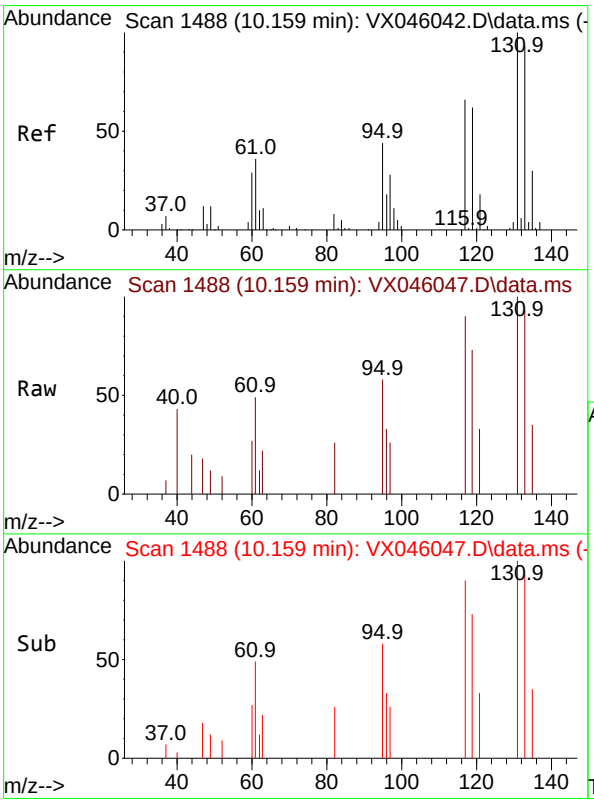

#65
Chlorobenzene
Concen: 0.735 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:112 Resp: 3170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.6 | 25.4 | 38.2 |

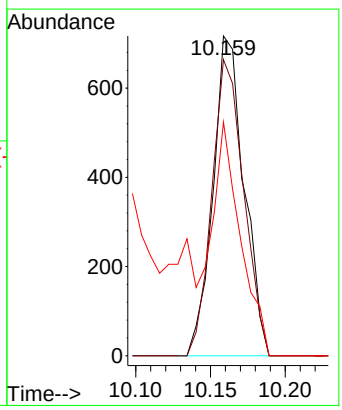


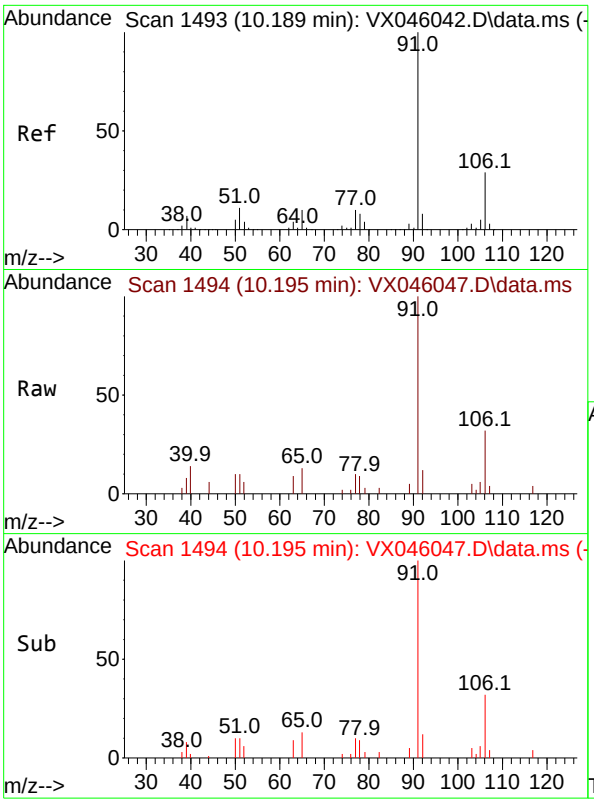




#66
1,1,1,2-Tetrachloroethane
Concen: 0.720 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:131 Resp: 1035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.9 | 47.3 | 141.9 |
| 119 | 0.0 | 31.6 | 95.0# |



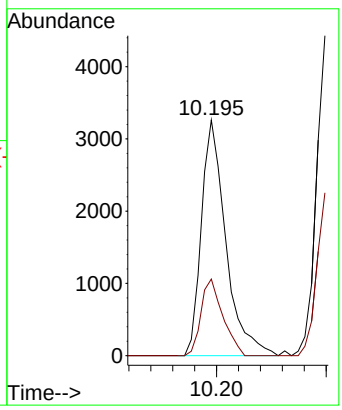


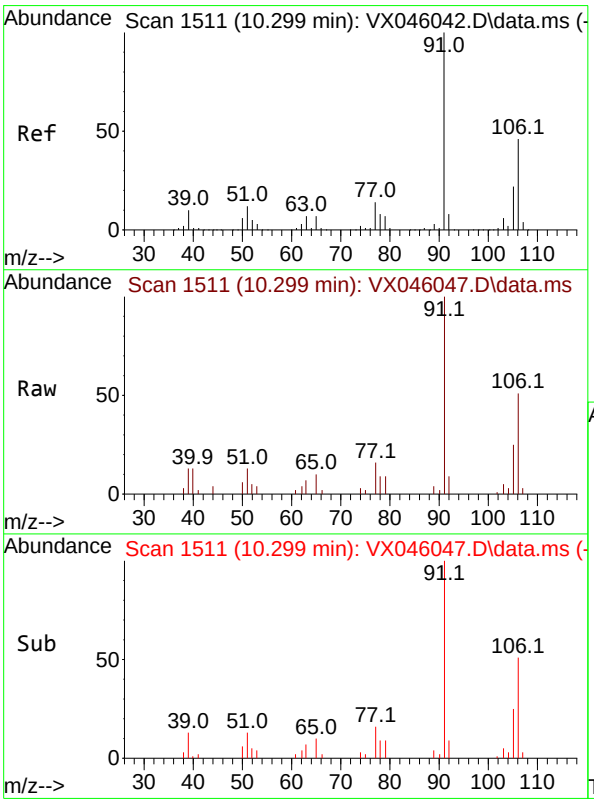

#67
Ethyl Benzene
Concen: 0.687 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 91 Resp: 5052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.5 | 23.4 | 35.2 |

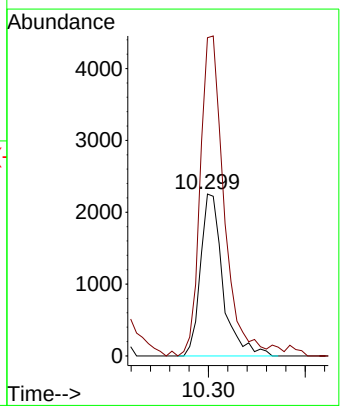


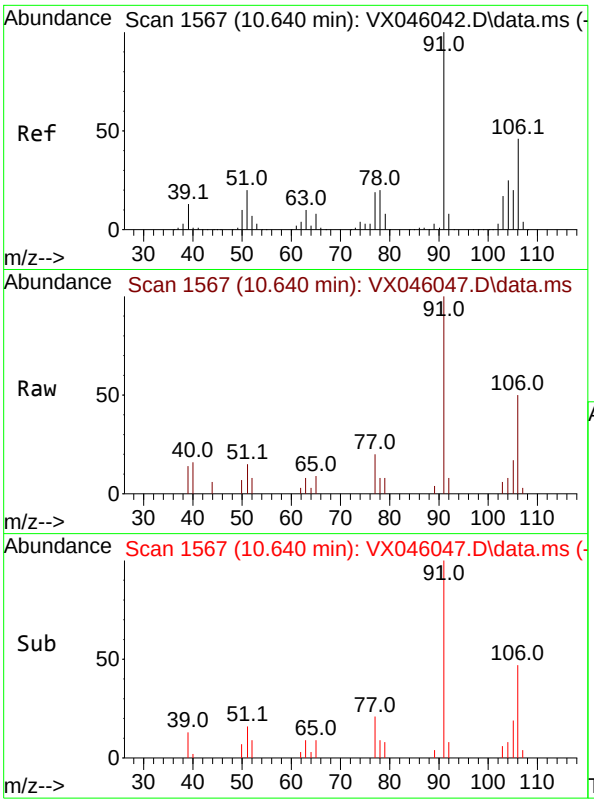




#68
m/p-Xylenes
Concen: 1.367 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:106 Resp: 3630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.8 | 171.2 | 256.8 |



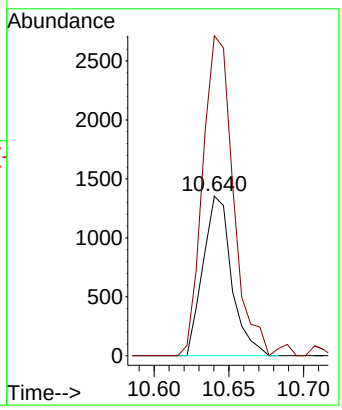


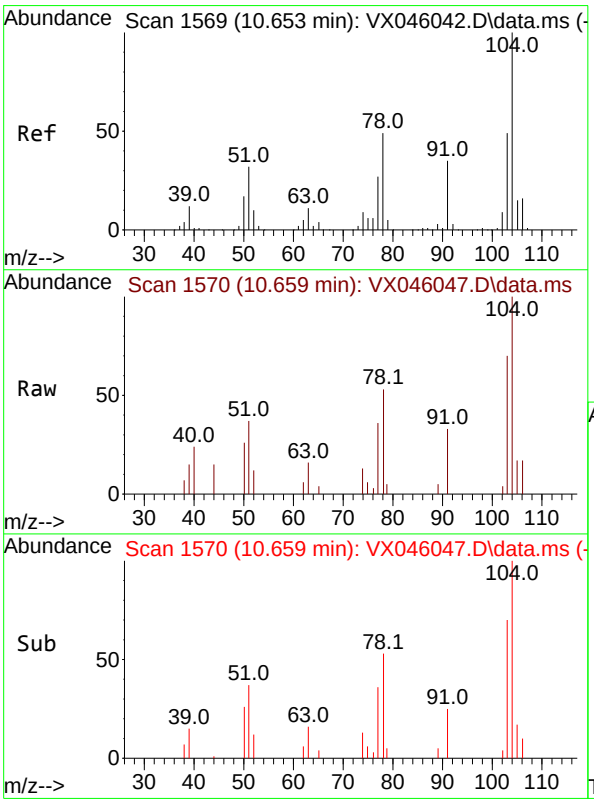

#69
o-Xylene
Concen: 0.672 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:106 Resp: 1799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.9 | 112.7 | 338.1 |

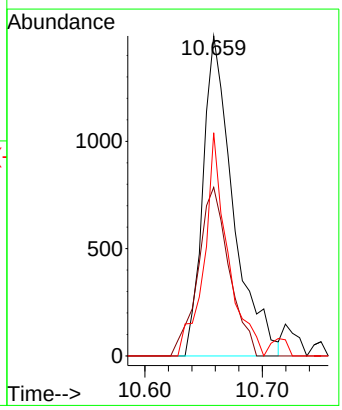


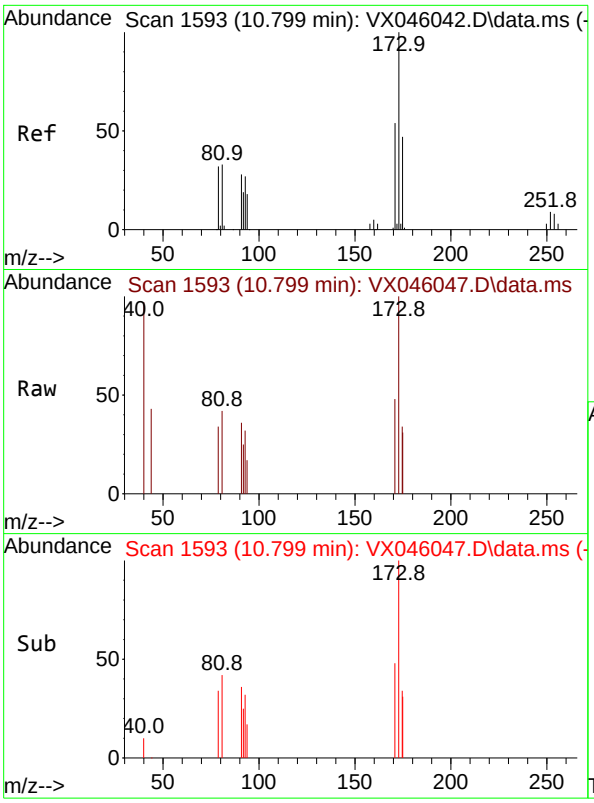




#70
Styrene
Concen: 0.622 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:104 Resp: 2664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.3 | 45.7 | 68.5 |
| 103 | 53.9 | 43.7 | 65.5 |



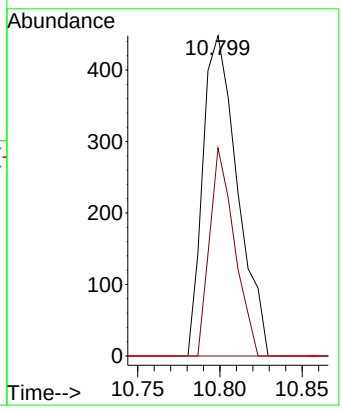


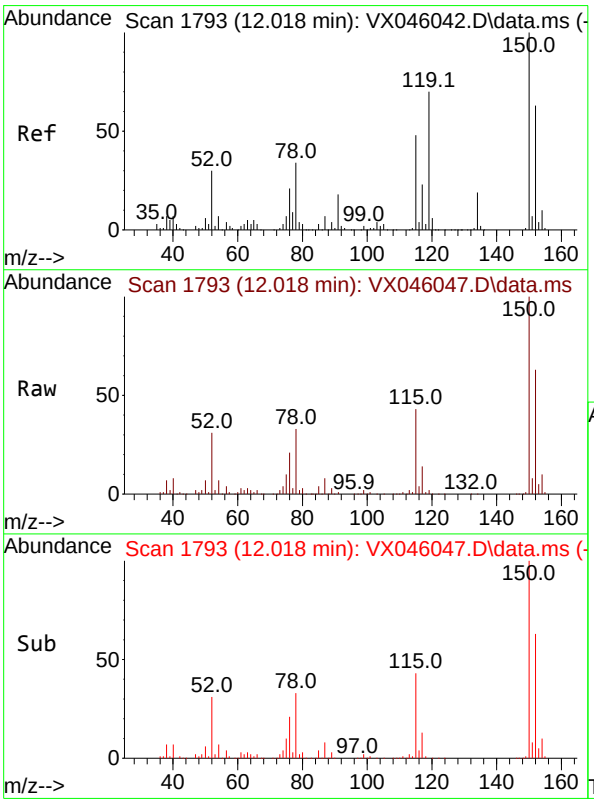

#71
Bromoform
Concen: 0.608 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:173 Resp: 657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.6 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |

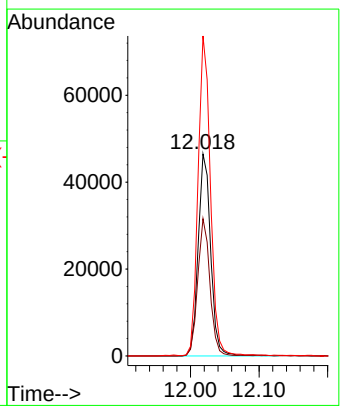


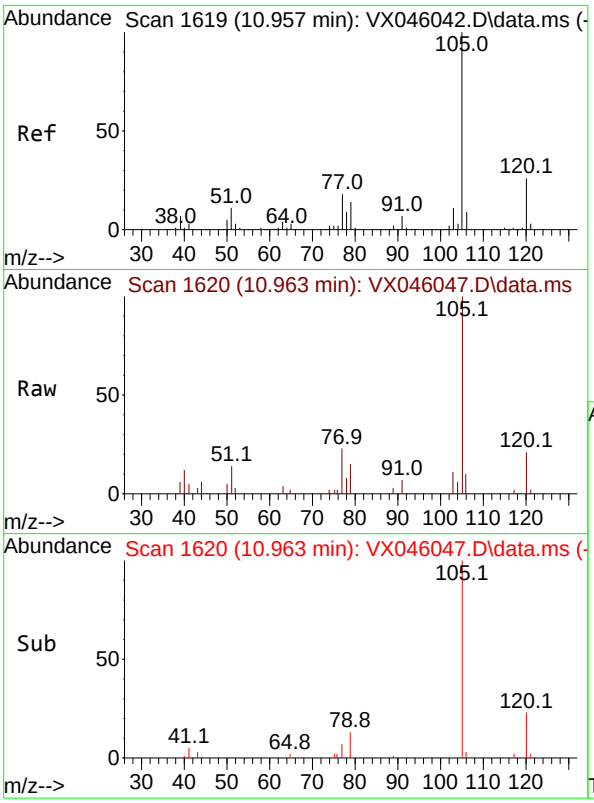




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:152 Resp: 59123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 66.6 | 46.9 | 140.7 |
| 150 | 156.3 | 0.0 | 351.0 |



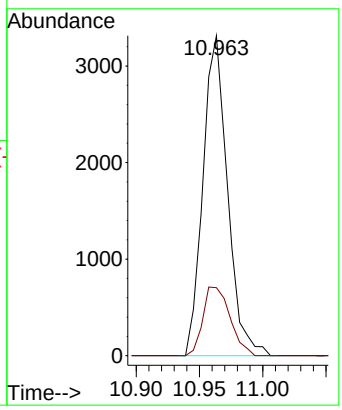


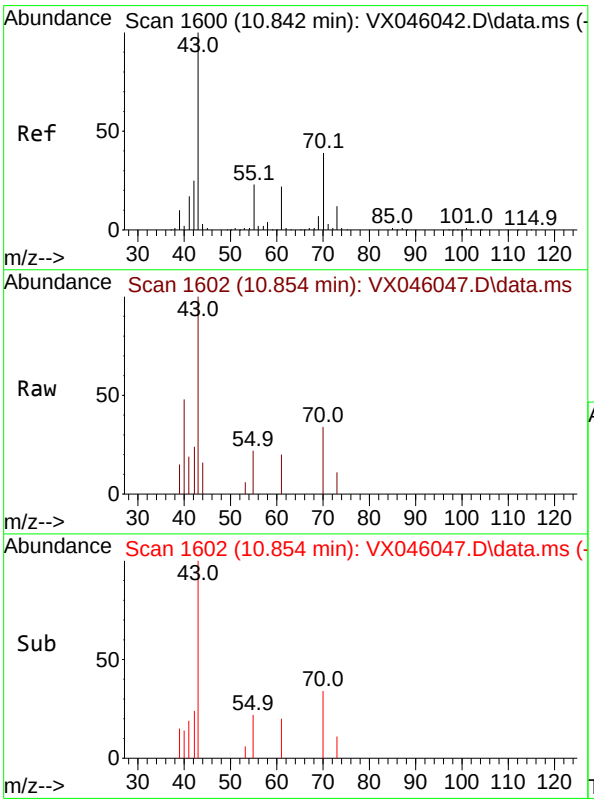

#73
Isopropylbenzene
Concen: 0.695 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:105 Resp: 4480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 23.7 | 12.8 | 38.4 |

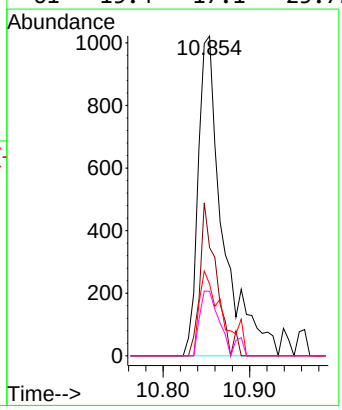


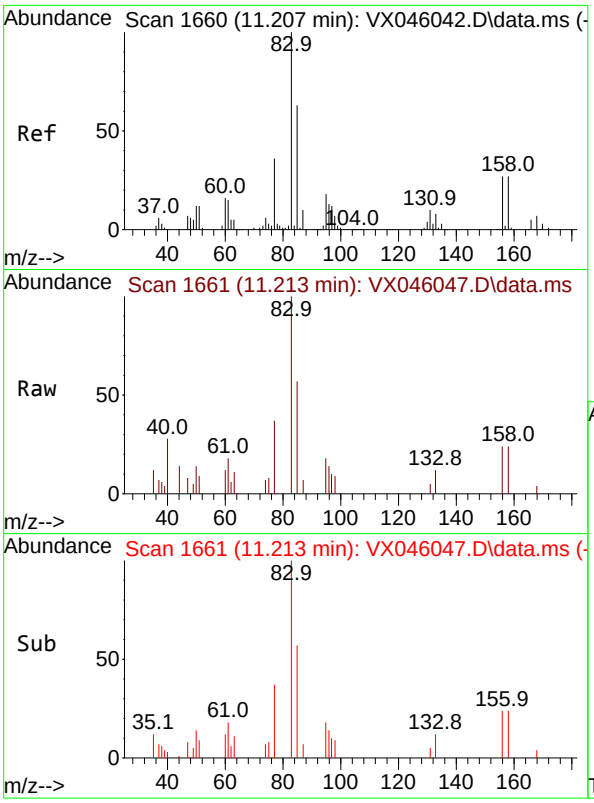




#74
N-amyl acetate
Concen: 0.631 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 2028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 31.5 | 30.9 | 46.3 |
| 55 | 24.5 | 18.7 | 28.1 |
| 61 | 15.4 | 17.1 | 25.7# |



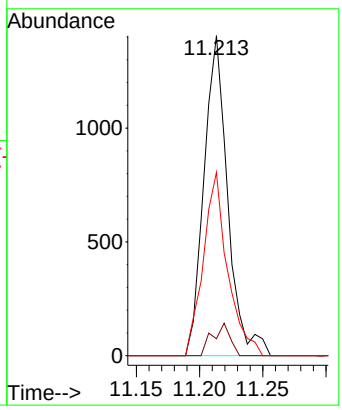


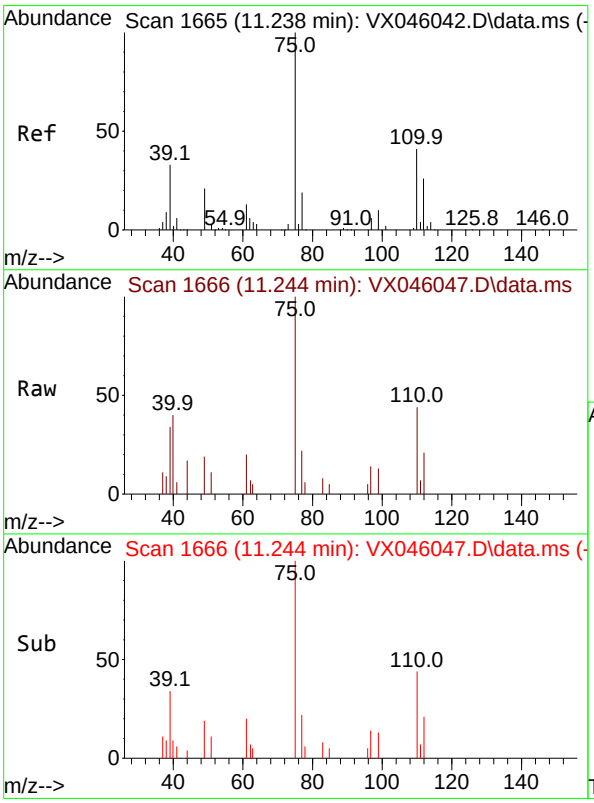

#75
1,1,2,2-Tetrachloroethane
Concen: 0.800 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 83 Resp: 1835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 7.5 | 5.0 | 14.9 |
| 85 | 58.7 | 31.9 | 95.7 |

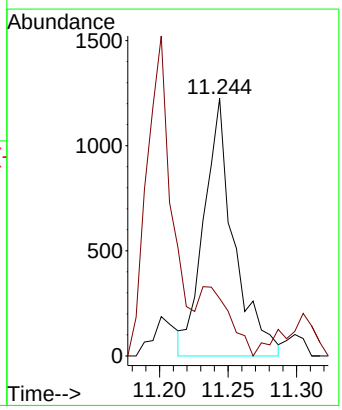


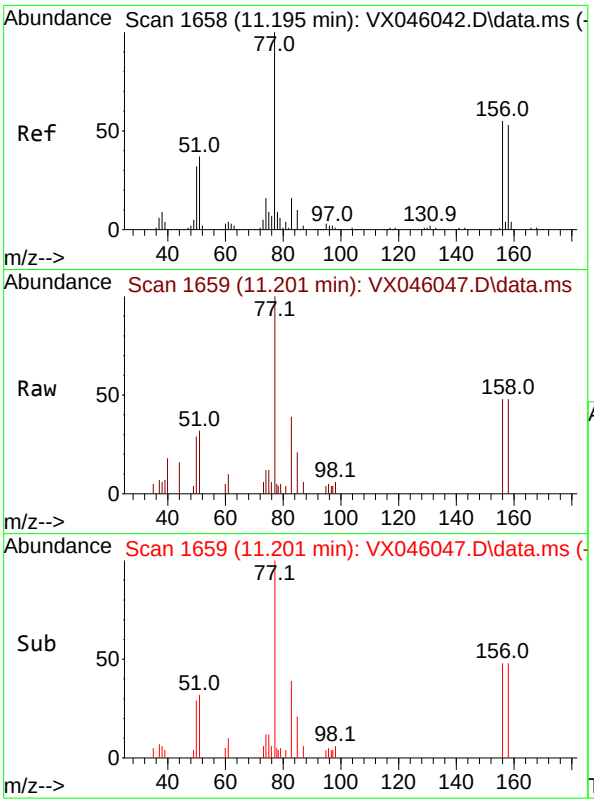




#76
1,2,3-Trichloropropane
Concen: 0.754 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 1858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 26.5 | 20.5 | 61.5 |



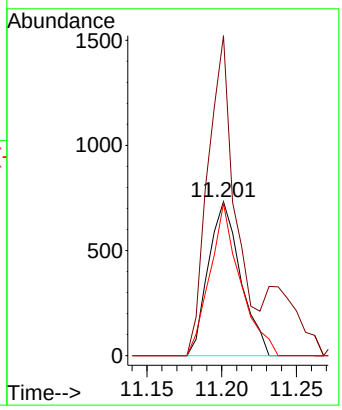


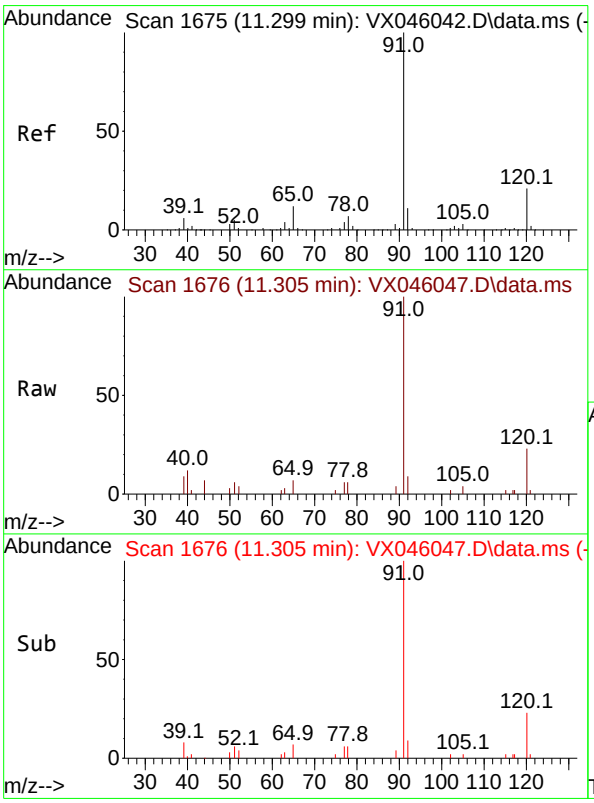

#77
Bromobenzene
Concen: 0.734 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:156 Resp: 1095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 179.5 | 92.8 | 278.3 |
| 158 | 93.5 | 48.8 | 146.3 |

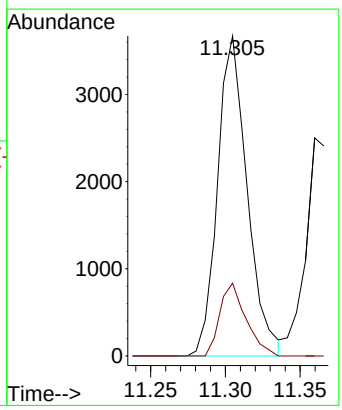


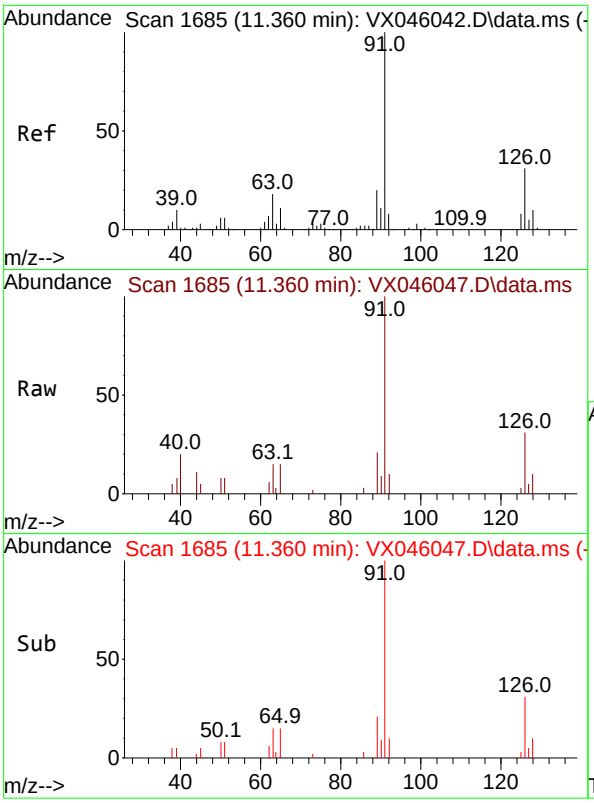




#78
n-propylbenzene
Concen: 0.699 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 5052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 20.1 | 10.8 | 32.4 |



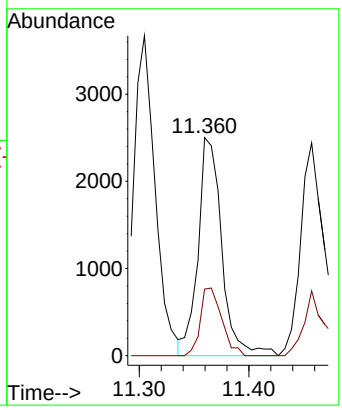


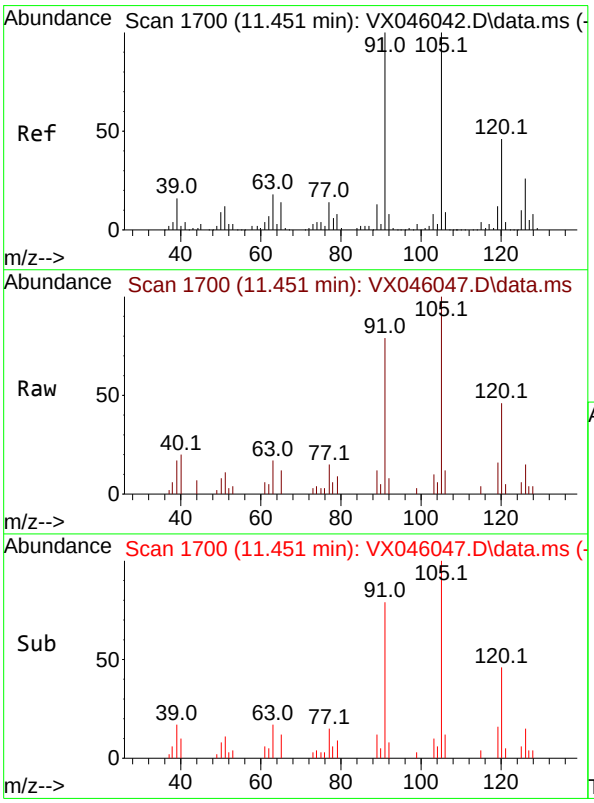

#79
2-Chlorotoluene
Concen: 0.773 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 91 Resp: 3765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.0 | 15.6 | 46.7 |

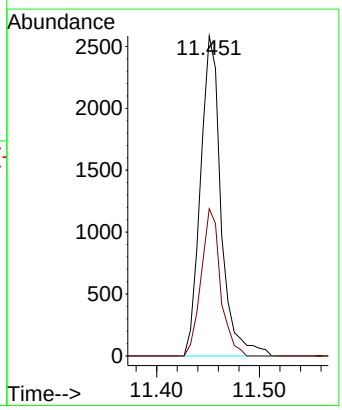


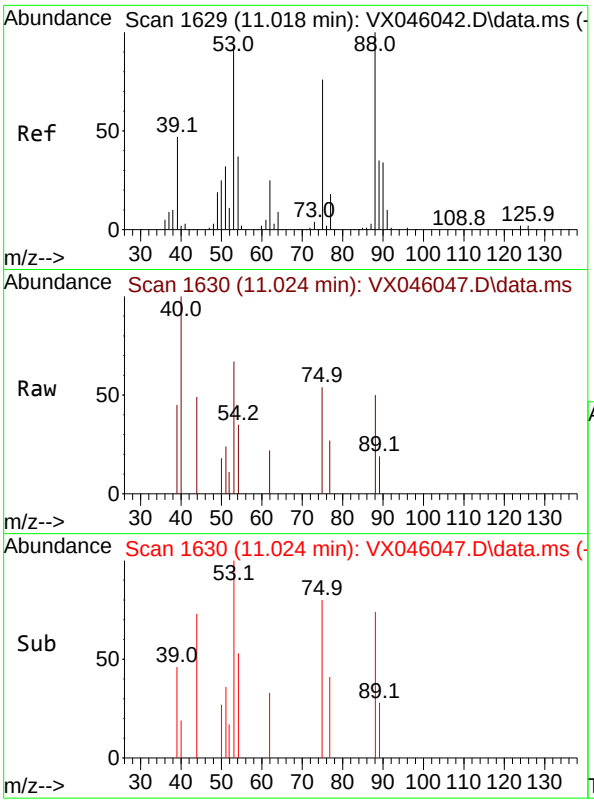




#80
1,3,5-Trimethylbenzene
Concen: 0.671 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 3590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.4 | 23.1 | 69.2 |



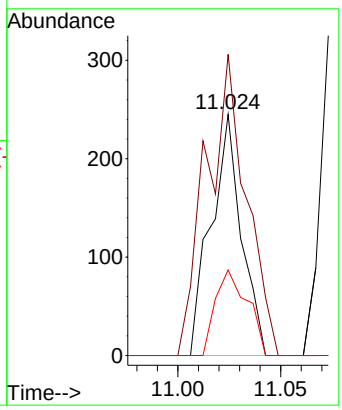


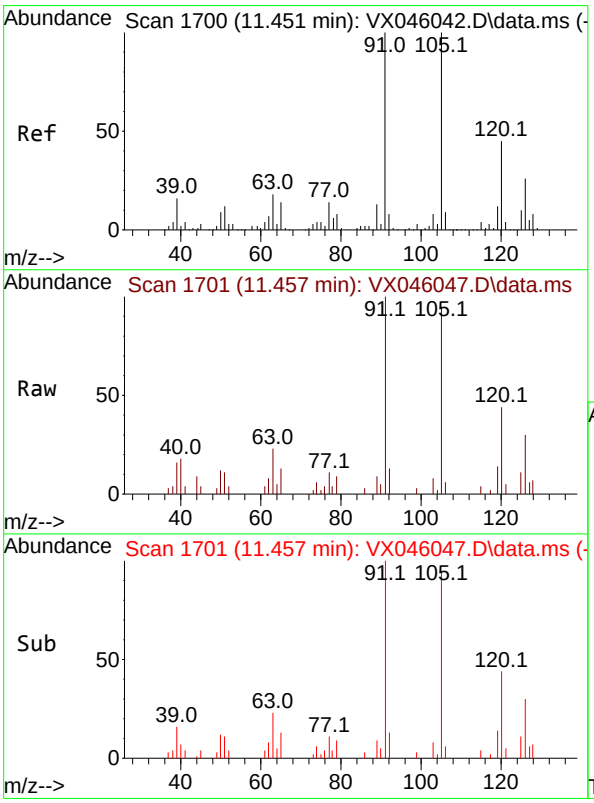

#81
trans-1,4-Dichloro-2-butene
Concen: 0.425 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 75 Resp: 252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 164.7 | 100.5 | 150.7# |
| 89 | 37.3 | 37.0 | 55.6 |

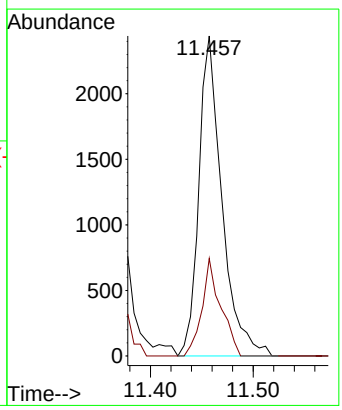


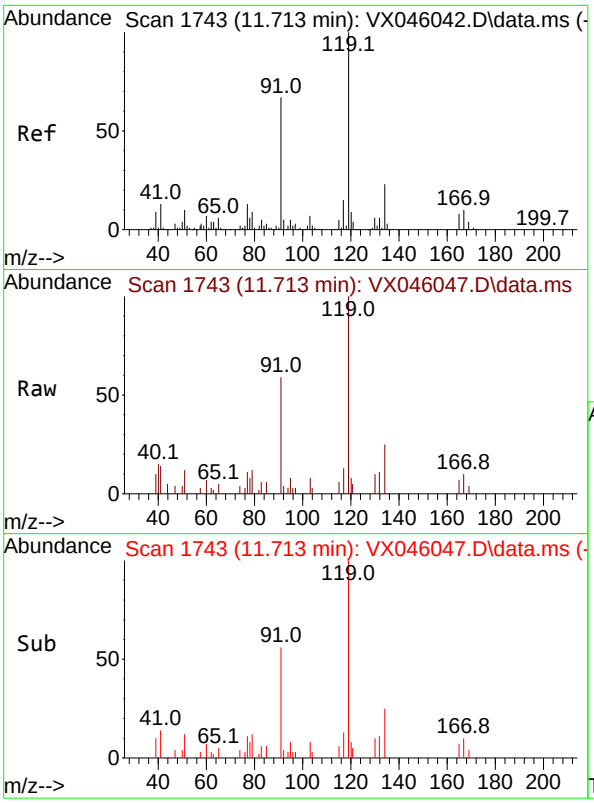




#82
4-Chlorotoluene
Concen: 0.713 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 3815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 24.8 | 13.3 | 39.8 |



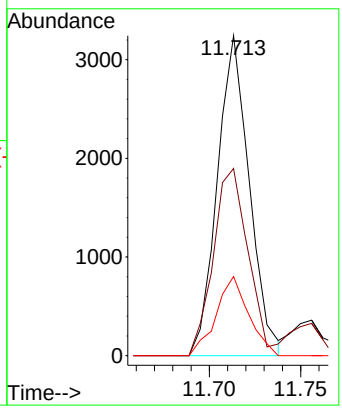


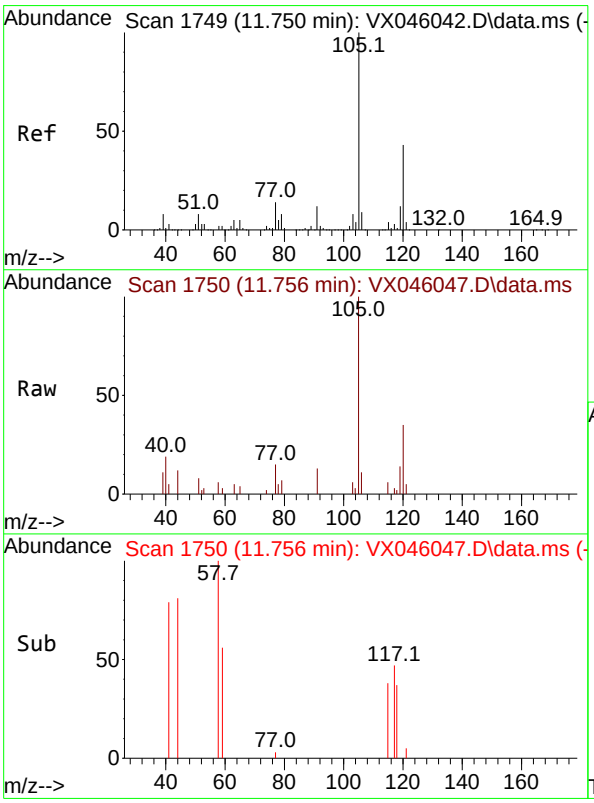

#83
tert-Butylbenzene
Concen: 0.751 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:119 Resp: 3951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 63.9 | 32.9 | 98.7 |
| 134 | 25.2 | 11.4 | 34.1 |

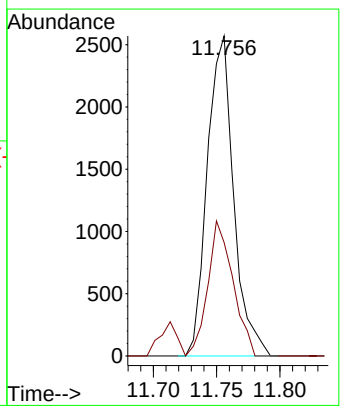


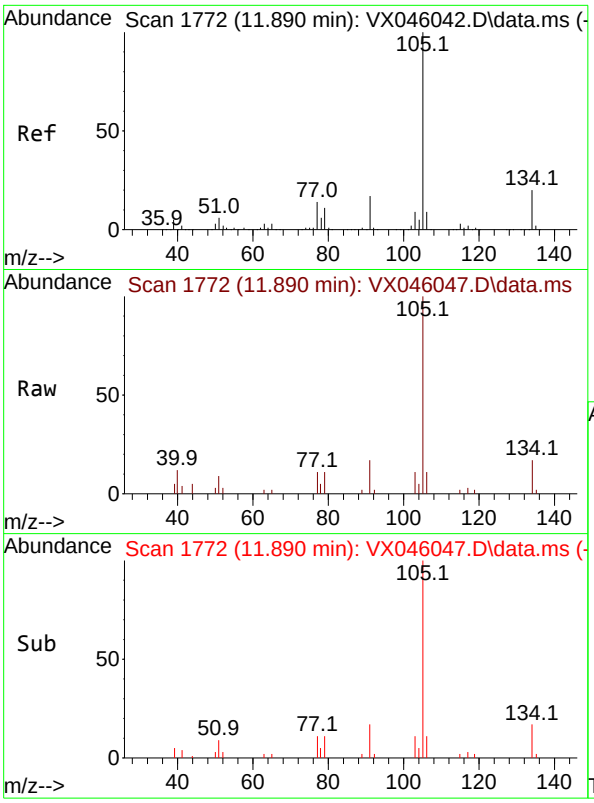




#84
1,2,4-Trimethylbenzene
Concen: 0.697 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 3725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 40.3 | 21.2 | 63.6 |



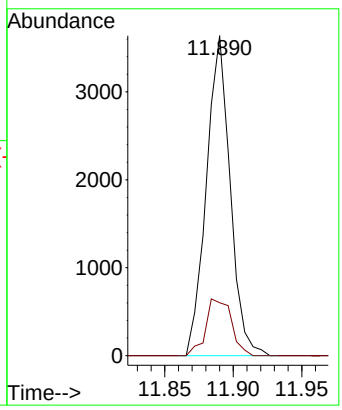


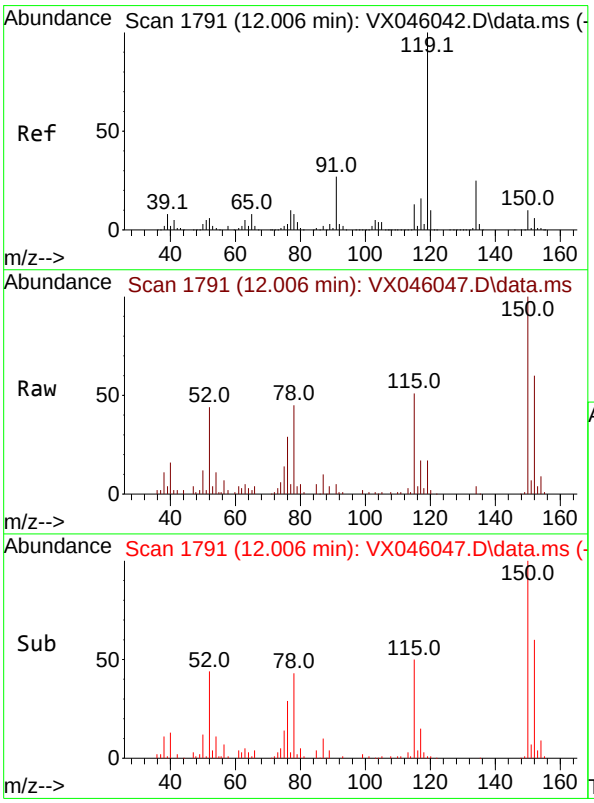

#85
sec-Butylbenzene
Concen: 0.672 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:105 Resp: 4385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.2 | 9.7 | 29.1 |

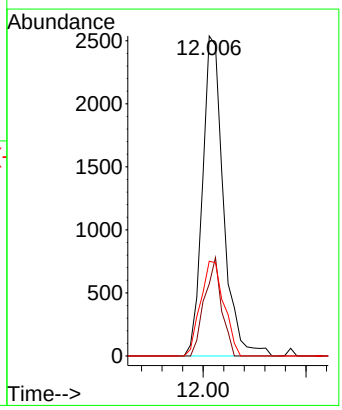


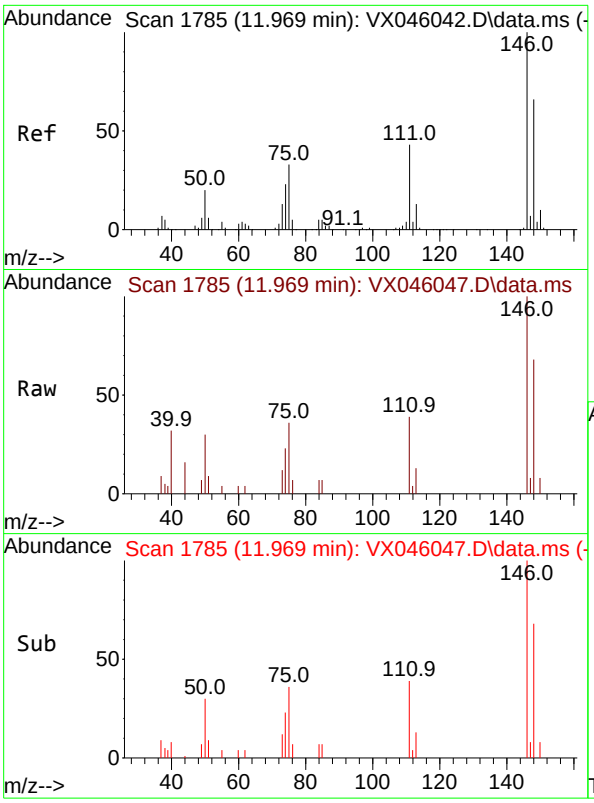




#86
p-Isopropyltoluene
Concen: 0.679 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:119 Resp: 3577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.0 | 12.5 | 37.5 |
| 91 | 33.1 | 13.8 | 41.4 |



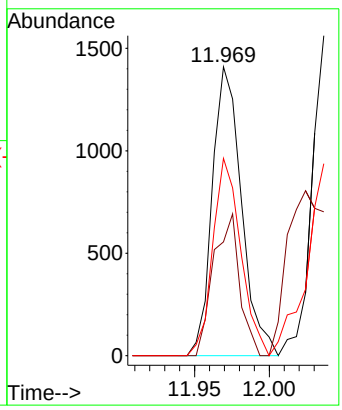


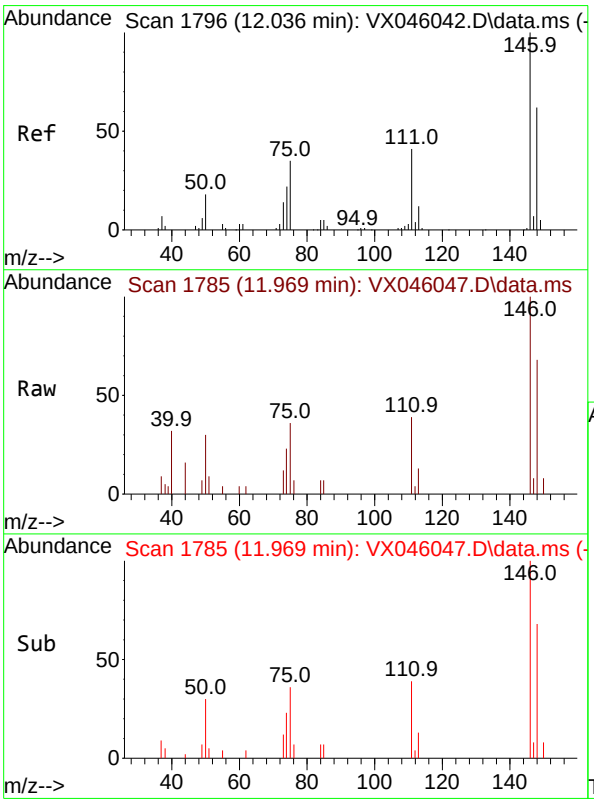

#87
1,3-Dichlorobenzene
Concen: 0.689 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:146 Resp: 1914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.9 | 22.1 | 66.3 |
| 148 | 65.3 | 32.1 | 96.5 |

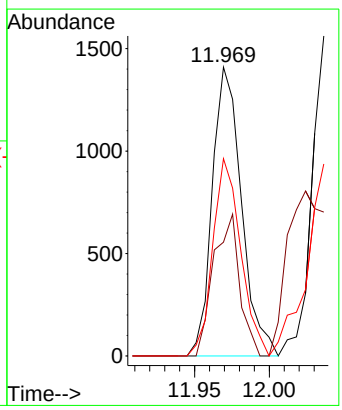


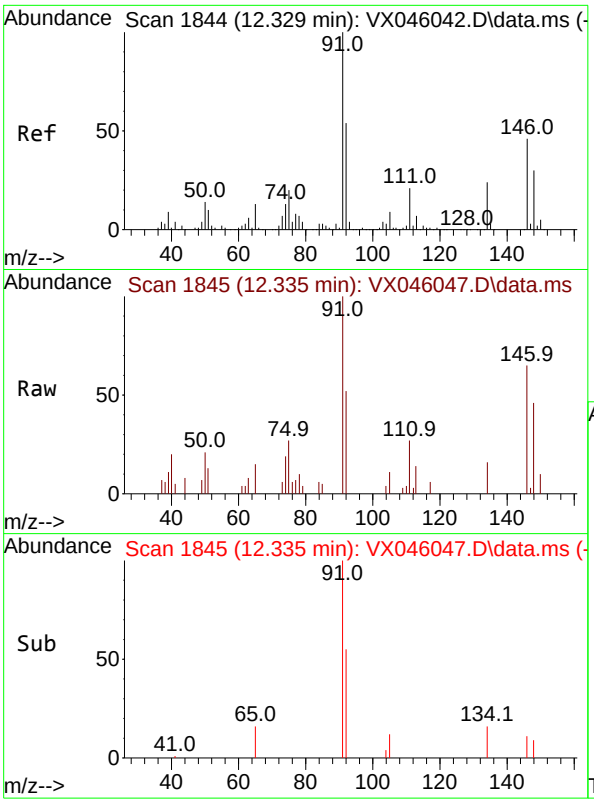




#88
1,4-Dichlorobenzene
Concen: 0.703 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 1914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.9 | 21.3 | 63.9 |
| 148 | 65.3 | 31.9 | 95.5 |



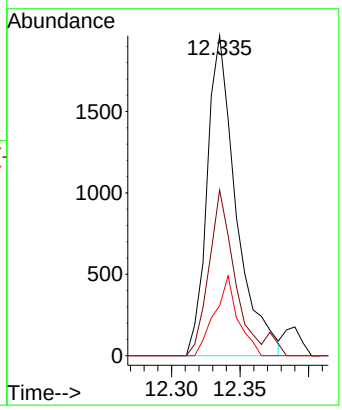


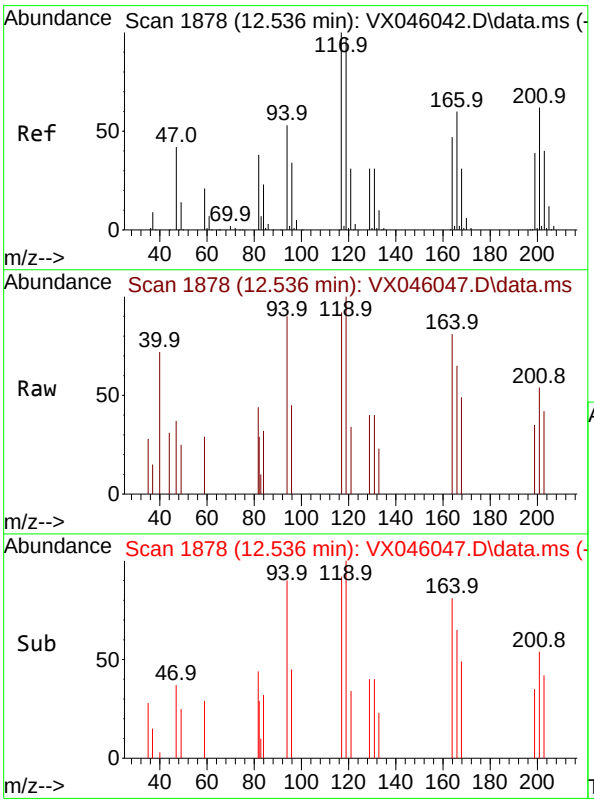

#89
n-Butylbenzene
Concen: 0.631 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion: 91 Resp: 2889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 48.1 | 26.9 | 80.7 |
| 134 | 20.1 | 11.8 | 35.3 |

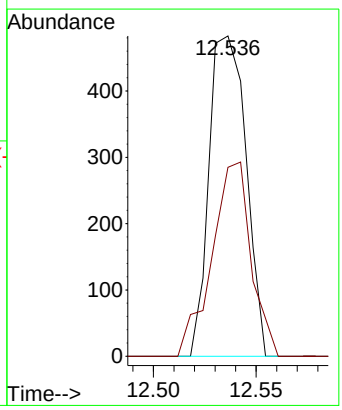


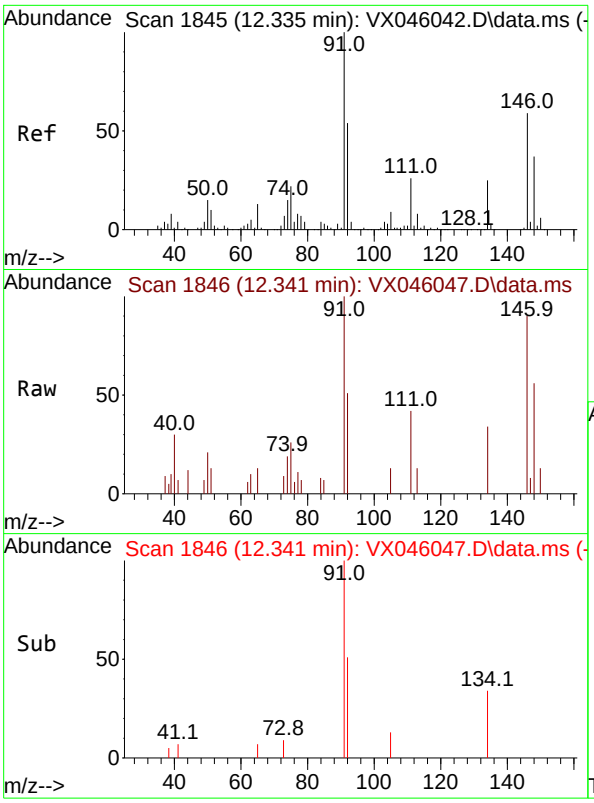




#90
Hexachloroethane
Concen: 0.616 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.2 | 31.6 | 94.7 |



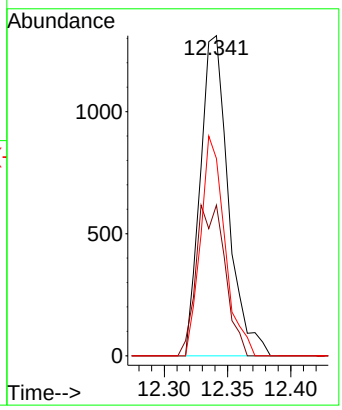


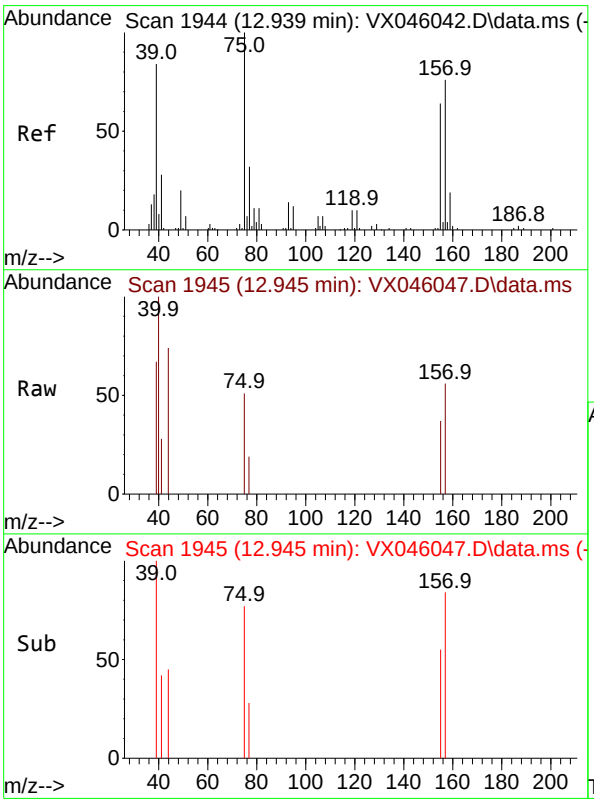

#91
1,2-Dichlorobenzene
Concen: 0.747 ug/l
RT: 12.341 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:146 Resp: 2022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 48.8 | 22.4 | 67.3 |
| 148 | 59.4 | 31.6 | 94.8 |

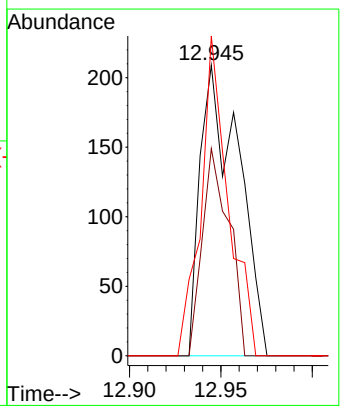


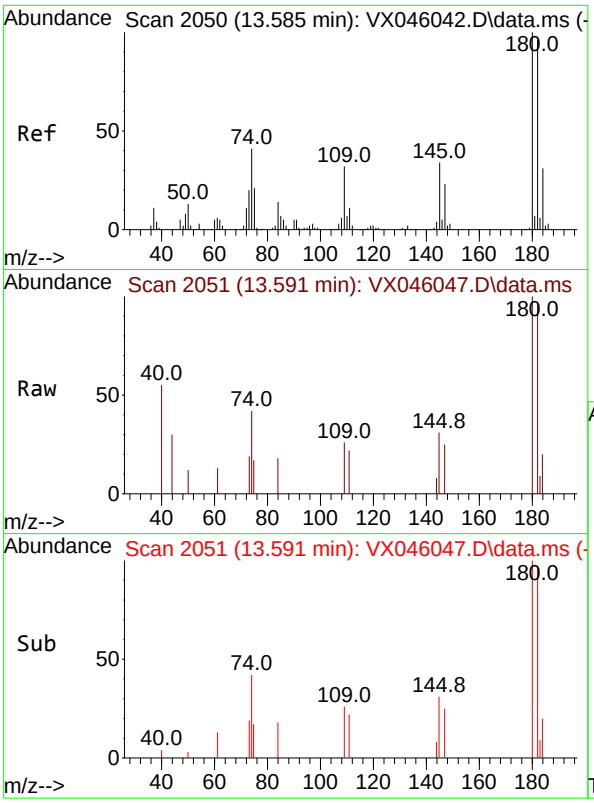




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.586 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 49.3 | 34.9 | 104.8 |
| 157 | 78.1 | 43.8 | 131.4 |



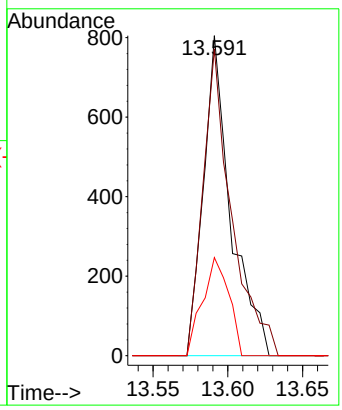


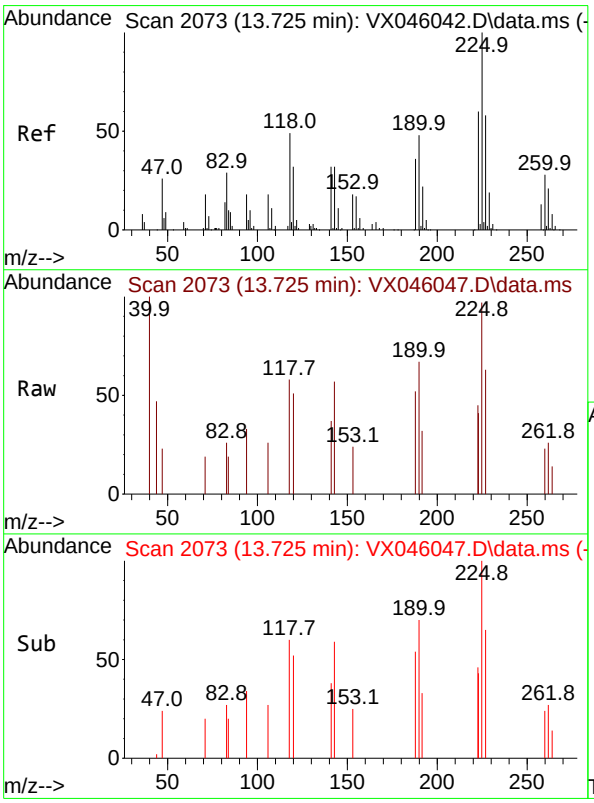

#93
1,2,4-Trichlorobenzene
Concen: 0.688 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:180 Resp: 1019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 100.6 | 47.9 | 143.8 |
| 145 | 29.5 | 17.1 | 51.2 |

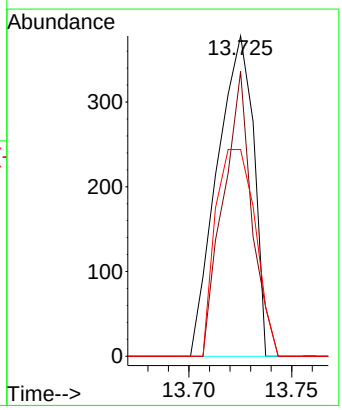


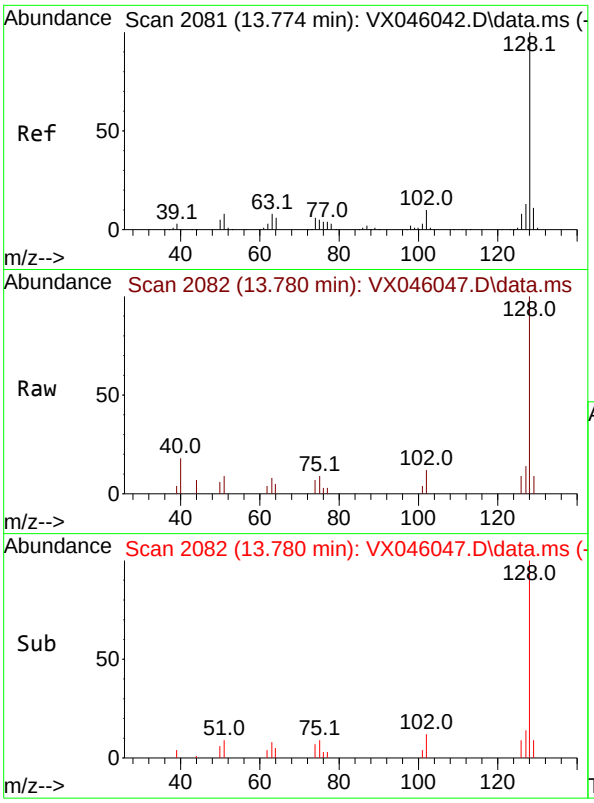




#94
Hexachlorobutadiene
Concen: 0.671 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:225 Resp: 465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 69.7 | 30.8 | 92.4 |
| 227 | 70.5 | 30.9 | 92.7 |



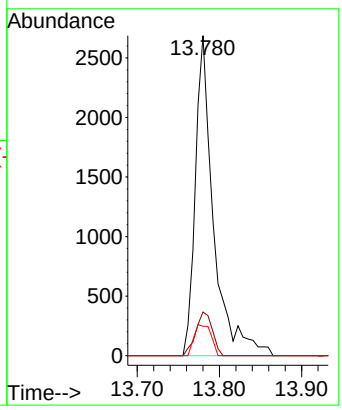


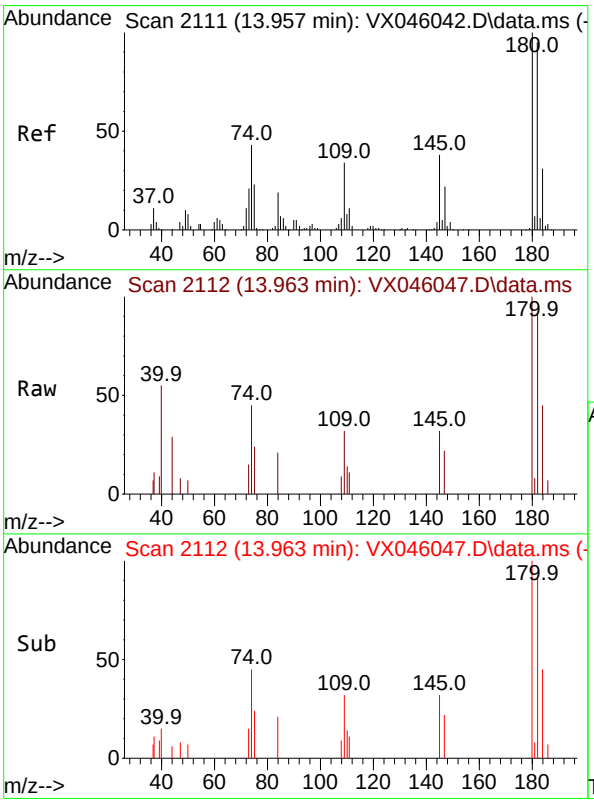

#95
Naphthalene
Concen: 0.767 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Tgt Ion:128 Resp: 4138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.4 | 10.4 | 15.6 |
| 129 | 8.9 | 8.6 | 13.0 |

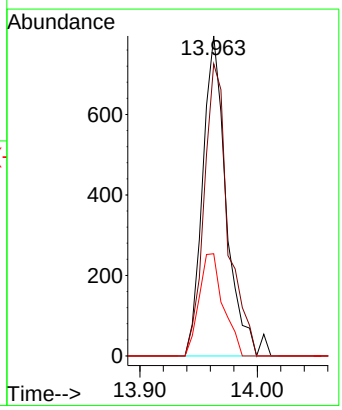



#96
1,2,3-Trichlorobenzene
Concen: 0.716 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:180 Resp: 1113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.5 | 47.8 | 143.3 |
| 145 | 32.5 | 18.1 | 54.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 92588 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 162651 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 145078 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 68229 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 83733 | 48.509 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 97.020% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 58192 | 49.683 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.360% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 198575 | 48.984 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 97.960% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 75568 | 48.596 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 78783 | 55.594 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 72275 | 52.592 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 65994 | 51.598 | ug/l | 98 |
| 5) Bromomethane | 1.593 | 94 | 30033 | 50.627 | ug/l | 97 |
| 6) Chloroethane | 1.666 | 64 | 35690 | 52.271 | ug/l | 94 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 99352 | 52.560 | ug/l | 99 |
| 8) Diethyl Ether | 2.130 | 74 | 31875 | 49.536 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 59451 | 50.822 | ug/l | 99 |
| 10) Methyl Iodide | 2.447 | 142 | 73940 | 53.419 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.977 | 59 | 61065 | 252.025 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.313 | 96 | 56097 | 51.097 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 64157 | 232.505 | ug/l | 99 |
| 14) Allyl chloride | 2.660 | 41 | 108757 | 51.833 | ug/l | 100 |
| 15) Acrylonitrile | 3.063 | 53 | 181808 | 262.412 | ug/l | 99 |
| 16) Acetone | 2.380 | 43 | 169923 | 245.518 | ug/l | 98 |
| 17) Carbon Disulfide | 2.502 | 76 | 132695 | 50.981 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 80251 | 49.968 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 195442 | 50.777 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 63369 | 47.779 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 55770 | 50.513 | ug/l | 99 |
| 22) Diisopropyl ether | 3.757 | 45 | 209946 | 51.800 | ug/l | 97 |
| 23) Vinyl Acetate | 3.715 | 43 | 946746 | 265.585 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 114733 | 50.825 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 258339 | 257.110 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 88229 | 49.934 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 67727 | 50.956 | ug/l | 100 |
| 28) Bromochloromethane | 4.891 | 49 | 55390 | 50.975 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.001 | 42 | 163675 | 259.958 | ug/l | 99 |
| 30) Chloroform | 5.093 | 83 | 120782 | 51.332 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 103158 | 50.147 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 104243 | 51.108 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 77931 | 49.521 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 98604 | 50.714 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 88100 | 49.825 | ug/l | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 100808 | 49.757 | ug/l | 98 |
| 40) Benzene | 6.031 | 78 | 233977 | 50.759 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 56017 | 55.076 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 101185 | 50.861 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.336 | 43 | 154818 | 52.195 | ug/l | | 99 |
| 44) Trichloroethene | 7.123 | 130 | 55491 | 50.018 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 59582 | 51.983 | ug/l | | 98 |
| 46) Dibromomethane | 7.580 | 93 | 45181 | 49.978 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 92388 | 51.889 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 82144 | 54.226 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.659 | 88 | 30477 | 1059.599 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 510206 | 259.133 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 144574 | 51.150 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 83751 | 52.920 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 92517 | 52.892 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 56713 | 50.887 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 95772 | 53.918 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 99663 | 49.793 | ug/l | | 97 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 240681 | 265.780 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 390701 | 268.218 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 63738 | 52.075 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 59134 | 51.050 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 48034 | 46.795 | ug/l | | 98 |
| 65) Chlorobenzene | 10.073 | 112 | 154640 | 48.699 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 53735 | 49.557 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 281239 | 50.245 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 206813 | 101.022 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 101469 | 50.841 | ug/l | | 99 |
| 70) Styrene | 10.653 | 104 | 169703 | 51.907 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 40364 | 49.583 | ug/l | # | 97 |
| 73) Isopropylbenzene | 10.957 | 105 | 269484 | 50.733 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 137559 | 52.407 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 89027 | 47.827 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 99886 | 60.821 | ug/l | | 86 |
| 77) Bromobenzene | 11.195 | 156 | 59871 | 48.549 | ug/l | | 98 |
| 78) n-propylbenzene | 11.299 | 91 | 312285 | 50.562 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 195630 | 49.107 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 228538 | 51.500 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 24857 | 49.276 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 223811 | 50.661 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 225783 | 50.511 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 231371 | 51.485 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 280578 | 51.122 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 231942 | 51.198 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.963 | 146 | 113146 | 50.272 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 111173 | 48.368 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 205858 | 51.804 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 39823 | 49.895 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 111482 | 49.361 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 21220 | 51.458 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 64421 | 49.662 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 27425 | 48.408 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 239805 | 50.404 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 64950 | 48.525 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

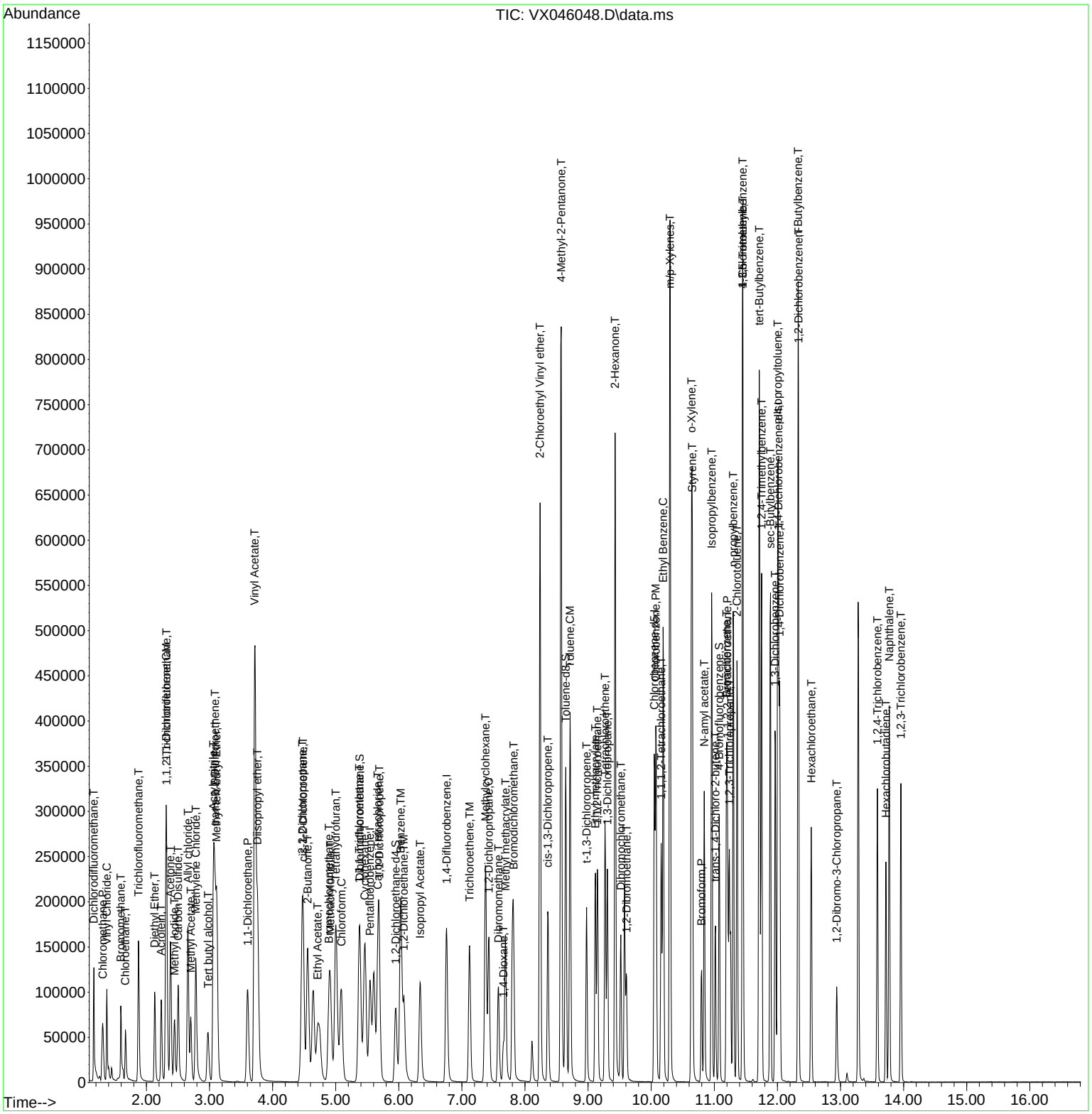
(#) = qualifier out of range (m) = manual integration (+) = signals summed

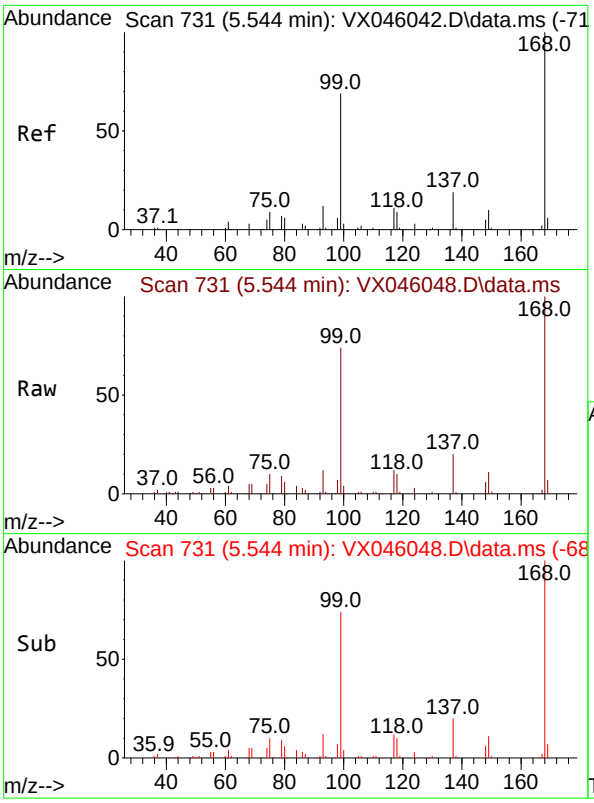
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



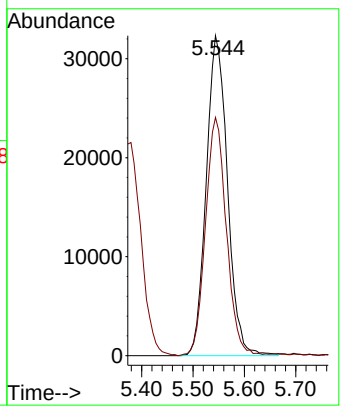


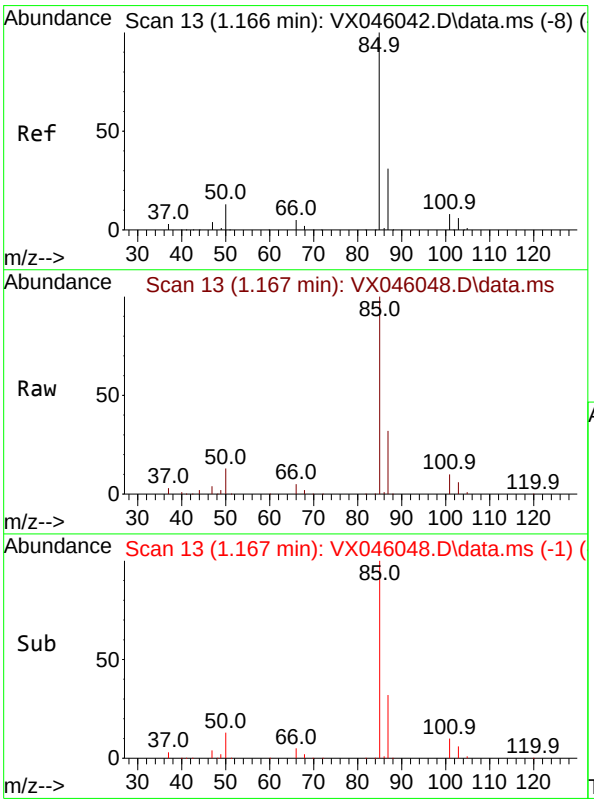

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:168 Resp: 92588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 74.5 | 54.9 | 82.3 |

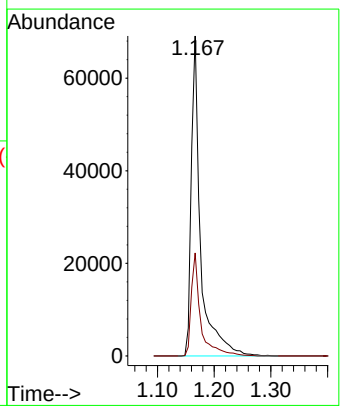


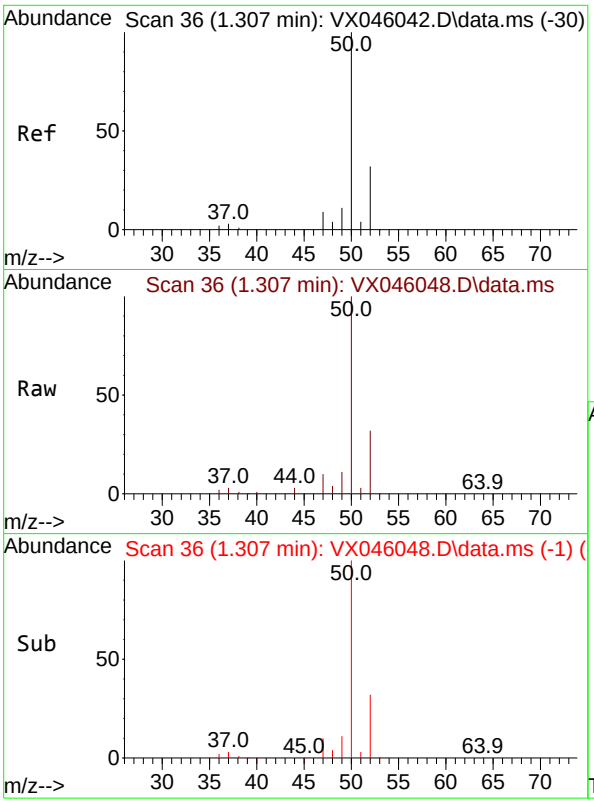




#2
Dichlorodifluoromethane
Concen: 55.594 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 85 Resp: 78783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.2 | 15.7 | 47.1 |



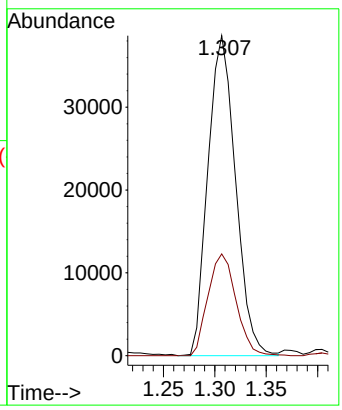


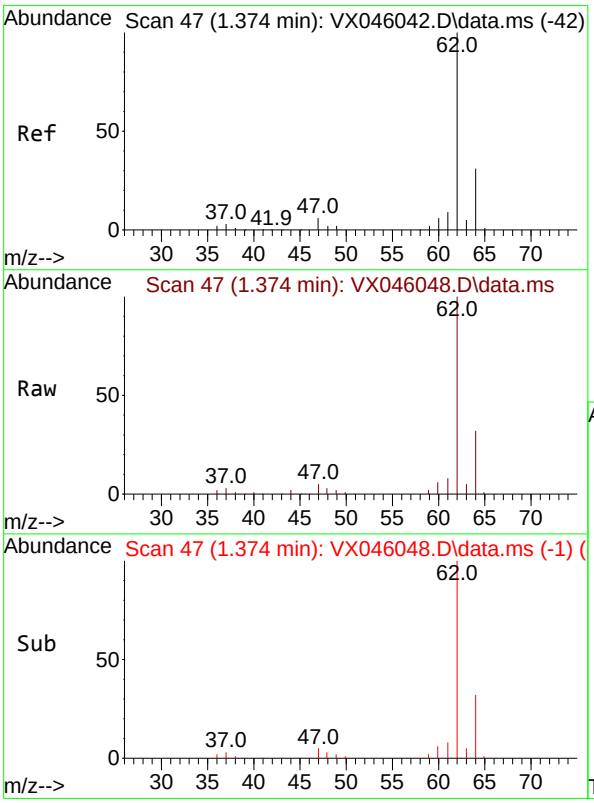

#3
Chloromethane
Concen: 52.592 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 50 Resp: 72275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 25.4 | 38.2 |

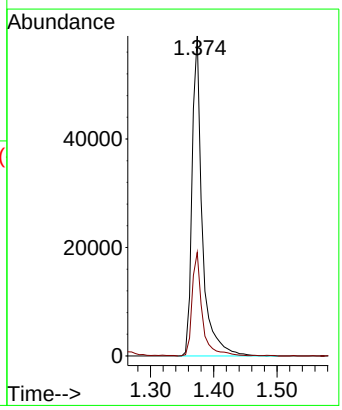


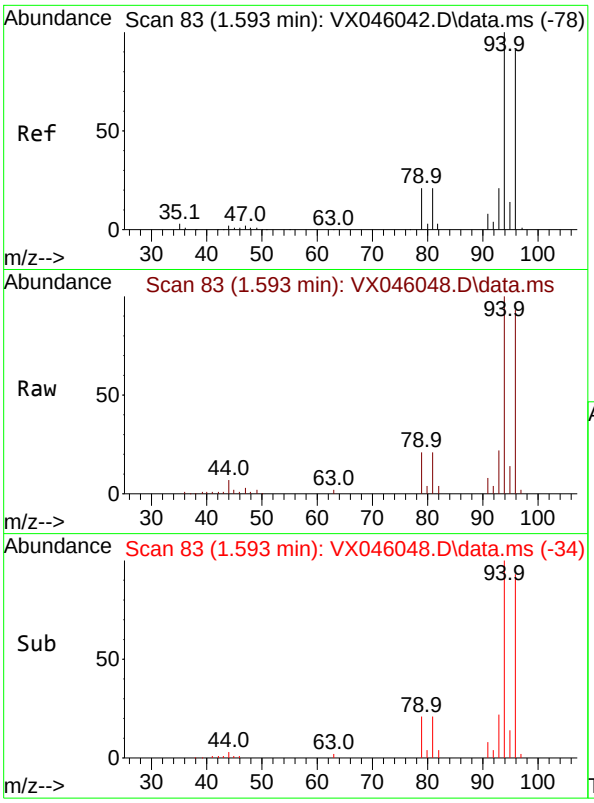




#4
Vinyl Chloride
Concen: 51.598 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 65994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.3 | 25.2 | 37.8 |



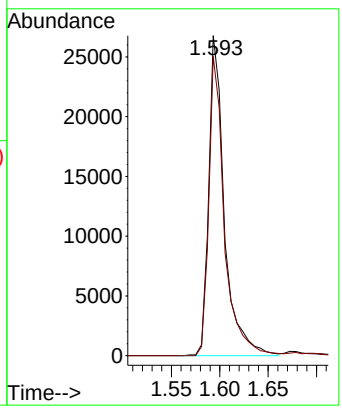


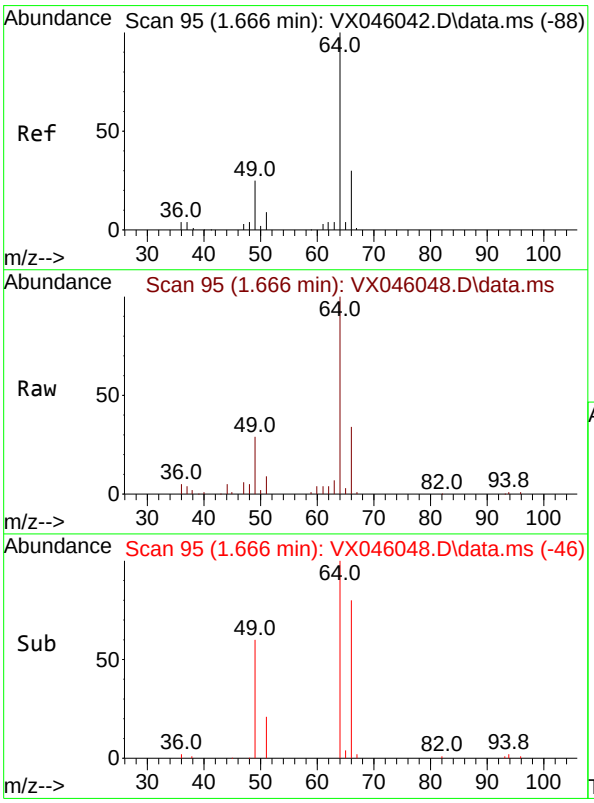

#5
Bromomethane
Concen: 50.627 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 94 Resp: 30033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.5 | 72.8 | 109.2 |

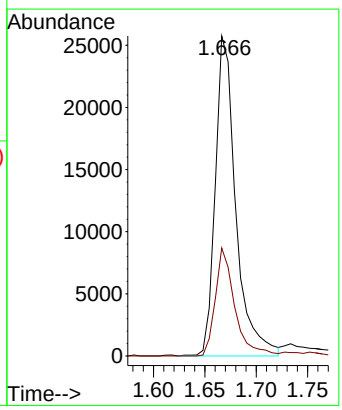


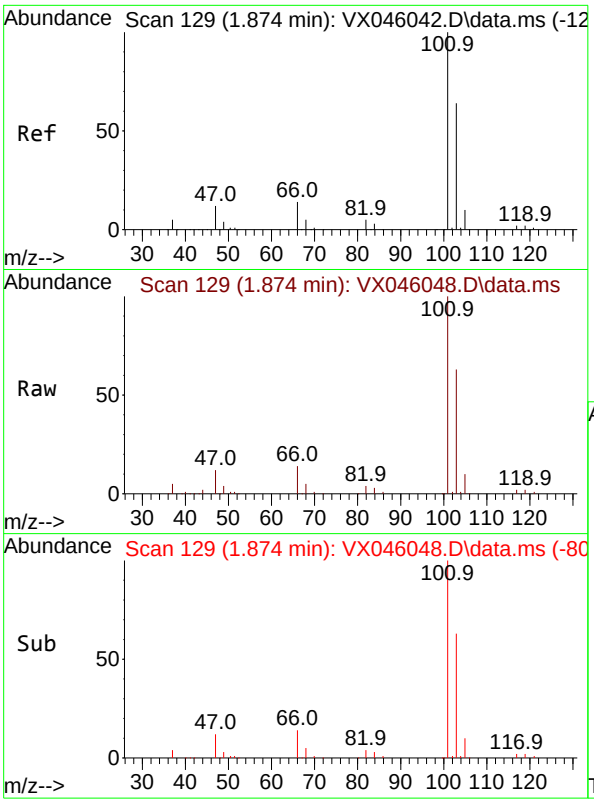




#6
Chloroethane
Concen: 52.271 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 64 Resp: 35690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.7 | 24.3 | 36.5 |



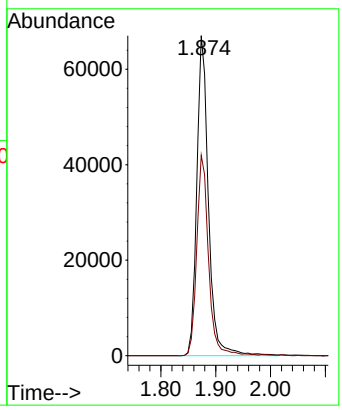


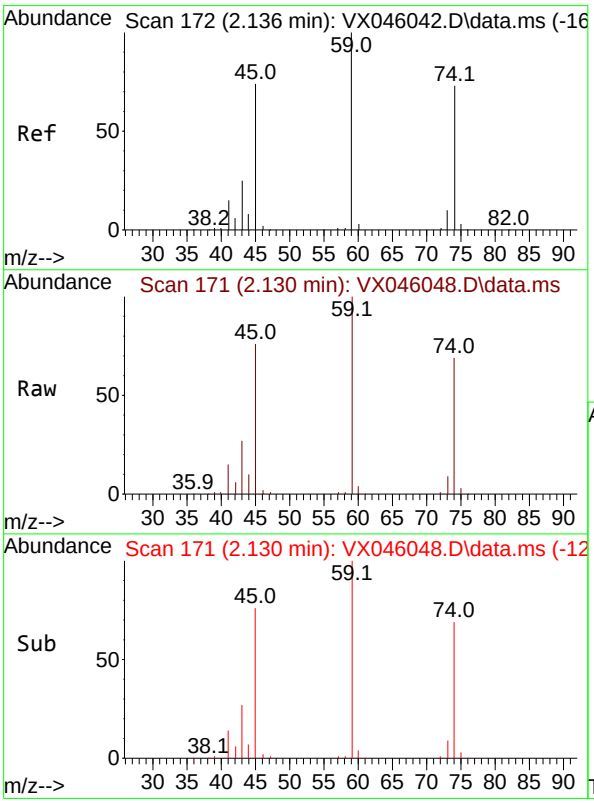

#7
Trichlorofluoromethane
Concen: 52.560 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:101 Resp: 99352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.6 | 51.0 | 76.4 |

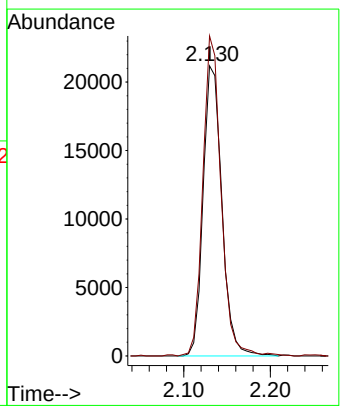


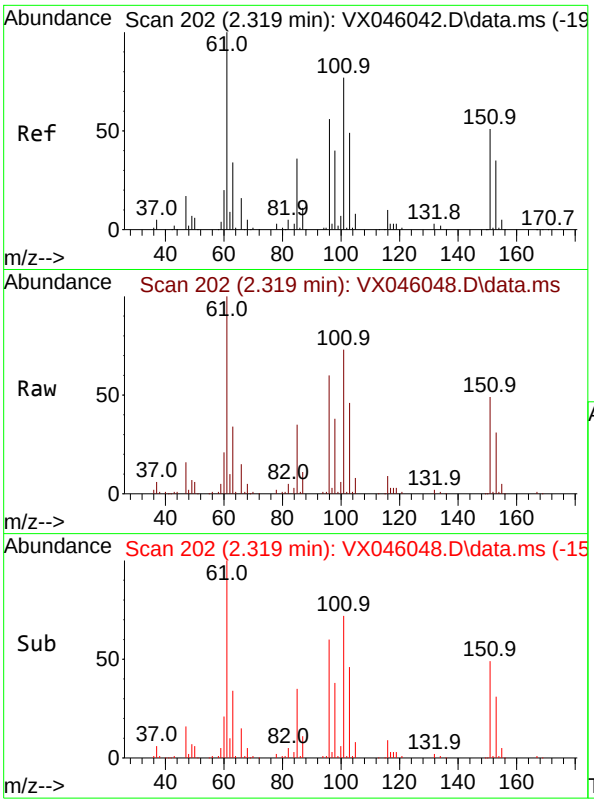




#8
Diethyl Ether
Concen: 49.536 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 74 Resp: 31875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 107.1 | 54.9 | 164.8 |



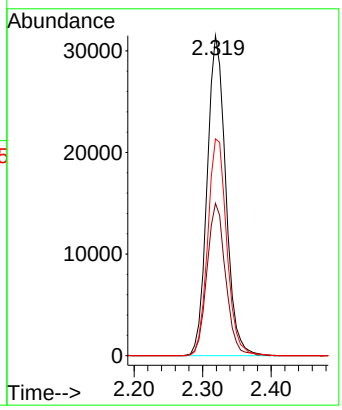


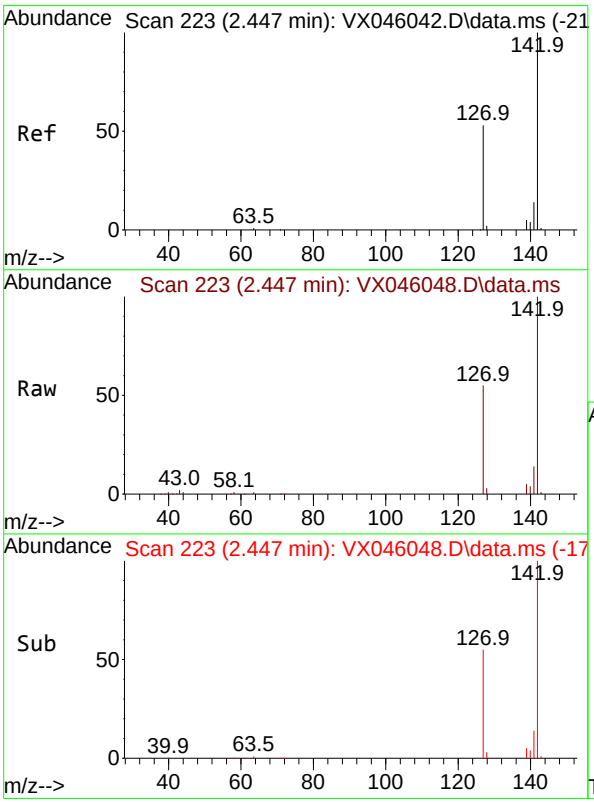

#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.822 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:101 Resp: 59451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.8 | 38.6 | 58.0 |
| 151 | 69.4 | 55.2 | 82.8 |

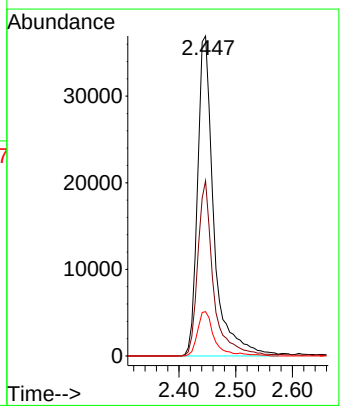


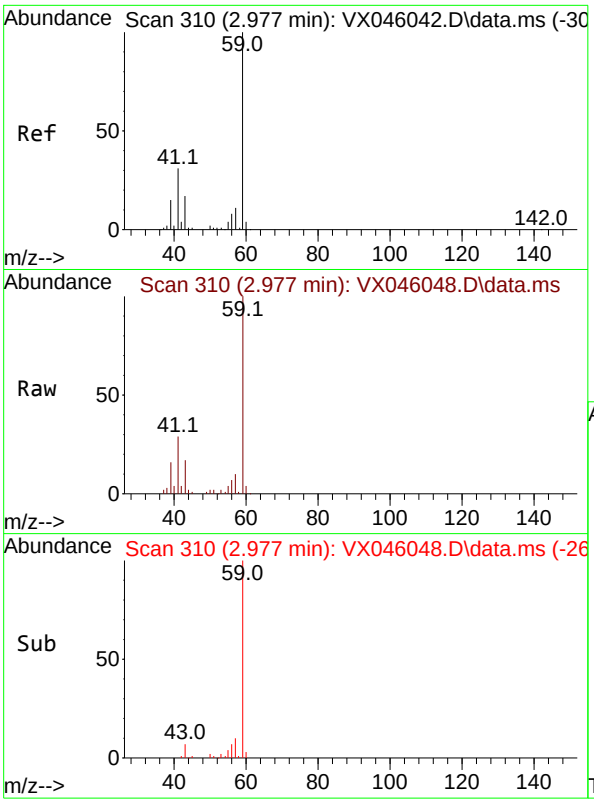




#10
Methyl Iodide
Concen: 53.419 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:142 Resp: 73940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.9 | 41.7 | 62.5 |
| 141 | 14.4 | 11.5 | 17.3 |



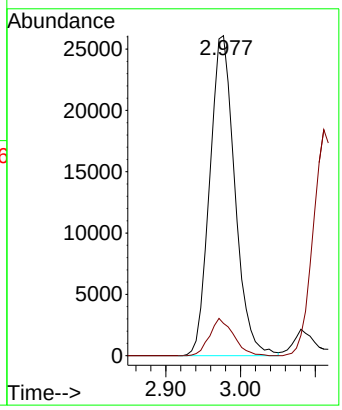


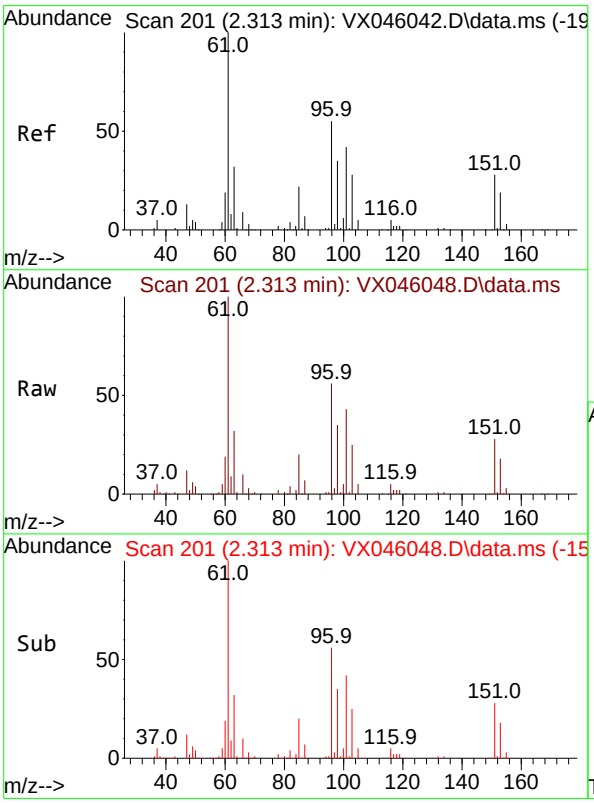

#11
Tert butyl alcohol
Concen: 252.025 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 59 Resp: 61065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.1 | 8.6 | 12.8 |

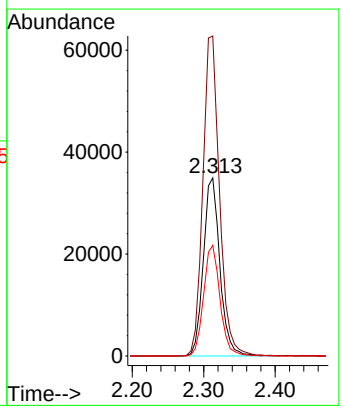


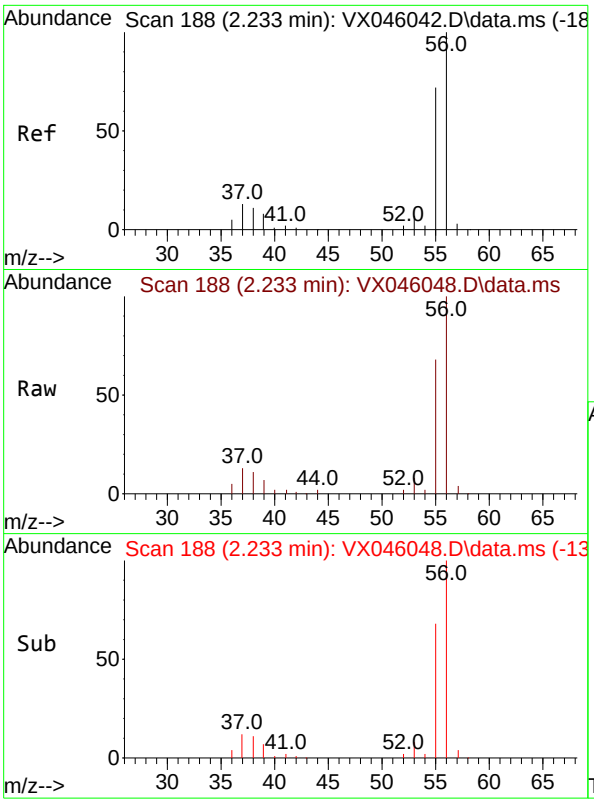




#12
1,1-Dichloroethene
Concen: 51.097 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 96 Resp: 56097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 179.7 | 146.2 | 219.2 |
| 98 | 62.1 | 51.0 | 76.6 |



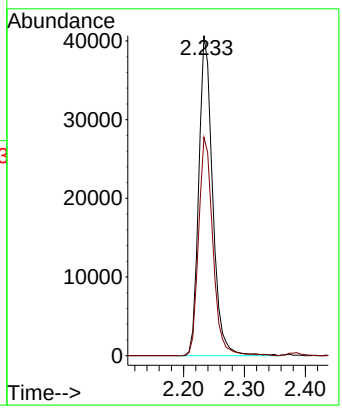


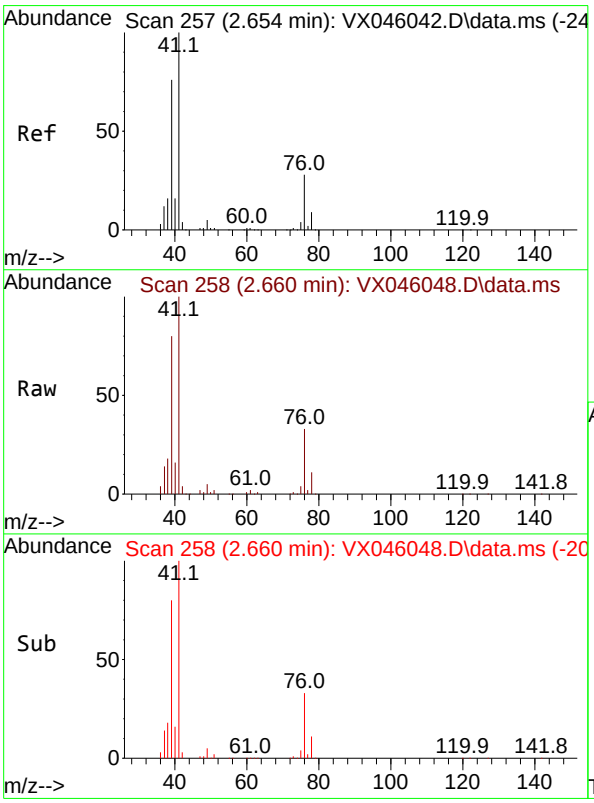

#13
Acrolein
Concen: 232.505 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 56 Resp: 64157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.8 | 56.2 | 84.4 |

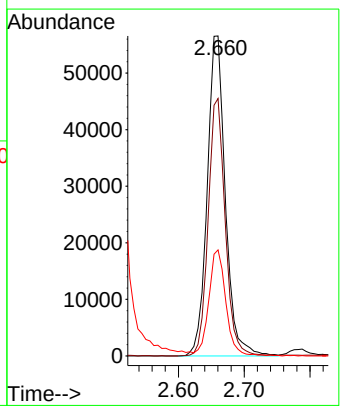


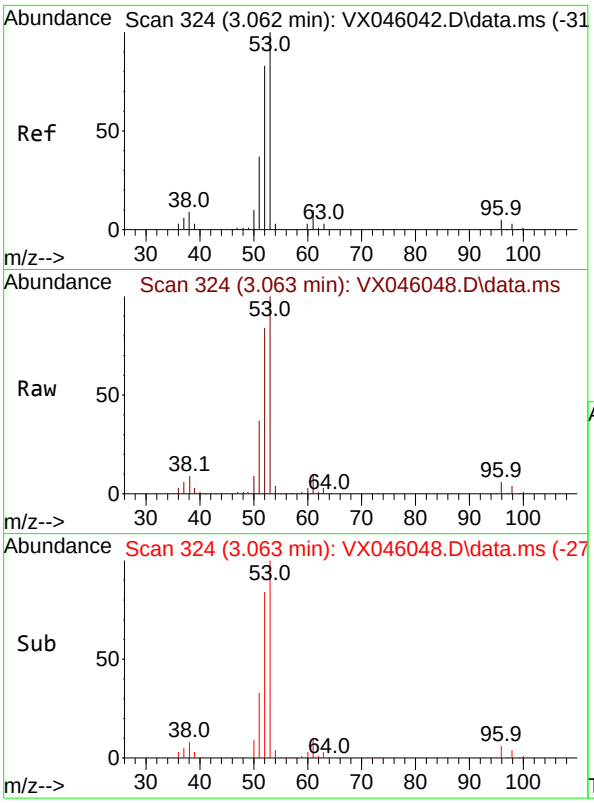




#14
Allyl chloride
Concen: 51.833 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 108757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.6 | 60.6 | 90.8 |
| 76 | 31.1 | 24.9 | 37.3 |



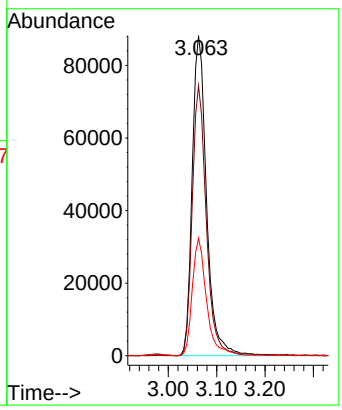


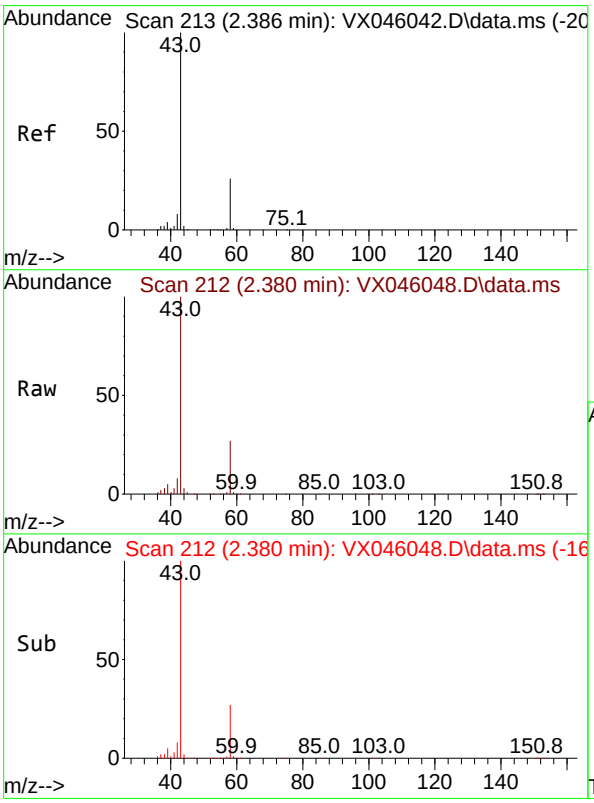

#15
Acrylonitrile
Concen: 262.412 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 53 Resp: 181808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.9 | 65.3 | 97.9 |
| 51 | 36.5 | 29.8 | 44.8 |

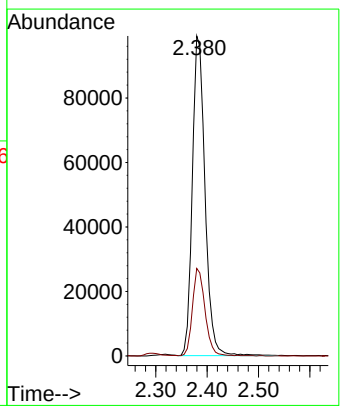


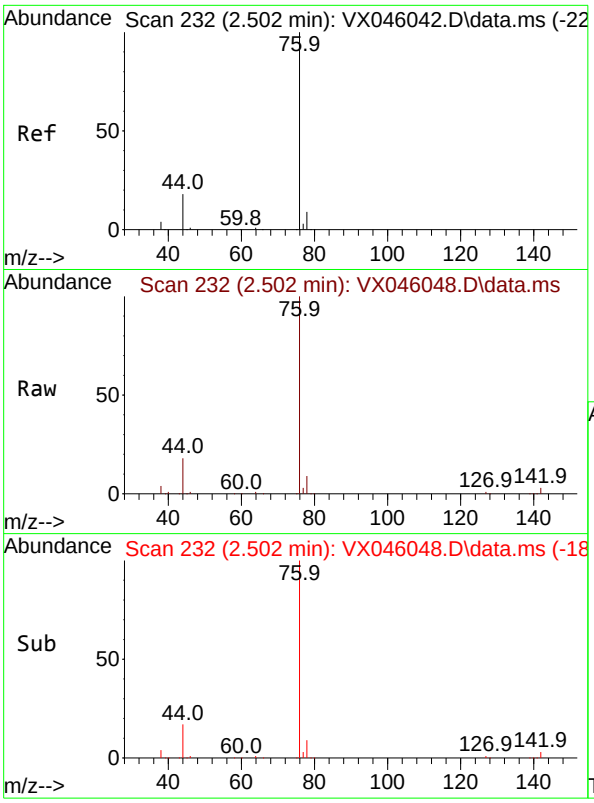




#16
Acetone
Concen: 245.518 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 169923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.3 | 21.2 | 31.8 |



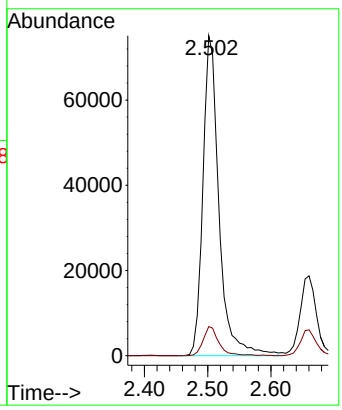


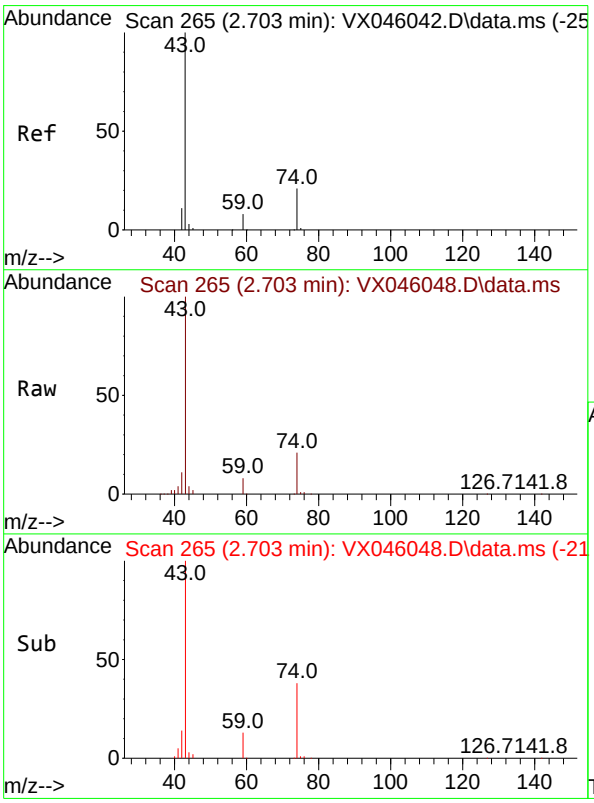

#17
Carbon Disulfide
Concen: 50.981 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 76 Resp: 132695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.0 | 10.4 |

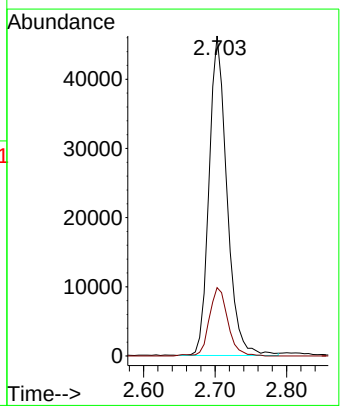


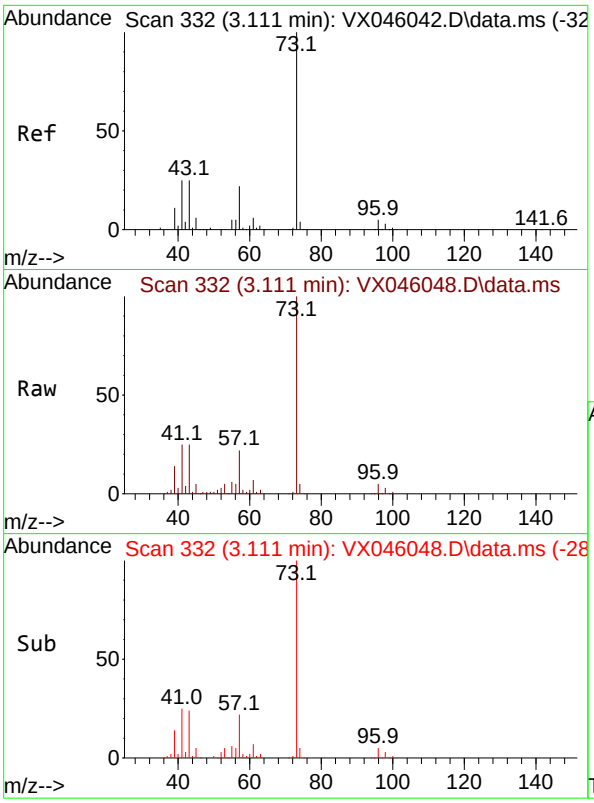




#18
Methyl Acetate
Concen: 49.968 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 80251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.1 | 16.7 | 25.1 |



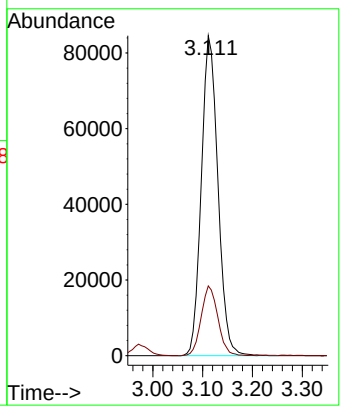


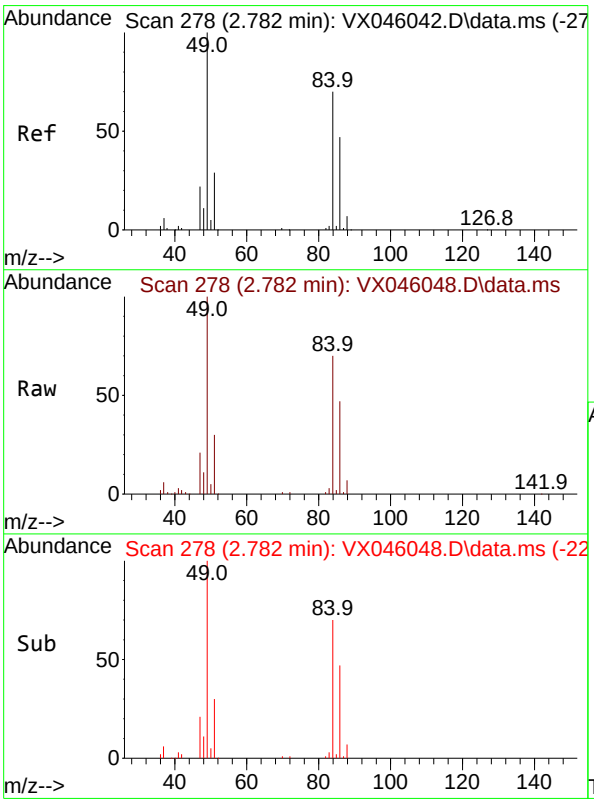

#19
Methyl tert-butyl Ether
Concen: 50.777 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 73 Resp: 195442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.8 | 17.7 | 26.5 |

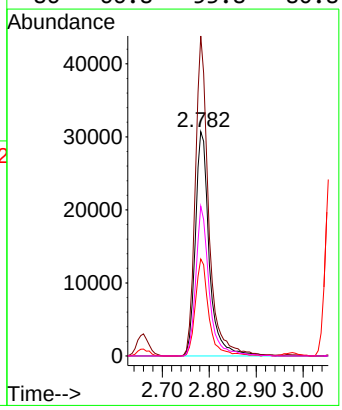


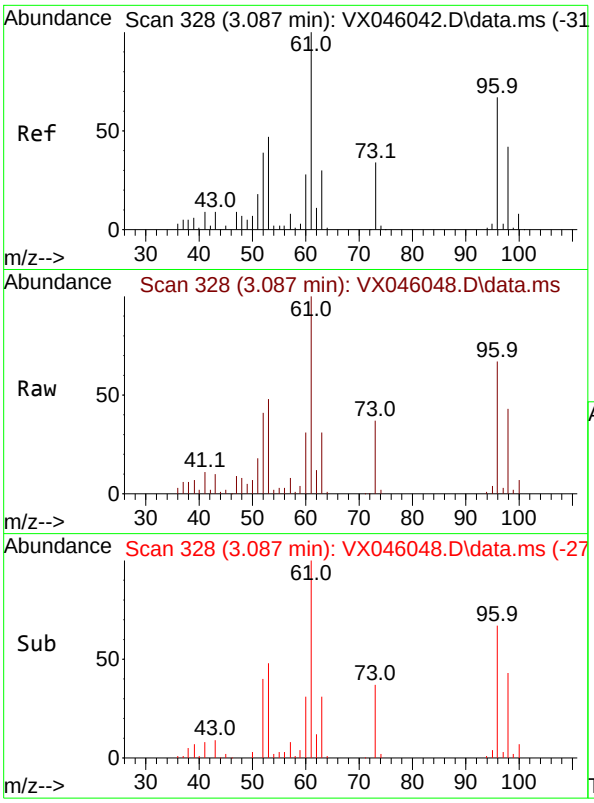




#20
Methylene Chloride
Concen: 47.779 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 84 Resp: 63369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 142.7 | 113.9 | 170.9 |
| 51 | 43.3 | 33.5 | 50.3 |
| 86 | 66.8 | 53.8 | 80.8 |



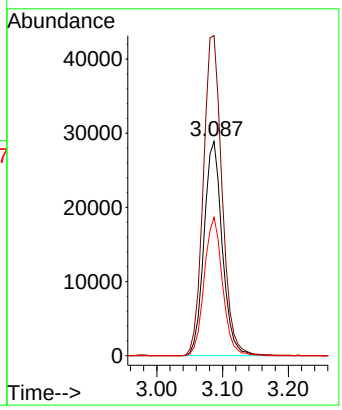


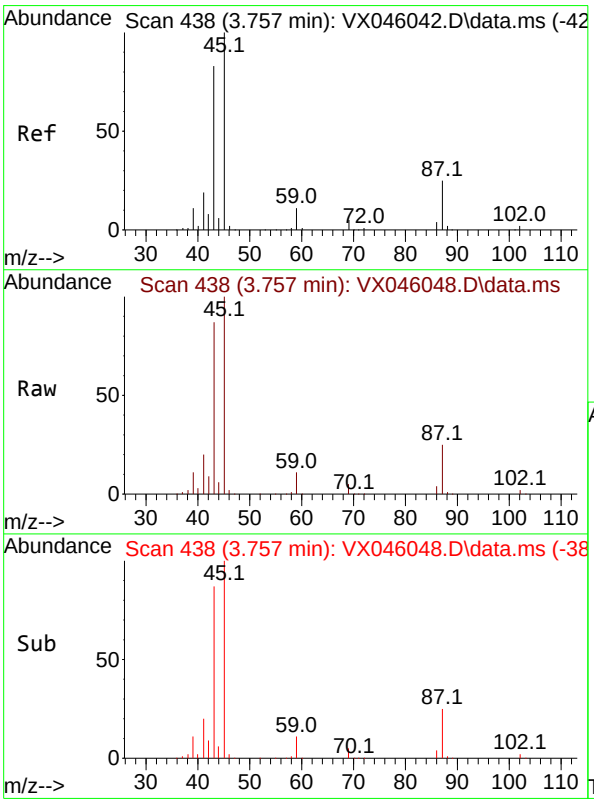

#21
trans-1,2-Dichloroethene
Concen: 50.513 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 96 Resp: 55770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.3 | 119.5 | 179.3 |
| 98 | 64.6 | 50.0 | 75.0 |

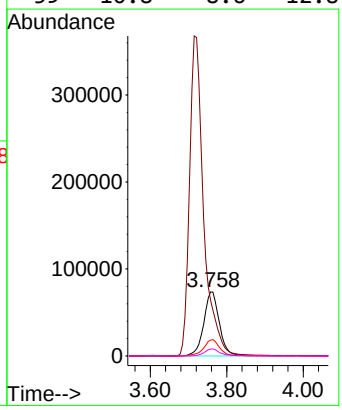


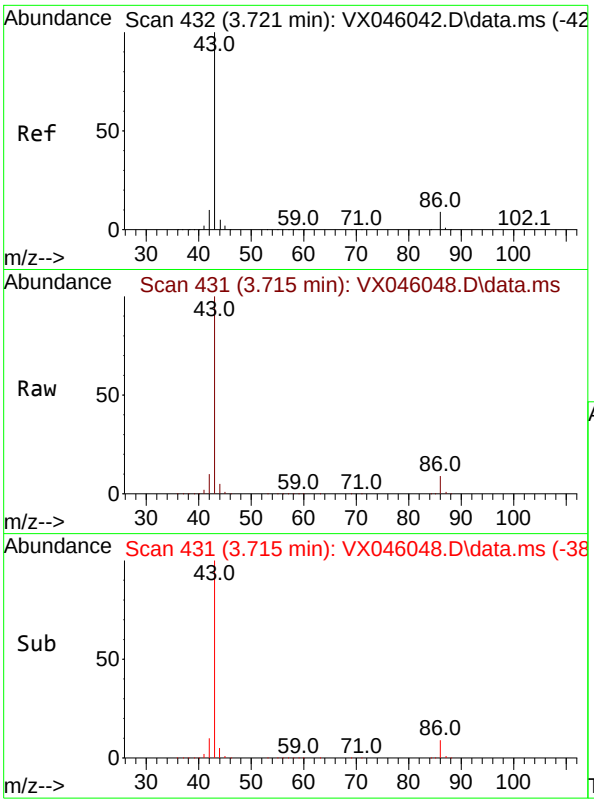




#22
Diisopropyl ether
Concen: 51.800 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 45 Resp: 209946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 86.9 | 66.6 | 100.0 |
| 87 | 24.8 | 19.8 | 29.6 |
| 59 | 10.8 | 8.6 | 12.8 |



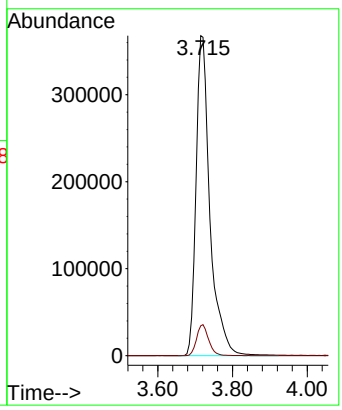


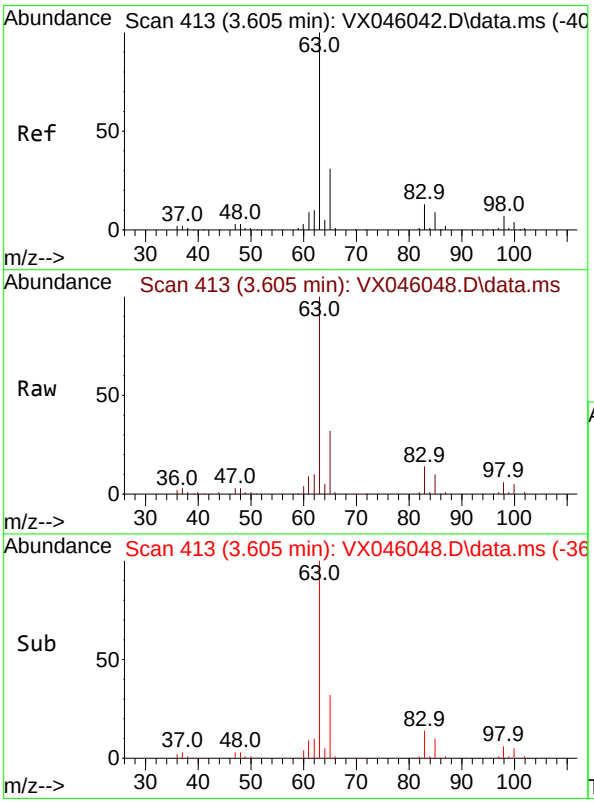

#23
Vinyl Acetate
Concen: 265.585 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 43 Resp: 946746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.4 | 7.5 | 11.3 |

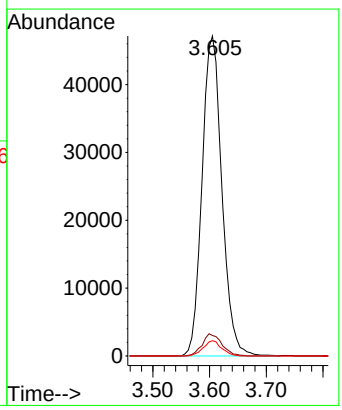


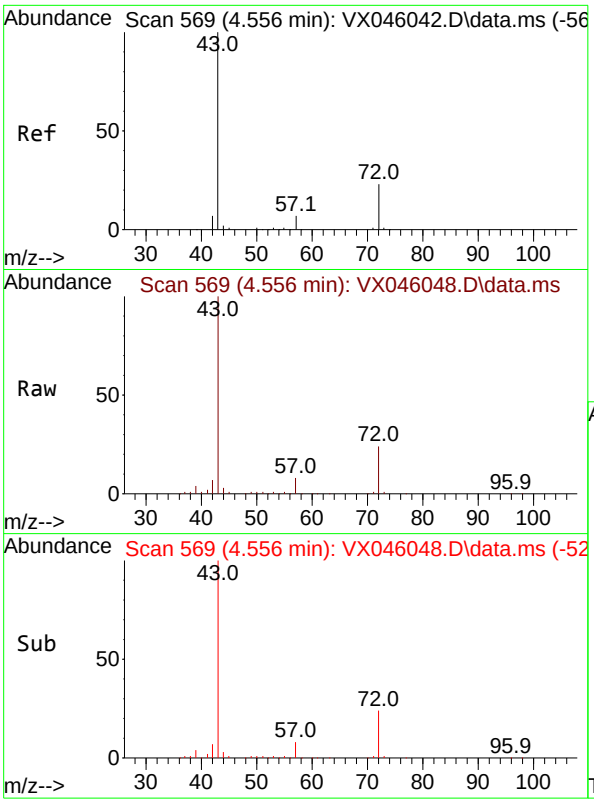




#24
1,1-Dichloroethane
Concen: 50.825 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 114733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.4 | 3.6 | 10.8 |
| 100 | 4.8 | 2.1 | 6.3 |



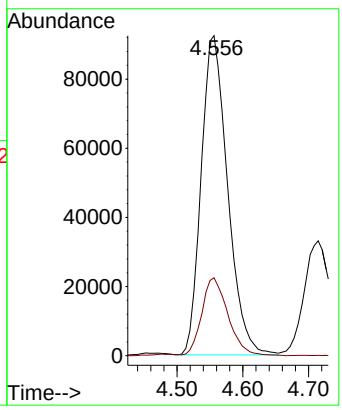


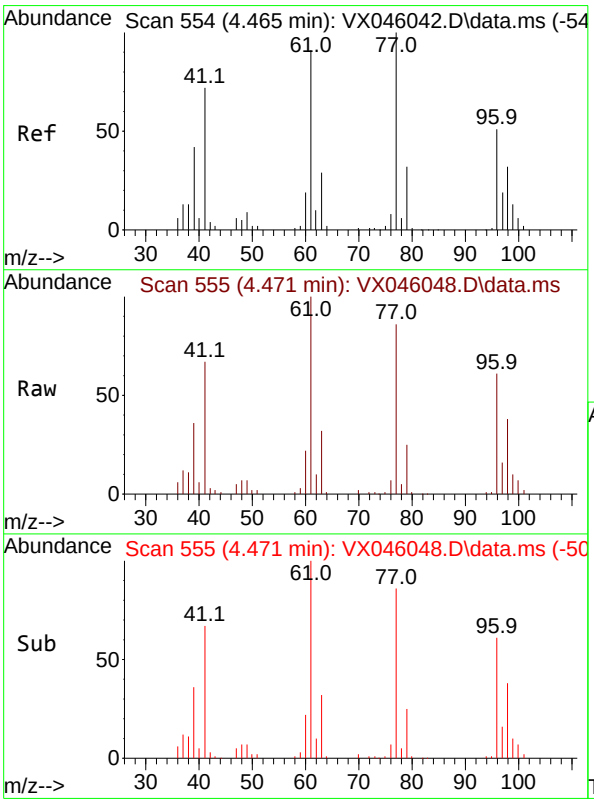

#25
2-Butanone
Concen: 257.110 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 43 Resp: 258339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.3 | 18.4 | 27.6 |

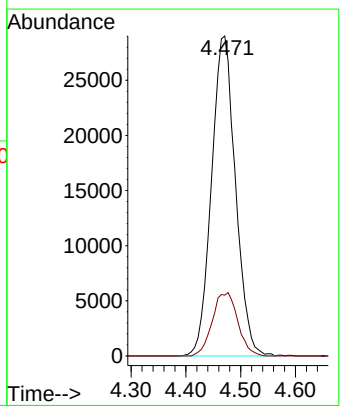


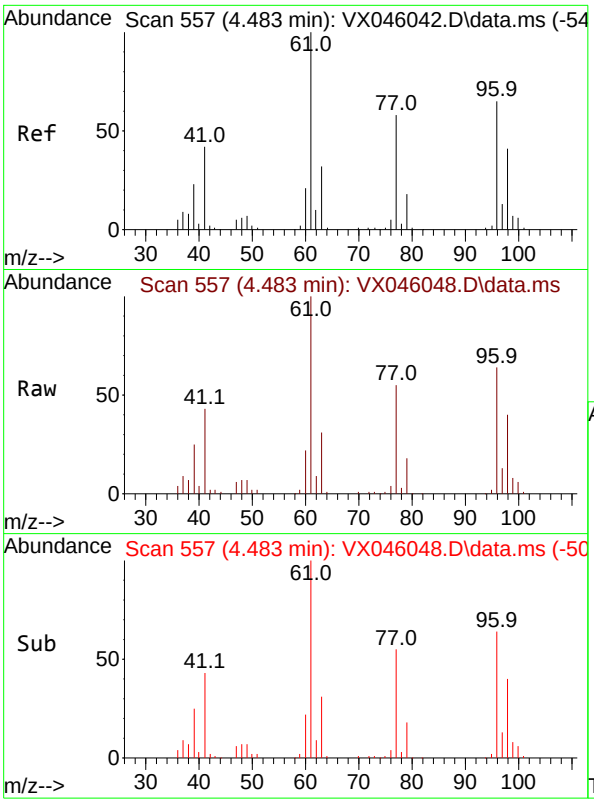




#26
2,2-Dichloropropane
Concen: 49.934 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 77 Resp: 88229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.0 | 10.5 | 31.5 |



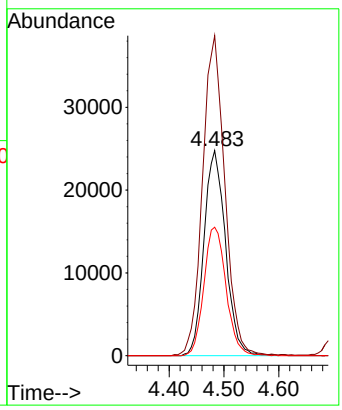


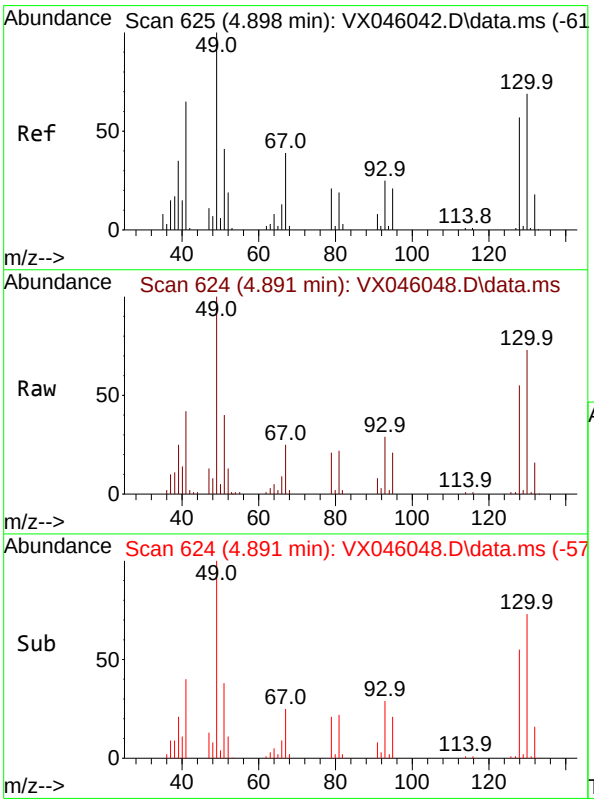

#27
cis-1,2-Dichloroethene
Concen: 50.956 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 96 Resp: 67727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.7 | 0.0 | 322.8 |
| 98 | 64.4 | 0.0 | 129.0 |

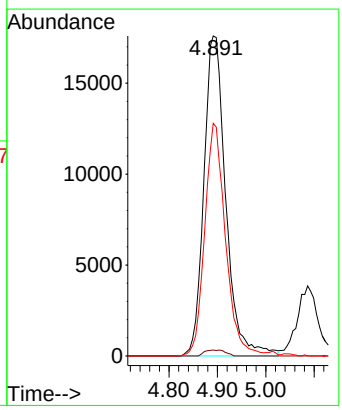


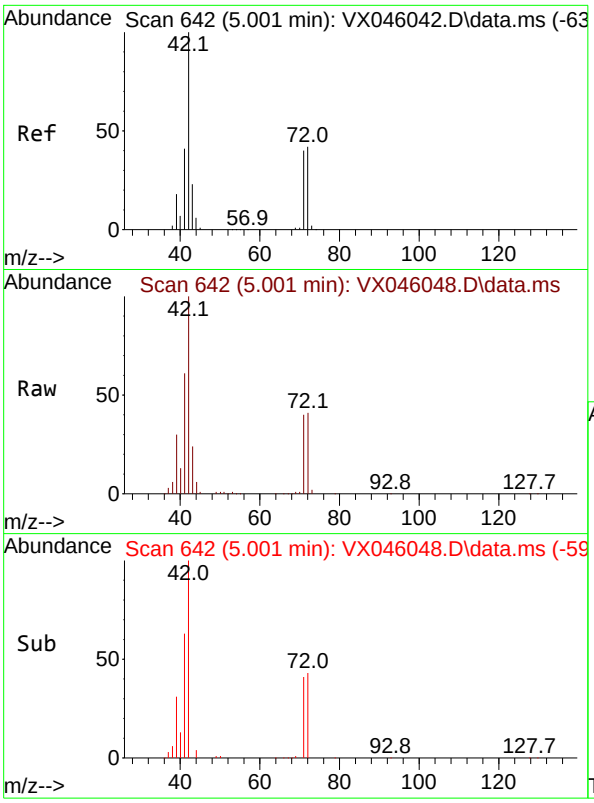




#28
Bromochloromethane
Concen: 50.975 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 49 Resp: 55390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 4.0 |
| 130 | 68.7 | 56.2 | 84.2 |



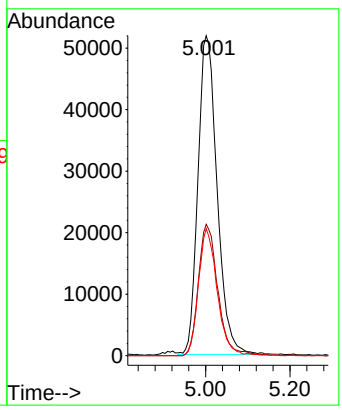


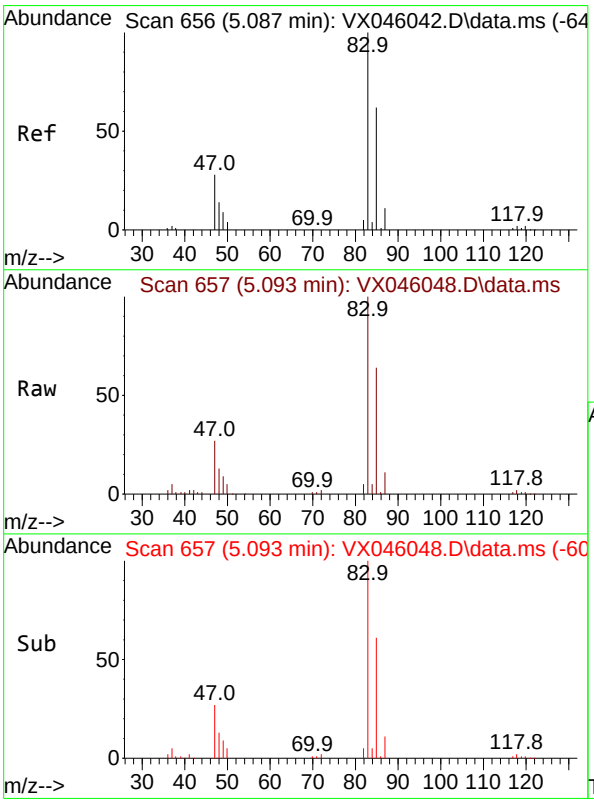

#29
Tetrahydrofuran
Concen: 259.958 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 42 Resp: 163675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.0 | 33.7 | 50.5 |
| 71 | 38.5 | 31.4 | 47.2 |

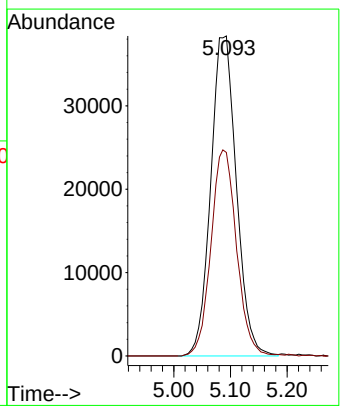


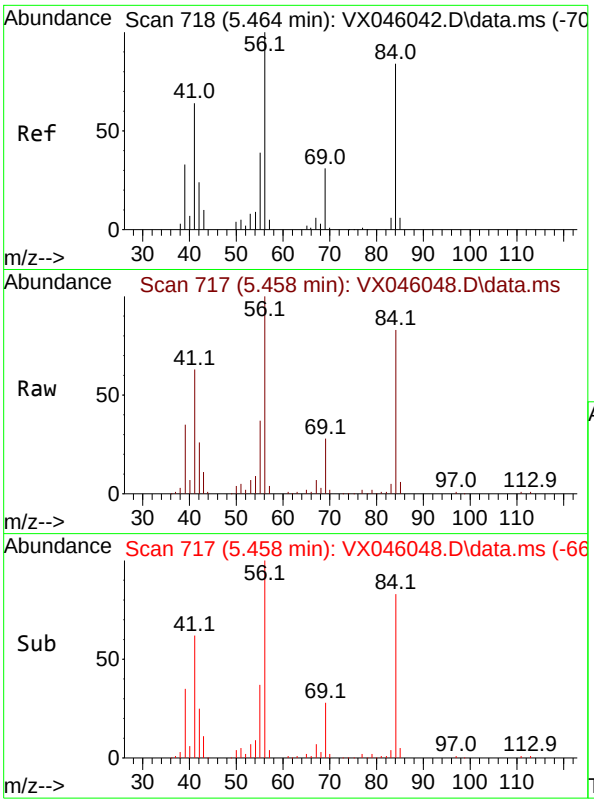




#30
Chloroform
Concen: 51.332 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 120782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.6 | 49.3 | 73.9 |



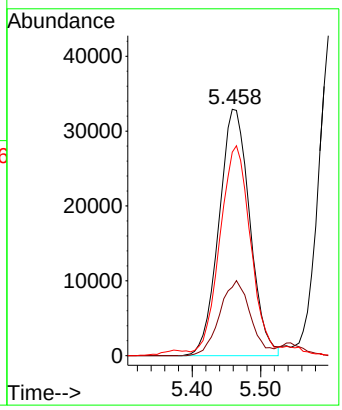


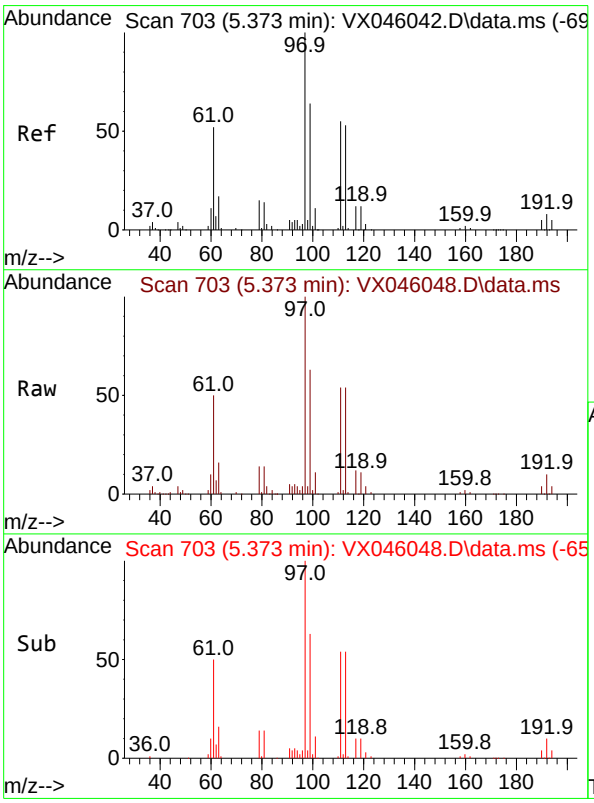

#31
Cyclohexane
Concen: 50.147 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 56 Resp: 103158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.8 | 24.4 | 36.6 |
| 84 | 80.5 | 66.9 | 100.3 |

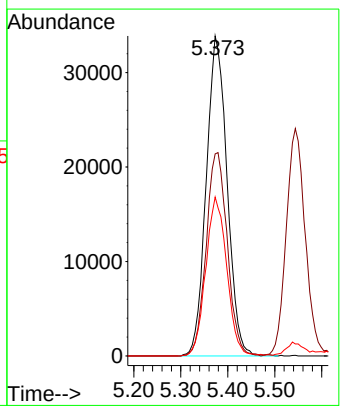


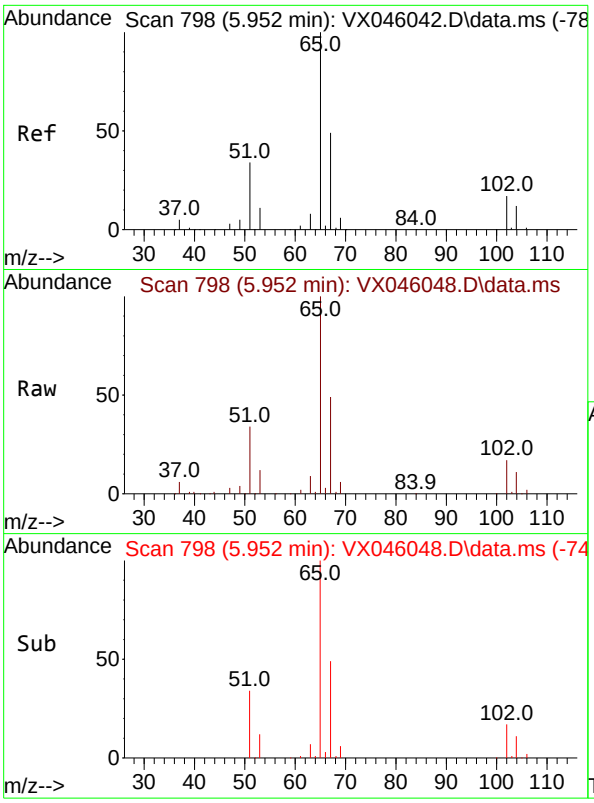




#32
1,1,1-Trichloroethane
Concen: 51.108 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 97 Resp: 104243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 51.8 | 77.6 |
| 61 | 50.2 | 40.1 | 60.1 |



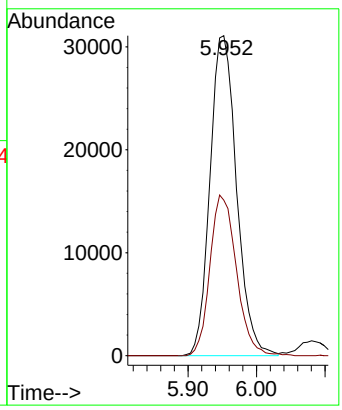


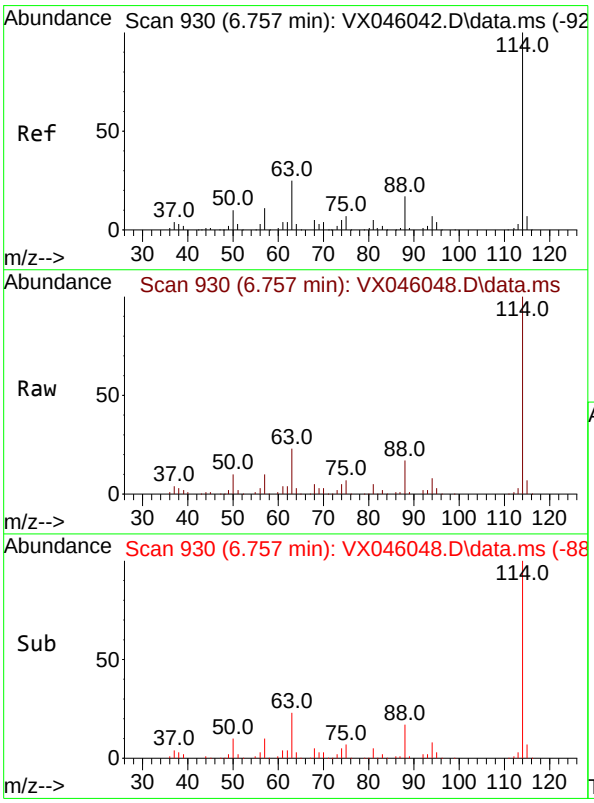

#33
1,2-Dichloroethane-d4
Concen: 48.509 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 65 Resp: 83733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.0 | 0.0 | 99.0 |

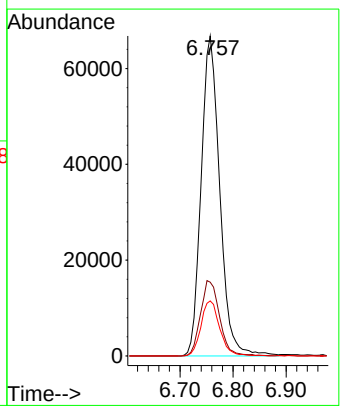


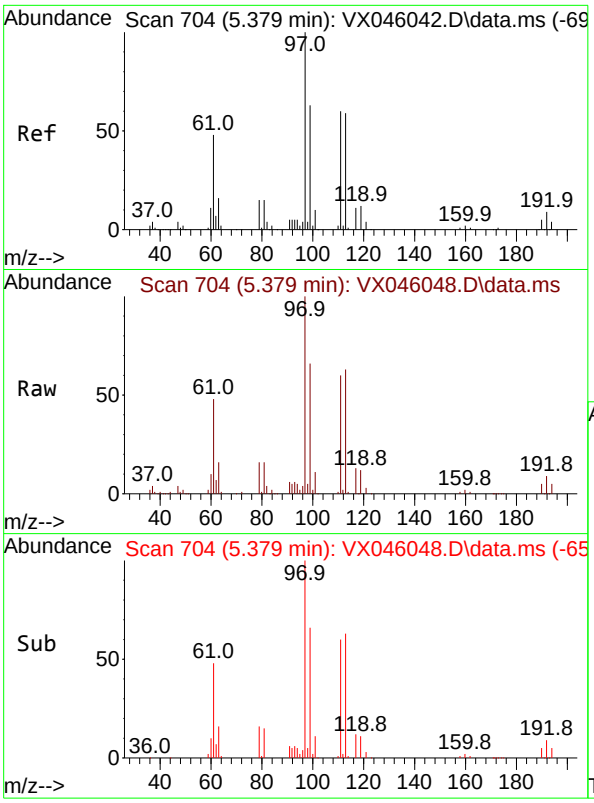




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:114 Resp: 162651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.1 | 0.0 | 49.2 |
| 88 | 17.2 | 0.0 | 33.6 |



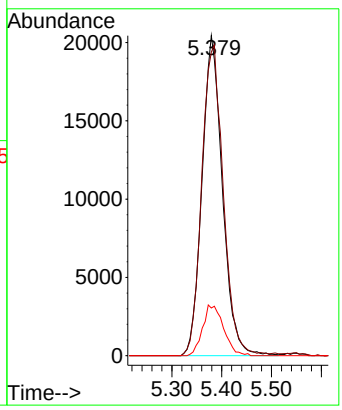


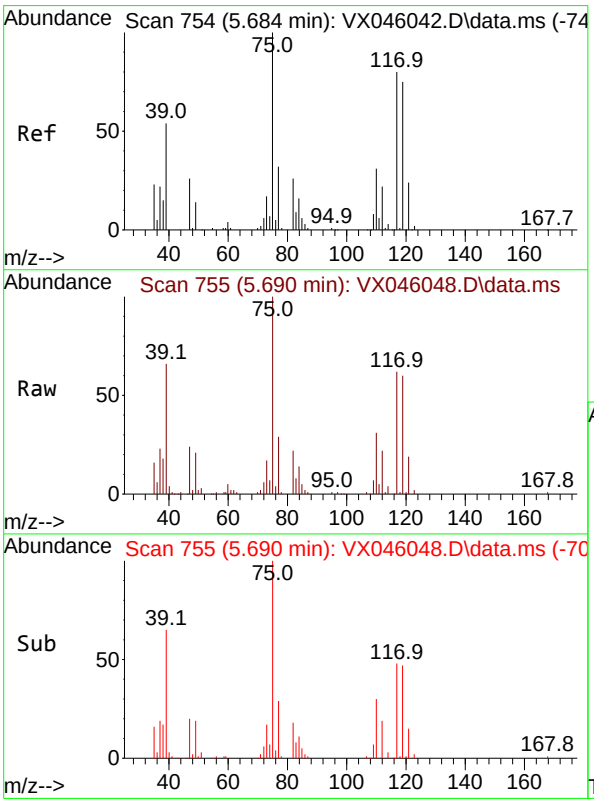

#35
Dibromofluoromethane
Concen: 49.683 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:113 Resp: 58192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.1 | 83.1 | 124.7 |
| 192 | 16.2 | 13.3 | 19.9 |

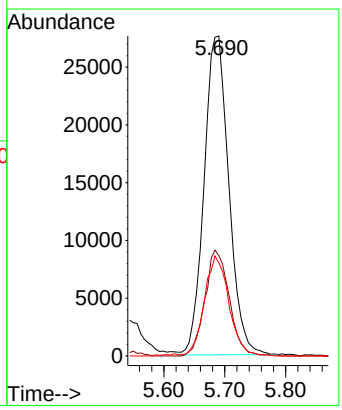


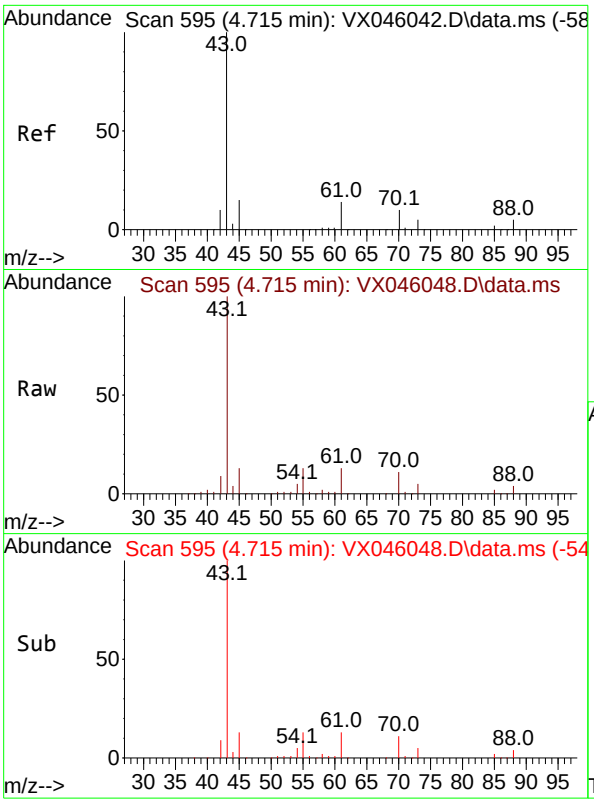




#36
1,1-Dichloropropene
Concen: 49.521 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 77931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.7 | 16.3 | 48.9 |
| 77 | 31.1 | 24.3 | 36.5 |



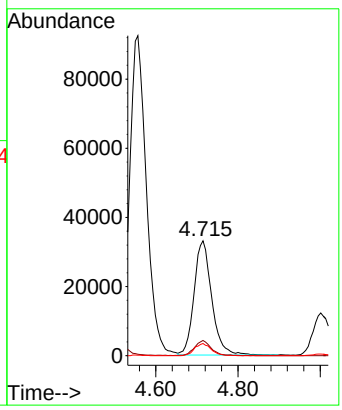


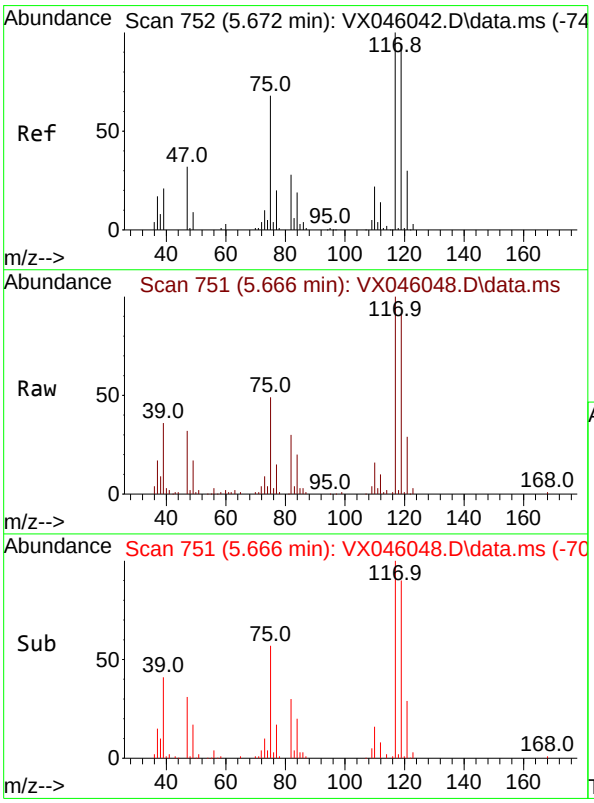

#37
Ethyl Acetate
Concen: 50.714 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 43 Resp: 98604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.6 | 10.3 | 15.5 |
| 70 | 10.0 | 7.9 | 11.9 |

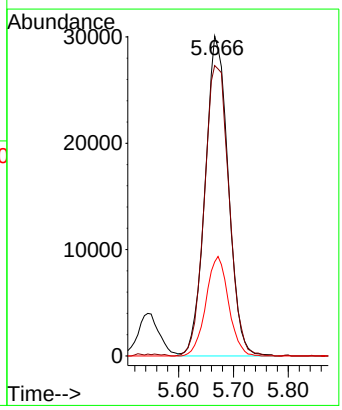


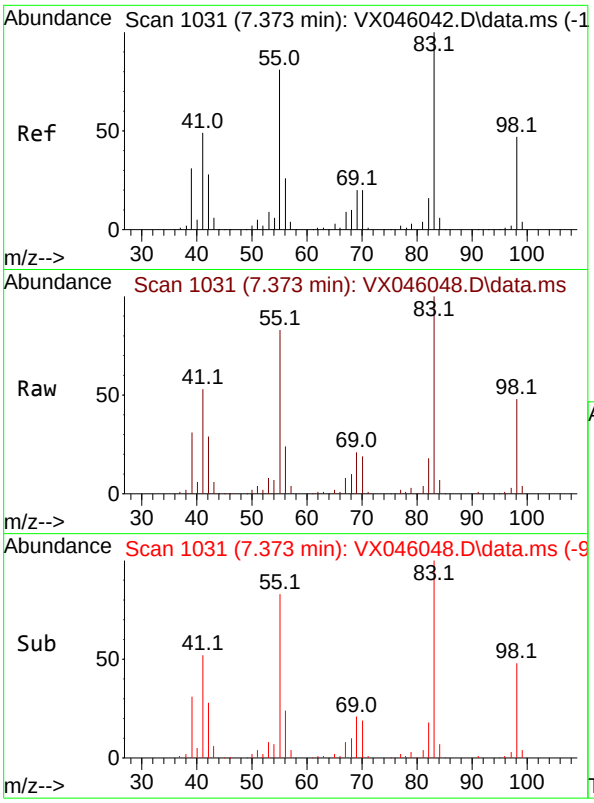




#38
Carbon Tetrachloride
Concen: 49.825 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 88100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.7 | 75.2 | 112.8 |
| 121 | 29.4 | 24.2 | 36.4 |



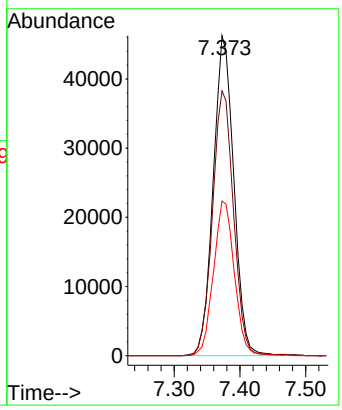


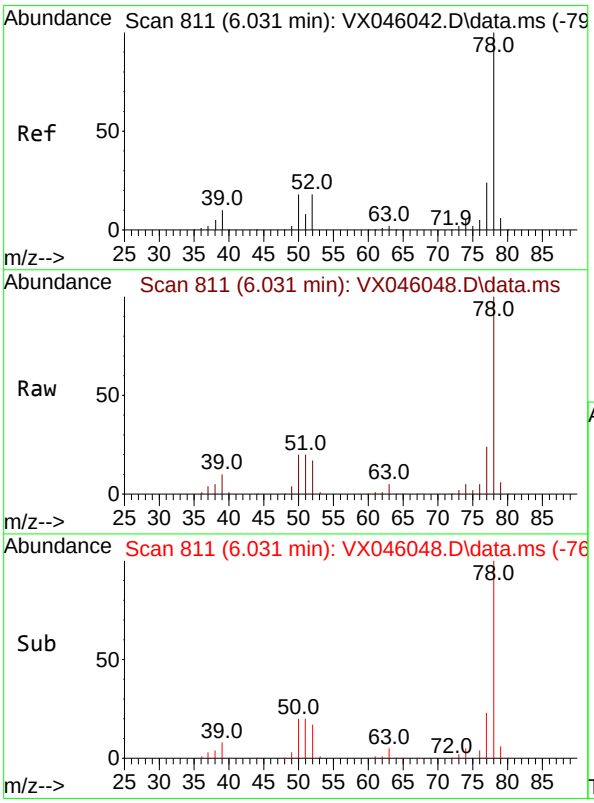

#39
Methylcyclohexane
Concen: 49.757 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 83 Resp: 100808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 82.7 | 64.7 | 97.1 |
| 98 | 48.3 | 37.4 | 56.2 |

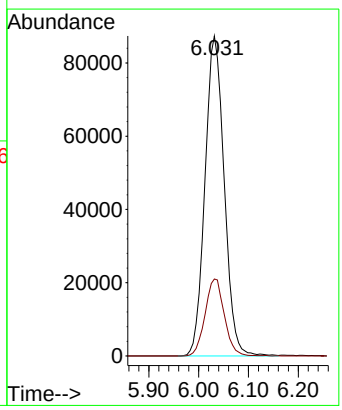


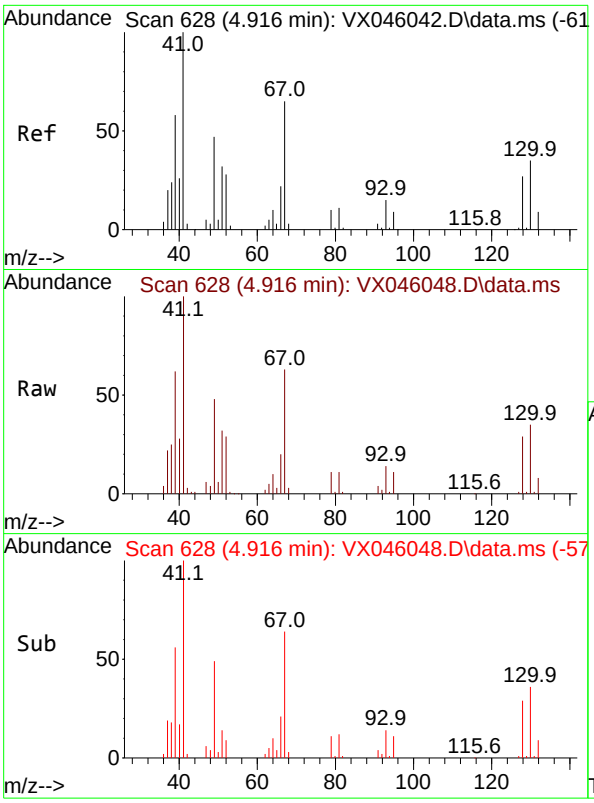




#40
Benzene
Concen: 50.759 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 78 Resp: 233977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.0 | 28.4 |



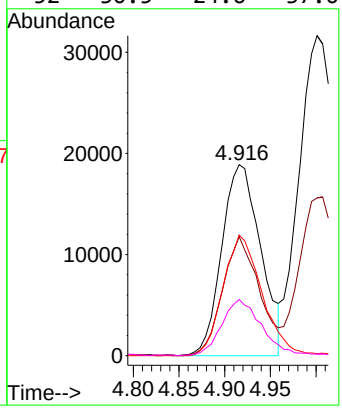


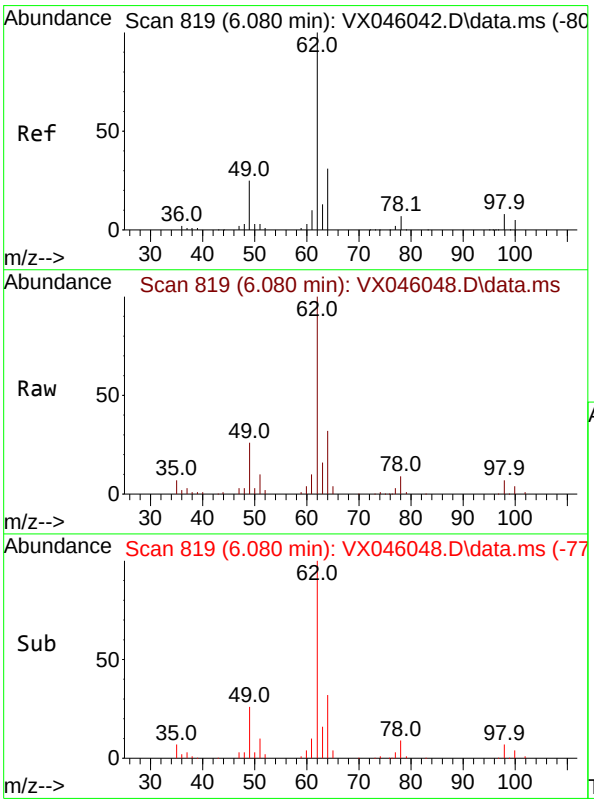

#41
Methacrylonitrile
Concen: 55.076 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 41 Resp: 56017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.7 | 47.2 | 70.8 |
| 67 | 63.7 | 50.7 | 76.1 |
| 52 | 30.5 | 24.6 | 37.0 |

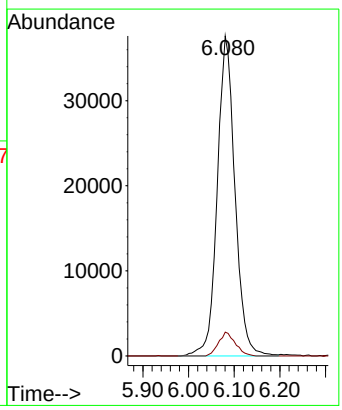


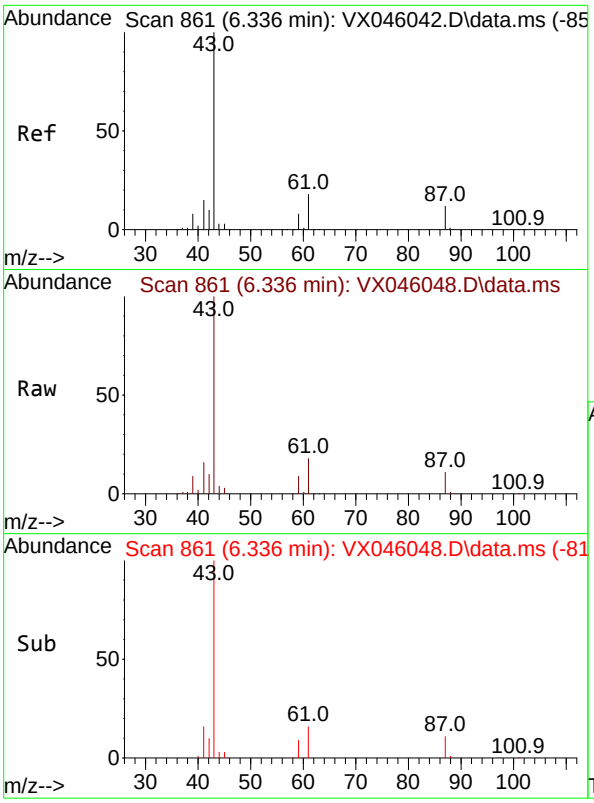




#42
1,2-Dichloroethane
Concen: 50.861 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 101185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.1 | 0.0 | 15.2 |



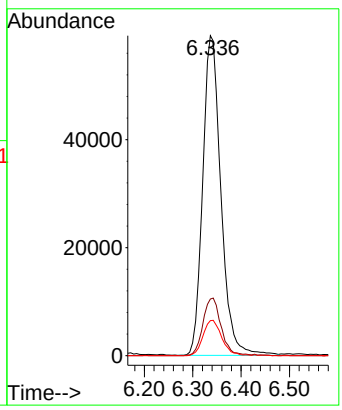


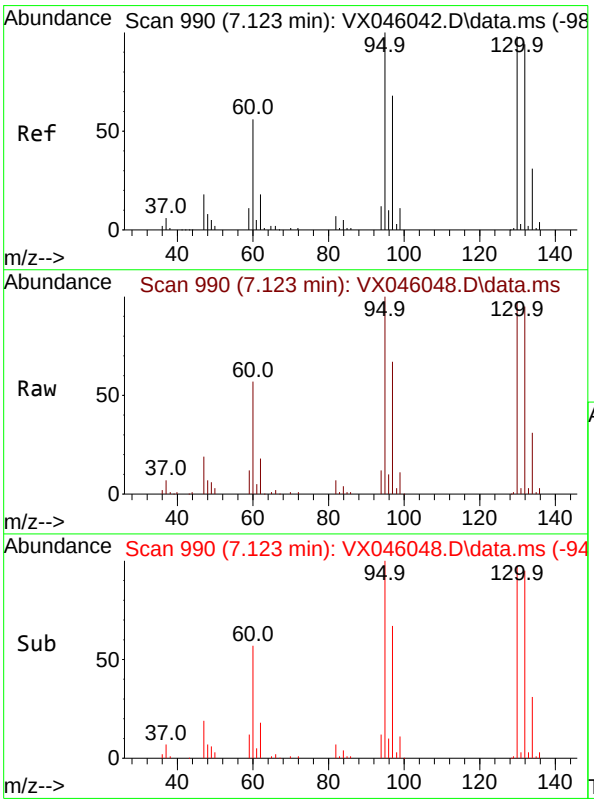

#43
Isopropyl Acetate
Concen: 52.195 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 43 Resp: 154818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.9 | 14.3 | 21.5 |
| 87 | 11.4 | 9.5 | 14.3 |

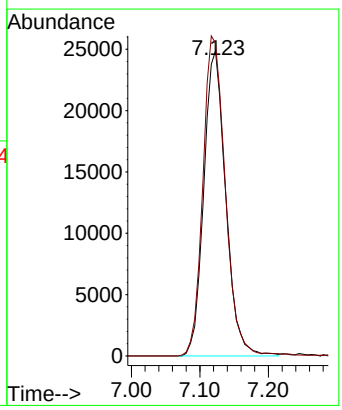


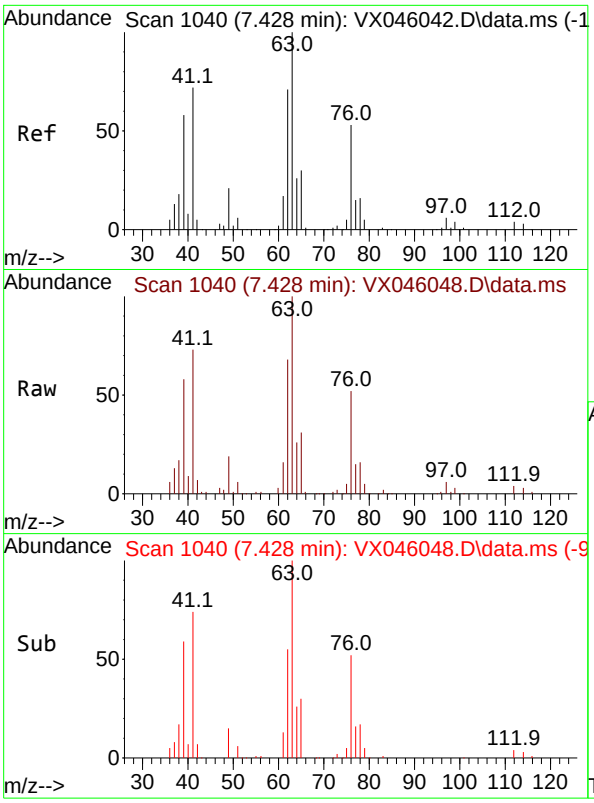




#44
Trichloroethene
Concen: 50.018 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:130 Resp: 55491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.6 | 0.0 | 204.2 |



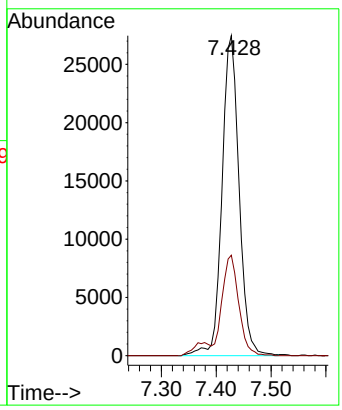


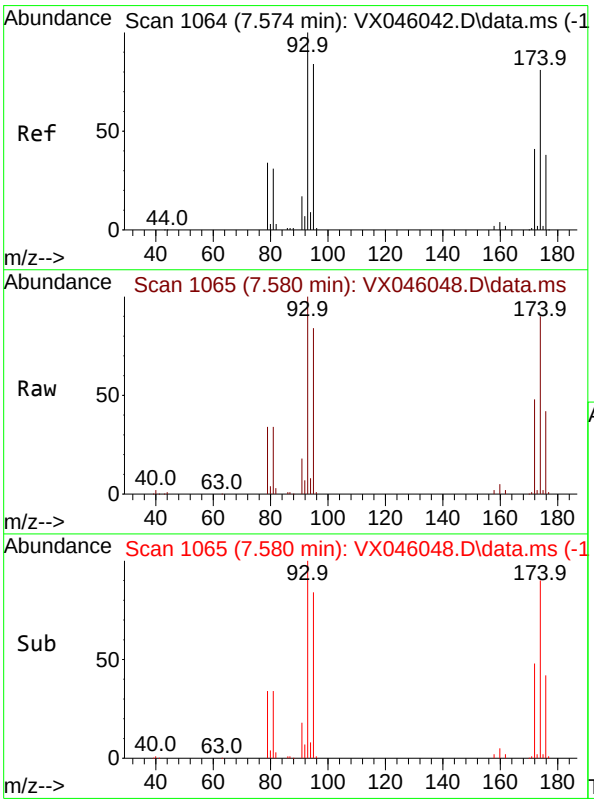

#45
1,2-Dichloropropane
Concen: 51.983 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 63 Resp: 59582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 24.1 | 36.1 |

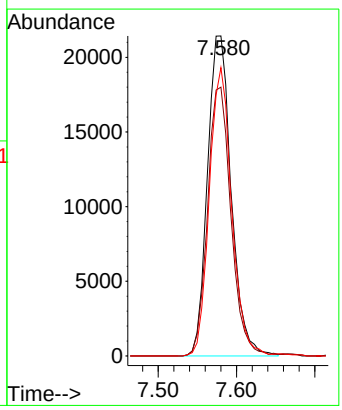


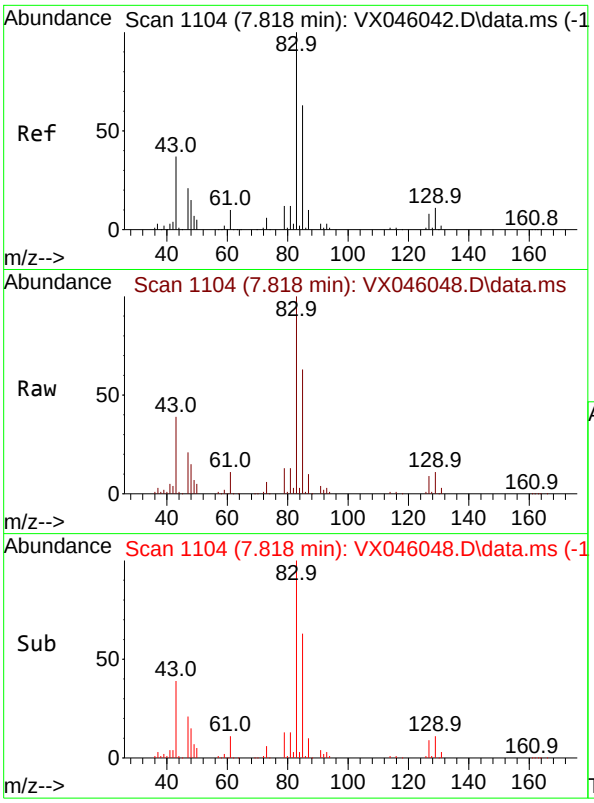




#46
Dibromomethane
Concen: 49.978 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 93 Resp: 45181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 65.6 | 98.4 |
| 174 | 84.8 | 68.2 | 102.2 |



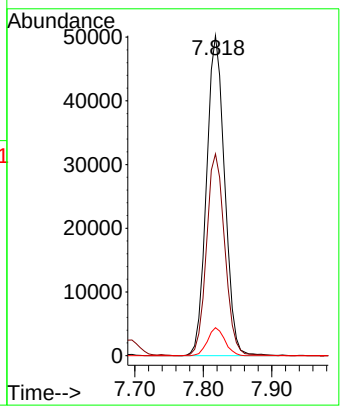


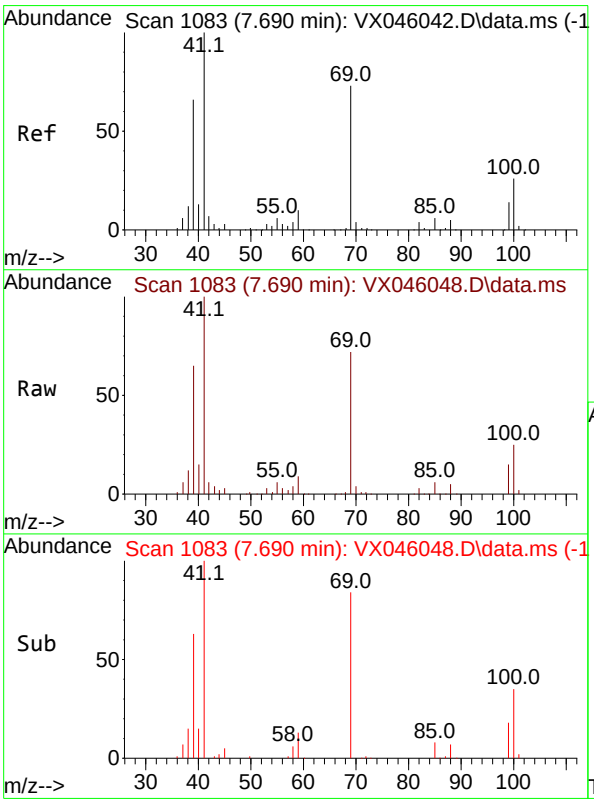

#47
Bromodichloromethane
Concen: 51.889 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 83 Resp: 92388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.0 | 50.5 | 75.7 |
| 127 | 8.8 | 6.5 | 9.7 |

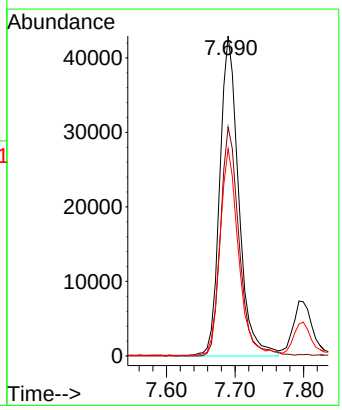


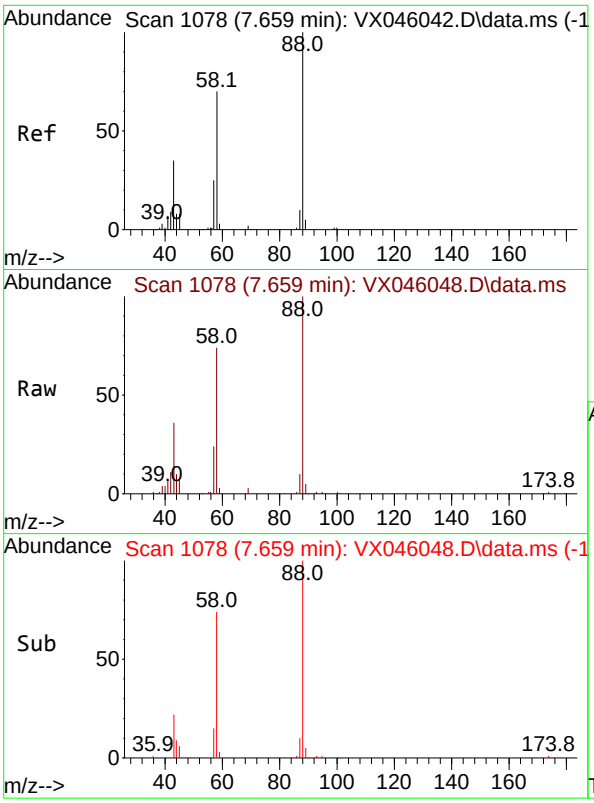




#48
Methyl methacrylate
Concen: 54.226 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 82144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 70.4 | 58.5 | 87.7 |
| 39 | 64.2 | 51.7 | 77.5 |



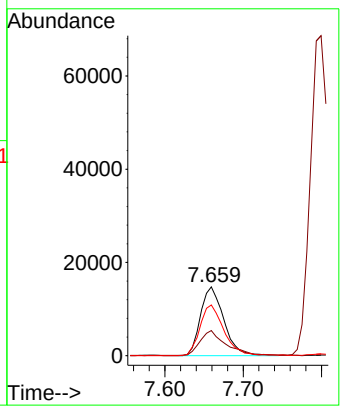


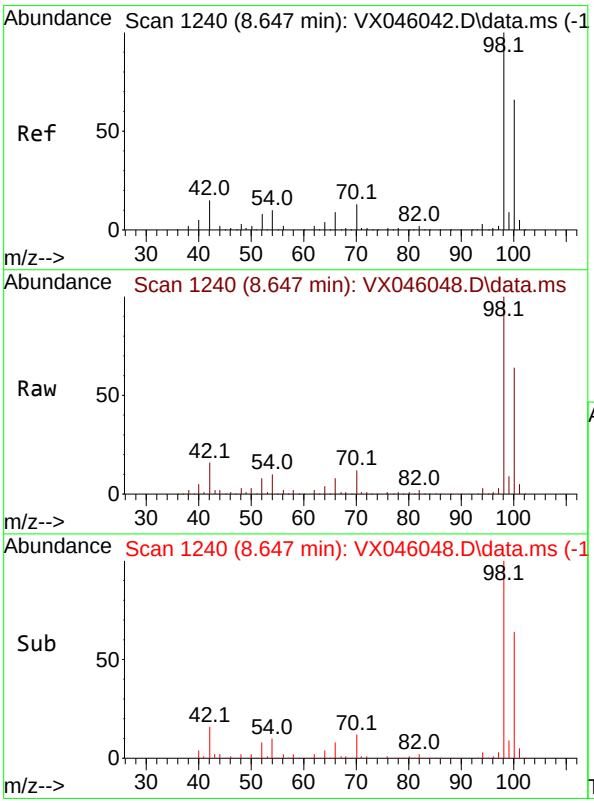

#49
1,4-Dioxane
Concen: 1059.599 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 88 Resp: 30477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.9 | 33.4 | 50.2 |
| 58 | 76.2 | 58.6 | 88.0 |

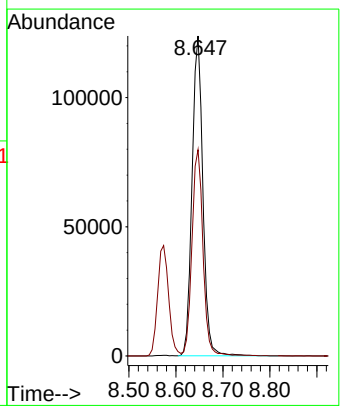


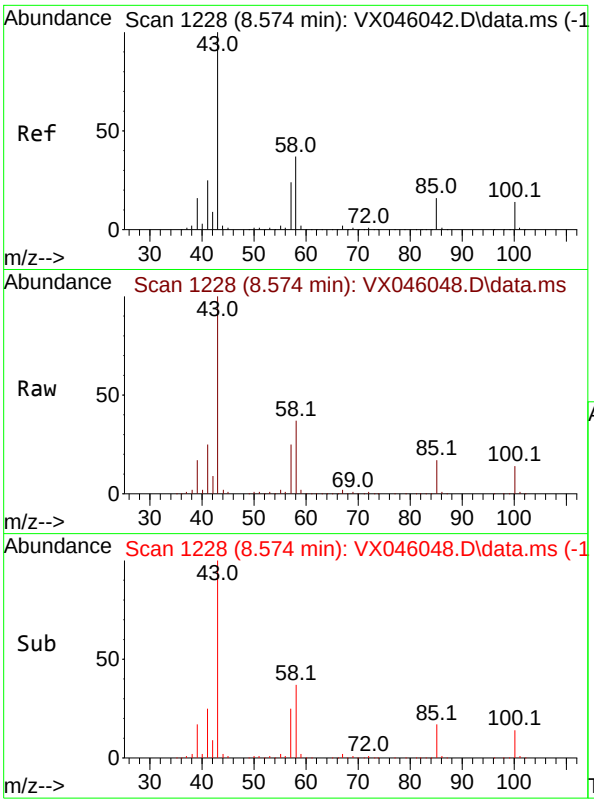




#50
Toluene-d8
Concen: 48.984 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 98 Resp: 198575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.6 | 53.5 | 80.3 |



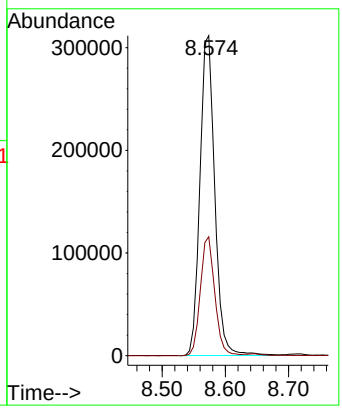


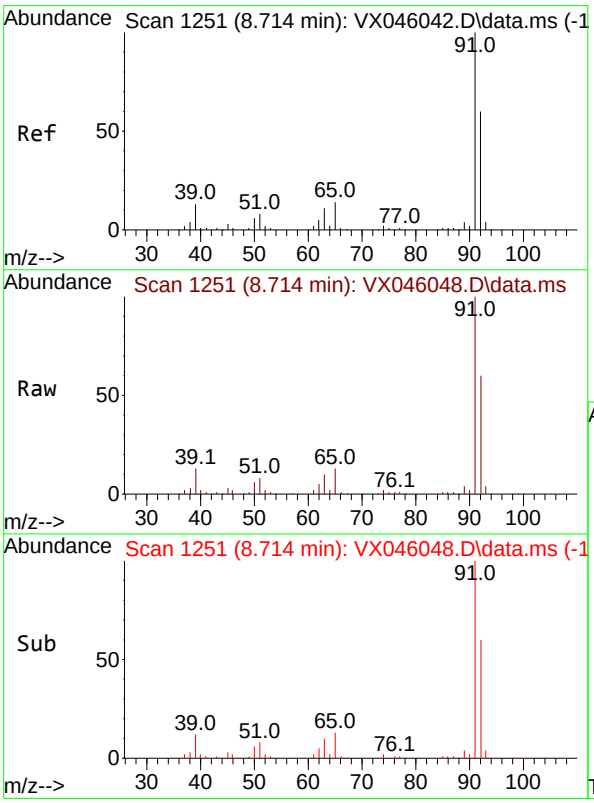

#51
4-Methyl-2-Pentanone
Concen: 259.133 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 43 Resp: 510206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.1 | 28.9 | 43.3 |

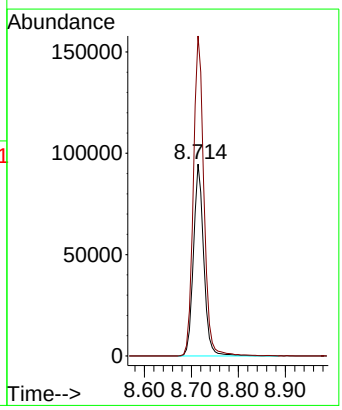


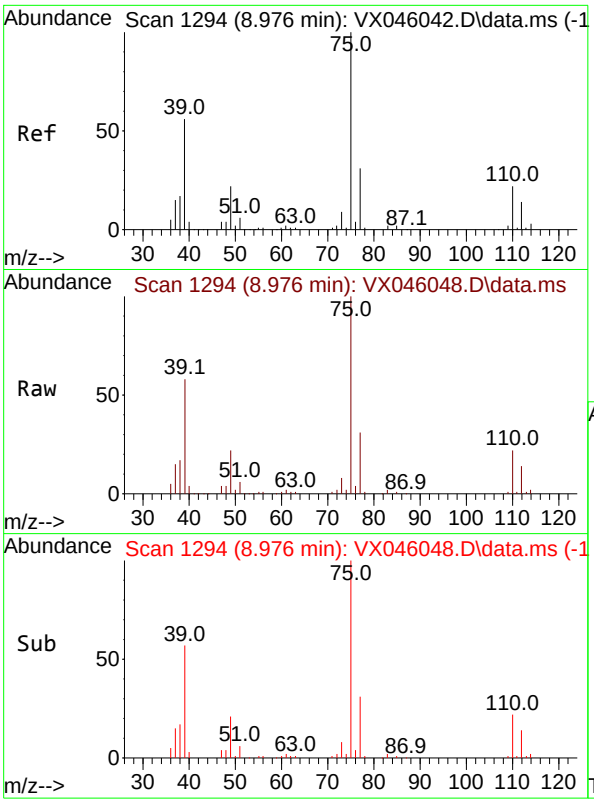




#52
Toluene
Concen: 51.150 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 92 Resp: 144574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.4 | 136.6 | 205.0 |



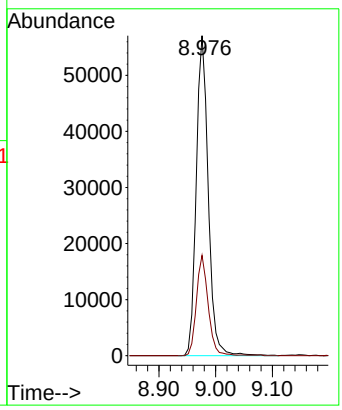


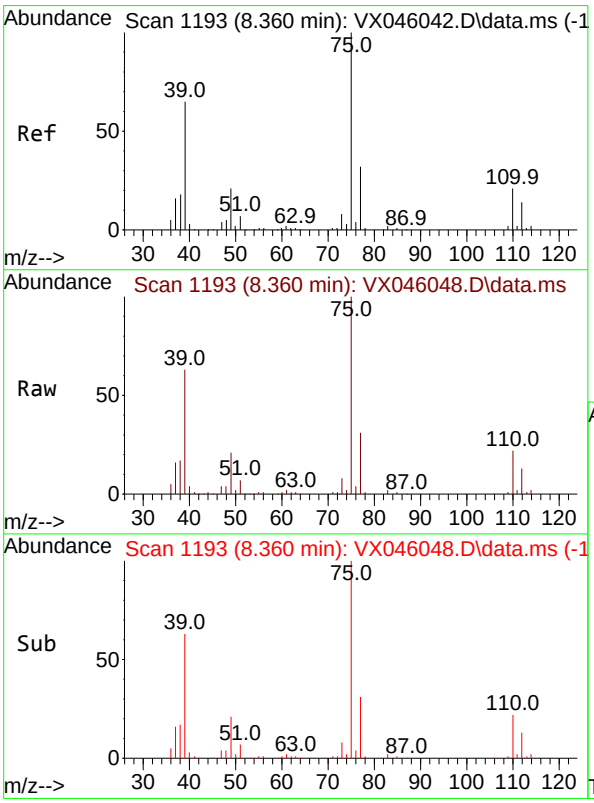

#53
t-1,3-Dichloropropene
Concen: 52.920 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 75 Resp: 83751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.0 | 37.6 |

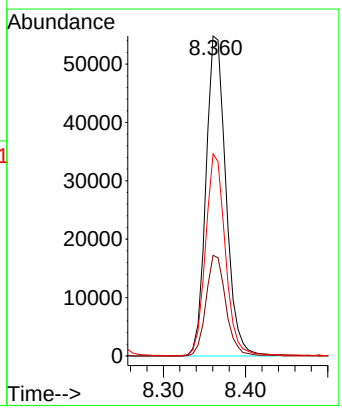


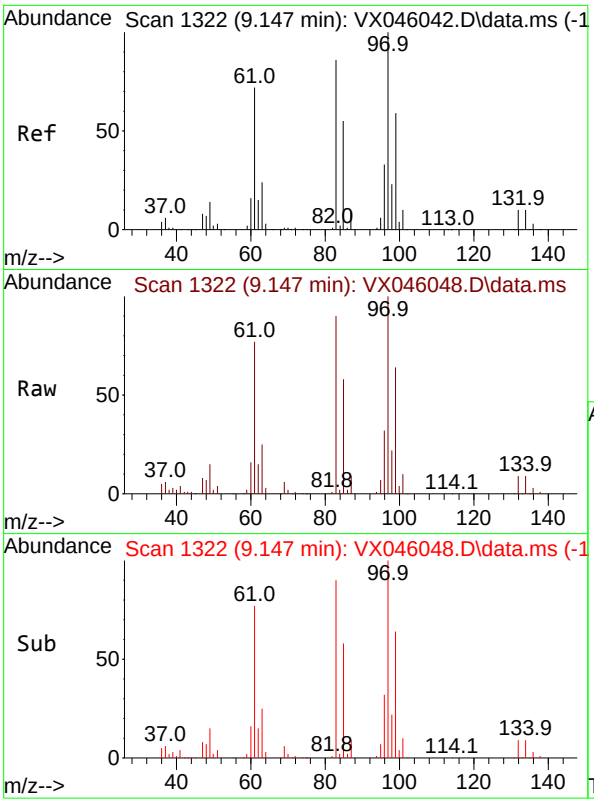




#54
cis-1,3-Dichloropropene
Concen: 52.892 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 92517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.4 | 38.0 |
| 39 | 63.2 | 52.2 | 78.4 |



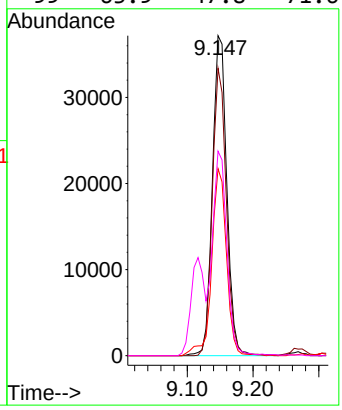


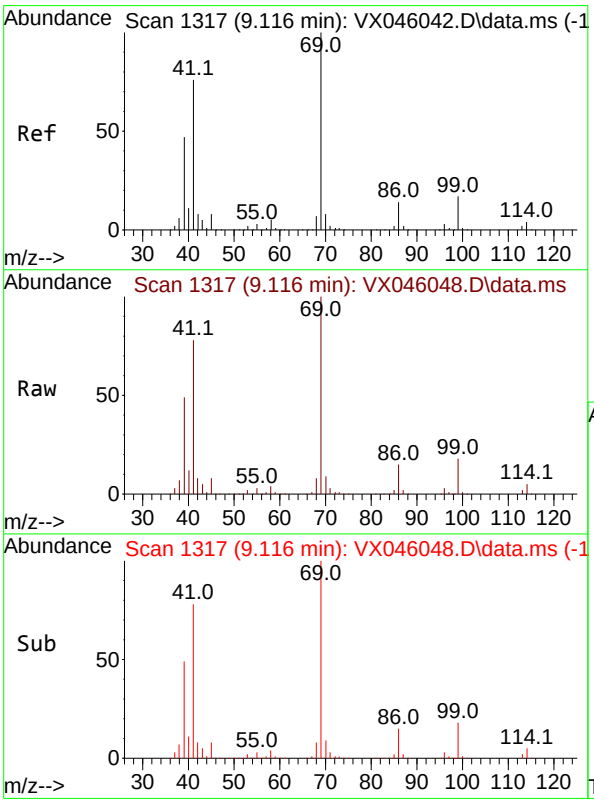

#55
1,1,2-Trichloroethane
Concen: 50.887 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 97 Resp: 56713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.8 | 69.0 | 103.6 |
| 85 | 58.4 | 44.3 | 66.5 |
| 99 | 63.9 | 47.8 | 71.6 |

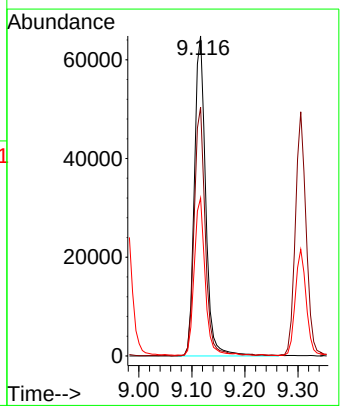


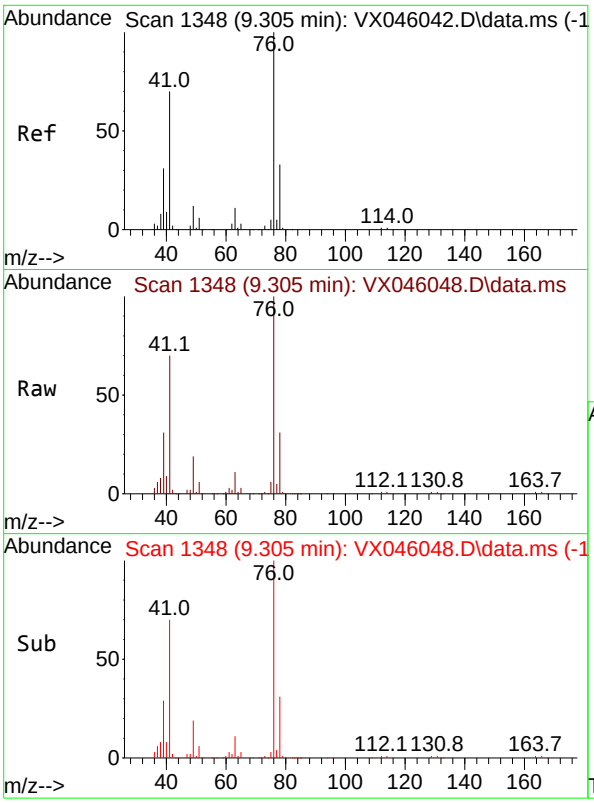




#56
Ethyl methacrylate
Concen: 53.918 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 69 Resp: 95772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 76.1 | 60.8 | 91.2 |
| 39 | 47.4 | 39.0 | 58.6 |



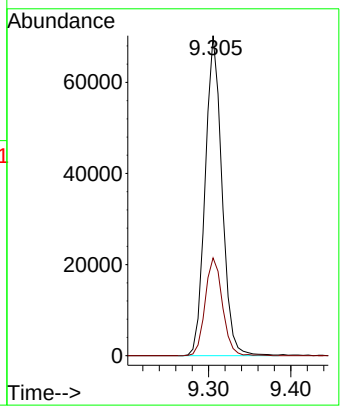


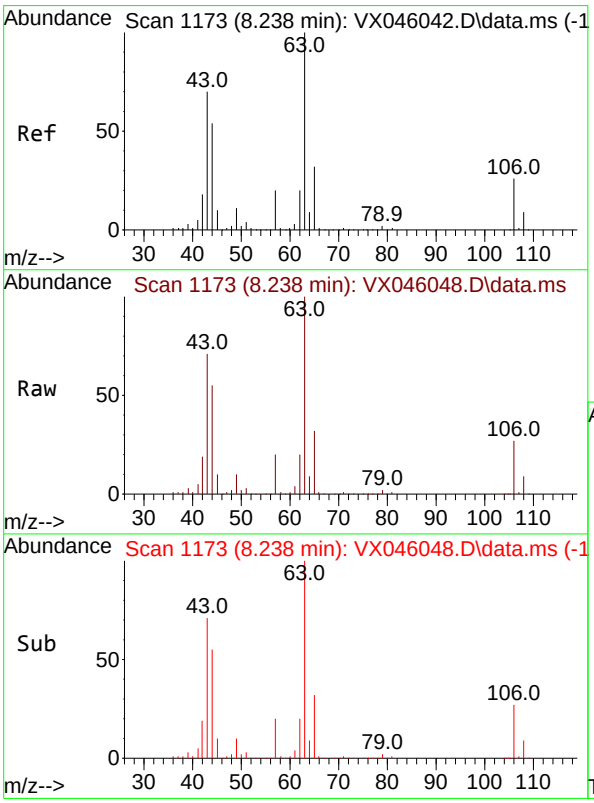

#57
1,3-Dichloropropane
Concen: 49.793 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 76 Resp: 99663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.4 | 26.3 | 39.5 |

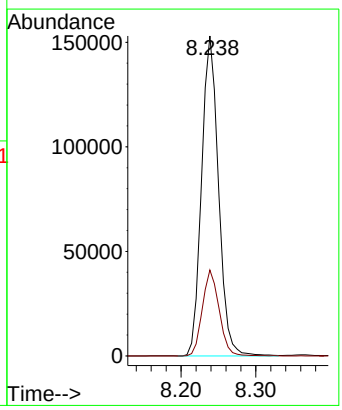


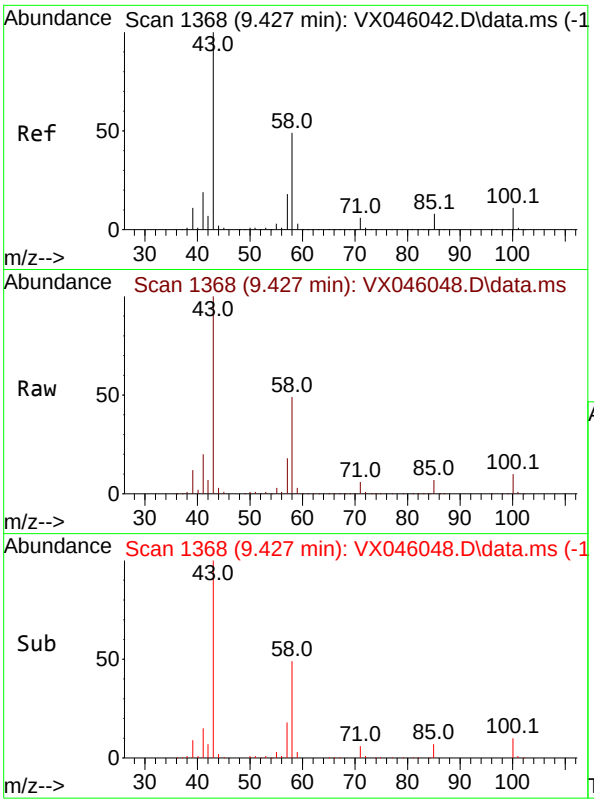




#58
2-Chloroethyl Vinyl ether
Concen: 265.780 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 240681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.6 | 21.5 | 32.3 |



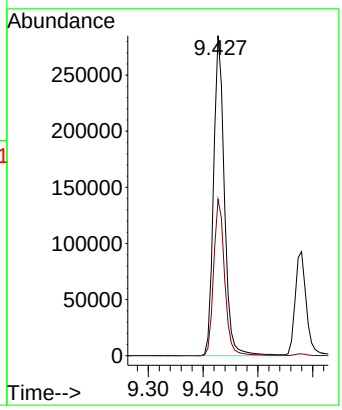


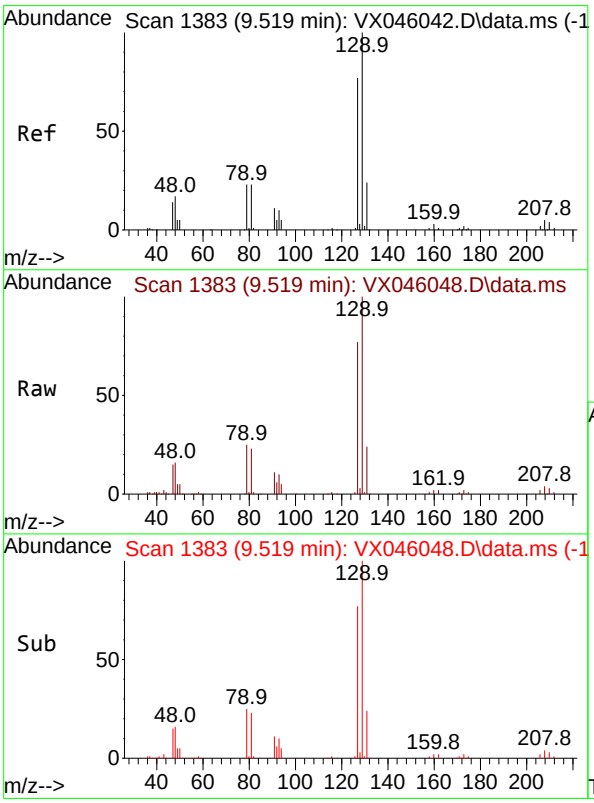

#59
2-Hexanone
Concen: 268.218 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 43 Resp: 390701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.6 | 24.9 | 74.6 |

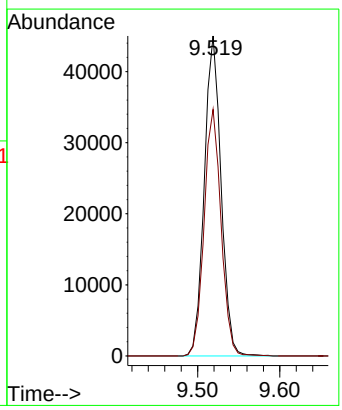


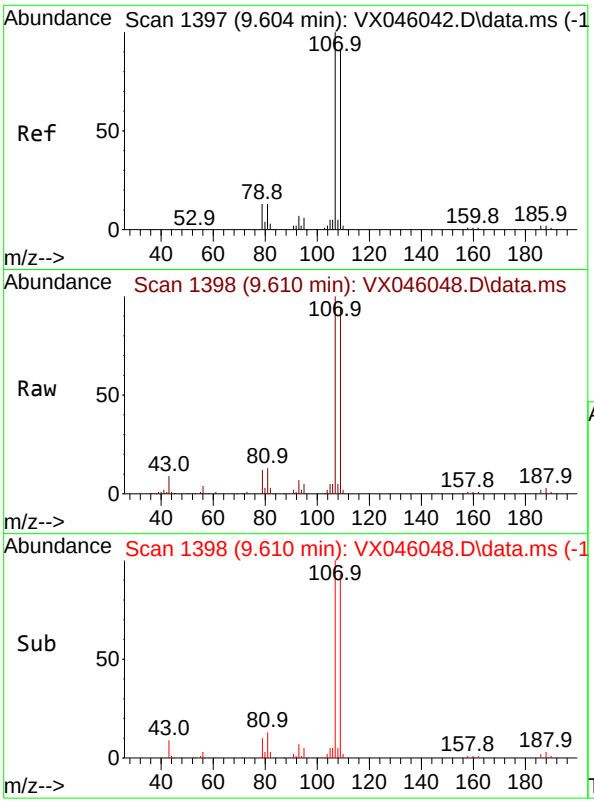




#60
Dibromochloromethane
Concen: 52.075 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:129 Resp: 63738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.9 | 39.3 | 117.8 |



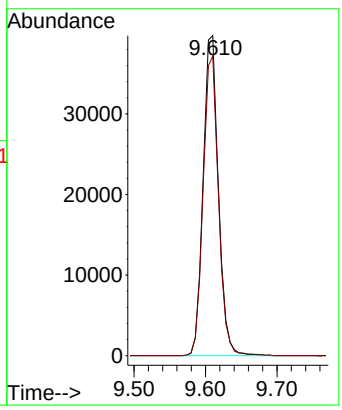


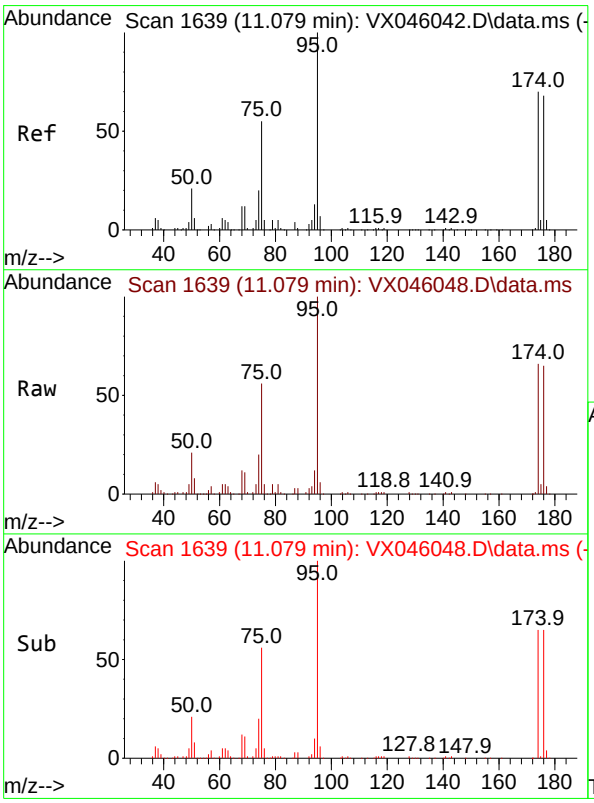

#61
1,2-Dibromoethane
Concen: 51.050 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:107 Resp: 59134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 73.3 | 109.9 |

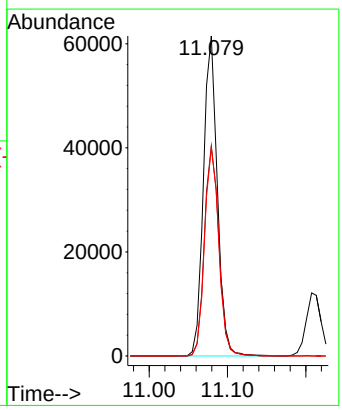


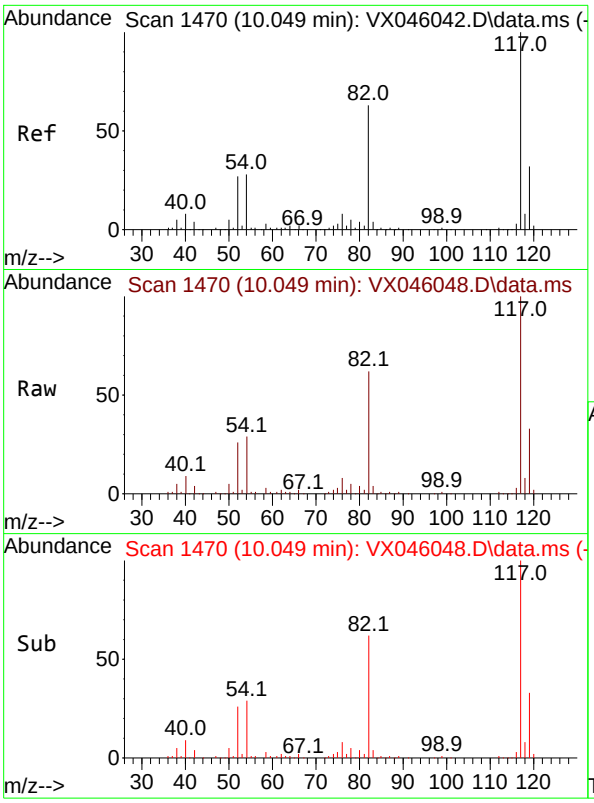




#62
4-Bromofluorobenzene
Concen: 48.596 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 95 Resp: 75568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 68.2 | 0.0 | 135.8 |
| 176 | 66.5 | 0.0 | 131.4 |



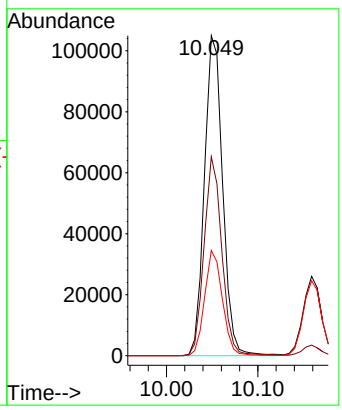


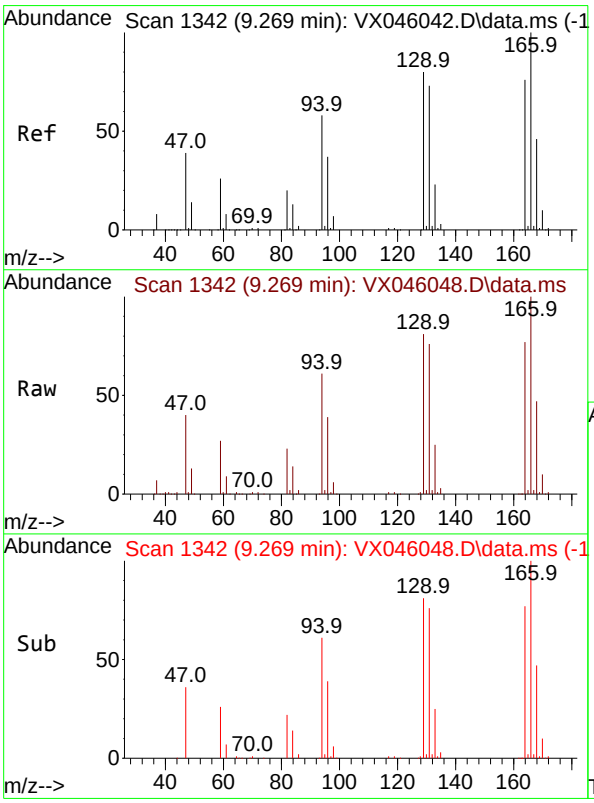

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:117 Resp: 145078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 62.1 | 50.6 | 76.0 |
| 119 | 32.9 | 25.8 | 38.6 |

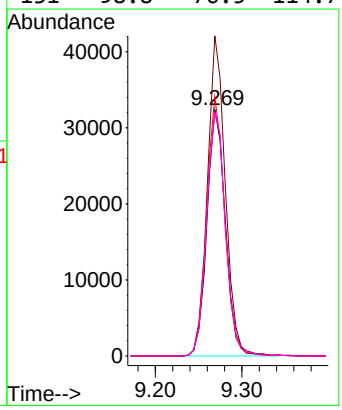


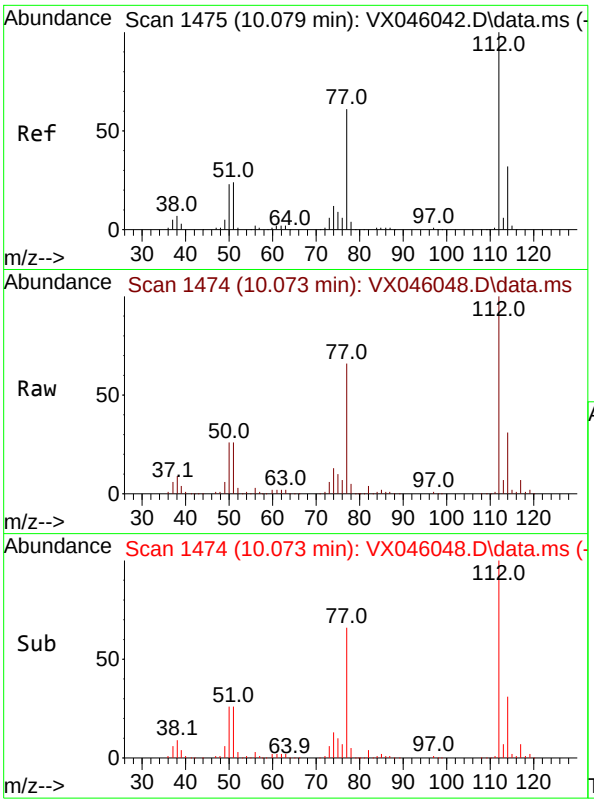




#64
Tetrachloroethene
Concen: 46.795 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:164 Resp: 48034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.9 | 105.0 | 157.6 |
| 129 | 105.3 | 83.5 | 125.3 |
| 131 | 98.8 | 76.5 | 114.7 |



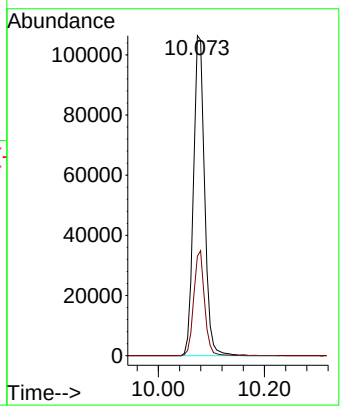


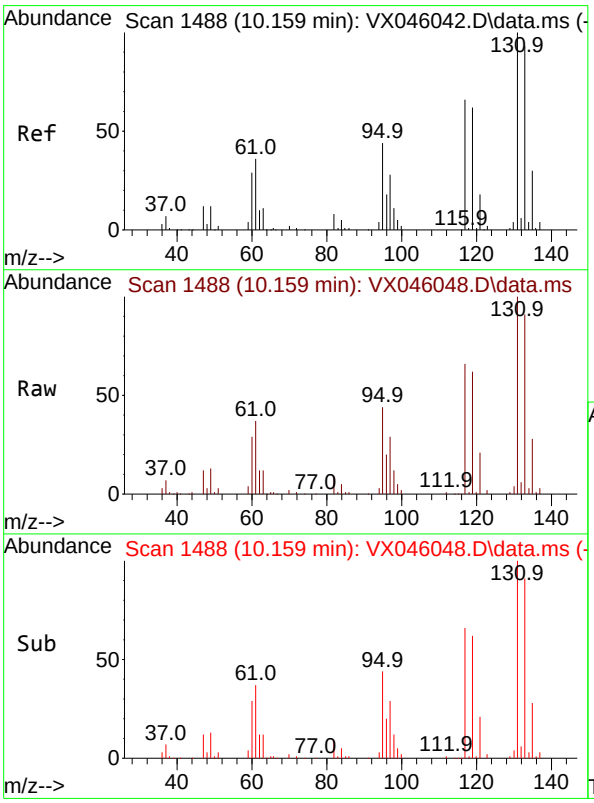

#65
Chlorobenzene
Concen: 48.699 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:112 Resp: 154640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.1 | 25.4 | 38.2 |

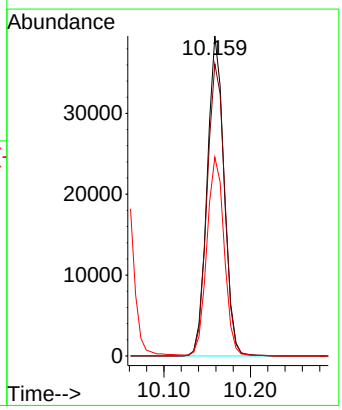


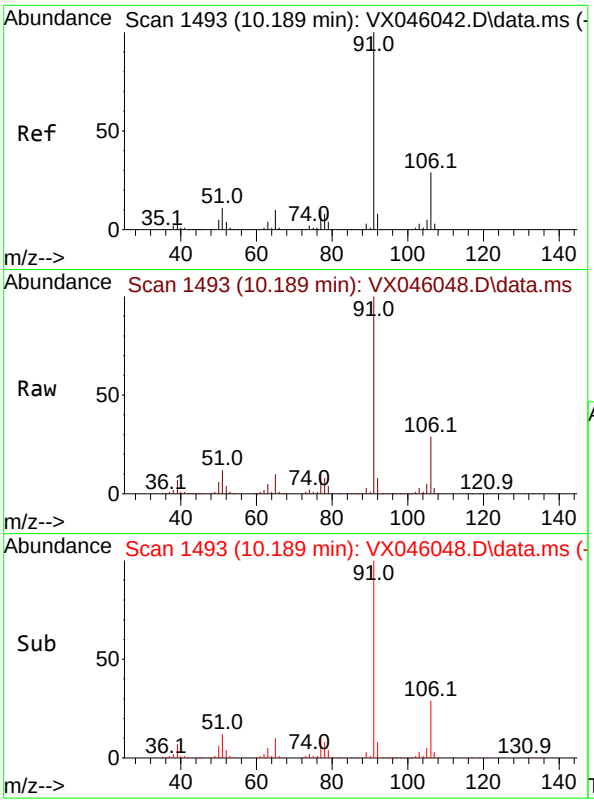




#66
1,1,1,2-Tetrachloroethane
Concen: 49.557 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:131 Resp: 53735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.9 | 47.3 | 141.9 |
| 119 | 63.7 | 31.6 | 95.0 |



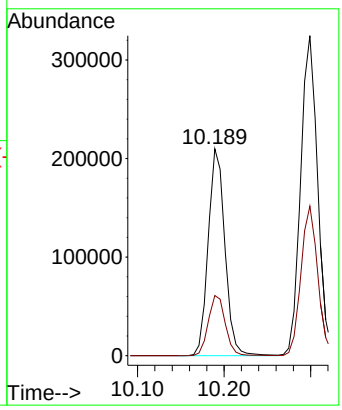


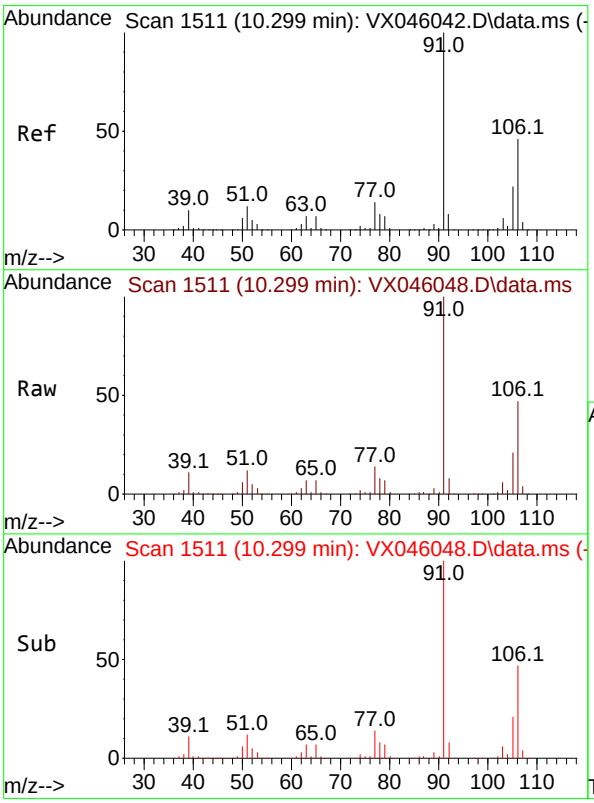

#67
Ethyl Benzene
Concen: 50.245 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 91 Resp: 281239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.1 | 23.4 | 35.2 |

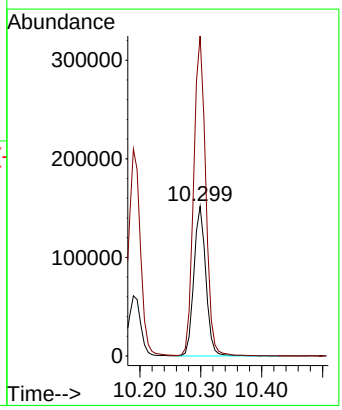


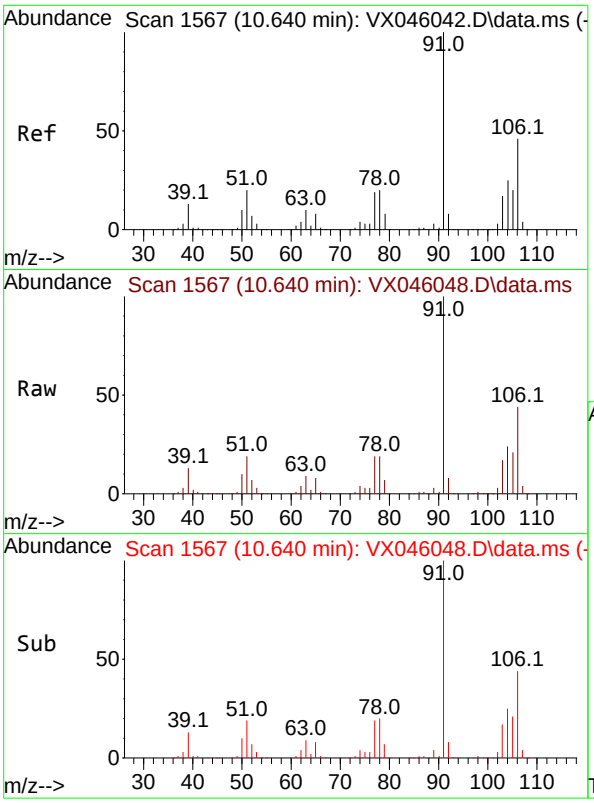




#68
m/p-Xylenes
Concen: 101.022 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:106 Resp: 206813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.6 | 171.2 | 256.8 |



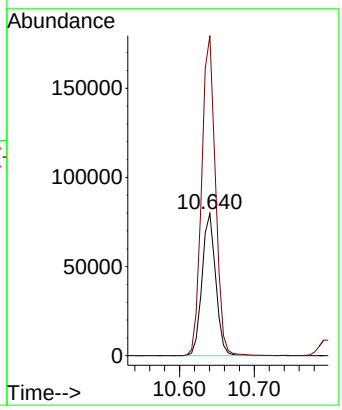


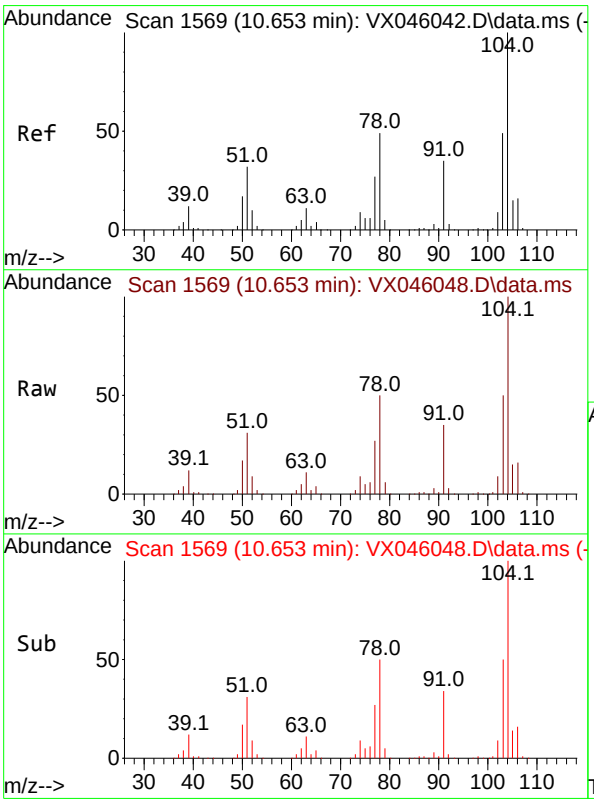

#69
o-Xylene
Concen: 50.841 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:106 Resp: 101469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 227.7 | 112.7 | 338.1 |

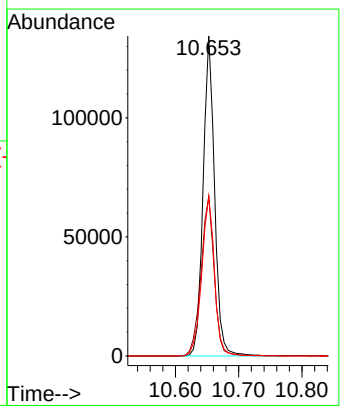


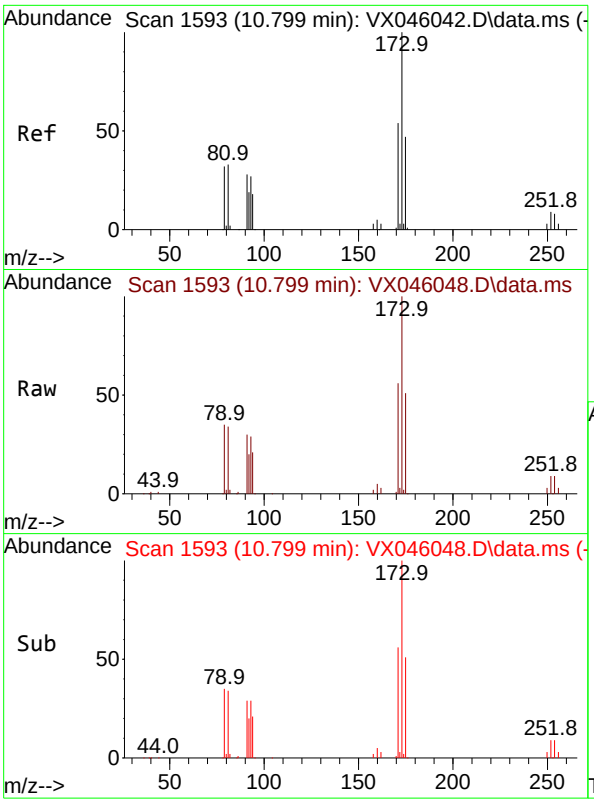




#70
Styrene
Concen: 51.907 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:104 Resp: 169703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.6 | 45.7 | 68.5 |
| 103 | 55.5 | 43.7 | 65.5 |



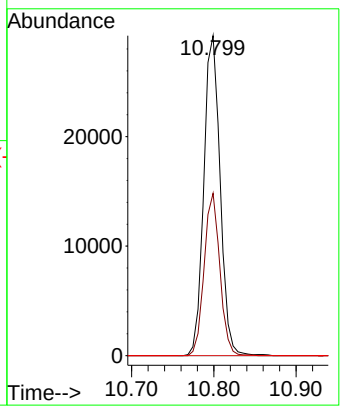


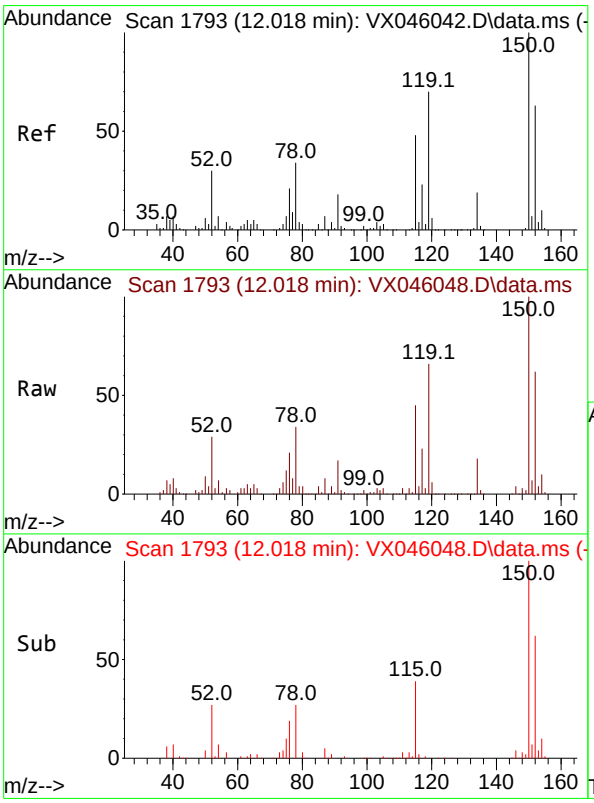

#71
Bromoform
Concen: 49.583 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:173 Resp: 40364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |

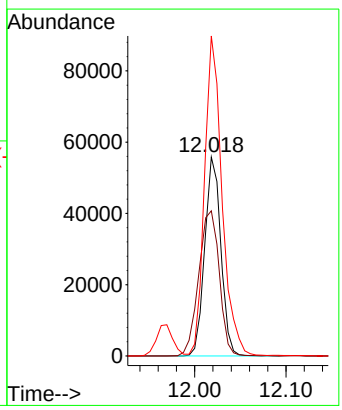


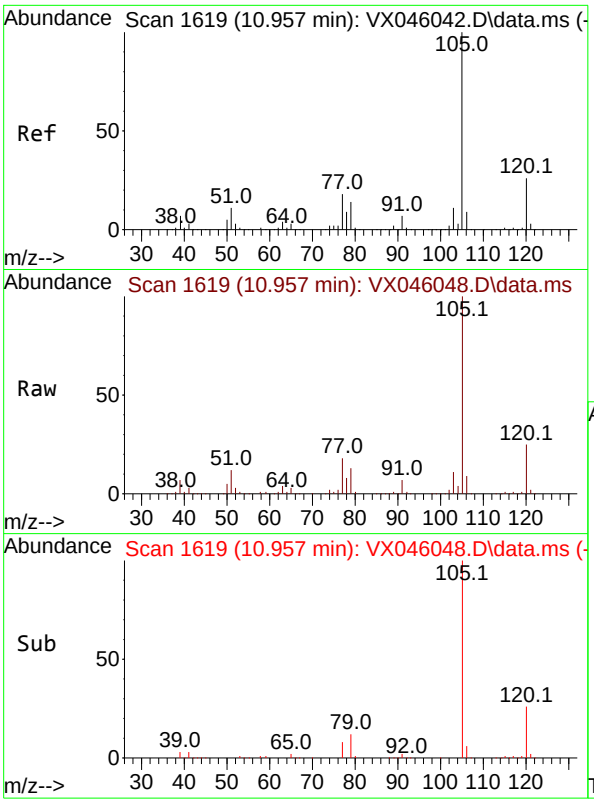




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:152 Resp: 68229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 93.3 | 46.9 | 140.7 |
| 150 | 175.3 | 0.0 | 351.0 |



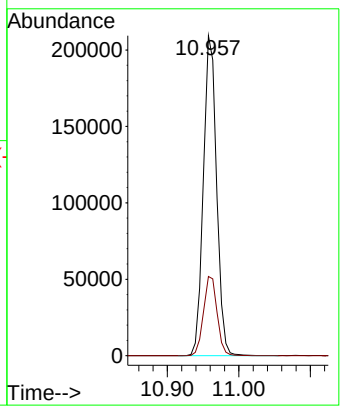


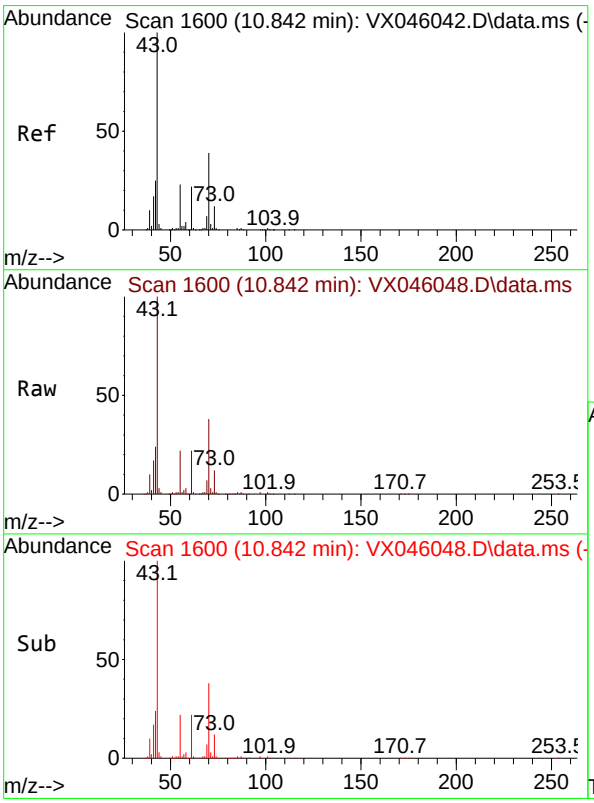

#73
Isopropylbenzene
Concen: 50.733 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:105 Resp: 269484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.4 | 12.8 | 38.4 |

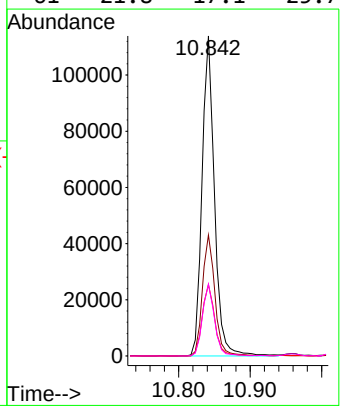


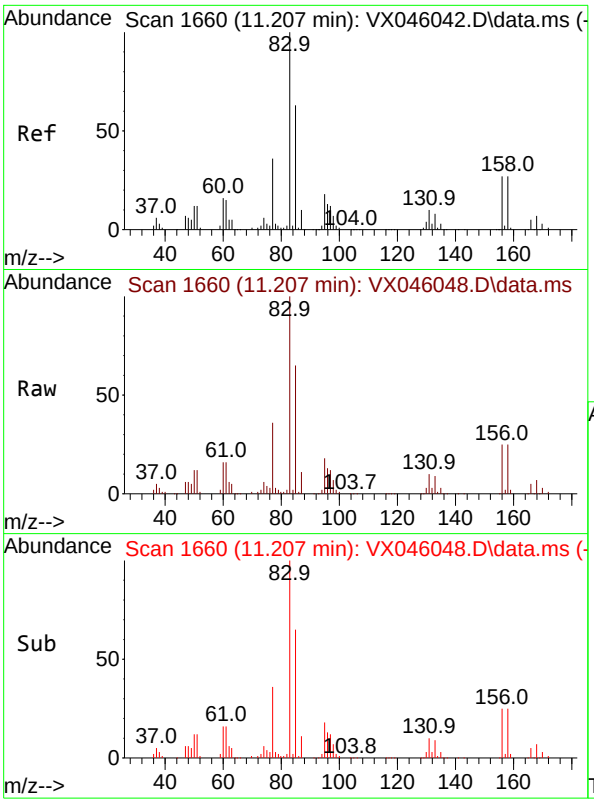




#74
N-amyl acetate
Concen: 52.407 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 137559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 37.9 | 30.9 | 46.3 |
| 55 | 22.7 | 18.7 | 28.1 |
| 61 | 21.8 | 17.1 | 25.7 |



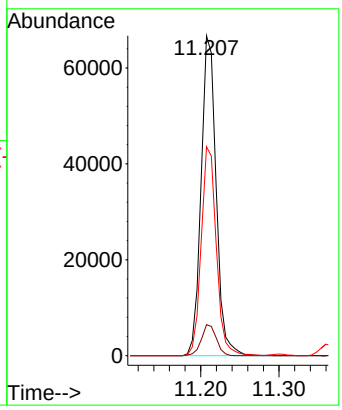


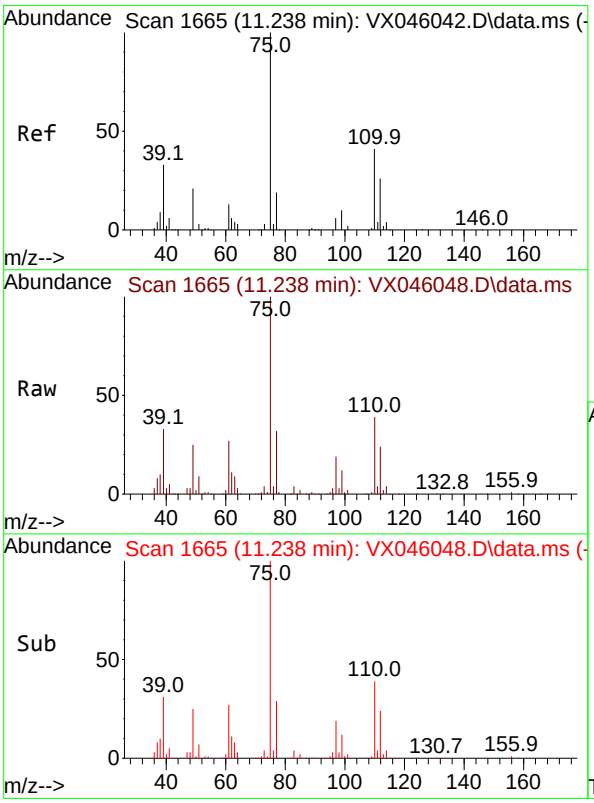

#75
1,1,2,2-Tetrachloroethane
Concen: 47.827 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 83 Resp: 89027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 5.0 | 14.9 |
| 85 | 65.5 | 31.9 | 95.7 |

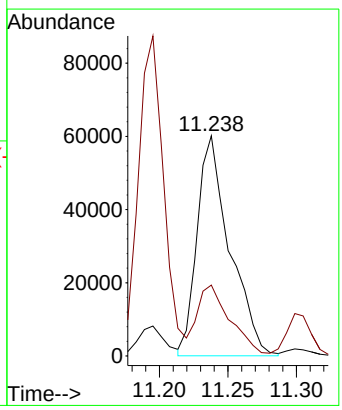


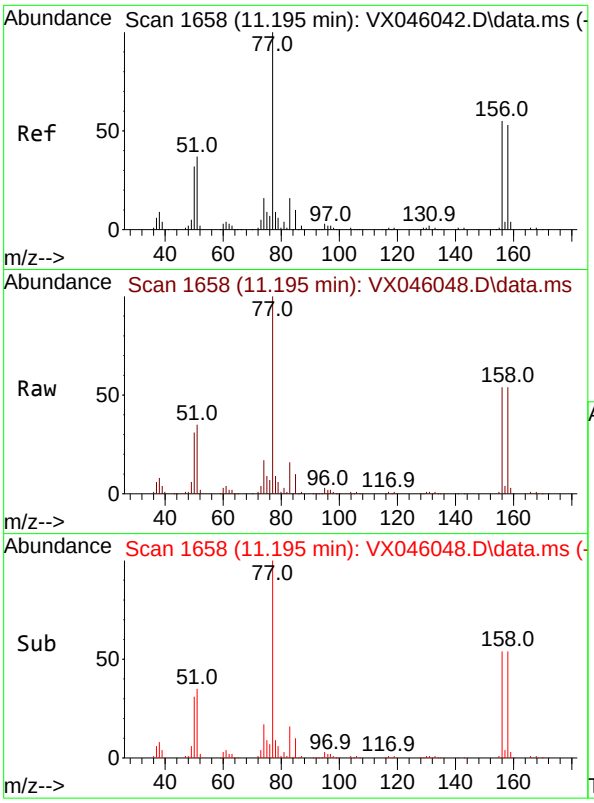




#76
1,2,3-Trichloropropane
Concen: 60.821 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 99886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 20.5 | 61.5 |



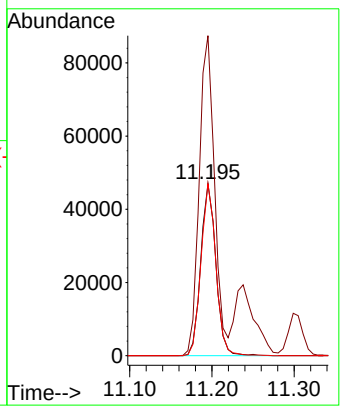


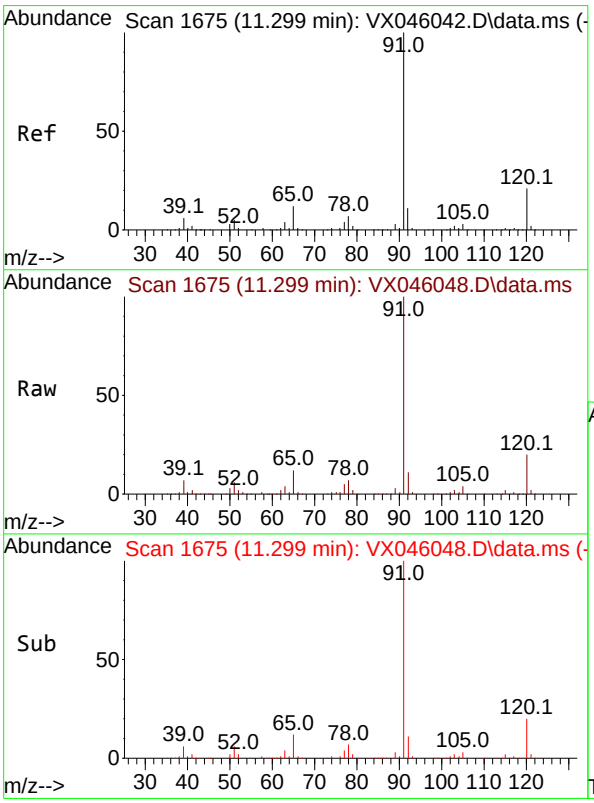

#77
Bromobenzene
Concen: 48.549 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:156 Resp: 59871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 189.0 | 92.8 | 278.3 |
| 158 | 98.9 | 48.8 | 146.3 |

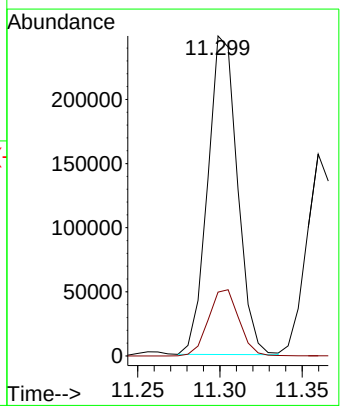


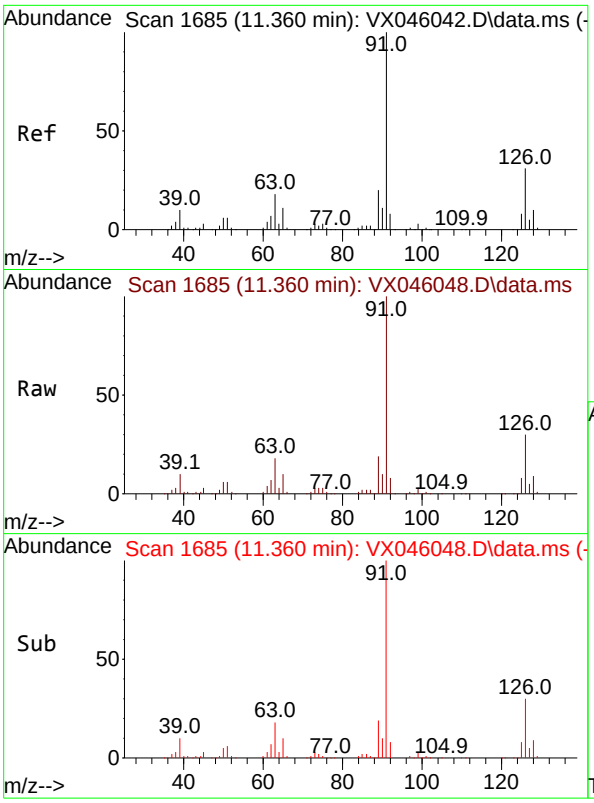




#78
n-propylbenzene
Concen: 50.562 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 312285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.4 | 10.8 | 32.4 |



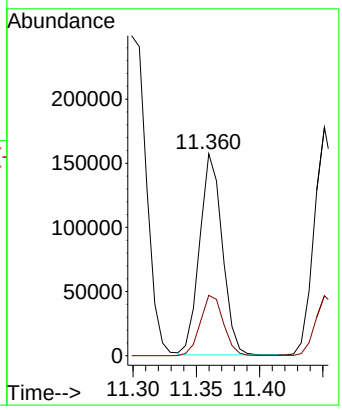


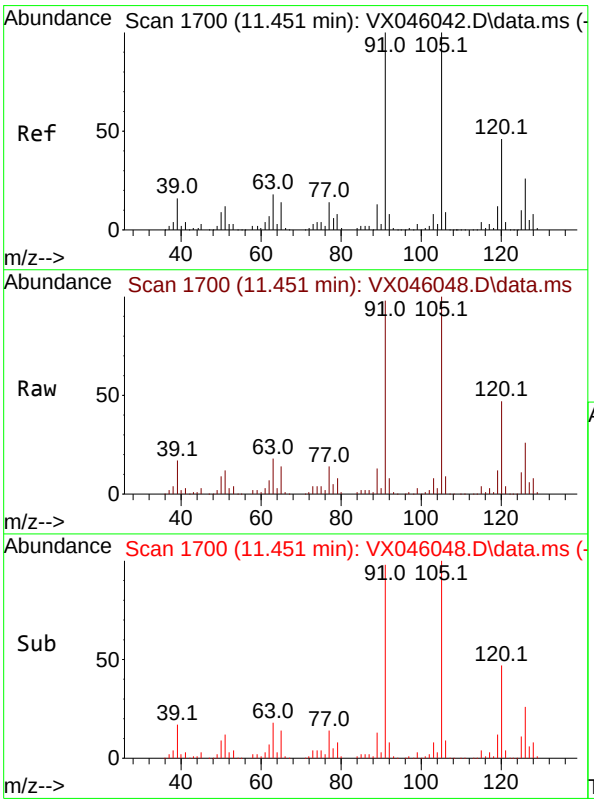

#79
2-Chlorotoluene
Concen: 49.107 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 91 Resp: 195630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.8 | 15.6 | 46.7 |

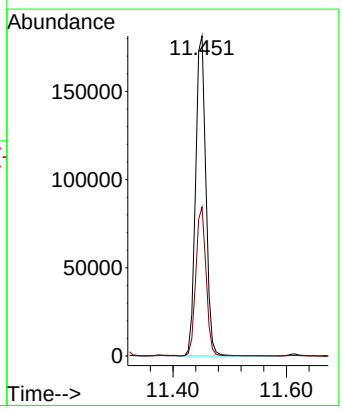


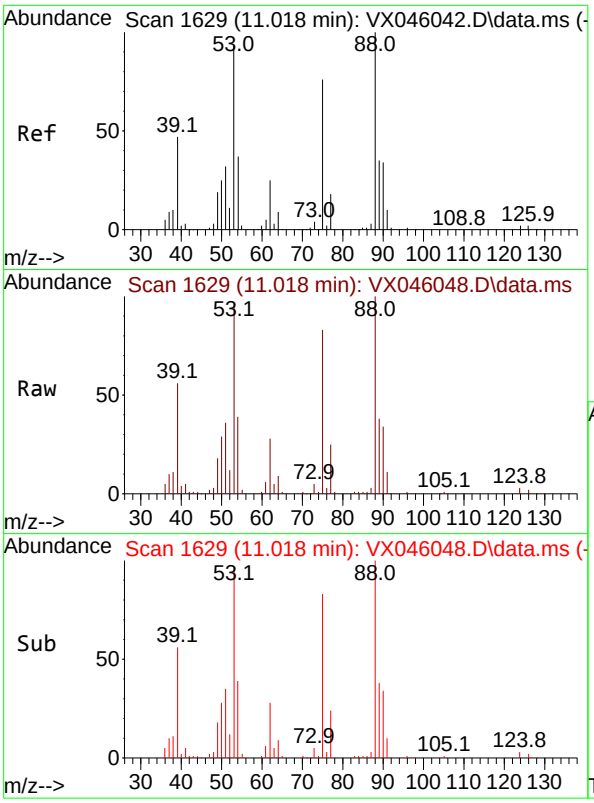




#80
1,3,5-Trimethylbenzene
Concen: 51.500 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 228538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.3 | 23.1 | 69.2 |



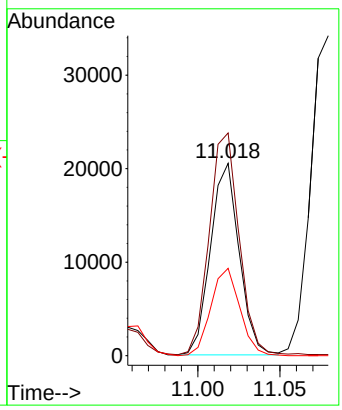


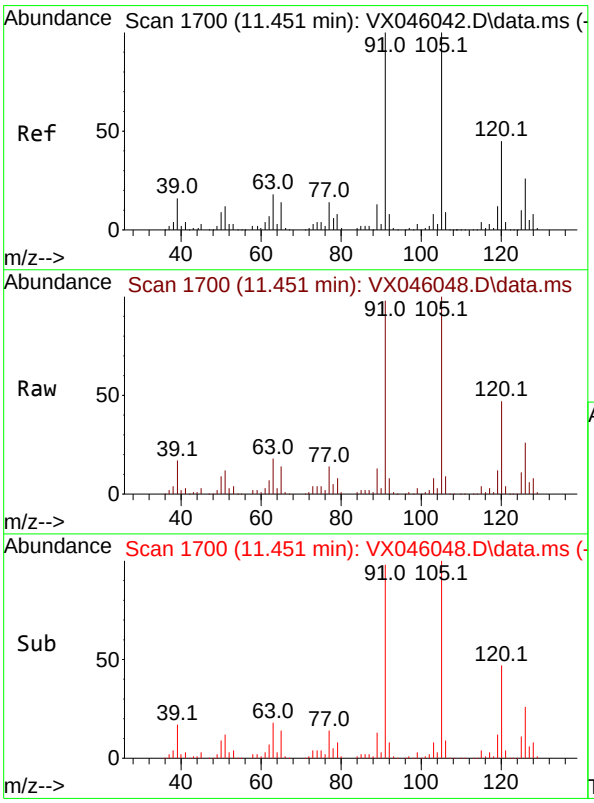

#81
trans-1,4-Dichloro-2-butene
Concen: 49.276 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 75 Resp: 24857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 122.3 | 100.5 | 150.7 |
| 89 | 46.2 | 37.0 | 55.6 |

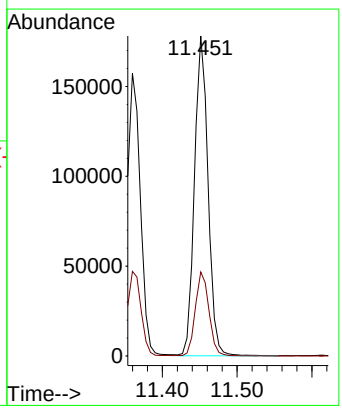


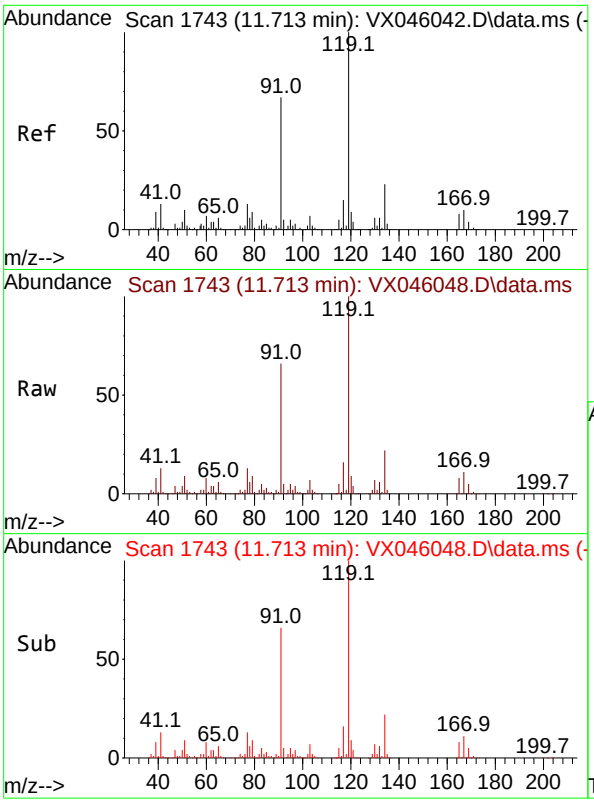




#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 223811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.5 | 13.3 | 39.8 |



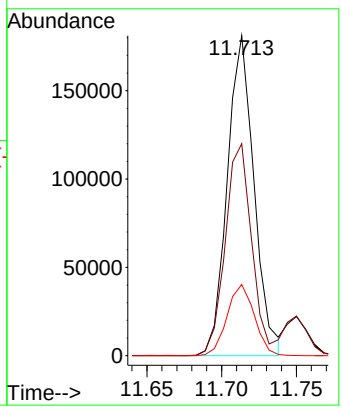


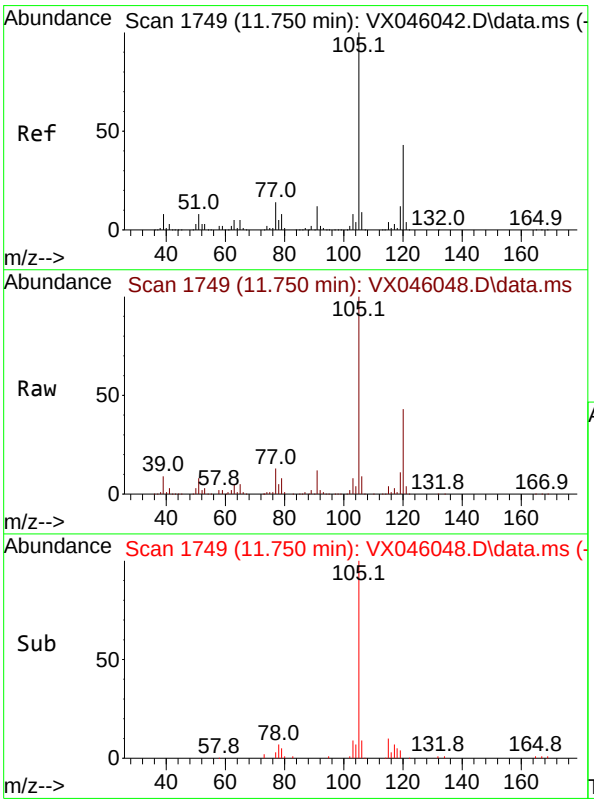

#83
tert-Butylbenzene
Concen: 50.511 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:119 Resp: 225783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.9 | 32.9 | 98.7 |
| 134 | 22.6 | 11.4 | 34.1 |

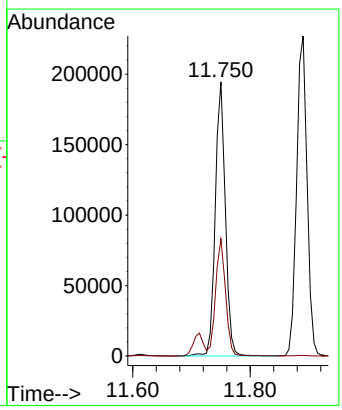


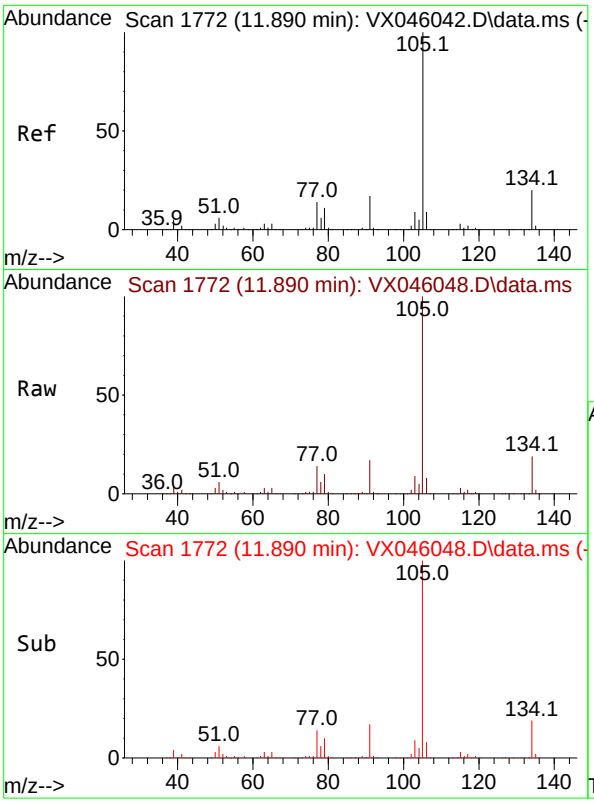




#84
1,2,4-Trimethylbenzene
Concen: 51.485 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 231371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.3 | 21.2 | 63.6 |



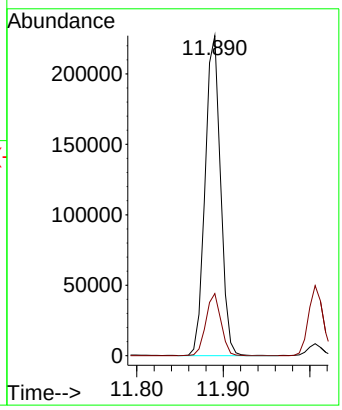


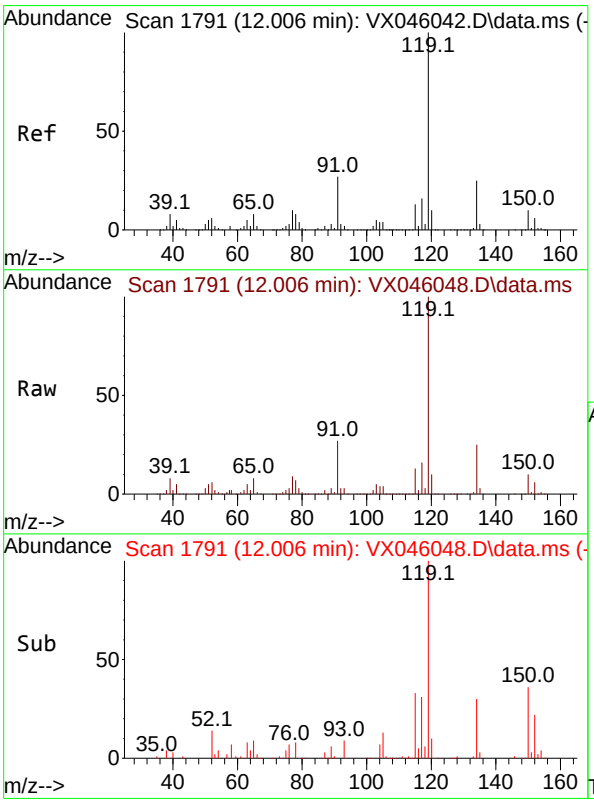

#85
sec-Butylbenzene
Concen: 51.122 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:105 Resp: 280578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.1 | 9.7 | 29.1 |

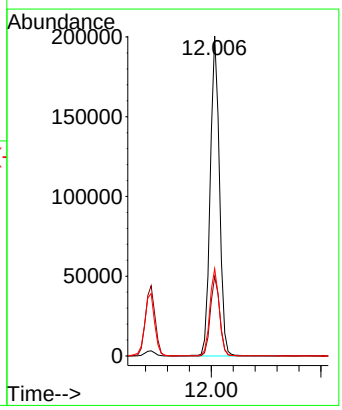


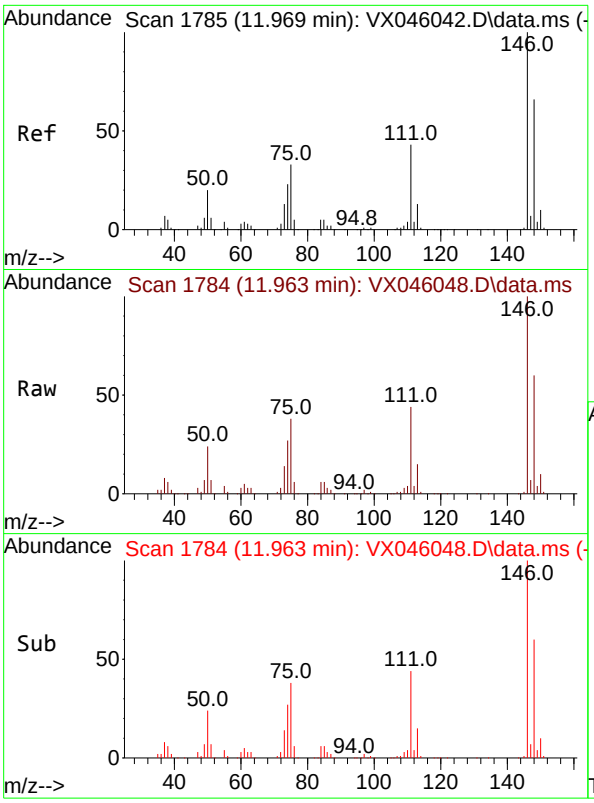




#86
p-Isopropyltoluene
Concen: 51.198 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:119 Resp: 231942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.0 | 12.5 | 37.5 |
| 91 | 27.5 | 13.8 | 41.4 |



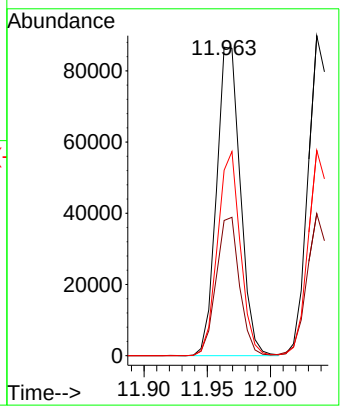


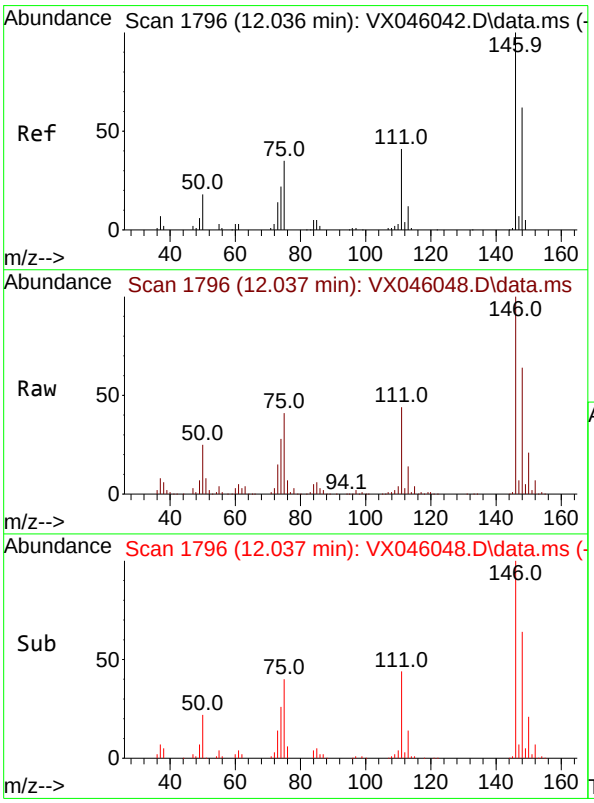

#87
1,3-Dichlorobenzene
Concen: 50.272 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:146 Resp: 113146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 22.1 | 66.3 |
| 148 | 63.5 | 32.1 | 96.5 |

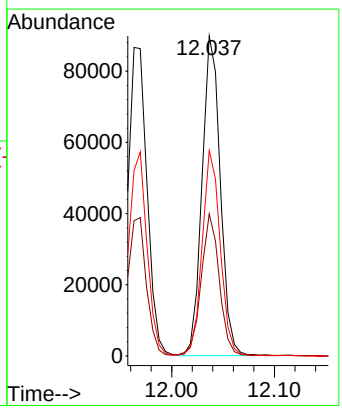


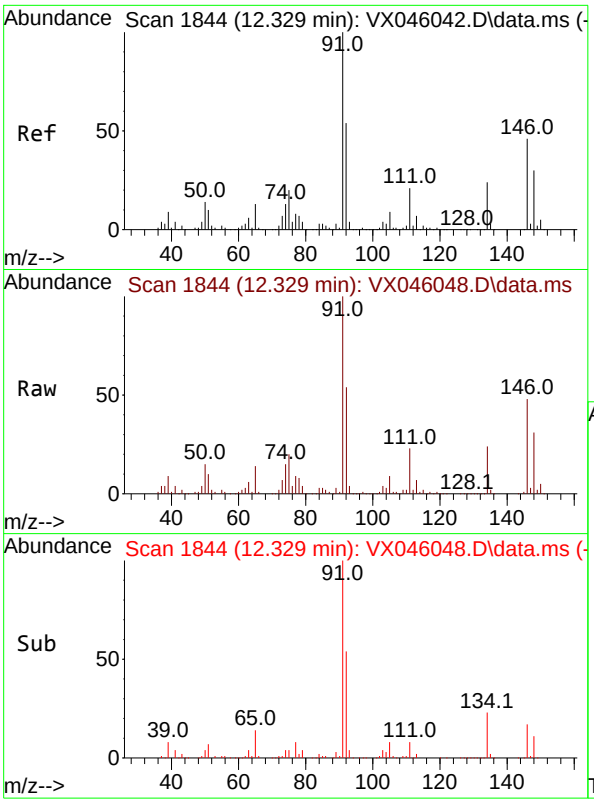




#88
1,4-Dichlorobenzene
Concen: 48.368 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 111173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.9 | 21.3 | 63.9 |
| 148 | 63.3 | 31.9 | 95.5 |



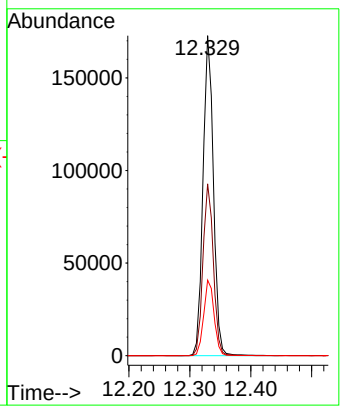


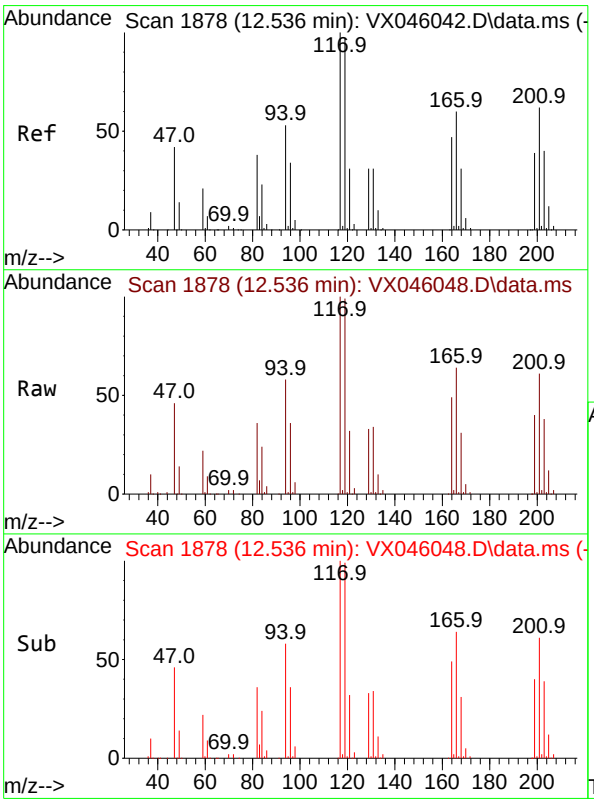

#89
n-Butylbenzene
Concen: 51.804 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion: 91 Resp: 205858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.7 | 26.9 | 80.7 |
| 134 | 23.7 | 11.8 | 35.3 |

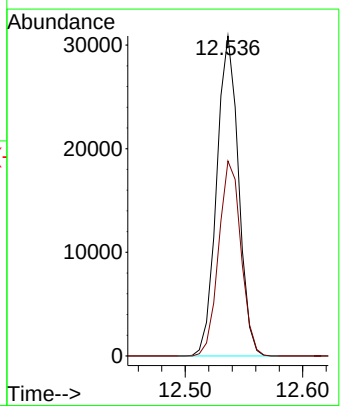


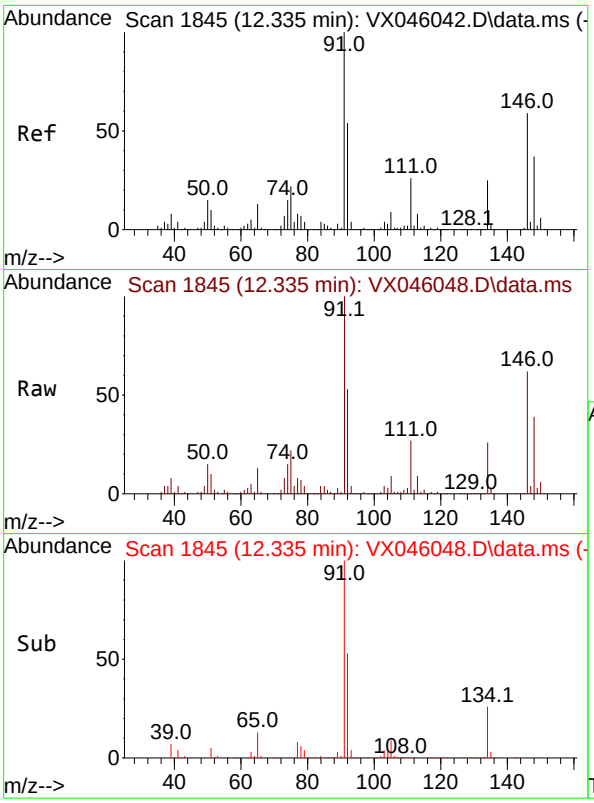




#90
Hexachloroethane
Concen: 49.895 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 39823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.4 | 31.6 | 94.7 |



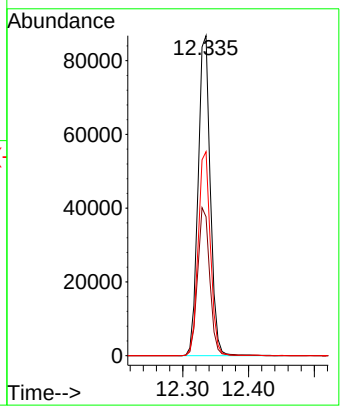


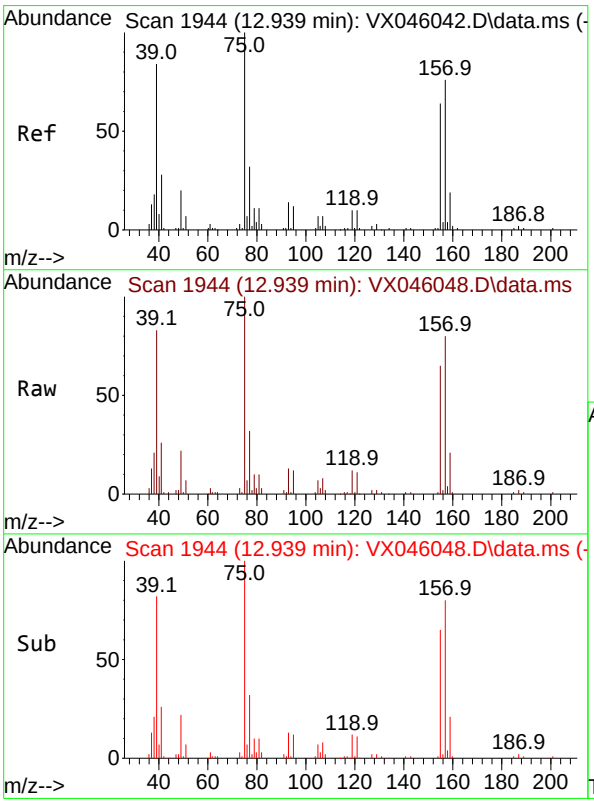

#91
1,2-Dichlorobenzene
Concen: 49.361 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:146 Resp: 111482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.8 | 22.4 | 67.3 |
| 148 | 64.2 | 31.6 | 94.8 |

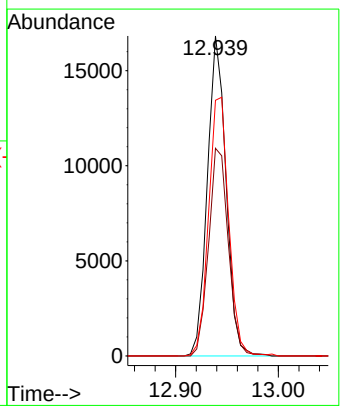


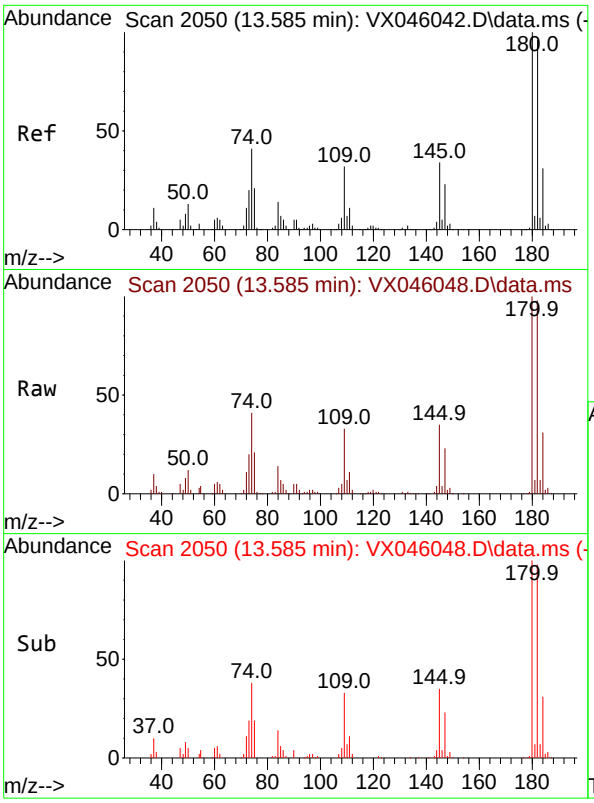




#92
1,2-Dibromo-3-Chloropropane
Concen: 51.458 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 21220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 68.6 | 34.9 | 104.8 |
| 157 | 86.7 | 43.8 | 131.4 |



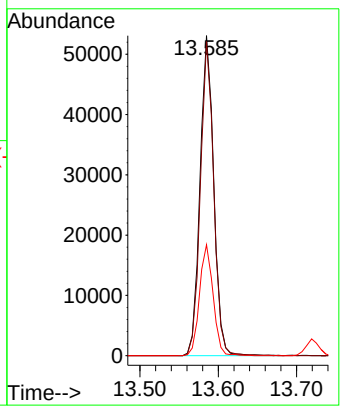


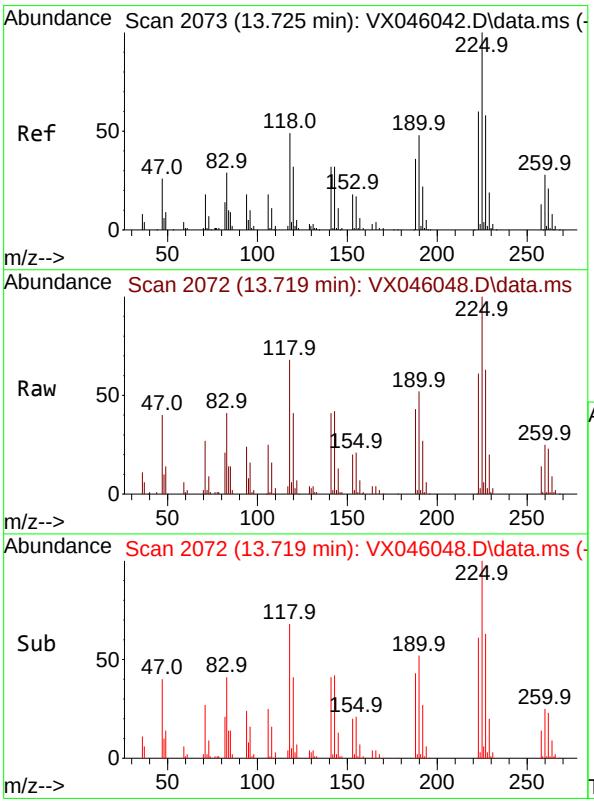

#93
1,2,4-Trichlorobenzene
Concen: 49.662 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:180 Resp: 64421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 47.9 | 143.8 |
| 145 | 34.4 | 17.1 | 51.2 |

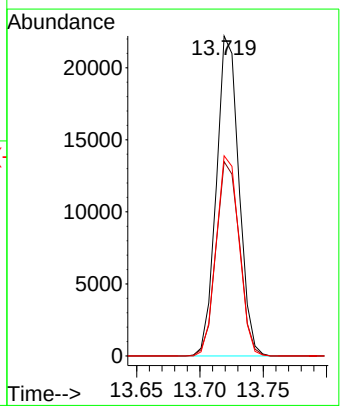


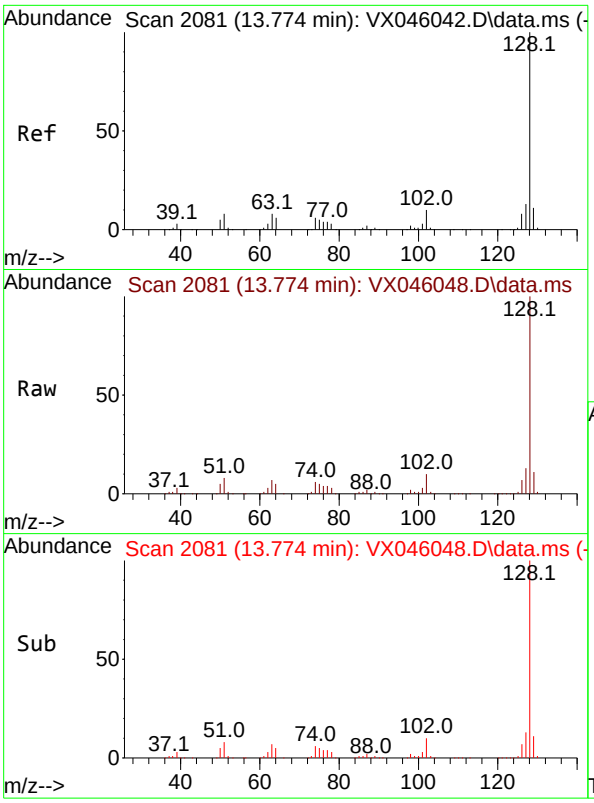




#94
Hexachlorobutadiene
Concen: 48.408 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:225 Resp: 27425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 30.8 | 92.4 |
| 227 | 63.7 | 30.9 | 92.7 |



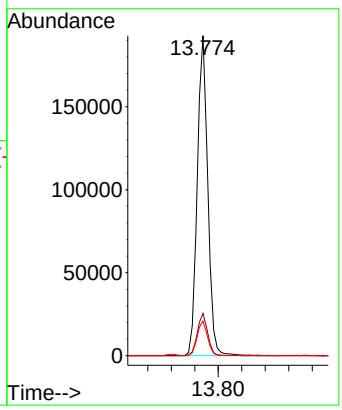


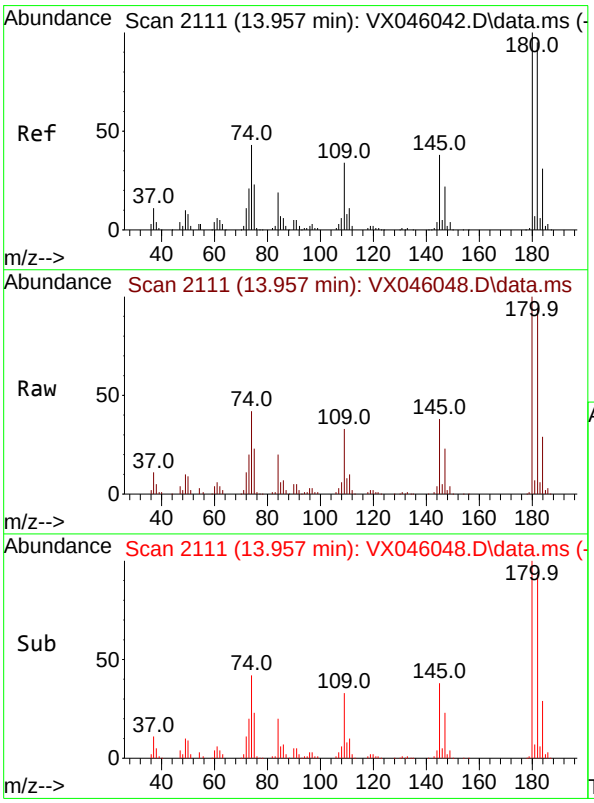

#95
Naphthalene
Concen: 50.404 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX050525

Tgt Ion:128 Resp: 239805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.4 | 15.6 |
| 129 | 10.7 | 8.6 | 13.0 |

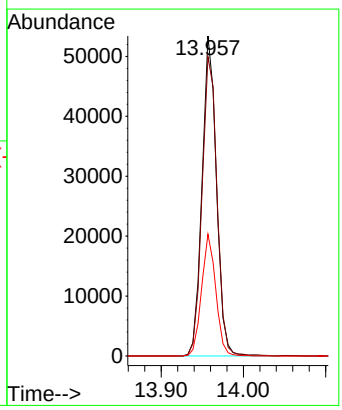



#96
1,2,3-Trichlorobenzene
Concen: 48.525 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:180 Resp: 64950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.0 | 47.8 | 143.3 |
| 145 | 37.5 | 18.1 | 54.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 89943 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 154938 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 137123 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 66629 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 86863 | 51.802 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 103.600% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 59429 | 53.265 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 106.540% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 202439 | 52.423 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 104.840% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 79568 | 53.716 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 107.440% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 64545 | 46.886 | ug/l | 97 |
| 3) Chloromethane | 1.306 | 50 | 58836 | 44.072 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 53273 | 42.877 | ug/l | 98 |
| 5) Bromomethane | 1.599 | 94 | 25935 | 45.004 | ug/l | 95 |
| 6) Chloroethane | 1.672 | 64 | 33980 | 51.230 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.880 | 101 | 89339 | 48.653 | ug/l | 98 |
| 8) Diethyl Ether | 2.130 | 74 | 30446 | 48.706 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 55612 | 48.939 | ug/l | 98 |
| 10) Methyl Iodide | 2.447 | 142 | 61527 | 45.758 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.965 | 59 | 64532 | 274.166 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 49469 | 46.384 | ug/l | 97 |
| 13) Acrolein | 2.233 | 56 | 71978 | 268.519 | ug/l | 98 |
| 14) Allyl chloride | 2.660 | 41 | 105111 | 51.568 | ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 181852 | 270.194 | ug/l | 98 |
| 16) Acetone | 2.379 | 43 | 176899 | 263.114 | ug/l | 100 |
| 17) Carbon Disulfide | 2.507 | 76 | 105198 | 41.606 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 98895 | 63.388 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 197614 | 52.851 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 59651 | 46.299 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 50409 | 47.000 | ug/l | 92 |
| 22) Diisopropyl ether | 3.757 | 45 | 207508 | 52.704 | ug/l | 98 |
| 23) Vinyl Acetate | 3.715 | 43 | 910937 | 263.054 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 111459 | 50.826 | ug/l | 99 |
| 25) 2-Butanone | 4.550 | 43 | 266316 | 272.843 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 89521 | 52.155 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 63472 | 49.159 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 54142 | 51.292 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.001 | 42 | 166716 | 272.575 | ug/l | 98 |
| 30) Chloroform | 5.086 | 83 | 115698 | 50.618 | ug/l | 91 |
| 31) Cyclohexane | 5.464 | 56 | 92255 | 46.166 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 101459 | 51.206 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 72479 | 48.349 | ug/l | 100 |
| 37) Ethyl Acetate | 4.708 | 43 | 97648 | 52.723 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 85412 | 50.709 | ug/l | 99 |
| 39) Methylcyclohexane | 7.372 | 83 | 92549 | 47.954 | ug/l | 96 |
| 40) Benzene | 6.031 | 78 | 220133 | 50.133 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 58444 | 60.322 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 97361 | 51.375 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.336 | 43 | 158225 | 55.999 | ug/l | | 99 |
| 44) Trichloroethene | 7.123 | 130 | 53136 | 50.279 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.421 | 63 | 58016 | 53.136 | ug/l | | 99 |
| 46) Dibromomethane | 7.574 | 93 | 44309 | 51.454 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 92253 | 54.392 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.689 | 41 | 82925 | 57.467 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 28855 | 1053.147 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.567 | 43 | 524686 | 279.753 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 136068 | 50.537 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 84046 | 55.750 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 91612 | 54.982 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 56661 | 53.371 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.110 | 69 | 97493 | 57.619 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 98945 | 51.895 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 231542 | 268.416 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 395700 | 285.172 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 64591 | 55.399 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 58405 | 52.931 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.268 | 164 | 48977 | 50.481 | ug/l | | 96 |
| 65) Chlorobenzene | 10.073 | 112 | 148639 | 49.525 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 53302 | 52.010 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 272231 | 51.457 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 197275 | 101.954 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 97901 | 51.899 | ug/l | | 98 |
| 70) Styrene | 10.652 | 104 | 165627 | 53.599 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 42491 | 55.224 | ug/l | # | 97 |
| 73) Isopropylbenzene | 10.957 | 105 | 265569 | 51.196 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 138648 | 54.091 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 91010 | 50.066 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 103018 | 64.234 | ug/l | | 86 |
| 77) Bromobenzene | 11.195 | 156 | 59541 | 49.441 | ug/l | | 100 |
| 78) n-propylbenzene | 11.299 | 91 | 311660 | 51.673 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 191122 | 49.128 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 224812 | 51.877 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.012 | 75 | 27002 | 54.814 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 219638 | 50.910 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 222135 | 50.888 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 225740 | 51.438 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 280123 | 52.265 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 232168 | 52.479 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.963 | 146 | 109948 | 50.025 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 111425 | 49.641 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 210250 | 54.179 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 41404 | 53.122 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 112487 | 51.002 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 22183 | 55.085 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 66261 | 52.307 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 29675 | 53.637 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 242188 | 52.127 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 67021 | 51.275 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

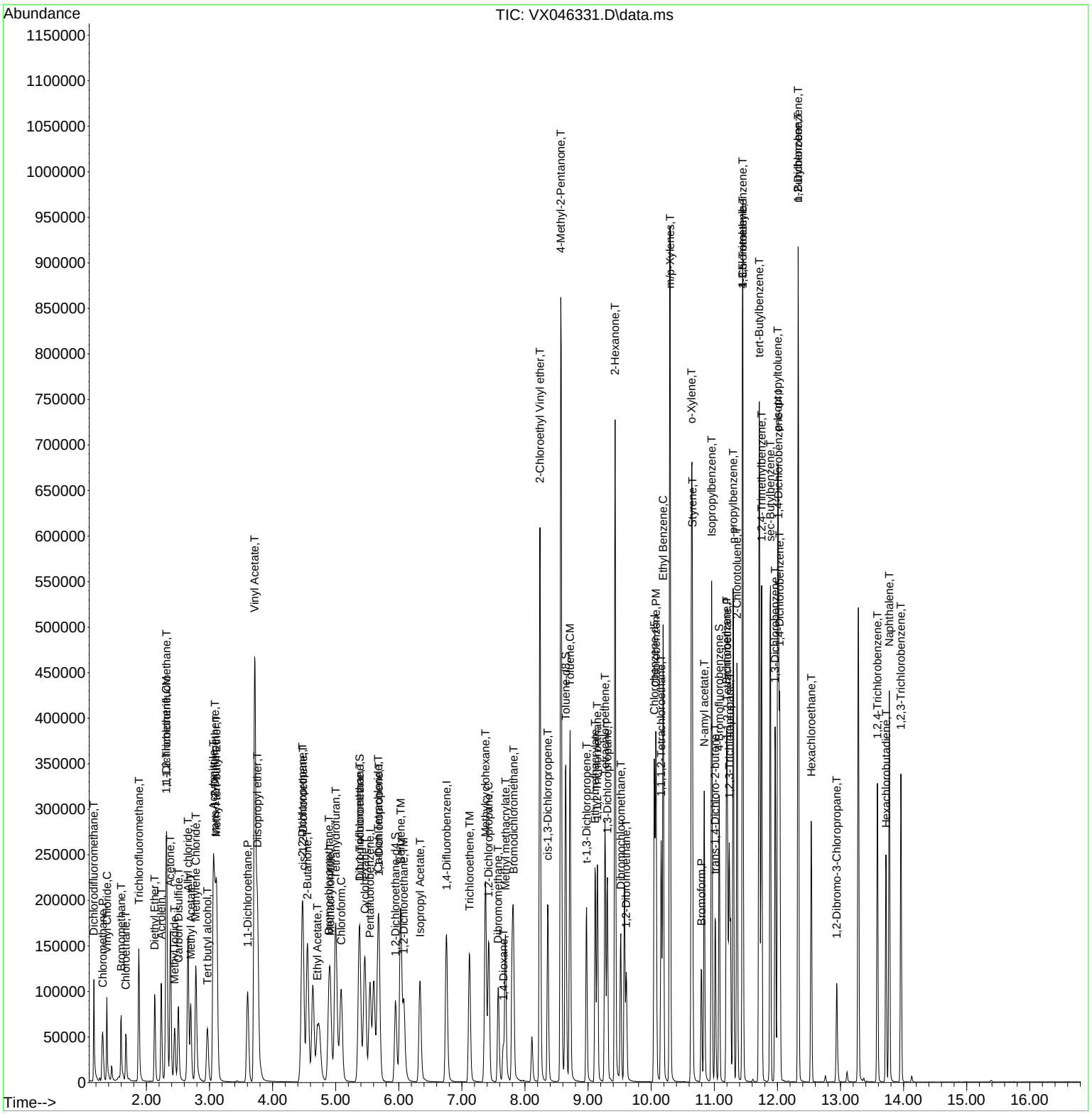
(#) = qualifier out of range (m) = manual integration (+) = signals summed

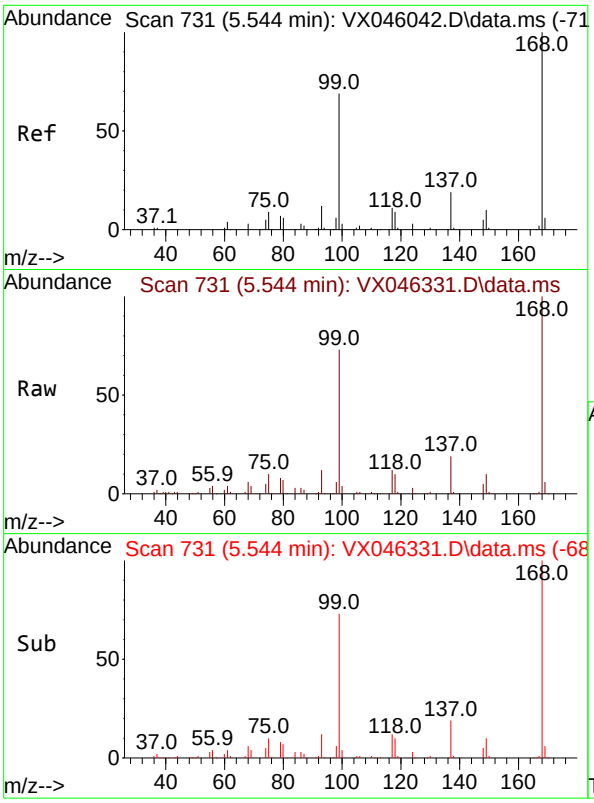
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



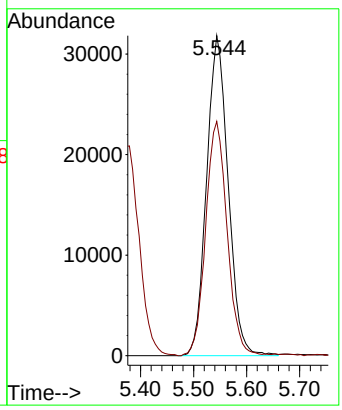


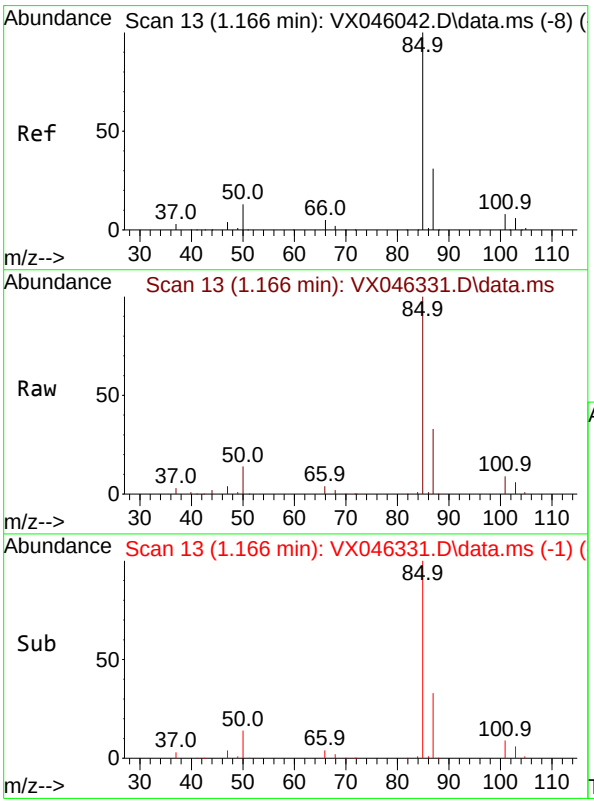

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 89943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 73.2 | 54.9 | 82.3 |

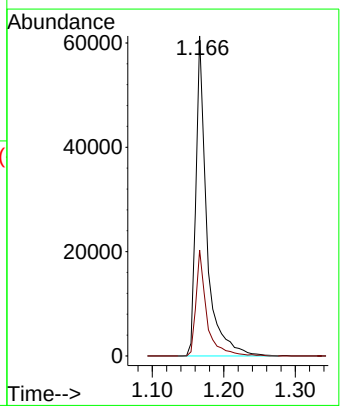


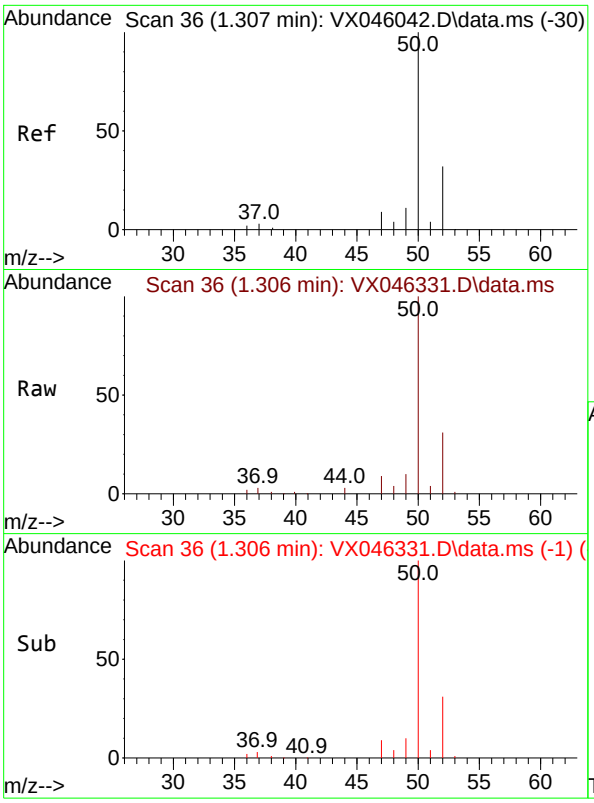




#2
Dichlorodifluoromethane
Concen: 46.886 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 85 Resp: 64545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.1 | 15.7 | 47.1 |



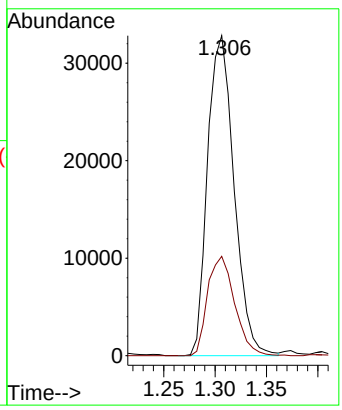


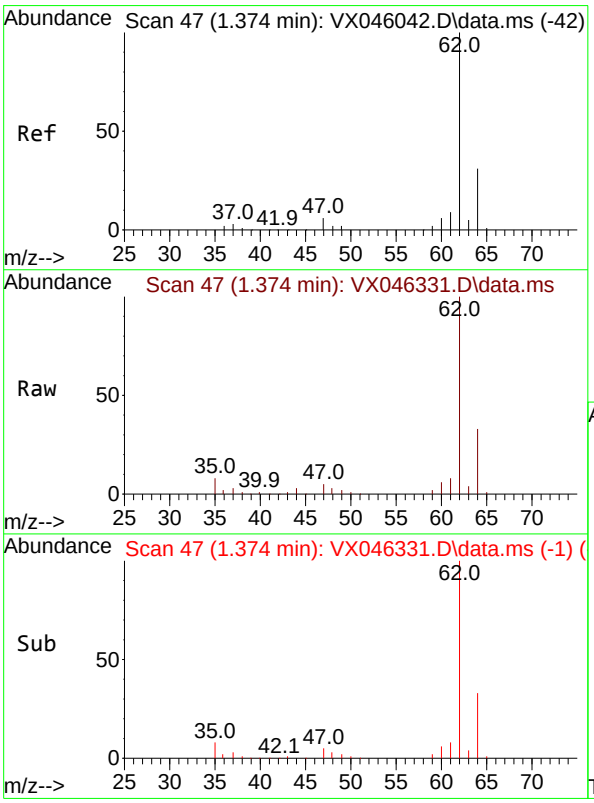

#3
Chloromethane
Concen: 44.072 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 58836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.0 | 25.4 | 38.2 |

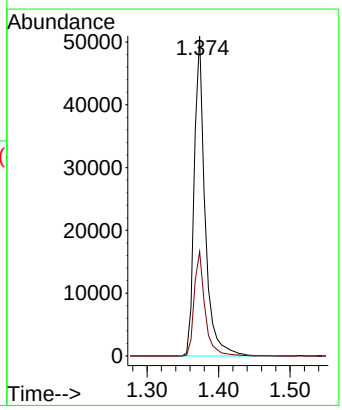


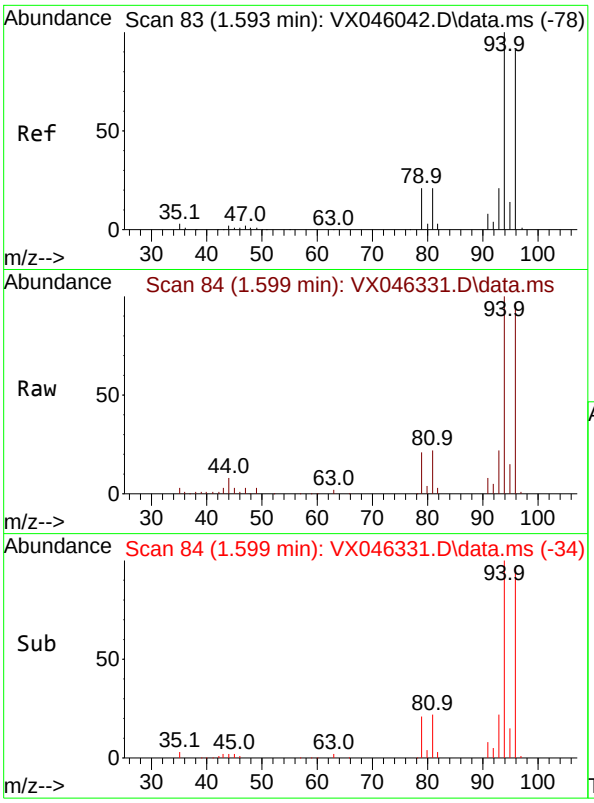




#4
Vinyl Chloride
Concen: 42.877 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 62 Resp: 53273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.6 | 25.2 | 37.8 |



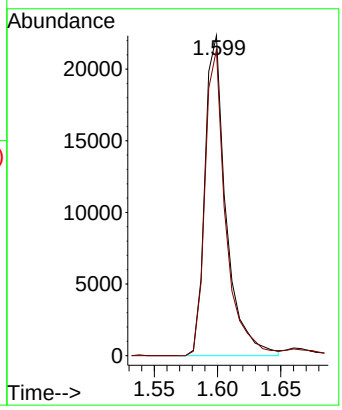


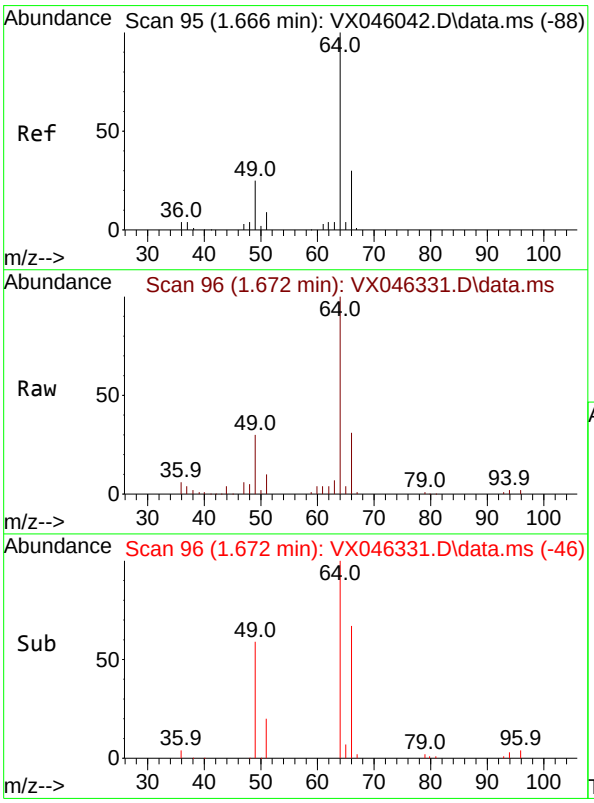

#5
Bromomethane
Concen: 45.004 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 25935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.6 | 72.8 | 109.2 |

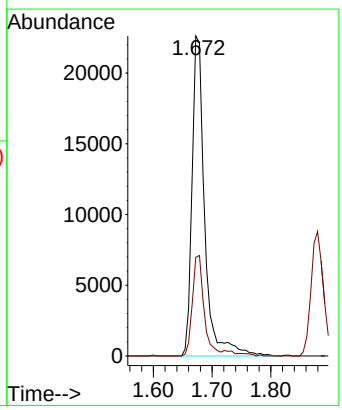


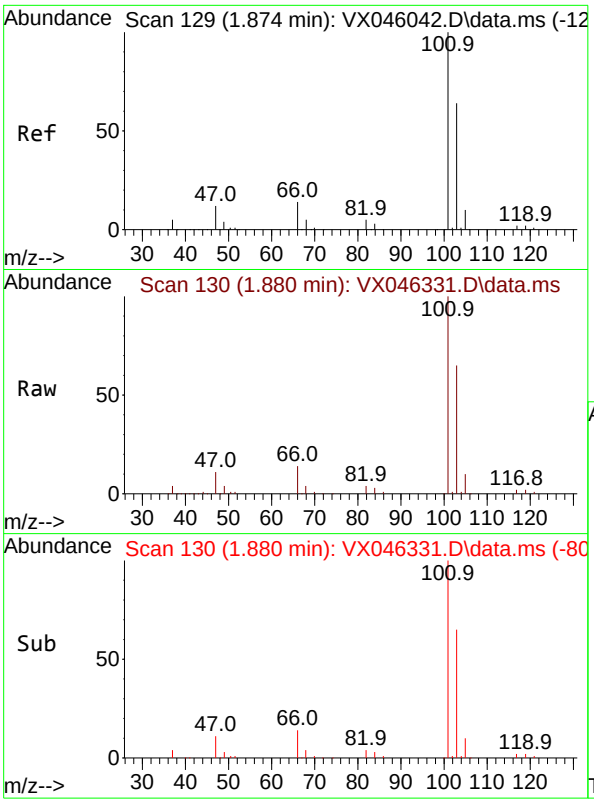




#6
Chloroethane
Concen: 51.230 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 64 Resp: 33980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.9 | 24.3 | 36.5 |



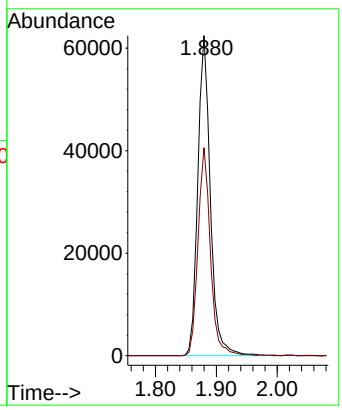


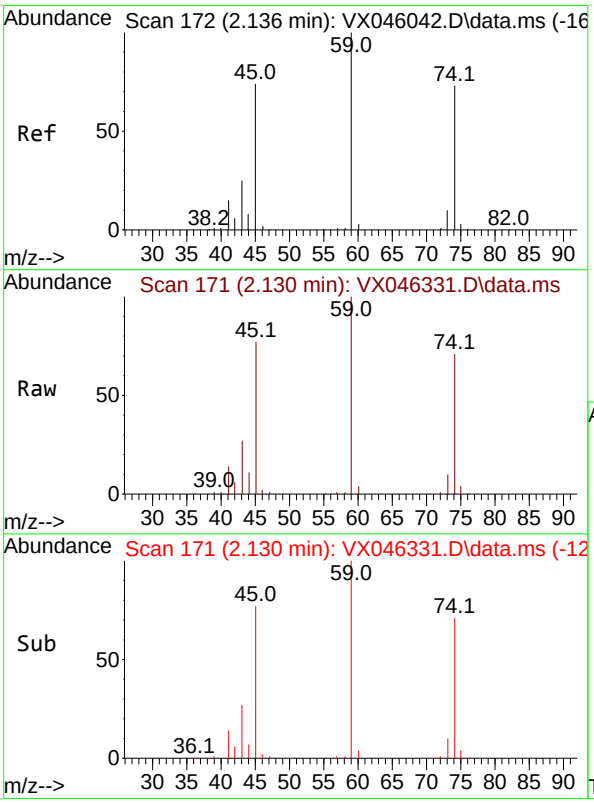

#7
Trichlorofluoromethane
Concen: 48.653 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 89339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.0 | 51.0 | 76.4 |

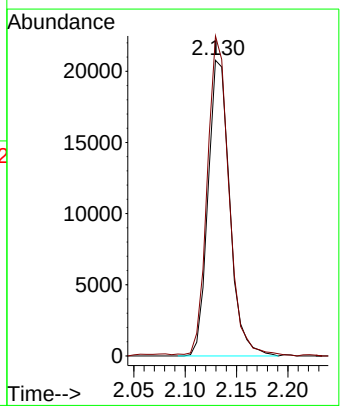


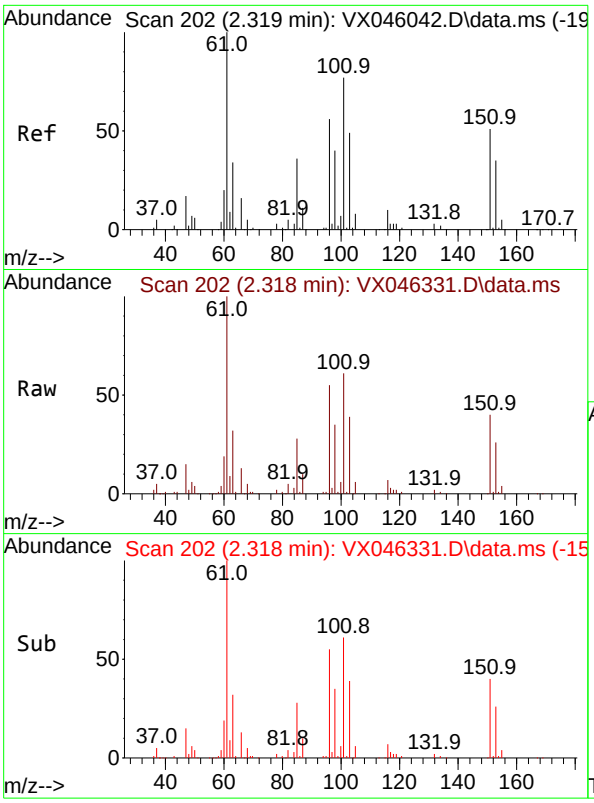




#8
Diethyl Ether
Concen: 48.706 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 74 Resp: 30446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 108.6 | 54.9 | 164.8 |



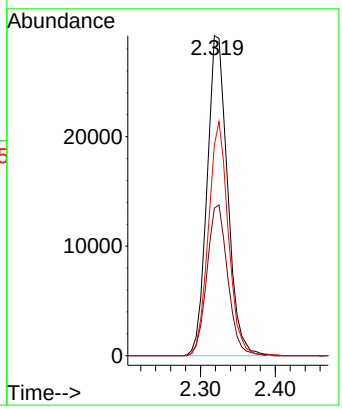


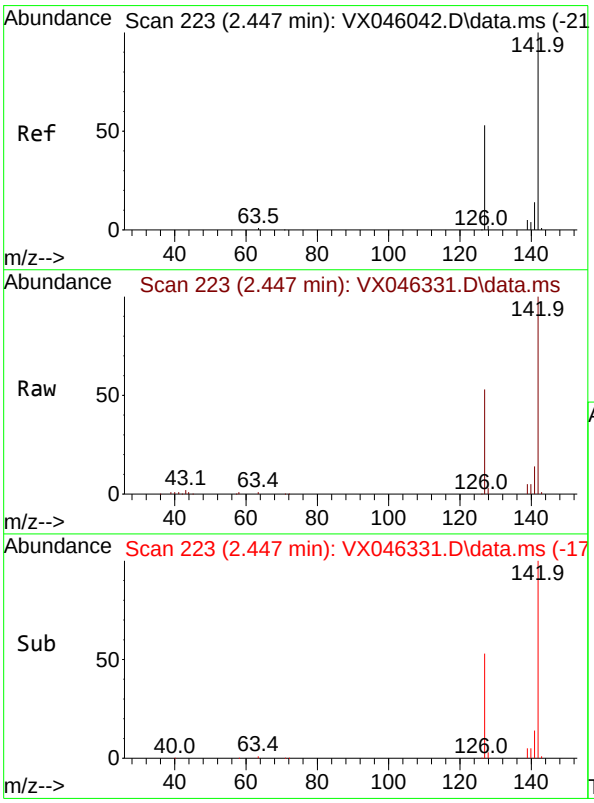

#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.939 ug/l
RT: 2.318 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 55612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.0 | 38.6 | 58.0 |
| 151 | 71.0 | 55.2 | 82.8 |

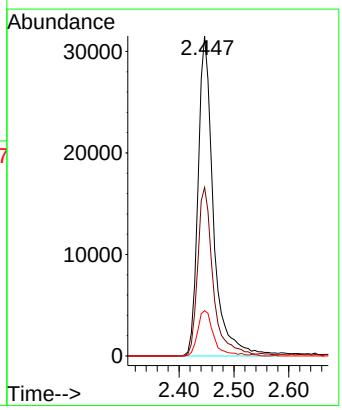


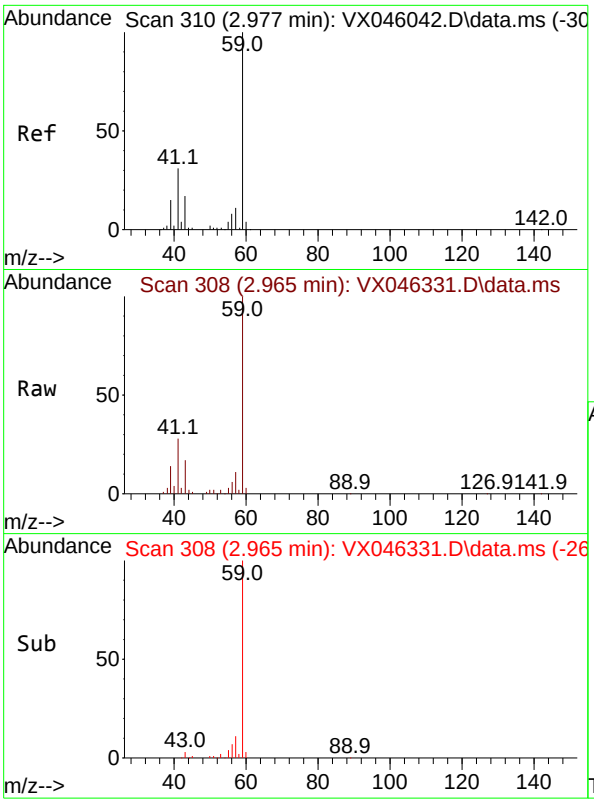




#10
Methyl Iodide
Concen: 45.758 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:142 Resp: 61527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.7 | 41.7 | 62.5 |
| 141 | 14.7 | 11.5 | 17.3 |



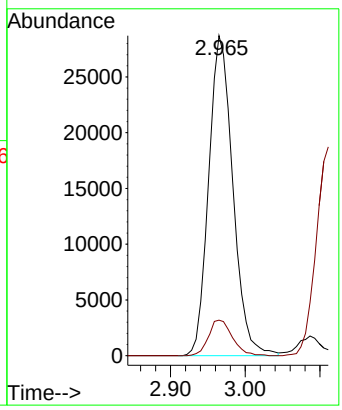


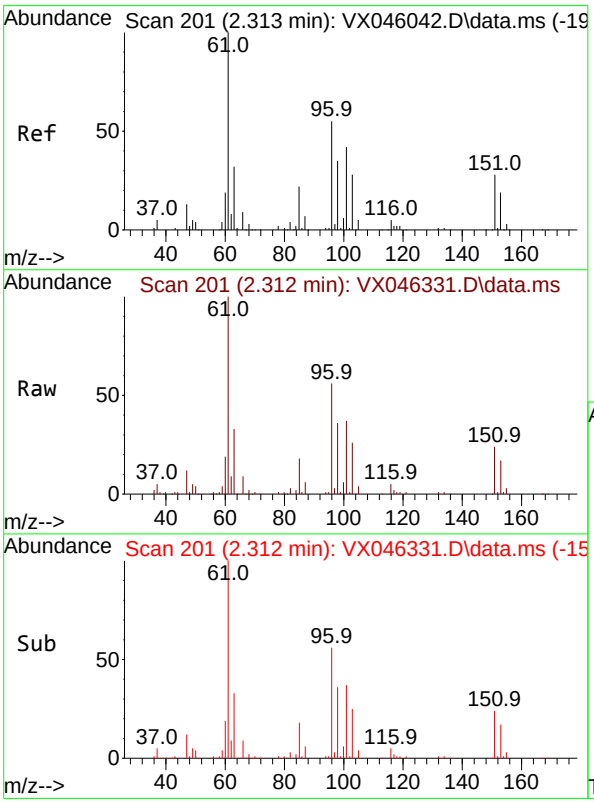

#11
Tert butyl alcohol
Concen: 274.166 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 64532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.0 | 8.6 | 12.8 |

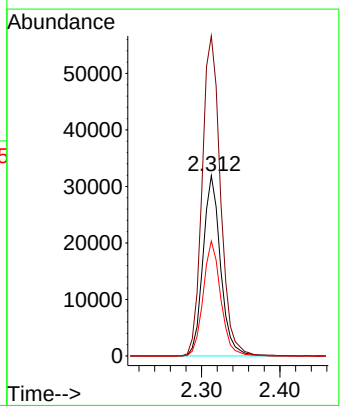


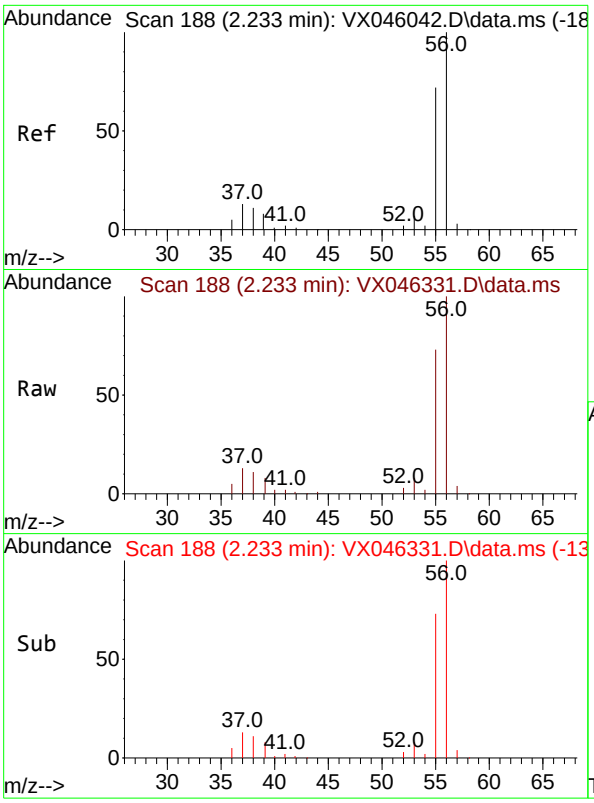




#12
1,1-Dichloroethene
Concen: 46.384 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 96 Resp: 49469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 177.5 | 146.2 | 219.2 |
| 98 | 63.7 | 51.0 | 76.6 |



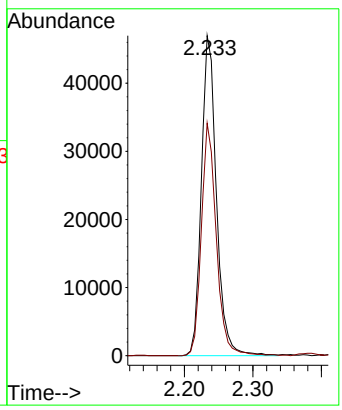


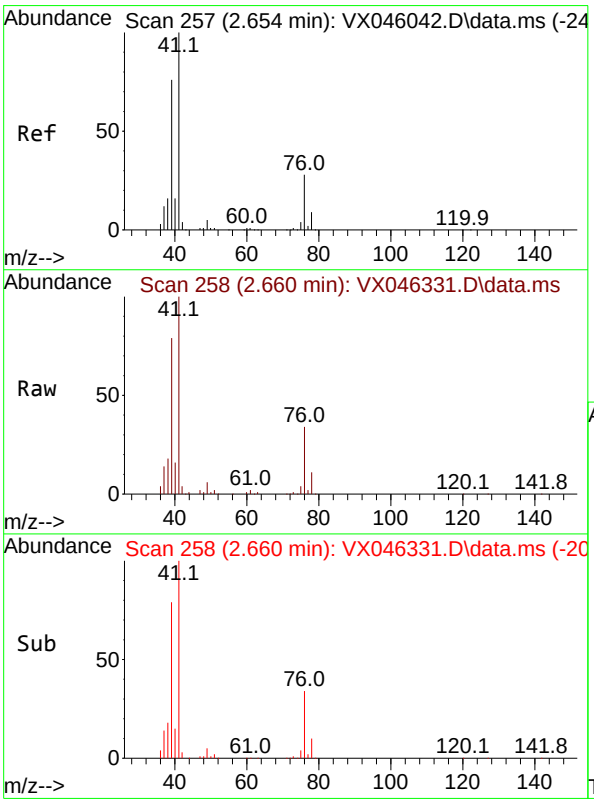

#13
Acrolein
Concen: 268.519 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 71978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.3 | 56.2 | 84.4 |

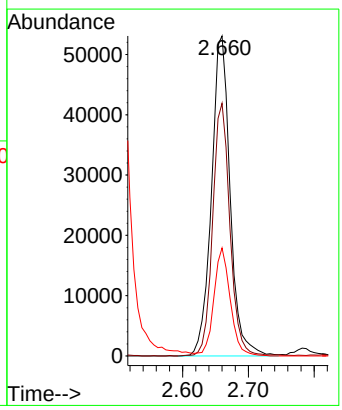


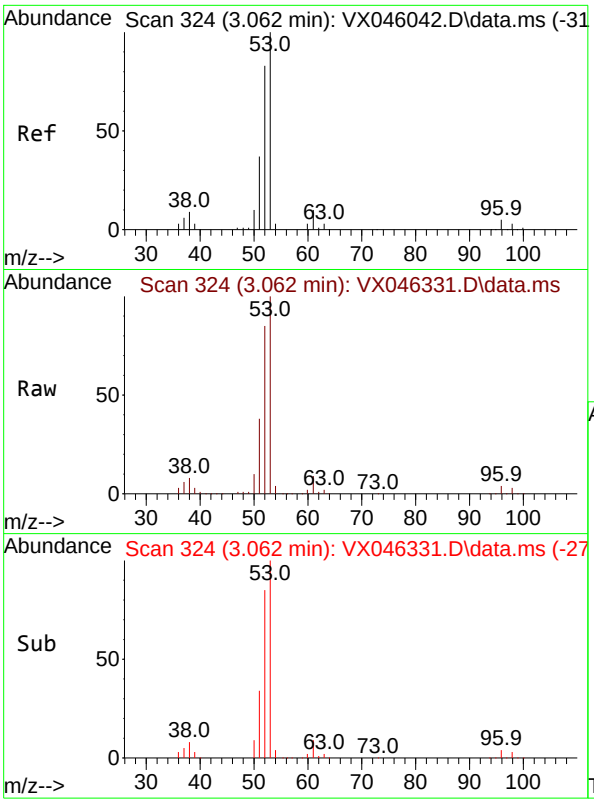




#14
Allyl chloride
Concen: 51.568 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 41 Resp: 105111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.7 | 60.6 | 90.8 |
| 76 | 29.7 | 24.9 | 37.3 |



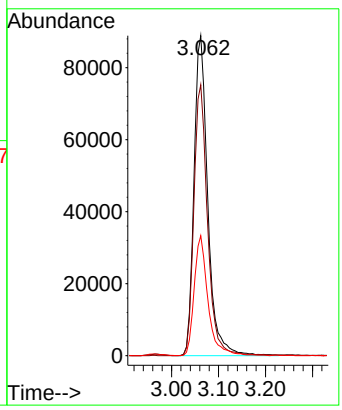


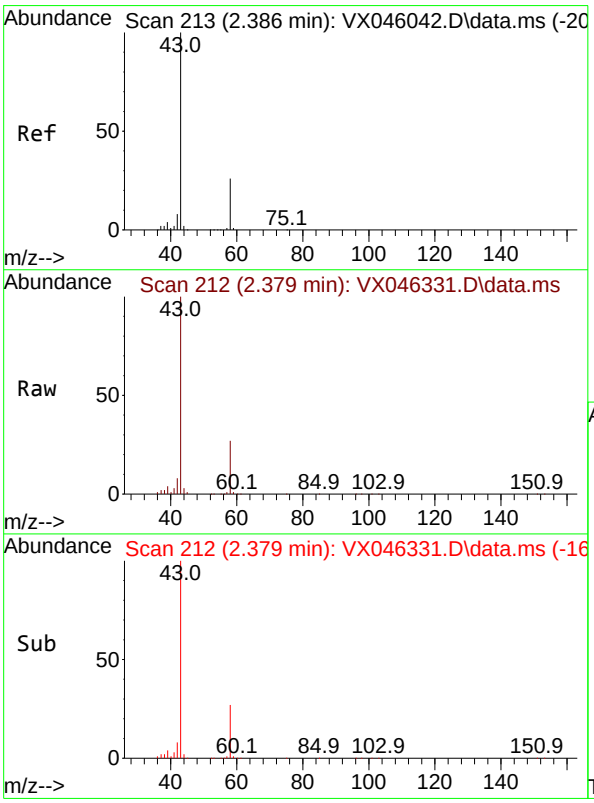

#15
Acrylonitrile
Concen: 270.194 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 181852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.1 | 65.3 | 97.9 |
| 51 | 37.3 | 29.8 | 44.8 |

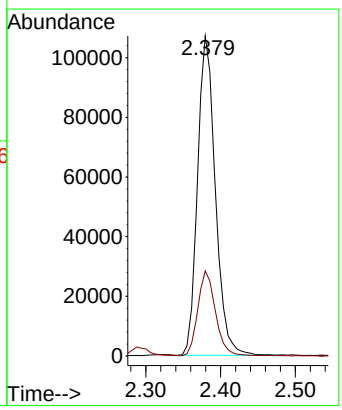


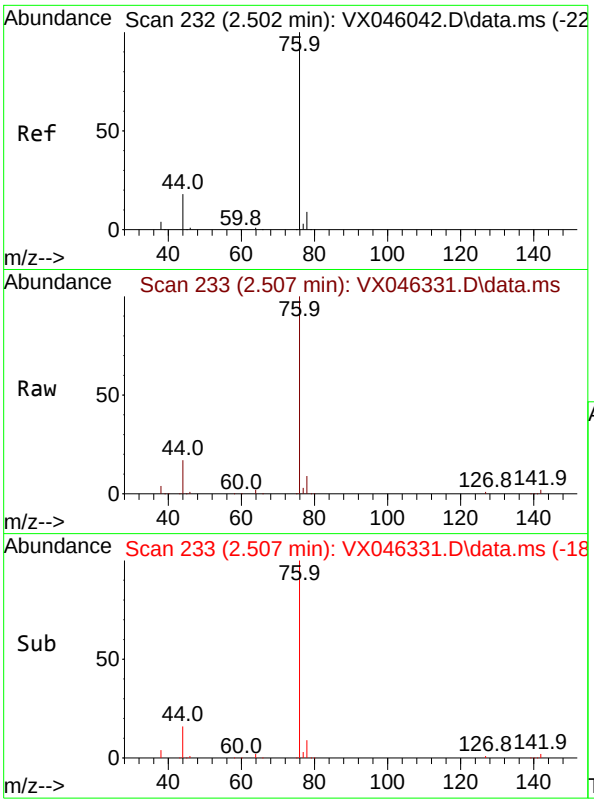




#16
Acetone
Concen: 263.114 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 176899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.6 | 21.2 | 31.8 |



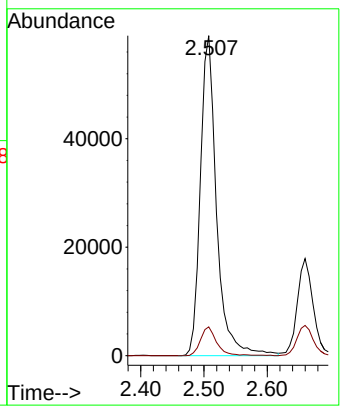


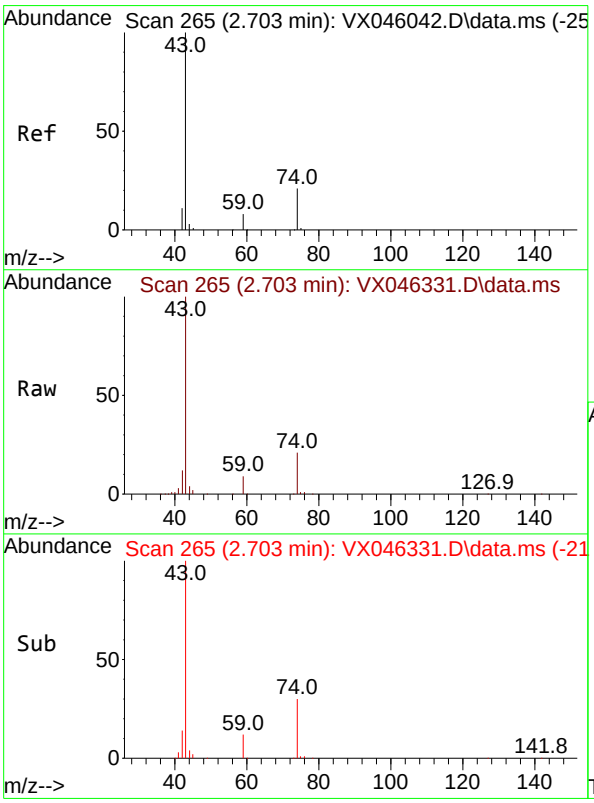

#17
Carbon Disulfide
Concen: 41.606 ug/l
RT: 2.507 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 105198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.0 | 10.4 |

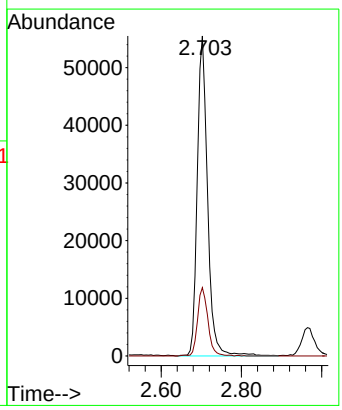


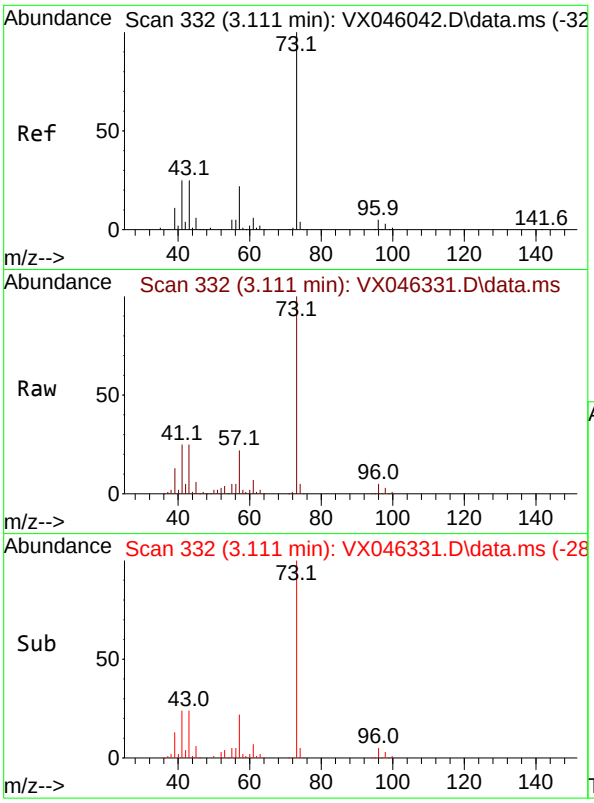




#18
Methyl Acetate
Concen: 63.388 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 98895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.4 | 16.7 | 25.1 |



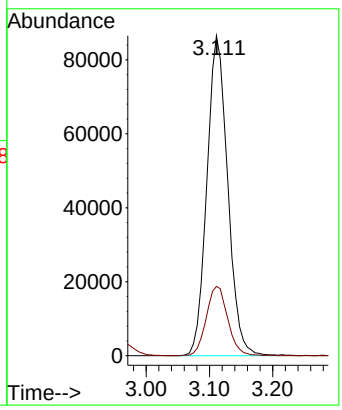


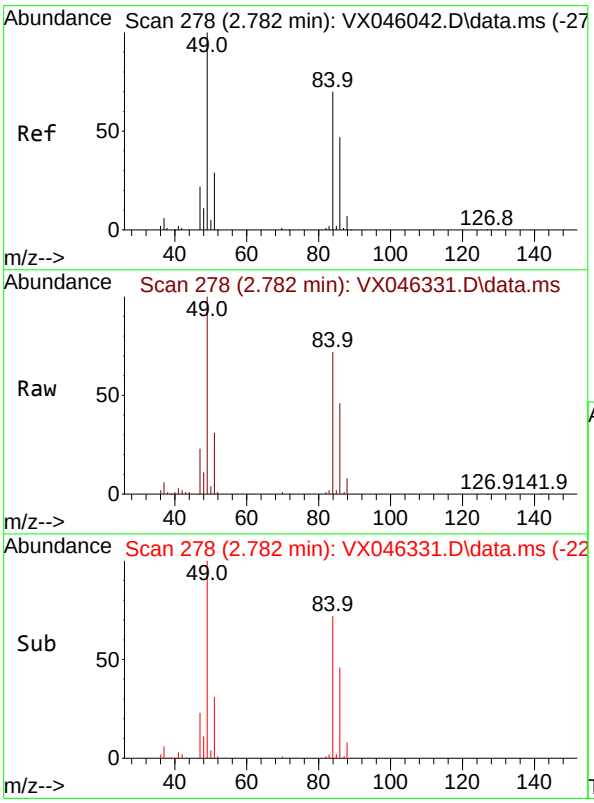

#19
Methyl tert-butyl Ether
Concen: 52.851 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 197614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.7 | 17.7 | 26.5 |

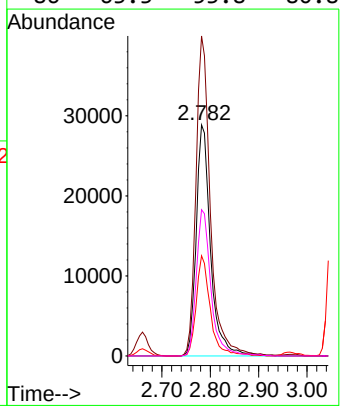


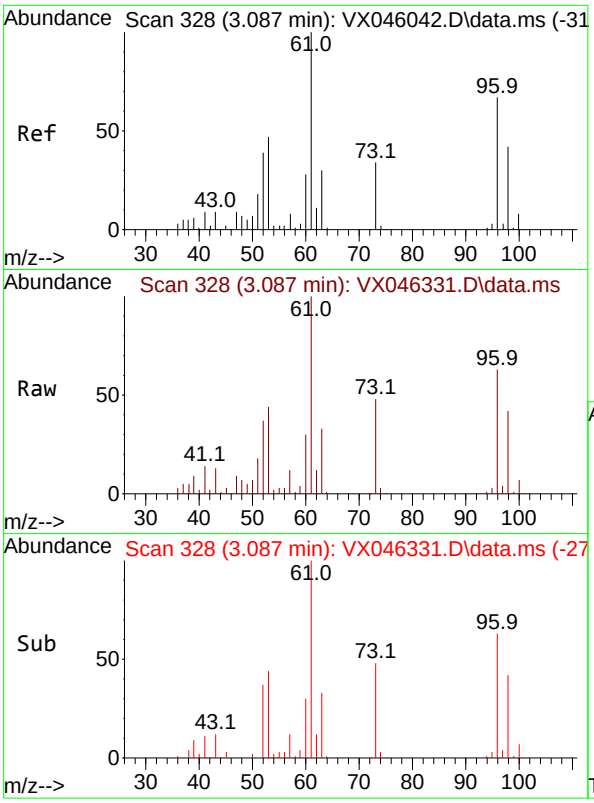




#20
Methylene Chloride
Concen: 46.299 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 84 Resp: 59651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 138.5 | 113.9 | 170.9 |
| 51 | 43.3 | 33.5 | 50.3 |
| 86 | 63.3 | 53.8 | 80.8 |



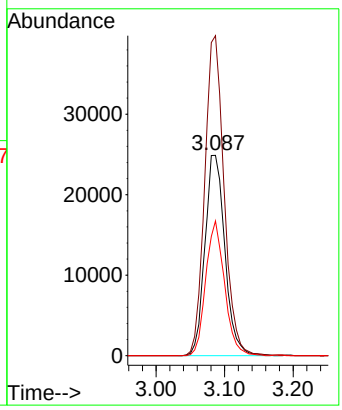


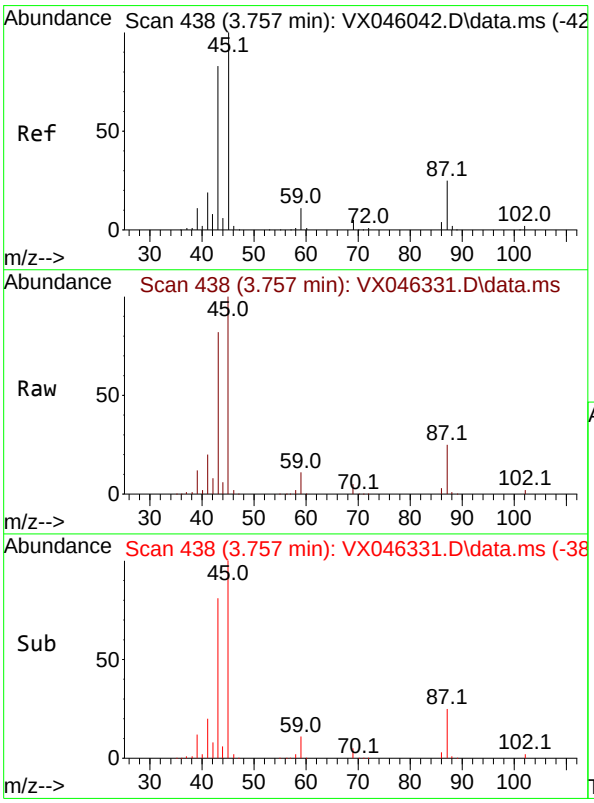

#21
trans-1,2-Dichloroethene
Concen: 47.000 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 50409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.7 | 119.5 | 179.3 |
| 98 | 67.3 | 50.0 | 75.0 |

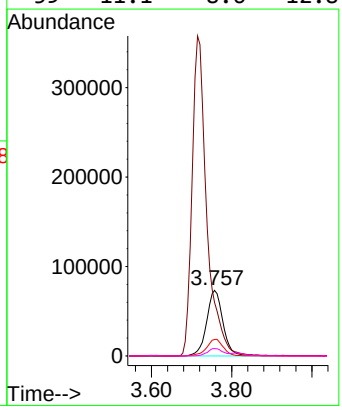


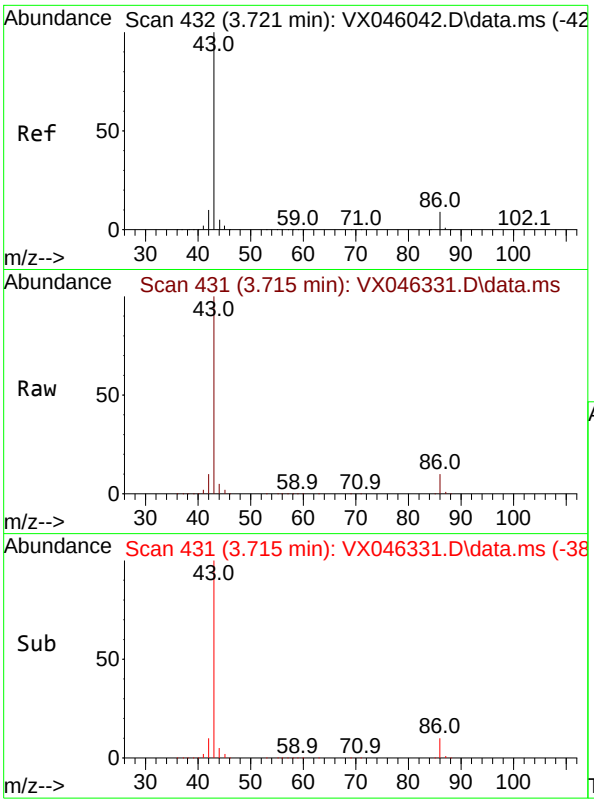




#22
Diisopropyl ether
Concen: 52.704 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 45 Resp: 207508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 81.5 | 66.6 | 100.0 |
| 87 | 25.1 | 19.8 | 29.6 |
| 59 | 11.1 | 8.6 | 12.8 |



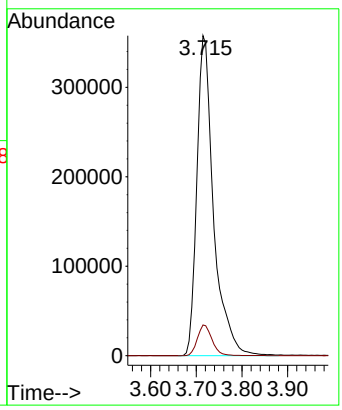


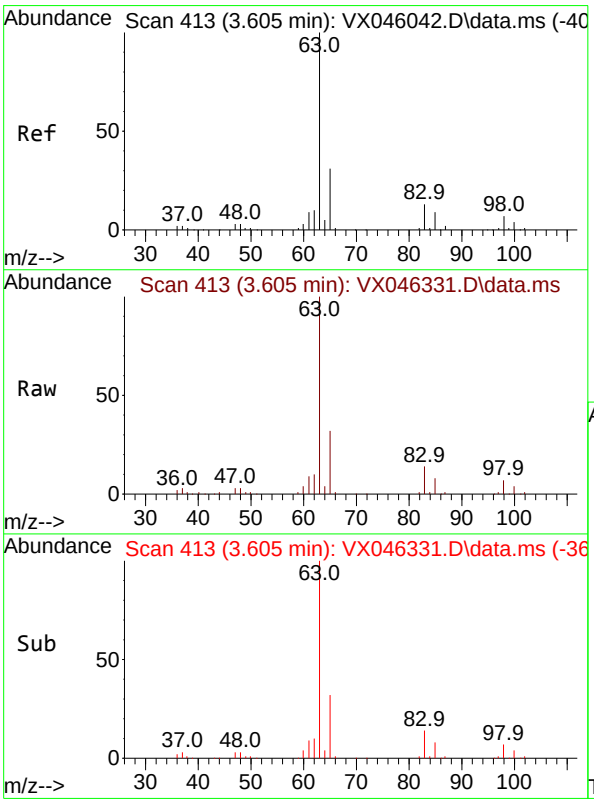

#23
Vinyl Acetate
Concen: 263.054 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 910937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.6 | 7.5 | 11.3 |

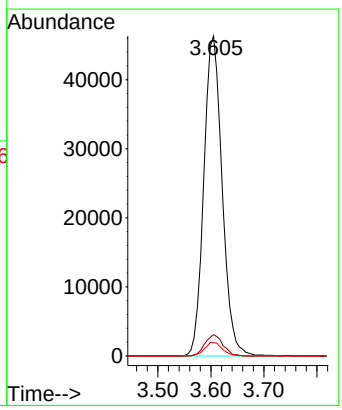


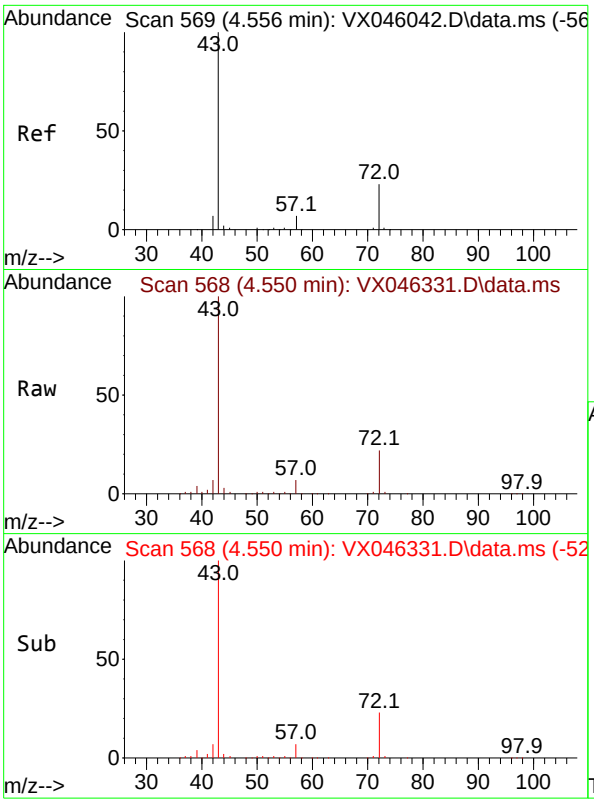




#24
1,1-Dichloroethane
Concen: 50.826 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 63 Resp: 111459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.6 | 3.6 | 10.8 |
| 100 | 4.1 | 2.1 | 6.3 |



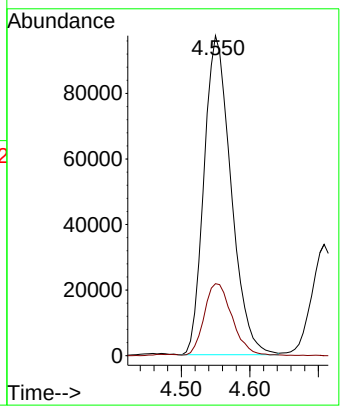


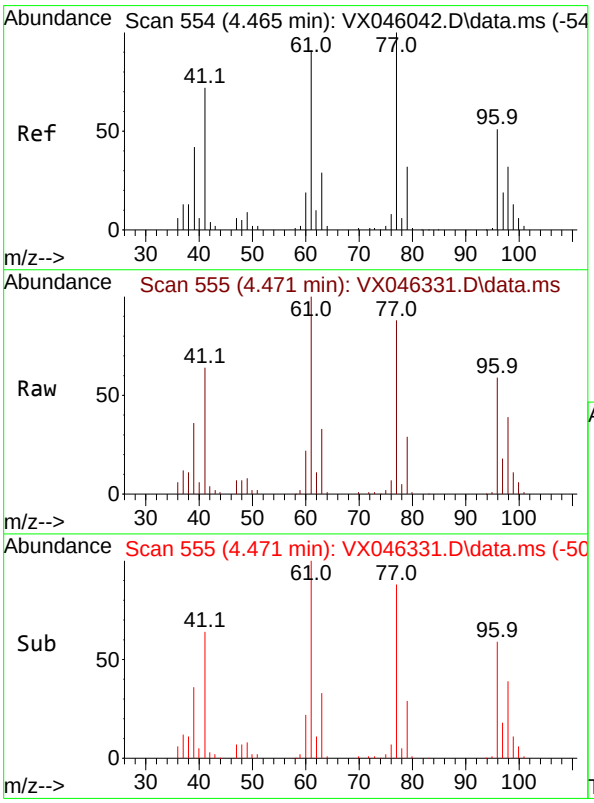

#25
2-Butanone
Concen: 272.843 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 266316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.3 | 18.4 | 27.6 |

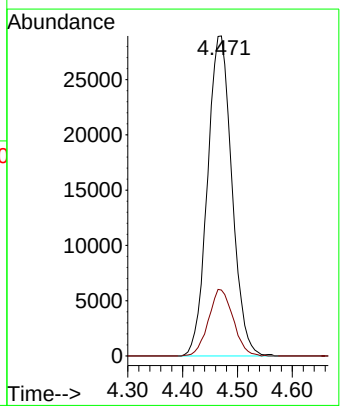


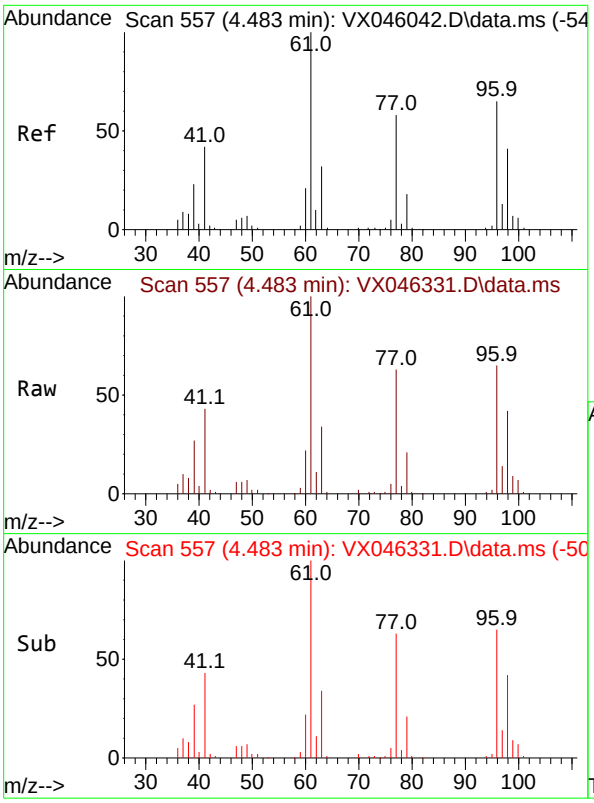




#26
2,2-Dichloropropane
Concen: 52.155 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 77 Resp: 89521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.0 | 10.5 | 31.5 |



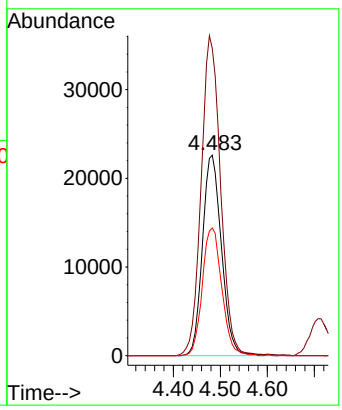


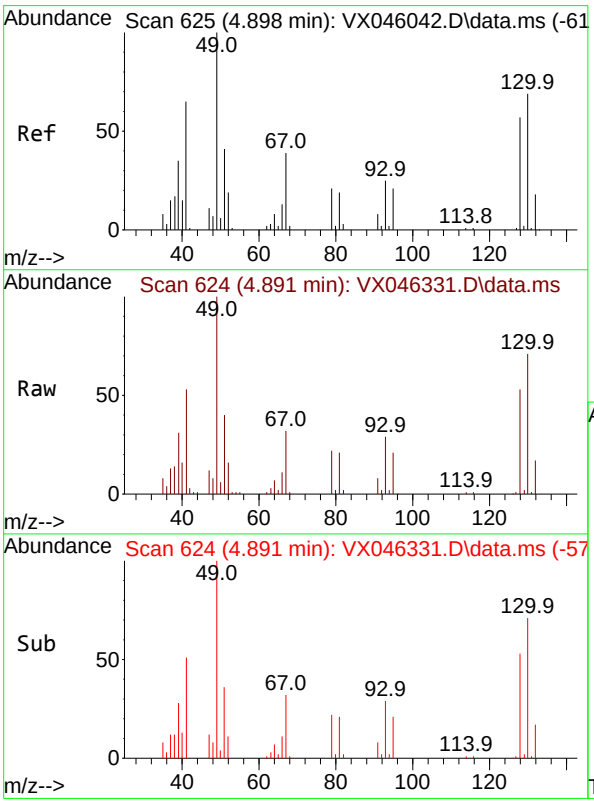

#27
cis-1,2-Dichloroethene
Concen: 49.159 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 63472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.9 | 0.0 | 322.8 |
| 98 | 65.1 | 0.0 | 129.0 |

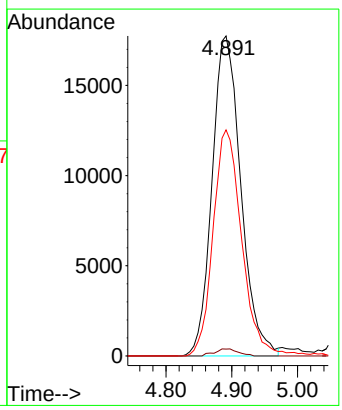


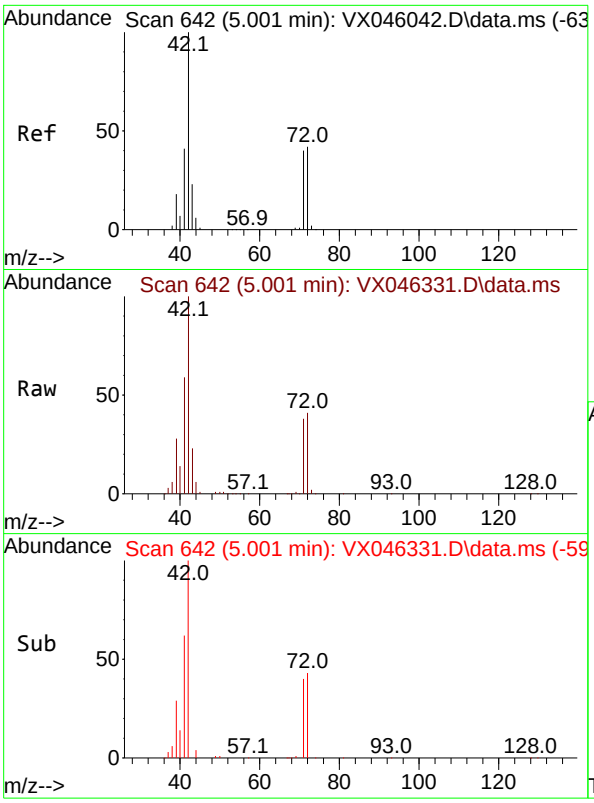




#28
Bromochloromethane
Concen: 51.292 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 49 Resp: 54142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 4.0 |
| 130 | 70.2 | 56.2 | 84.2 |



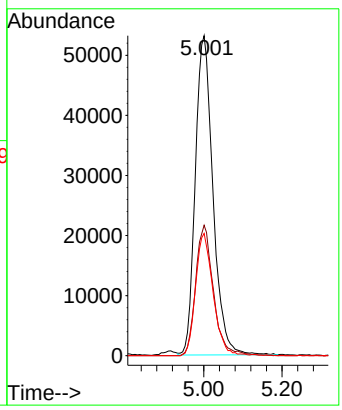


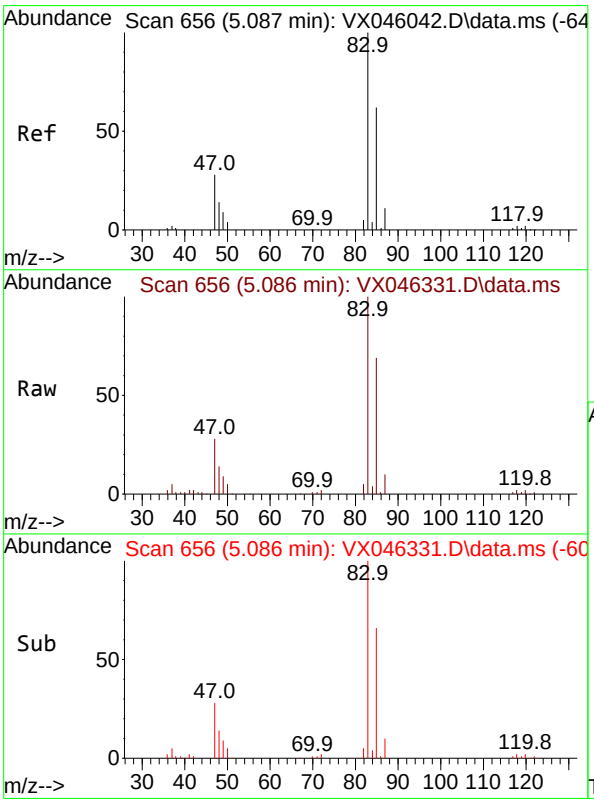

#29
Tetrahydrofuran
Concen: 272.575 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 166716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.2 | 33.7 | 50.5 |
| 71 | 37.9 | 31.4 | 47.2 |

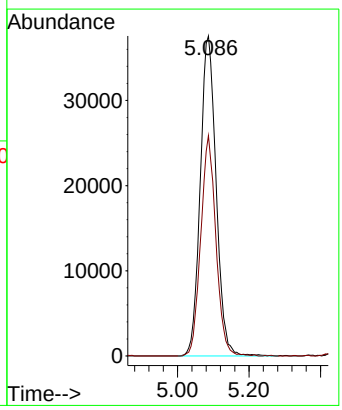


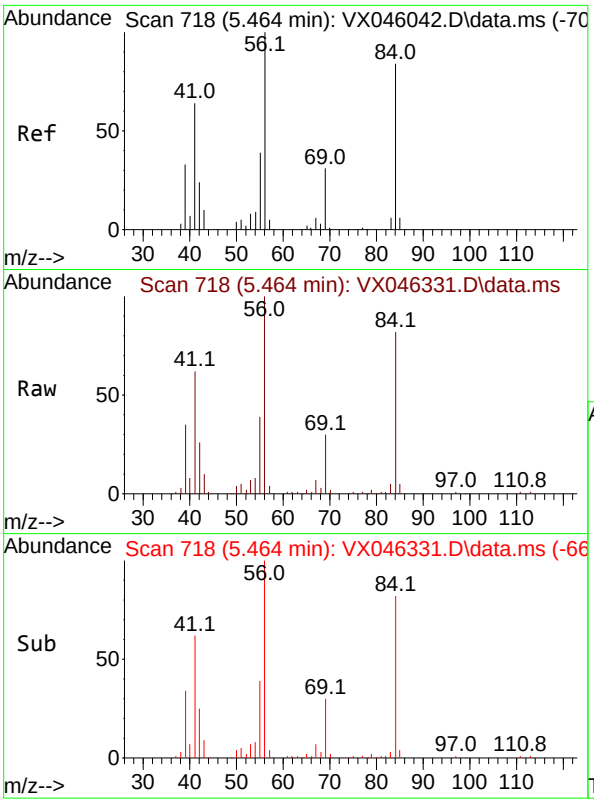




#30
Chloroform
Concen: 50.618 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 83 Resp: 115698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.9 | 49.3 | 73.9 |



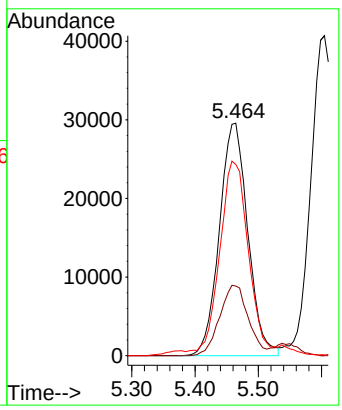


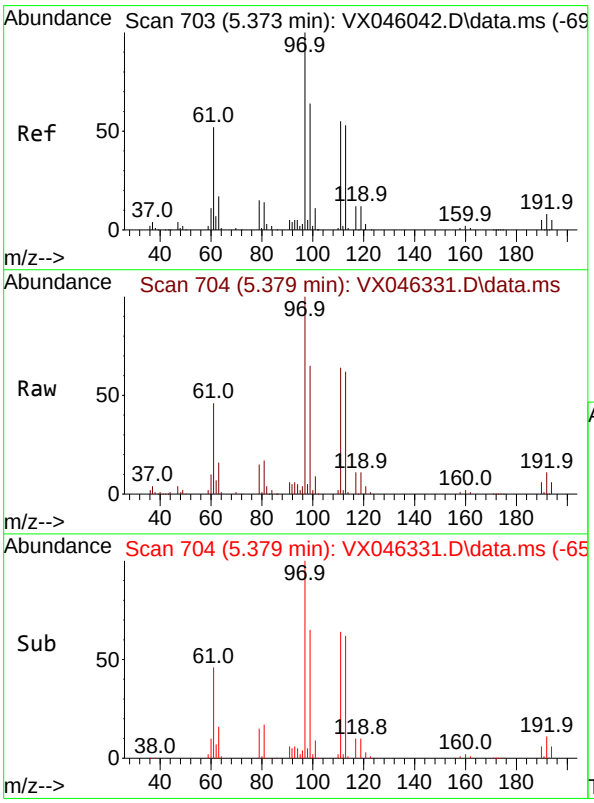

#31
Cyclohexane
Concen: 46.166 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 92255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.0 | 24.4 | 36.6 |
| 84 | 80.1 | 66.9 | 100.3 |

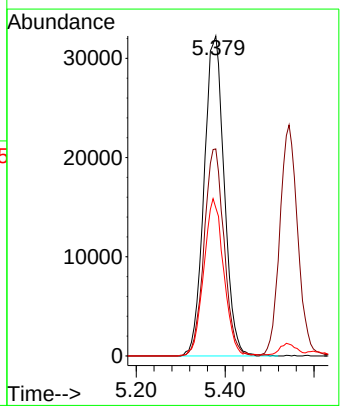


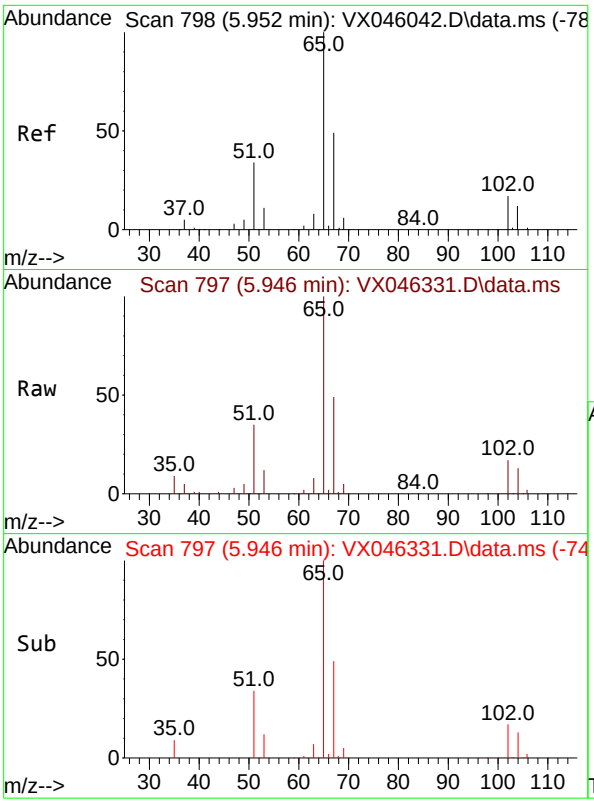




#32
1,1,1-Trichloroethane
Concen: 51.206 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 97 Resp: 101459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 51.8 | 77.6 |
| 61 | 49.1 | 40.1 | 60.1 |



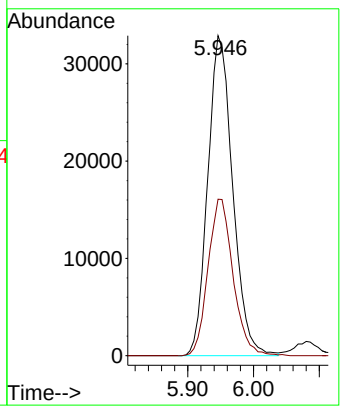


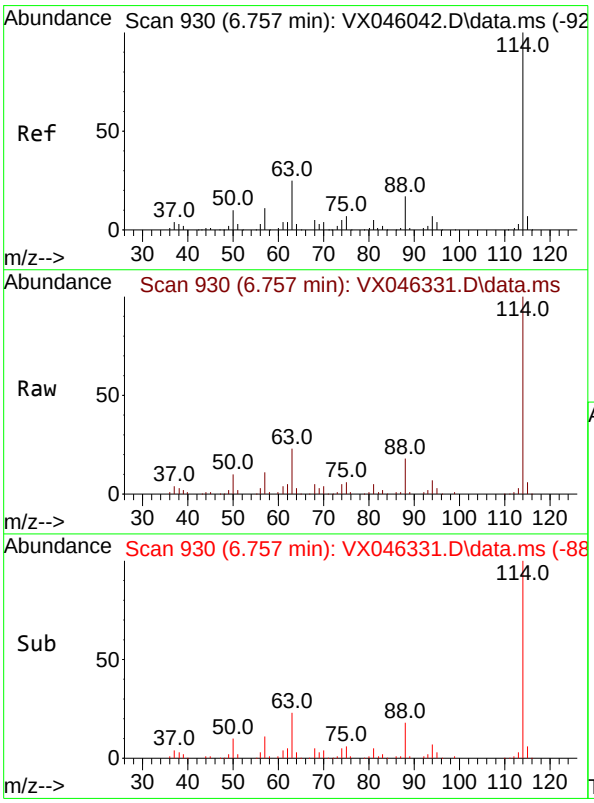

#33
1,2-Dichloroethane-d4
Concen: 51.802 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 86863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.1 | 0.0 | 99.0 |

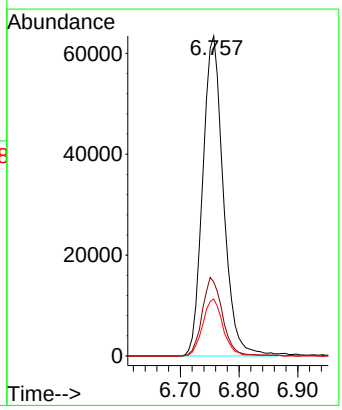


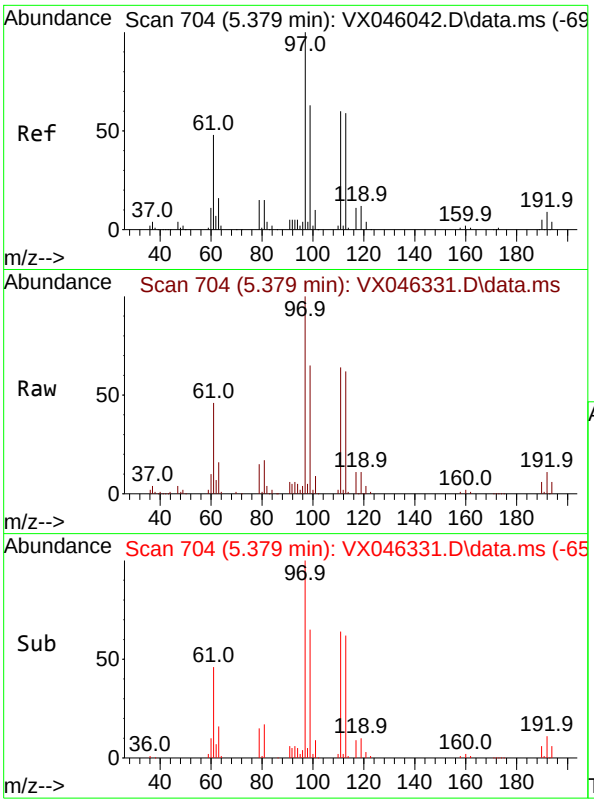




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:114 Resp: 154938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.1 | 0.0 | 49.2 |
| 88 | 17.8 | 0.0 | 33.6 |



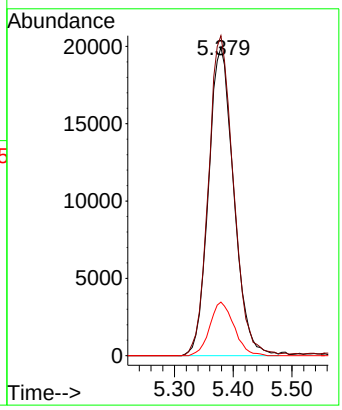


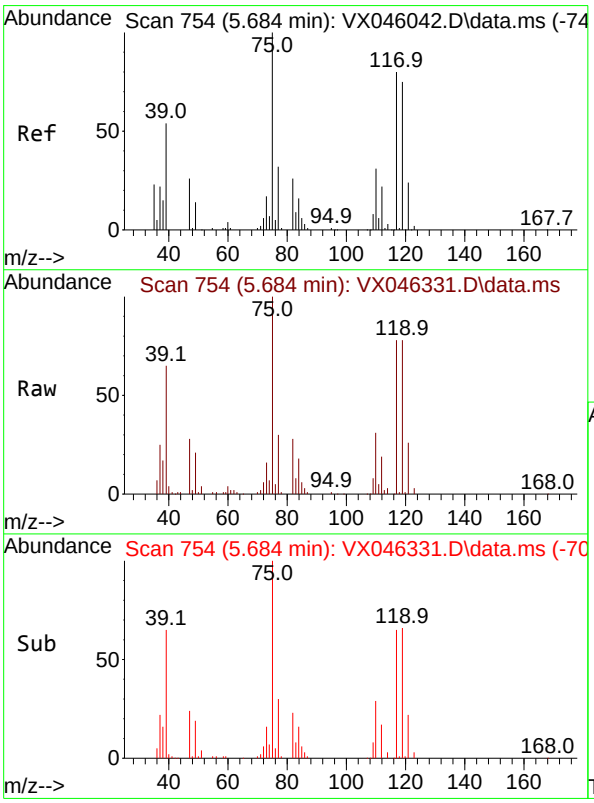

#35
Dibromofluoromethane
Concen: 53.265 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 59429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.2 | 83.1 | 124.7 |
| 192 | 16.7 | 13.3 | 19.9 |

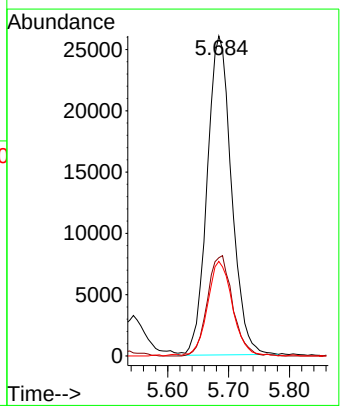


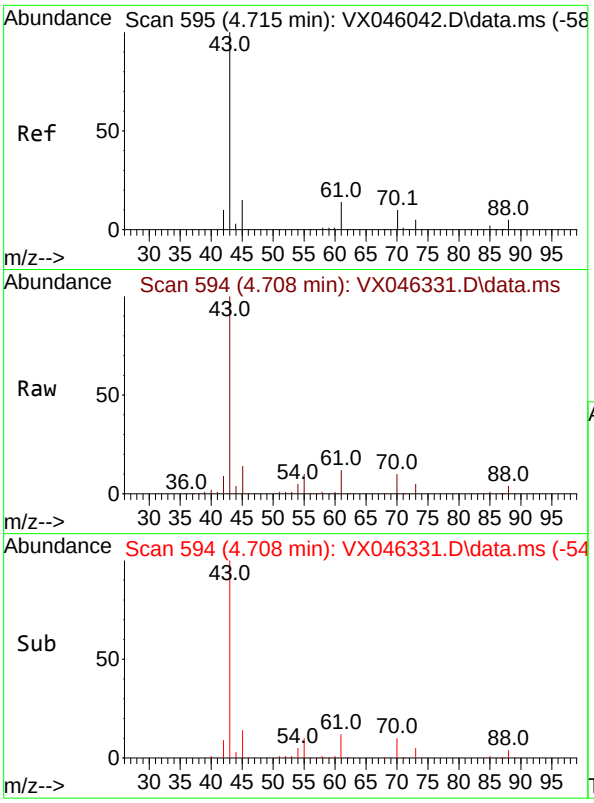




#36
1,1-Dichloropropene
Concen: 48.349 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 72479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.3 | 16.3 | 48.9 |
| 77 | 30.3 | 24.3 | 36.5 |



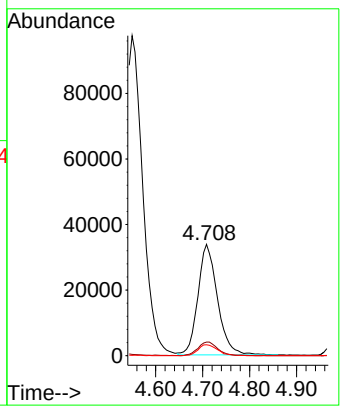


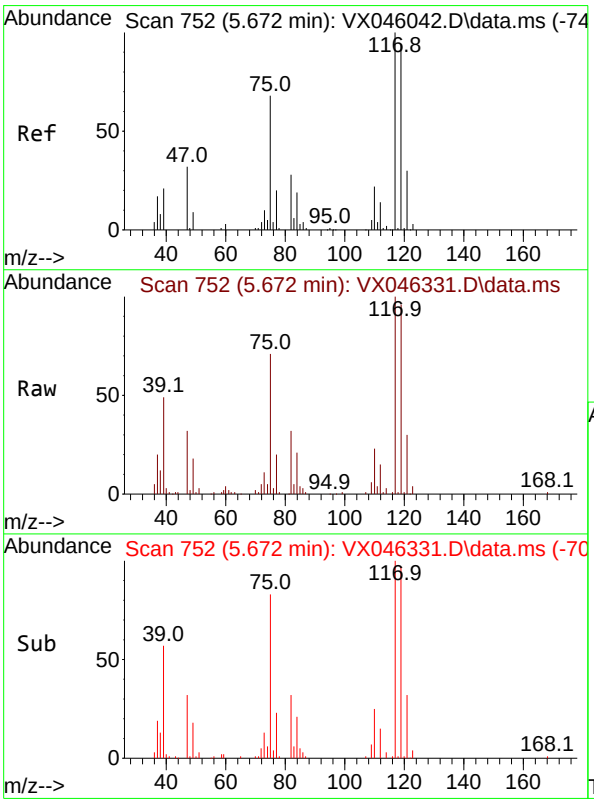

#37
Ethyl Acetate
Concen: 52.723 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 97648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.5 | 10.3 | 15.5 |
| 70 | 9.9 | 7.9 | 11.9 |

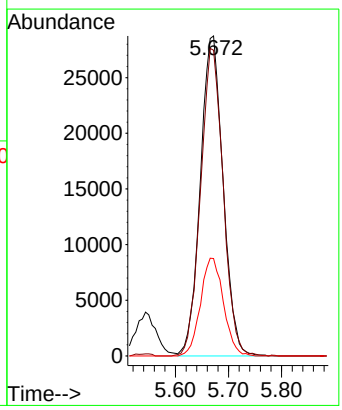


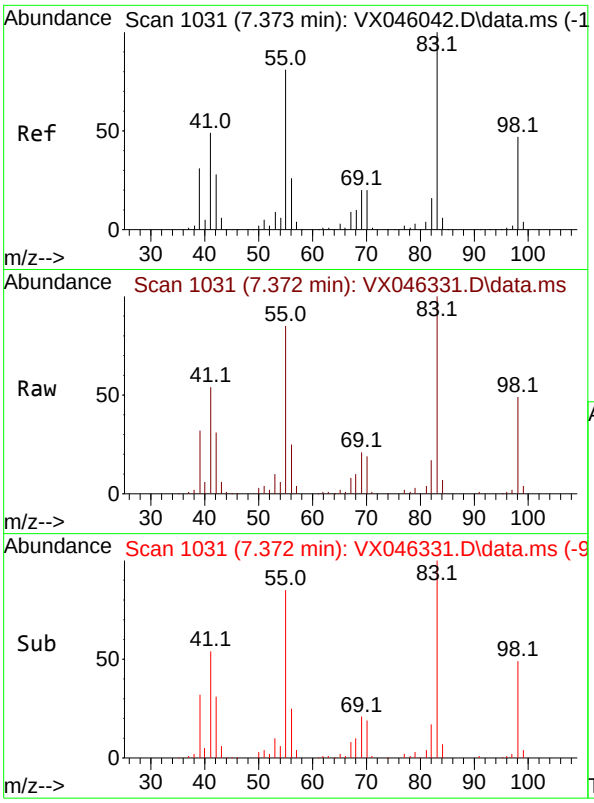




#38
Carbon Tetrachloride
Concen: 50.709 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:117 Resp: 85412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 75.2 | 112.8 |
| 121 | 30.4 | 24.2 | 36.4 |



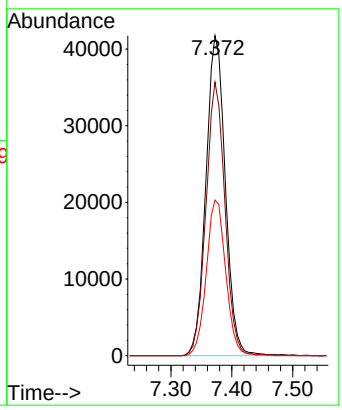


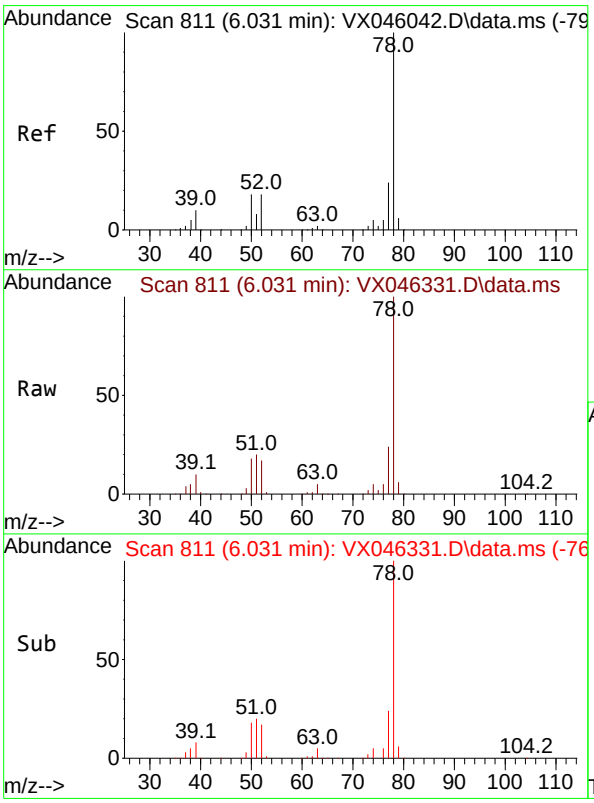

#39
Methylcyclohexane
Concen: 47.954 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 92549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 85.5 | 64.7 | 97.1 |
| 98 | 48.7 | 37.4 | 56.2 |

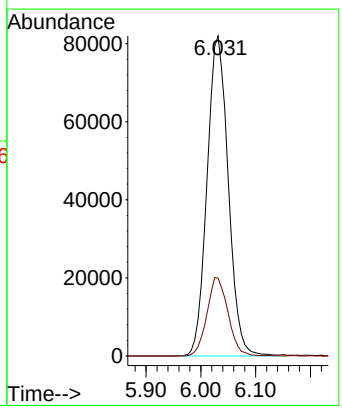


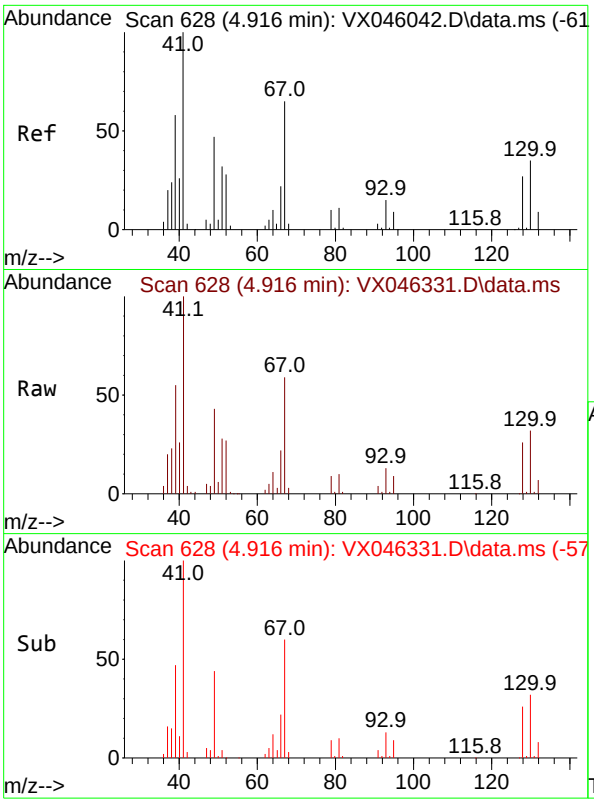




#40
Benzene
Concen: 50.133 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 78 Resp: 220133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.4 | 19.0 | 28.4 |



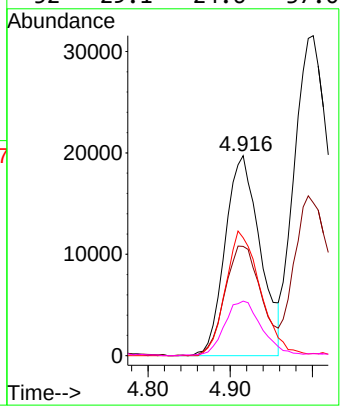


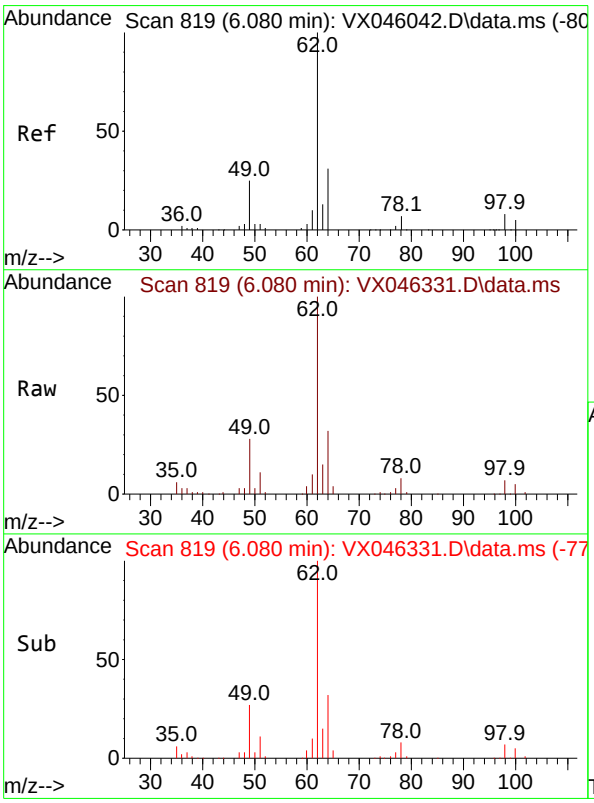

#41
Methacrylonitrile
Concen: 60.322 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 58444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.4 | 47.2 | 70.8 |
| 67 | 62.0 | 50.7 | 76.1 |
| 52 | 29.1 | 24.6 | 37.0 |

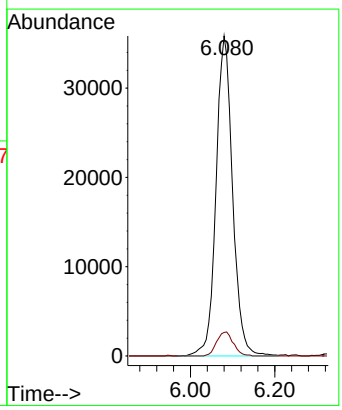


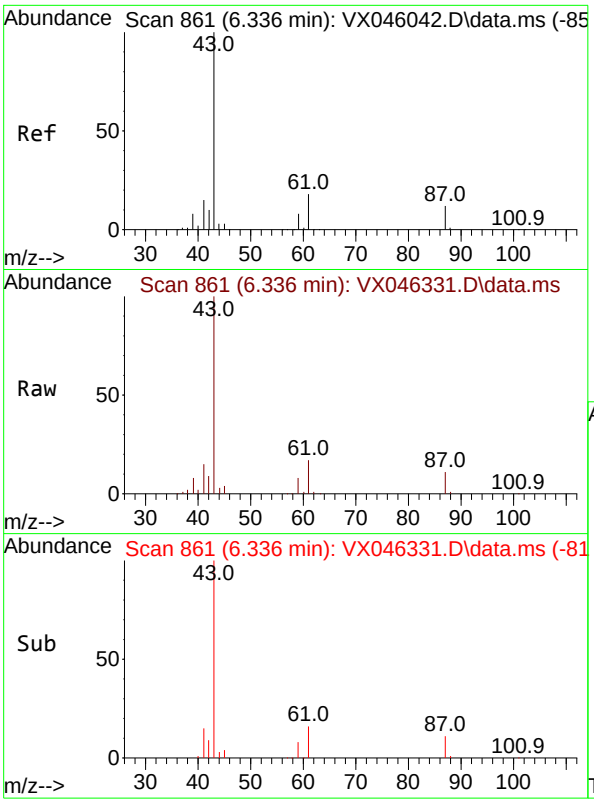




#42
1,2-Dichloroethane
Concen: 51.375 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 62 Resp: 97361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.6 | 0.0 | 15.2 |



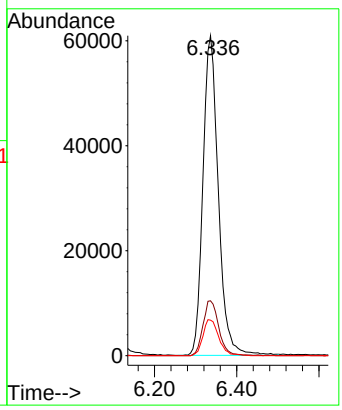


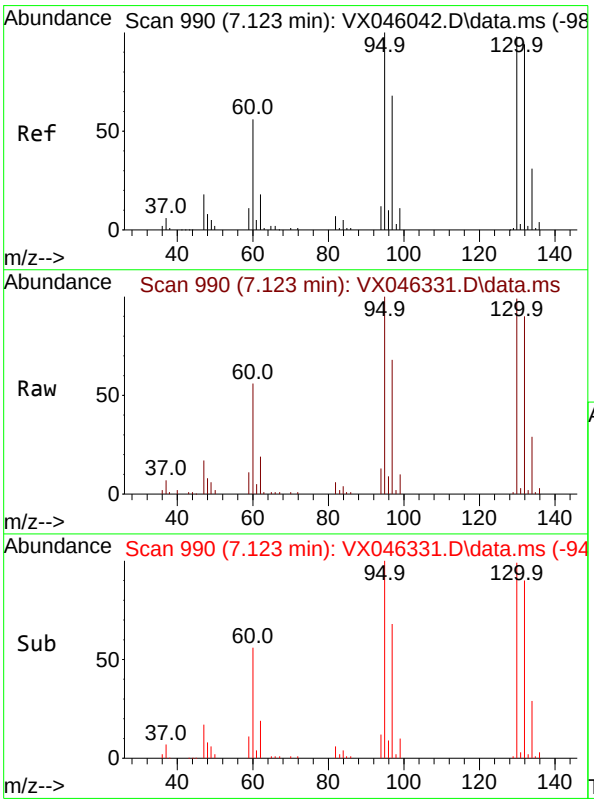

#43
Isopropyl Acetate
Concen: 55.999 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 158225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.6 | 14.3 | 21.5 |
| 87 | 11.6 | 9.5 | 14.3 |

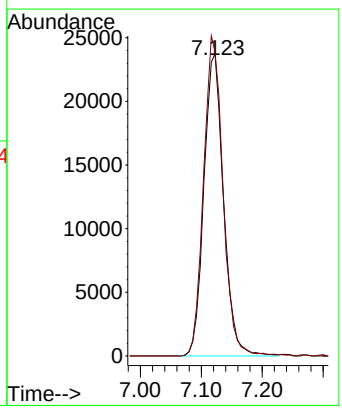


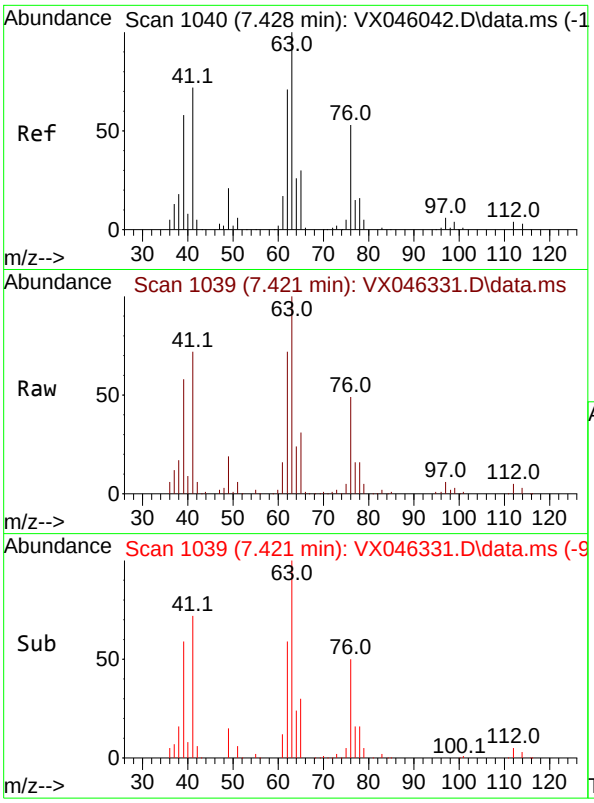




#44
Trichloroethene
Concen: 50.279 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:130 Resp: 53136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.8 | 0.0 | 204.2 |



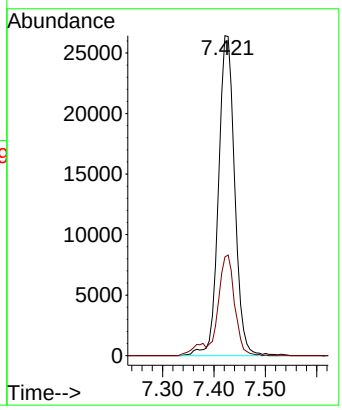


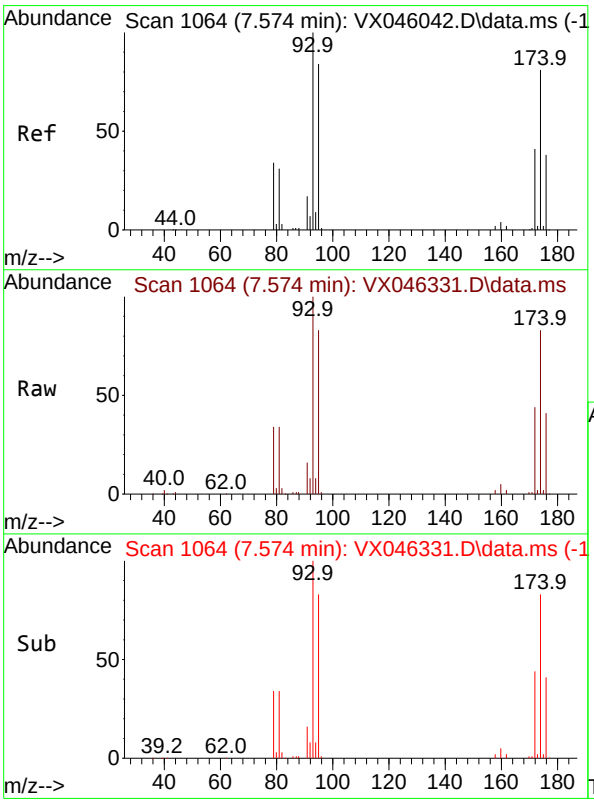

#45
1,2-Dichloropropane
Concen: 53.136 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 58016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 24.1 | 36.1 |

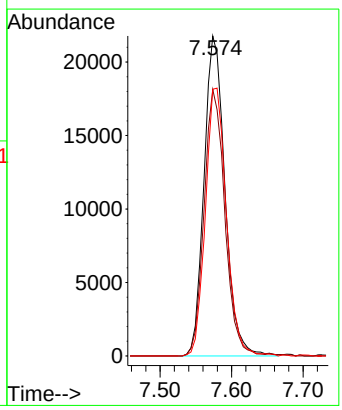


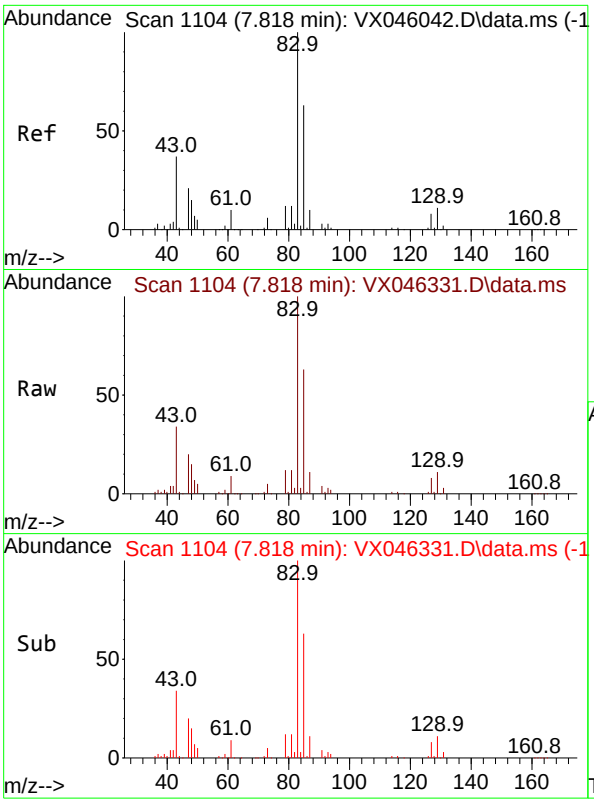




#46
Dibromomethane
Concen: 51.454 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 93 Resp: 44309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.7 | 65.6 | 98.4 |
| 174 | 84.2 | 68.2 | 102.2 |



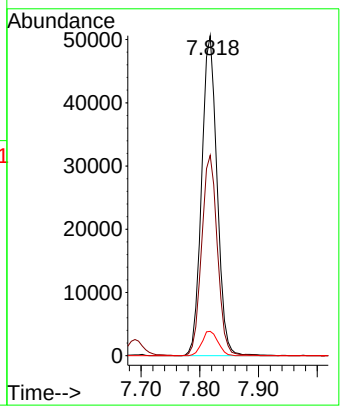


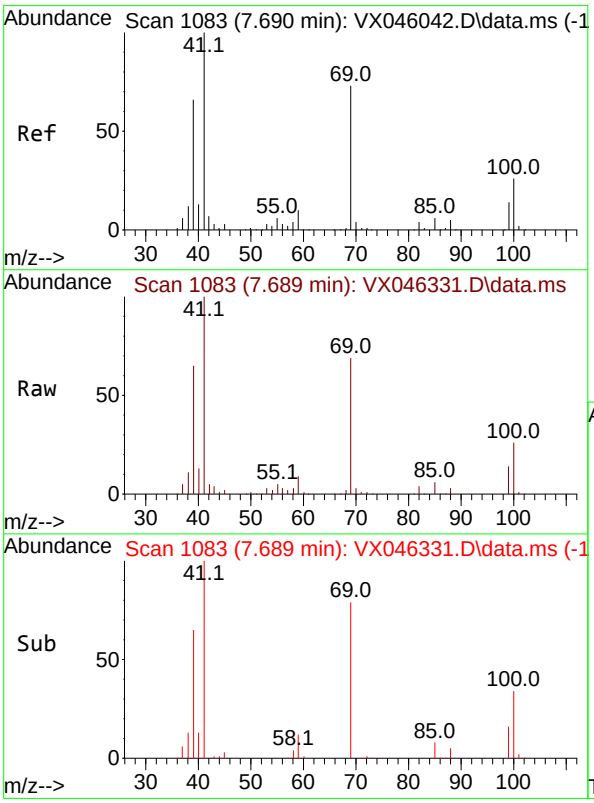

#47
Bromodichloromethane
Concen: 54.392 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 92253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.6 | 50.5 | 75.7 |
| 127 | 7.6 | 6.5 | 9.7 |

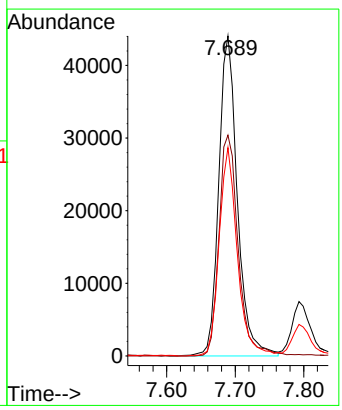


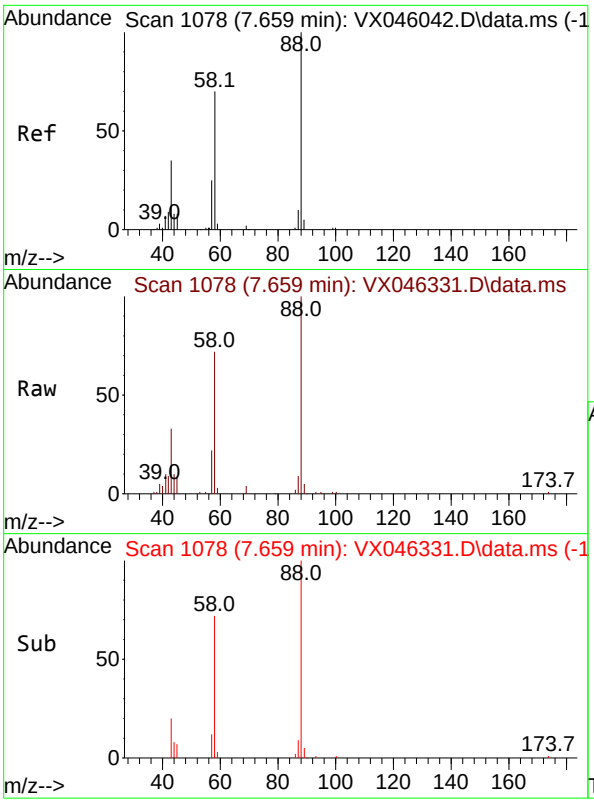




#48
Methyl methacrylate
Concen: 57.467 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 41 Resp: 82925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 72.0 | 58.5 | 87.7 |
| 39 | 63.5 | 51.7 | 77.5 |



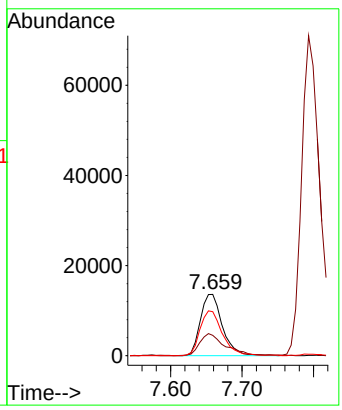


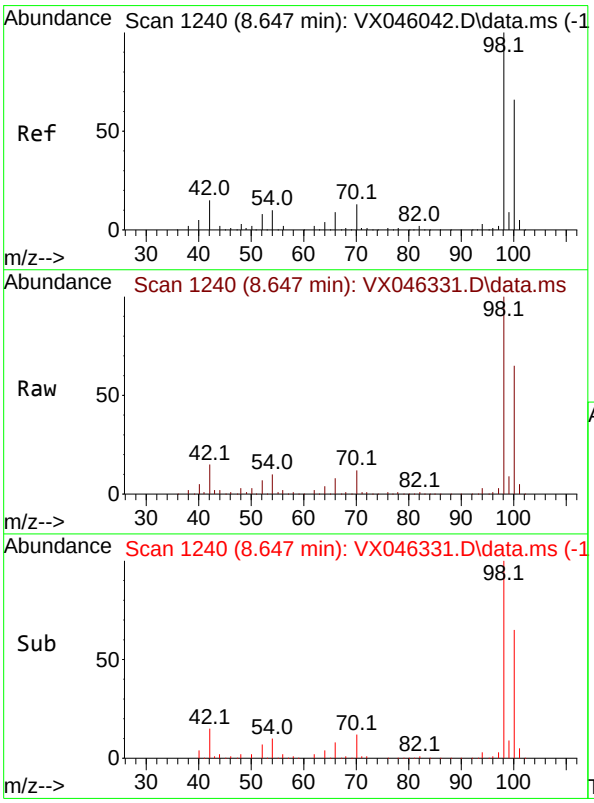

#49
1,4-Dioxane
Concen: 1053.147 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 88 Resp: 28855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 42.3 | 33.4 | 50.2 |
| 58 | 74.9 | 58.6 | 88.0 |

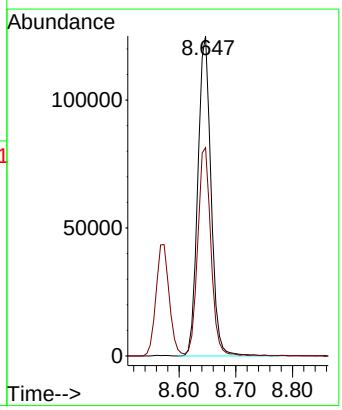


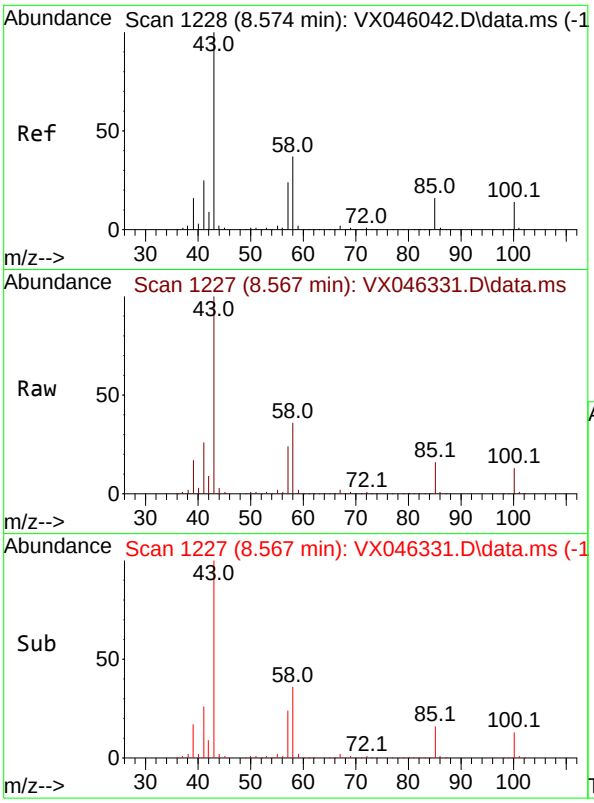




#50
Toluene-d8
Concen: 52.423 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 98 Resp: 202439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 53.5 | 80.3 |



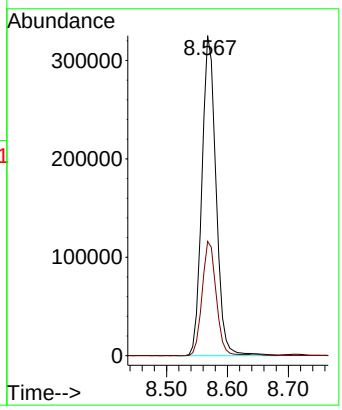


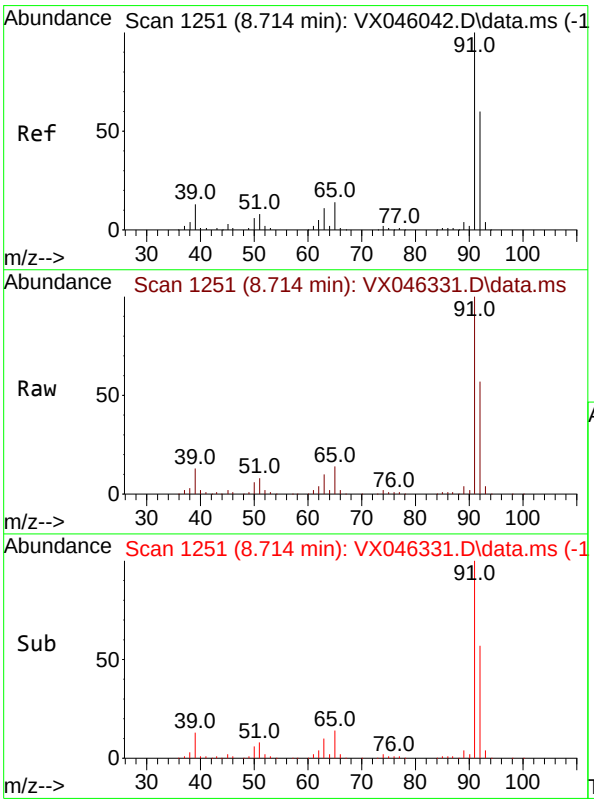

#51
4-Methyl-2-Pentanone
Concen: 279.753 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 524686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.5 | 28.9 | 43.3 |

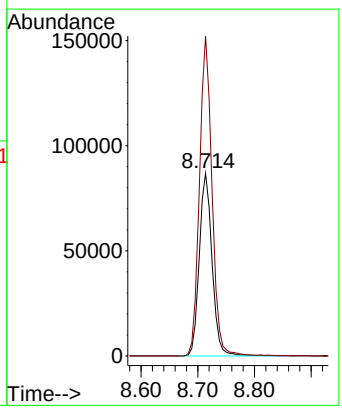


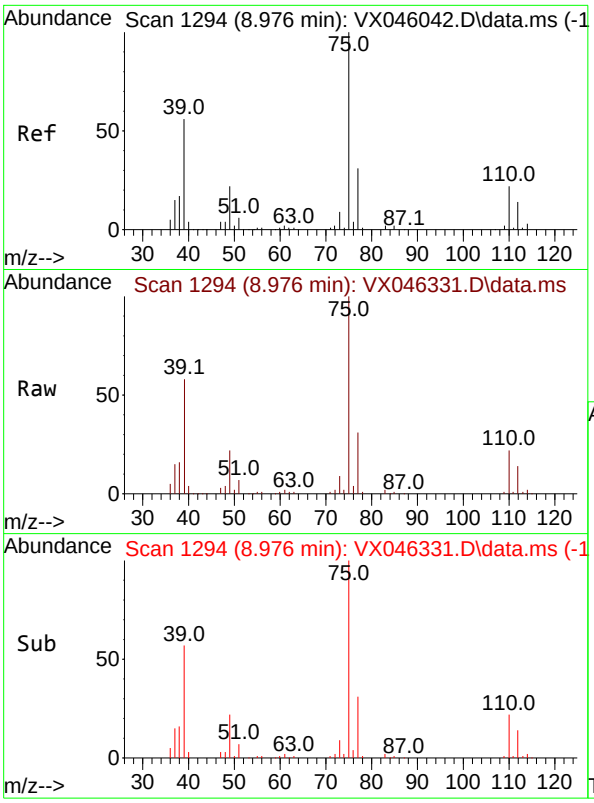




#52
Toluene
Concen: 50.537 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 92 Resp: 136068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.1 | 136.6 | 205.0 |



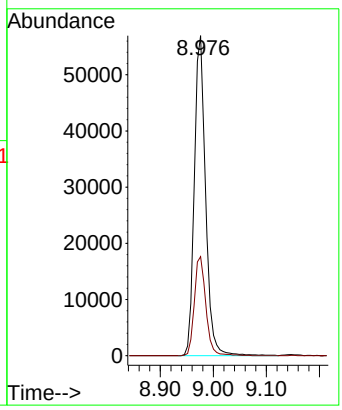


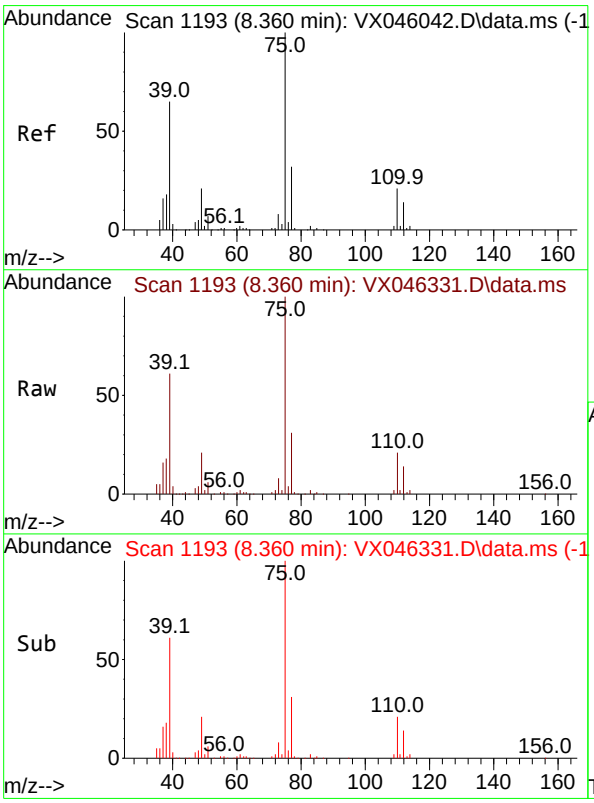

#53
t-1,3-Dichloropropene
Concen: 55.750 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 84046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.0 | 37.6 |

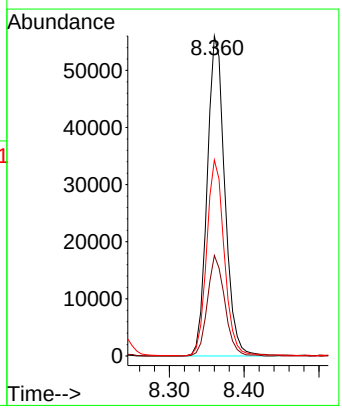


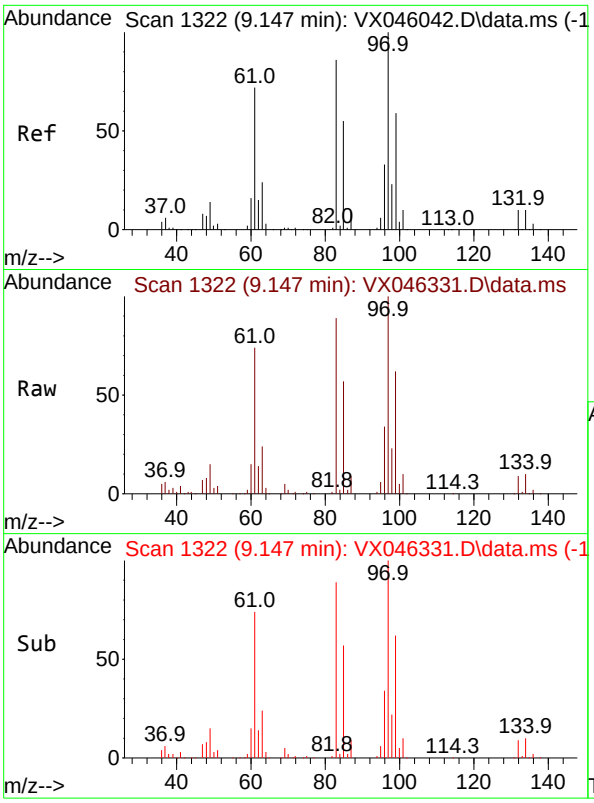




#54
cis-1,3-Dichloropropene
Concen: 54.982 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 91612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.4 | 38.0 |
| 39 | 61.1 | 52.2 | 78.4 |



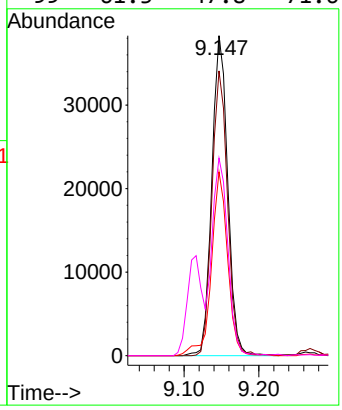


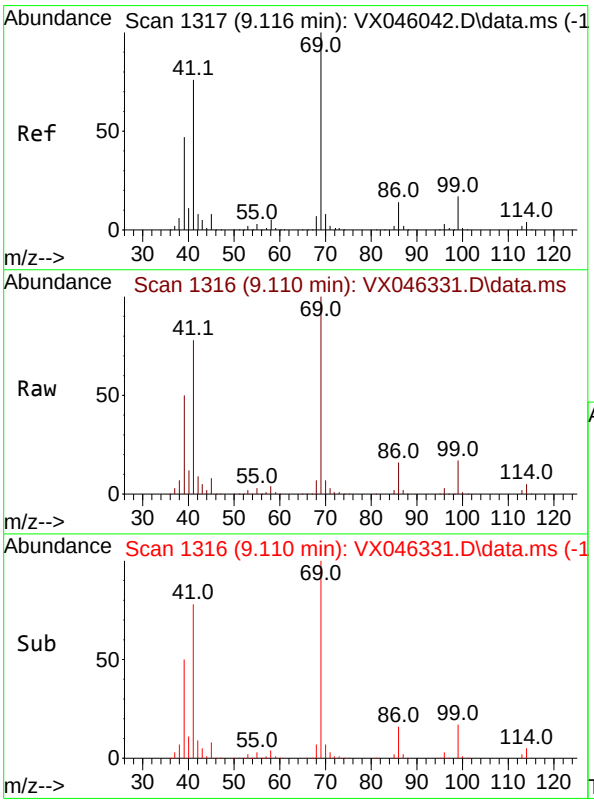

#55
1,1,2-Trichloroethane
Concen: 53.371 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 56661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.0 | 69.0 | 103.6 |
| 85 | 57.5 | 44.3 | 66.5 |
| 99 | 61.3 | 47.8 | 71.6 |

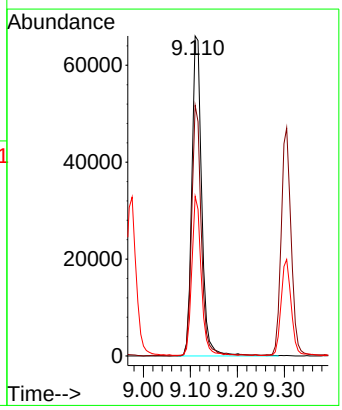


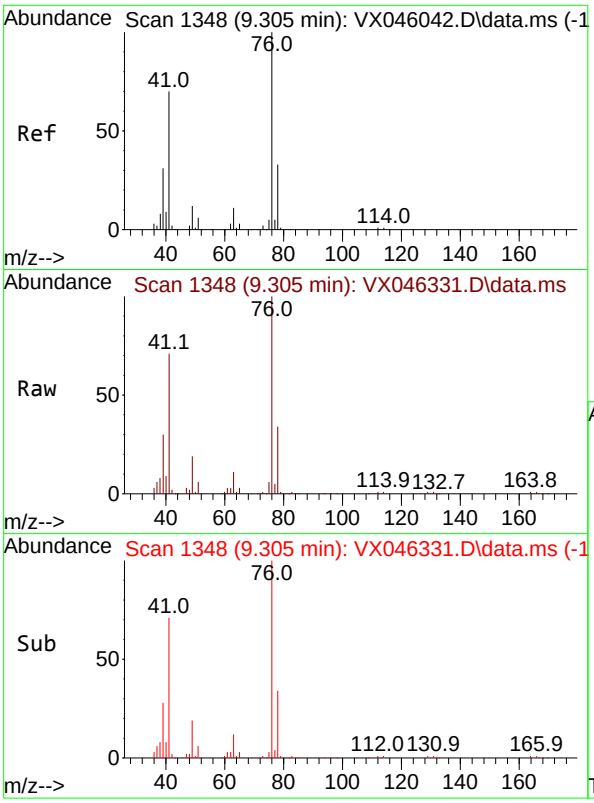




#56
Ethyl methacrylate
Concen: 57.619 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 69 Resp: 97493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 75.9 | 60.8 | 91.2 |
| 39 | 47.4 | 39.0 | 58.6 |



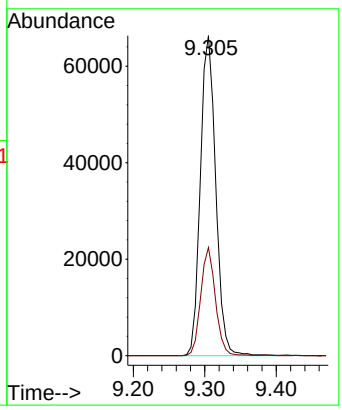


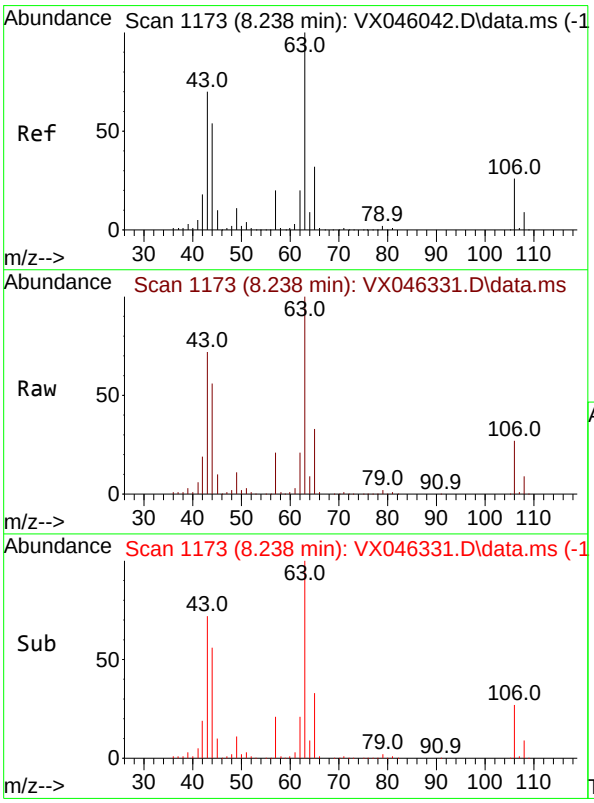

#57
1,3-Dichloropropane
Concen: 51.895 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 98945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 26.3 | 39.5 |

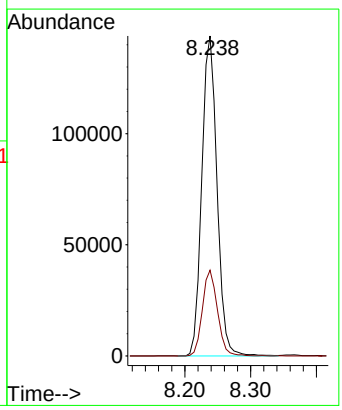


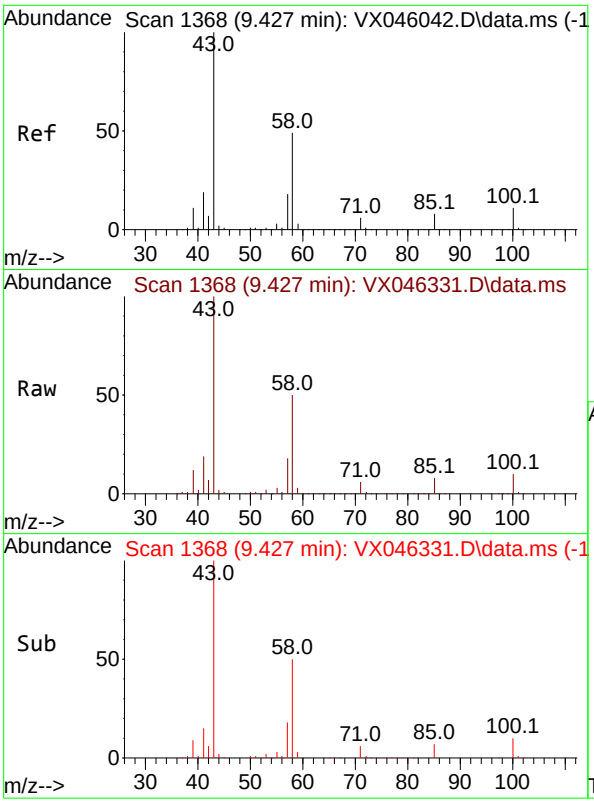




#58
2-Chloroethyl Vinyl ether
Concen: 268.416 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 63 Resp: 231542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.5 | 21.5 | 32.3 |



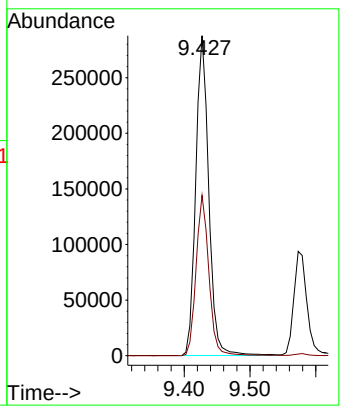


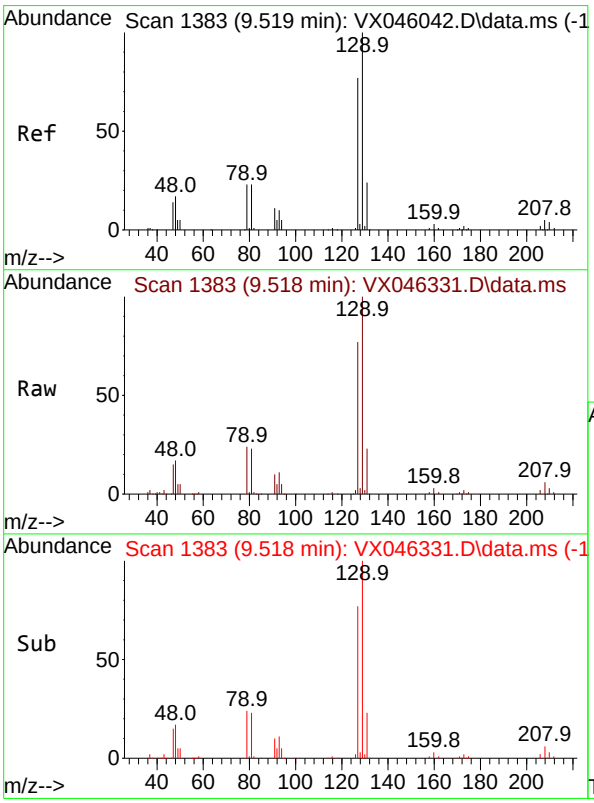

#59
2-Hexanone
Concen: 285.172 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 395700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.5 | 24.9 | 74.6 |

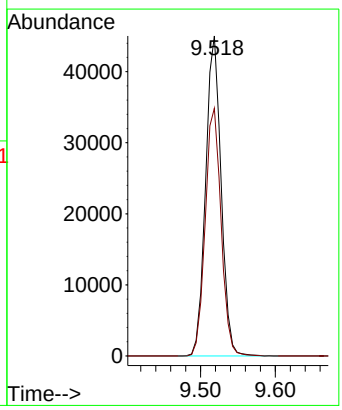


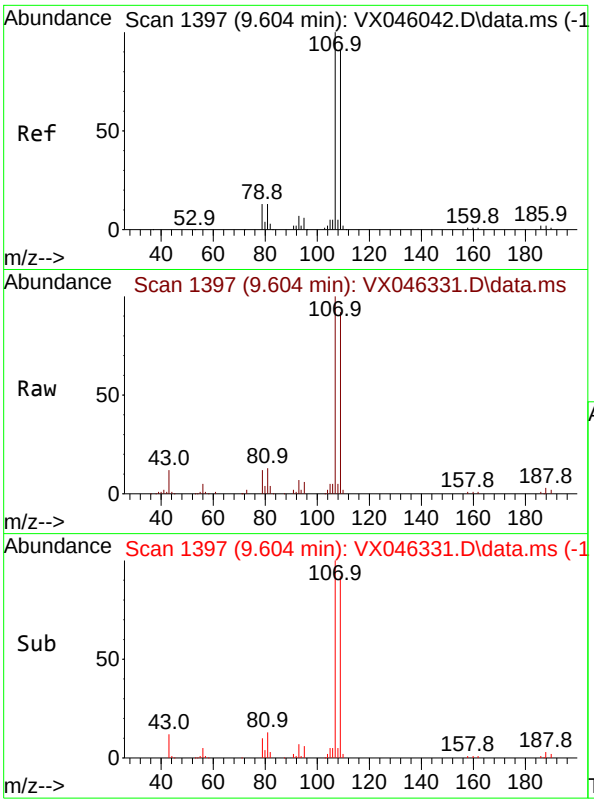




#60
Dibromochloromethane
Concen: 55.399 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:129 Resp: 64591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 79.4 | 39.3 | 117.8 |



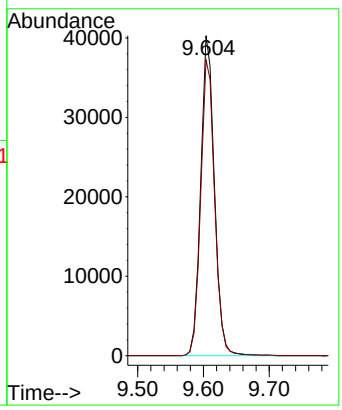


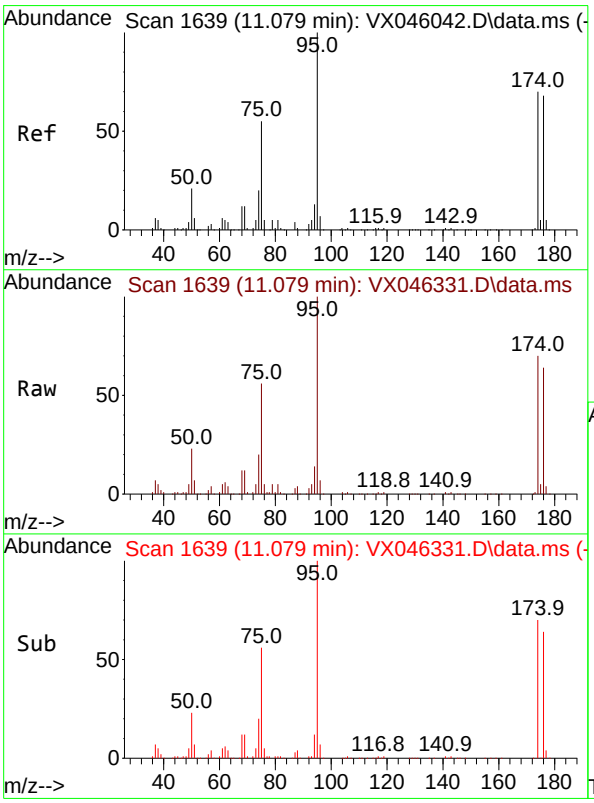

#61
1,2-Dibromoethane
Concen: 52.931 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 58405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 73.3 | 109.9 |

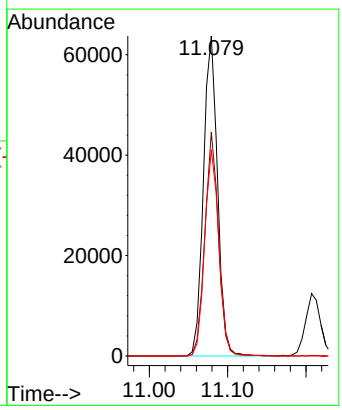


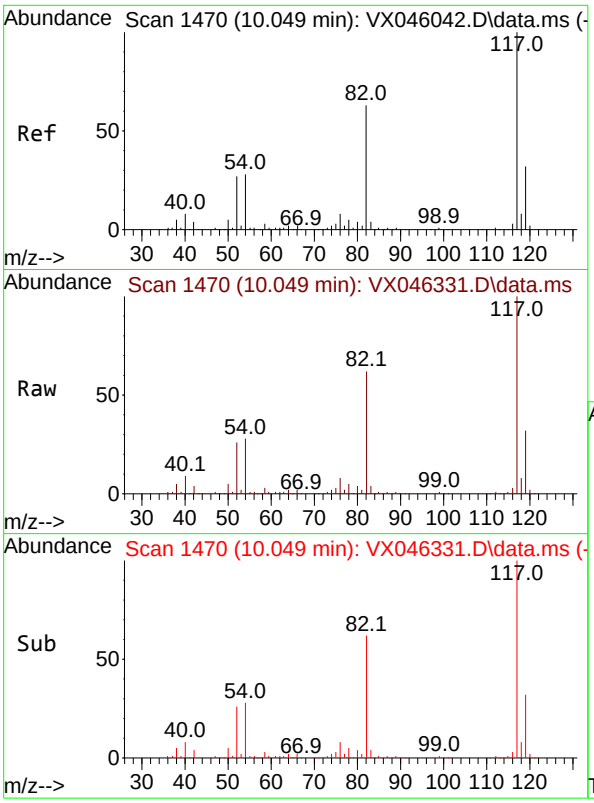




#62
4-Bromofluorobenzene
Concen: 53.716 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 95 Resp: 79568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.3 | 0.0 | 135.8 |
| 176 | 64.6 | 0.0 | 131.4 |



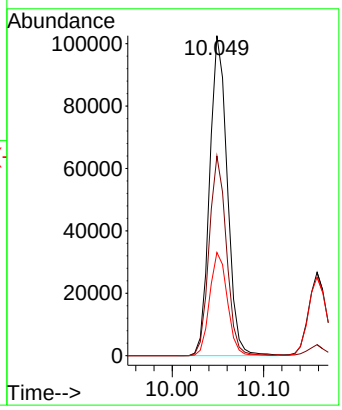


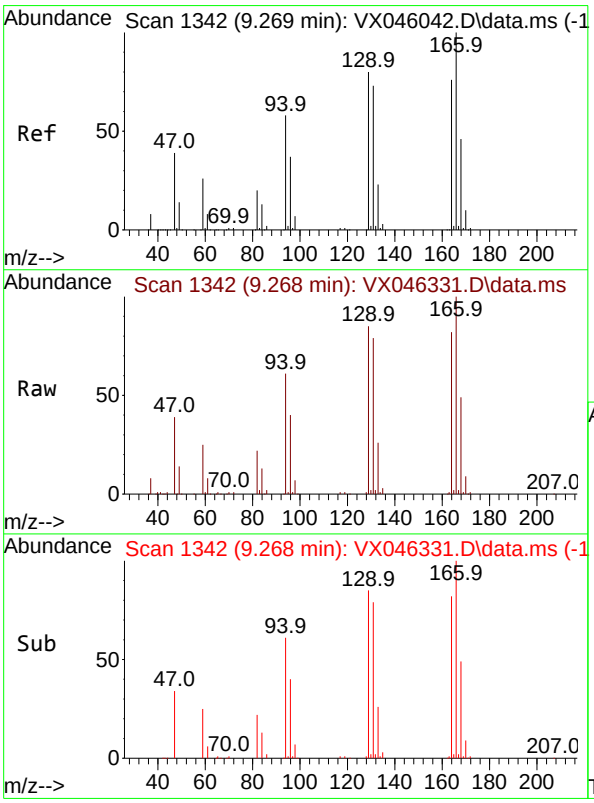

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 137123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 62.4 | 50.6 | 76.0 |
| 119 | 32.2 | 25.8 | 38.6 |

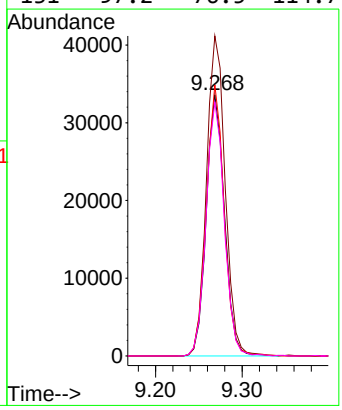


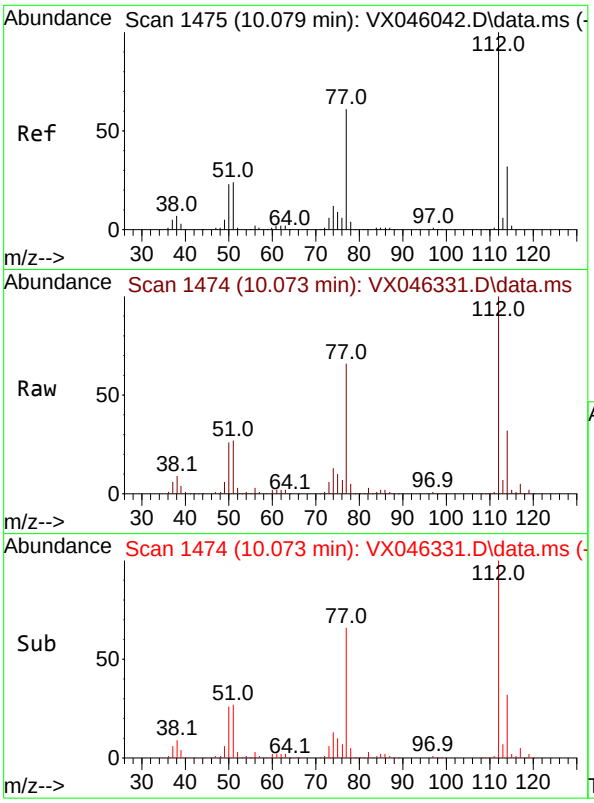




#64
Tetrachloroethene
Concen: 50.481 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:164 Resp: 48977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 122.6 | 105.0 | 157.6 |
| 129 | 103.9 | 83.5 | 125.3 |
| 131 | 97.2 | 76.5 | 114.7 |



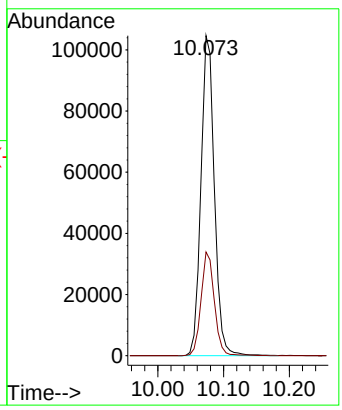


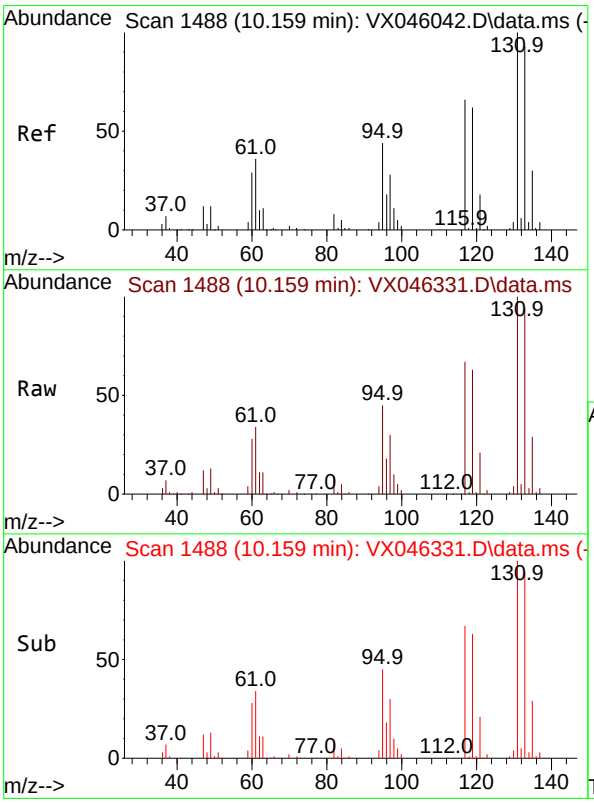

#65
Chlorobenzene
Concen: 49.525 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 148639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.4 | 25.4 | 38.2 |

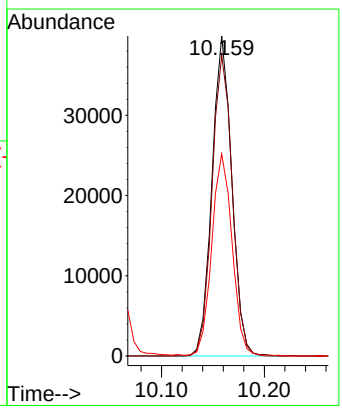


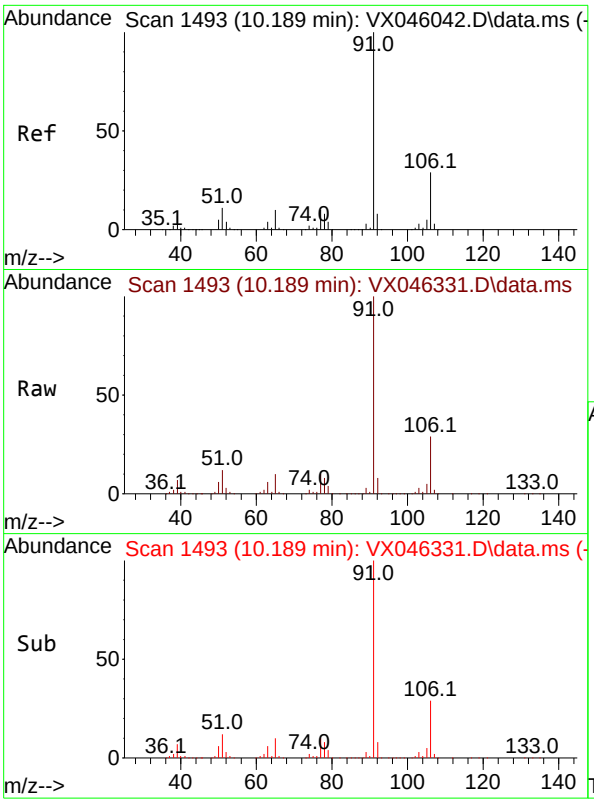




#66
1,1,1,2-Tetrachloroethane
Concen: 52.010 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:131 Resp: 53302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.3 | 47.3 | 141.9 |
| 119 | 64.8 | 31.6 | 95.0 |



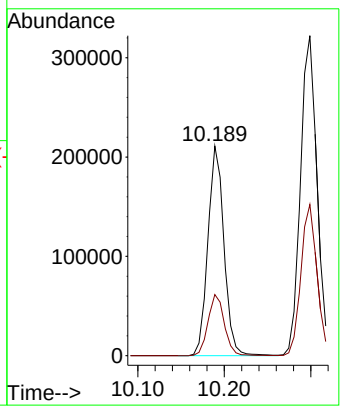


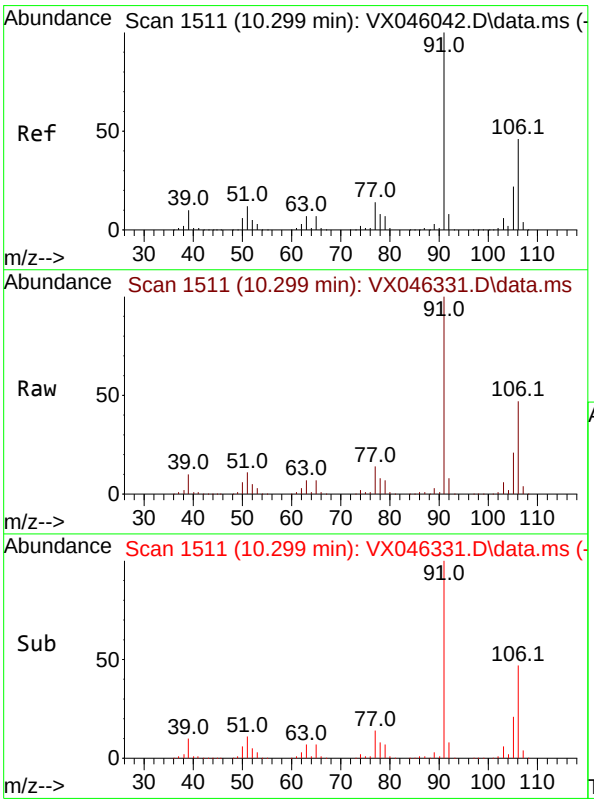

#67
Ethyl Benzene
Concen: 51.457 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 272231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.2 | 23.4 | 35.2 |

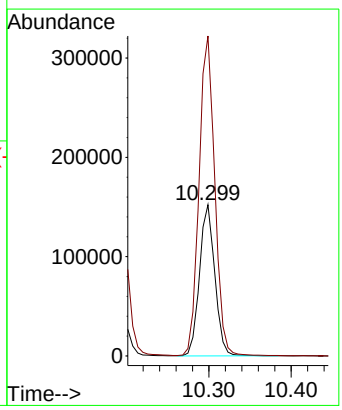


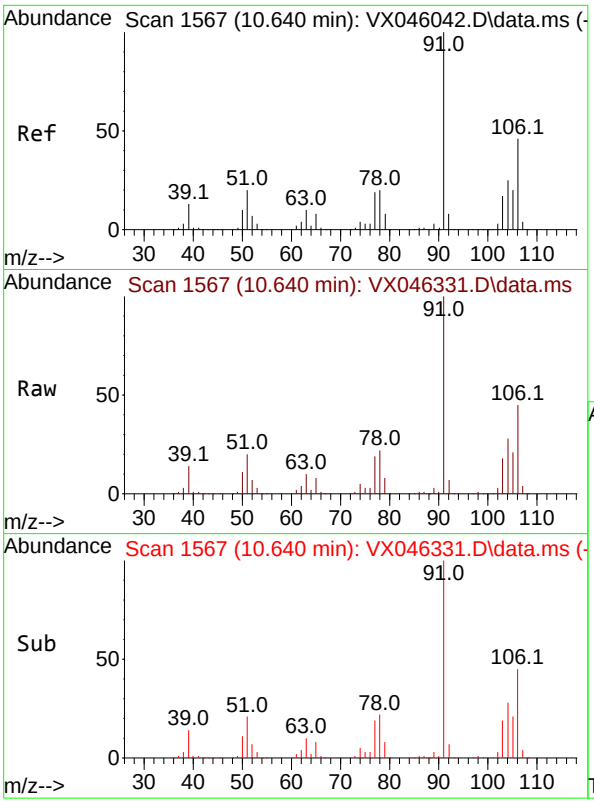




#68
m/p-Xylenes
Concen: 101.954 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:106 Resp: 197275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.8 | 171.2 | 256.8 |



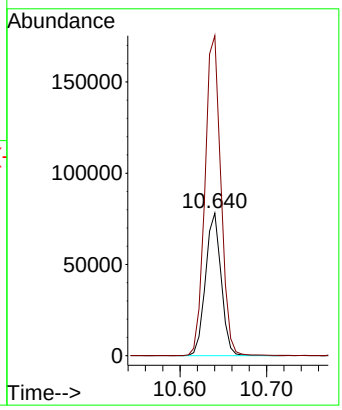


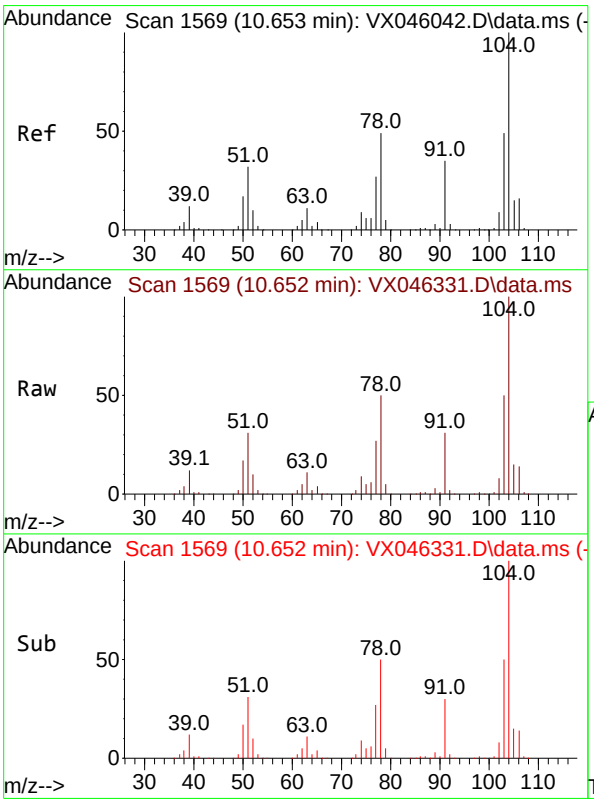

#69
o-Xylene
Concen: 51.899 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 97901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 229.1 | 112.7 | 338.1 |

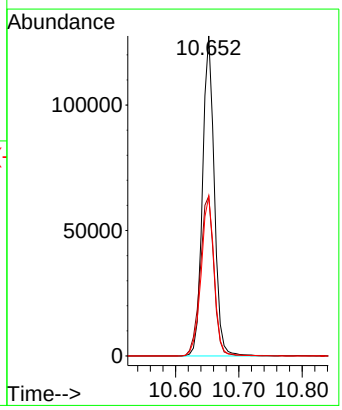


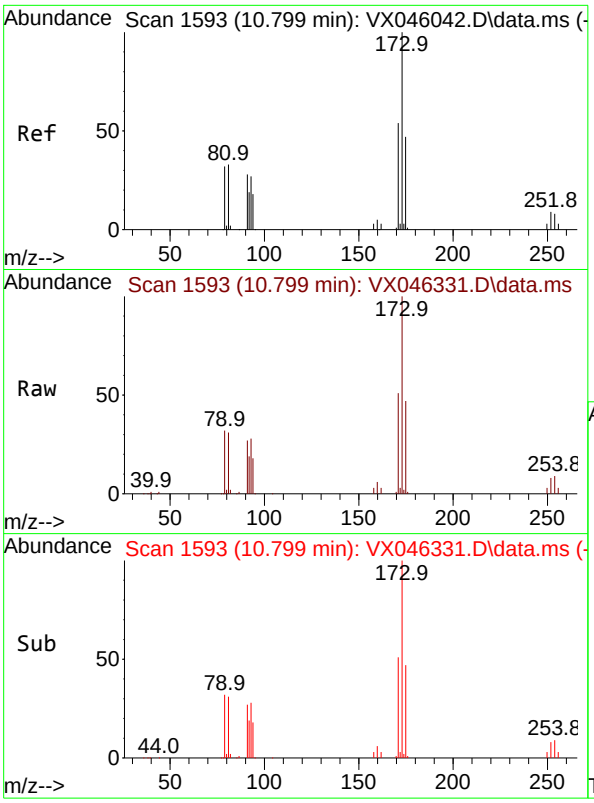




#70
Styrene
Concen: 53.599 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:104 Resp: 165627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 58.1 | 45.7 | 68.5 |
| 103 | 55.3 | 43.7 | 65.5 |



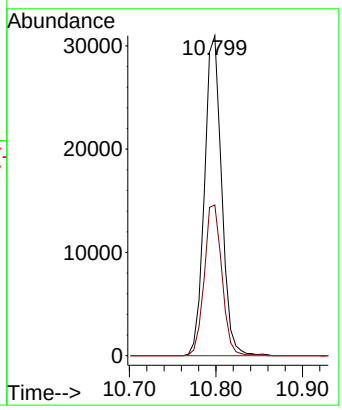


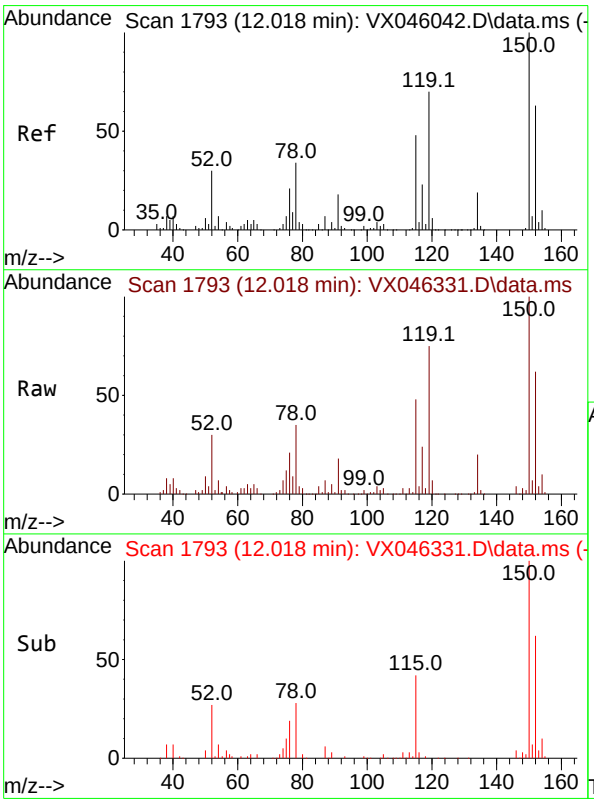

#71
Bromoform
Concen: 55.224 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 42491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.6 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |

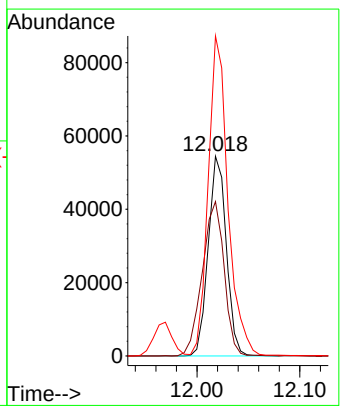


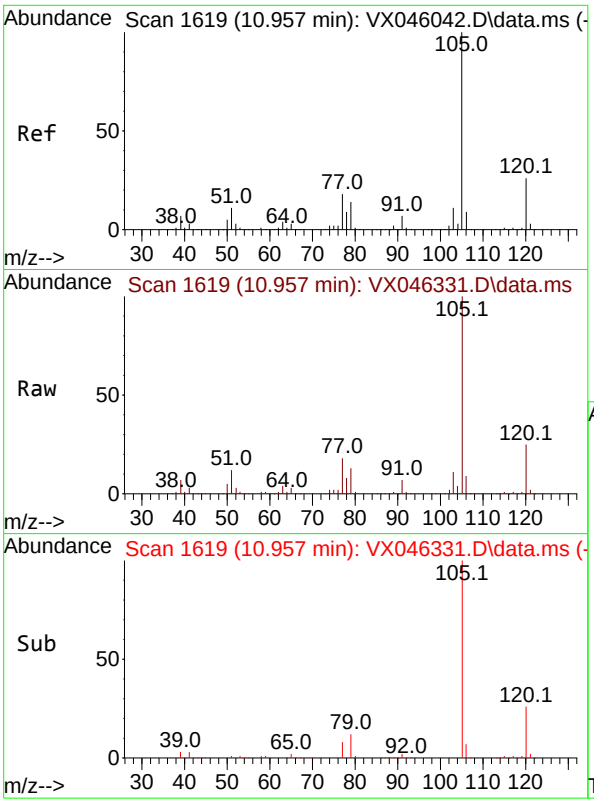




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:152 Resp: 66629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 93.5 | 46.9 | 140.7 |
| 150 | 175.2 | 0.0 | 351.0 |



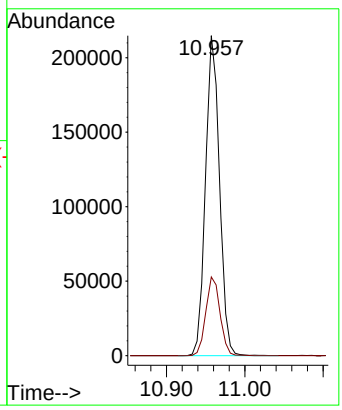


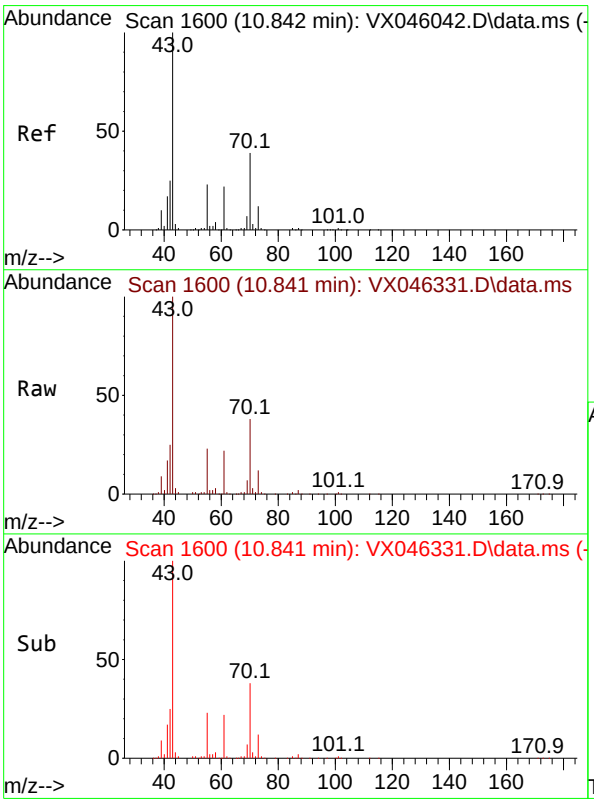

#73
Isopropylbenzene
Concen: 51.196 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 265569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.0 | 12.8 | 38.4 |

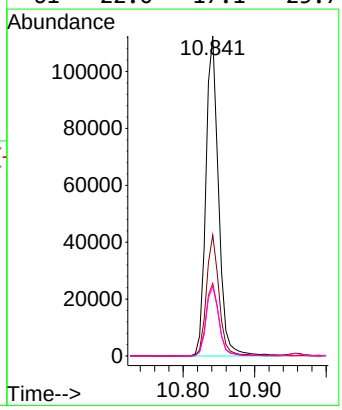


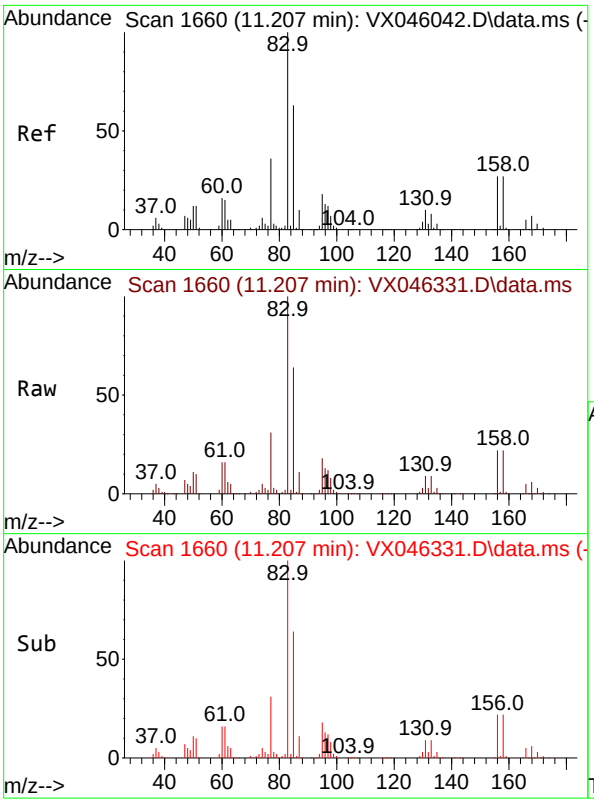




#74
N-amyl acetate
Concen: 54.091 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 138648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 37.7 | 30.9 | 46.3 |
| 55 | 23.4 | 18.7 | 28.1 |
| 61 | 22.0 | 17.1 | 25.7 |



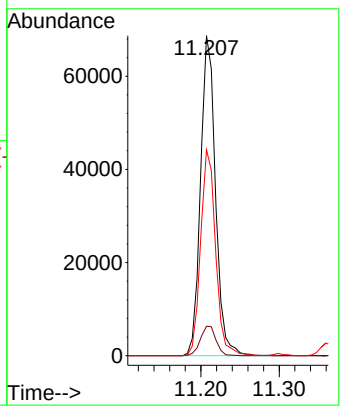


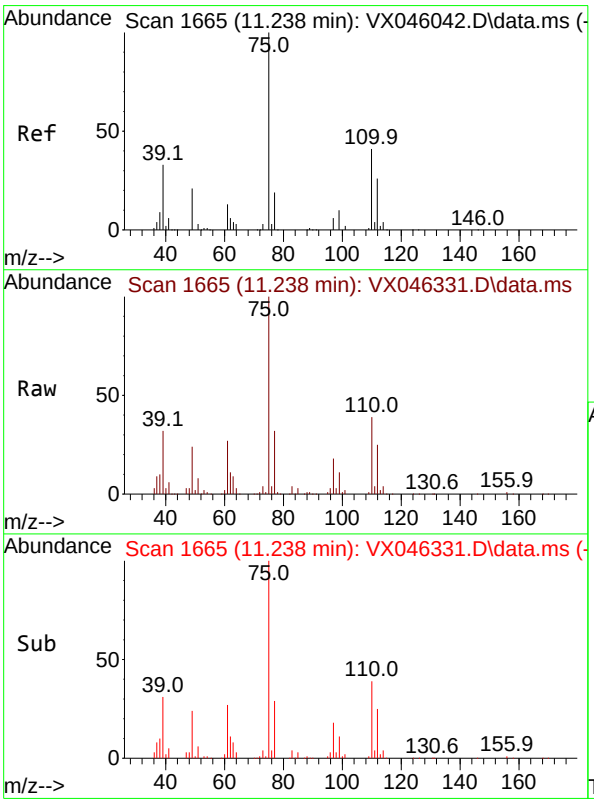

#75
1,1,2,2-Tetrachloroethane
Concen: 50.066 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 91010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.6 | 5.0 | 14.9 |
| 85 | 64.5 | 31.9 | 95.7 |

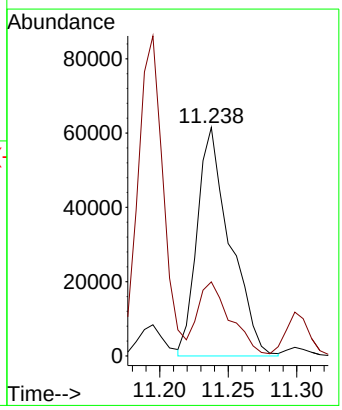


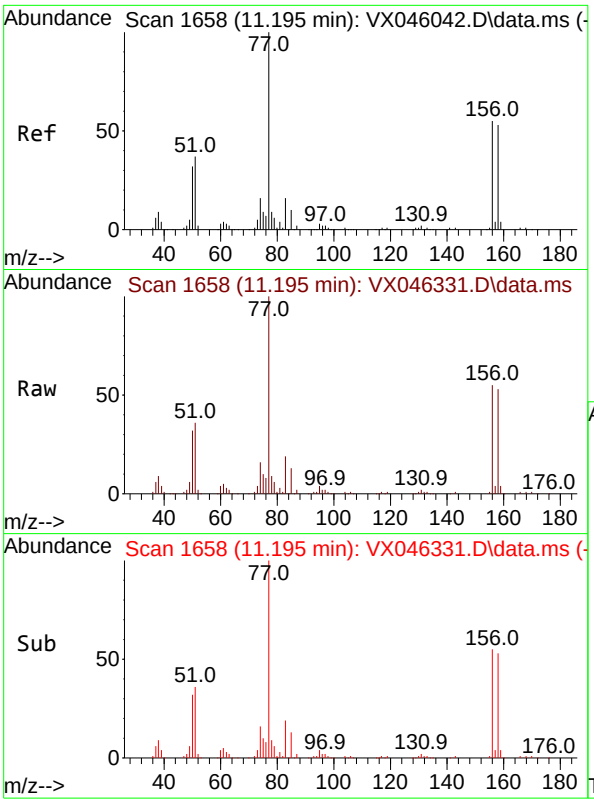




#76
1,2,3-Trichloropropane
Concen: 64.234 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 103018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 20.5 | 61.5 |



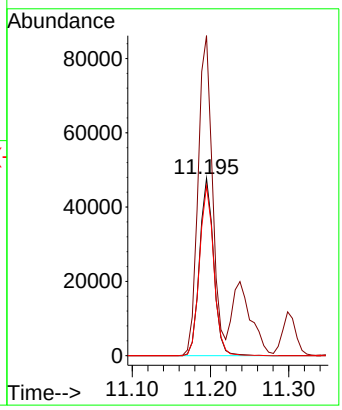


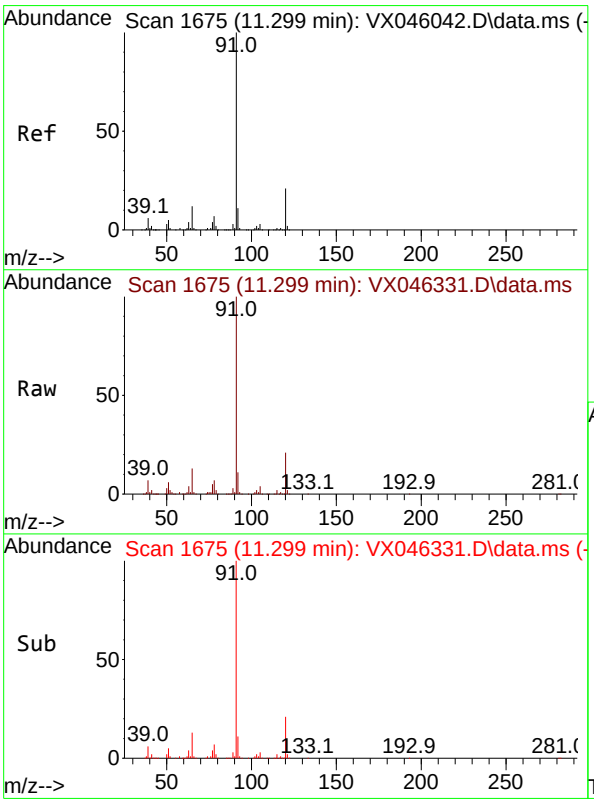

#77
Bromobenzene
Concen: 49.441 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 59541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.1 | 92.8 | 278.3 |
| 158 | 97.2 | 48.8 | 146.3 |

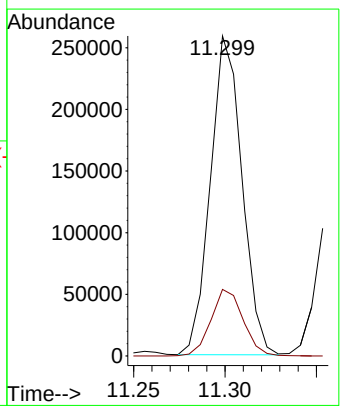


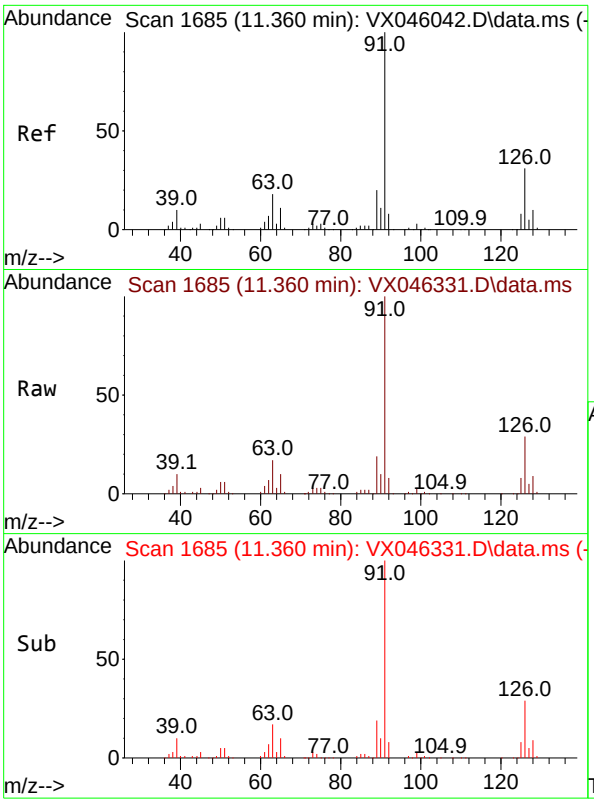




#78
n-propylbenzene
Concen: 51.673 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 91 Resp: 311660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.2 | 10.8 | 32.4 |



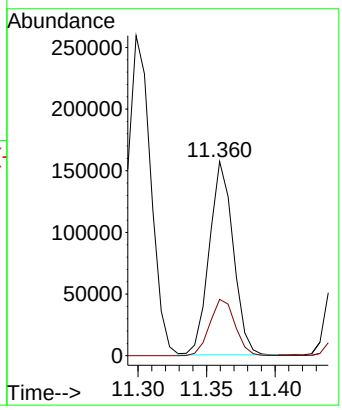


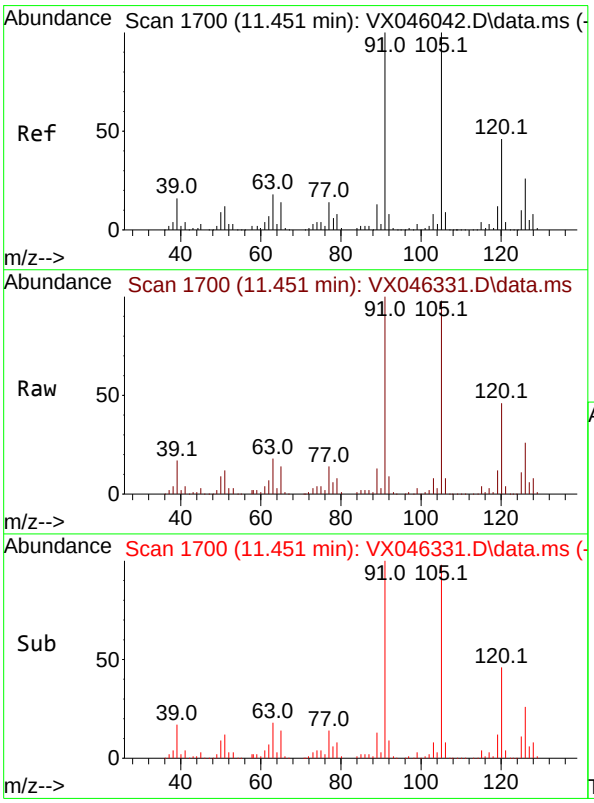

#79
2-Chlorotoluene
Concen: 49.128 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 191122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.8 | 15.6 | 46.7 |

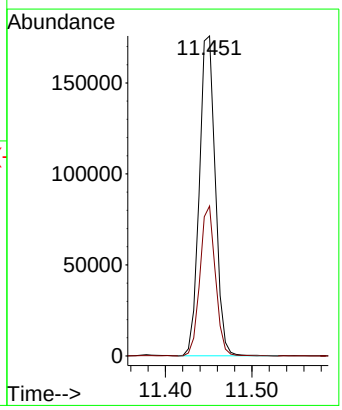


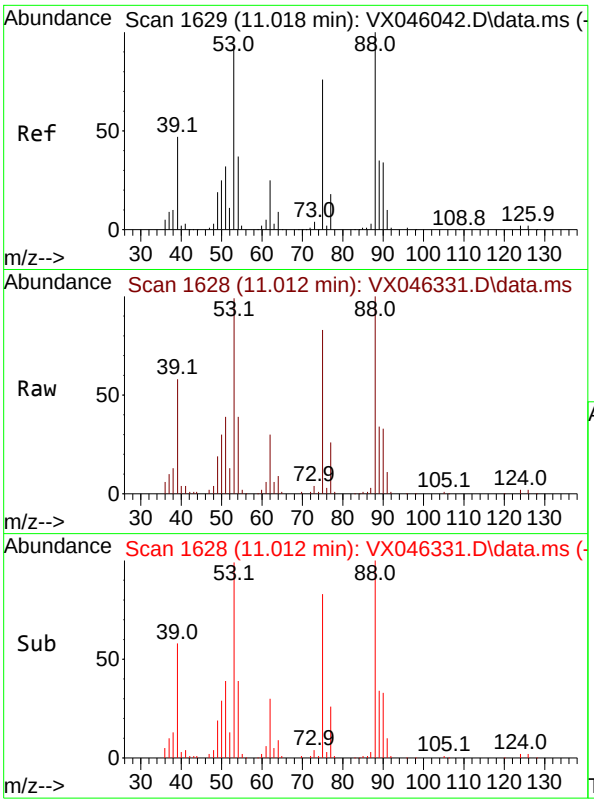




#80
1,3,5-Trimethylbenzene
Concen: 51.877 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:105 Resp: 224812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.4 | 23.1 | 69.2 |



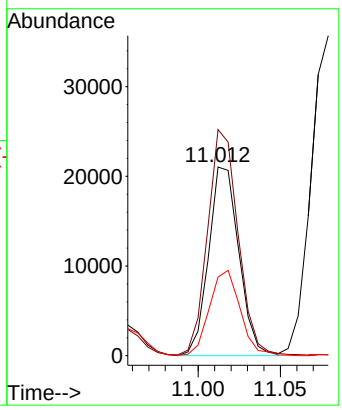


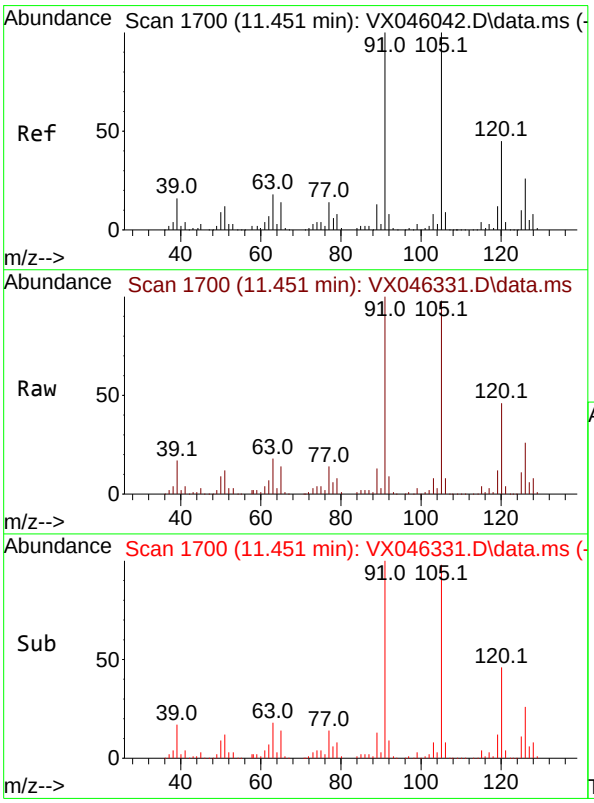

#81
trans-1,4-Dichloro-2-butene
Concen: 54.814 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 27002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 121.3 | 100.5 | 150.7 |
| 89 | 45.7 | 37.0 | 55.6 |

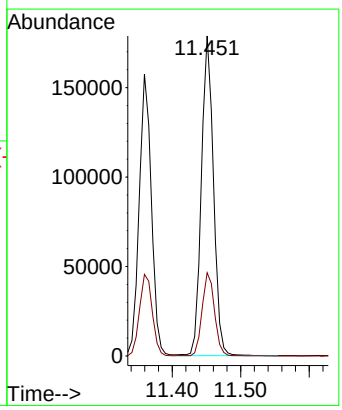


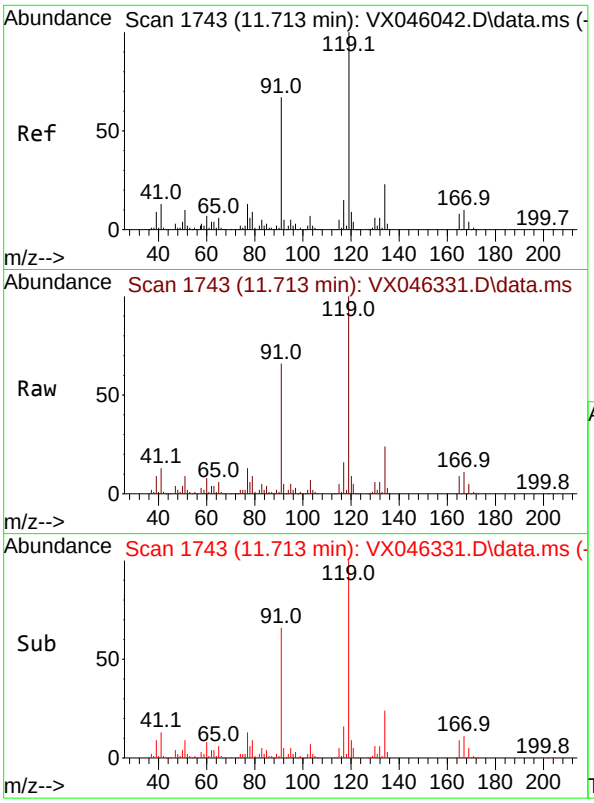




#82
4-Chlorotoluene
Concen: 50.910 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 91 Resp: 219638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.8 | 13.3 | 39.8 |



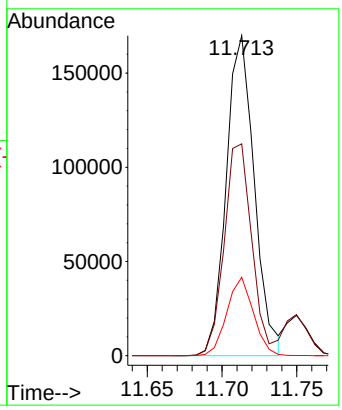


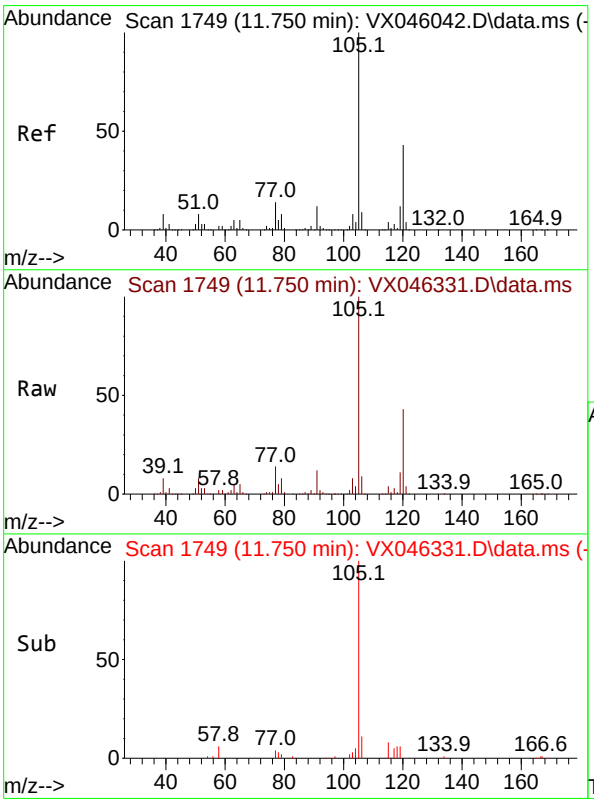

#83
tert-Butylbenzene
Concen: 50.888 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 222135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.6 | 32.9 | 98.7 |
| 134 | 23.1 | 11.4 | 34.1 |

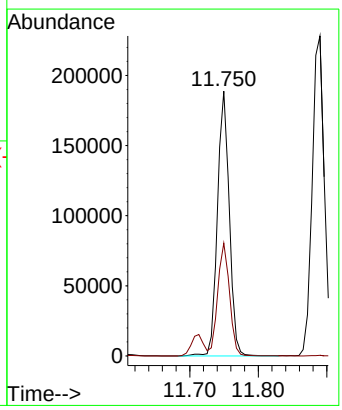


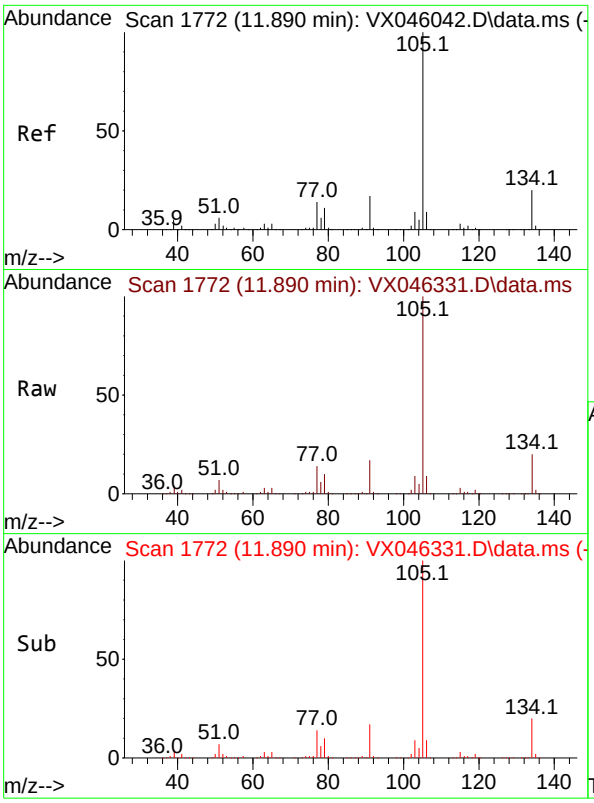




#84
1,2,4-Trimethylbenzene
Concen: 51.438 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:105 Resp: 225740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.4 | 21.2 | 63.6 |



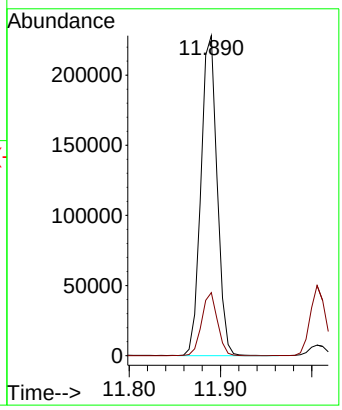


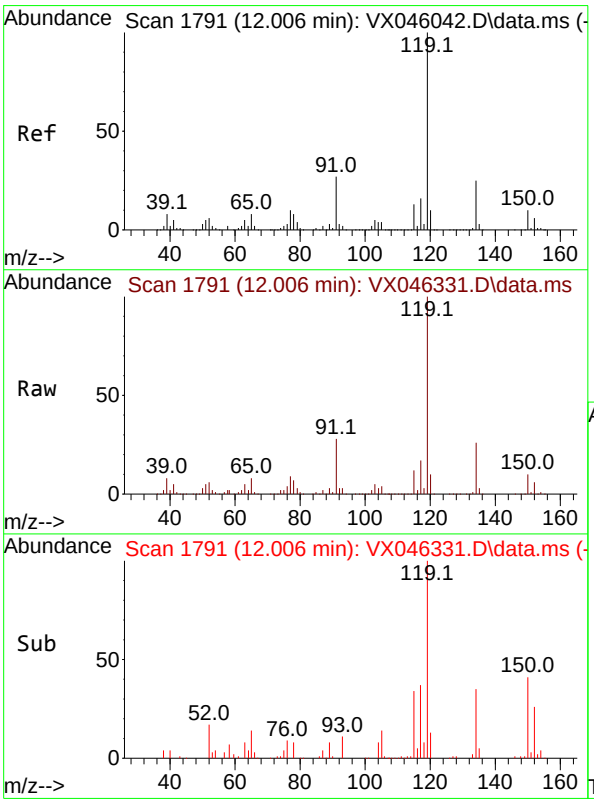

#85
sec-Butylbenzene
Concen: 52.265 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 280123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.2 | 9.7 | 29.1 |

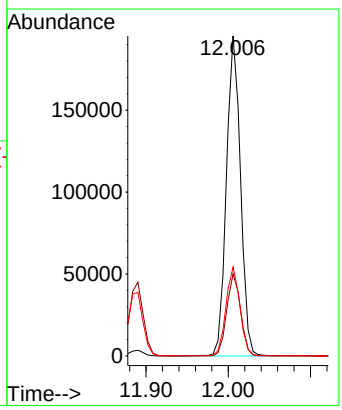


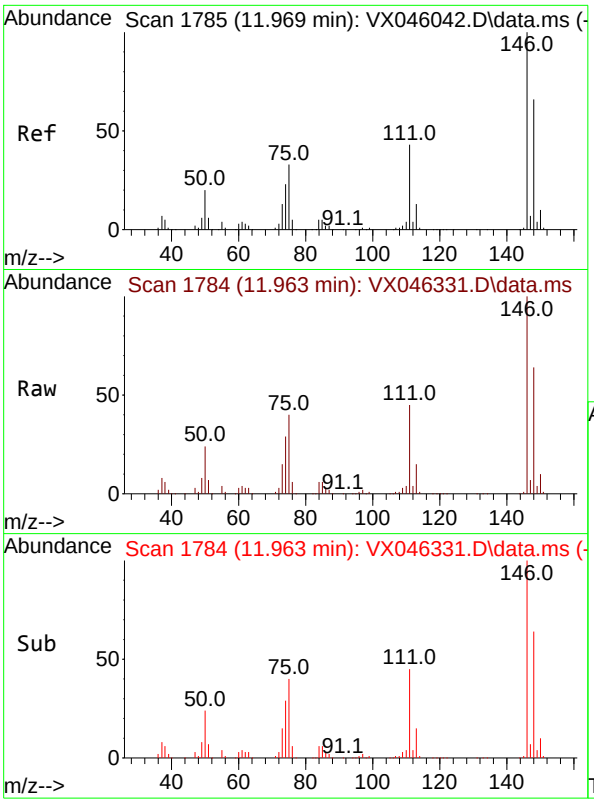




#86
p-Isopropyltoluene
Concen: 52.479 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:119 Resp: 232168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.3 | 12.5 | 37.5 |
| 91 | 27.5 | 13.8 | 41.4 |



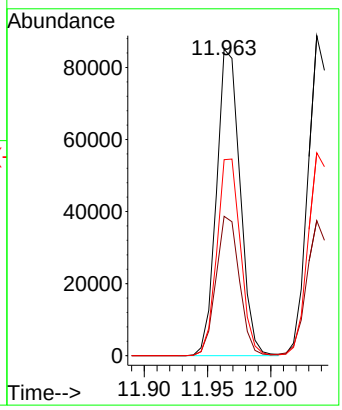


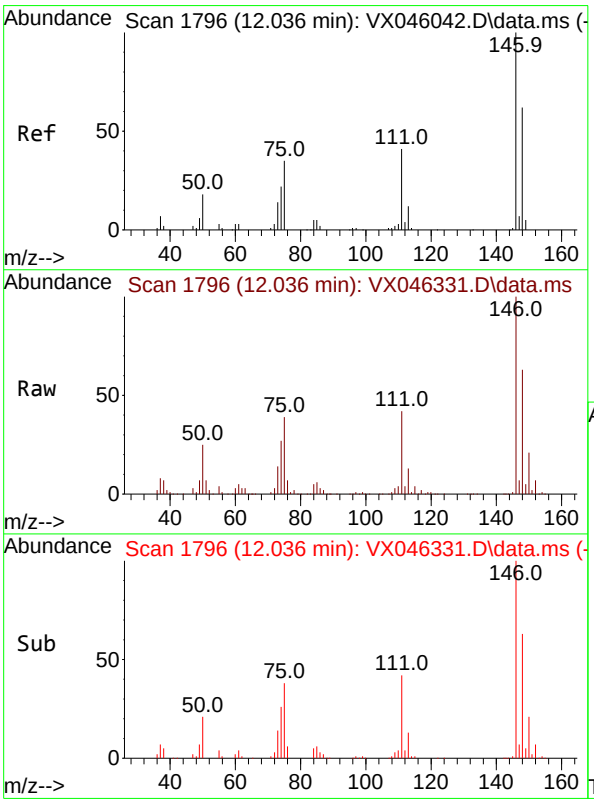

#87
1,3-Dichlorobenzene
Concen: 50.025 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 109948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.2 | 22.1 | 66.3 |
| 148 | 64.2 | 32.1 | 96.5 |

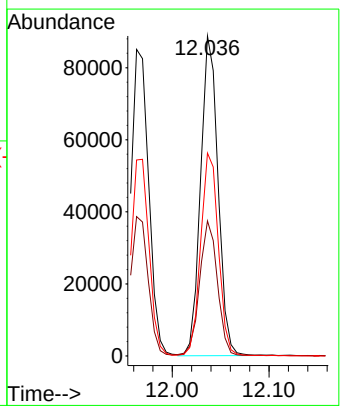


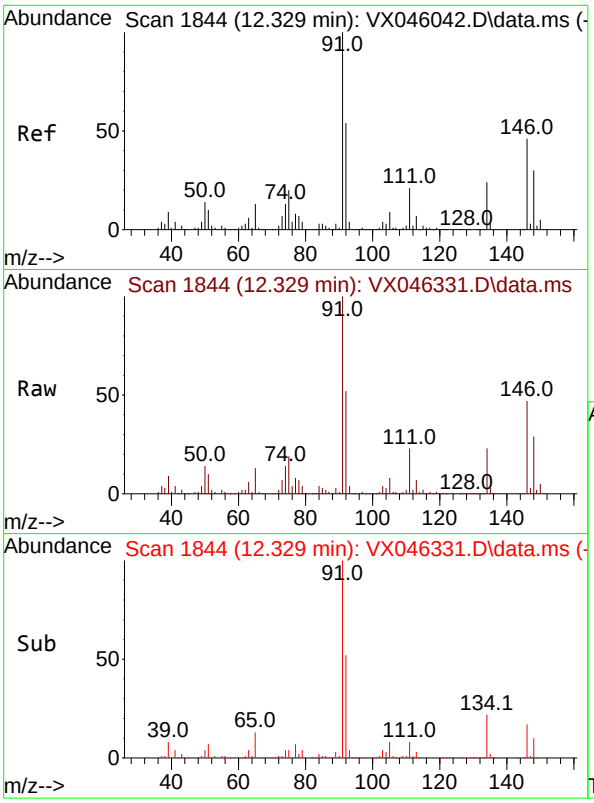




#88
1,4-Dichlorobenzene
Concen: 49.641 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:146 Resp: 111425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.3 | 63.9 |
| 148 | 64.9 | 31.9 | 95.5 |



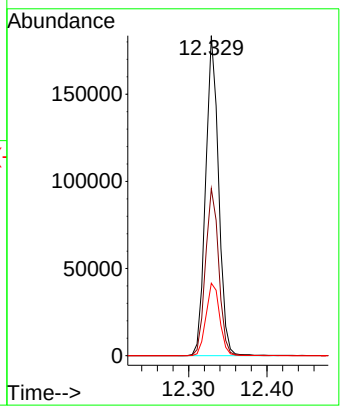


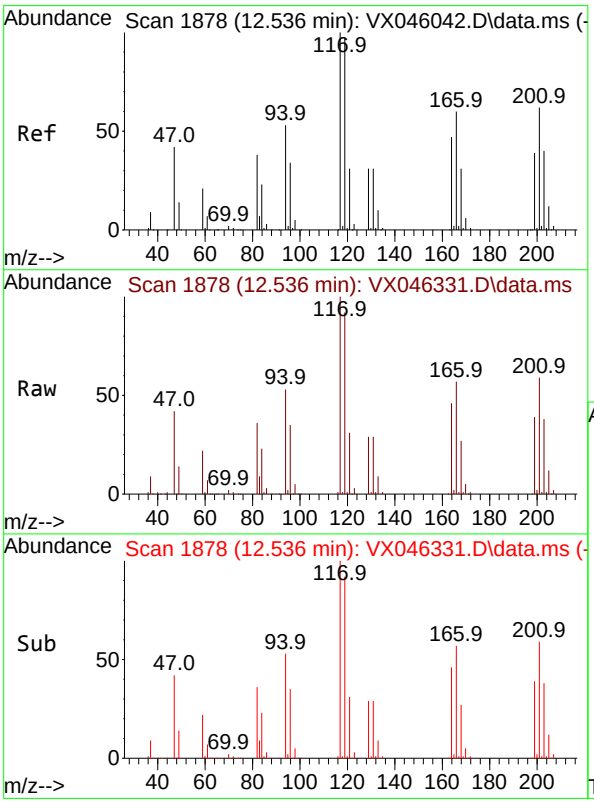

#89
n-Butylbenzene
Concen: 54.179 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 210250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.3 | 26.9 | 80.7 |
| 134 | 23.9 | 11.8 | 35.3 |

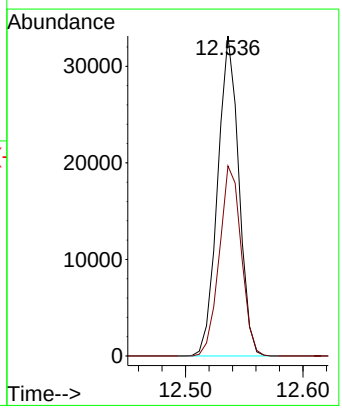


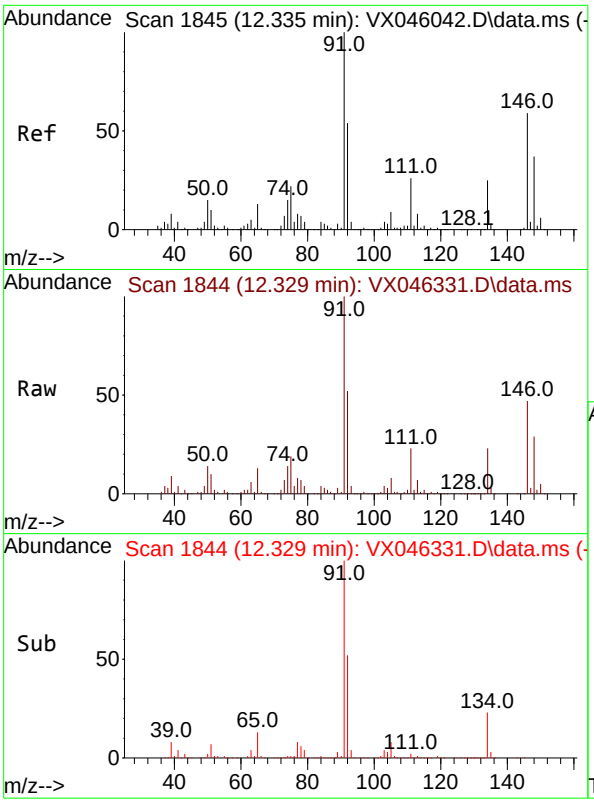




#90
Hexachloroethane
Concen: 53.122 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:117 Resp: 41404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 61.6 | 31.6 | 94.7 |



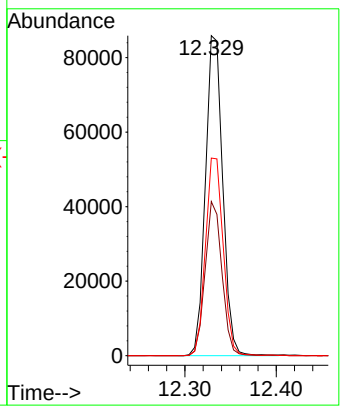


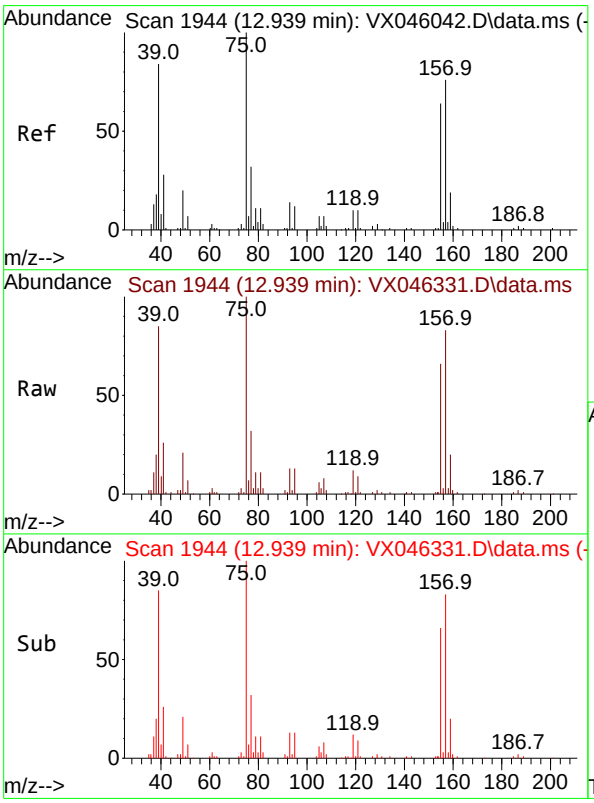

#91
1,2-Dichlorobenzene
Concen: 51.002 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 112487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.8 | 22.4 | 67.3 |
| 148 | 63.4 | 31.6 | 94.8 |

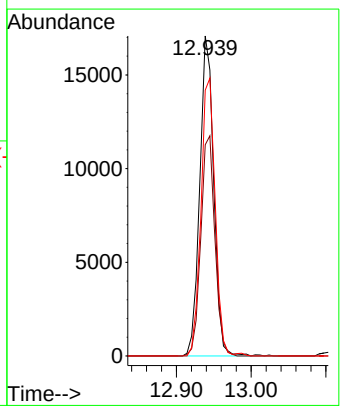


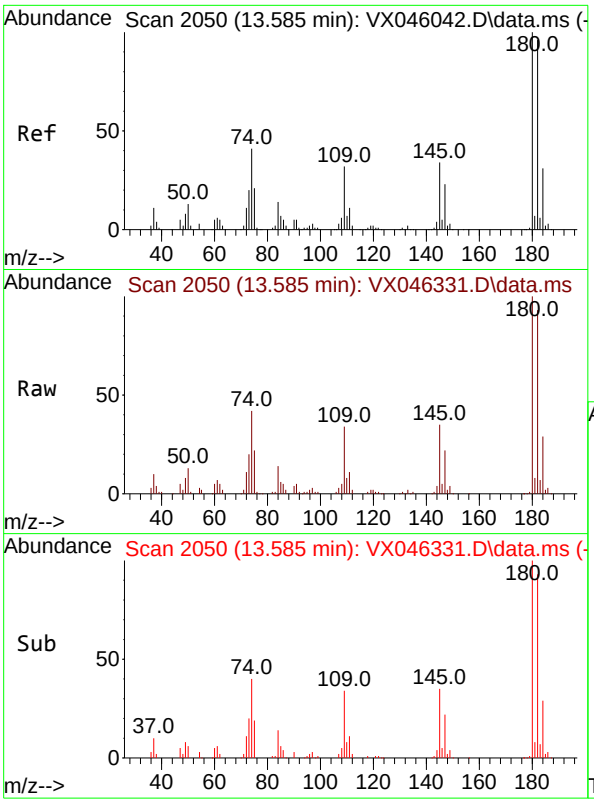




#92
1,2-Dibromo-3-Chloropropane
Concen: 55.085 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 22183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 69.3 | 34.9 | 104.8 |
| 157 | 88.3 | 43.8 | 131.4 |



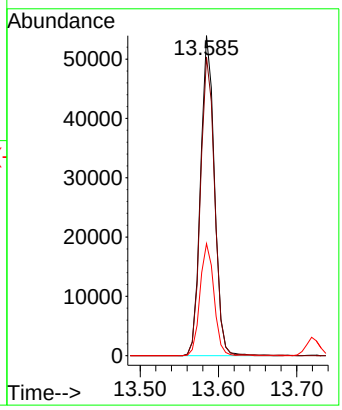


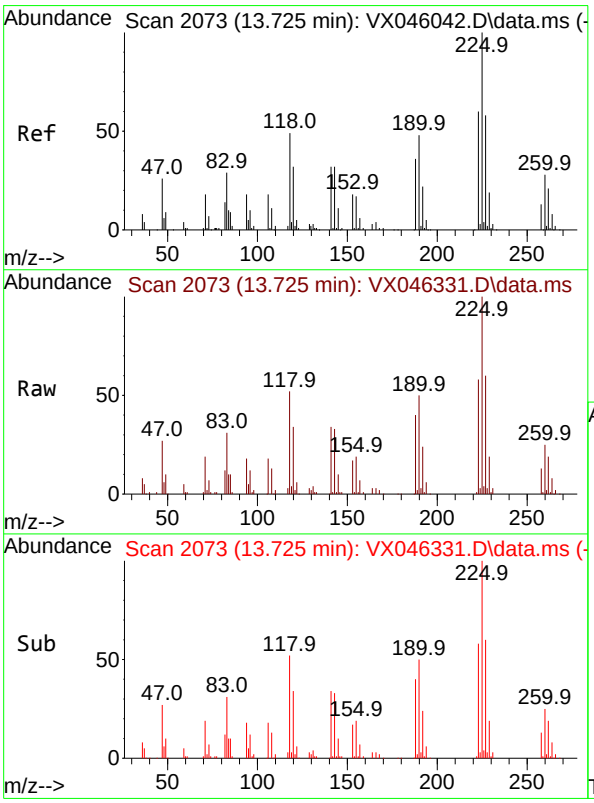

#93
1,2,4-Trichlorobenzene
Concen: 52.307 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 66261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 47.9 | 143.8 |
| 145 | 35.3 | 17.1 | 51.2 |

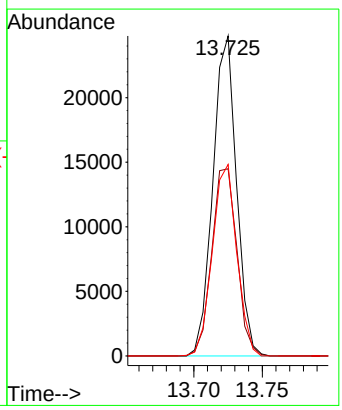


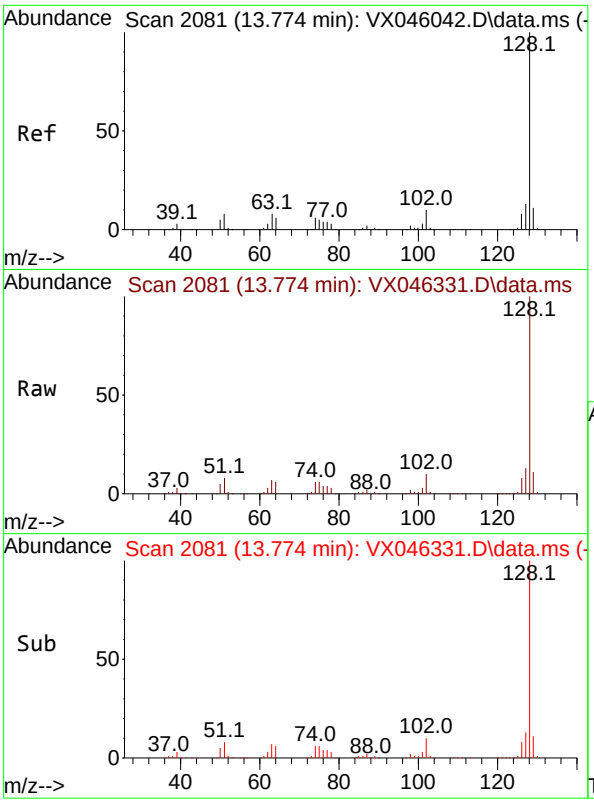




#94
Hexachlorobutadiene
Concen: 53.637 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:225 Resp: 29675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 30.8 | 92.4 |
| 227 | 61.8 | 30.9 | 92.7 |



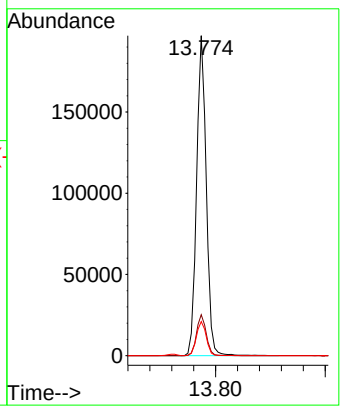


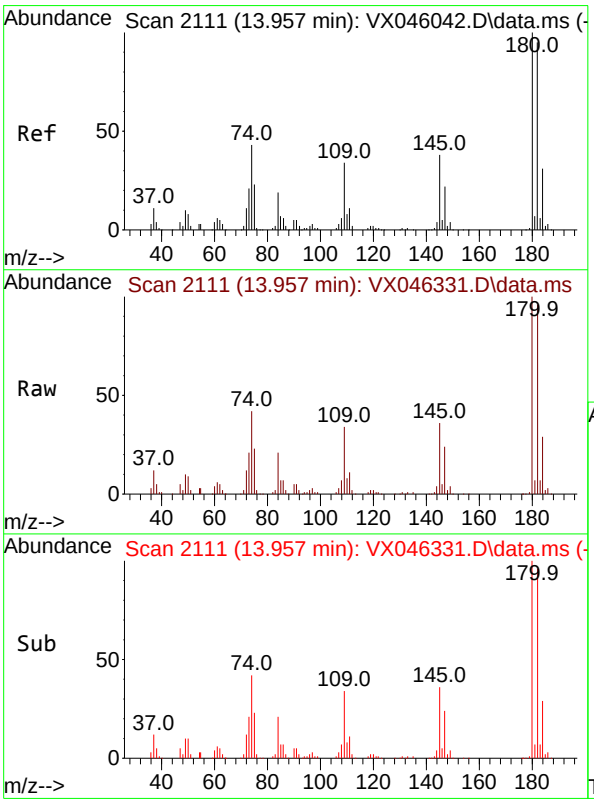

#95
Naphthalene
Concen: 52.127 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 242188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.4 | 15.6 |
| 129 | 10.9 | 8.6 | 13.0 |

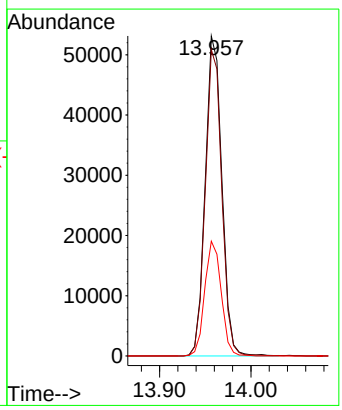



#96
1,2,3-Trichlorobenzene
Concen: 51.275 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:180 Resp: 67021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.0 | 47.8 | 143.3 |
| 145 | 35.5 | 18.1 | 54.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046334.D
Acq On : 23 May 2025 10:57
Operator : JC/MD
Sample : VX0523WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Quant Time: May 23 22:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 88801 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 154286 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 135355 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 65596 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 83672 | 50.541 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 101.080% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 58176 | 52.363 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.720% | | | |
| 50) Toluene-d8 | 8.641 | 98 | 194812 | 50.661 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.320% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 75851 | 51.423 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 102.840% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 26885 | 19.781 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 24599 | 18.663 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 21875 | 17.833 | ug/l | 99 |
| 5) Bromomethane | 1.599 | 94 | 10427 | 18.326 | ug/l | 95 |
| 6) Chloroethane | 1.672 | 64 | 12552 | 19.167 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.880 | 101 | 36086 | 19.905 | ug/l | 98 |
| 8) Diethyl Ether | 2.130 | 74 | 11857 | 19.212 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 22550 | 20.099 | ug/l | 99 |
| 10) Methyl Iodide | 2.447 | 142 | 23690 | 17.845 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.965 | 59 | 24727 | 106.404 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 20358 | 19.334 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 22886 | 86.476 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 40722 | 20.236 | ug/l | 98 |
| 15) Acrylonitrile | 3.056 | 53 | 69823 | 105.077 | ug/l | 98 |
| 16) Acetone | 2.380 | 43 | 66843 | 100.699 | ug/l | 100 |
| 17) Carbon Disulfide | 2.508 | 76 | 38442 | 15.399 | ug/l | 97 |
| 18) Methyl Acetate | 2.703 | 43 | 37888 | 24.597 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 76286 | 20.665 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 23645 | 18.588 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 20167 | 19.045 | ug/l | 97 |
| 22) Diisopropyl ether | 3.751 | 45 | 81936 | 21.078 | ug/l # | 82 |
| 23) Vinyl Acetate | 3.715 | 43 | 344264 | 100.693 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 43994 | 20.320 | ug/l | 98 |
| 25) 2-Butanone | 4.550 | 43 | 101247 | 105.062 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 32985 | 19.464 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 26053 | 20.438 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 23073 | 22.139 | ug/l | 95 |
| 29) Tetrahydrofuran | 5.001 | 42 | 64602 | 106.980 | ug/l | 98 |
| 30) Chloroform | 5.086 | 83 | 47289 | 20.955 | ug/l | 95 |
| 31) Cyclohexane | 5.458 | 56 | 37029 | 18.768 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 39986 | 20.440 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 28160 | 18.864 | ug/l | 97 |
| 37) Ethyl Acetate | 4.708 | 43 | 37243 | 20.193 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 34138 | 20.354 | ug/l | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 35346 | 18.392 | ug/l | 95 |
| 40) Benzene | 6.031 | 78 | 88565 | 20.255 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046334.D
Acq On : 23 May 2025 10:57
Operator : JC/MD
Sample : VX0523WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Quant Time: May 23 22:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 21949 | 22.750 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 39039 | 20.687 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.336 | 43 | 58465 | 20.779 | ug/l | | 98 |
| 44) Trichloroethene | 7.116 | 130 | 20856 | 19.818 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 22887 | 21.051 | ug/l | | 95 |
| 46) Dibromomethane | 7.574 | 93 | 17401 | 20.292 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 35210 | 20.847 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.690 | 41 | 30700 | 21.365 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 11623 | 426.008 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.567 | 43 | 204759 | 109.635 | ug/l | | 98 |
| 52) Toluene | 8.714 | 92 | 54660 | 20.387 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 29346 | 19.548 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 34425 | 20.748 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 23071 | 21.823 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.110 | 69 | 35941 | 21.331 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 38963 | 20.522 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 92851 | 108.093 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 150965 | 109.257 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.518 | 129 | 24359 | 20.981 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 22797 | 20.748 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 19995 | 20.878 | ug/l | | 94 |
| 65) Chlorobenzene | 10.073 | 112 | 59694 | 20.149 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 20790 | 20.551 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 105906 | 20.280 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 77627 | 40.642 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 38262 | 20.548 | ug/l | | 96 |
| 70) Styrene | 10.652 | 104 | 63992 | 20.979 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 14711 | 19.369 | ug/l | # | 97 |
| 73) Isopropylbenzene | 10.957 | 105 | 103395 | 20.246 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 50382 | 19.965 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 36107 | 20.176 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 39072 | 24.746 | ug/l | | 86 |
| 77) Bromobenzene | 11.195 | 156 | 23688 | 19.979 | ug/l | | 100 |
| 78) n-propylbenzene | 11.299 | 91 | 120436 | 20.282 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 76565 | 19.991 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 88181 | 20.669 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 9236 | 19.044 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 86969 | 20.476 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 86219 | 20.063 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 88916 | 20.580 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 108908 | 20.640 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 88860 | 20.402 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 43379 | 20.048 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 43812 | 19.826 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 76398 | 19.997 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 14567 | 18.984 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 44827 | 20.645 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 8025 | 20.242 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 24140 | 19.356 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 11016 | 20.225 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 87267 | 19.079 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 24990 | 19.420 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046334.D
Acq On : 23 May 2025 10:57
Operator : JC/MD
Sample : VX0523WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Quant Time: May 23 22:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

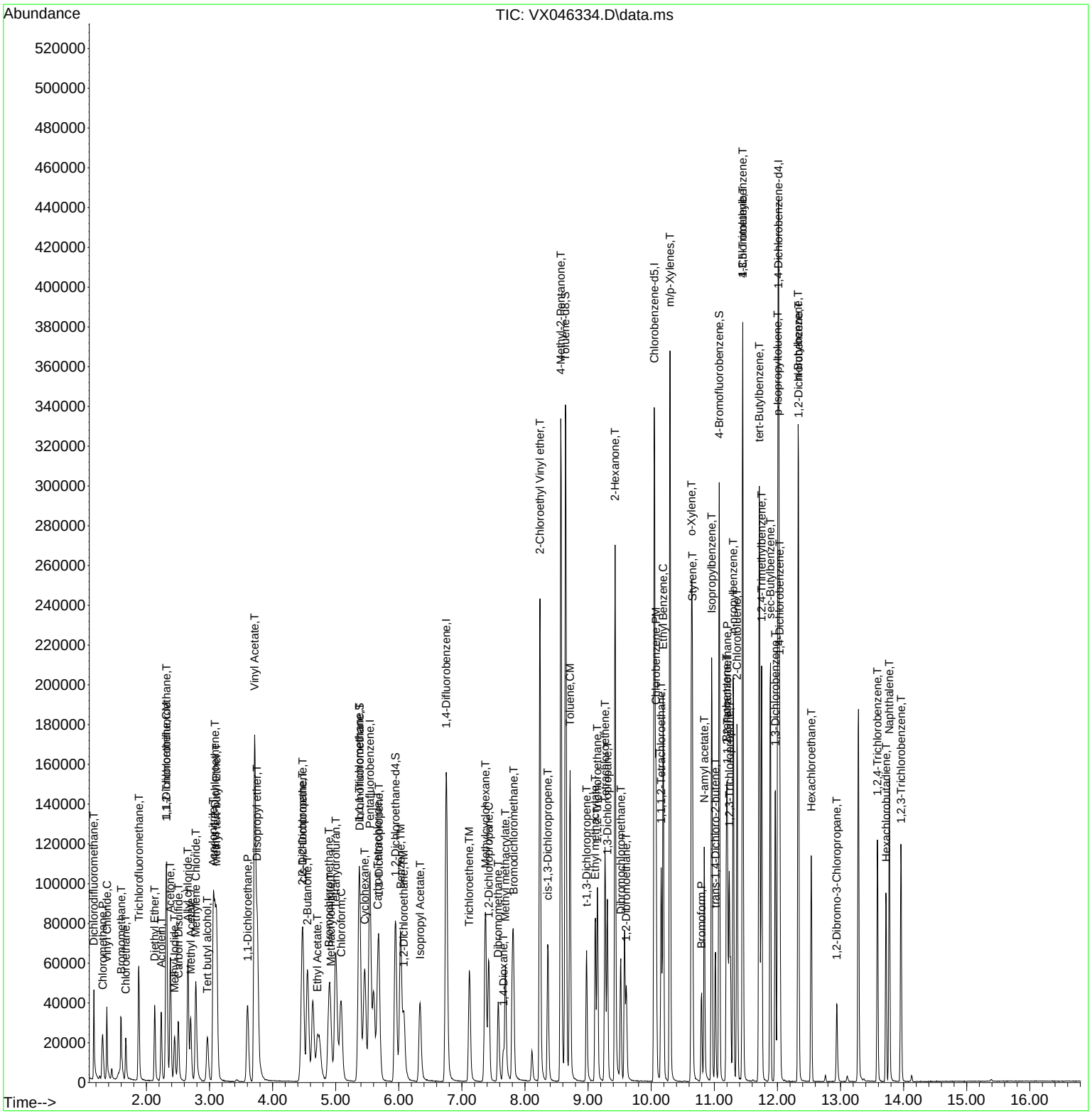
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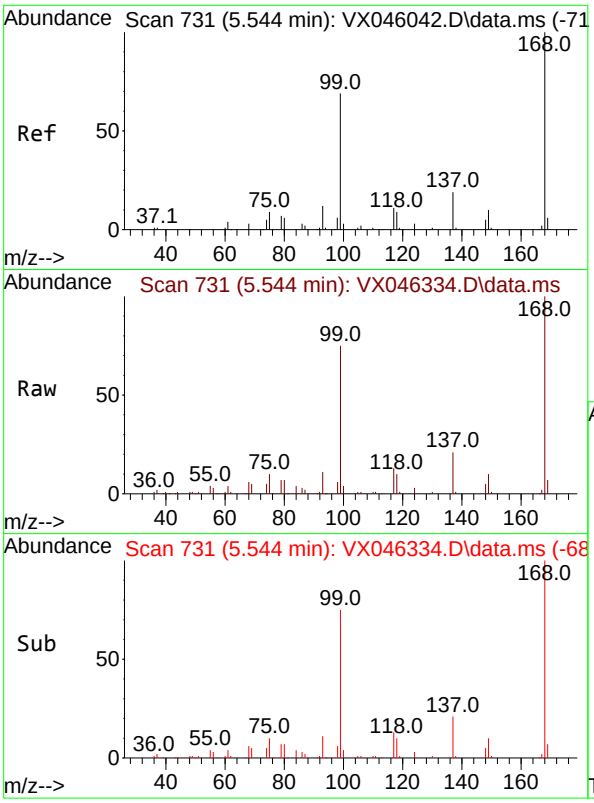
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046334.D
Acq On : 23 May 2025 10:57
Operator : JC/MD
Sample : VX0523WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Quant Time: May 23 22:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



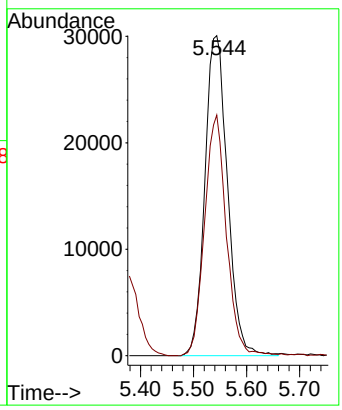


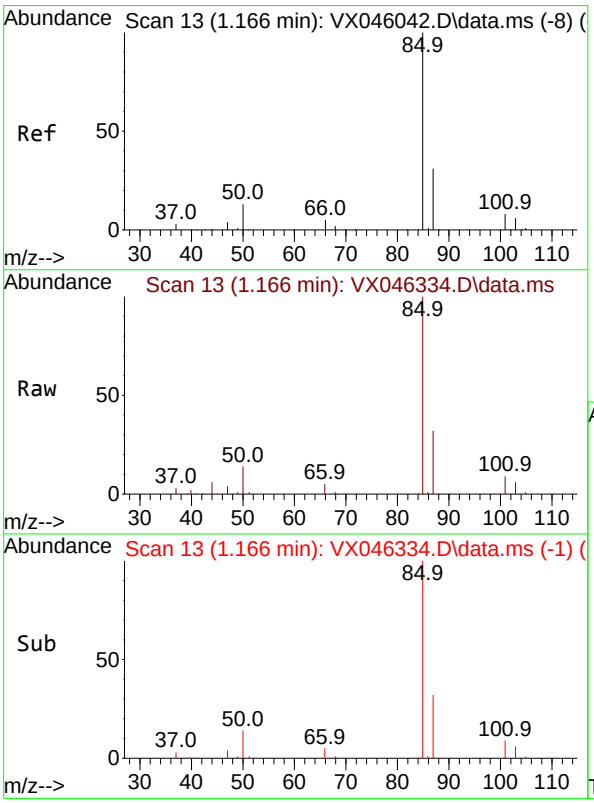

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:168 Resp: 88801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 75.2 | 54.9 | 82.3 |

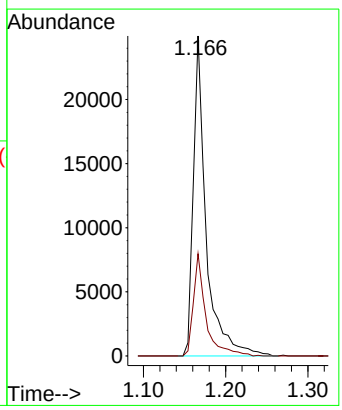


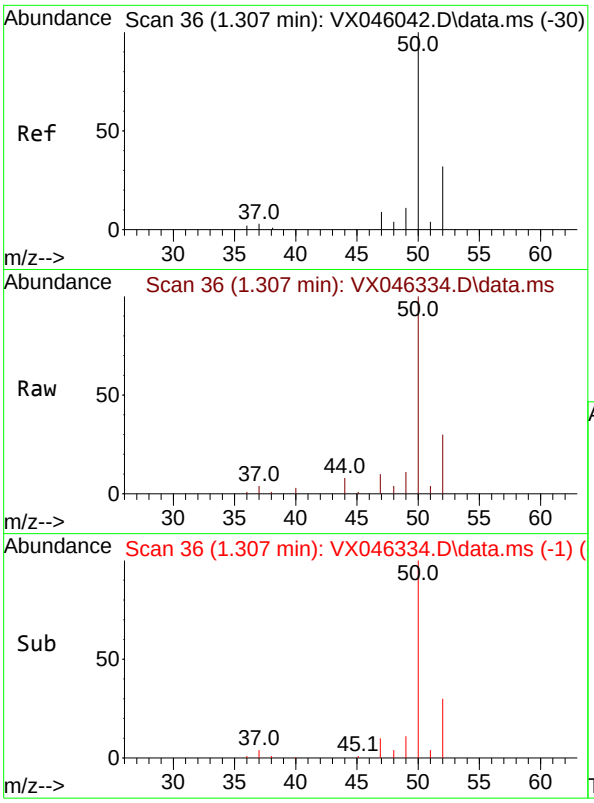




#2
Dichlorodifluoromethane
Concen: 19.781 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 85 Resp: 26885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.0 | 15.7 | 47.1 |



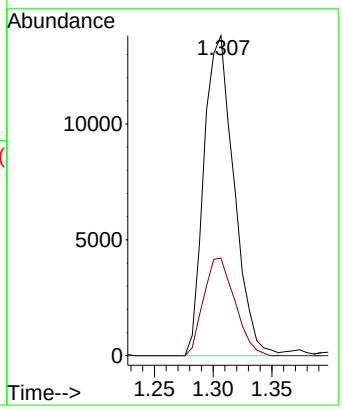


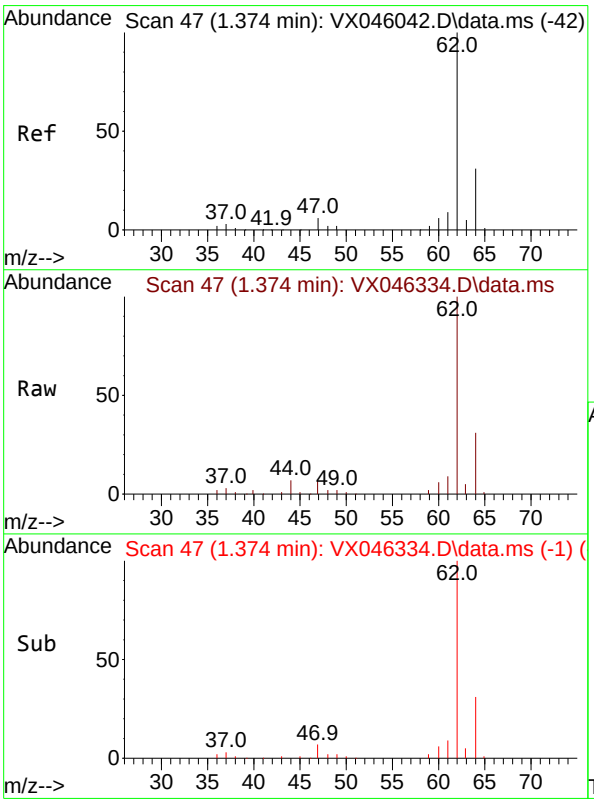

#3
Chloromethane
Concen: 18.663 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 50 Resp: 24599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.5 | 25.4 | 38.2 |

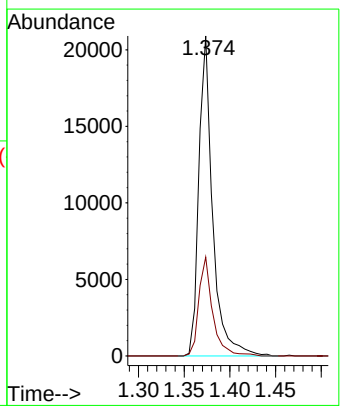


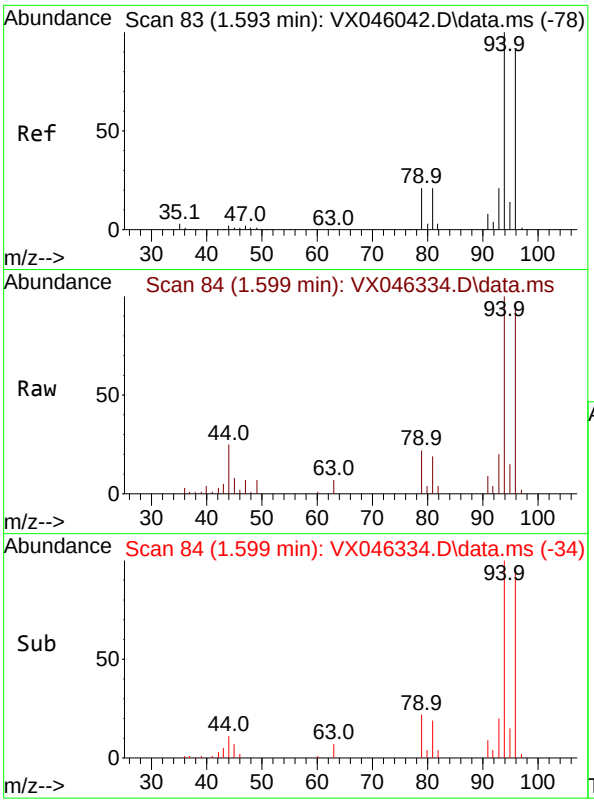




#4
Vinyl Chloride
Concen: 17.833 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 62 Resp: 21875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.9 | 25.2 | 37.8 |



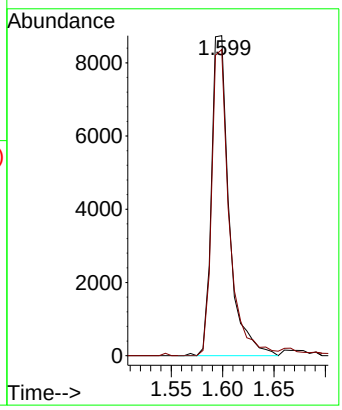


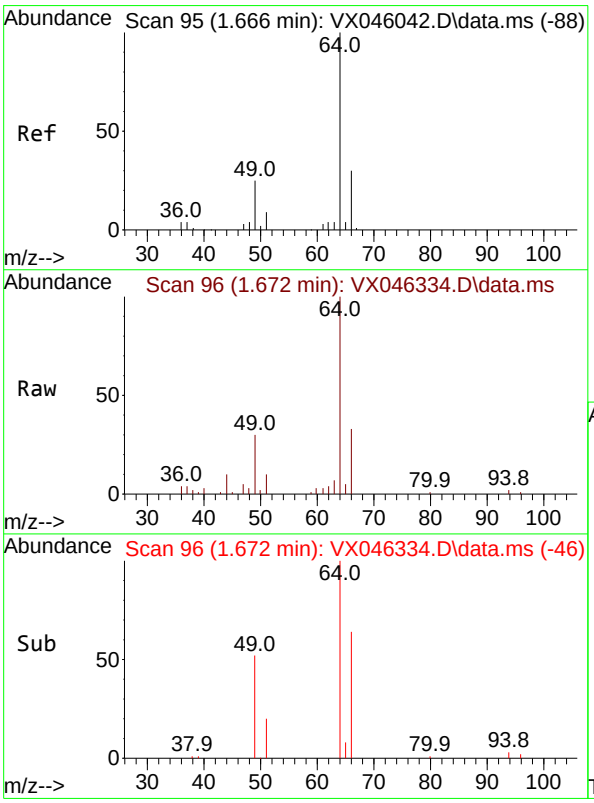

#5
Bromomethane
Concen: 18.326 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 94 Resp: 10427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.6 | 72.8 | 109.2 |

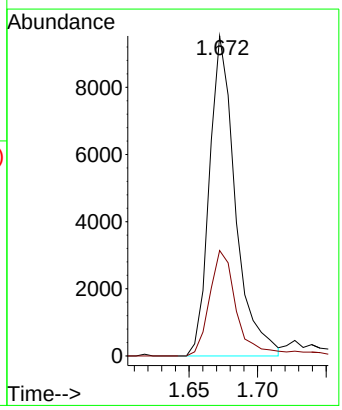


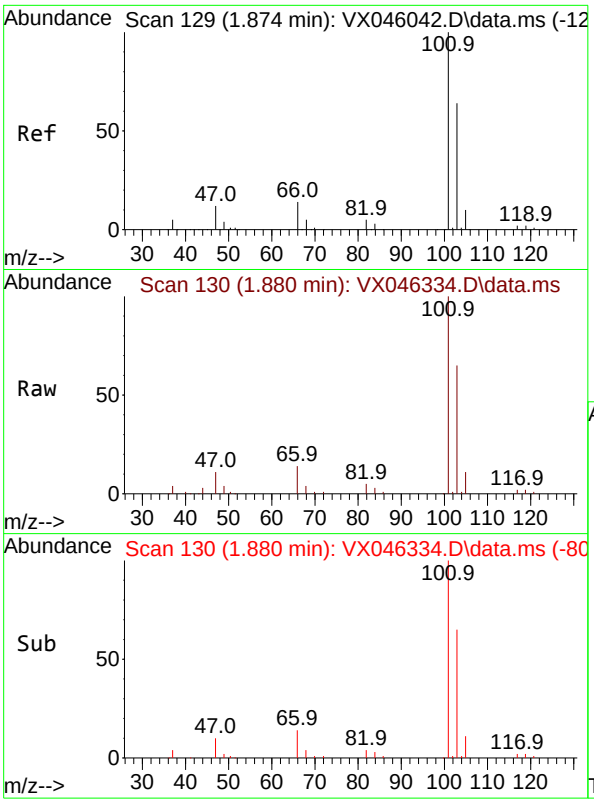




#6
Chloroethane
Concen: 19.167 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 64 Resp: 12552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.9 | 24.3 | 36.5 |



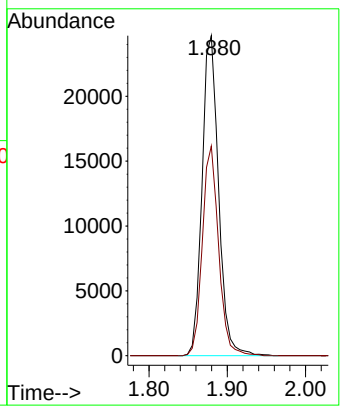


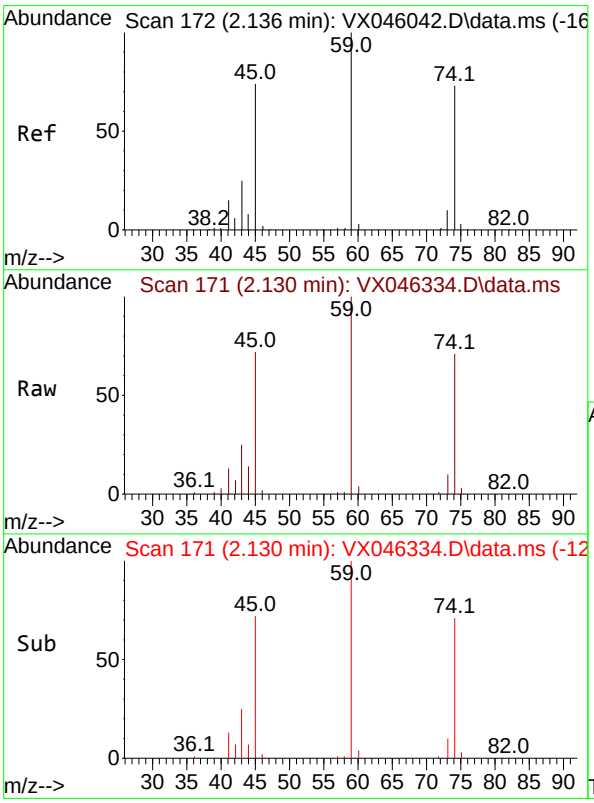

#7
Trichlorofluoromethane
Concen: 19.905 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:101 Resp: 36086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 51.0 | 76.4 |

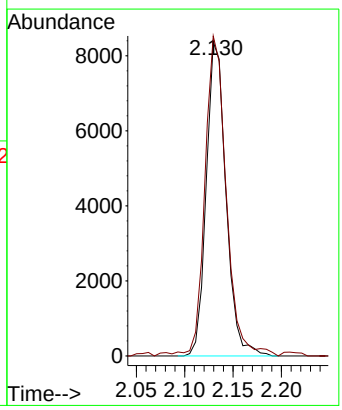


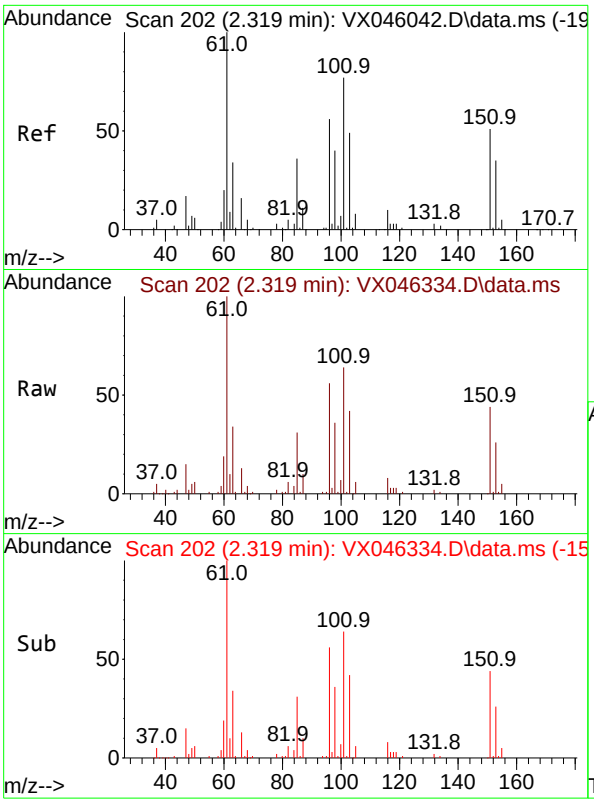




#8
Diethyl Ether
Concen: 19.212 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 74 Resp: 11857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 109.9 | 54.9 | 164.8 |



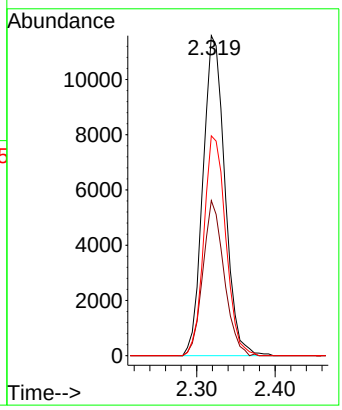


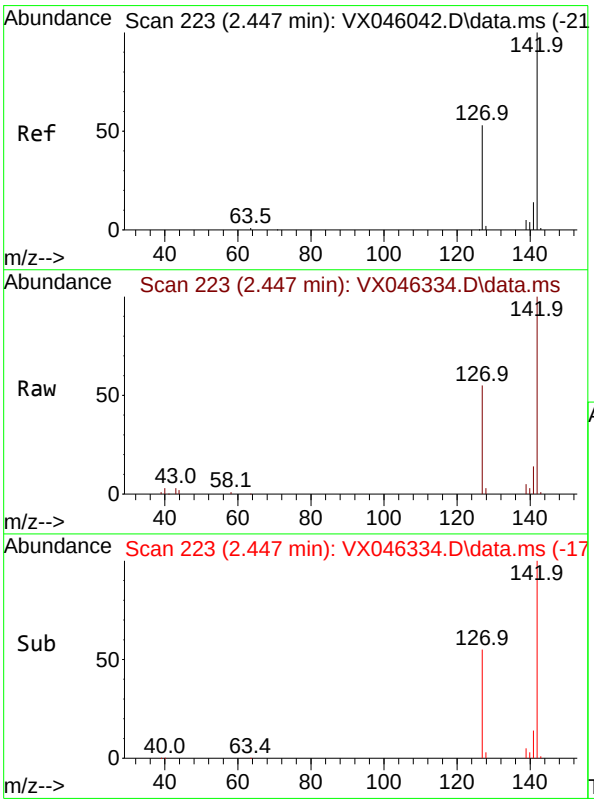

#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.099 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:101 Resp: 22550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.6 | 38.6 | 58.0 |
| 151 | 68.6 | 55.2 | 82.8 |

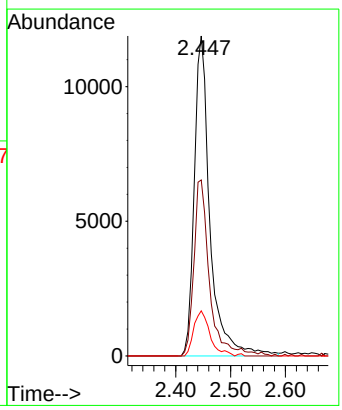


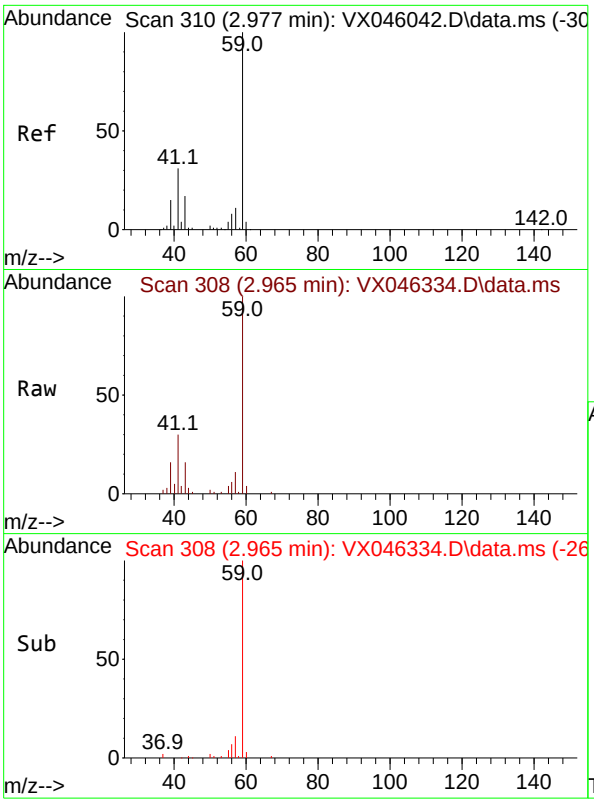




#10
Methyl Iodide
Concen: 17.845 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:142 Resp: 23690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 55.0 | 41.7 | 62.5 |
| 141 | 14.6 | 11.5 | 17.3 |



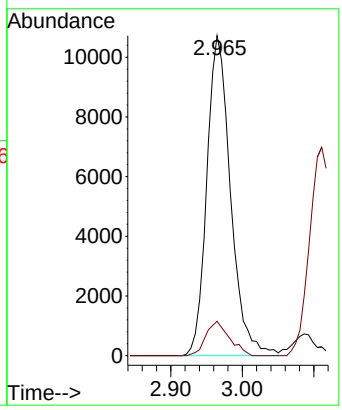


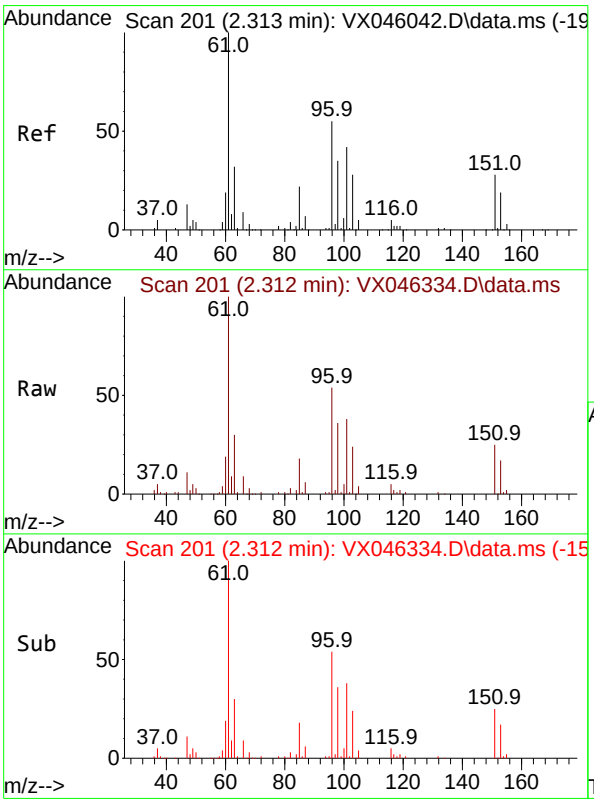

#11
Tert butyl alcohol
Concen: 106.404 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 59 Resp: 24727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 8.6 | 12.8 |

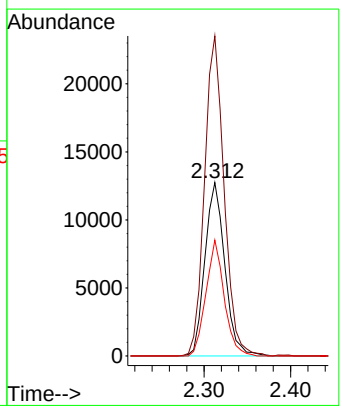


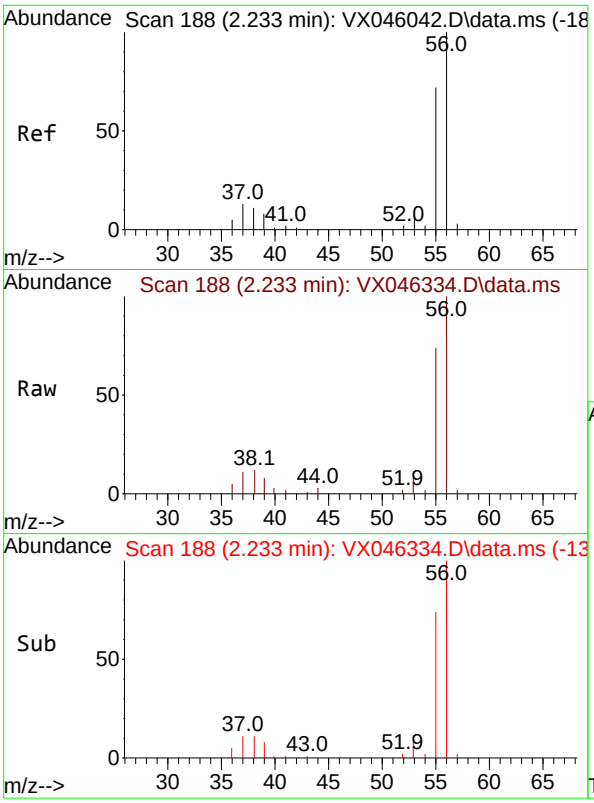




#12
1,1-Dichloroethene
Concen: 19.334 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 96 Resp: 20358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 184.5 | 146.2 | 219.2 |
| 98 | 66.8 | 51.0 | 76.6 |



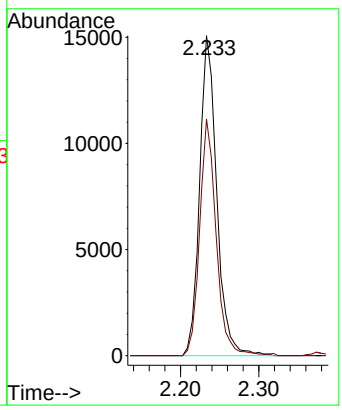


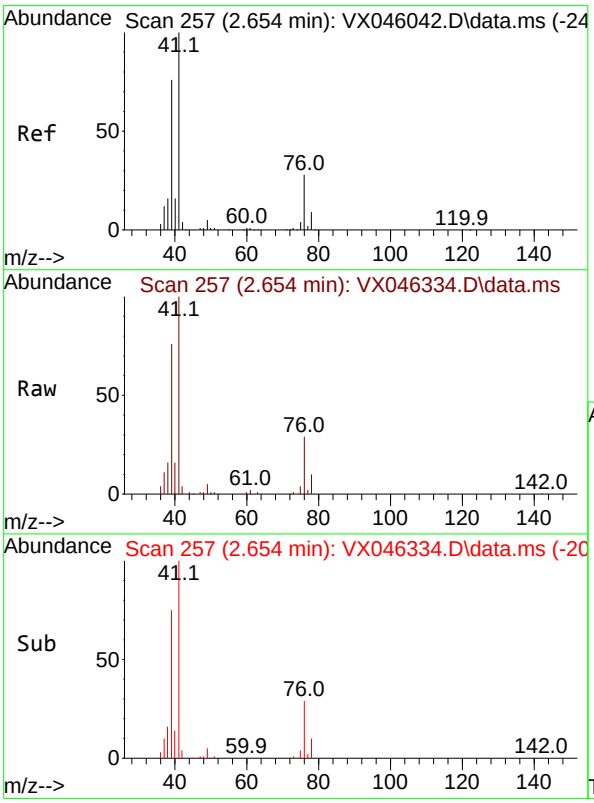

#13
Acrolein
Concen: 86.476 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 56 Resp: 22886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.5 | 56.2 | 84.4 |

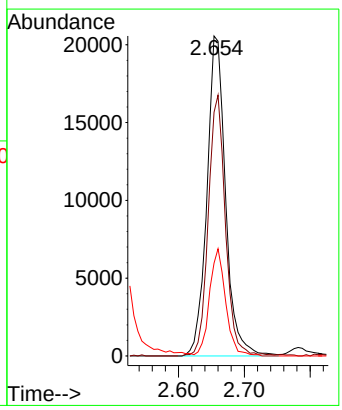


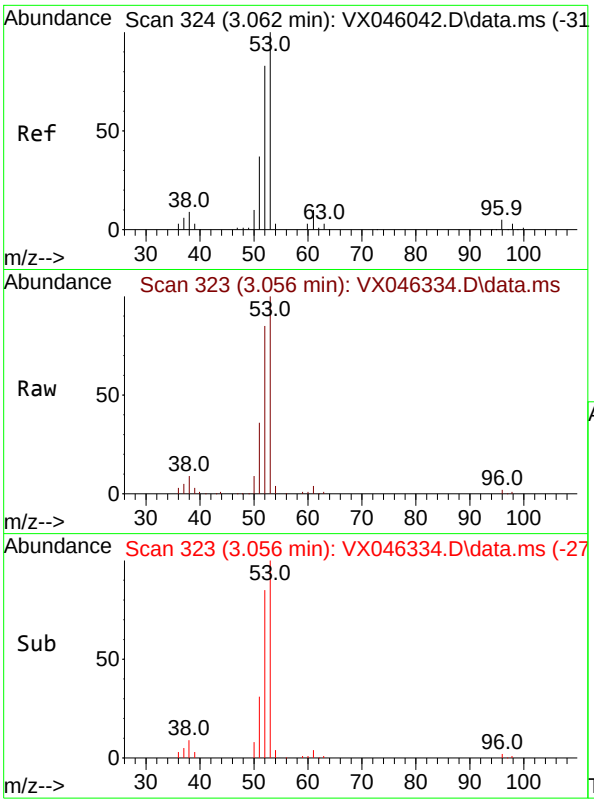




#14
Allyl chloride
Concen: 20.236 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 41 Resp: 40722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.6 | 60.6 | 90.8 |
| 76 | 29.0 | 24.9 | 37.3 |



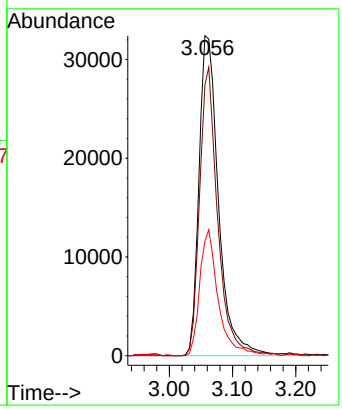


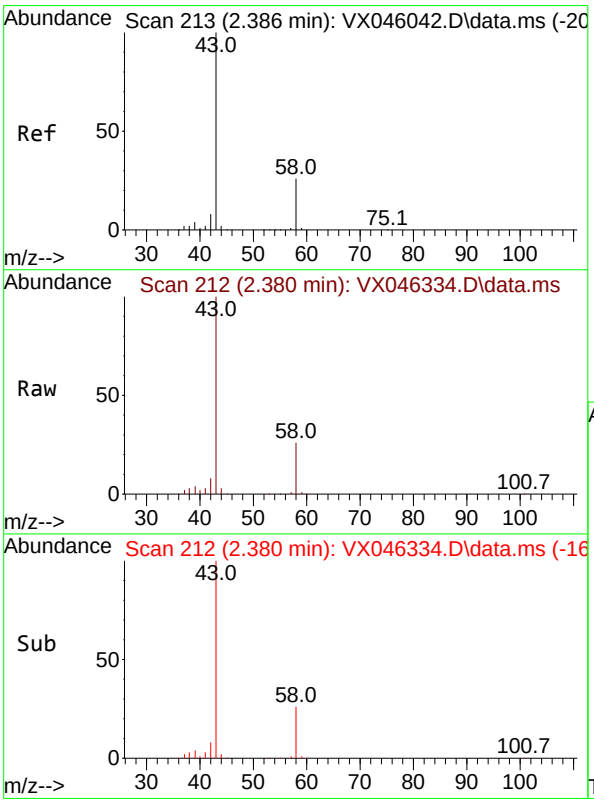

#15
Acrylonitrile
Concen: 105.077 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 53 Resp: 69823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 65.3 | 97.9 |
| 51 | 37.5 | 29.8 | 44.8 |

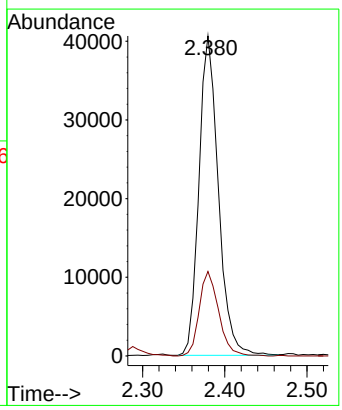


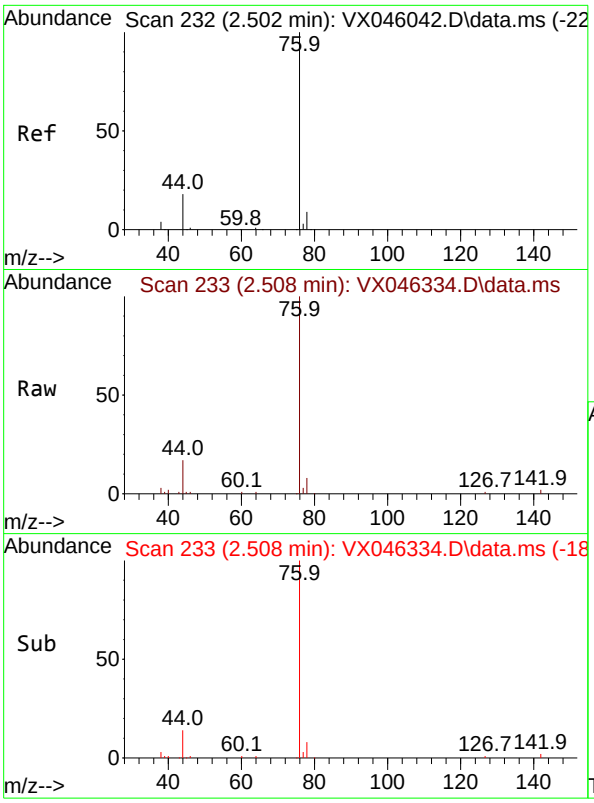




#16
Acetone
Concen: 100.699 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 43 Resp: 66843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.4 | 21.2 | 31.8 |



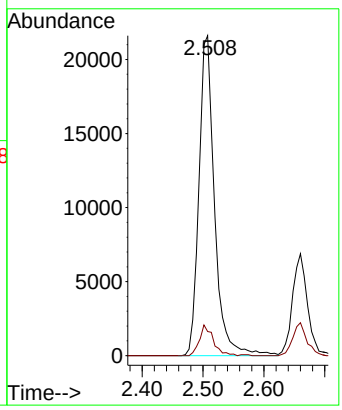


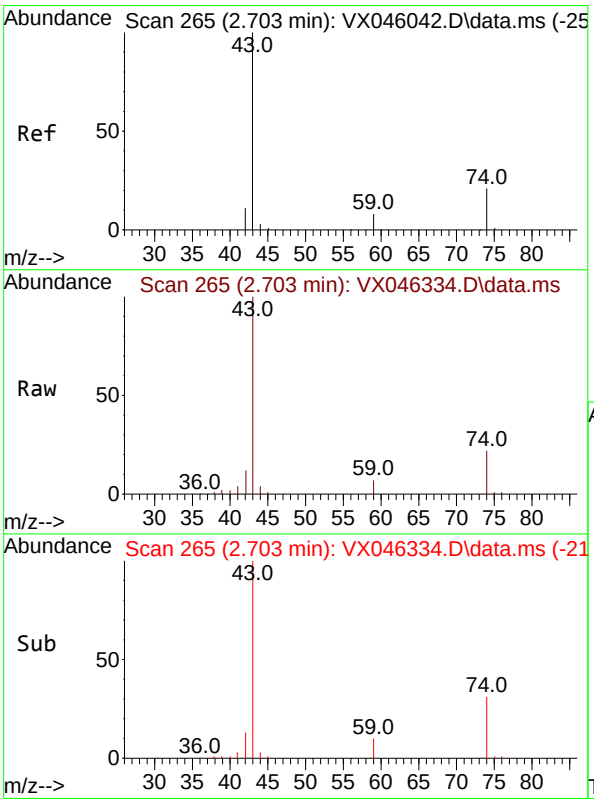

#17
Carbon Disulfide
Concen: 15.399 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 76 Resp: 38442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 7.5 | 7.0 | 10.4 |

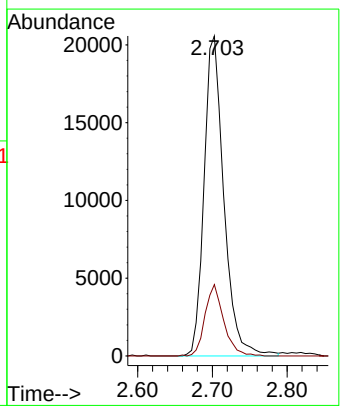


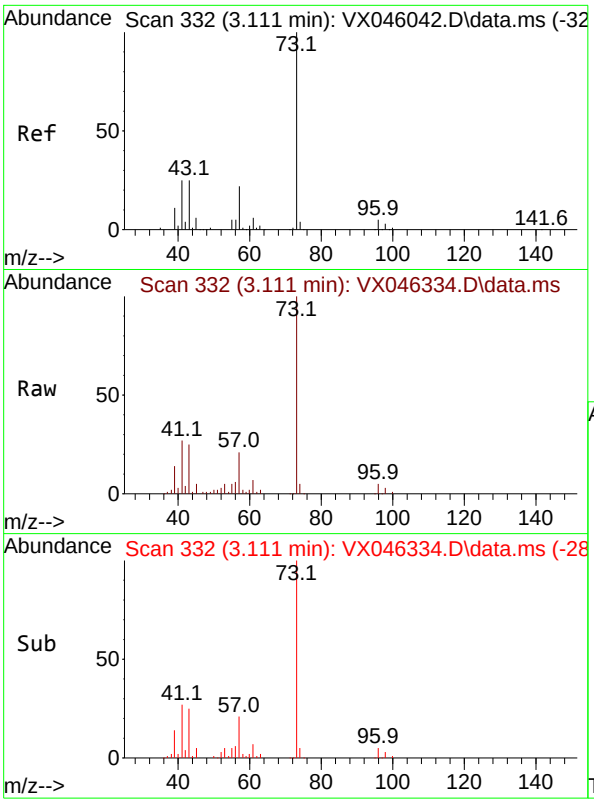




#18
Methyl Acetate
Concen: 24.597 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 43 Resp: 37888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.1 | 16.7 | 25.1 |



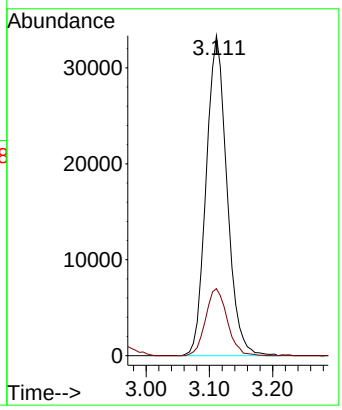


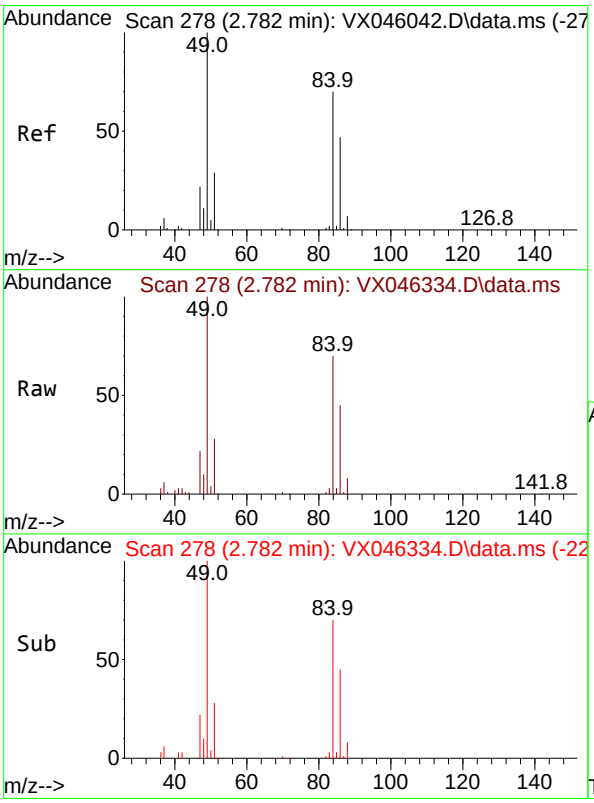

#19
Methyl tert-butyl Ether
Concen: 20.665 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 73 Resp: 76286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.0 | 17.7 | 26.5 |

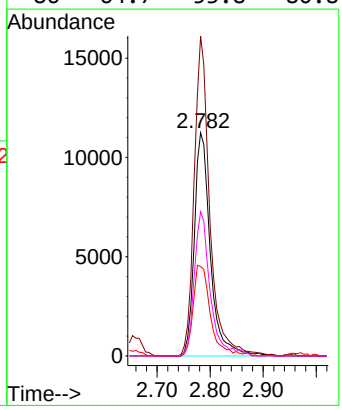


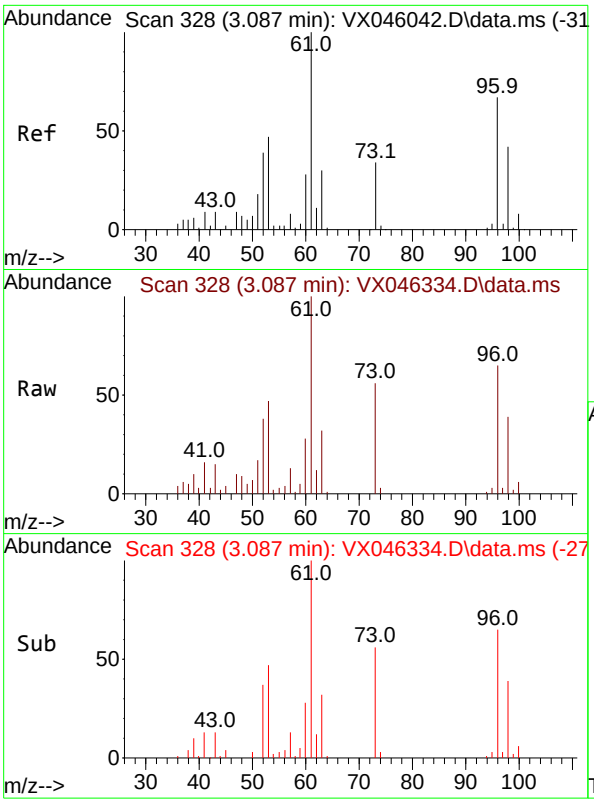




#20
Methylene Chloride
Concen: 18.588 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 84 Resp: 23645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 143.3 | 113.9 | 170.9 |
| 51 | 40.0 | 33.5 | 50.3 |
| 86 | 64.7 | 53.8 | 80.8 |



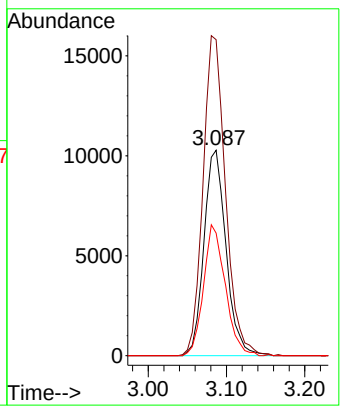


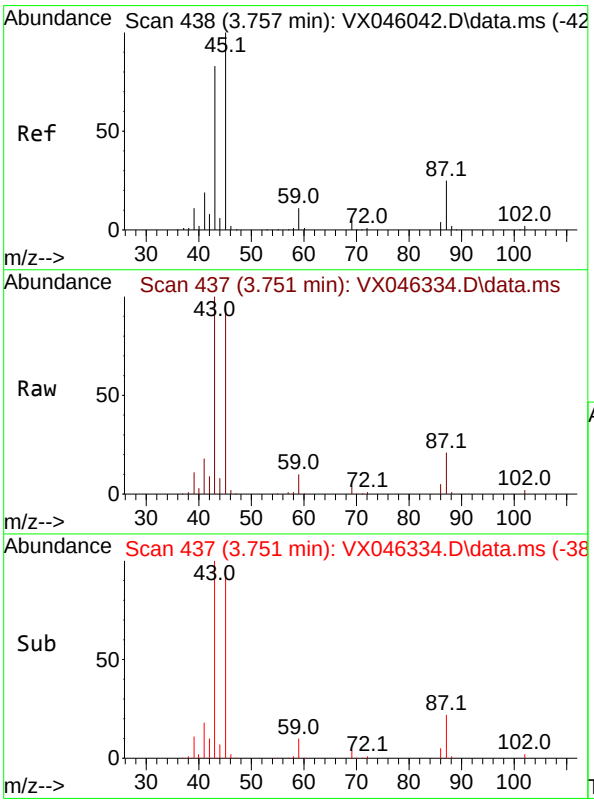

#21
trans-1,2-Dichloroethene
Concen: 19.045 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 96 Resp: 20167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 153.7 | 119.5 | 179.3 |
| 98 | 59.7 | 50.0 | 75.0 |

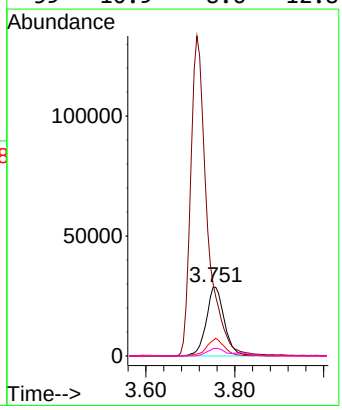


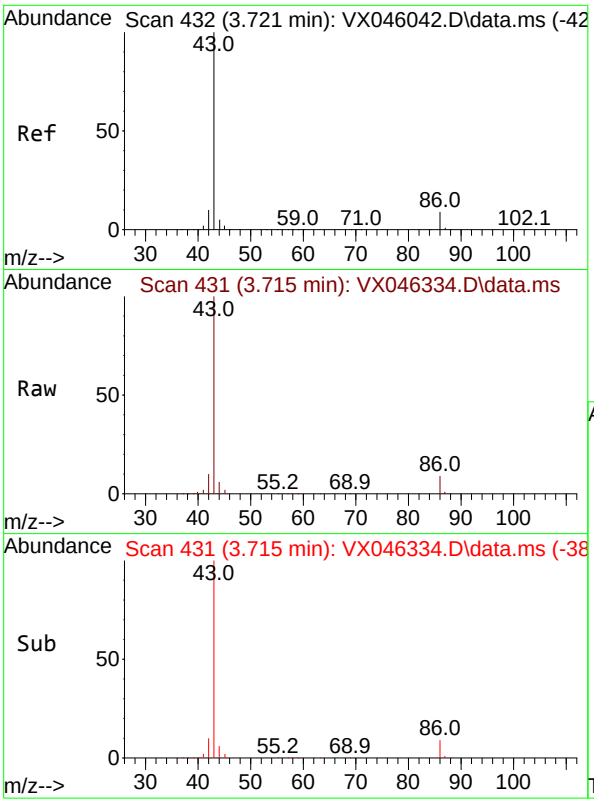




#22
Diisopropyl ether
Concen: 21.078 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 45 Resp: 81936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 104.7 | 66.6 | 100.0# |
| 87 | 22.6 | 19.8 | 29.6 |
| 59 | 10.9 | 8.6 | 12.8 |



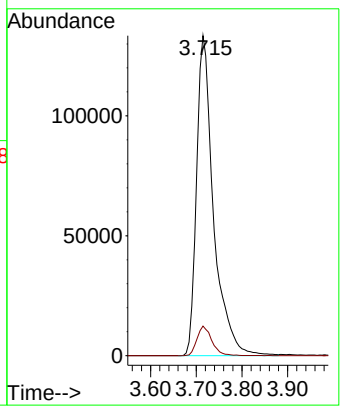


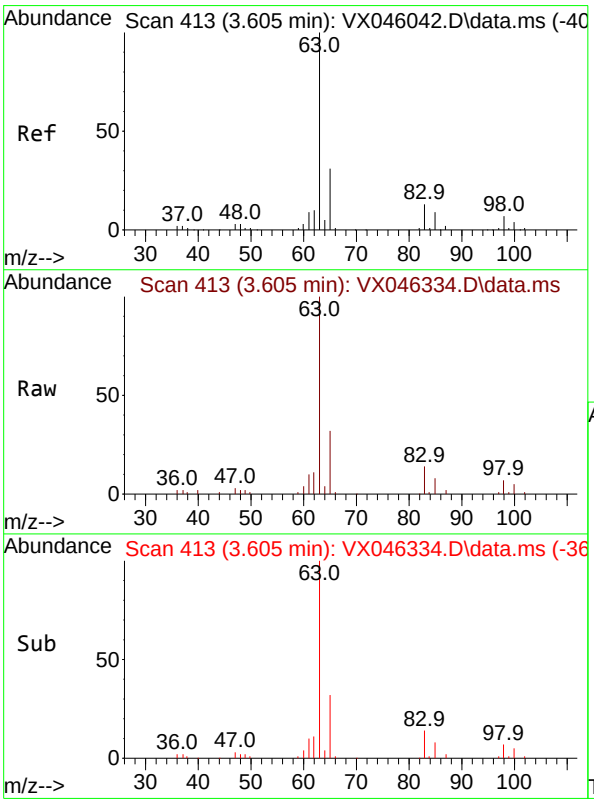

#23
Vinyl Acetate
Concen: 100.693 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 43 Resp: 344264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.3 | 7.5 | 11.3 |

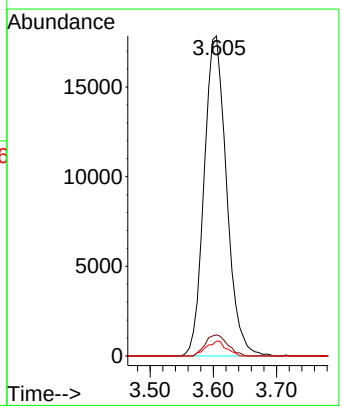


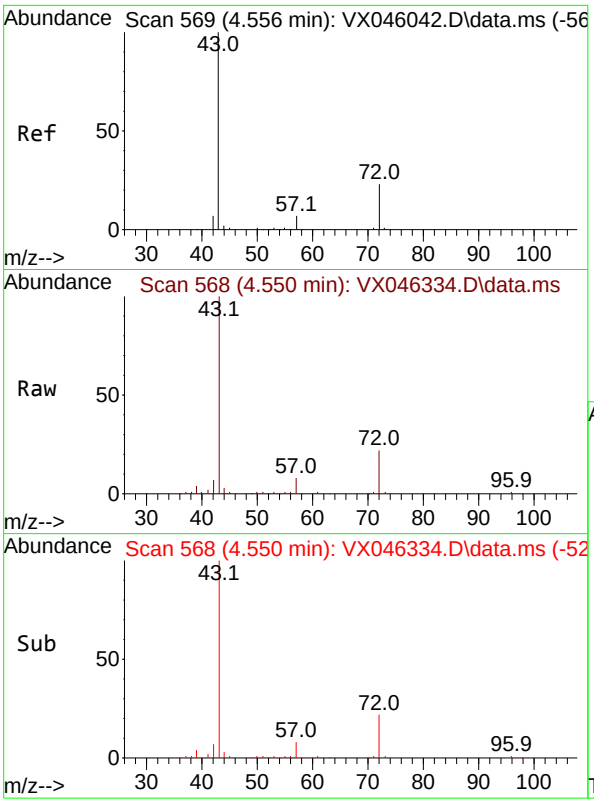




#24
1,1-Dichloroethane
Concen: 20.320 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 63 Resp: 43994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.6 | 3.6 | 10.8 |
| 100 | 4.7 | 2.1 | 6.3 |



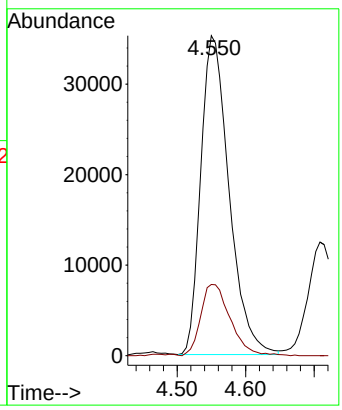


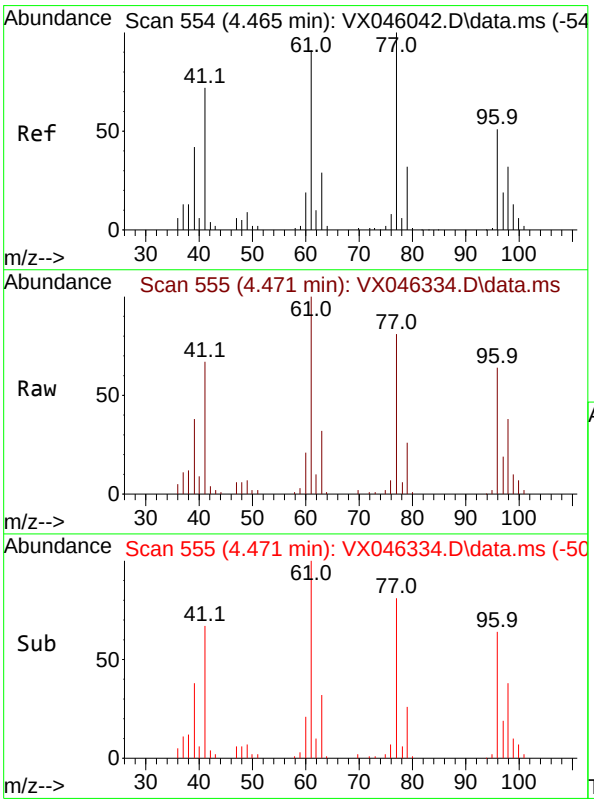

#25
2-Butanone
Concen: 105.062 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 43 Resp: 101247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.2 | 18.4 | 27.6 |

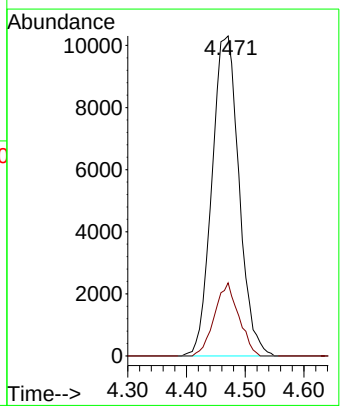


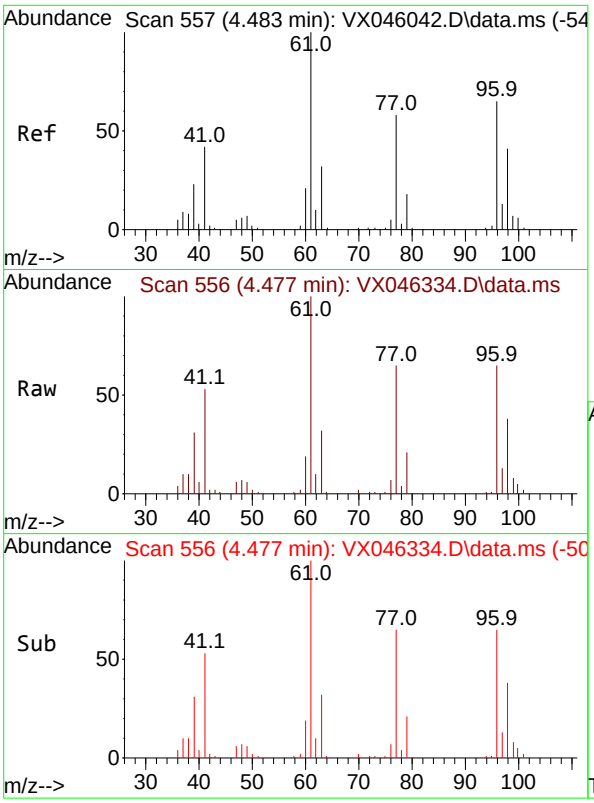




#26
2,2-Dichloropropane
Concen: 19.464 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 77 Resp: 32985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 20.5 | 10.5 | 31.5 |



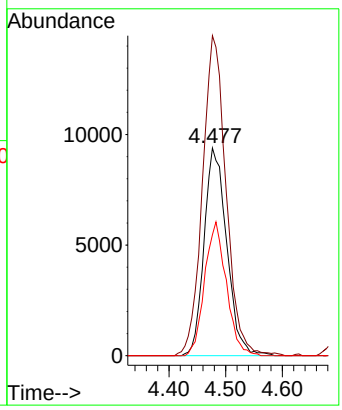


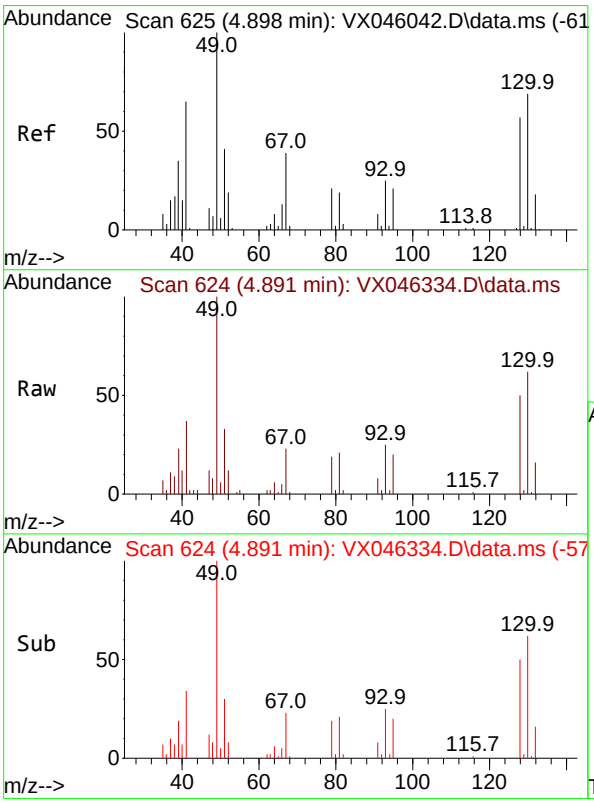

#27
cis-1,2-Dichloroethene
Concen: 20.438 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 96 Resp: 26053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.6 | 0.0 | 322.8 |
| 98 | 61.7 | 0.0 | 129.0 |

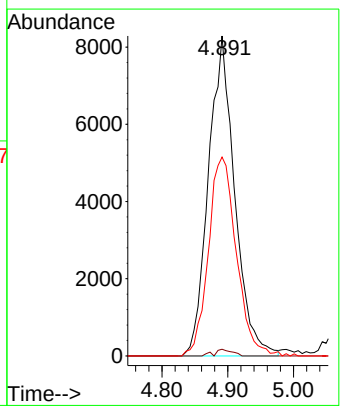


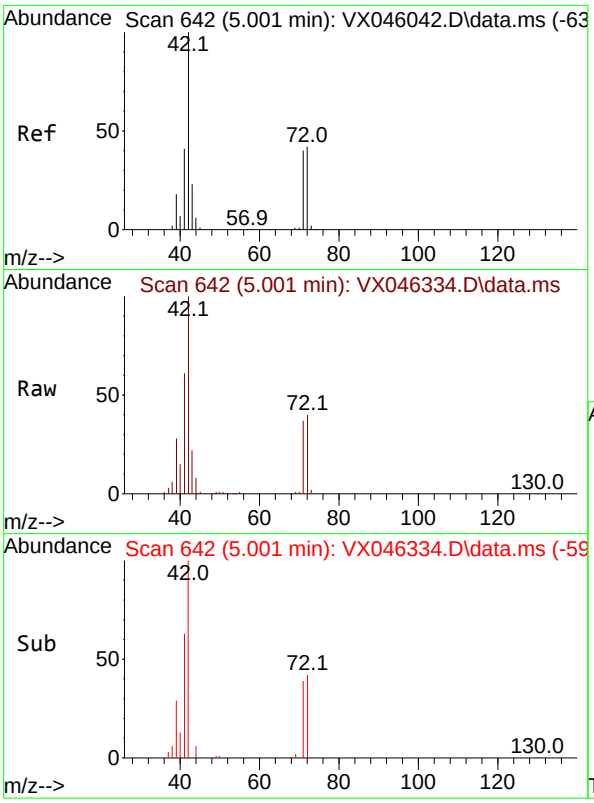




#28
Bromochloromethane
Concen: 22.139 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 49 Resp: 23073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.4 | 0.0 | 4.0 |
| 130 | 66.2 | 56.2 | 84.2 |



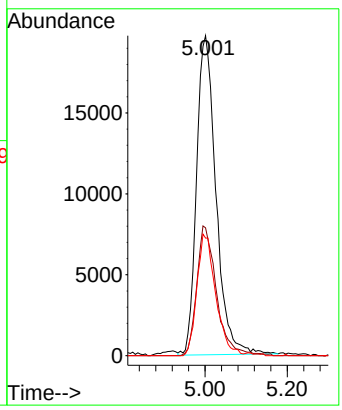


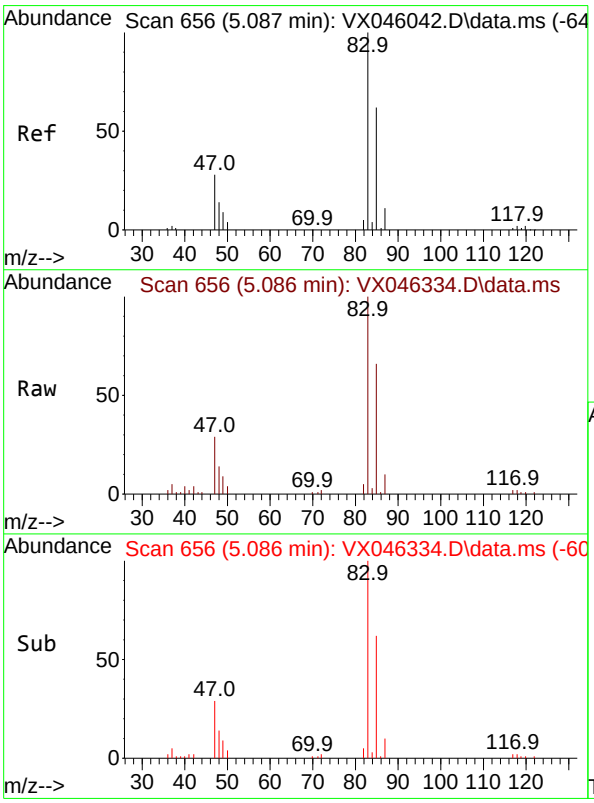

#29
Tetrahydrofuran
Concen: 106.980 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 42 Resp: 64602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.4 | 33.7 | 50.5 |
| 71 | 37.0 | 31.4 | 47.2 |

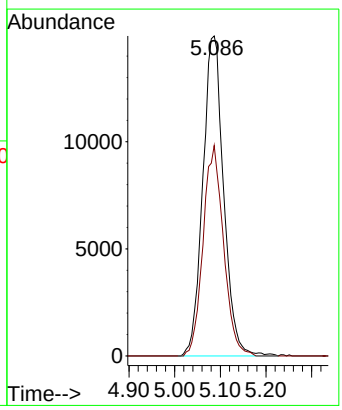


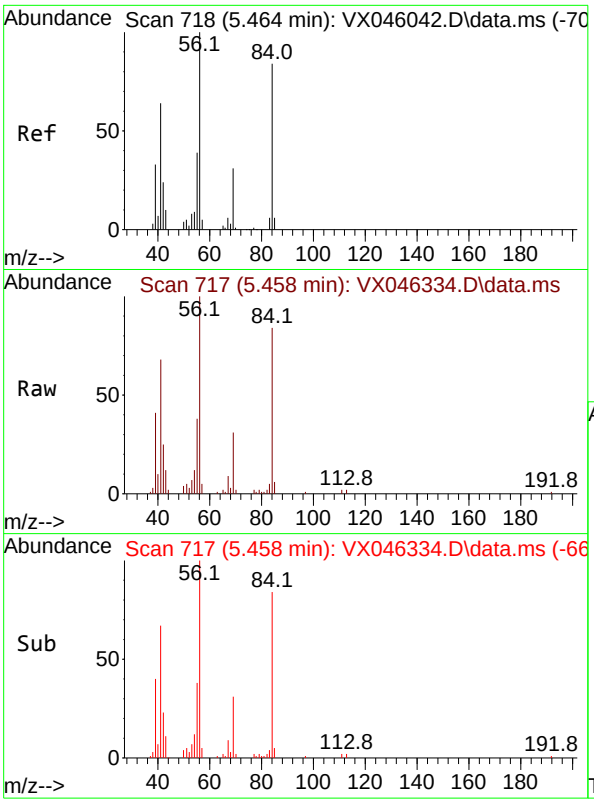




#30
Chloroform
Concen: 20.955 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 83 Resp: 47289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.7 | 49.3 | 73.9 |



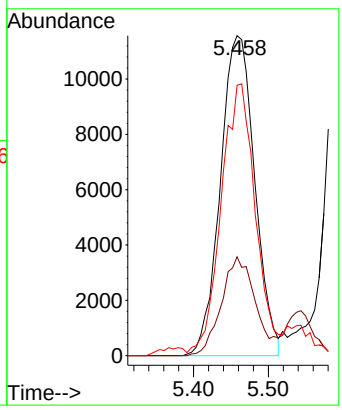


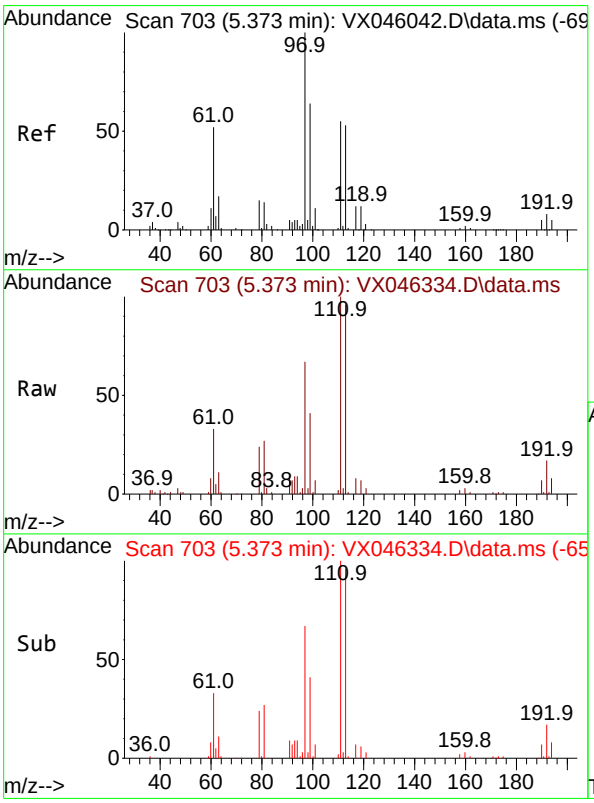

#31
Cyclohexane
Concen: 18.768 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 56 Resp: 37029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.9 | 24.4 | 36.6 |
| 84 | 82.0 | 66.9 | 100.3 |

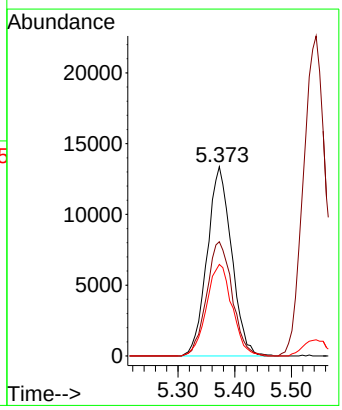


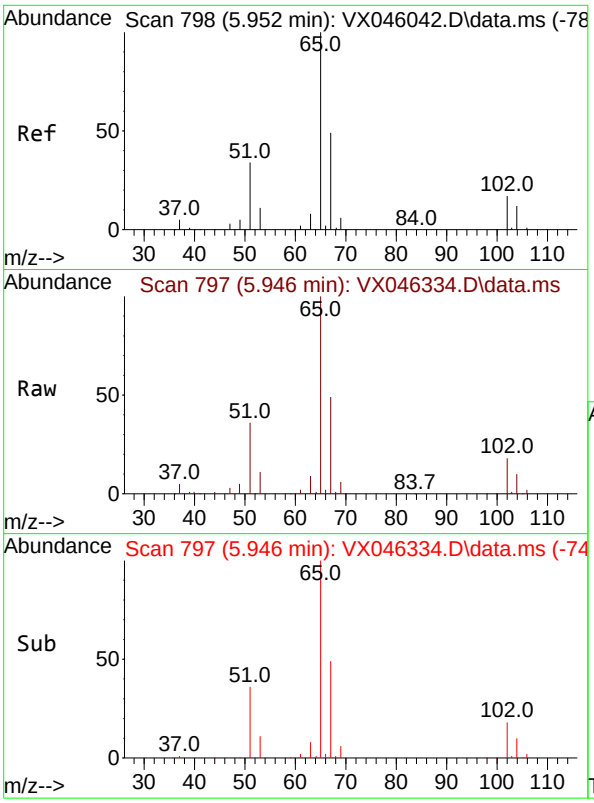




#32
1,1,1-Trichloroethane
Concen: 20.440 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 97 Resp: 39986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.0 | 51.8 | 77.6 |
| 61 | 50.6 | 40.1 | 60.1 |



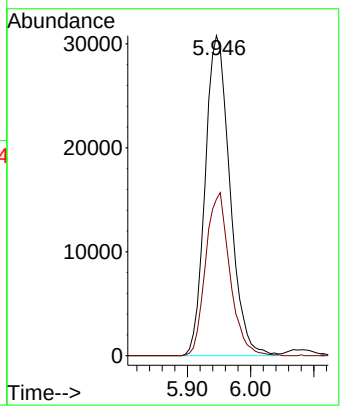


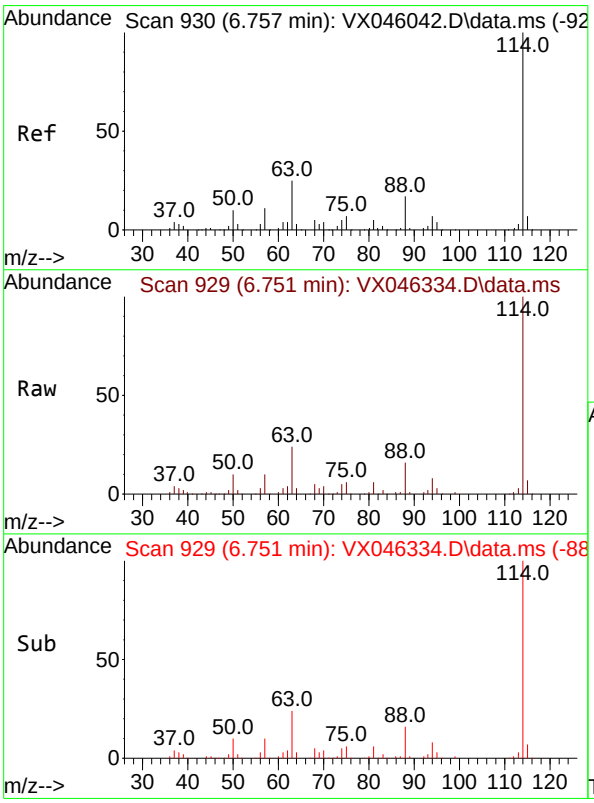

#33
1,2-Dichloroethane-d4
Concen: 50.541 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 65 Resp: 83672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.0 | 0.0 | 99.0 |

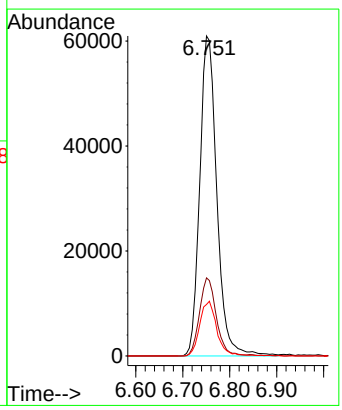


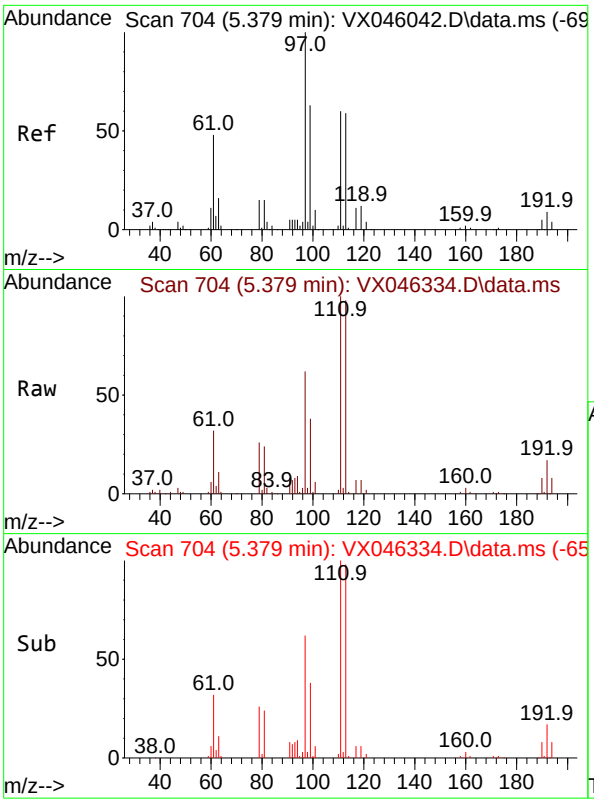




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:114 Resp: 154286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.4 | 0.0 | 49.2 |
| 88 | 16.1 | 0.0 | 33.6 |



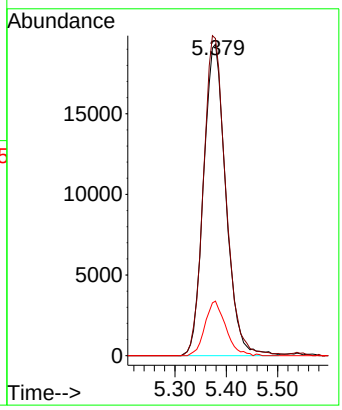


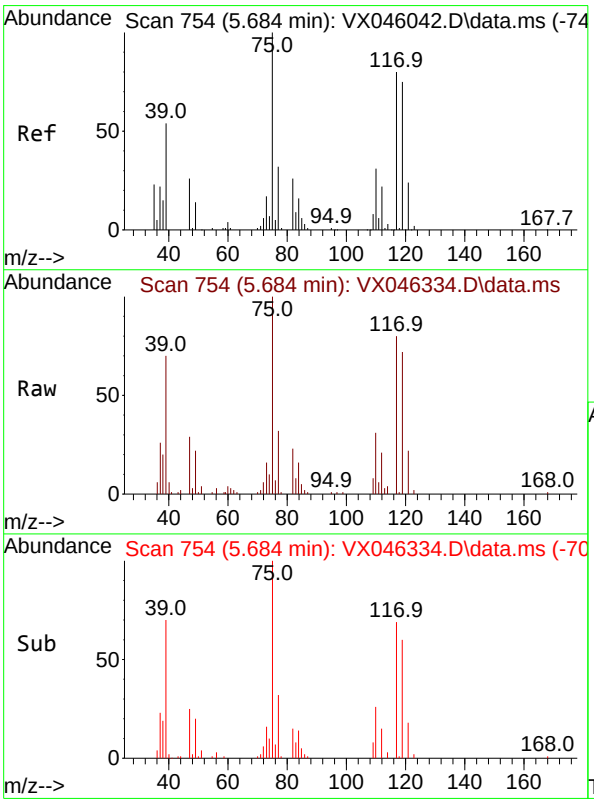

#35
Dibromofluoromethane
Concen: 52.363 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:113 Resp: 58176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 83.1 | 124.7 |
| 192 | 16.3 | 13.3 | 19.9 |

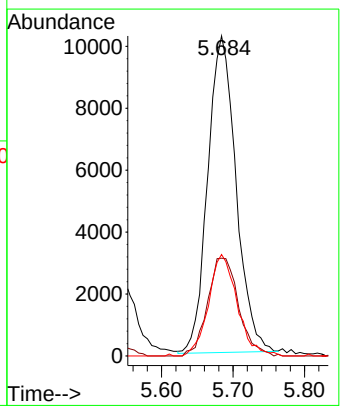


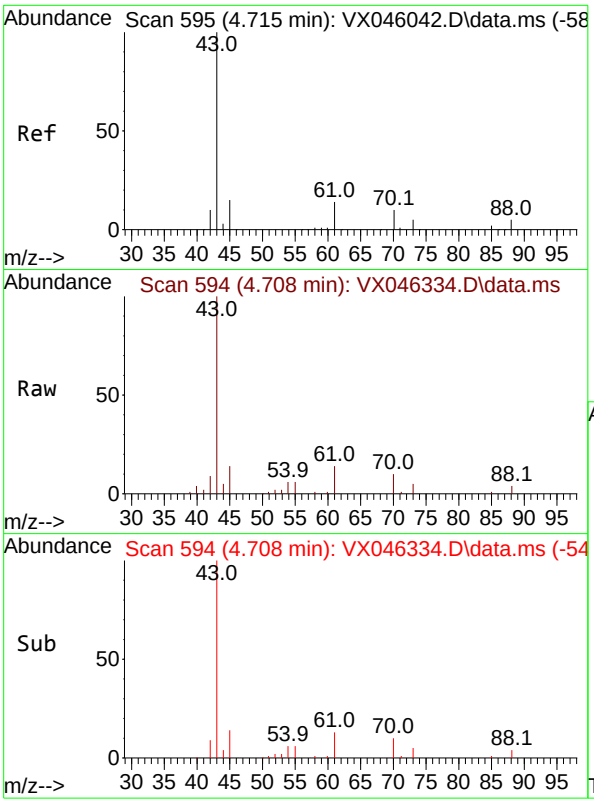




#36
1,1-Dichloropropene
Concen: 18.864 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 75 Resp: 28160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.8 | 16.3 | 48.9 |
| 77 | 32.4 | 24.3 | 36.5 |



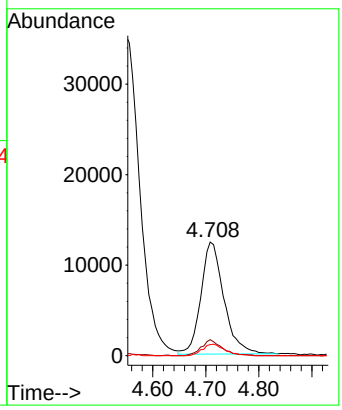


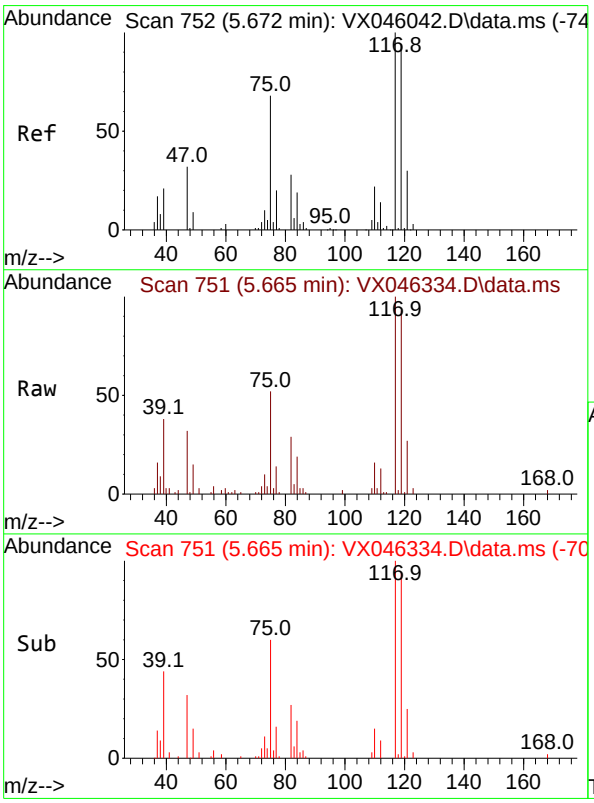

#37
Ethyl Acetate
Concen: 20.193 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 43 Resp: 37243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 10.3 | 15.5 |
| 70 | 10.0 | 7.9 | 11.9 |

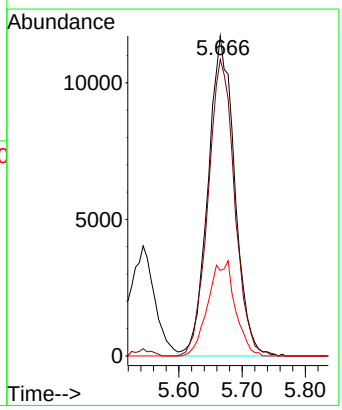


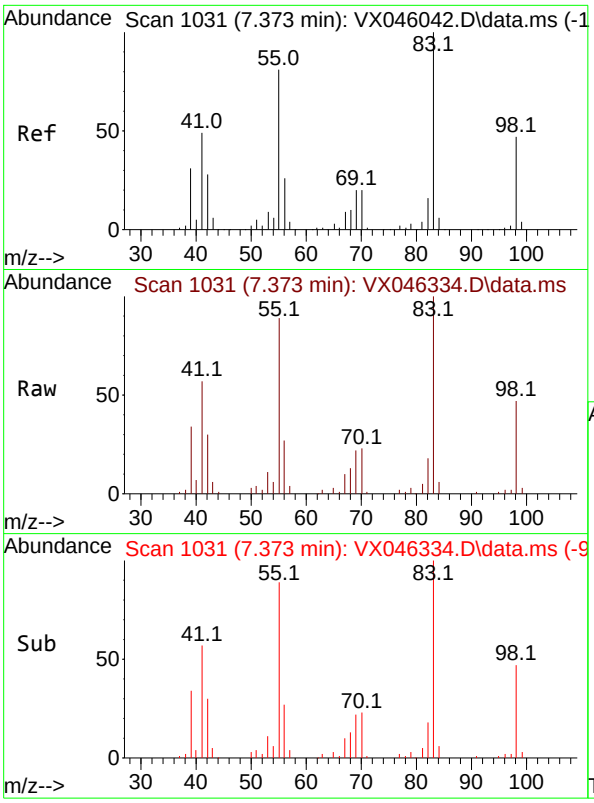




#38
Carbon Tetrachloride
Concen: 20.354 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:117 Resp: 34138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.6 | 75.2 | 112.8 |
| 121 | 26.8 | 24.2 | 36.4 |



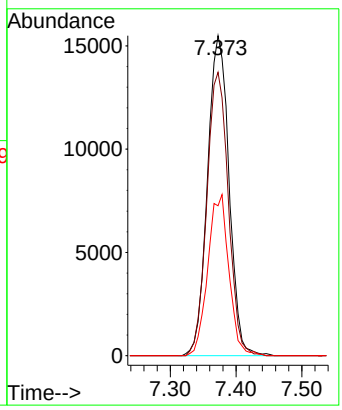


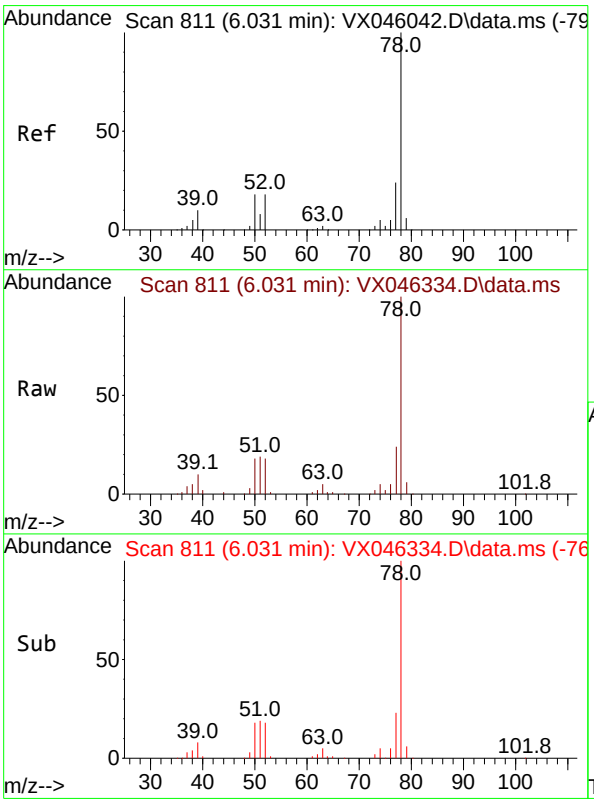

#39
Methylcyclohexane
Concen: 18.392 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 83 Resp: 35346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 88.5 | 64.7 | 97.1 |
| 98 | 46.8 | 37.4 | 56.2 |

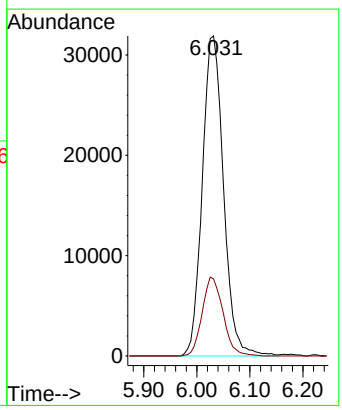


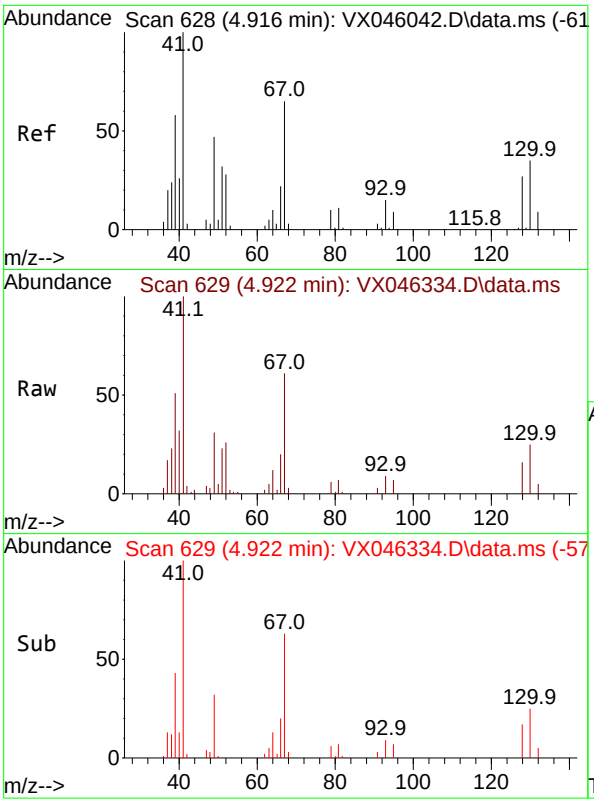




#40
Benzene
Concen: 20.255 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 78 Resp: 88565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 19.0 | 28.4 |



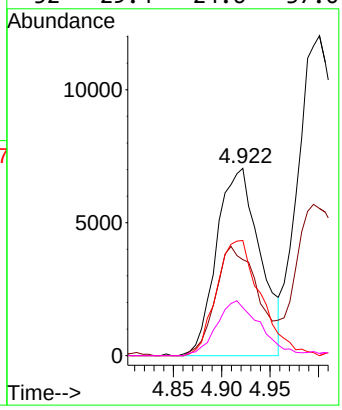


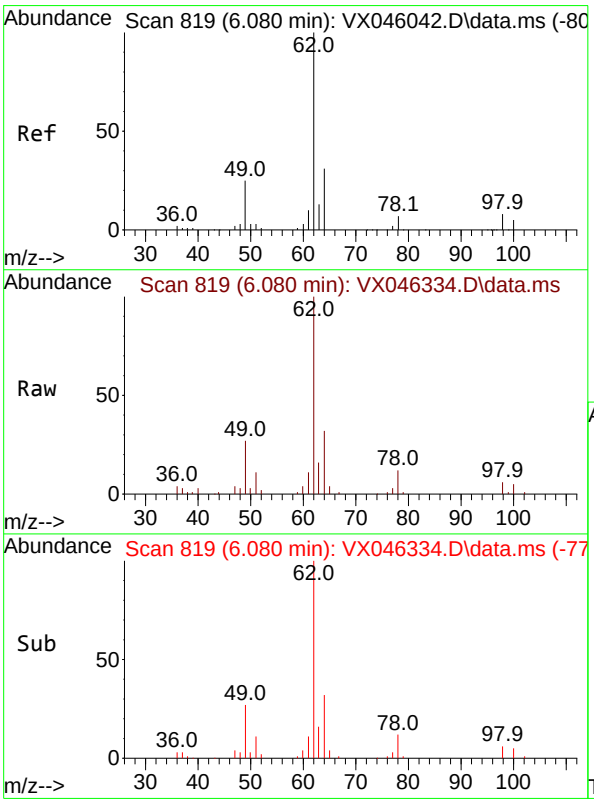

#41
Methacrylonitrile
Concen: 22.750 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 41 Resp: 21949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.8 | 47.2 | 70.8 |
| 67 | 62.9 | 50.7 | 76.1 |
| 52 | 29.4 | 24.6 | 37.0 |

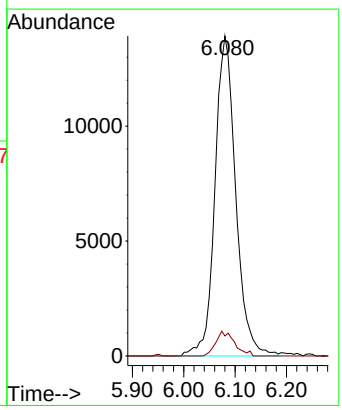


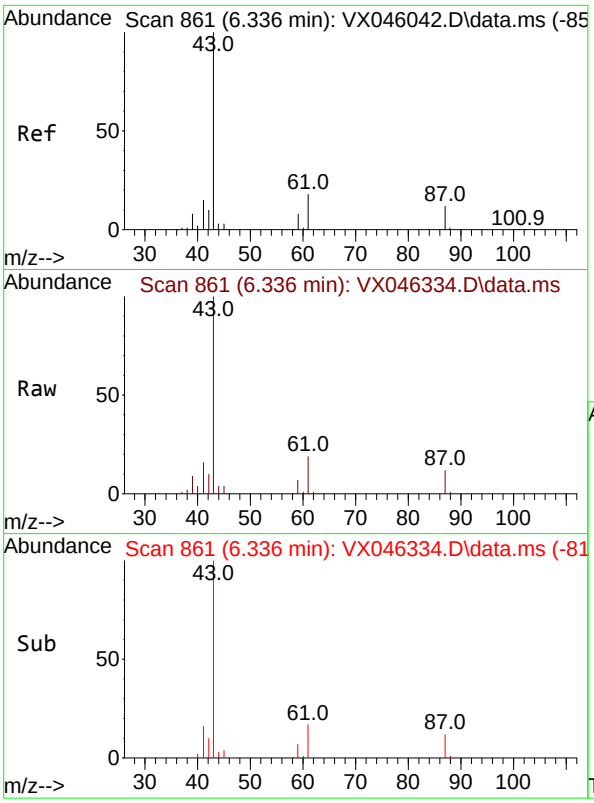




#42
1,2-Dichloroethane
Concen: 20.687 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 62 Resp: 39039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.0 | 0.0 | 15.2 |



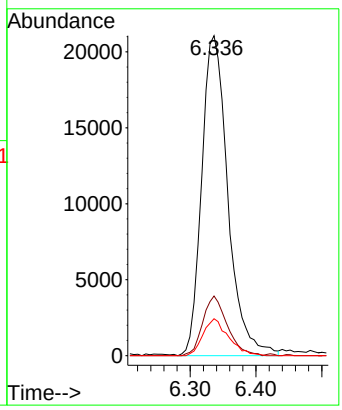


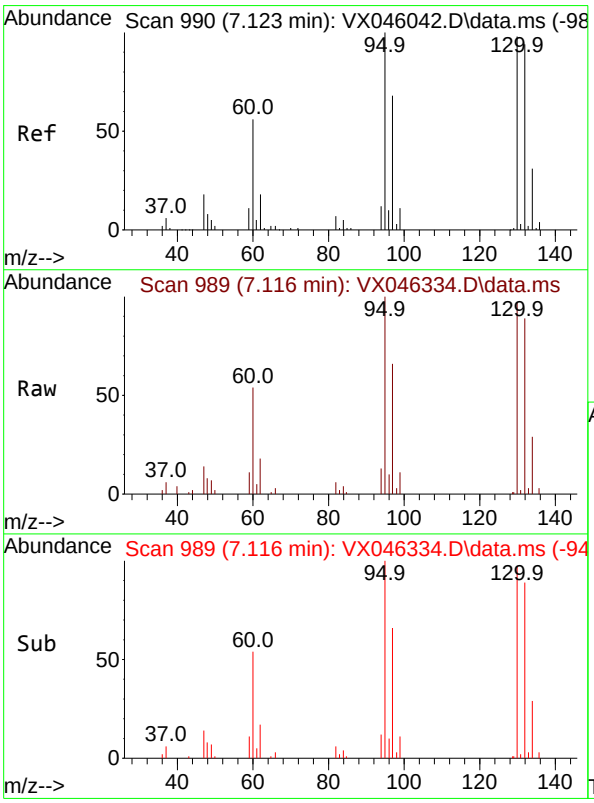

#43
Isopropyl Acetate
Concen: 20.779 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 43 Resp: 58465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.3 | 14.3 | 21.5 |
| 87 | 11.2 | 9.5 | 14.3 |

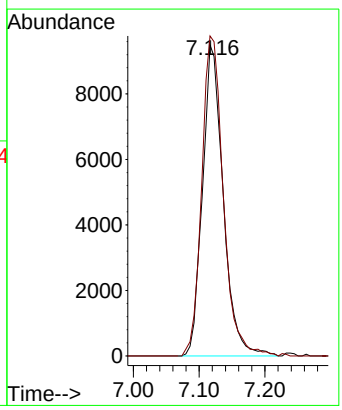


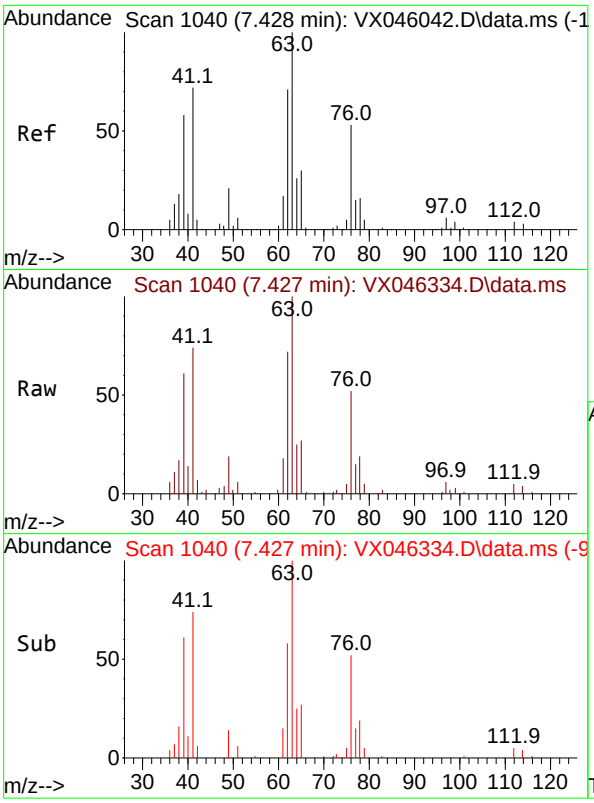




#44
Trichloroethene
Concen: 19.818 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:130 Resp: 20856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.9 | 0.0 | 204.2 |



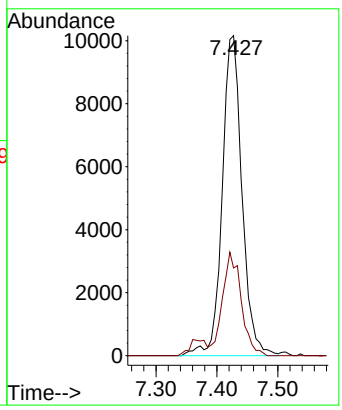


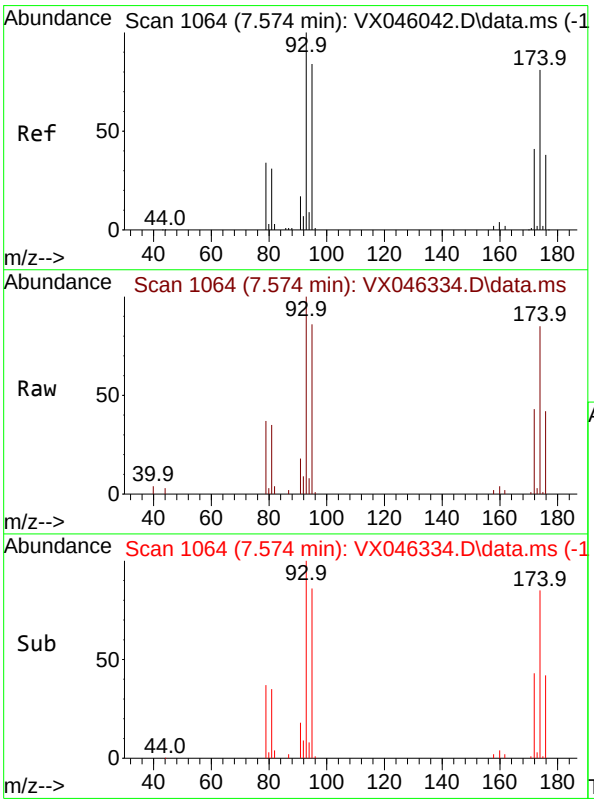

#45
1,2-Dichloropropane
Concen: 21.051 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 63 Resp: 22887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 27.4 | 24.1 | 36.1 |

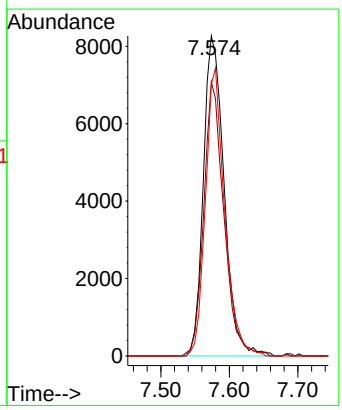


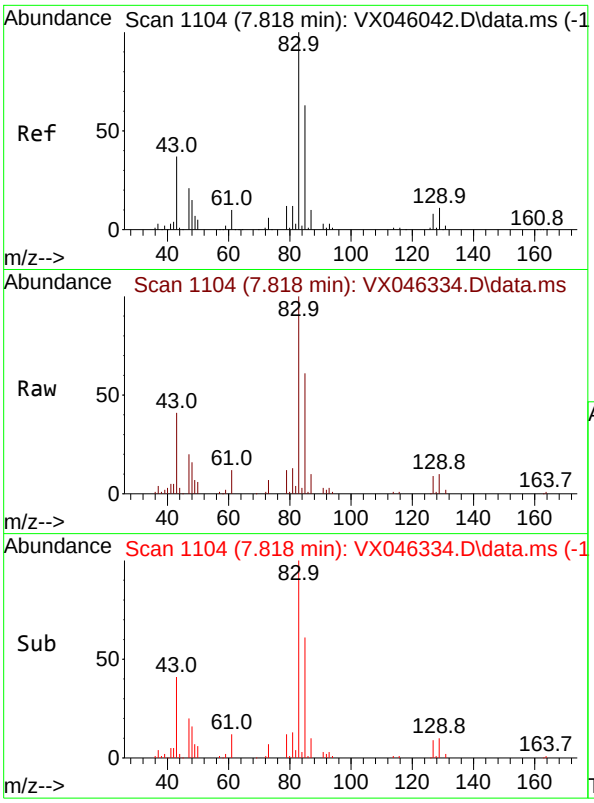




#46
Dibromomethane
Concen: 20.292 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 93 Resp: 17401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.7 | 65.6 | 98.4 |
| 174 | 83.5 | 68.2 | 102.2 |



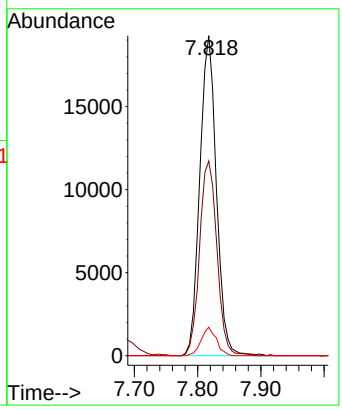


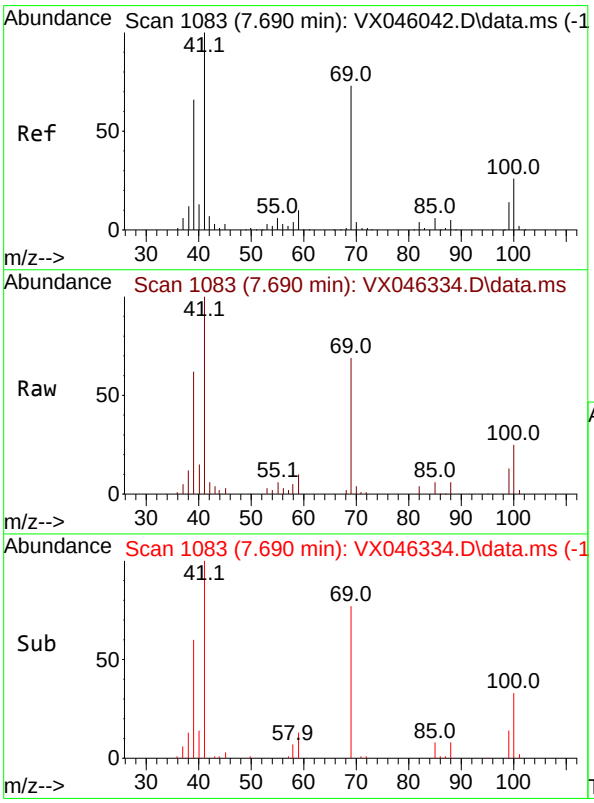

#47
Bromodichloromethane
Concen: 20.847 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 83 Resp: 35210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.9 | 50.5 | 75.7 |
| 127 | 8.9 | 6.5 | 9.7 |

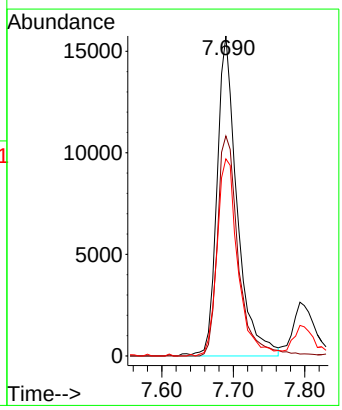


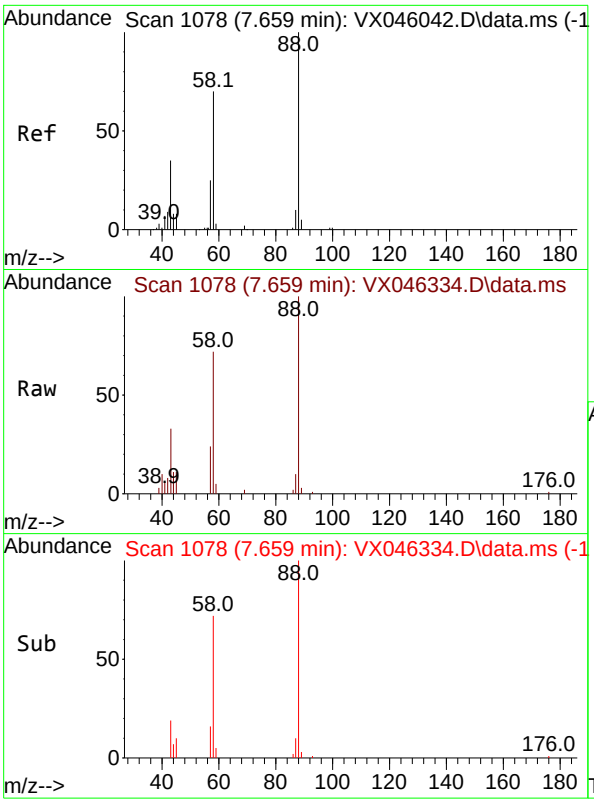




#48
Methyl methacrylate
Concen: 21.365 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 41 Resp: 30700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 72.0 | 58.5 | 87.7 |
| 39 | 64.5 | 51.7 | 77.5 |



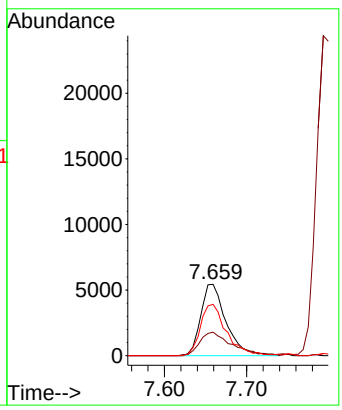


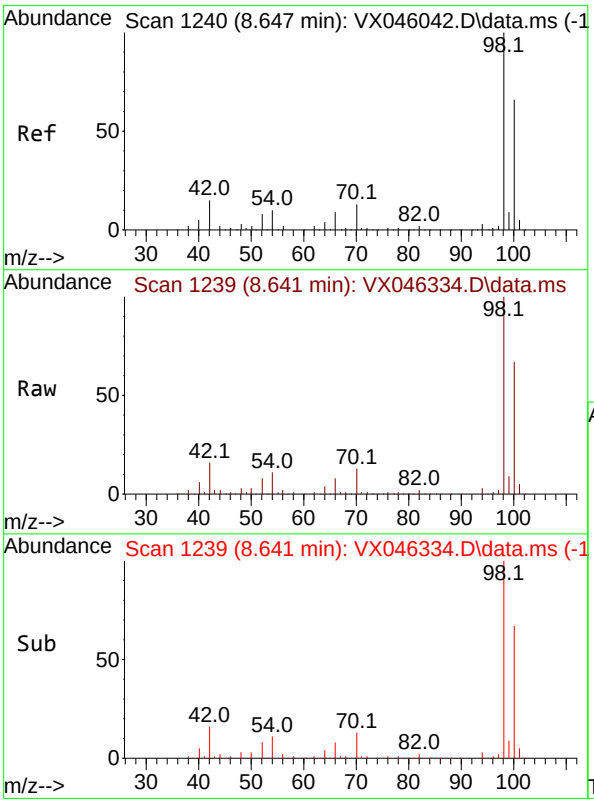

#49
1,4-Dioxane
Concen: 426.008 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 88 Resp: 11623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.6 | 33.4 | 50.2 |
| 58 | 74.2 | 58.6 | 88.0 |

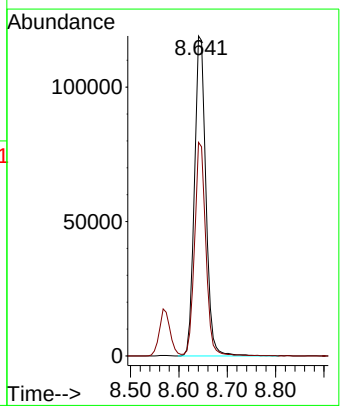


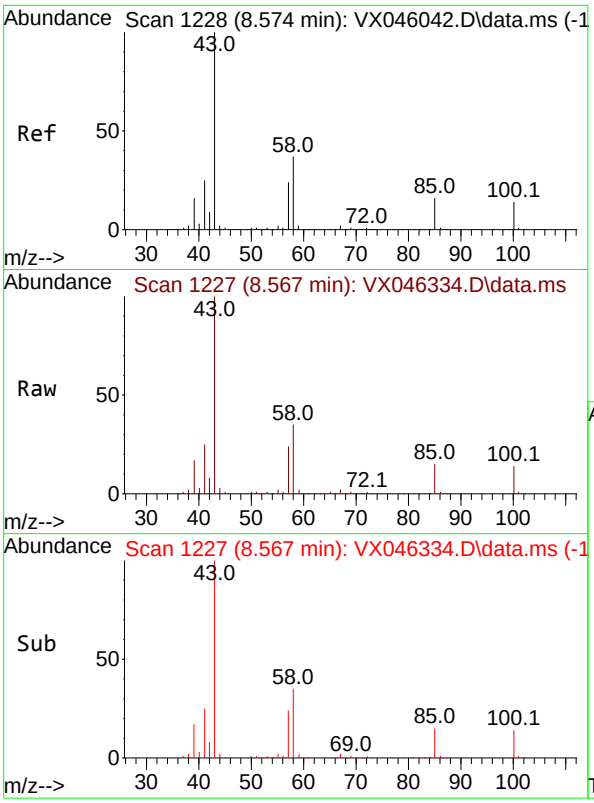




#50
Toluene-d8
Concen: 50.661 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 98 Resp: 194812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.3 | 53.5 | 80.3 |



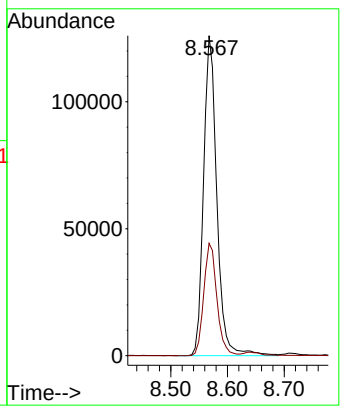


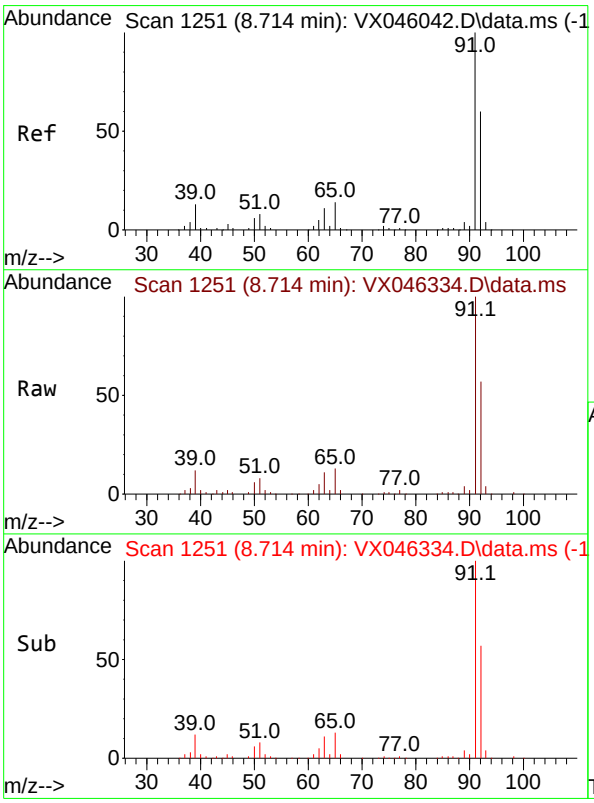

#51
4-Methyl-2-Pentanone
Concen: 109.635 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 43 Resp: 204759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.8 | 28.9 | 43.3 |

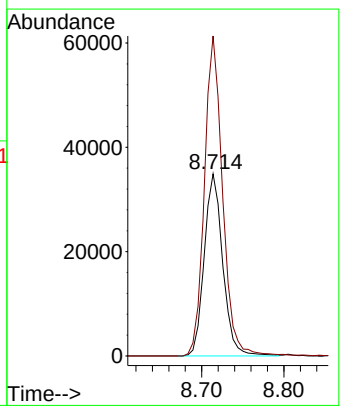


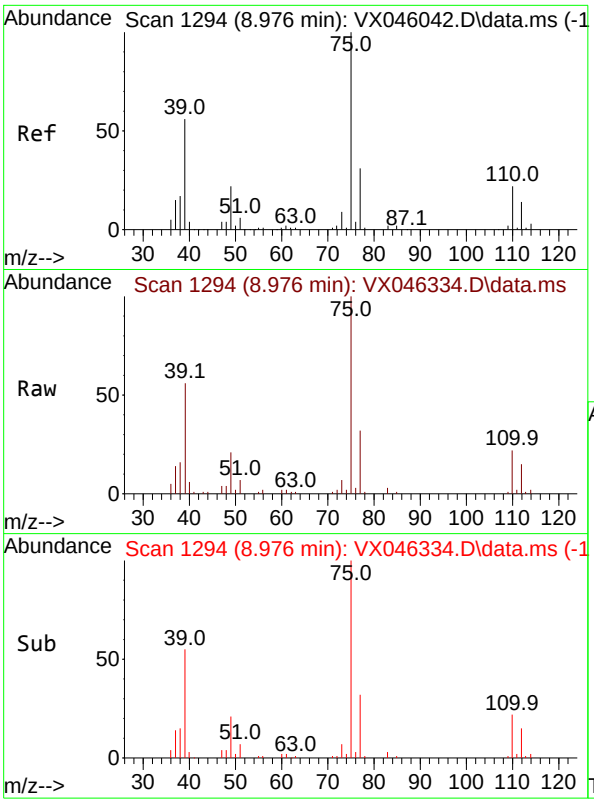




#52
Toluene
Concen: 20.387 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 92 Resp: 54660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.0 | 136.6 | 205.0 |



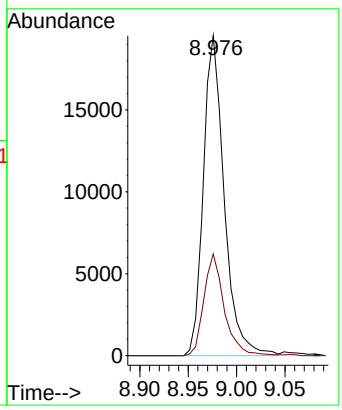


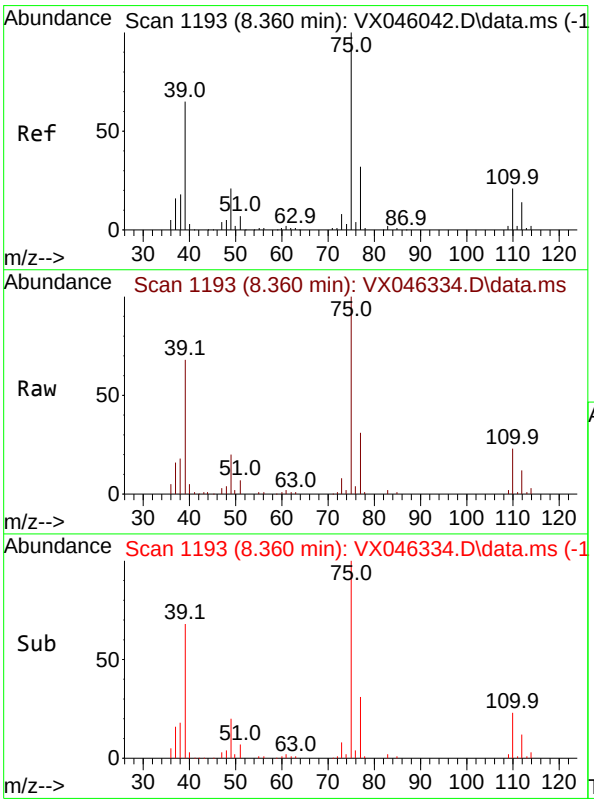

#53
t-1,3-Dichloropropene
Concen: 19.548 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 75 Resp: 29346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.0 | 37.6 |

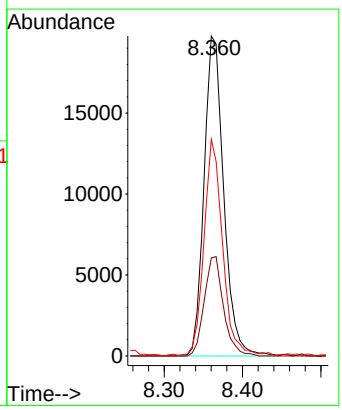


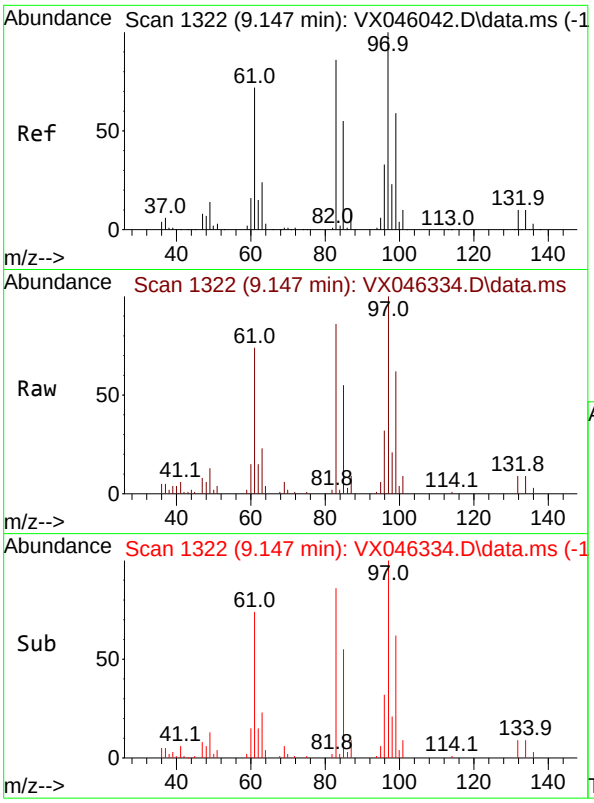




#54
cis-1,3-Dichloropropene
Concen: 20.748 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 75 Resp: 34425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.6 | 25.4 | 38.0 |
| 39 | 67.4 | 52.2 | 78.4 |



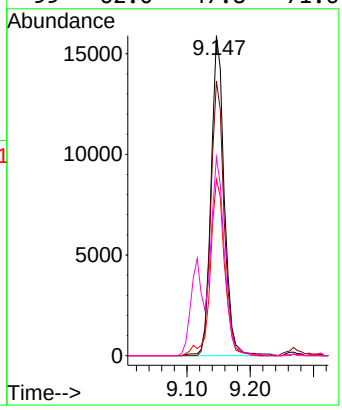


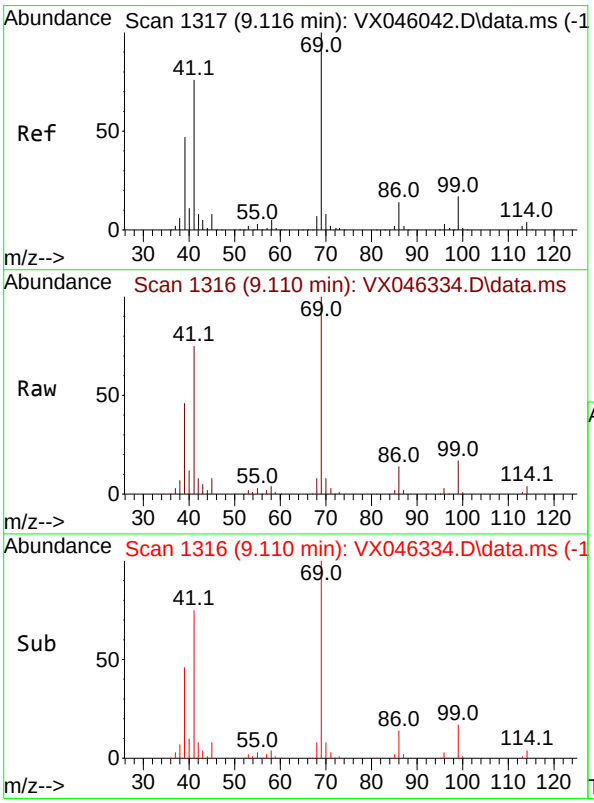

#55
1,1,2-Trichloroethane
Concen: 21.823 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 97 Resp: 23071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.8 | 69.0 | 103.6 |
| 85 | 55.1 | 44.3 | 66.5 |
| 99 | 62.0 | 47.8 | 71.6 |

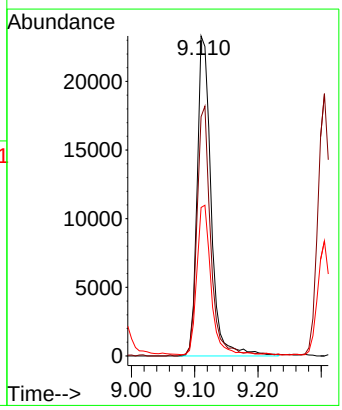


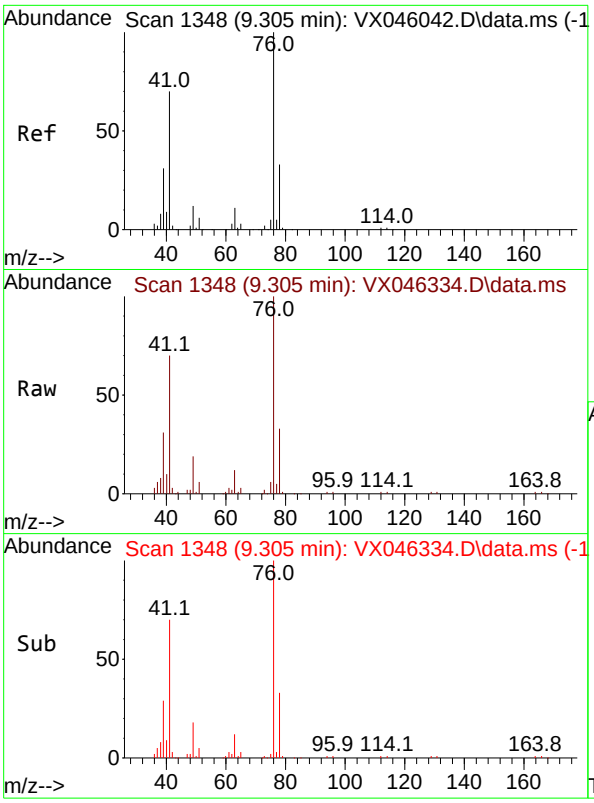




#56
Ethyl methacrylate
Concen: 21.331 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 69 Resp: 35941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 76.1 | 60.8 | 91.2 |
| 39 | 47.1 | 39.0 | 58.6 |



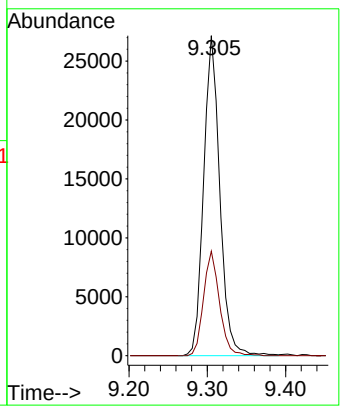


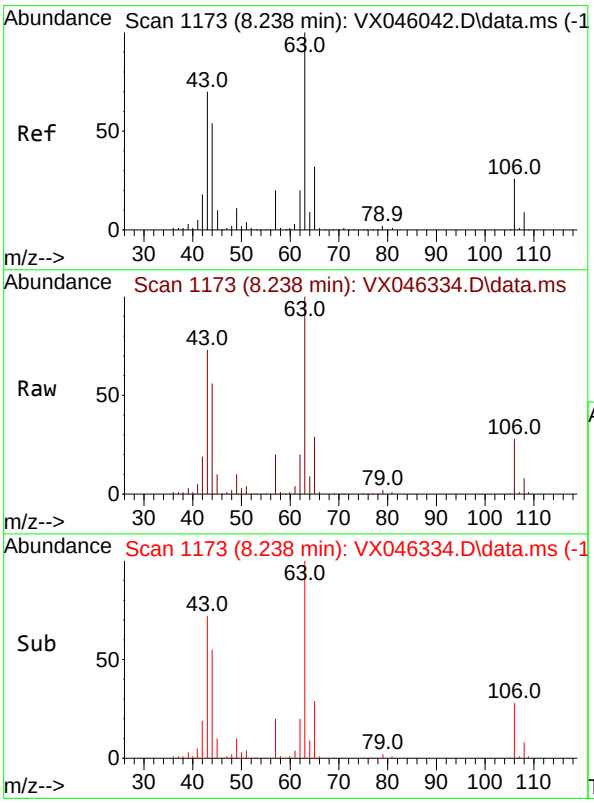

#57
1,3-Dichloropropane
Concen: 20.522 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 76 Resp: 38963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.3 | 39.5 |

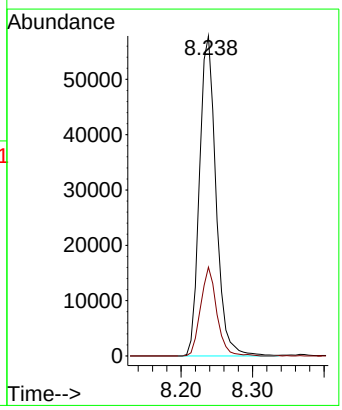


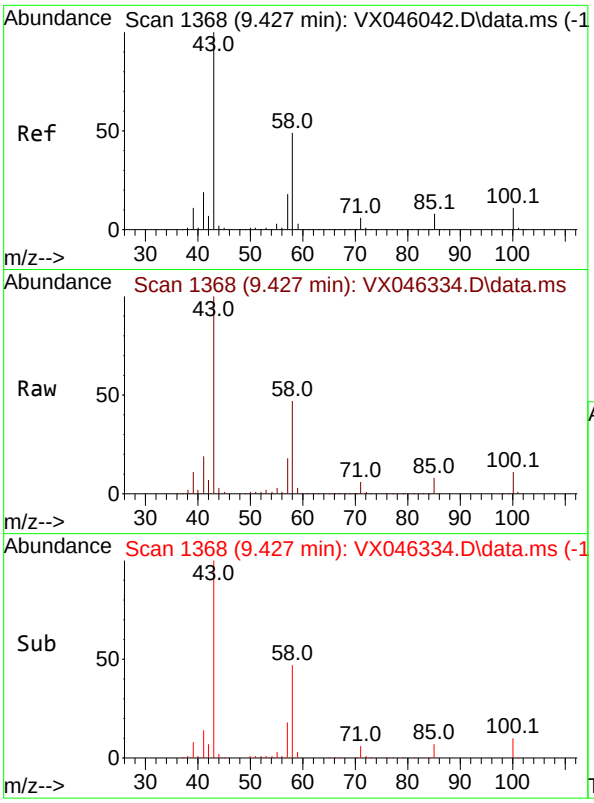




#58
2-Chloroethyl Vinyl ether
Concen: 108.093 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 63 Resp: 92851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.1 | 21.5 | 32.3 |



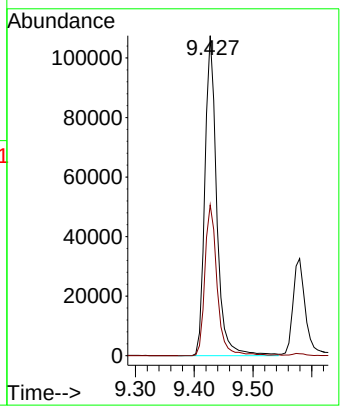


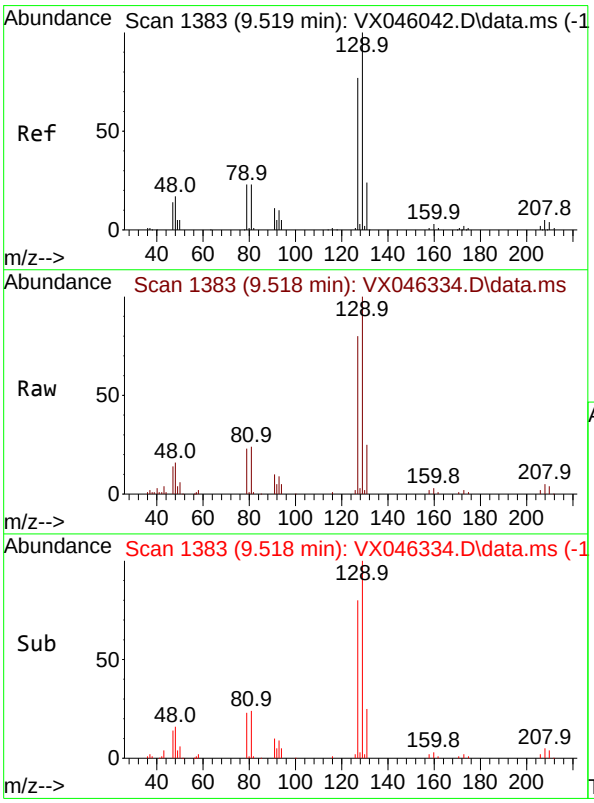

#59
2-Hexanone
Concen: 109.257 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 43 Resp: 150965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 48.5 | 24.9 | 74.6 |

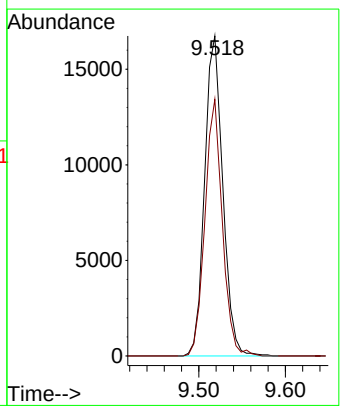


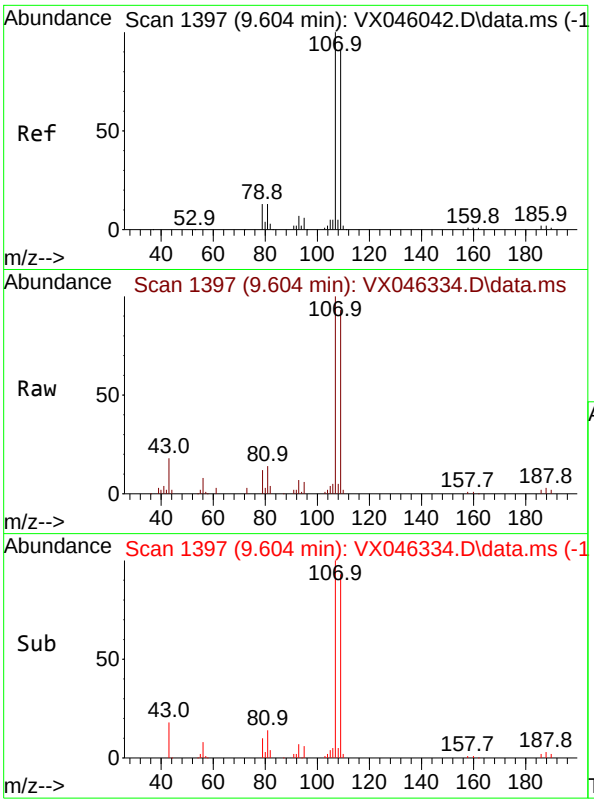




#60
Dibromochloromethane
Concen: 20.981 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:129 Resp: 24359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.0 | 39.3 | 117.8 |



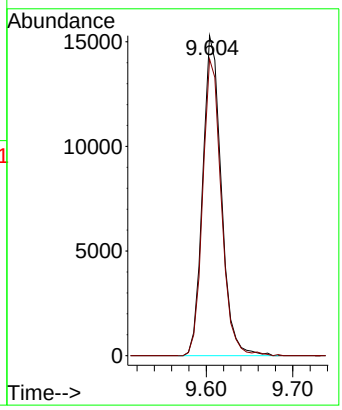


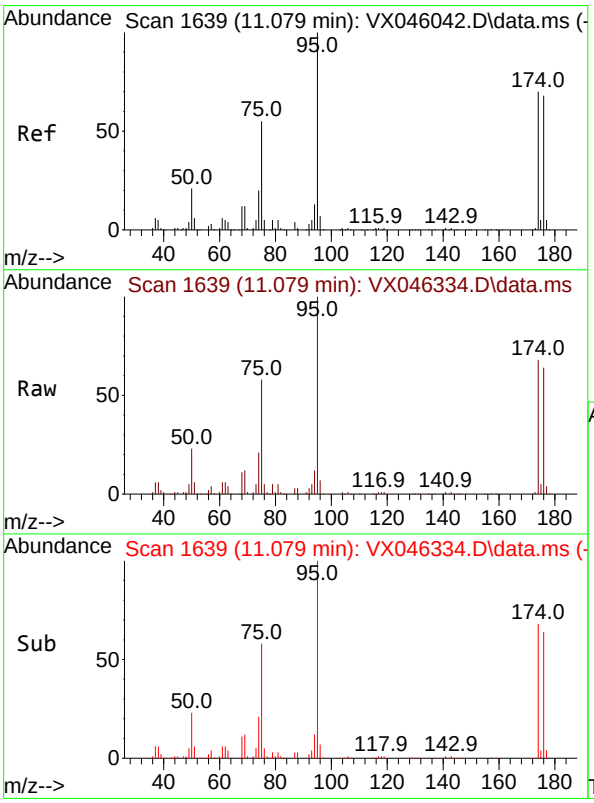

#61
1,2-Dibromoethane
Concen: 20.748 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:107 Resp: 22797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.9 | 73.3 | 109.9 |

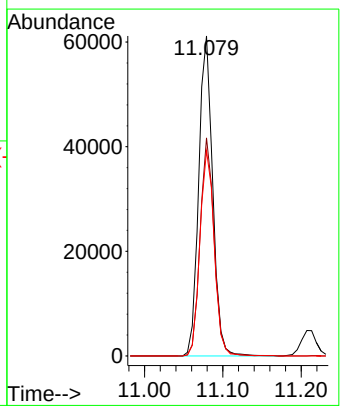


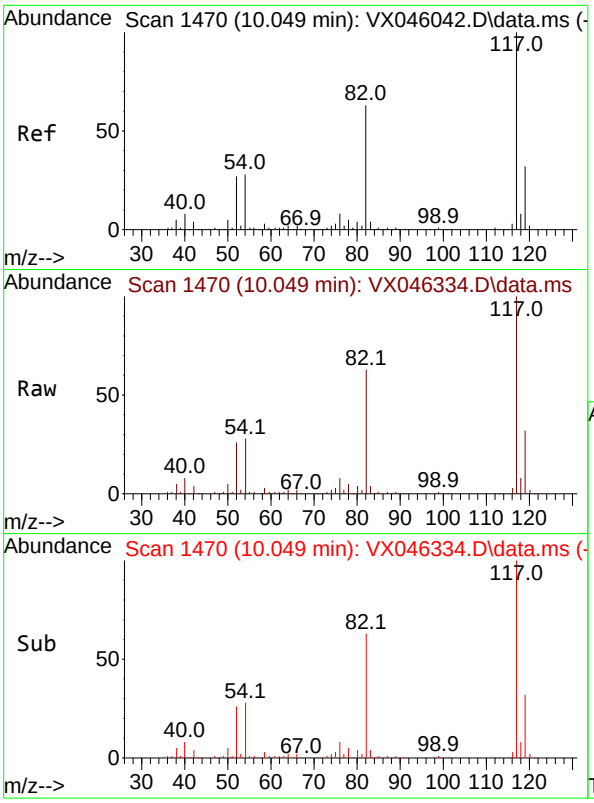




#62
4-Bromofluorobenzene
Concen: 51.423 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 95 Resp: 75851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.7 | 0.0 | 135.8 |
| 176 | 65.6 | 0.0 | 131.4 |



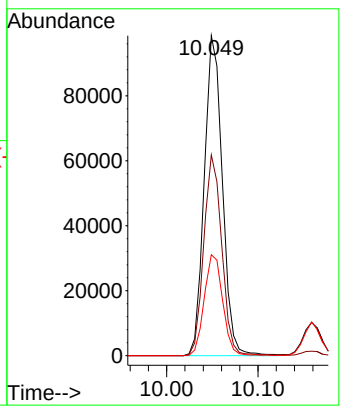


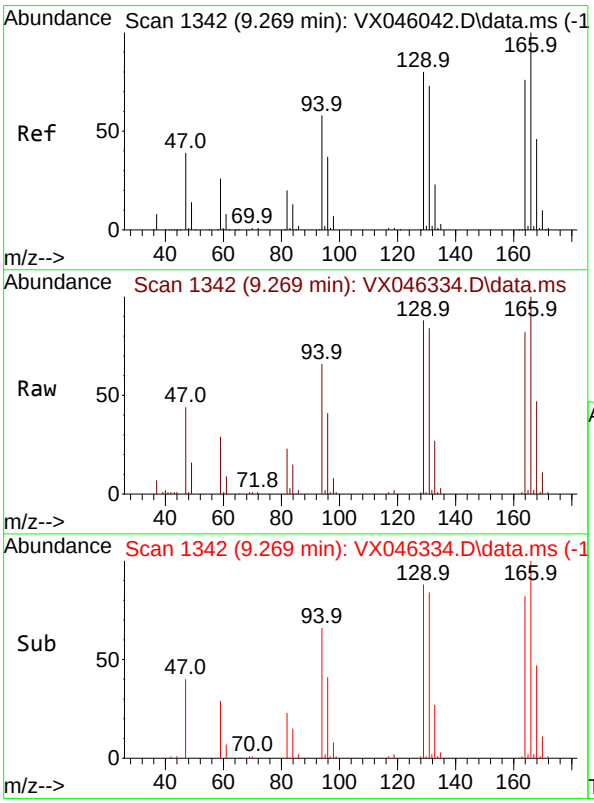

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:117 Resp: 135355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 62.8 | 50.6 | 76.0 |
| 119 | 31.5 | 25.8 | 38.6 |

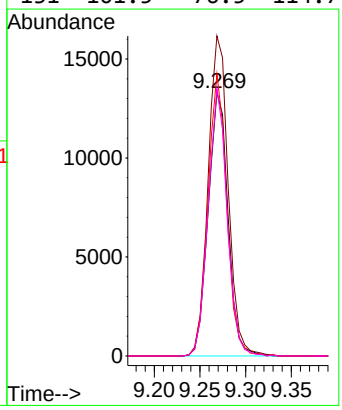


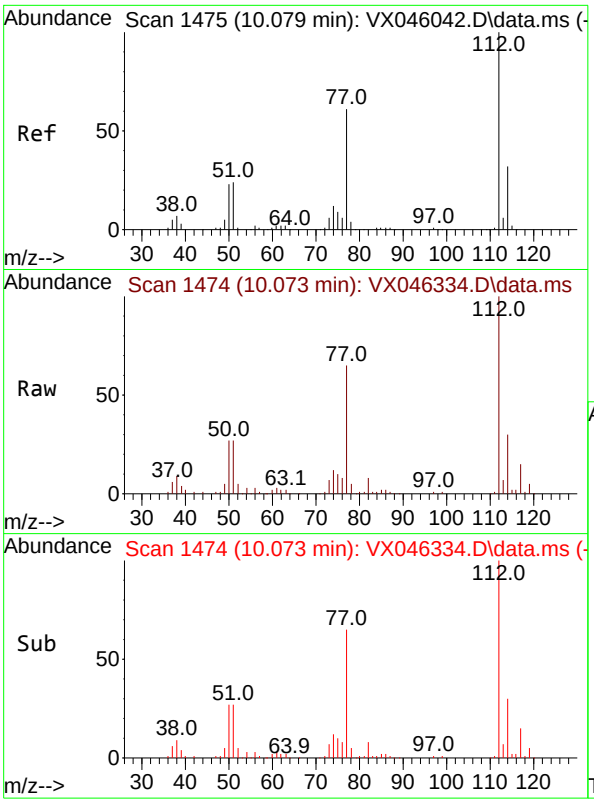




#64
Tetrachloroethene
Concen: 20.878 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:164 Resp: 19995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 121.5 | 105.0 | 157.6 |
| 129 | 107.0 | 83.5 | 125.3 |
| 131 | 101.5 | 76.5 | 114.7 |



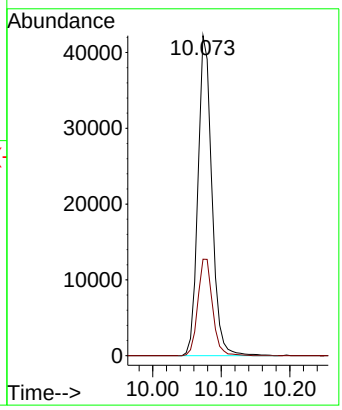


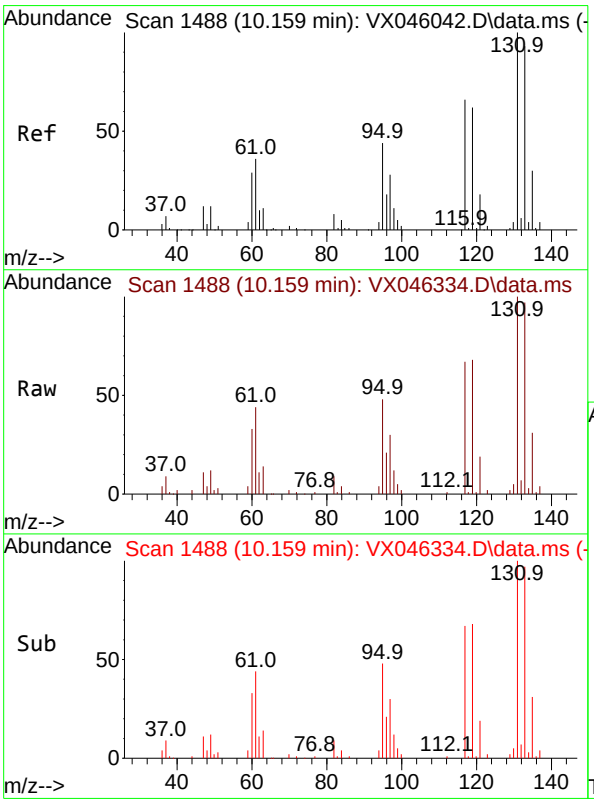

#65
Chlorobenzene
Concen: 20.149 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:112 Resp: 59694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.1 | 25.4 | 38.2 |

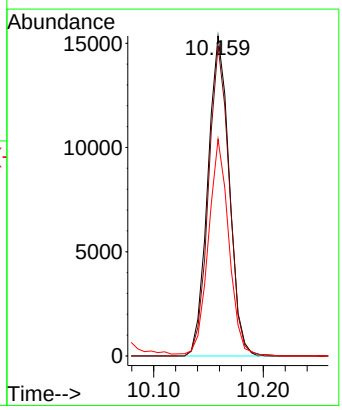


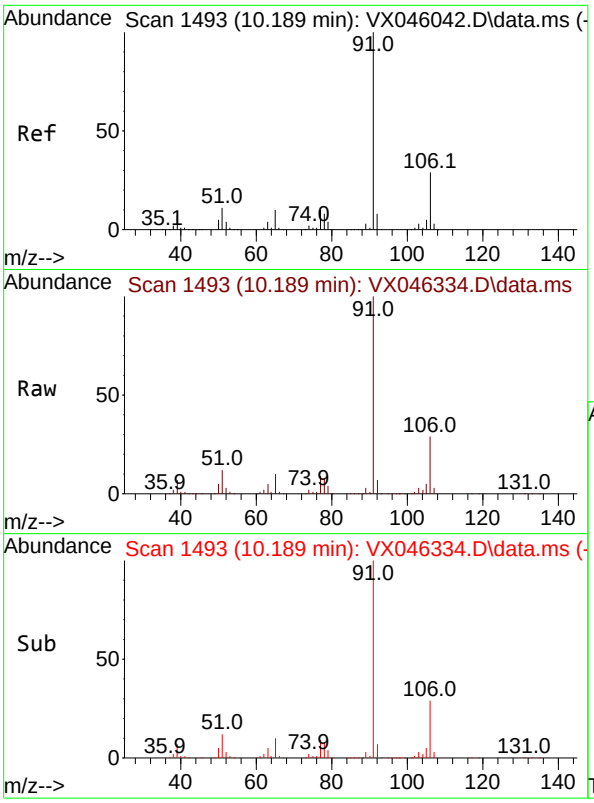




#66
1,1,1,2-Tetrachloroethane
Concen: 20.551 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:131 Resp: 20790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.0 | 47.3 | 141.9 |
| 119 | 64.9 | 31.6 | 95.0 |



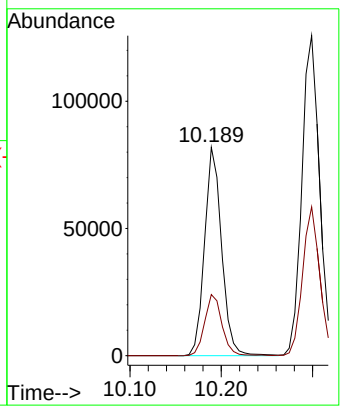


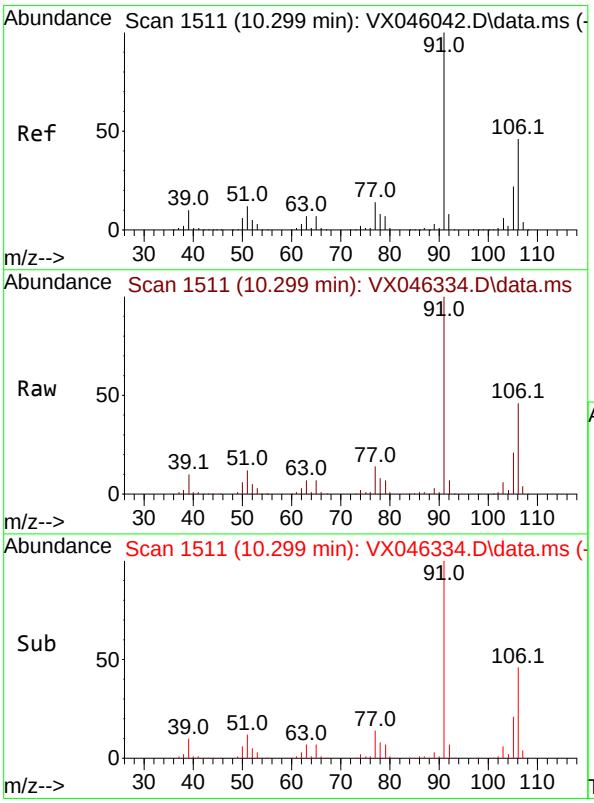

#67
Ethyl Benzene
Concen: 20.280 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 91 Resp: 105906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.4 | 23.4 | 35.2 |

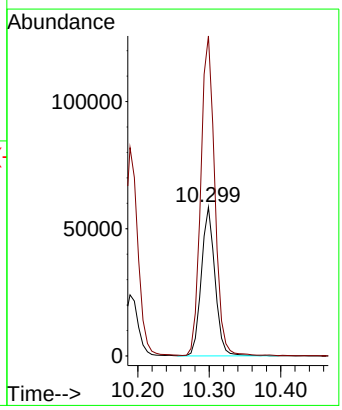


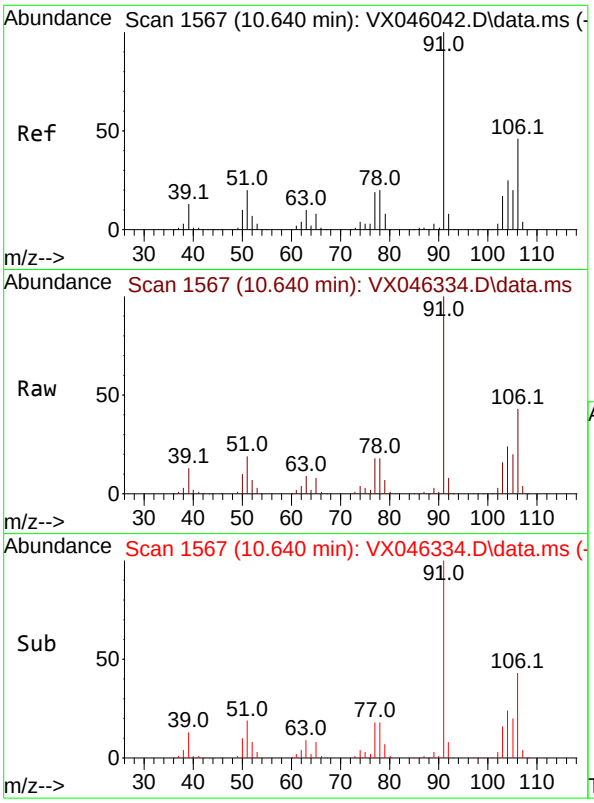




#68
m/p-Xylenes
Concen: 40.642 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:106 Resp: 77627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.2 | 171.2 | 256.8 |



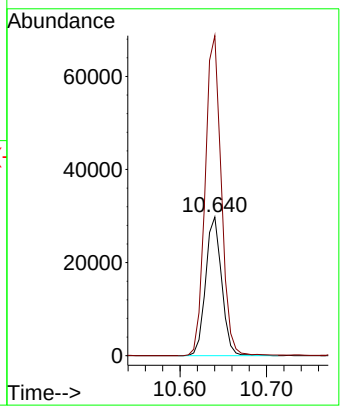


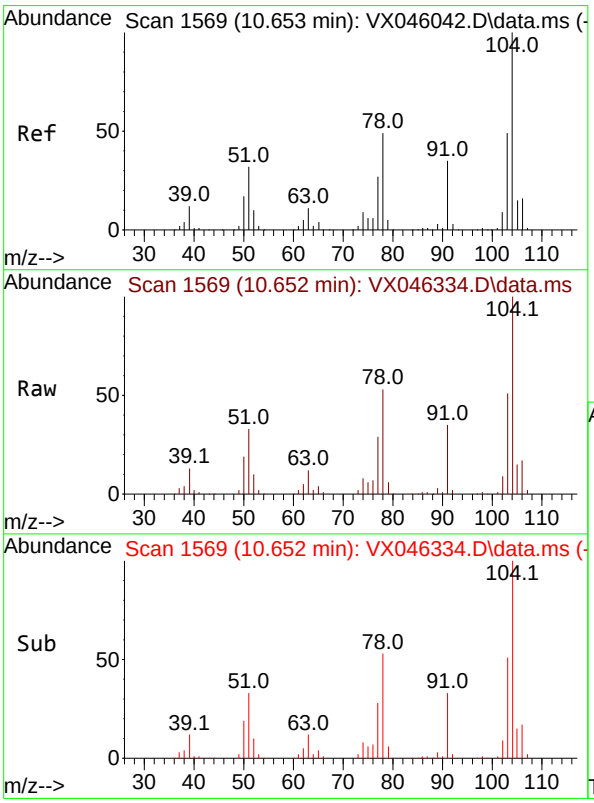

#69
o-Xylene
Concen: 20.548 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:106 Resp: 38262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 232.6 | 112.7 | 338.1 |

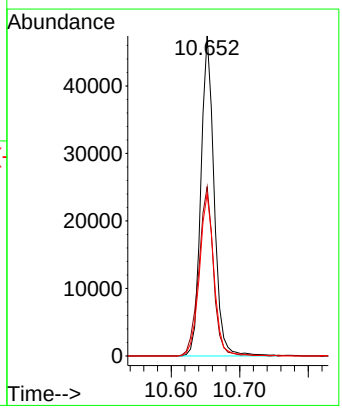


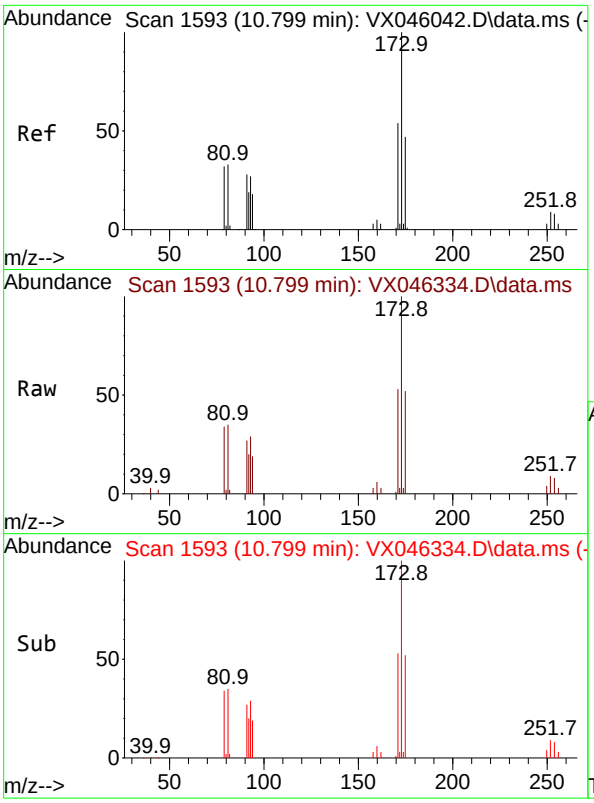




#70
Styrene
Concen: 20.979 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:104 Resp: 63992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 58.3 | 45.7 | 68.5 |
| 103 | 55.7 | 43.7 | 65.5 |



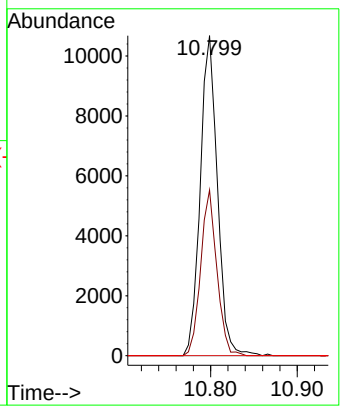


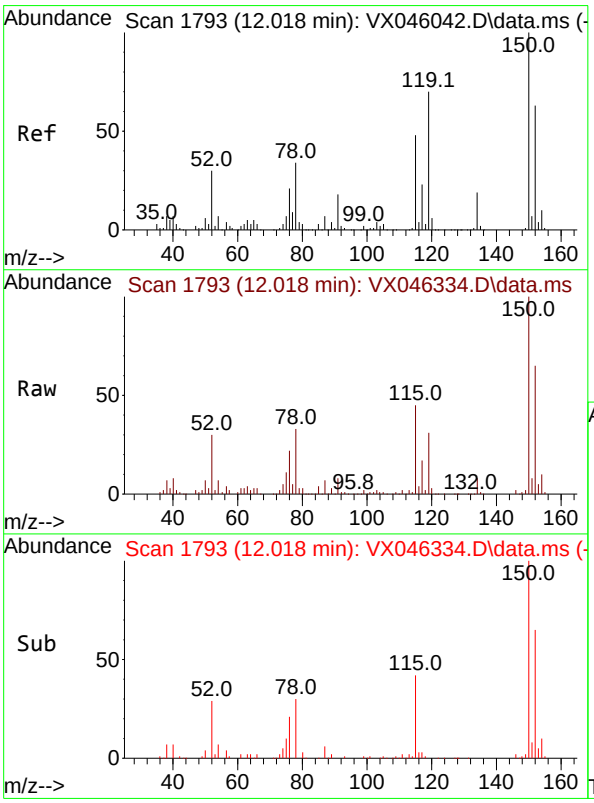

#71
Bromoform
Concen: 19.369 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:173 Resp: 14711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.6 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |

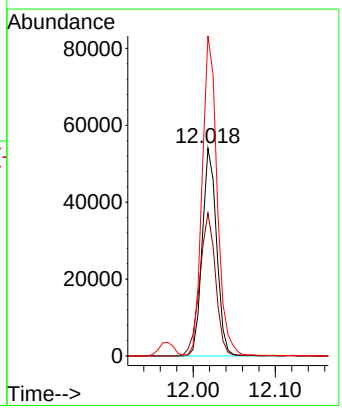


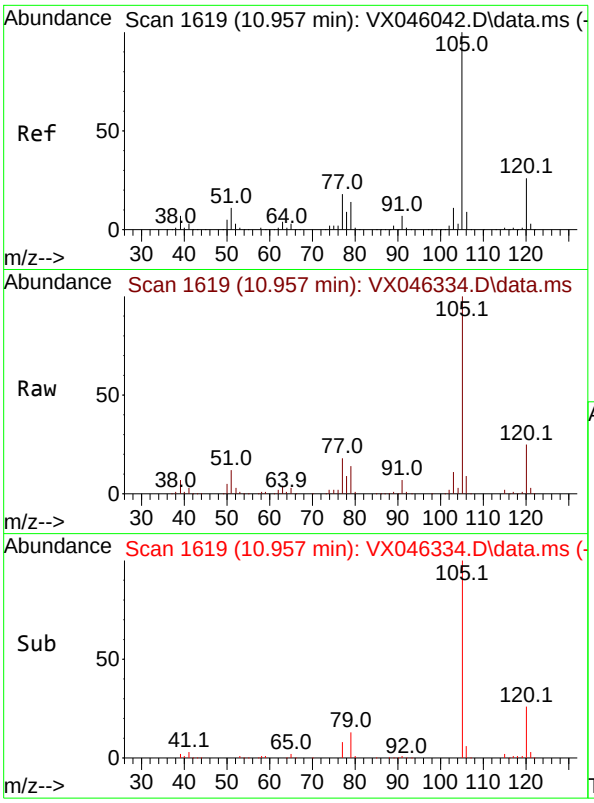




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:152 Resp: 65596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 75.8 | 46.9 | 140.7 |
| 150 | 161.5 | 0.0 | 351.0 |



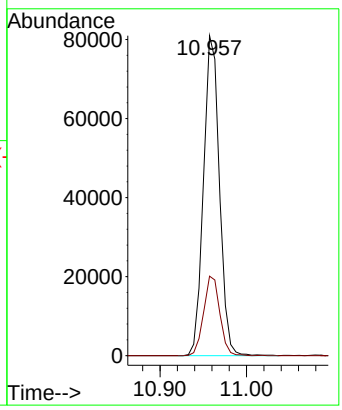


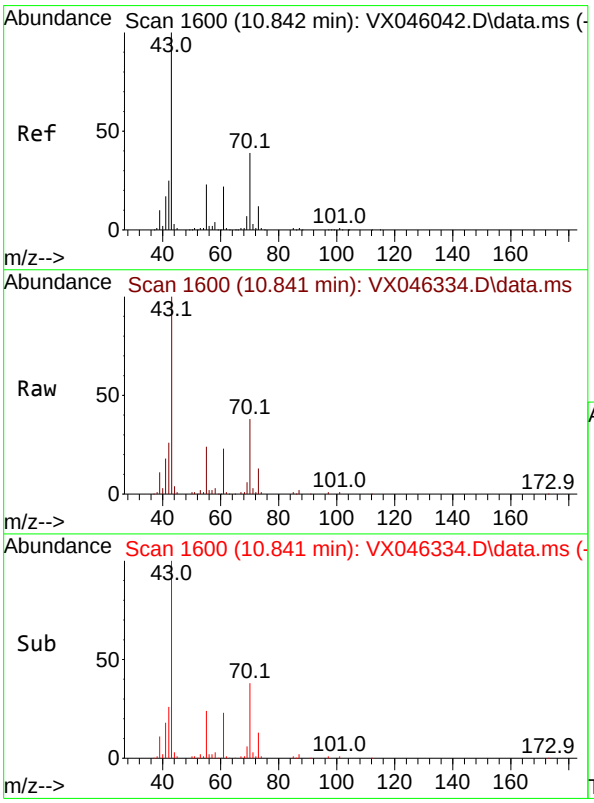

#73
Isopropylbenzene
Concen: 20.246 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:105 Resp: 103395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.2 | 12.8 | 38.4 |

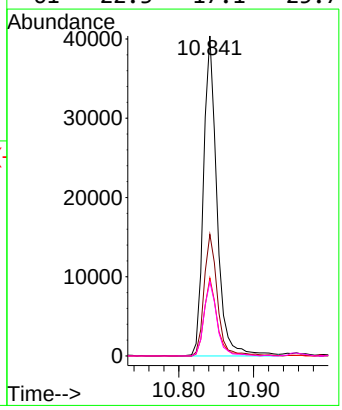


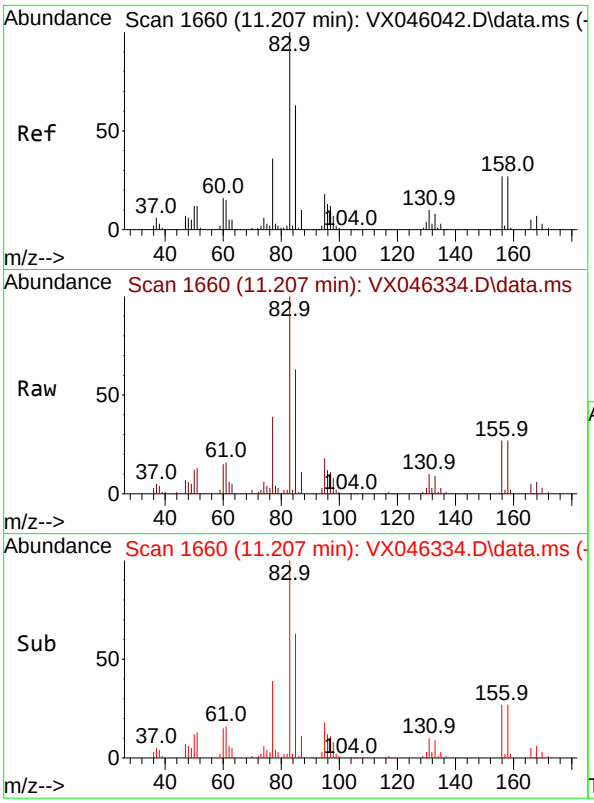




#74
N-amyl acetate
Concen: 19.965 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 43 Resp: 50382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 37.9 | 30.9 | 46.3 |
| 55 | 23.4 | 18.7 | 28.1 |
| 61 | 22.3 | 17.1 | 25.7 |



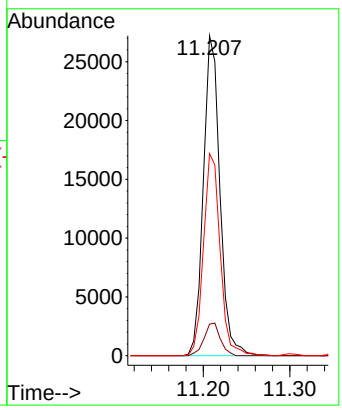


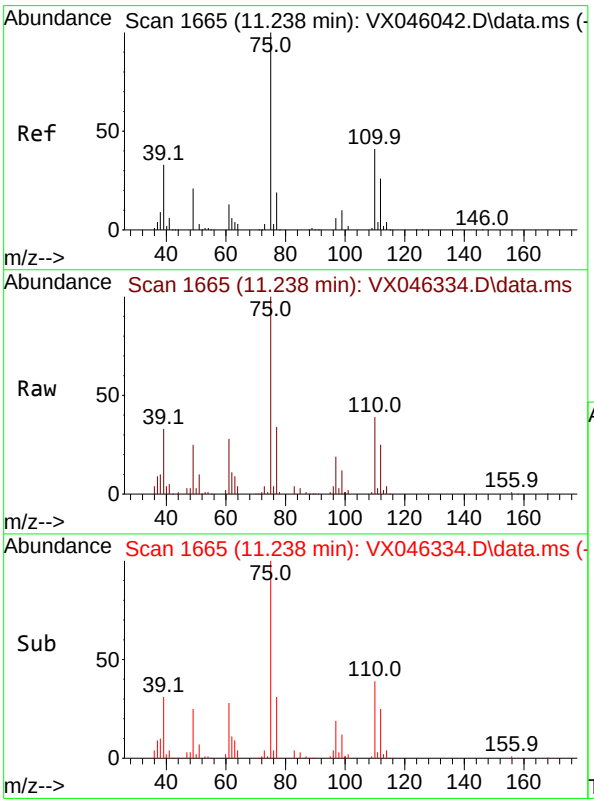

#75
1,1,2,2-Tetrachloroethane
Concen: 20.176 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 83 Resp: 36107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.0 | 14.9 |
| 85 | 63.6 | 31.9 | 95.7 |

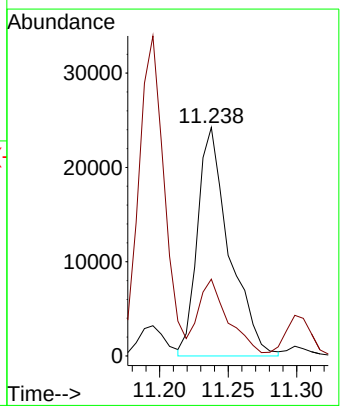


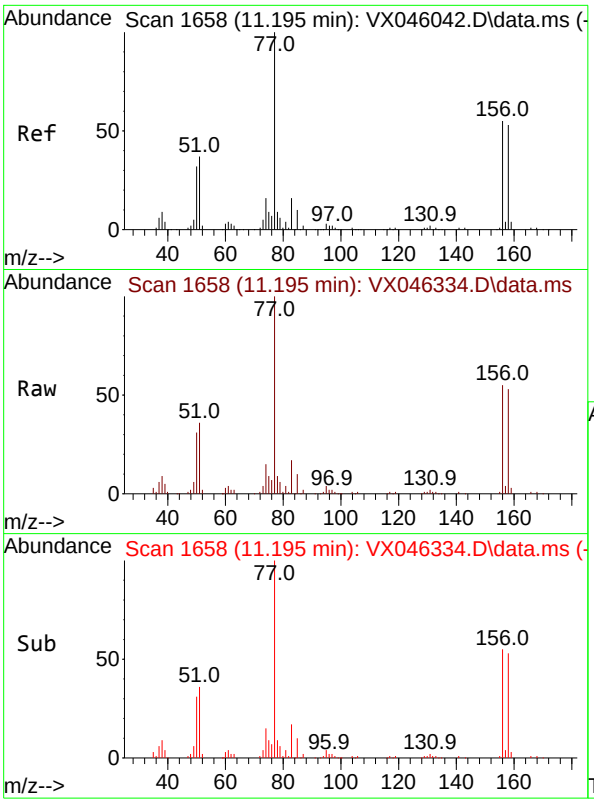




#76
1,2,3-Trichloropropane
Concen: 24.746 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 75 Resp: 39072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 20.5 | 61.5 |



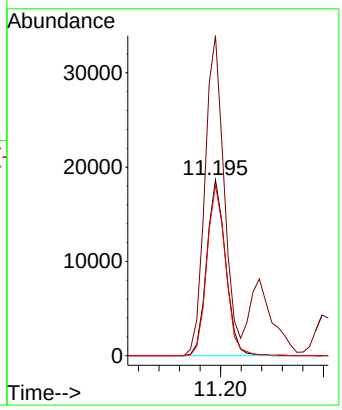


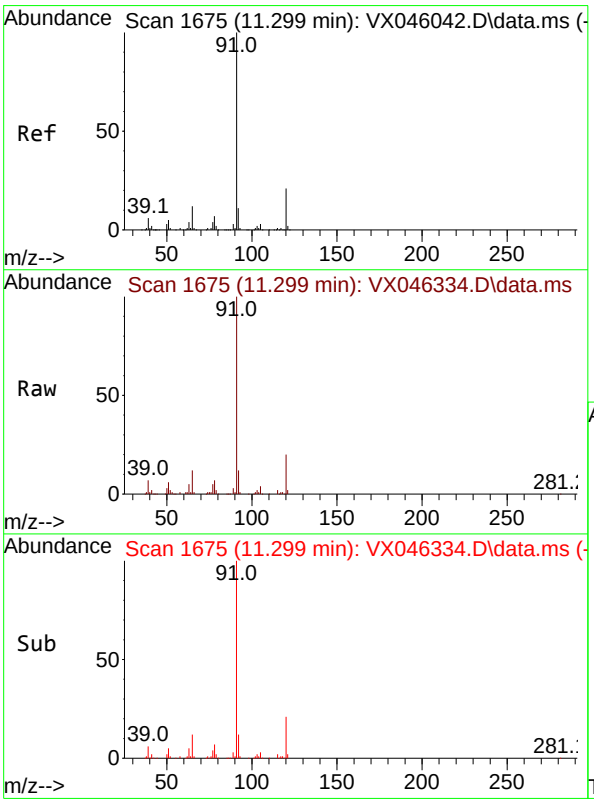

#77
Bromobenzene
Concen: 19.979 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:156 Resp: 23688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 186.0 | 92.8 | 278.3 |
| 158 | 97.0 | 48.8 | 146.3 |

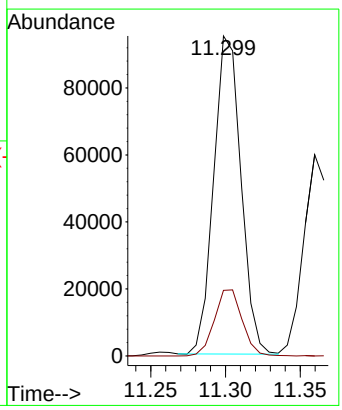


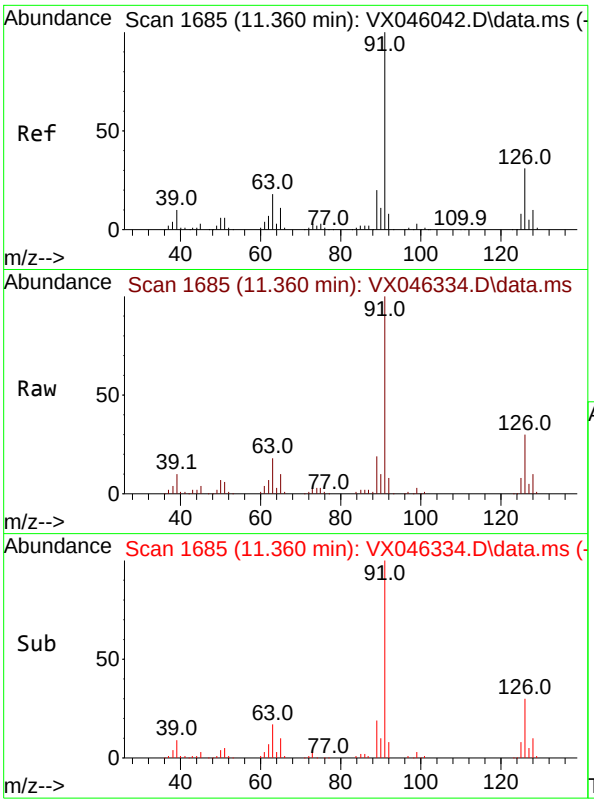




#78
n-propylbenzene
Concen: 20.282 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 91 Resp: 120436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.2 | 10.8 | 32.4 |



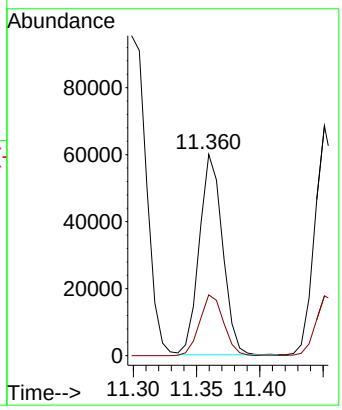


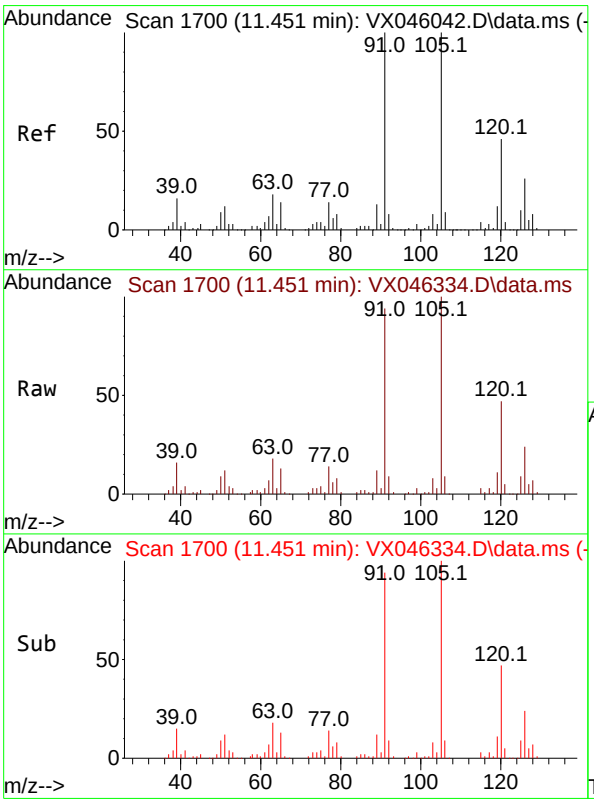

#79
2-Chlorotoluene
Concen: 19.991 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 91 Resp: 76565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.5 | 15.6 | 46.7 |

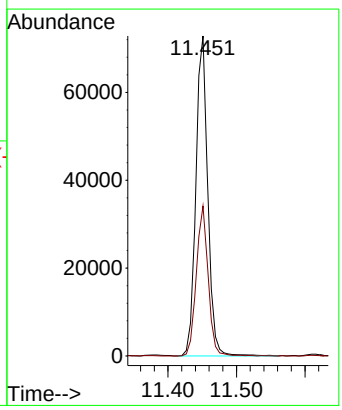


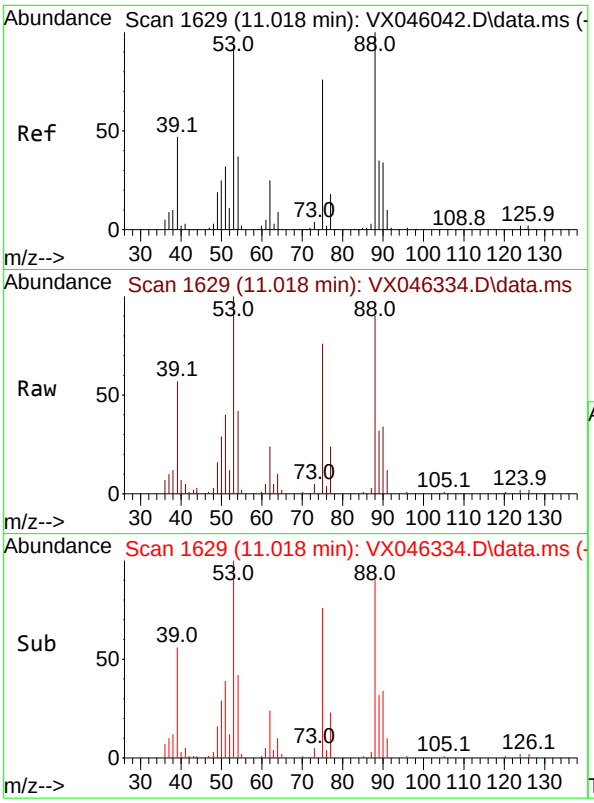




#80
1,3,5-Trimethylbenzene
Concen: 20.669 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:105 Resp: 88181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.7 | 23.1 | 69.2 |



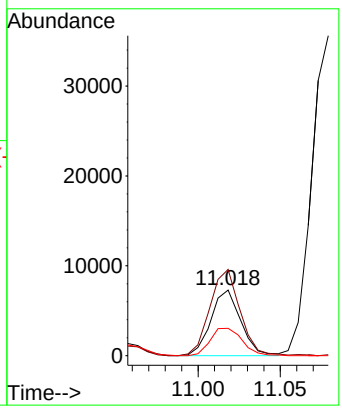


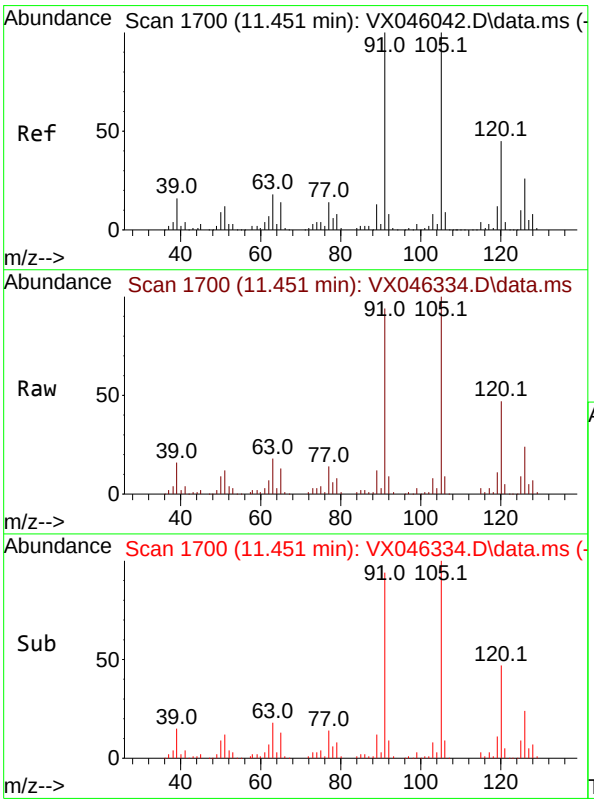

#81
trans-1,4-Dichloro-2-butene
Concen: 19.044 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 75 Resp: 9236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 132.8 | 100.5 | 150.7 |
| 89 | 44.7 | 37.0 | 55.6 |

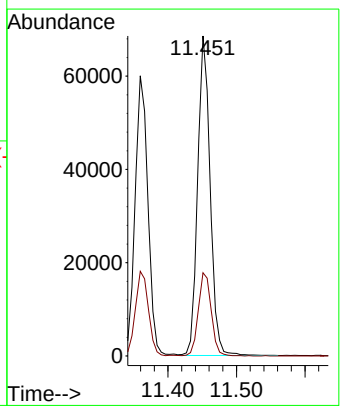


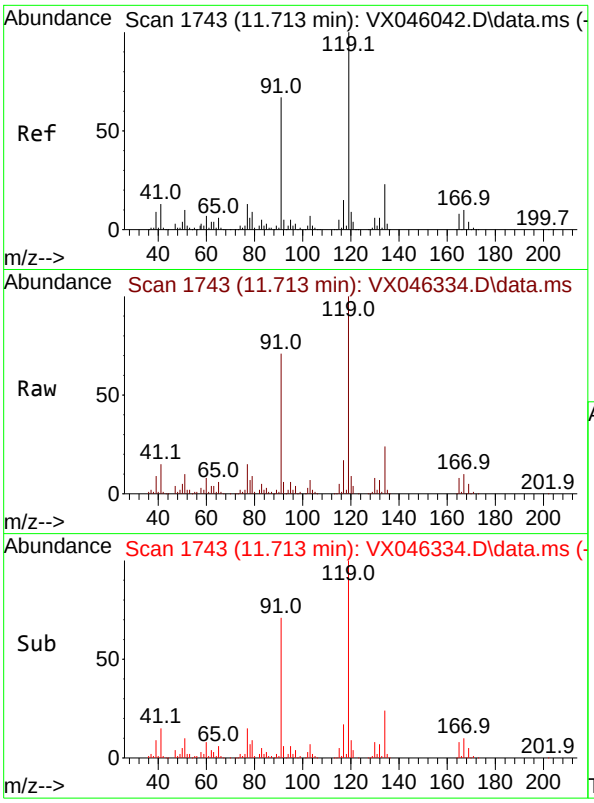




#82
4-Chlorotoluene
Concen: 20.476 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 91 Resp: 86969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.9 | 13.3 | 39.8 |



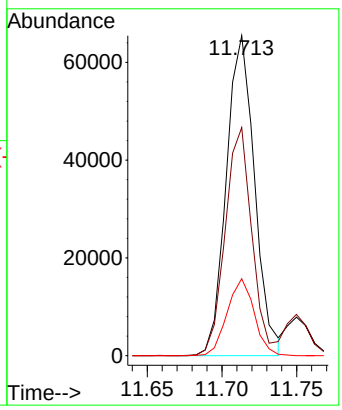


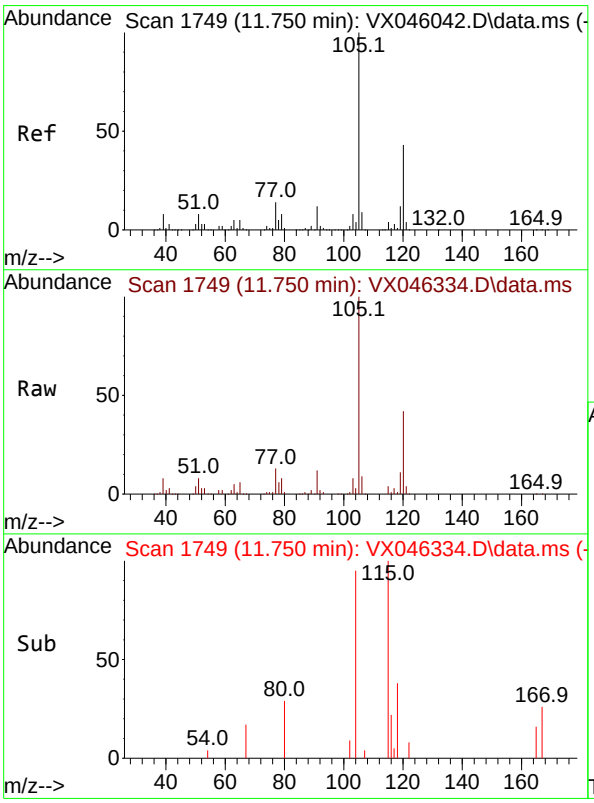

#83
tert-Butylbenzene
Concen: 20.063 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:119 Resp: 86219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.7 | 32.9 | 98.7 |
| 134 | 22.9 | 11.4 | 34.1 |

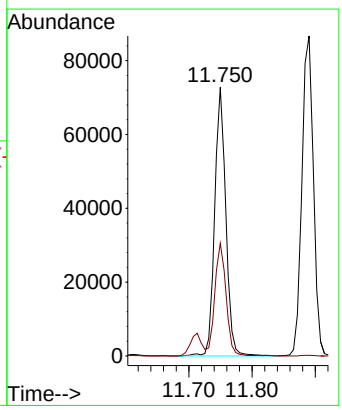


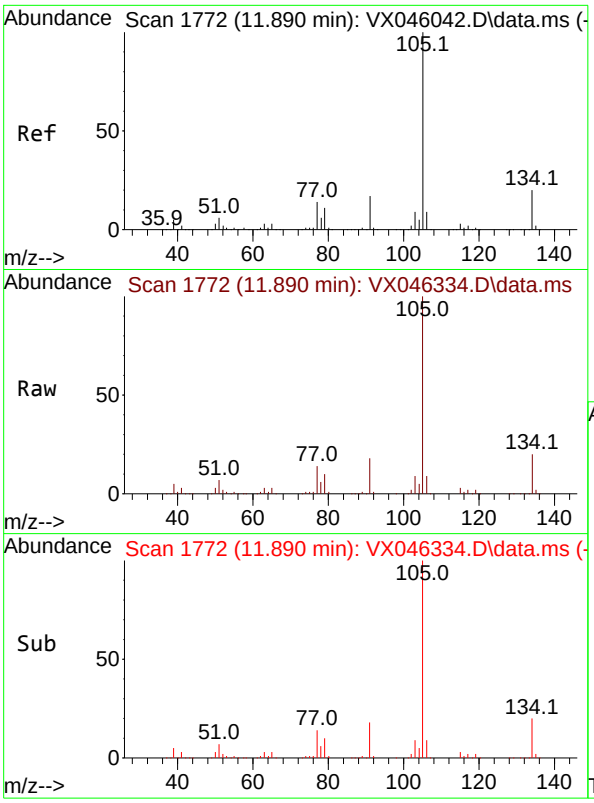




#84
1,2,4-Trimethylbenzene
Concen: 20.580 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:105 Resp: 88916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.6 | 21.2 | 63.6 |



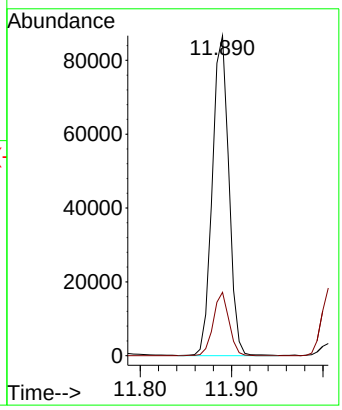


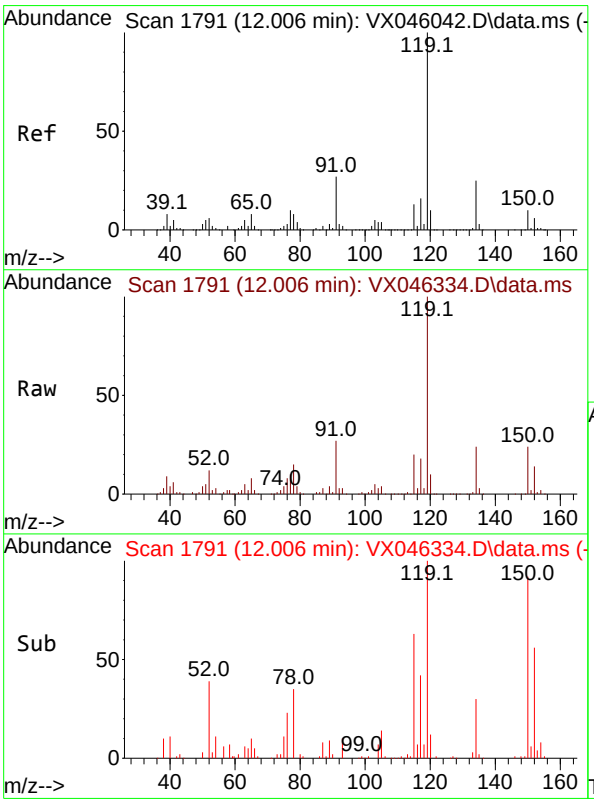

#85
sec-Butylbenzene
Concen: 20.640 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:105 Resp: 108908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.8 | 9.7 | 29.1 |

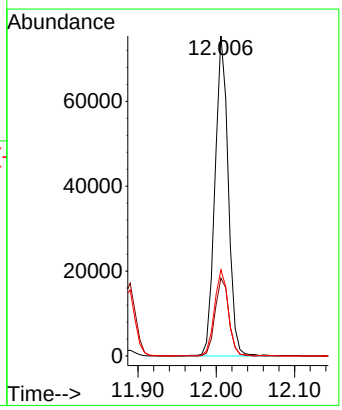


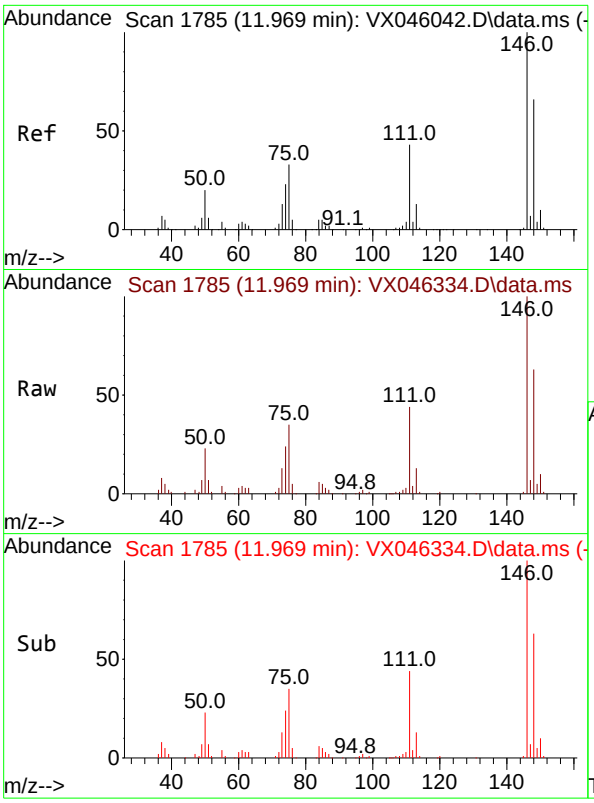




#86
p-Isopropyltoluene
Concen: 20.402 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:119 Resp: 88860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.1 | 12.5 | 37.5 |
| 91 | 27.9 | 13.8 | 41.4 |



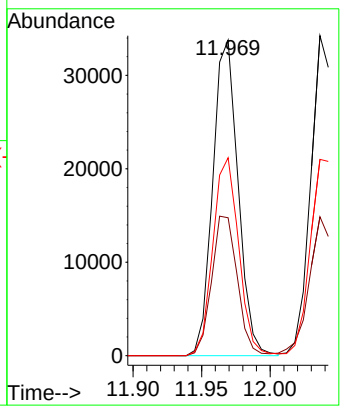


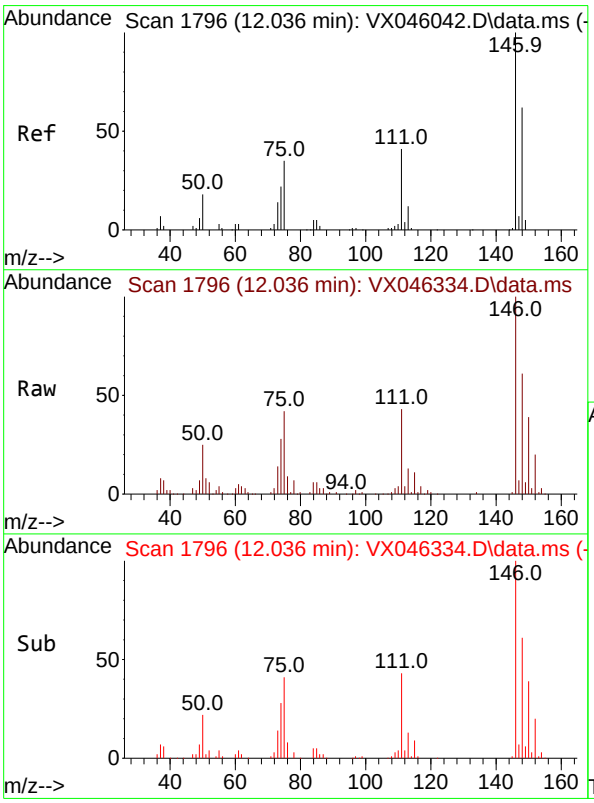

#87
1,3-Dichlorobenzene
Concen: 20.048 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:146 Resp: 43379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.0 | 22.1 | 66.3 |
| 148 | 64.0 | 32.1 | 96.5 |

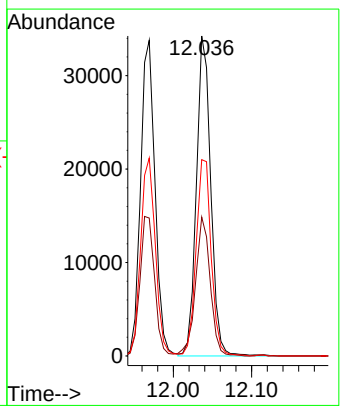


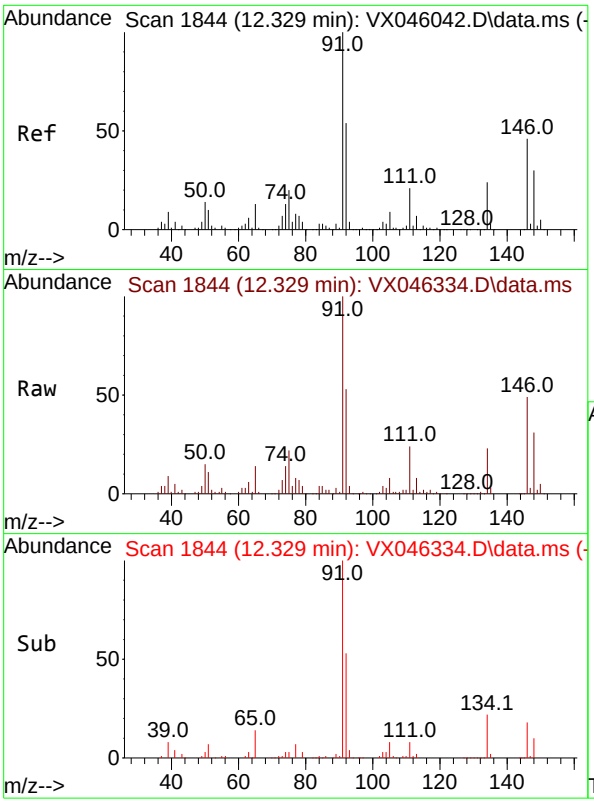




#88
1,4-Dichlorobenzene
Concen: 19.826 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:146 Resp: 43812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.6 | 21.3 | 63.9 |
| 148 | 64.6 | 31.9 | 95.5 |



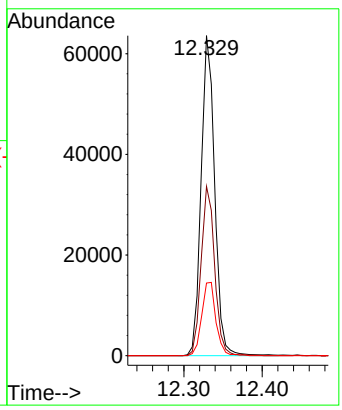


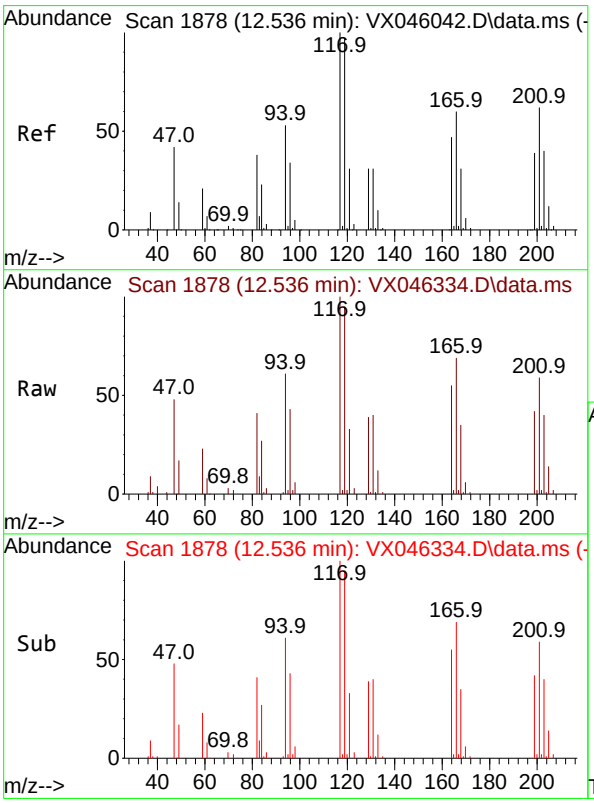

#89
n-Butylbenzene
Concen: 19.997 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion: 91 Resp: 76398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.0 | 26.9 | 80.7 |
| 134 | 23.9 | 11.8 | 35.3 |

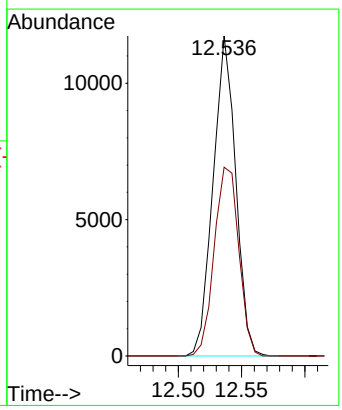


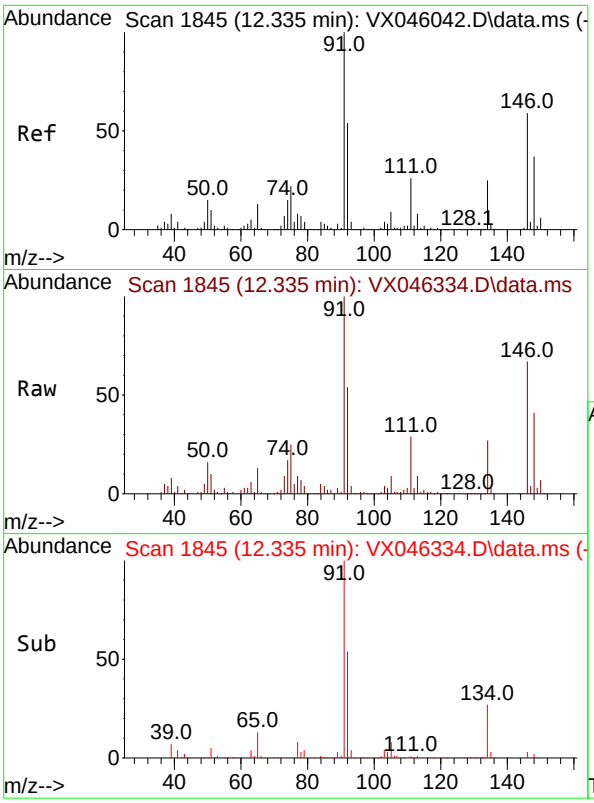




#90
Hexachloroethane
Concen: 18.984 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:117 Resp: 14567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.1 | 31.6 | 94.7 |



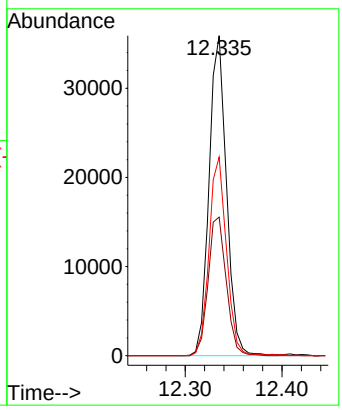


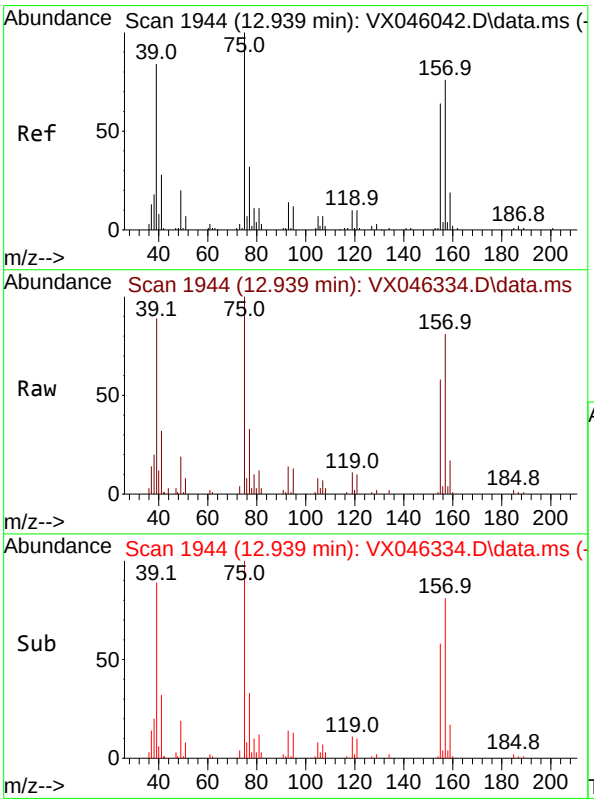

#91
1,2-Dichlorobenzene
Concen: 20.645 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:146 Resp: 44827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.2 | 22.4 | 67.3 |
| 148 | 62.4 | 31.6 | 94.8 |

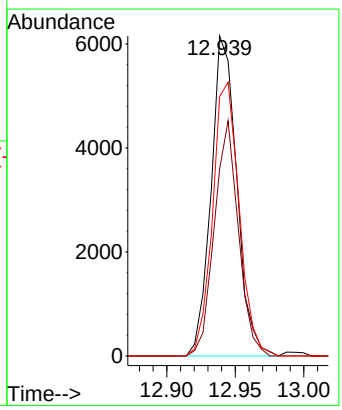


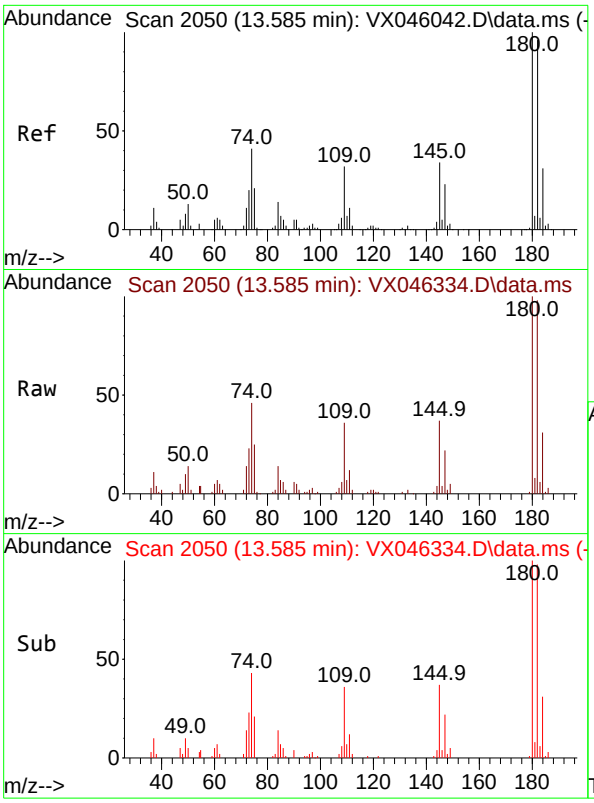




#92
1,2-Dibromo-3-Chloropropane
Concen: 20.242 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion: 75 Resp: 8025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 68.6 | 34.9 | 104.8 |
| 157 | 88.4 | 43.8 | 131.4 |



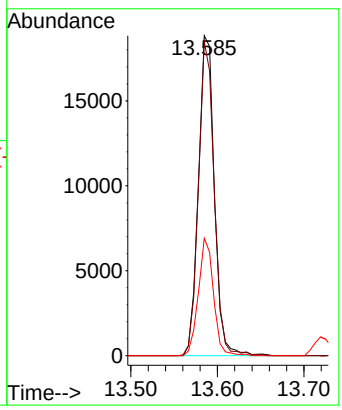


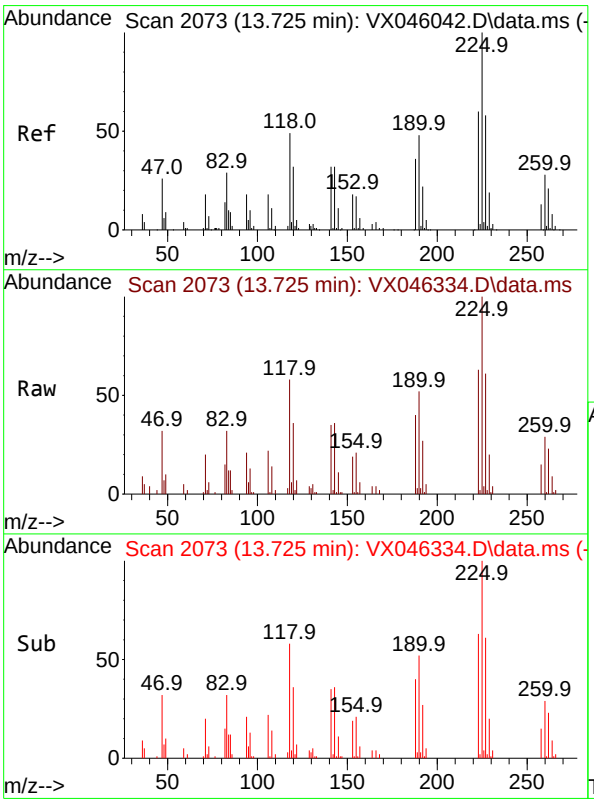

#93
1,2,4-Trichlorobenzene
Concen: 19.356 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:180 Resp: 24140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 47.9 | 143.8 |
| 145 | 34.8 | 17.1 | 51.2 |

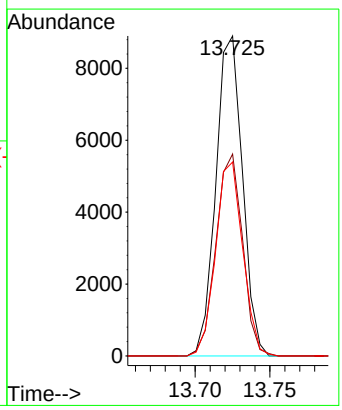


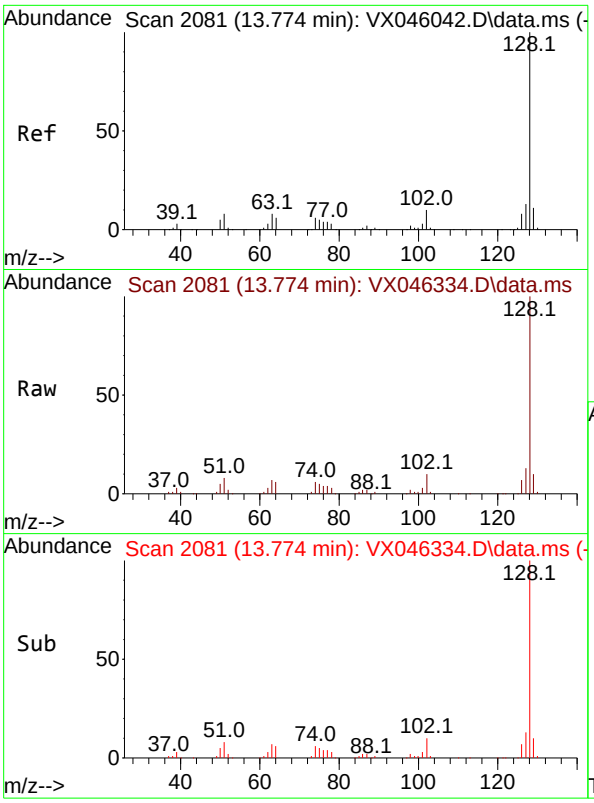




#94
Hexachlorobutadiene
Concen: 20.225 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:225 Resp: 11016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 30.8 | 92.4 |
| 227 | 61.8 | 30.9 | 92.7 |



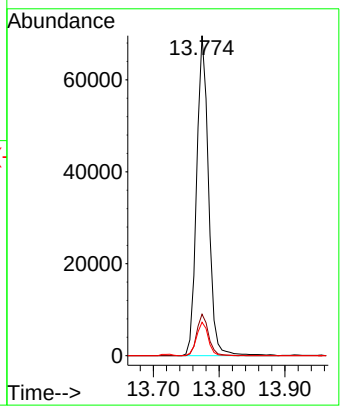


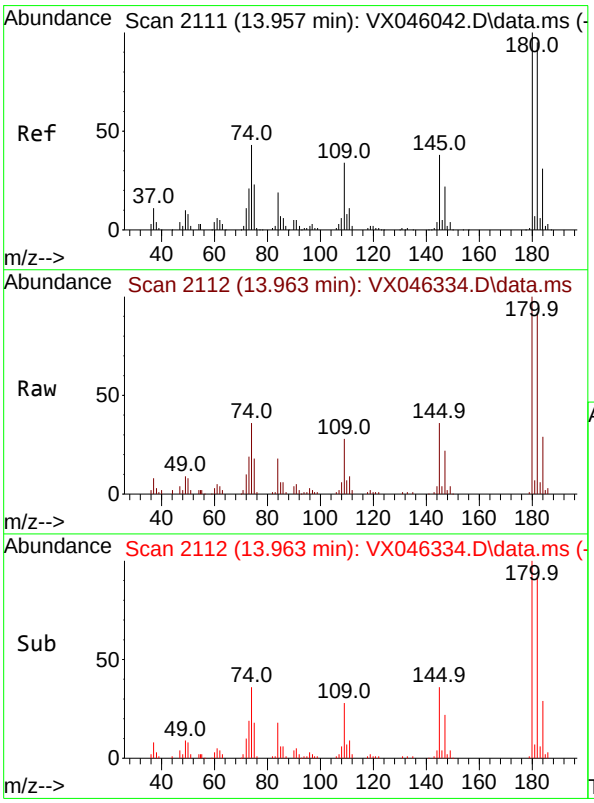

#95
Naphthalene
Concen: 19.079 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBS01

Tgt Ion:128 Resp: 87267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.4 | 15.6 |
| 129 | 10.3 | 8.6 | 13.0 |

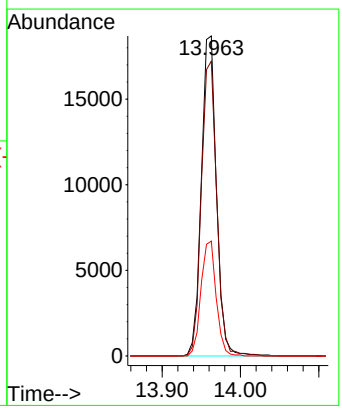



#96
1,2,3-Trichlorobenzene
Concen: 19.420 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046334.D
Acq: 23 May 2025 10:57

Tgt Ion:180 Resp: 24990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.4 | 47.8 | 143.3 |
| 145 | 36.0 | 18.1 | 54.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046337.D
Acq On : 23 May 2025 12:10
Operator : JC/MD
Sample : VX0523WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Quant Time: May 23 22:59:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 88781 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 156018 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 138561 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 64515 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 83078 | 50.193 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.380% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 57411 | 51.100 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.200% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 195435 | 50.259 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 100.520% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 77206 | 51.761 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 103.520% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 25474 | 18.747 | ug/l | 97 |
| 3) Chloromethane | 1.301 | 50 | 24413 | 18.526 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 21369 | 17.424 | ug/l | 96 |
| 5) Bromomethane | 1.599 | 94 | 9985 | 17.554 | ug/l | 97 |
| 6) Chloroethane | 1.673 | 64 | 13061 | 19.949 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.880 | 101 | 35491 | 19.581 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 11569 | 18.750 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 21961 | 19.579 | ug/l | 99 |
| 10) Methyl Iodide | 2.447 | 142 | 24410 | 18.391 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.971 | 59 | 23549 | 101.358 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 2.313 | 96 | 19463 | 18.488 | ug/l | 97 |
| 13) Acrolein | 2.233 | 56 | 25046 | 94.659 | ug/l | 98 |
| 14) Allyl chloride | 2.660 | 41 | 39575 | 19.670 | ug/l | 97 |
| 15) Acrylonitrile | 3.063 | 53 | 70219 | 105.696 | ug/l | 99 |
| 16) Acetone | 2.380 | 43 | 66639 | 100.414 | ug/l | 99 |
| 17) Carbon Disulfide | 2.508 | 76 | 35232 | 14.117 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 37985 | 24.666 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 76705 | 20.783 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 23632 | 18.582 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 19656 | 18.567 | ug/l | 97 |
| 22) Diisopropyl ether | 3.757 | 45 | 82218 | 21.156 | ug/l | 94 |
| 23) Vinyl Acetate | 3.721 | 43 | 343611 | 100.524 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 44347 | 20.487 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 101697 | 105.553 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 33007 | 19.482 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 25739 | 20.196 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 22384 | 21.483 | ug/l | 97 |
| 29) Tetrahydrofuran | 5.007 | 42 | 63143 | 104.588 | ug/l | 99 |
| 30) Chloroform | 5.087 | 83 | 47399 | 21.008 | ug/l | 96 |
| 31) Cyclohexane | 5.465 | 56 | 37631 | 19.078 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 39871 | 20.386 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 29850 | 19.774 | ug/l | 100 |
| 37) Ethyl Acetate | 4.715 | 43 | 37140 | 19.914 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 32350 | 19.073 | ug/l | 98 |
| 39) Methylcyclohexane | 7.379 | 83 | 36232 | 18.644 | ug/l | 95 |
| 40) Benzene | 6.031 | 78 | 90373 | 20.439 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046337.D
Acq On : 23 May 2025 12:10
Operator : JC/MD
Sample : VX0523WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Quant Time: May 23 22:59:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 21497 | 22.034 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 39414 | 20.654 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 59852 | 21.036 | ug/l | | 100 |
| 44) Trichloroethene | 7.123 | 130 | 21039 | 19.770 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 23384 | 21.269 | ug/l | | 98 |
| 46) Dibromomethane | 7.580 | 93 | 17380 | 20.043 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 34711 | 20.324 | ug/l | | 94 |
| 48) Methyl methacrylate | 7.690 | 41 | 31880 | 21.940 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 12226 | 443.135 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 203409 | 107.703 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 56025 | 20.664 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 29223 | 19.250 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 33496 | 19.964 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 23165 | 21.669 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 37300 | 21.892 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 40634 | 21.164 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 91224 | 105.020 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 154608 | 110.651 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 23795 | 20.267 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 23433 | 21.090 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 19788 | 20.184 | ug/l | | 95 |
| 65) Chlorobenzene | 10.080 | 112 | 60662 | 20.002 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 20600 | 19.892 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 110710 | 20.709 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 80300 | 41.069 | ug/l | | 97 |
| 69) o-Xylene | 10.640 | 106 | 40011 | 20.990 | ug/l | | 94 |
| 70) Styrene | 10.653 | 104 | 67035 | 21.468 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 14390 | 18.508 | ug/l | # | 97 |
| 73) Isopropylbenzene | 10.957 | 105 | 108018 | 21.506 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 53653 | 21.617 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 37352 | 21.221 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 38333 | 24.685 | ug/l | | 88 |
| 77) Bromobenzene | 11.195 | 156 | 24128 | 20.692 | ug/l | | 98 |
| 78) n-propylbenzene | 11.299 | 91 | 122931 | 21.050 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 78220 | 20.765 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 91615 | 21.833 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 8375 | 17.558 | ug/l | | 89 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 88845 | 21.268 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 90311 | 21.367 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 92322 | 21.726 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 112789 | 21.734 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 92615 | 21.620 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 43835 | 20.598 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 44676 | 20.556 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 78814 | 20.975 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 14474 | 19.179 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 46803 | 21.916 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 8003 | 20.524 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 26034 | 21.225 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 10958 | 20.455 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 95806 | 21.296 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 26794 | 21.171 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046337.D
Acq On : 23 May 2025 12:10
Operator : JC/MD
Sample : VX0523WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Quant Time: May 23 22:59:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

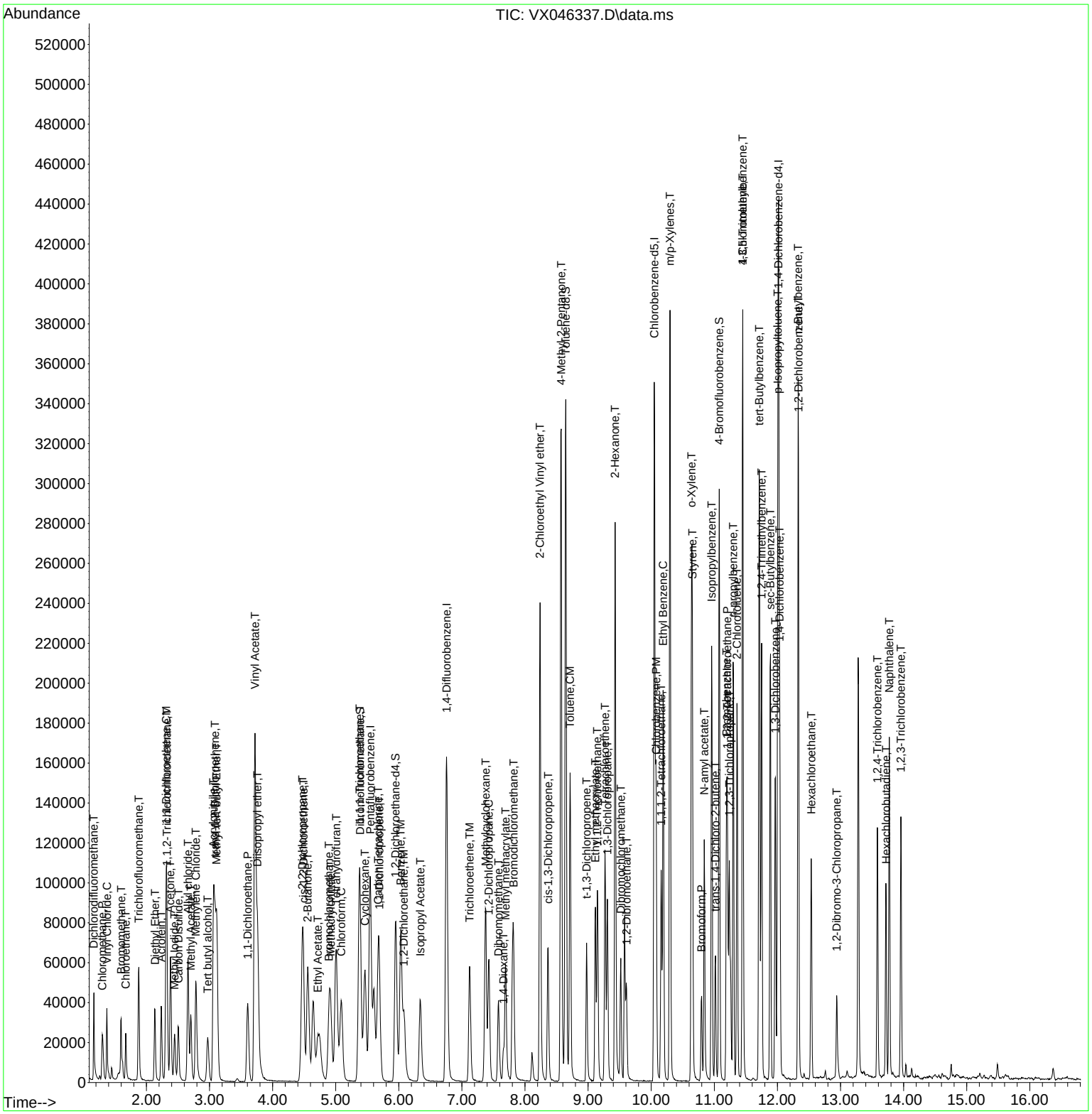
(#) = qualifier out of range (m) = manual integration (+) = signals summed

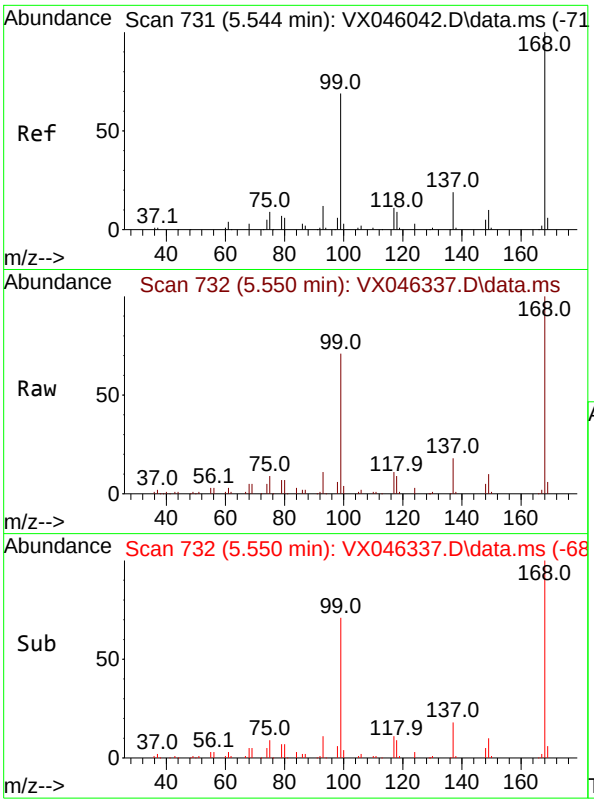
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046337.D
Acq On : 23 May 2025 12:10
Operator : JC/MD
Sample : VX0523WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Quant Time: May 23 22:59:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



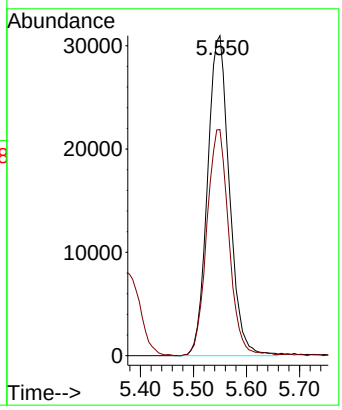


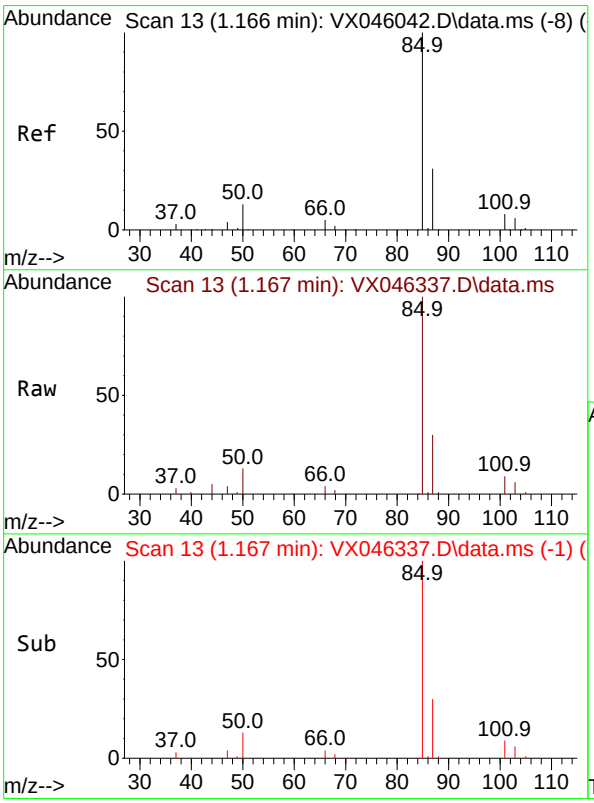

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:168 Resp: 88781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 70.7 | 54.9 | 82.3 |

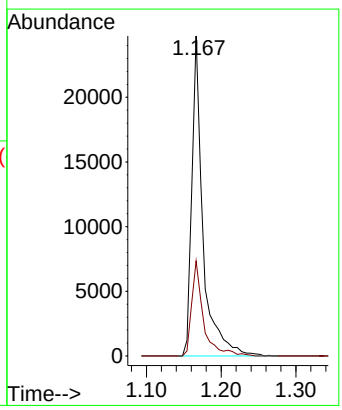


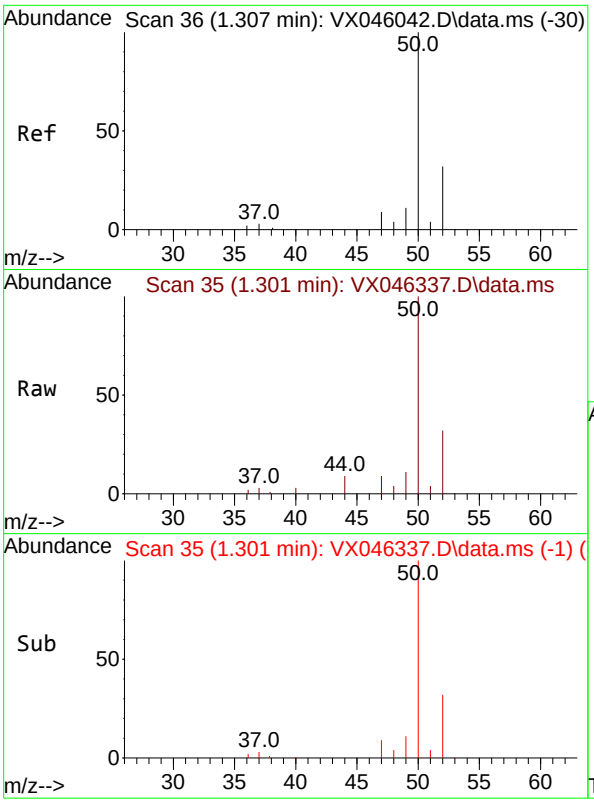




#2
Dichlorodifluoromethane
Concen: 18.747 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 85 Resp: 25474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 29.7 | 15.7 | 47.1 |



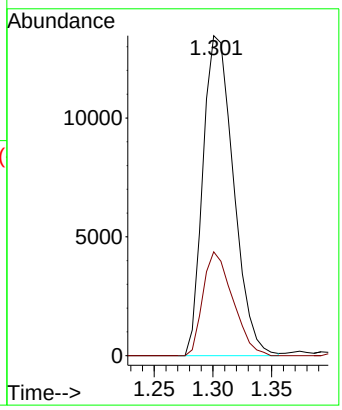


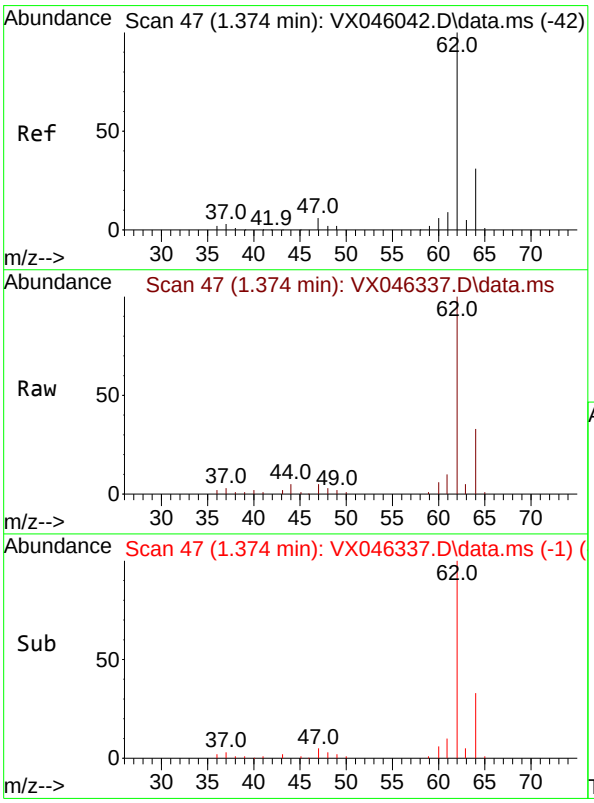

#3
Chloromethane
Concen: 18.526 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 50 Resp: 24413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 25.4 | 38.2 |

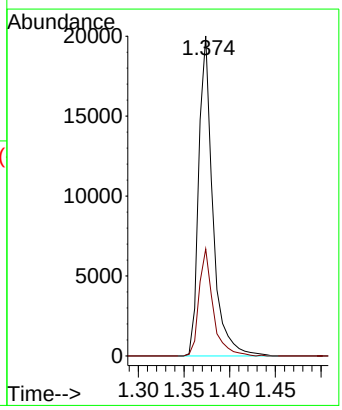


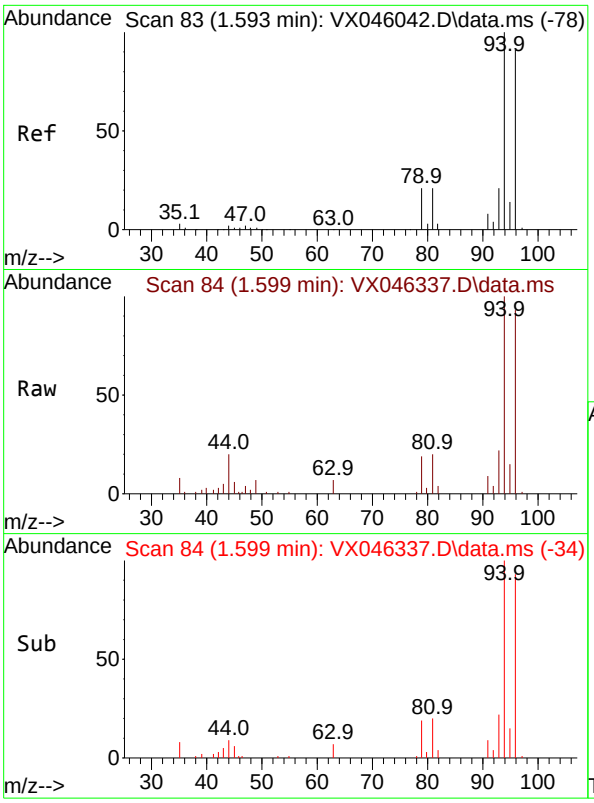




#4
Vinyl Chloride
Concen: 17.424 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 62 Resp: 21369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.5 | 25.2 | 37.8 |



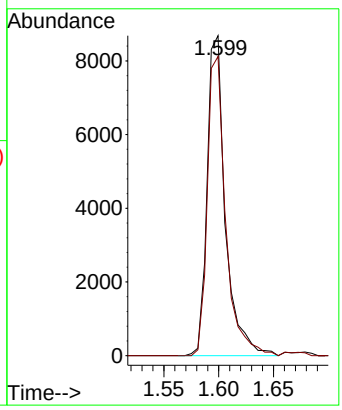


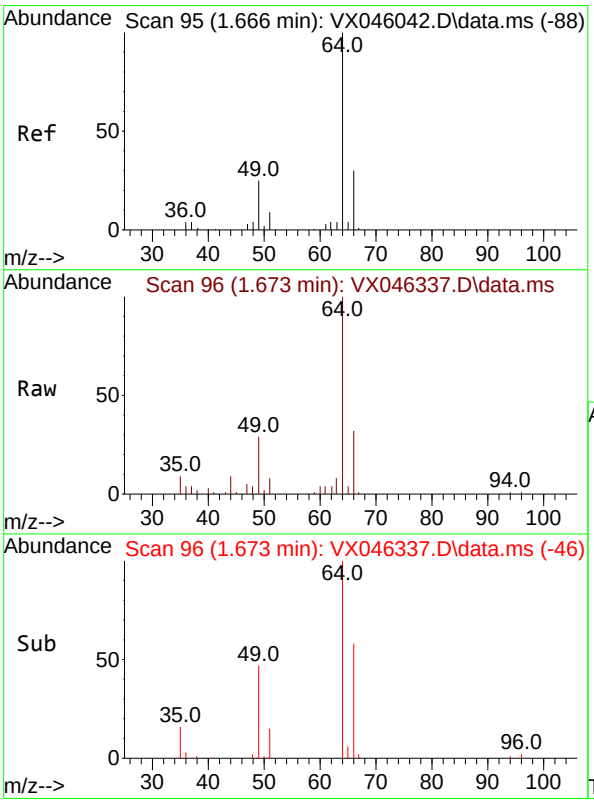

#5
Bromomethane
Concen: 17.554 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 94 Resp: 9985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.5 | 72.8 | 109.2 |

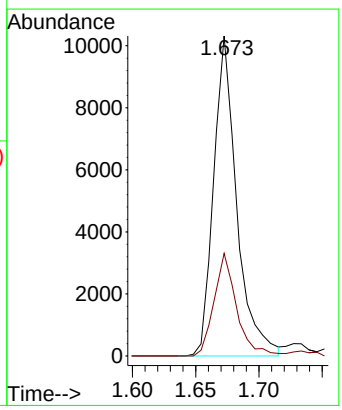


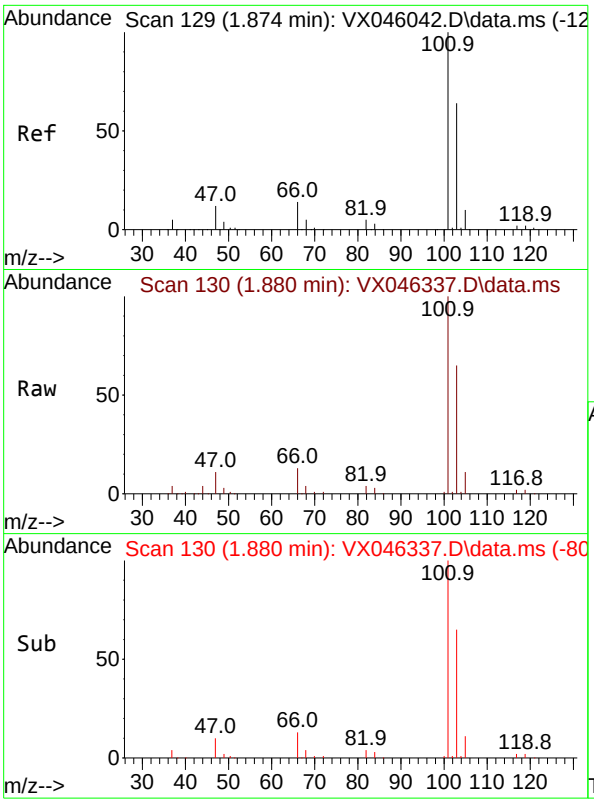




#6
Chloroethane
Concen: 19.949 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 64 Resp: 13061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.0 | 24.3 | 36.5 |



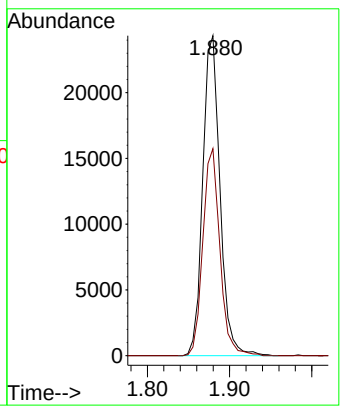


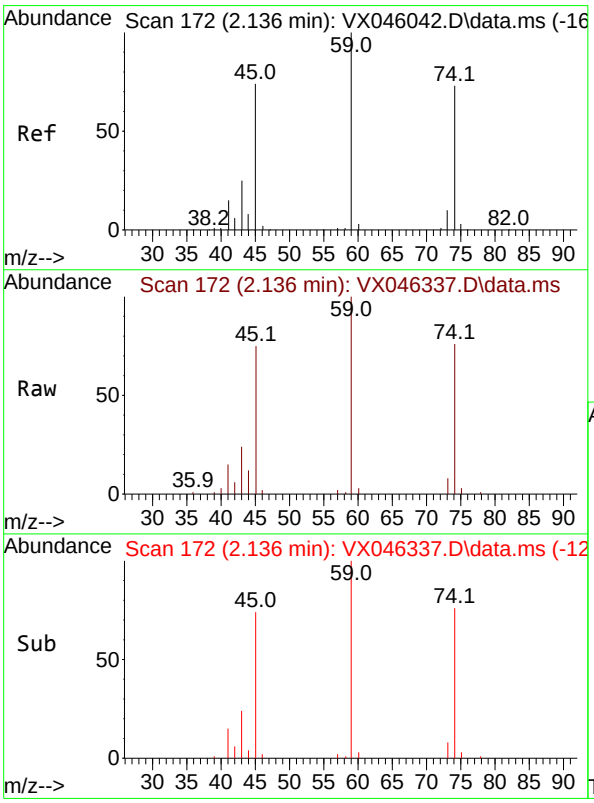

#7
Trichlorofluoromethane
Concen: 19.581 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:101 Resp: 35491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.7 | 51.0 | 76.4 |

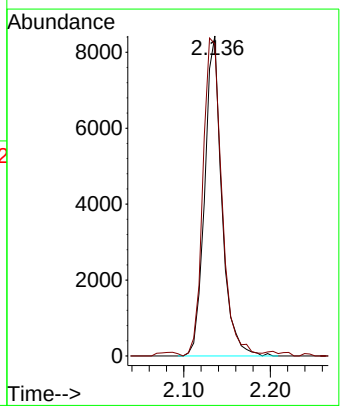


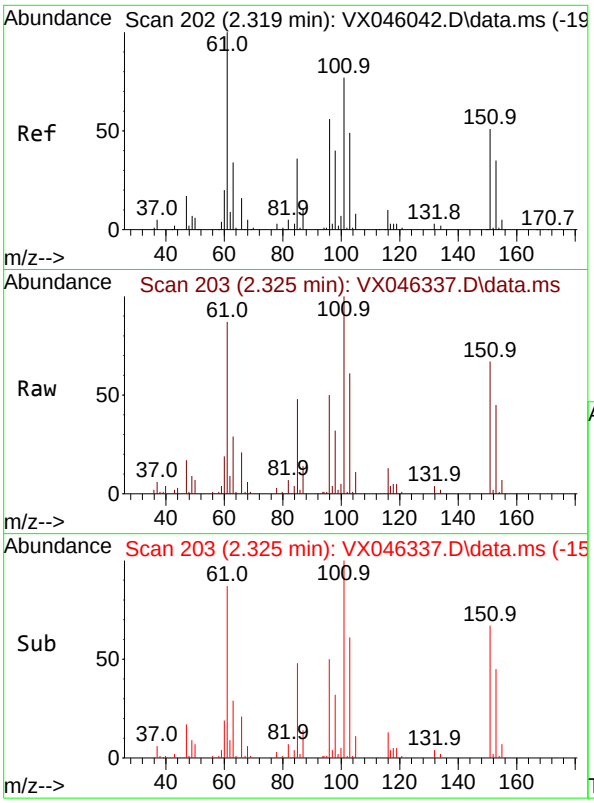




#8
Diethyl Ether
Concen: 18.750 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 74 Resp: 11569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 110.3 | 54.9 | 164.8 |



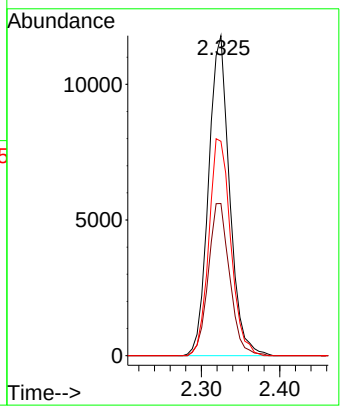


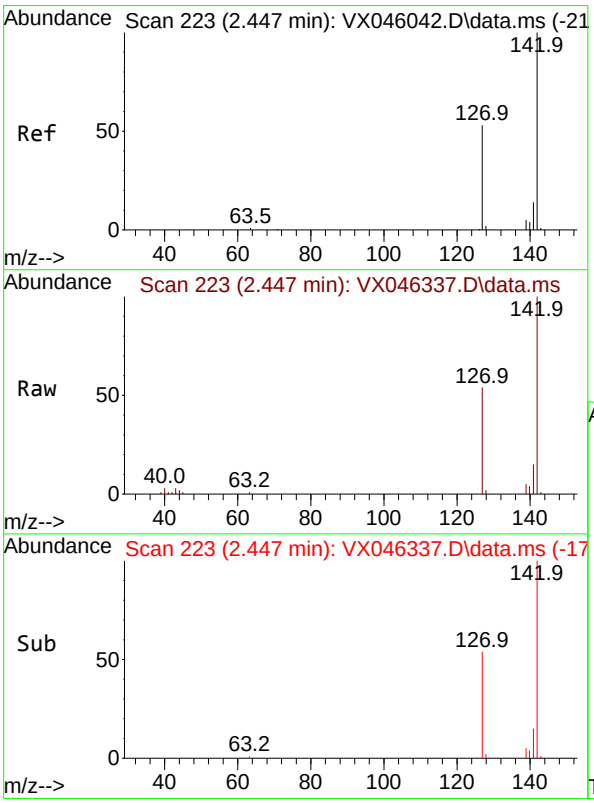

#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.579 ug/l
RT: 2.325 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:101 Resp: 21961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.4 | 38.6 | 58.0 |
| 151 | 70.4 | 55.2 | 82.8 |

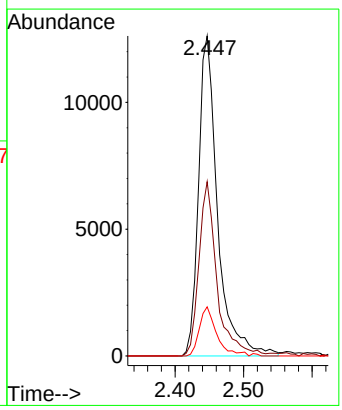


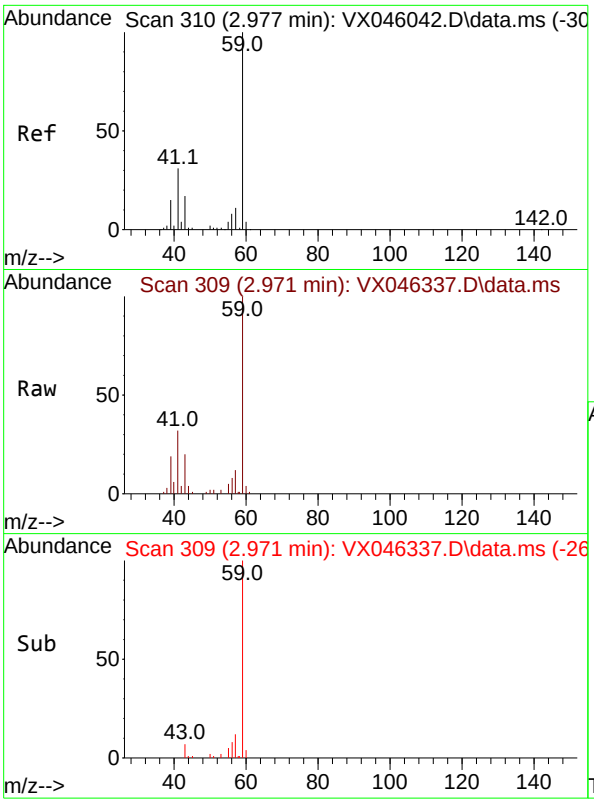




#10
Methyl Iodide
Concen: 18.391 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:142 Resp: 24410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 51.4 | 41.7 | 62.5 |
| 141 | 14.1 | 11.5 | 17.3 |



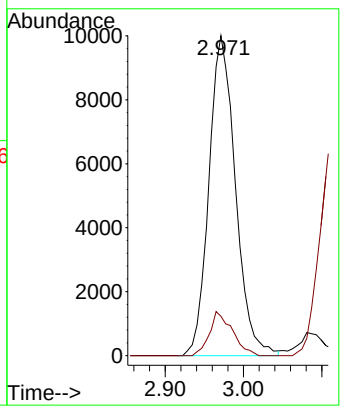


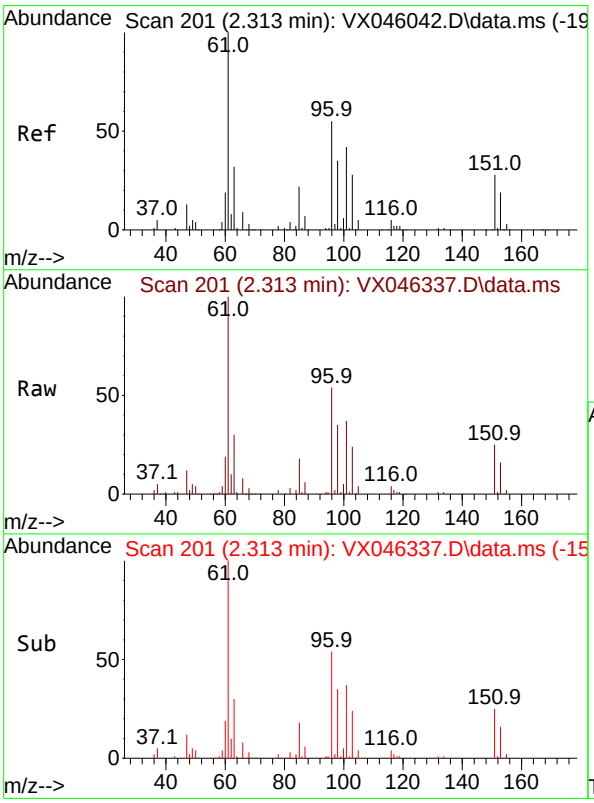

#11
Tert butyl alcohol
Concen: 101.358 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 59 Resp: 23549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.9 | 8.6 | 12.8 |

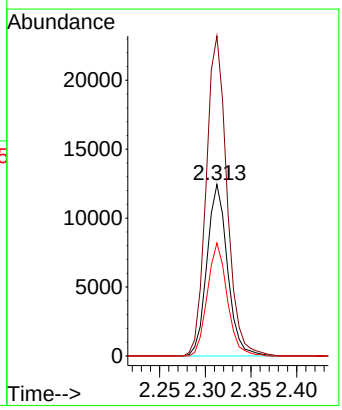


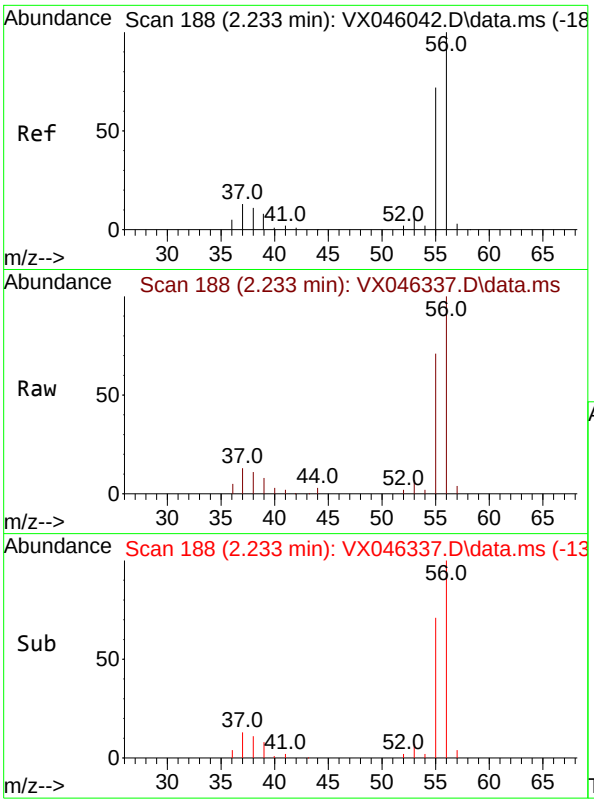




#12
1,1-Dichloroethene
Concen: 18.488 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 96 Resp: 19463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 186.6 | 146.2 | 219.2 |
| 98 | 65.9 | 51.0 | 76.6 |



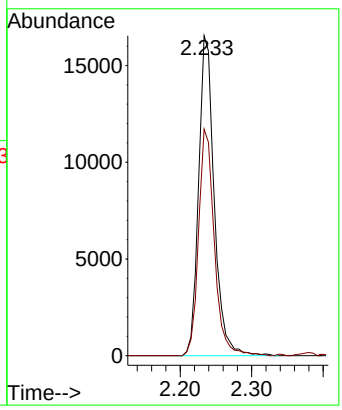


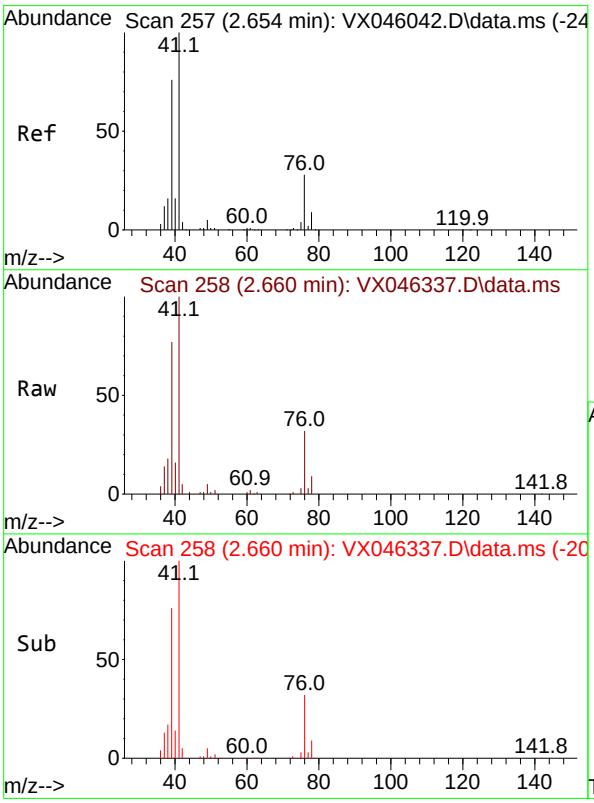

#13
Acrolein
Concen: 94.659 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 56 Resp: 25046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.7 | 56.2 | 84.4 |

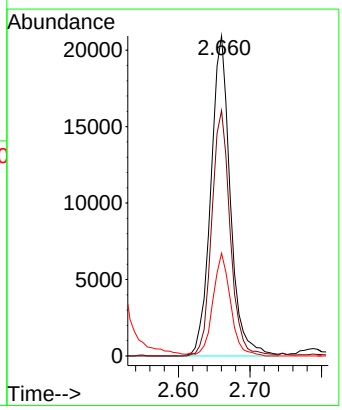


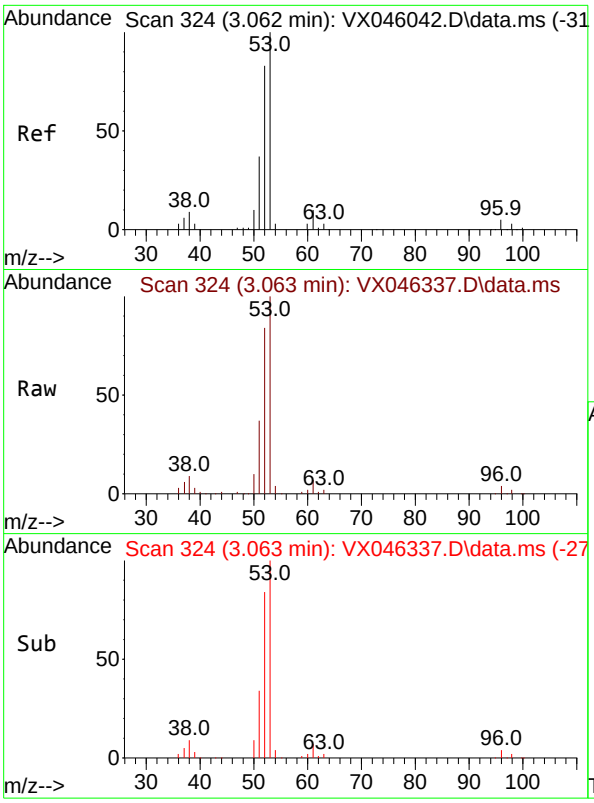




#14
Allyl chloride
Concen: 19.670 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 41 Resp: 39575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.8 | 60.6 | 90.8 |
| 76 | 29.2 | 24.9 | 37.3 |



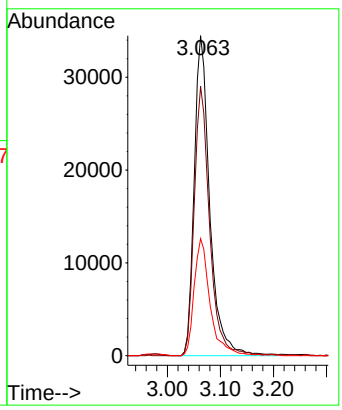


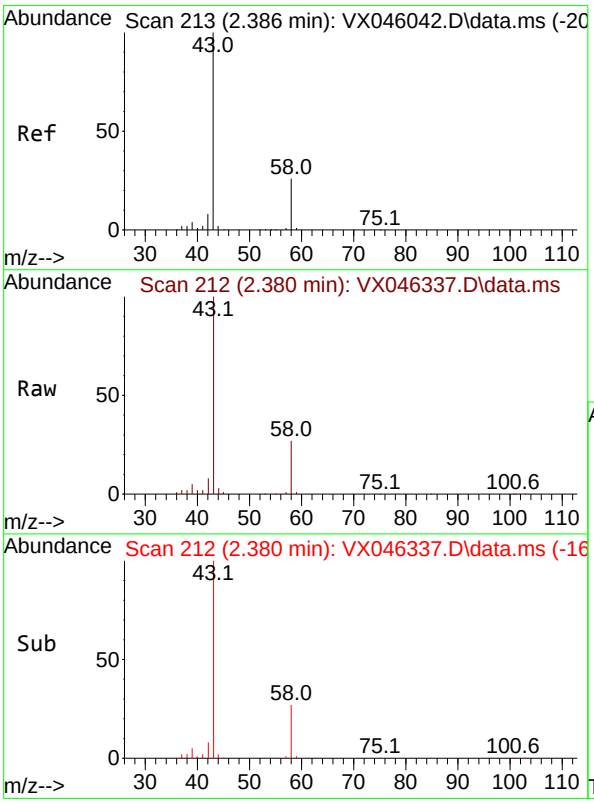

#15
Acrylonitrile
Concen: 105.696 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 53 Resp: 70219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.1 | 65.3 | 97.9 |
| 51 | 37.7 | 29.8 | 44.8 |

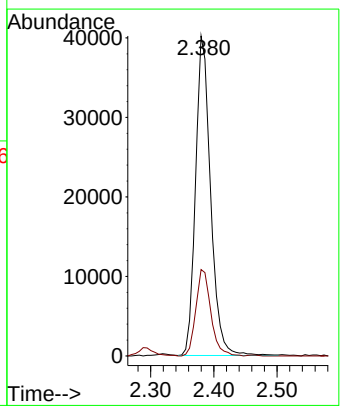


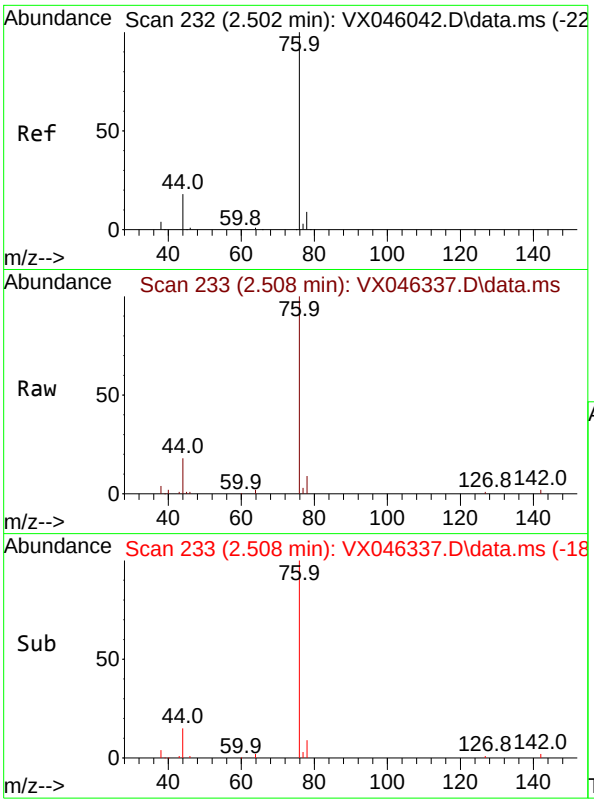




#16
Acetone
Concen: 100.414 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 43 Resp: 66639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.0 | 21.2 | 31.8 |



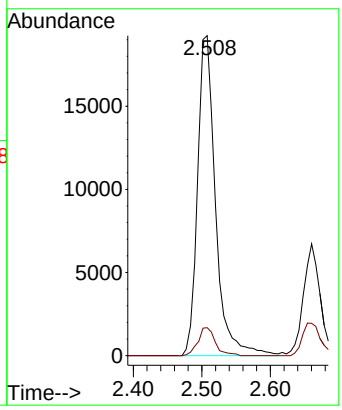


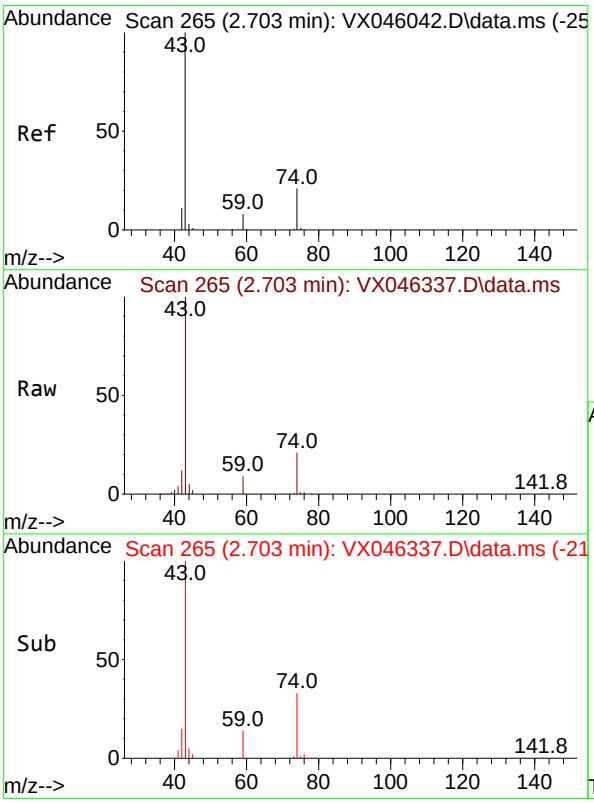

#17
Carbon Disulfide
Concen: 14.117 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 76 Resp: 35232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.0 | 10.4 |

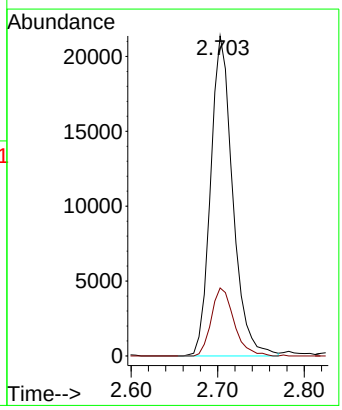


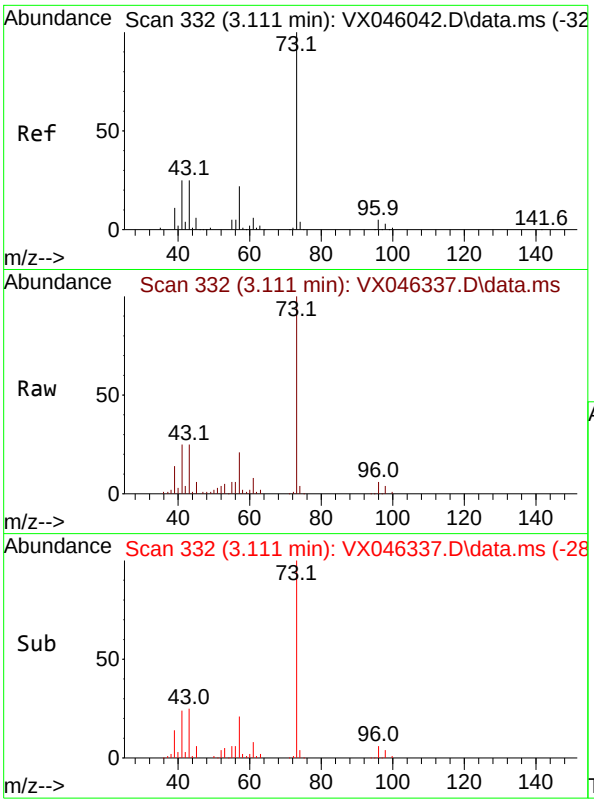




#18
Methyl Acetate
Concen: 24.666 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 43 Resp: 37985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.7 | 16.7 | 25.1 |



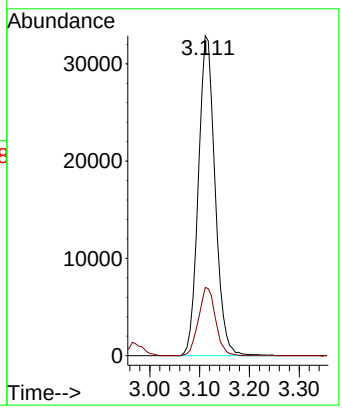


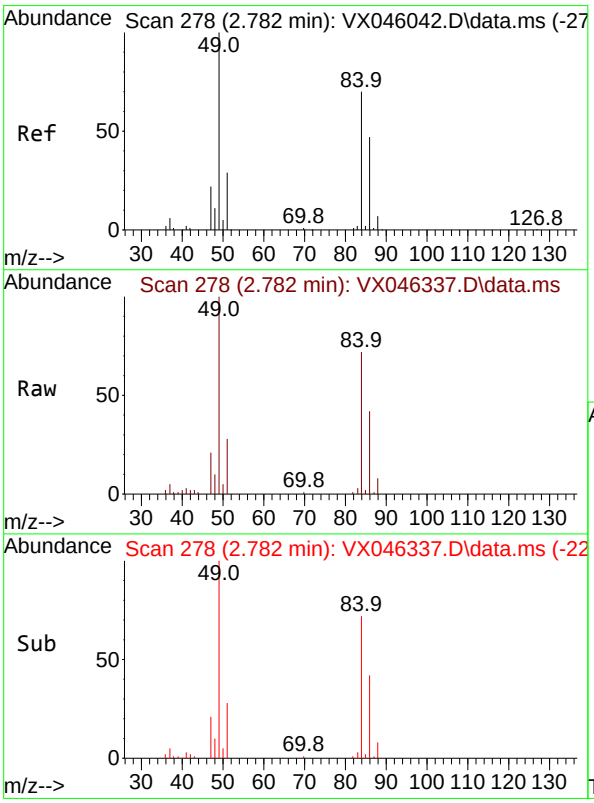

#19
Methyl tert-butyl Ether
Concen: 20.783 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 73 Resp: 76705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.3 | 17.7 | 26.5 |

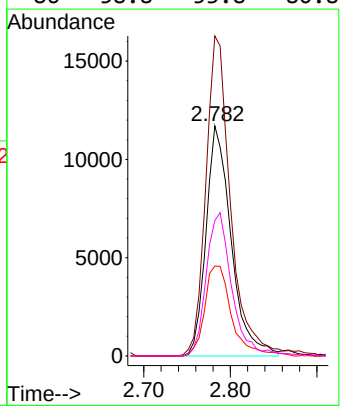


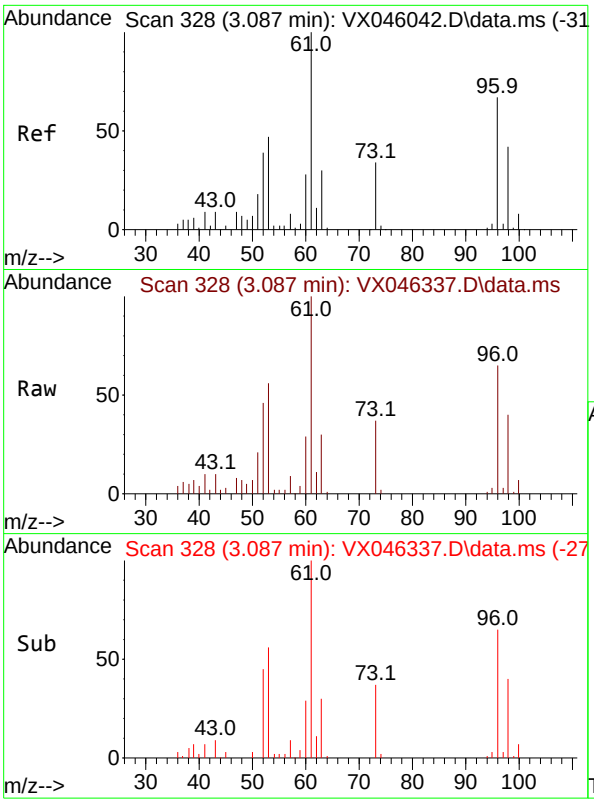




#20
Methylene Chloride
Concen: 18.582 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 84 Resp: 23632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 139.1 | 113.9 | 170.9 |
| 51 | 39.1 | 33.5 | 50.3 |
| 86 | 58.8 | 53.8 | 80.8 |



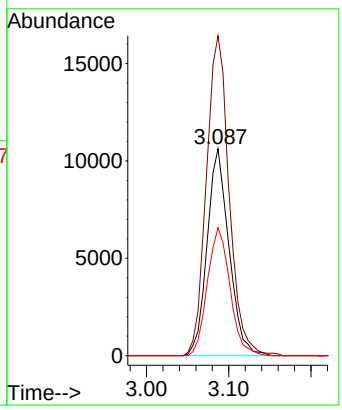


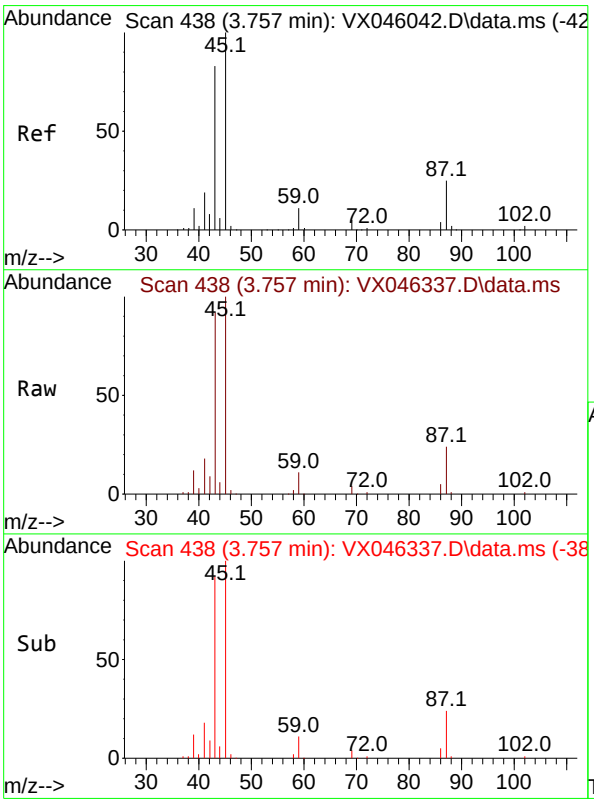

#21
trans-1,2-Dichloroethene
Concen: 18.567 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 96 Resp: 19656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.7 | 119.5 | 179.3 |
| 98 | 61.9 | 50.0 | 75.0 |

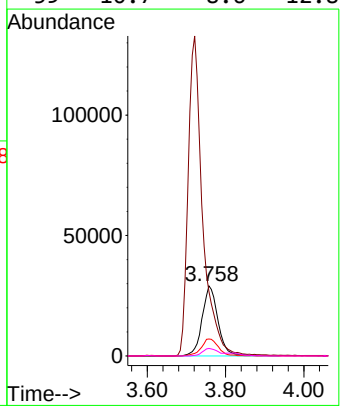


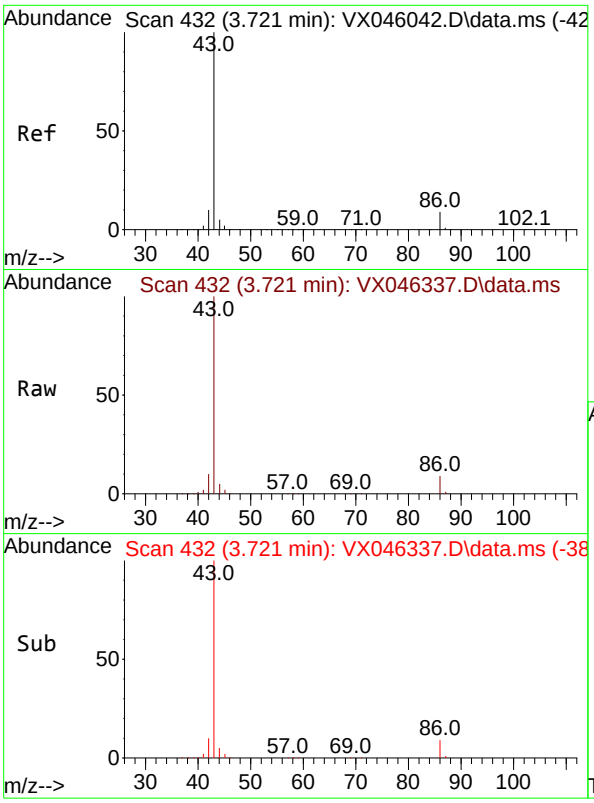




#22
Diisopropyl ether
Concen: 21.156 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 45 Resp: 82218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 91.3 | 66.6 | 100.0 |
| 87 | 24.2 | 19.8 | 29.6 |
| 59 | 10.7 | 8.6 | 12.8 |



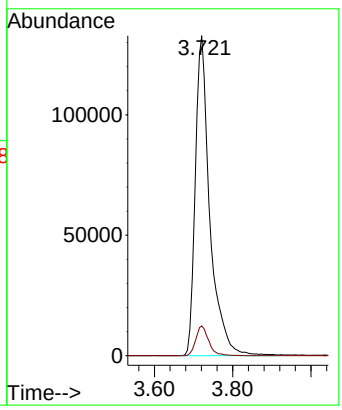


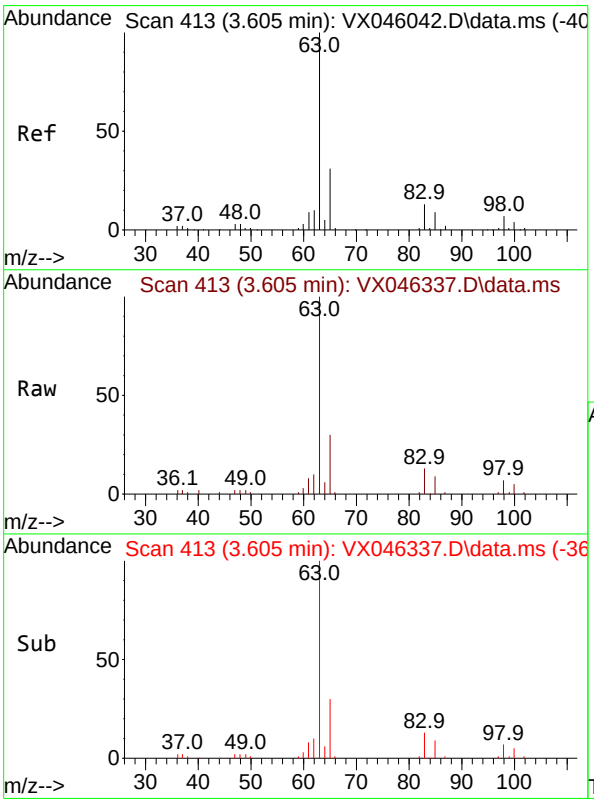

#23
Vinyl Acetate
Concen: 100.524 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 43 Resp: 343611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.3 | 7.5 | 11.3 |

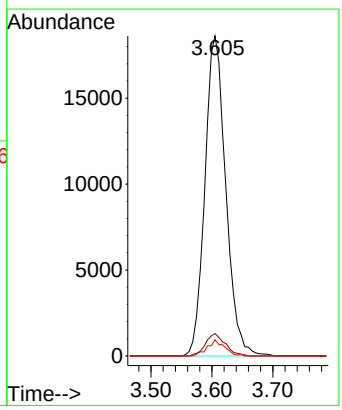


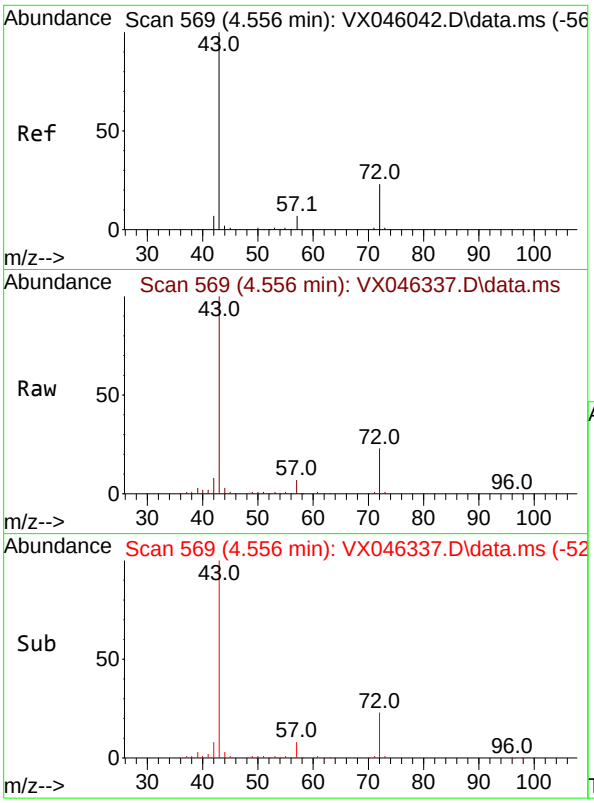




#24
1,1-Dichloroethane
Concen: 20.487 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 63 Resp: 44347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.6 | 10.8 |
| 100 | 5.1 | 2.1 | 6.3 |



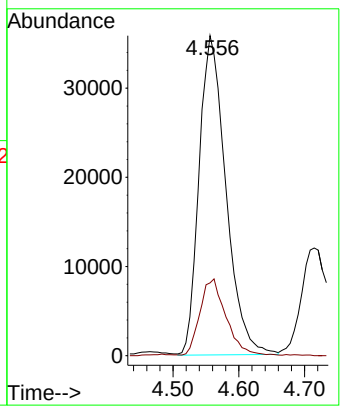


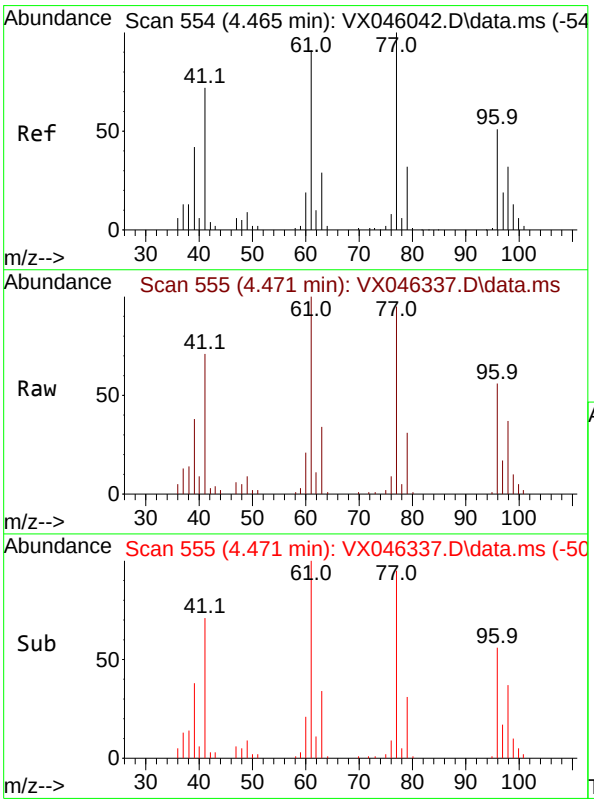

#25
2-Butanone
Concen: 105.553 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 43 Resp: 101697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.7 | 18.4 | 27.6 |

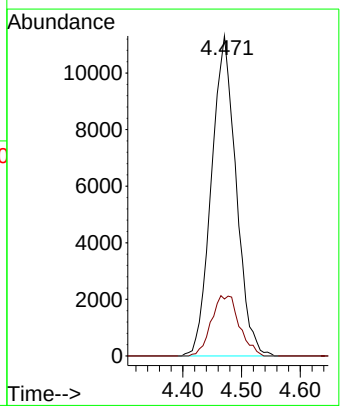


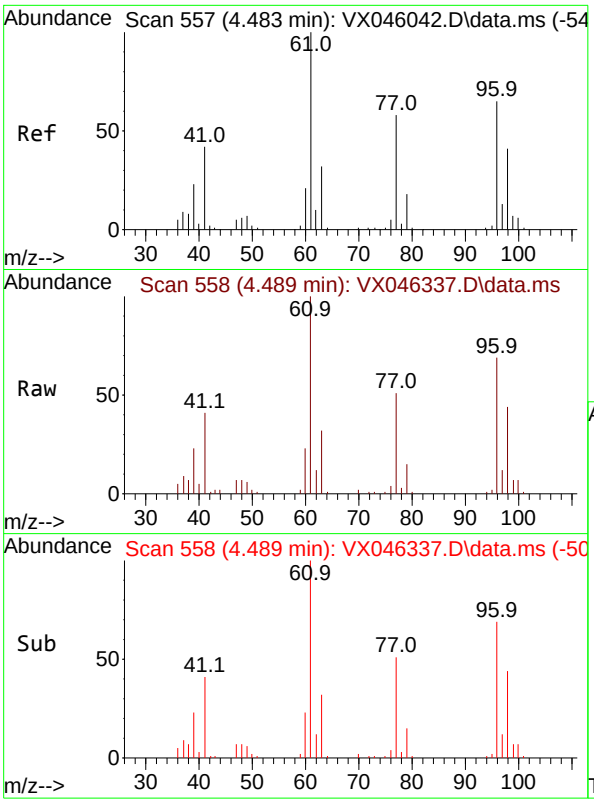




#26
2,2-Dichloropropane
Concen: 19.482 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 77 Resp: 33007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.4 | 10.5 | 31.5 |



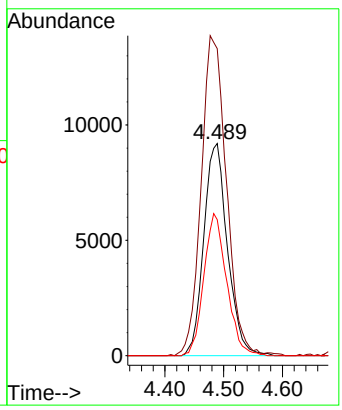


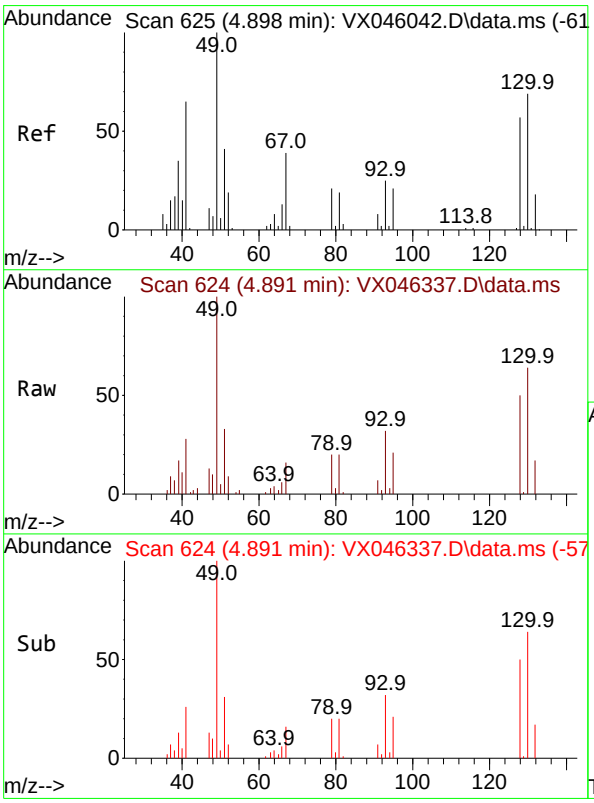

#27
cis-1,2-Dichloroethene
Concen: 20.196 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 96 Resp: 25739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.1 | 0.0 | 322.8 |
| 98 | 64.6 | 0.0 | 129.0 |

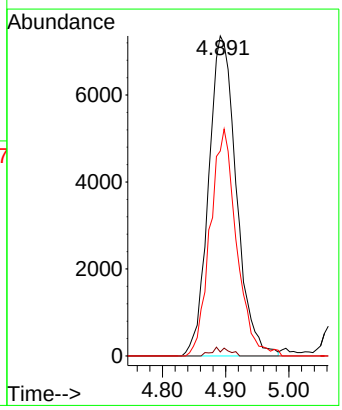


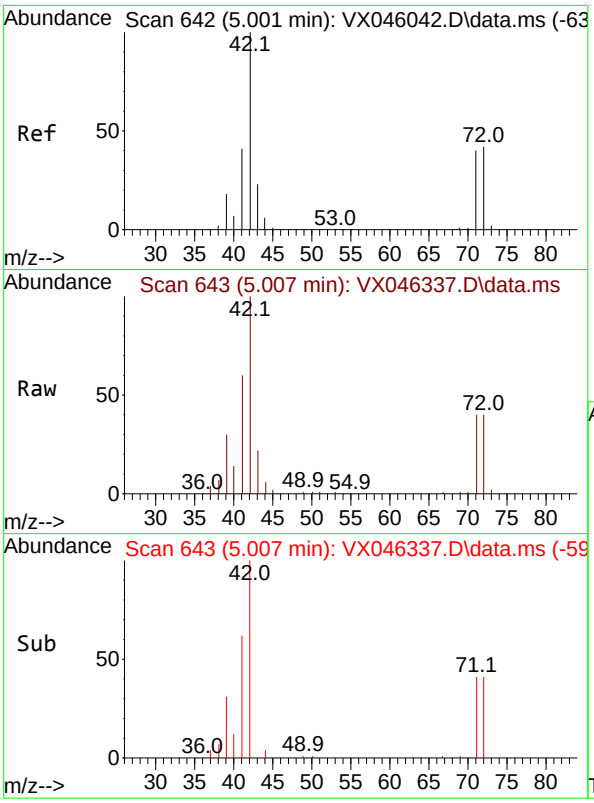




#28
Bromochloromethane
Concen: 21.483 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 49 Resp: 22384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.6 | 0.0 | 4.0 |
| 130 | 67.5 | 56.2 | 84.2 |



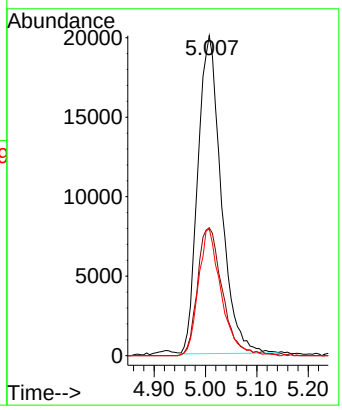


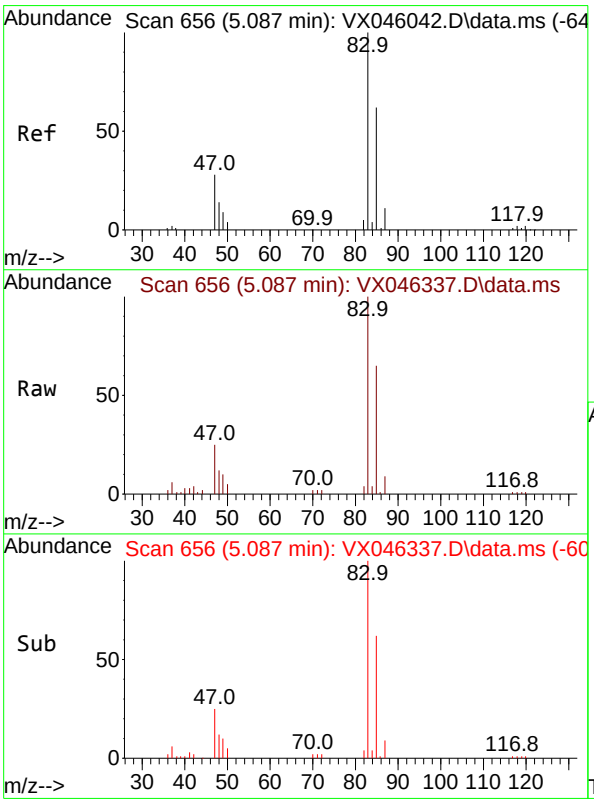

#29
Tetrahydrofuran
Concen: 104.588 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 42 Resp: 63143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.0 | 33.7 | 50.5 |
| 71 | 39.2 | 31.4 | 47.2 |

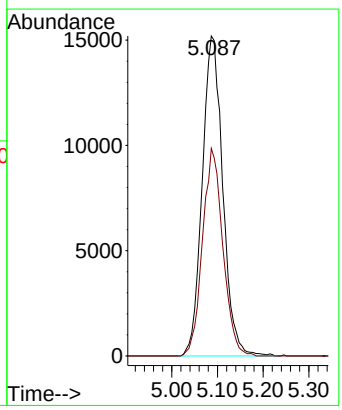


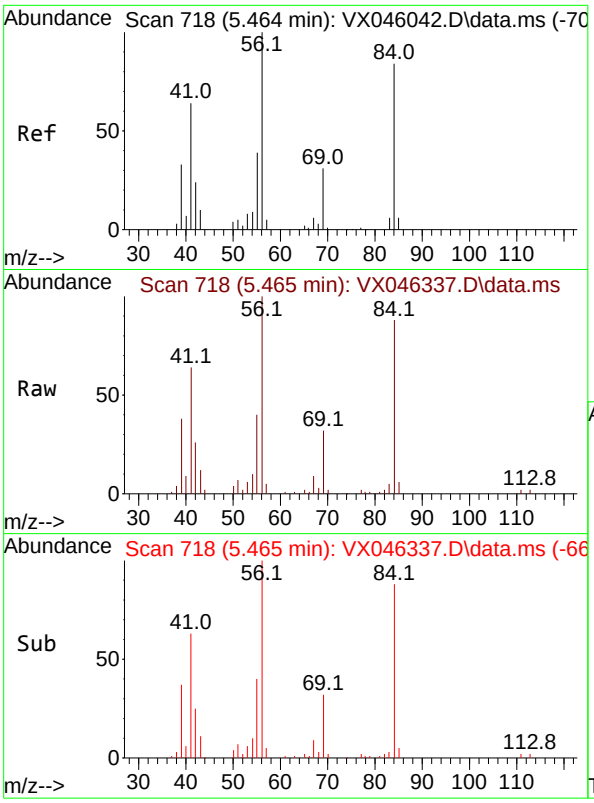




#30
Chloroform
Concen: 21.008 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 83 Resp: 47399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 49.3 | 73.9 |



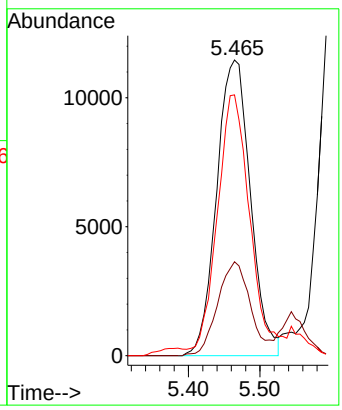


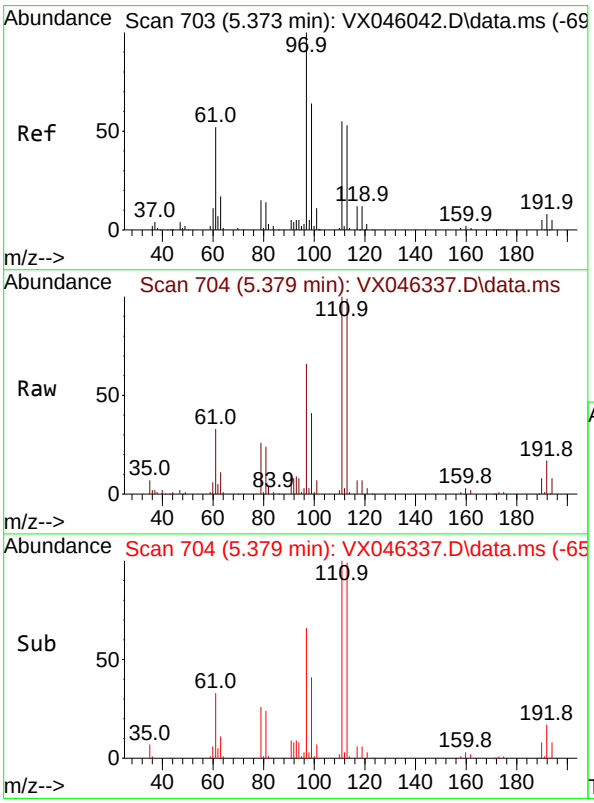

#31
Cyclohexane
Concen: 19.078 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 56 Resp: 37631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.8 | 24.4 | 36.6 |
| 84 | 85.6 | 66.9 | 100.3 |

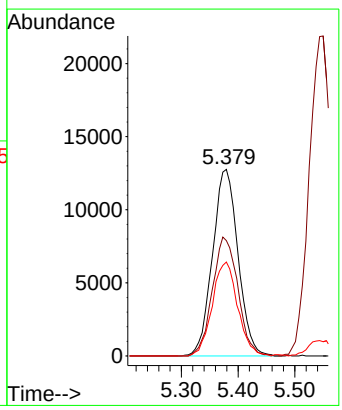


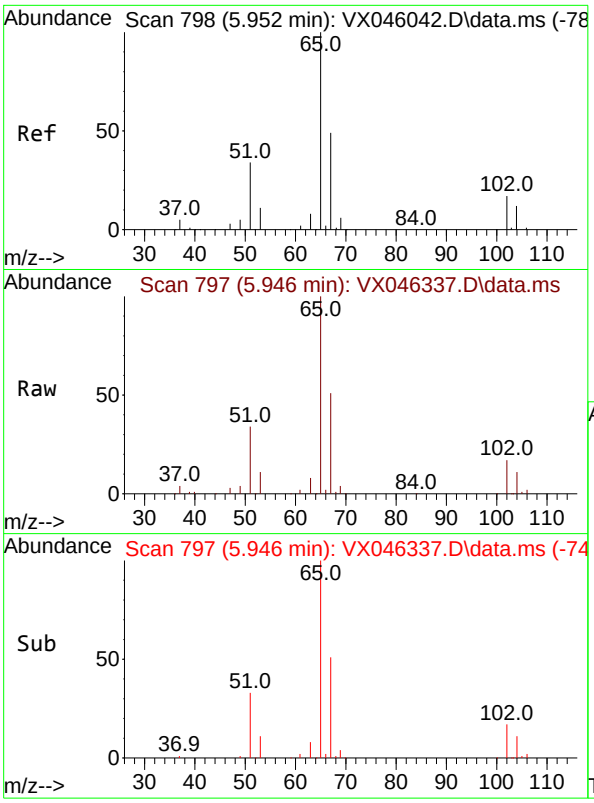




#32
1,1,1-Trichloroethane
Concen: 20.386 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 97 Resp: 39871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 51.8 | 77.6 |
| 61 | 50.2 | 40.1 | 60.1 |



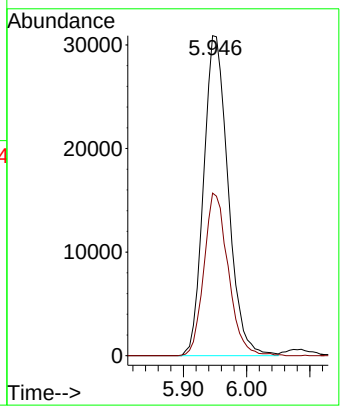


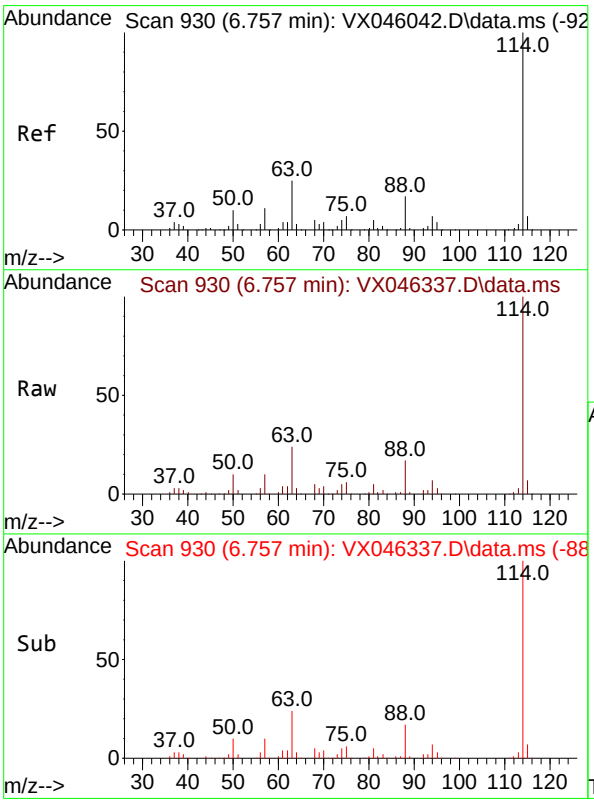

#33
1,2-Dichloroethane-d4
Concen: 50.193 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 65 Resp: 83078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.4 | 0.0 | 99.0 |

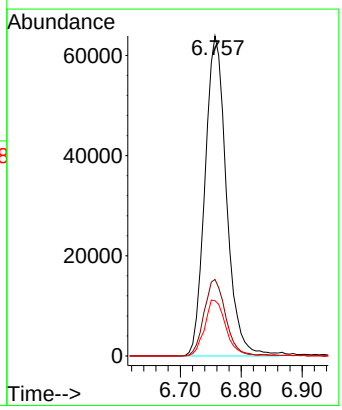


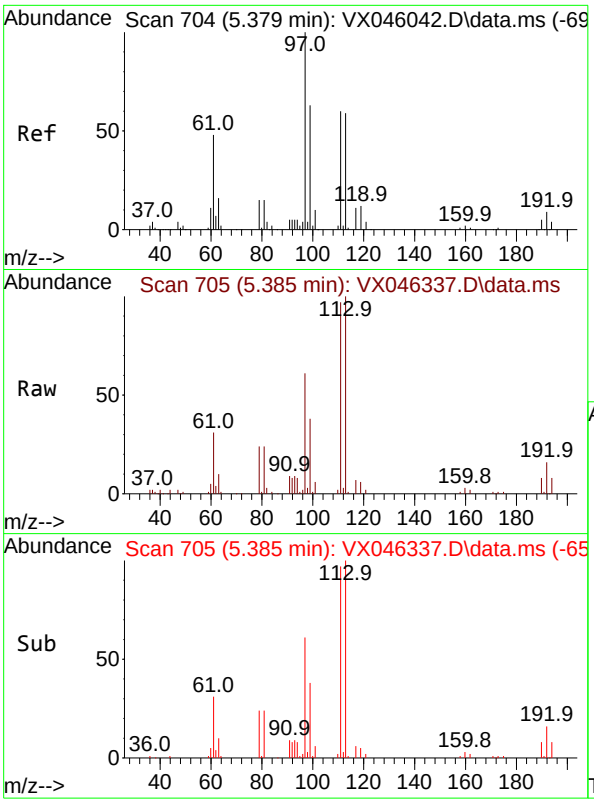




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:114 Resp: 156018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.9 | 0.0 | 49.2 |
| 88 | 17.3 | 0.0 | 33.6 |



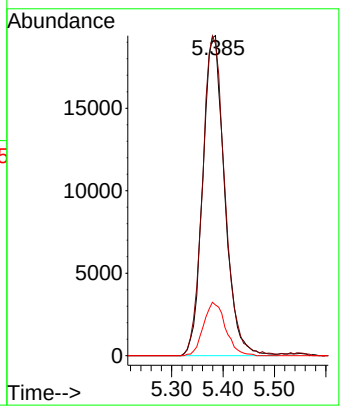


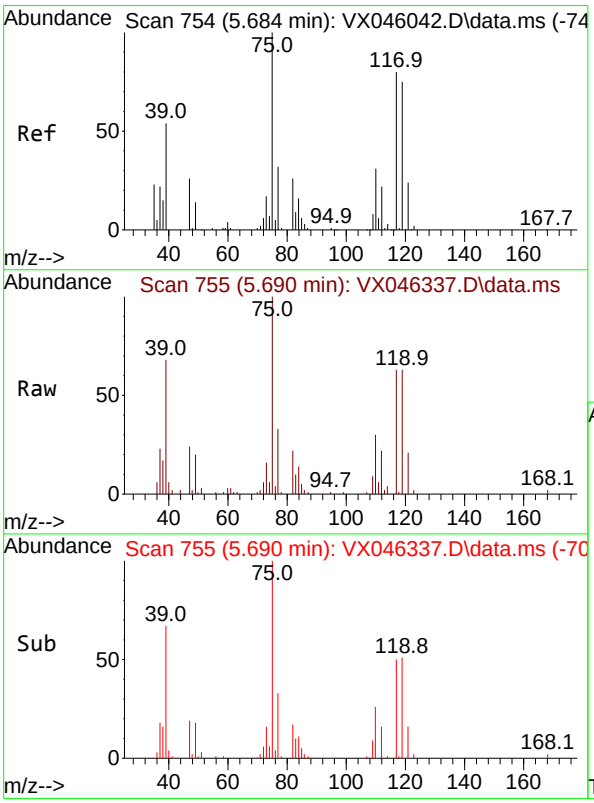

#35
Dibromofluoromethane
Concen: 51.100 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:113 Resp: 57411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 83.1 | 124.7 |
| 192 | 16.9 | 13.3 | 19.9 |

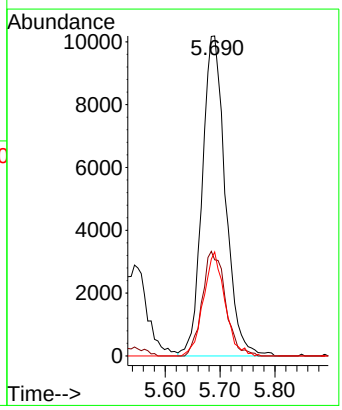


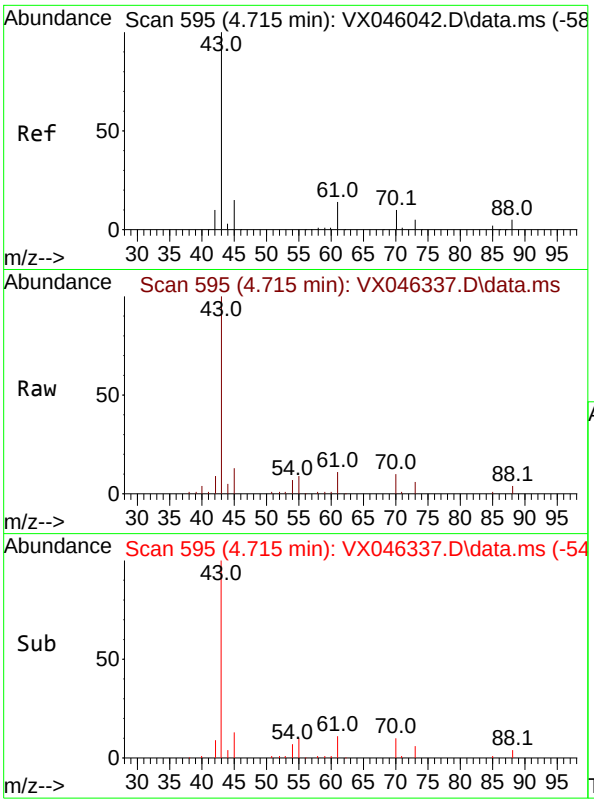




#36
1,1-Dichloropropene
Concen: 19.774 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 75 Resp: 29850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.8 | 16.3 | 48.9 |
| 77 | 30.2 | 24.3 | 36.5 |



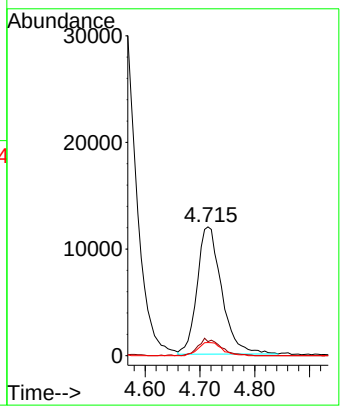


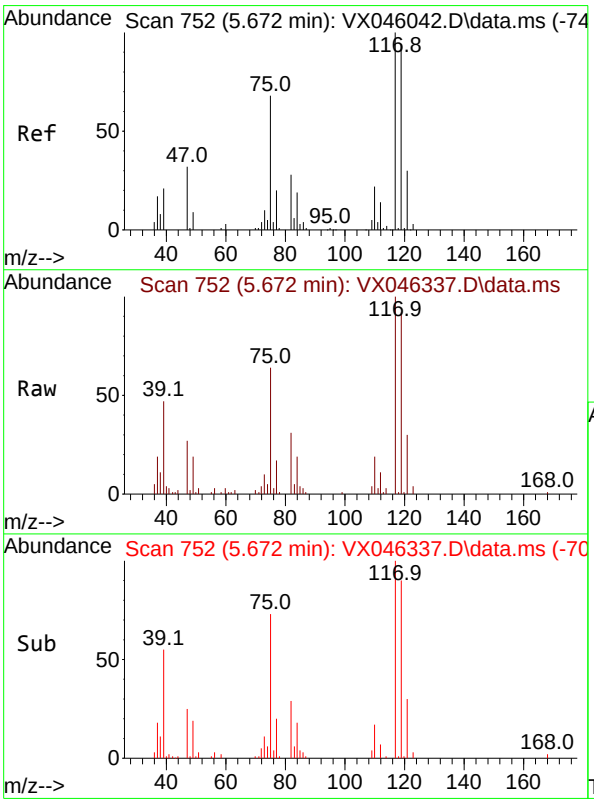

#37
Ethyl Acetate
Concen: 19.914 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 43 Resp: 37140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.4 | 10.3 | 15.5 |
| 70 | 9.9 | 7.9 | 11.9 |

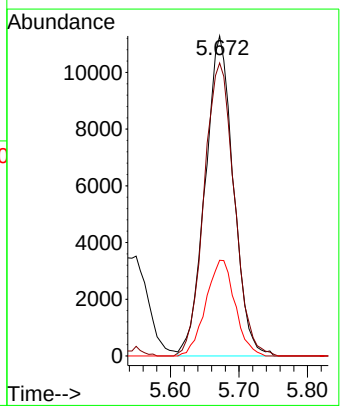


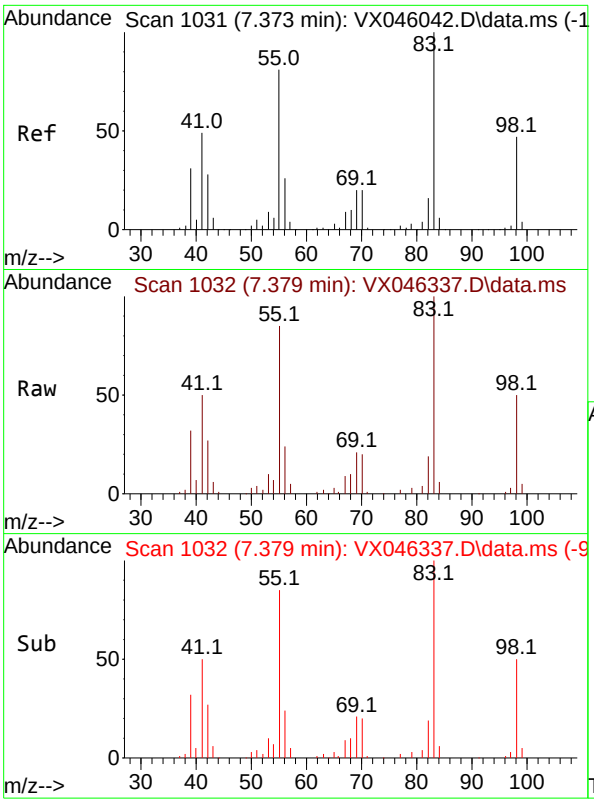




#38
Carbon Tetrachloride
Concen: 19.073 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:117 Resp: 32350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.6 | 75.2 | 112.8 |
| 121 | 29.9 | 24.2 | 36.4 |



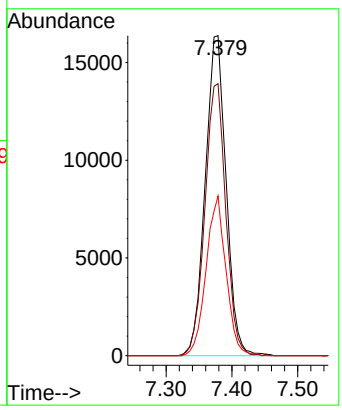


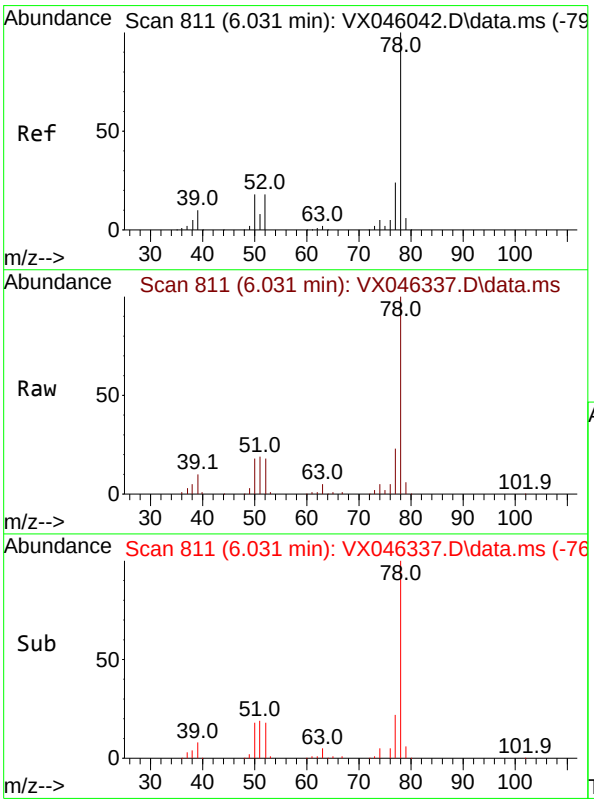

#39
Methylcyclohexane
Concen: 18.644 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 83 Resp: 36232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 85.0 | 64.7 | 97.1 |
| 98 | 49.9 | 37.4 | 56.2 |

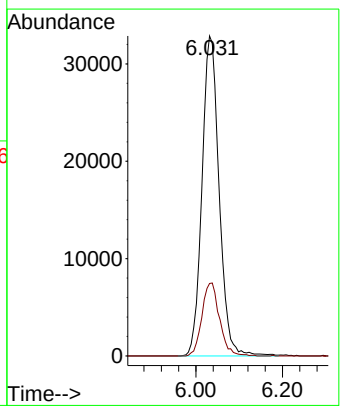


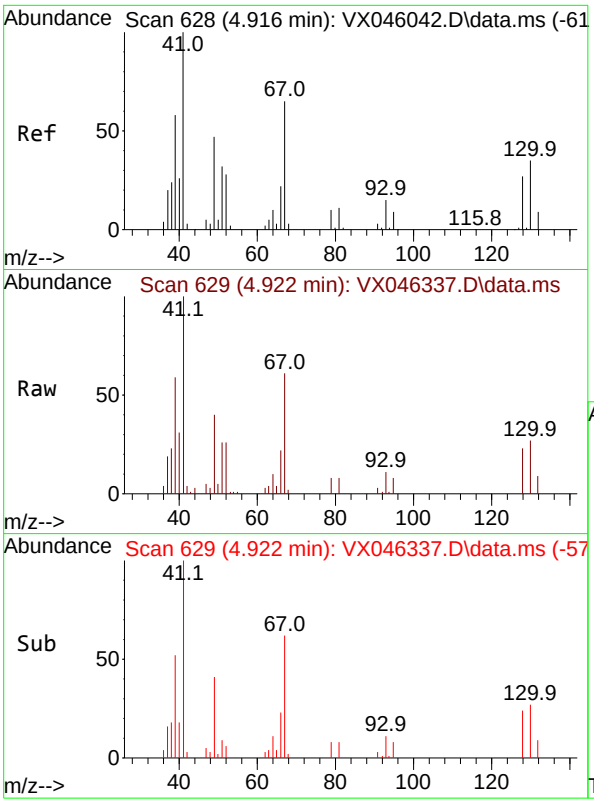




#40
Benzene
Concen: 20.439 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 78 Resp: 90373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.7 | 19.0 | 28.4 |



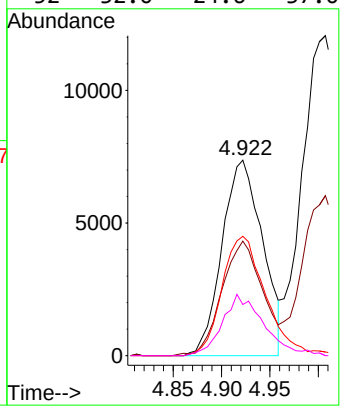


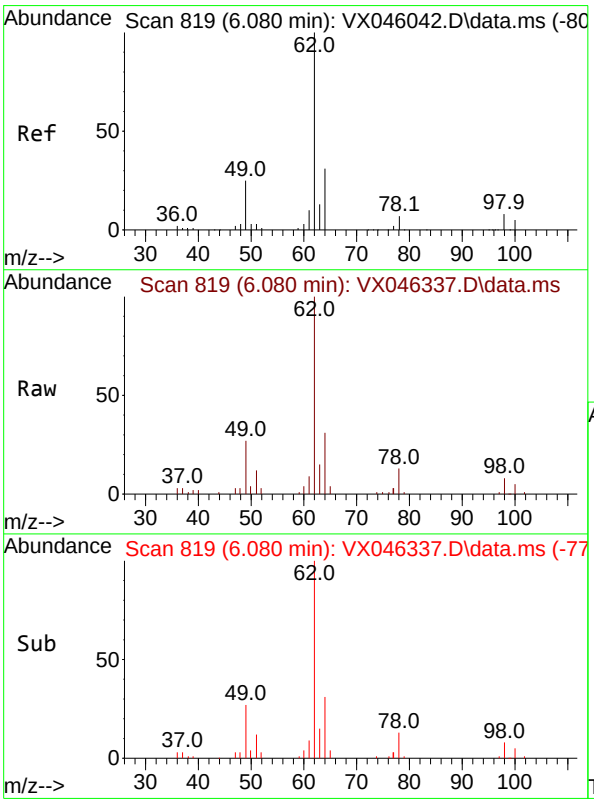

#41
Methacrylonitrile
Concen: 22.034 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 41 Resp: 21497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.5 | 47.2 | 70.8 |
| 67 | 65.9 | 50.7 | 76.1 |
| 52 | 32.0 | 24.6 | 37.0 |

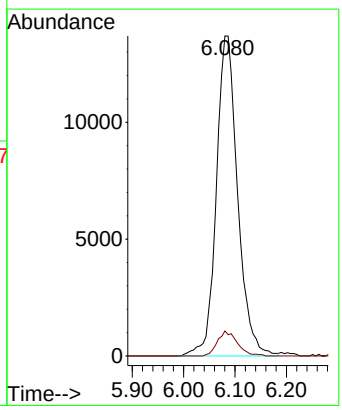


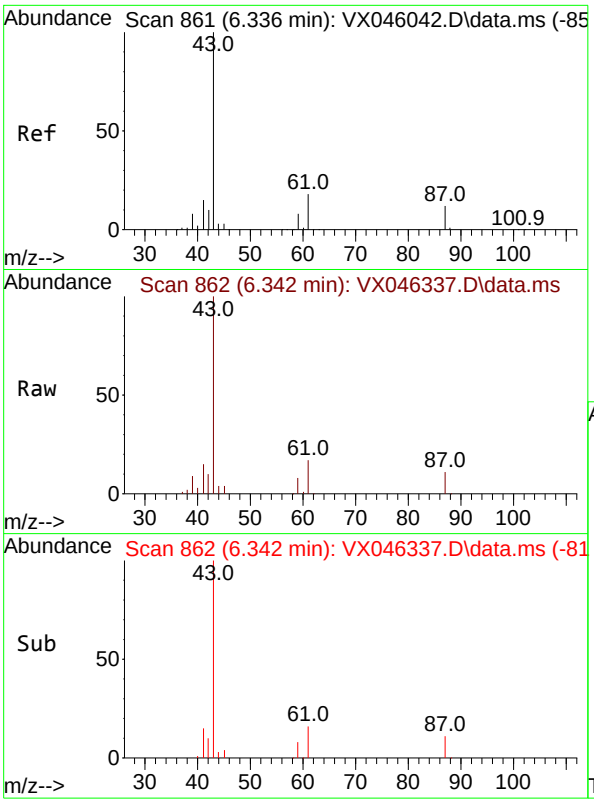




#42
1,2-Dichloroethane
Concen: 20.654 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 62 Resp: 39414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.3 | 0.0 | 15.2 |



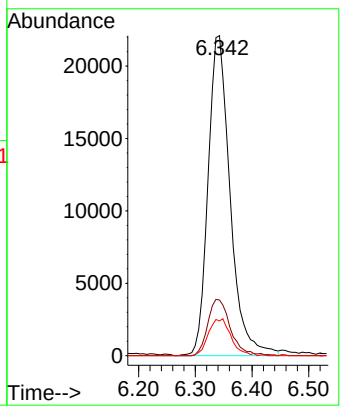


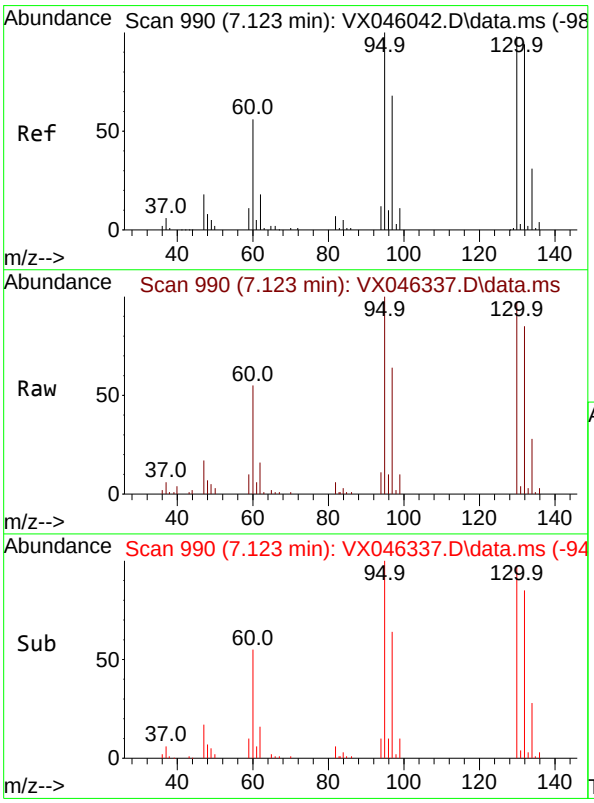

#43
Isopropyl Acetate
Concen: 21.036 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 43 Resp: 59852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 14.3 | 21.5 |
| 87 | 11.8 | 9.5 | 14.3 |

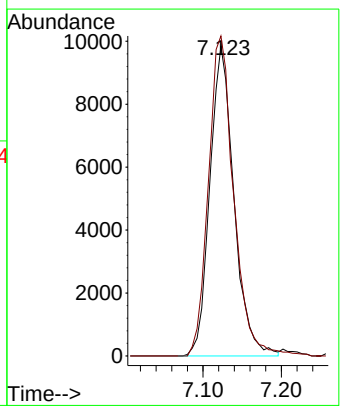


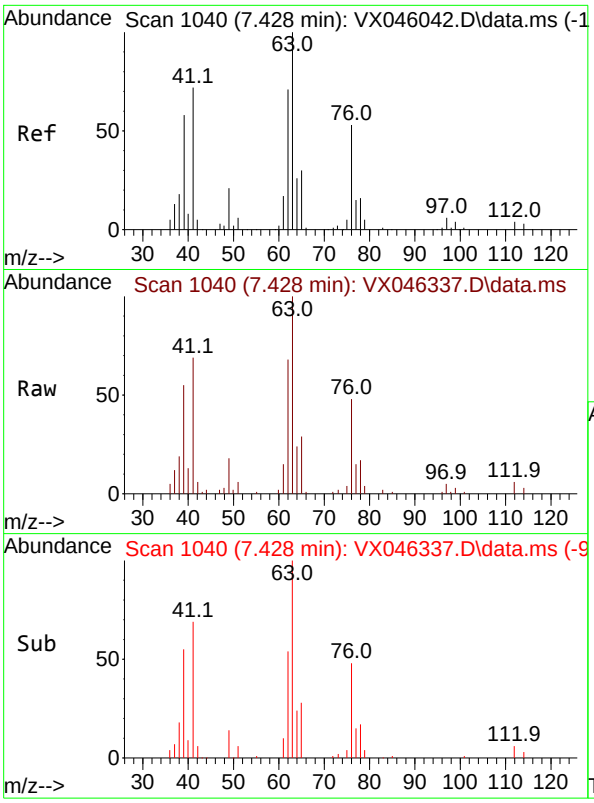




#44
Trichloroethene
Concen: 19.770 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:130 Resp: 21039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 103.2 | 0.0 | 204.2 |



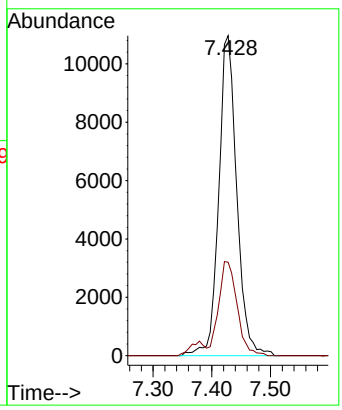


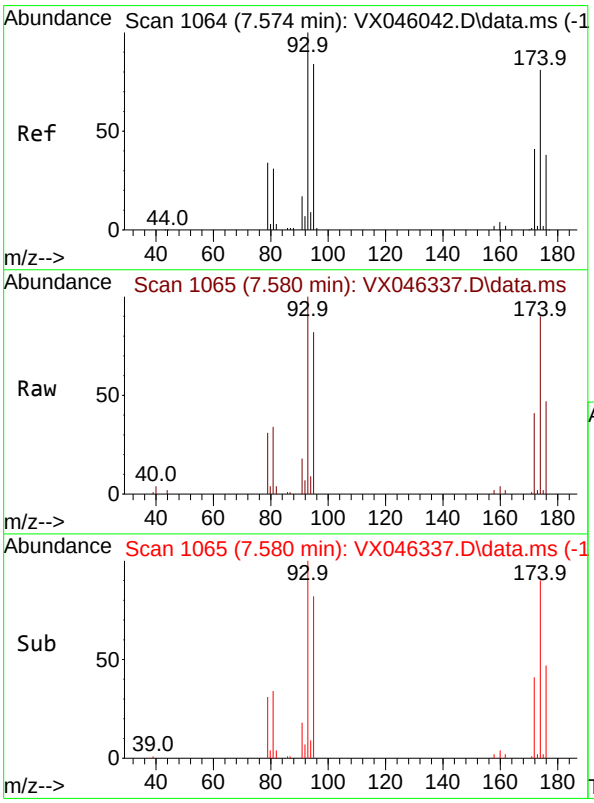

#45
1,2-Dichloropropane
Concen: 21.269 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 63 Resp: 23384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.2 | 24.1 | 36.1 |

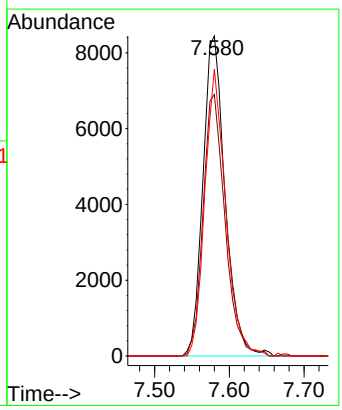


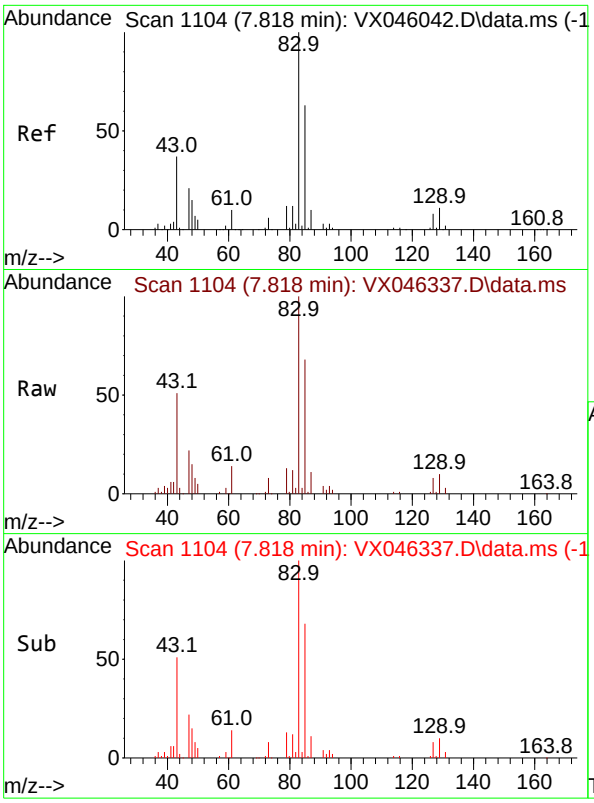




#46
Dibromomethane
Concen: 20.043 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 93 Resp: 17380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.3 | 65.6 | 98.4 |
| 174 | 84.6 | 68.2 | 102.2 |



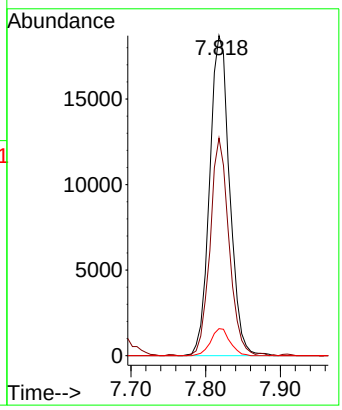


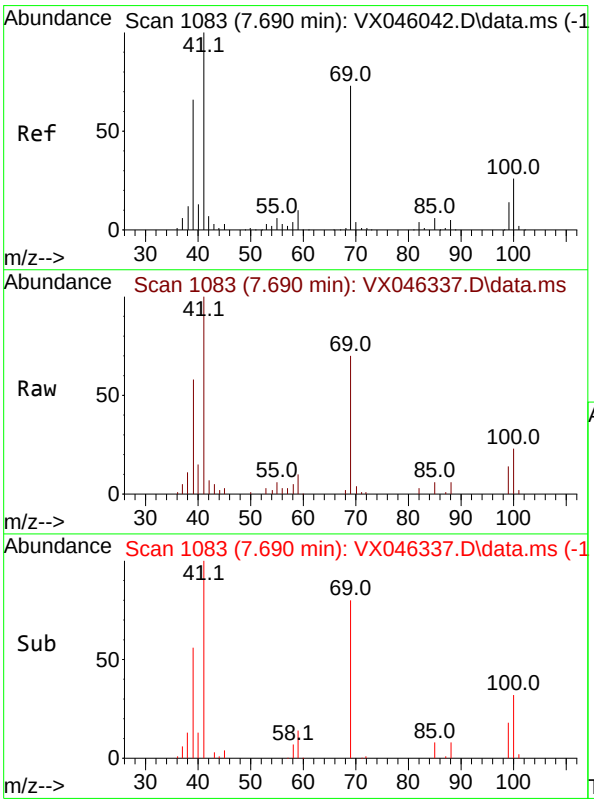

#47
Bromodichloromethane
Concen: 20.324 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 83 Resp: 34711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.0 | 50.5 | 75.7 |
| 127 | 8.5 | 6.5 | 9.7 |

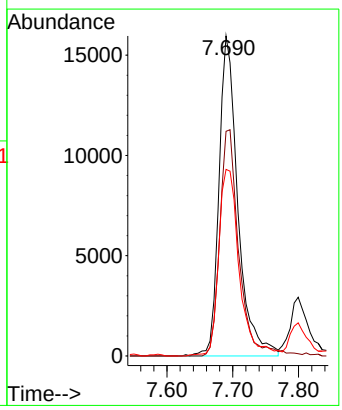


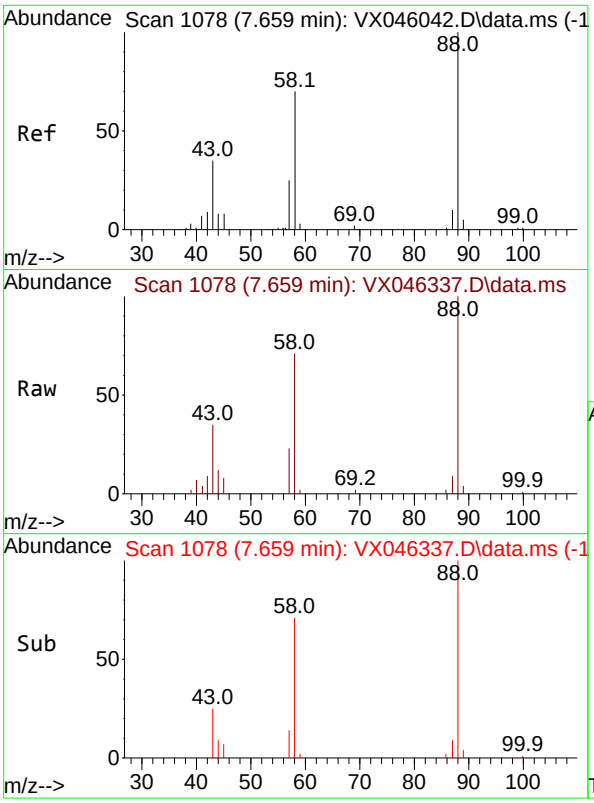




#48
Methyl methacrylate
Concen: 21.940 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 41 Resp: 31880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 71.7 | 58.5 | 87.7 |
| 39 | 63.9 | 51.7 | 77.5 |



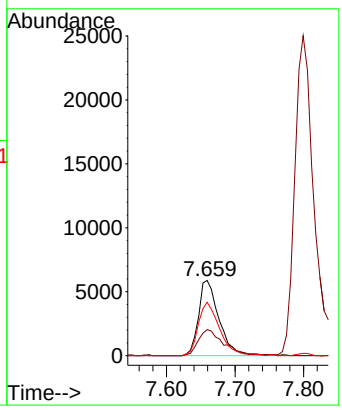


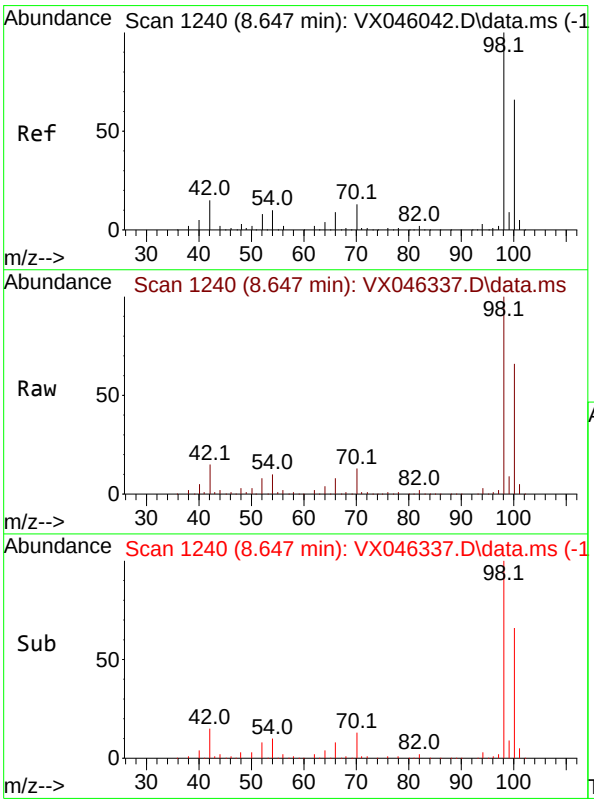

#49
1,4-Dioxane
Concen: 443.135 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 88 Resp: 12226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.0 | 33.4 | 50.2 |
| 58 | 73.8 | 58.6 | 88.0 |

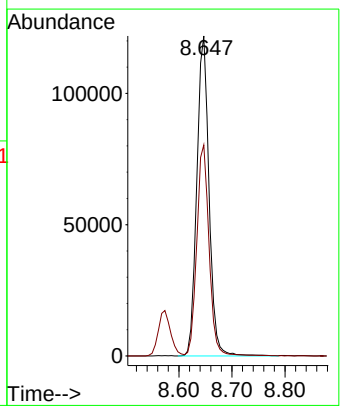


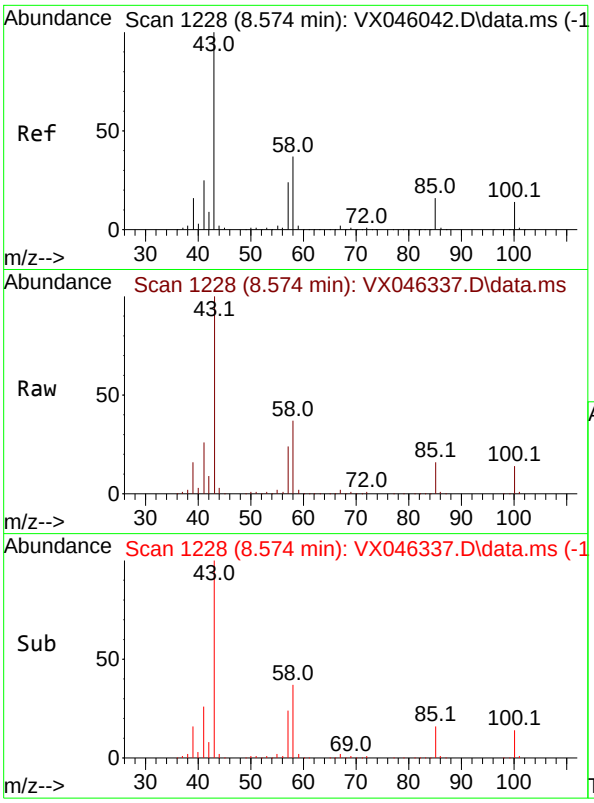




#50
Toluene-d8
Concen: 50.259 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 98 Resp: 195435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.4 | 53.5 | 80.3 |



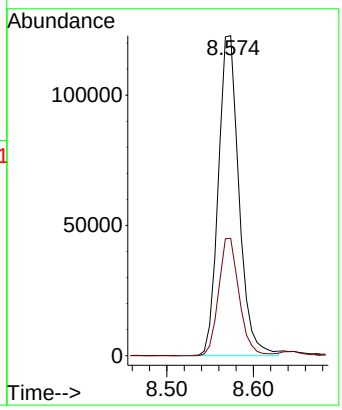


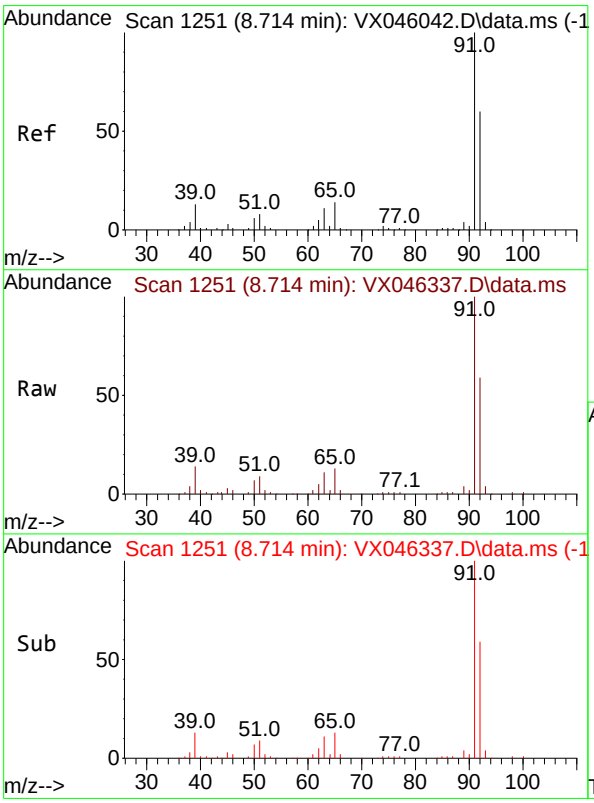

#51
4-Methyl-2-Pentanone
Concen: 107.703 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 43 Resp: 203409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.4 | 28.9 | 43.3 |

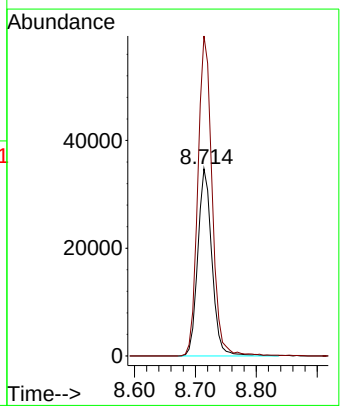


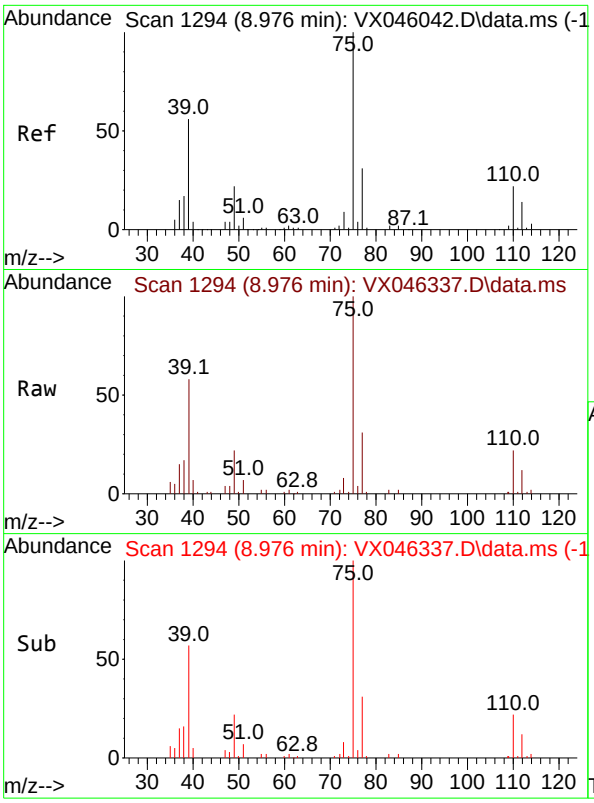




#52
Toluene
Concen: 20.664 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 92 Resp: 56025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.1 | 136.6 | 205.0 |



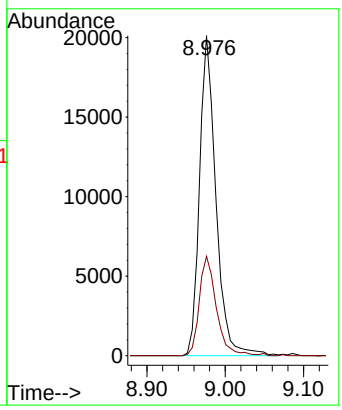


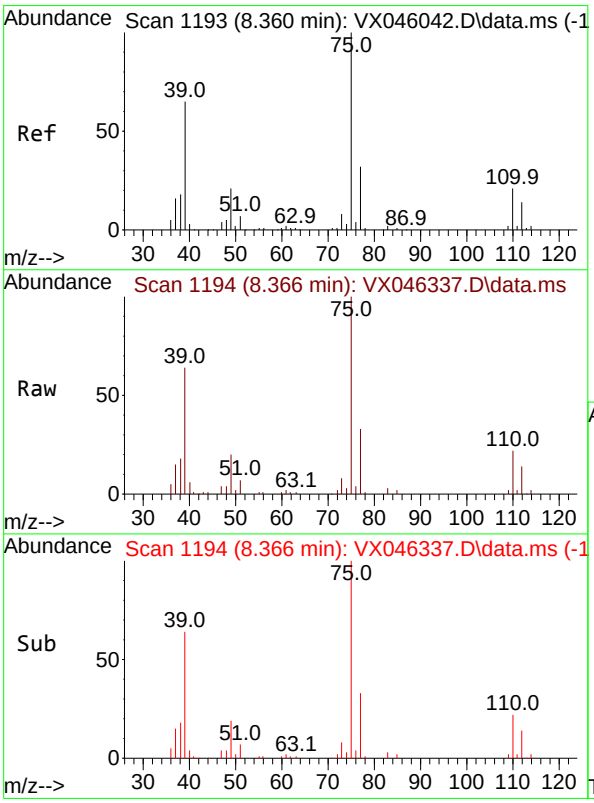

#53
t-1,3-Dichloropropene
Concen: 19.250 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 75 Resp: 29223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.0 | 25.0 | 37.6 |

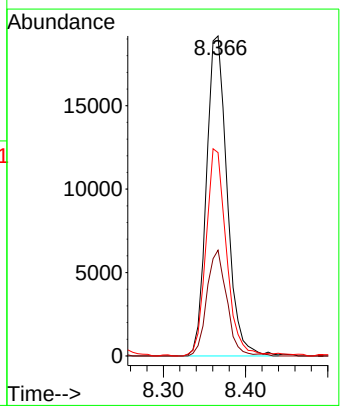


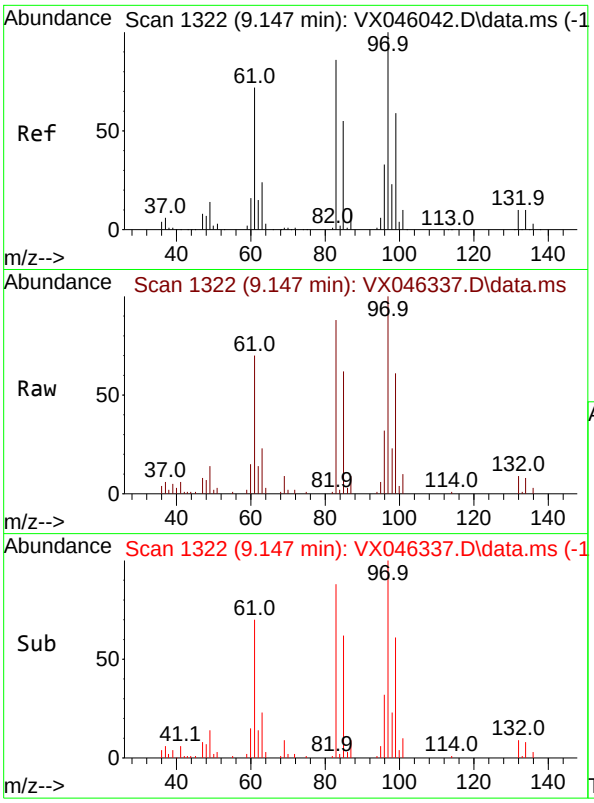




#54
cis-1,3-Dichloropropene
Concen: 19.964 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 75 Resp: 33496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.0 | 25.4 | 38.0 |
| 39 | 63.5 | 52.2 | 78.4 |



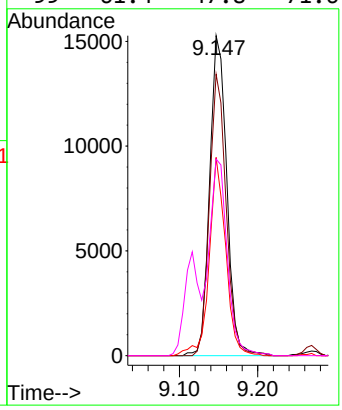


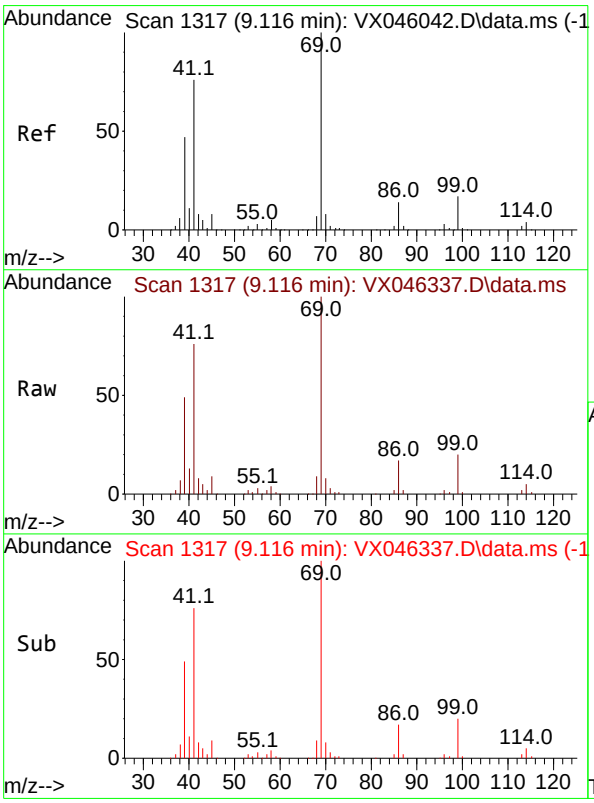

#55
1,1,2-Trichloroethane
Concen: 21.669 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 97 Resp: 23165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.0 | 69.0 | 103.6 |
| 85 | 62.0 | 44.3 | 66.5 |
| 99 | 61.4 | 47.8 | 71.6 |

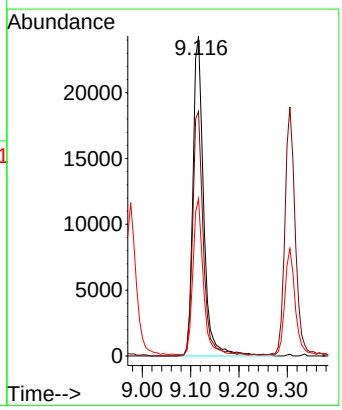


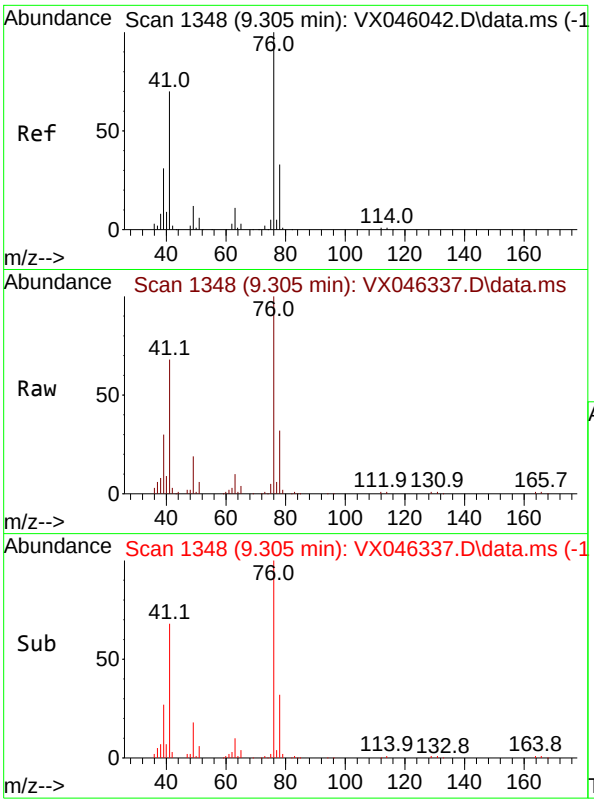




#56
Ethyl methacrylate
Concen: 21.892 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 69 Resp: 37300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 77.0 | 60.8 | 91.2 |
| 39 | 47.8 | 39.0 | 58.6 |



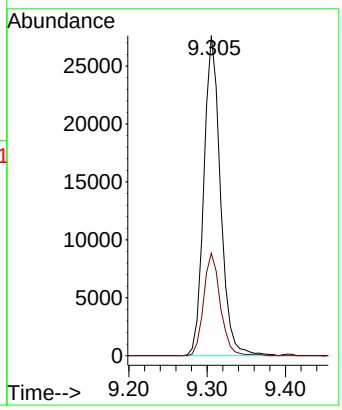


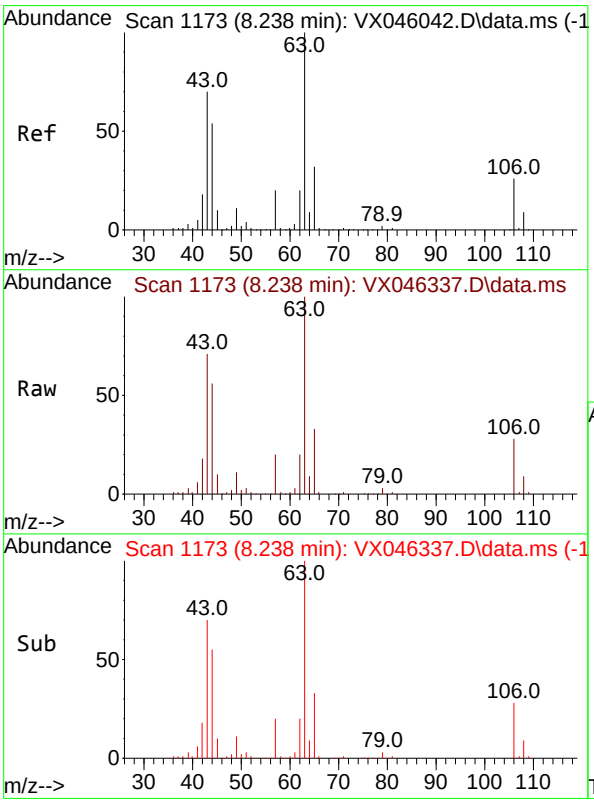

#57
1,3-Dichloropropane
Concen: 21.164 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 76 Resp: 40634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.3 | 39.5 |

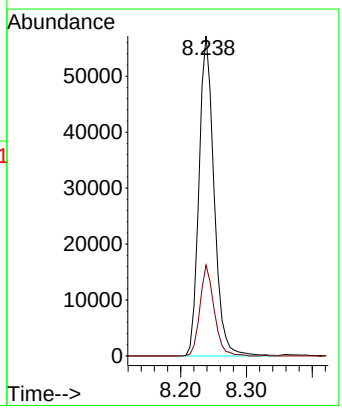


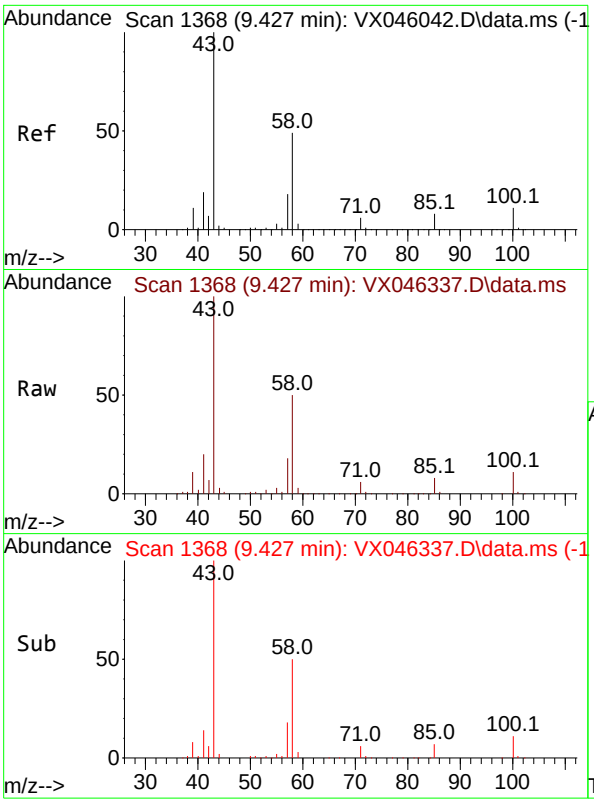




#58
2-Chloroethyl Vinyl ether
Concen: 105.020 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 63 Resp: 91224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.8 | 21.5 | 32.3 |



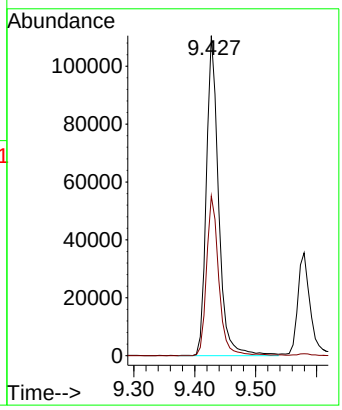


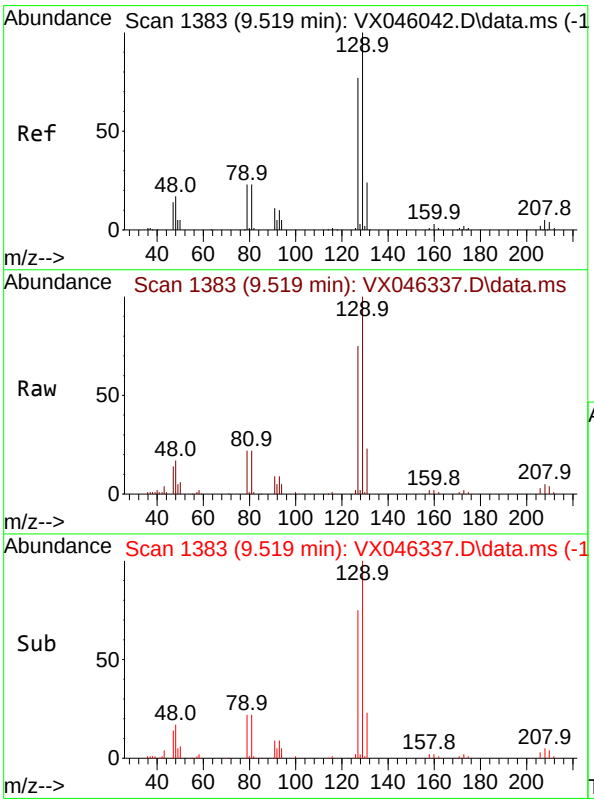

#59
2-Hexanone
Concen: 110.651 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 43 Resp: 154608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.1 | 24.9 | 74.6 |

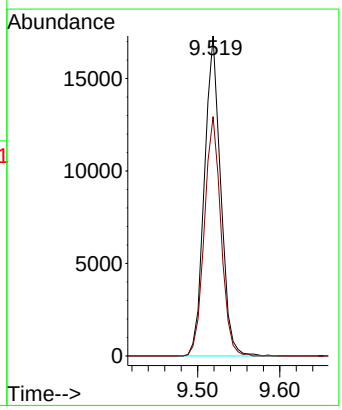


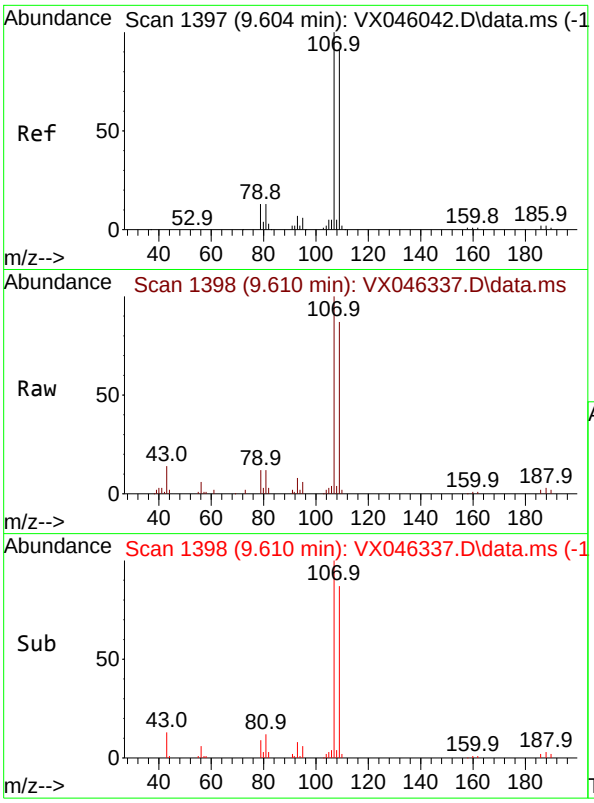




#60
Dibromochloromethane
Concen: 20.267 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:129 Resp: 23795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.0 | 39.3 | 117.8 |



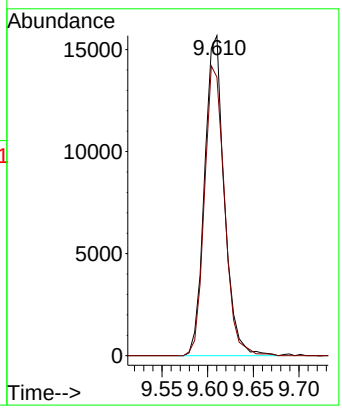


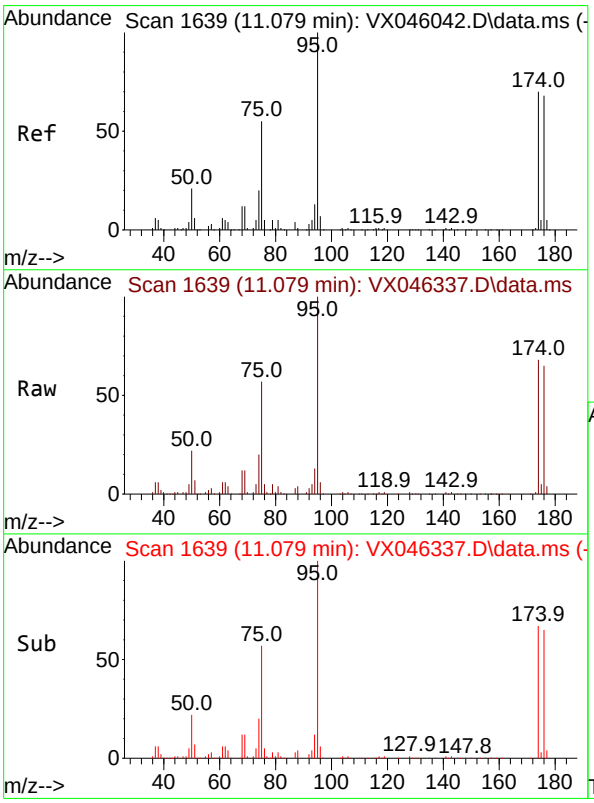

#61
1,2-Dibromoethane
Concen: 21.090 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:107 Resp: 23433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.4 | 73.3 | 109.9 |

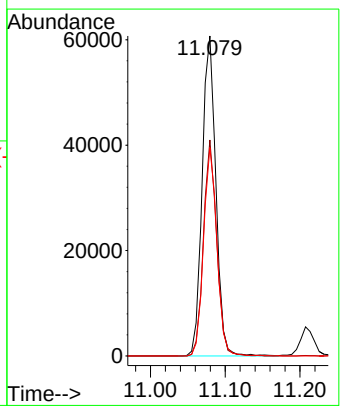


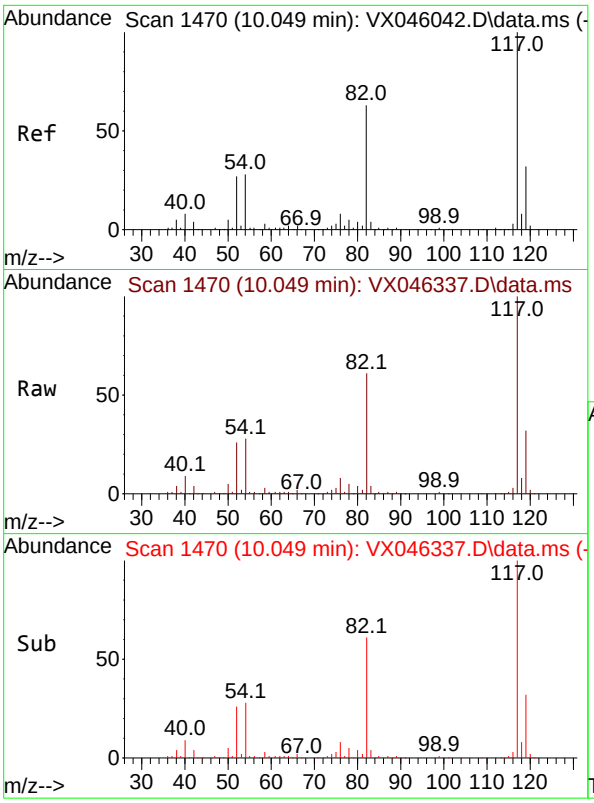




#62
4-Bromofluorobenzene
Concen: 51.761 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 95 Resp: 77206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 65.2 | 0.0 | 135.8 |
| 176 | 63.8 | 0.0 | 131.4 |



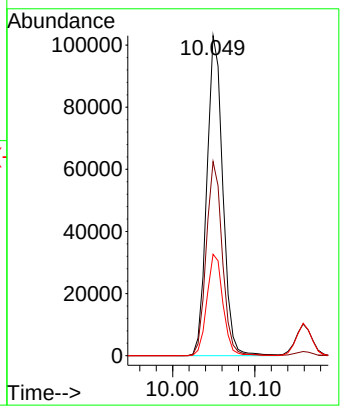


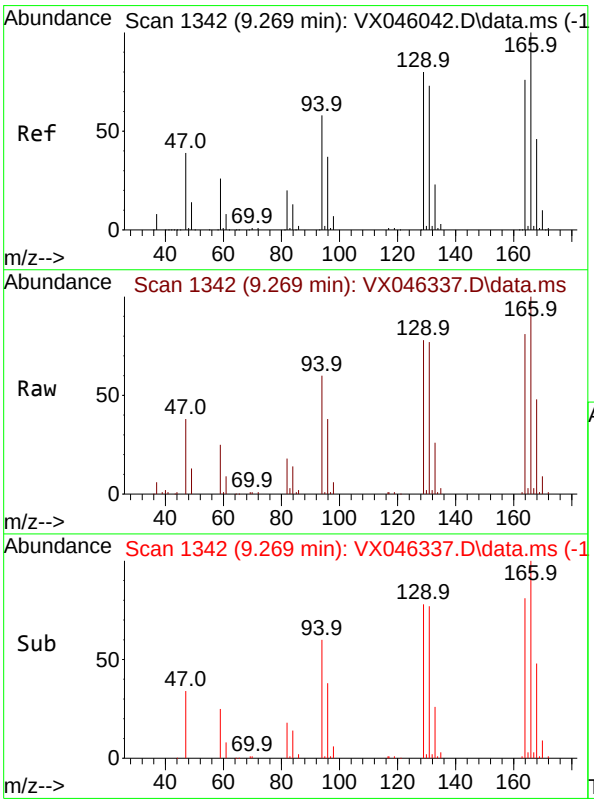

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:117 Resp: 138561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.6 | 50.6 | 76.0 |
| 119 | 31.7 | 25.8 | 38.6 |

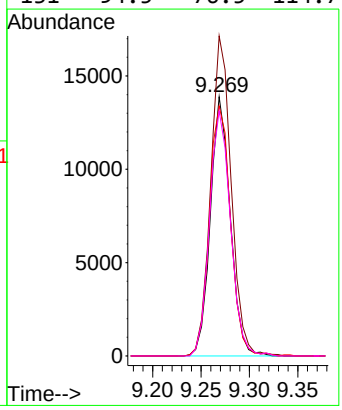


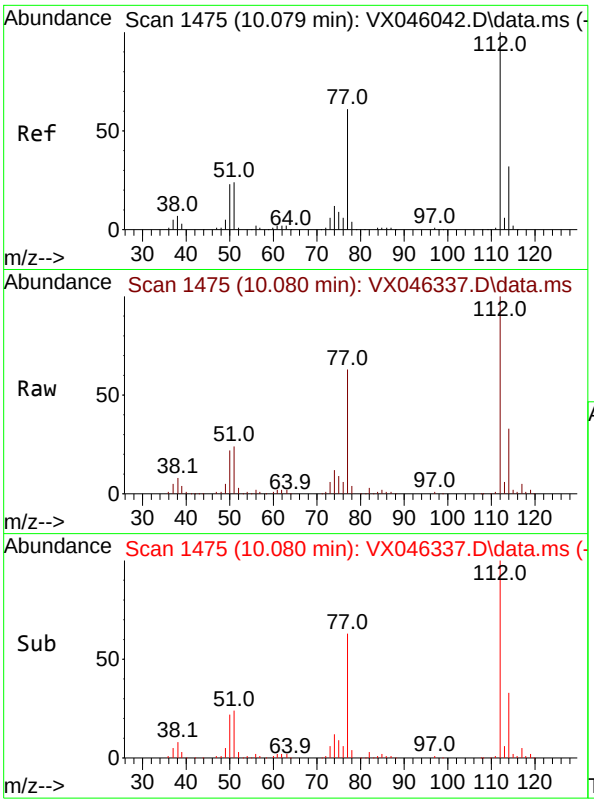




#64
Tetrachloroethene
Concen: 20.184 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:164 Resp: 19788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.5 | 105.0 | 157.6 |
| 129 | 96.4 | 83.5 | 125.3 |
| 131 | 94.5 | 76.5 | 114.7 |



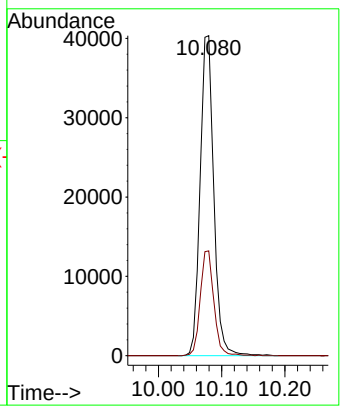


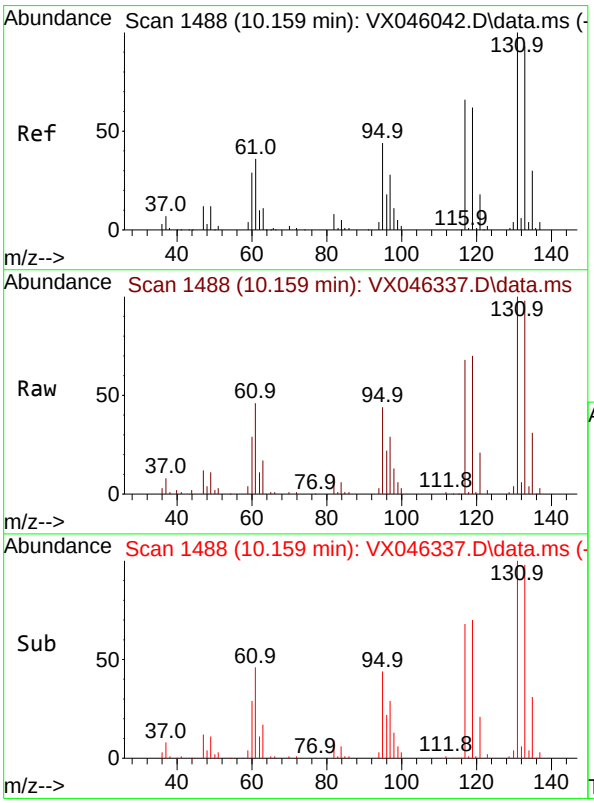

#65
Chlorobenzene
Concen: 20.002 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:112 Resp: 60662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.8 | 25.4 | 38.2 |

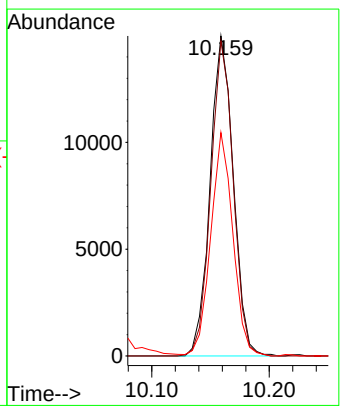


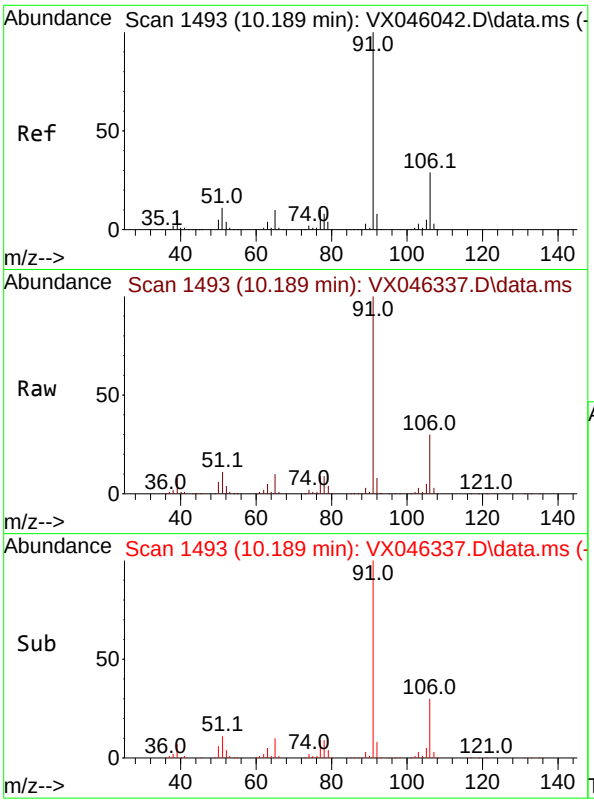




#66
1,1,1,2-Tetrachloroethane
Concen: 19.892 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:131 Resp: 20600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.0 | 47.3 | 141.9 |
| 119 | 66.4 | 31.6 | 95.0 |



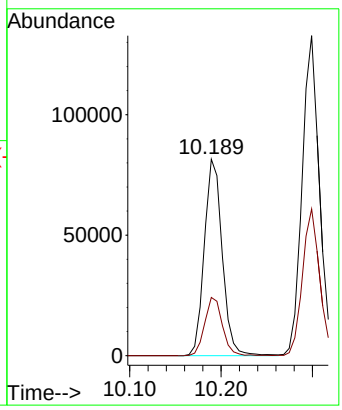


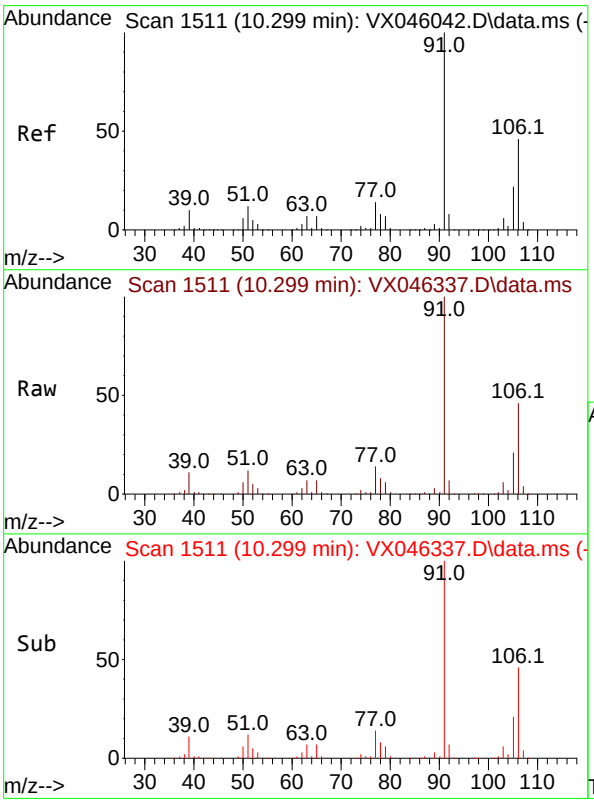

#67
Ethyl Benzene
Concen: 20.709 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 91 Resp: 110710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.6 | 23.4 | 35.2 |

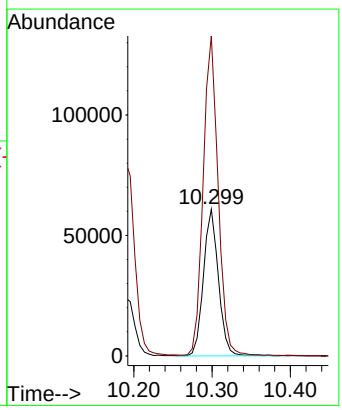


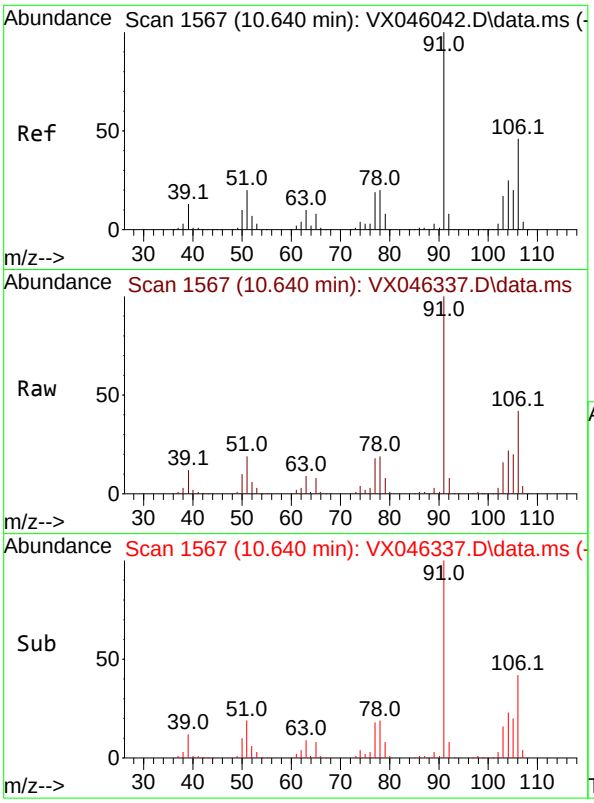




#68
m/p-Xylenes
Concen: 41.069 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:106 Resp: 80300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.4 | 171.2 | 256.8 |



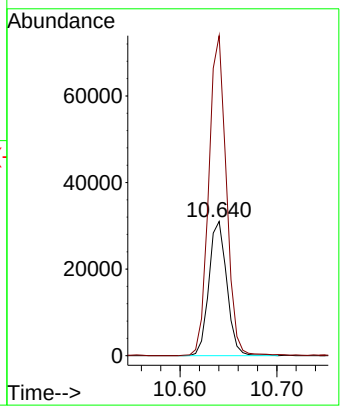


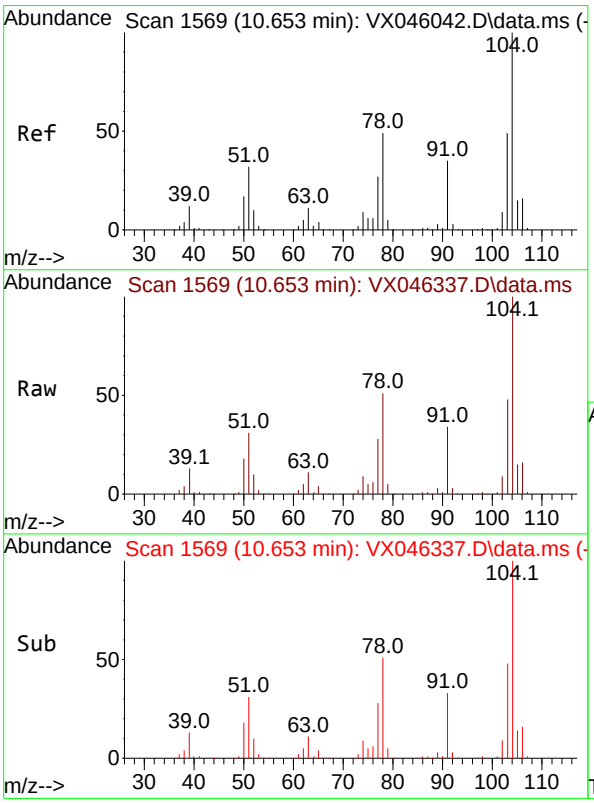

#69
o-Xylene
Concen: 20.990 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:106 Resp: 40011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 234.4 | 112.7 | 338.1 |

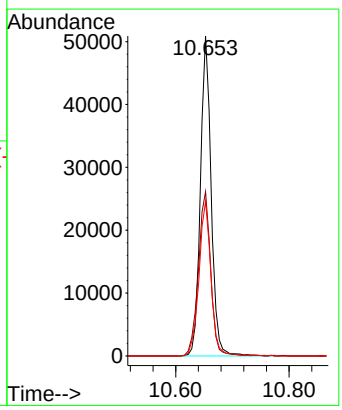


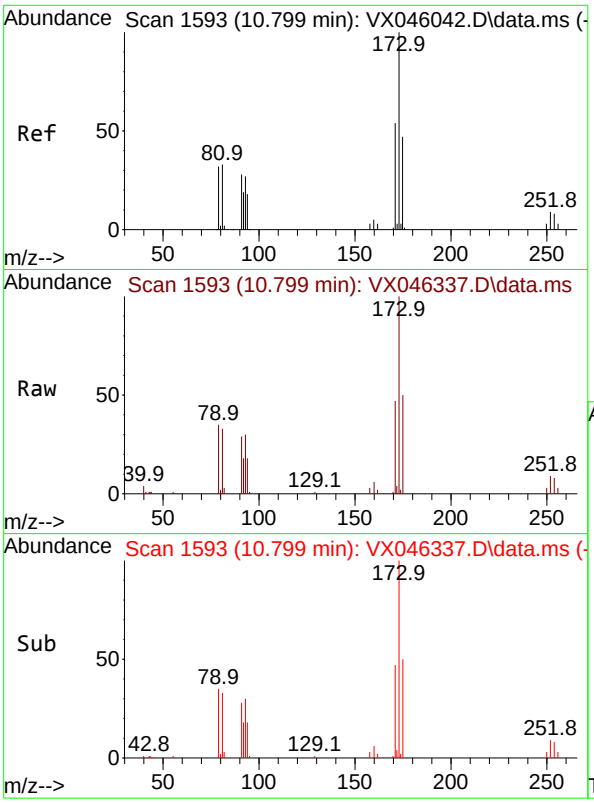




#70
Styrene
Concen: 21.468 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:104 Resp: 67035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 58.9 | 45.7 | 68.5 |
| 103 | 53.9 | 43.7 | 65.5 |



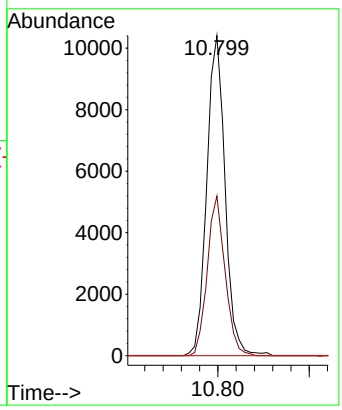


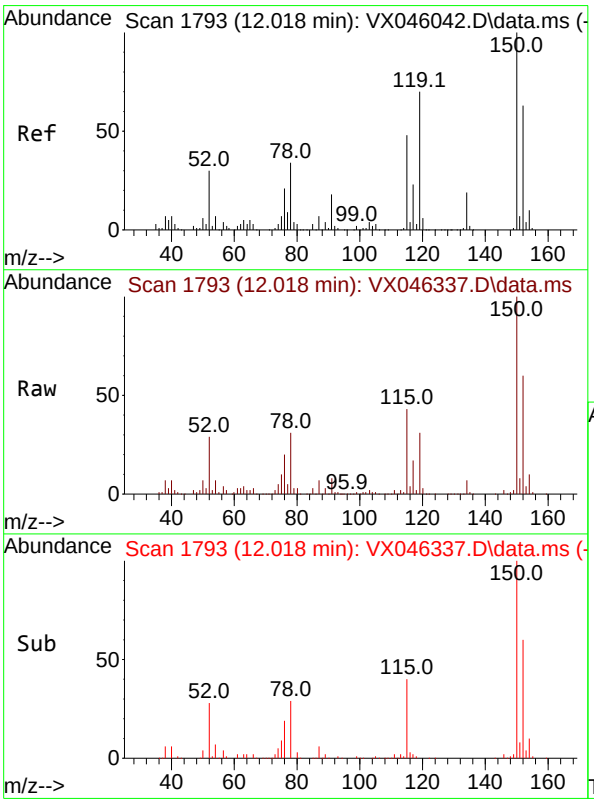

#71
Bromoform
Concen: 18.508 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:173 Resp: 14390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |

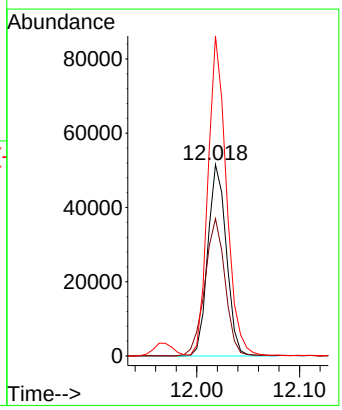


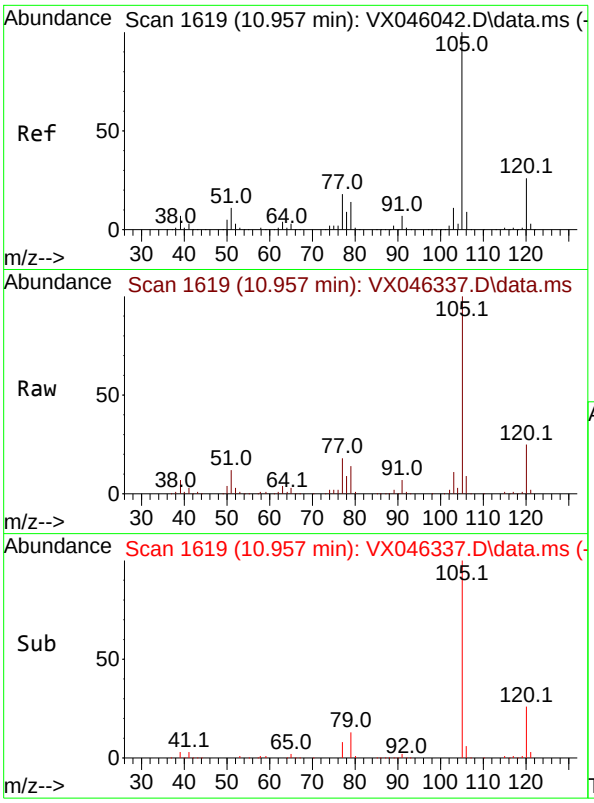




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:152 Resp: 64515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 78.7 | 46.9 | 140.7 |
| 150 | 165.9 | 0.0 | 351.0 |



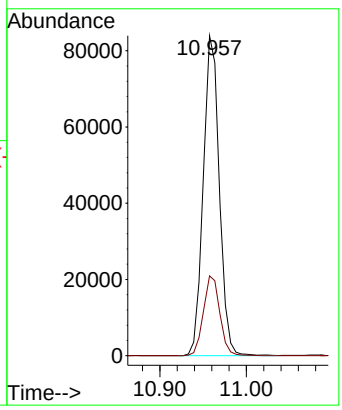


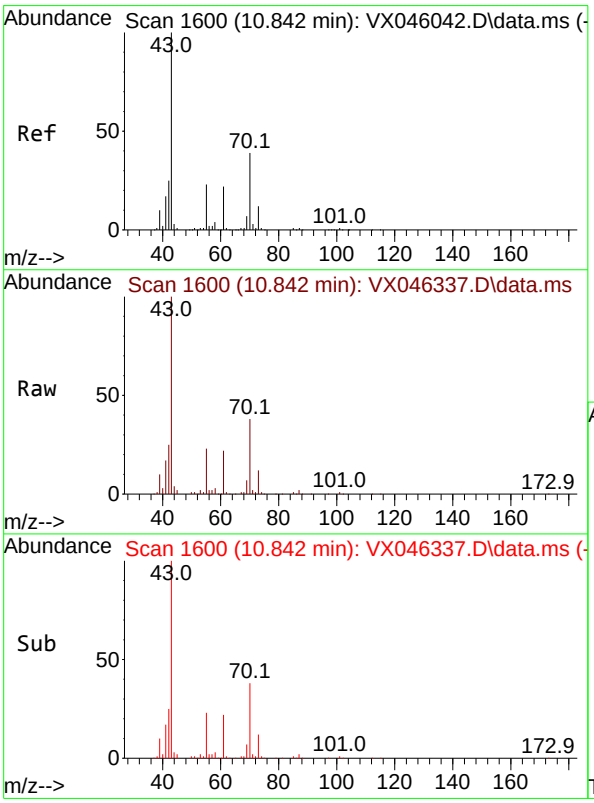

#73
Isopropylbenzene
Concen: 21.506 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:105 Resp: 108018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.5 | 12.8 | 38.4 |

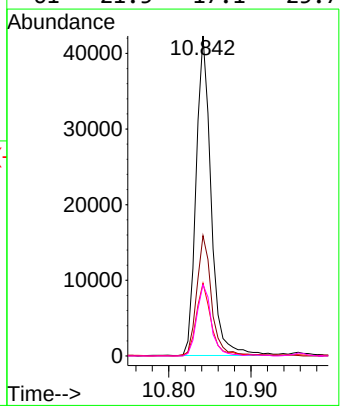


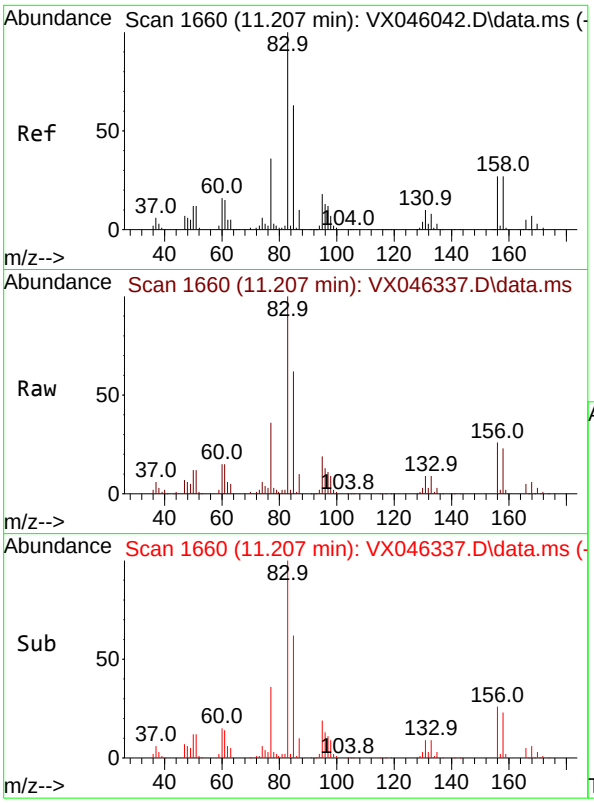




#74
N-amyl acetate
Concen: 21.617 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 43 Resp: 53653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 37.3 | 30.9 | 46.3 |
| 55 | 23.1 | 18.7 | 28.1 |
| 61 | 21.5 | 17.1 | 25.7 |



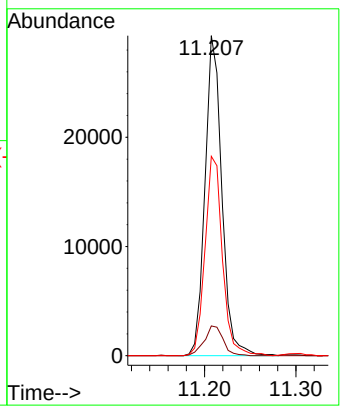


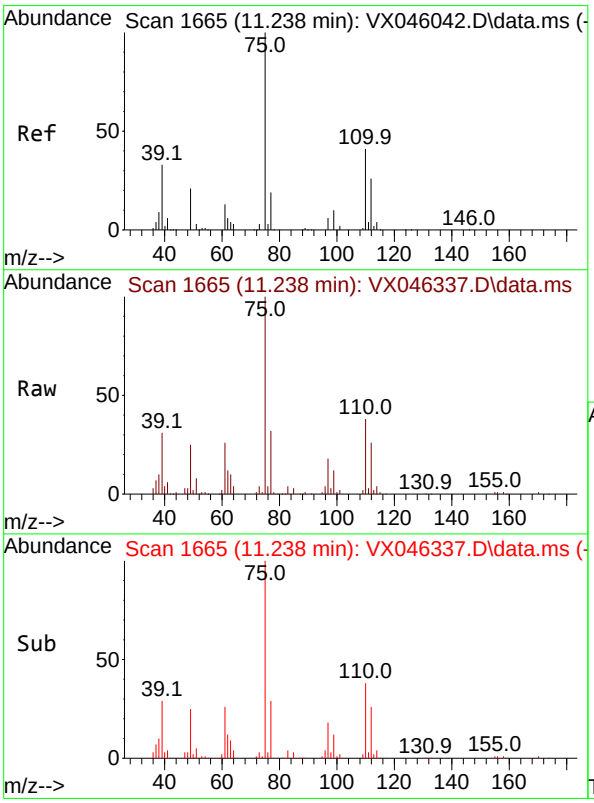

#75
1,1,2,2-Tetrachloroethane
Concen: 21.221 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 83 Resp: 37352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 5.0 | 14.9 |
| 85 | 64.4 | 31.9 | 95.7 |

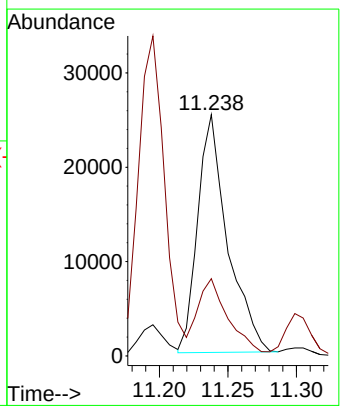


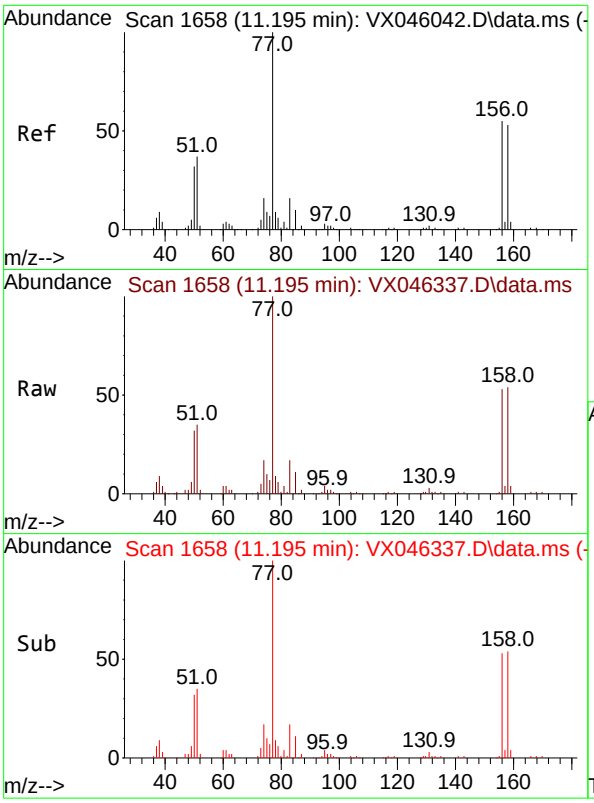




#76
1,2,3-Trichloropropane
Concen: 24.685 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 75 Resp: 38333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.6 | 20.5 | 61.5 |



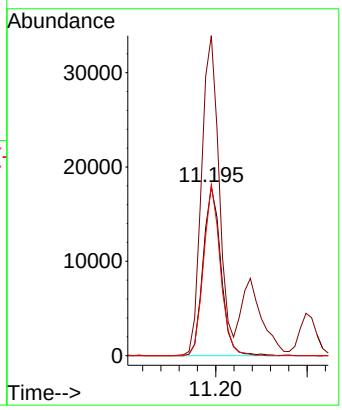


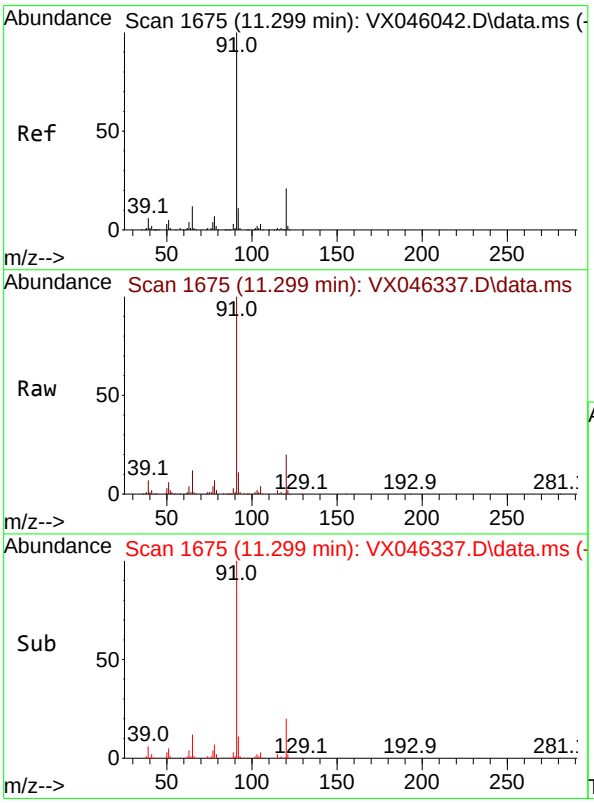

#77
Bromobenzene
Concen: 20.692 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:156 Resp: 24128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 187.9 | 92.8 | 278.3 |
| 158 | 95.9 | 48.8 | 146.3 |

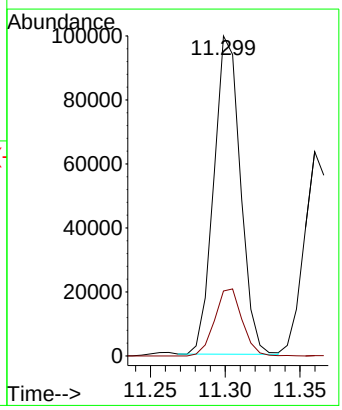


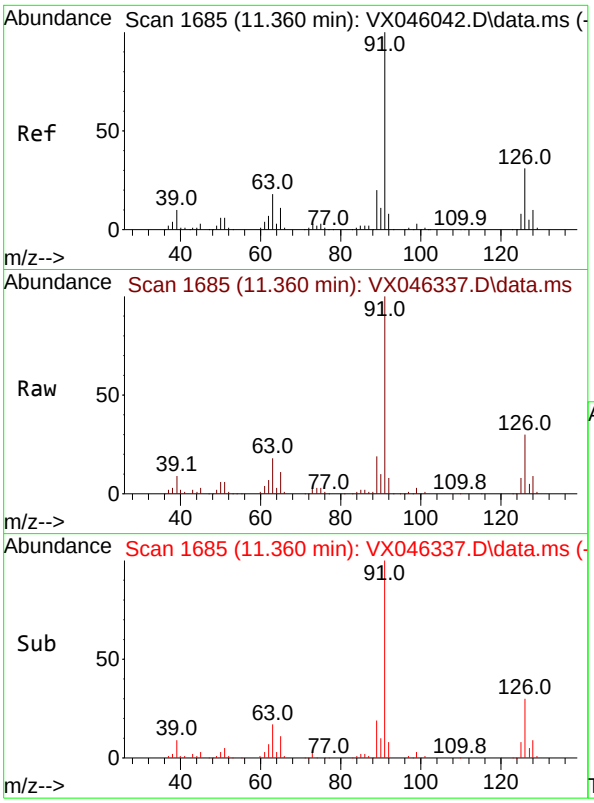




#78
n-propylbenzene
Concen: 21.050 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 91 Resp: 122931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.8 | 10.8 | 32.4 |



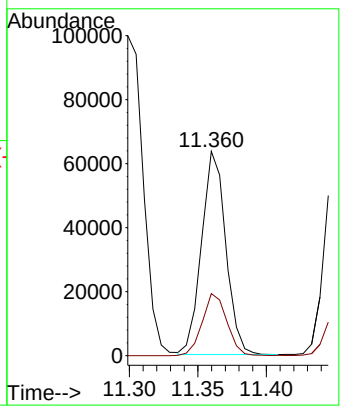


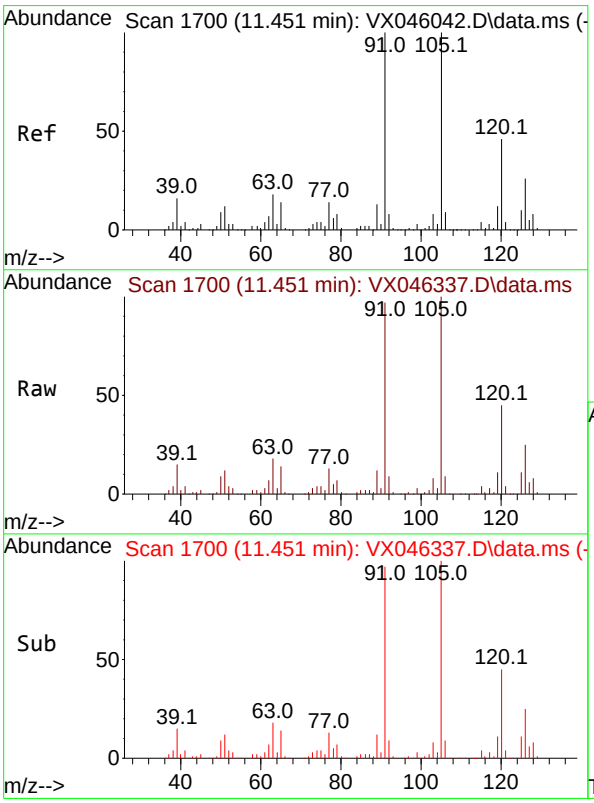

#79
2-Chlorotoluene
Concen: 20.765 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 91 Resp: 78220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.2 | 15.6 | 46.7 |

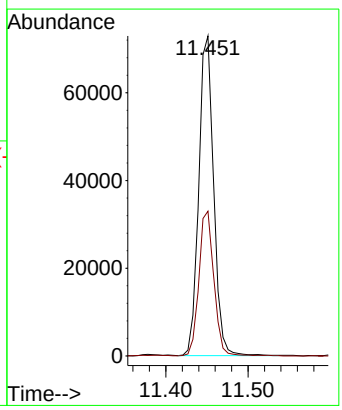


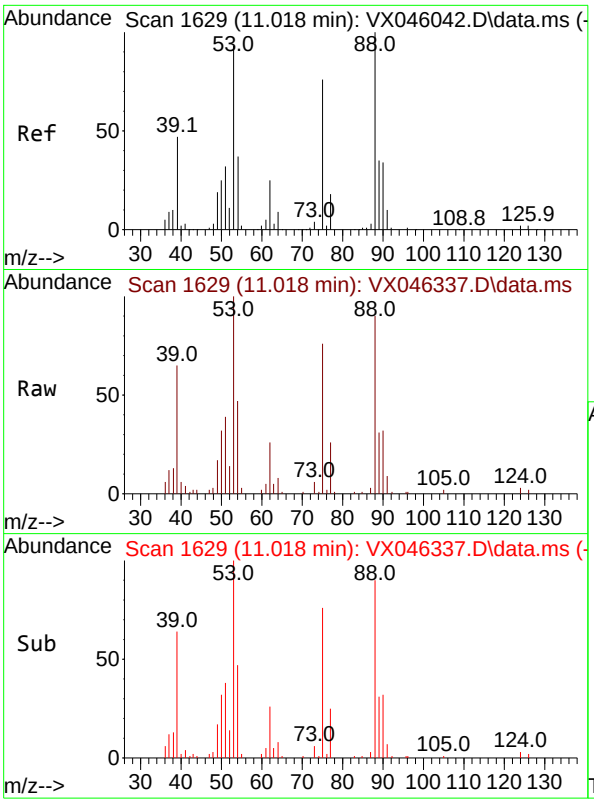




#80
1,3,5-Trimethylbenzene
Concen: 21.833 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:105 Resp: 91615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.8 | 23.1 | 69.2 |



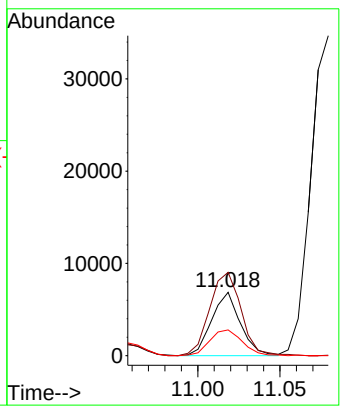


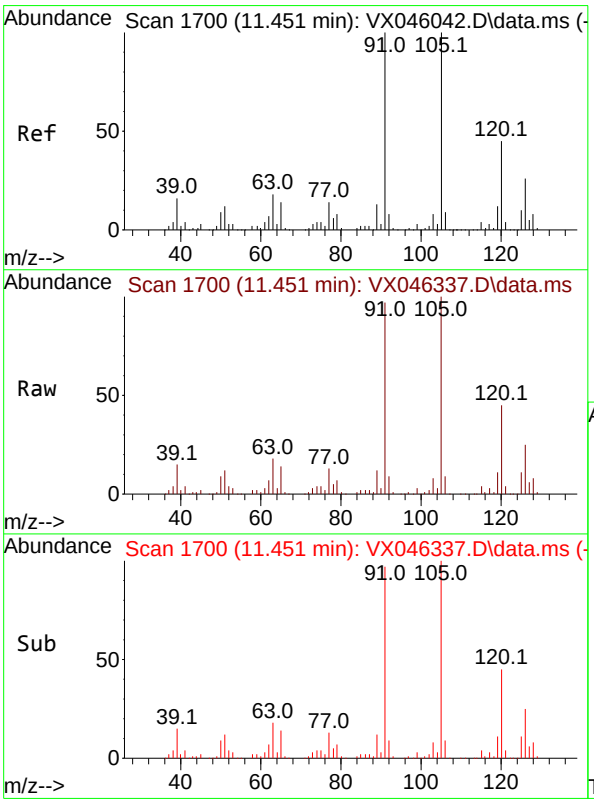

#81
trans-1,4-Dichloro-2-butene
Concen: 17.558 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 75 Resp: 8375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 143.5 | 100.5 | 150.7 |
| 89 | 46.4 | 37.0 | 55.6 |

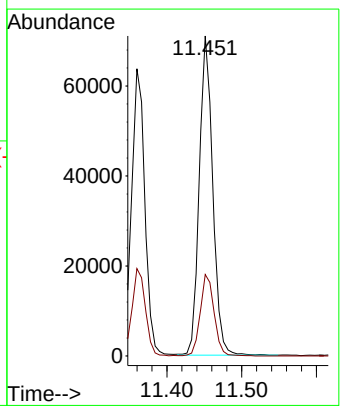


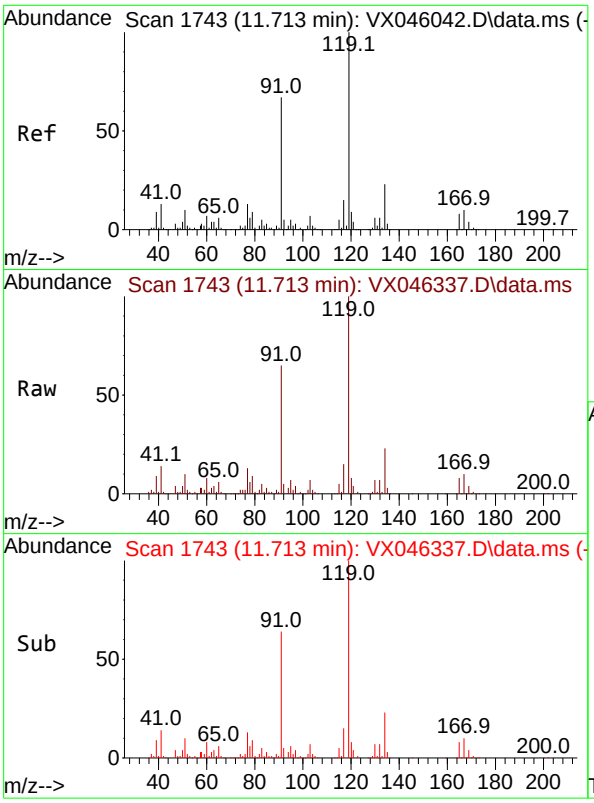




#82
4-Chlorotoluene
Concen: 21.268 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 91 Resp: 88845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.2 | 13.3 | 39.8 |



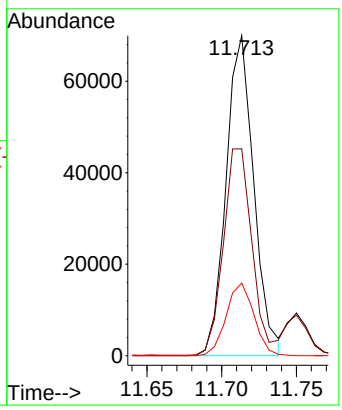


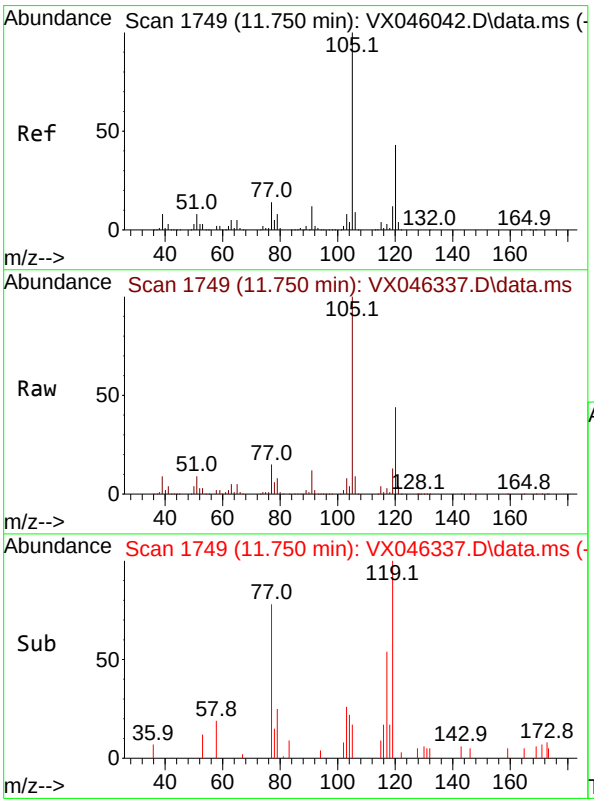

#83
tert-Butylbenzene
Concen: 21.367 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:119 Resp: 90311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.7 | 32.9 | 98.7 |
| 134 | 22.6 | 11.4 | 34.1 |

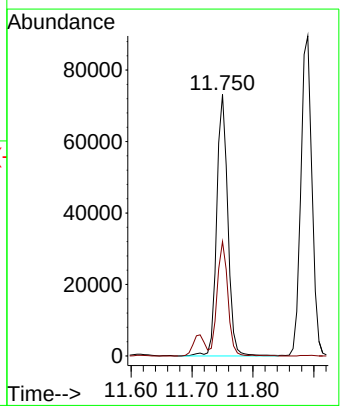


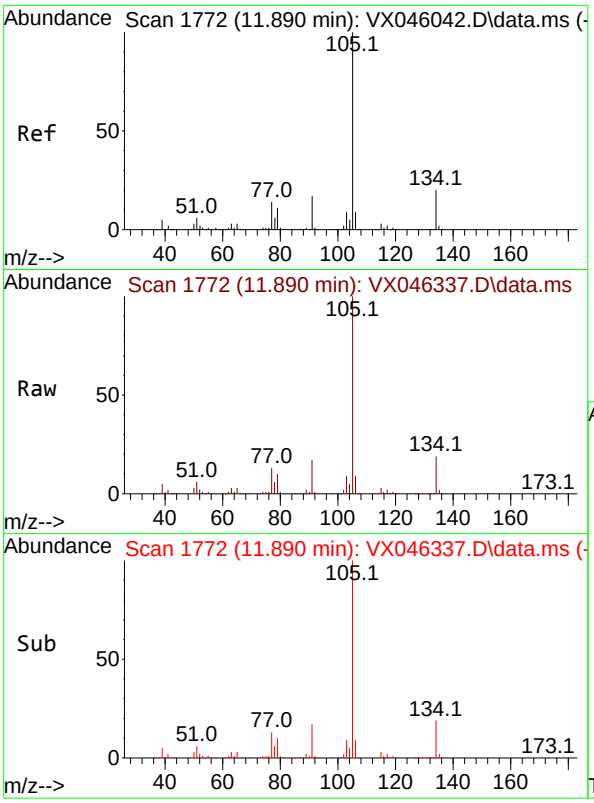




#84
1,2,4-Trimethylbenzene
Concen: 21.726 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:105 Resp: 92322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.0 | 21.2 | 63.6 |



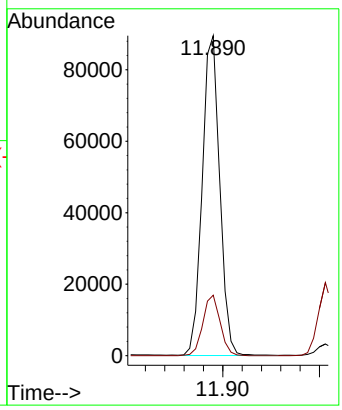


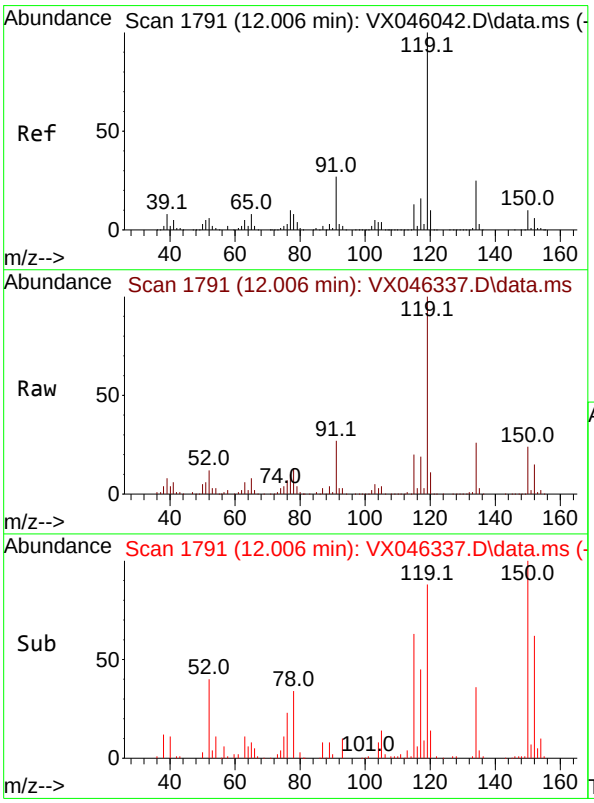

#85
sec-Butylbenzene
Concen: 21.734 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:105 Resp: 112789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.7 | 9.7 | 29.1 |

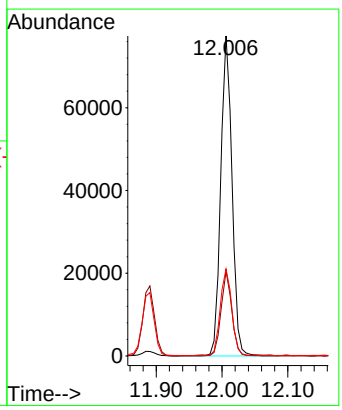


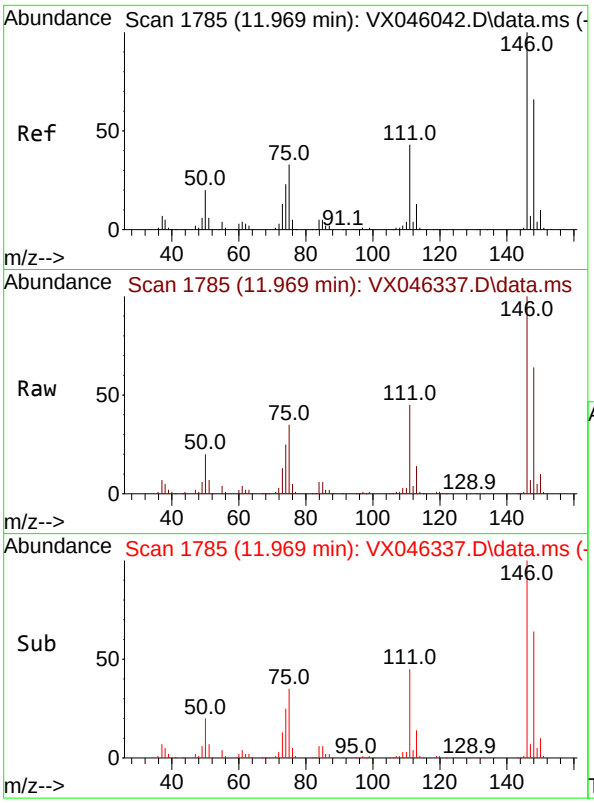




#86
p-Isopropyltoluene
Concen: 21.620 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:119 Resp: 92615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.1 | 12.5 | 37.5 |
| 91 | 27.4 | 13.8 | 41.4 |



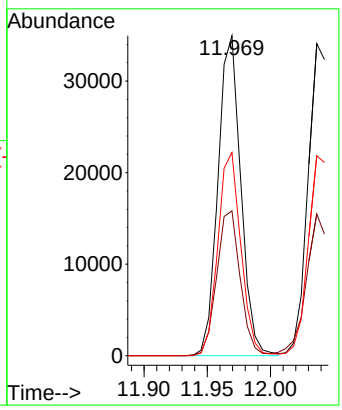


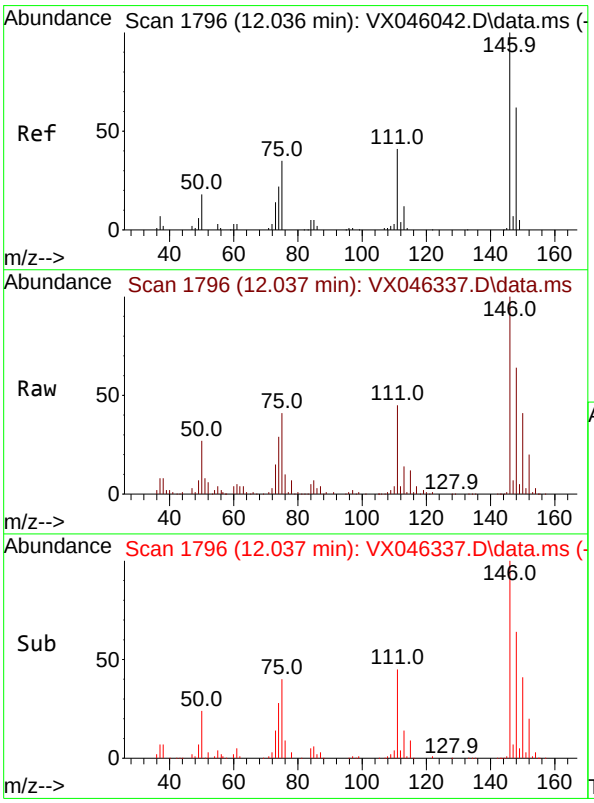

#87
1,3-Dichlorobenzene
Concen: 20.598 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:146 Resp: 43835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.7 | 22.1 | 66.3 |
| 148 | 63.9 | 32.1 | 96.5 |

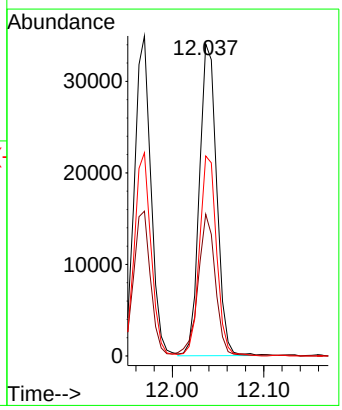


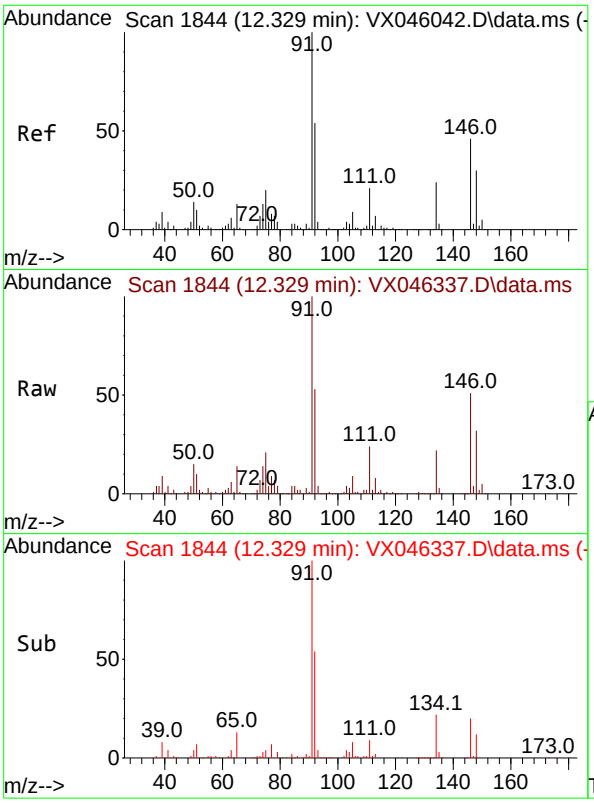




#88
1,4-Dichlorobenzene
Concen: 20.556 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:146 Resp: 44676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.9 | 21.3 | 63.9 |
| 148 | 63.6 | 31.9 | 95.5 |



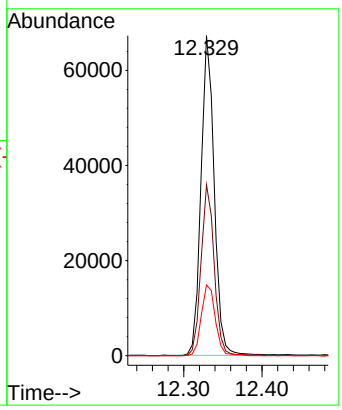


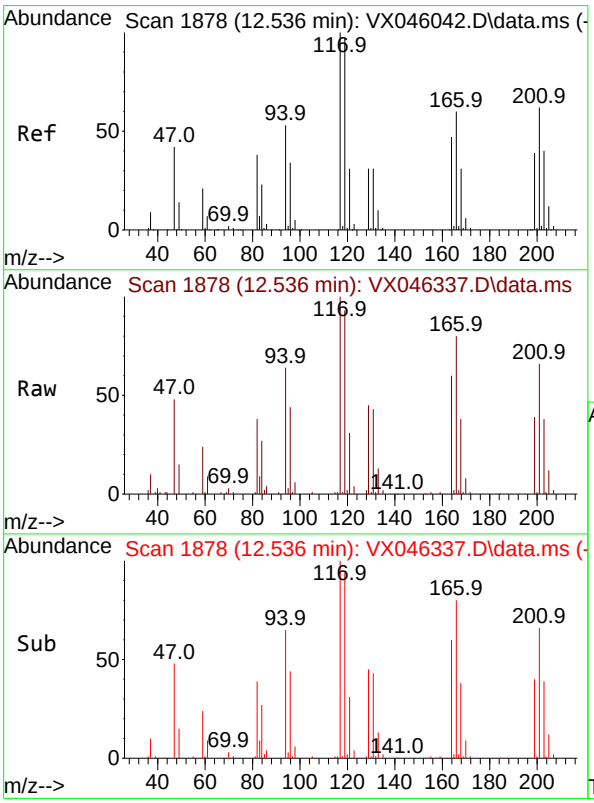

#89
n-Butylbenzene
Concen: 20.975 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion: 91 Resp: 78814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.5 | 26.9 | 80.7 |
| 134 | 23.4 | 11.8 | 35.3 |

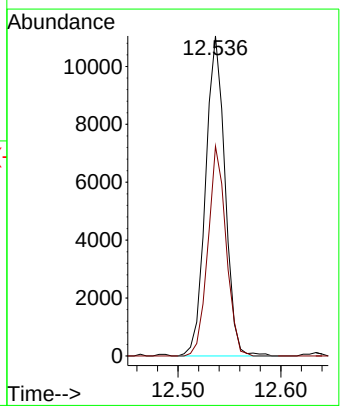


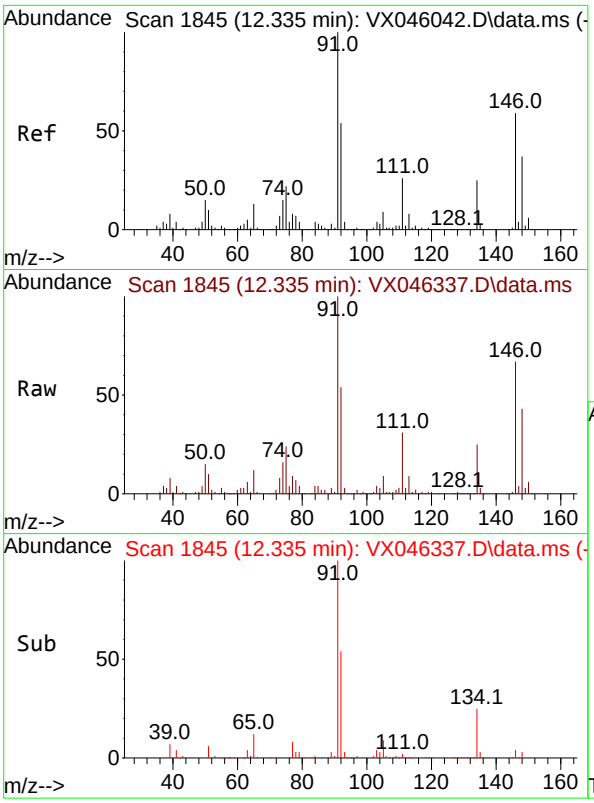




#90
Hexachloroethane
Concen: 19.179 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:117 Resp: 14474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 61.4 | 31.6 | 94.7 |



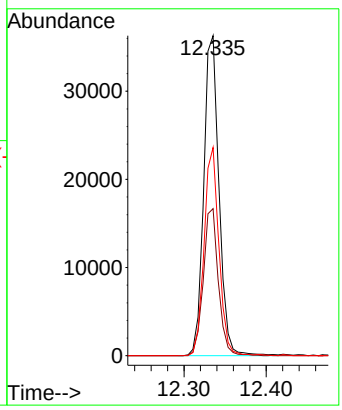


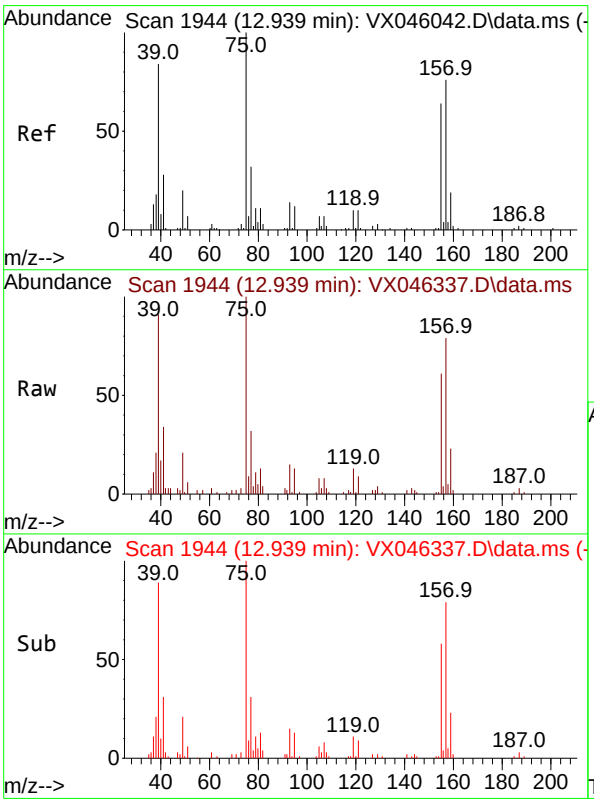

#91
1,2-Dichlorobenzene
Concen: 21.916 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:146 Resp: 46803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.4 | 22.4 | 67.3 |
| 148 | 63.0 | 31.6 | 94.8 |

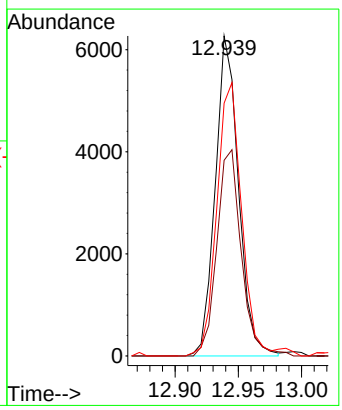


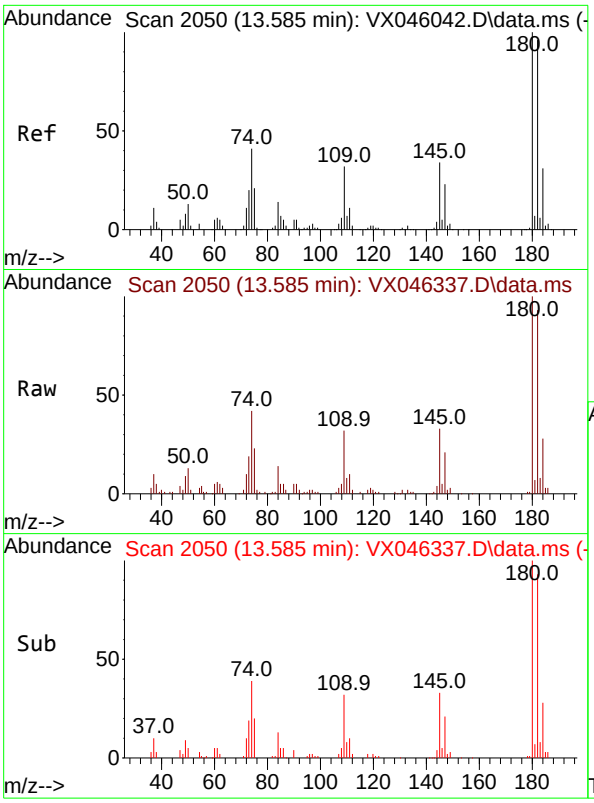




#92
1,2-Dibromo-3-Chloropropane
Concen: 20.524 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion: 75 Resp: 8003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 67.7 | 34.9 | 104.8 |
| 157 | 91.9 | 43.8 | 131.4 |



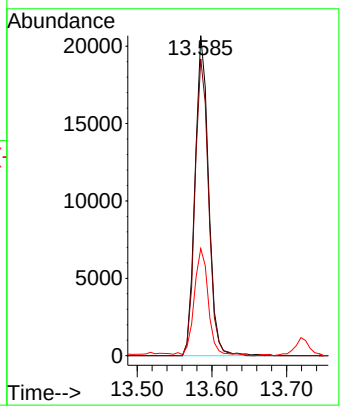


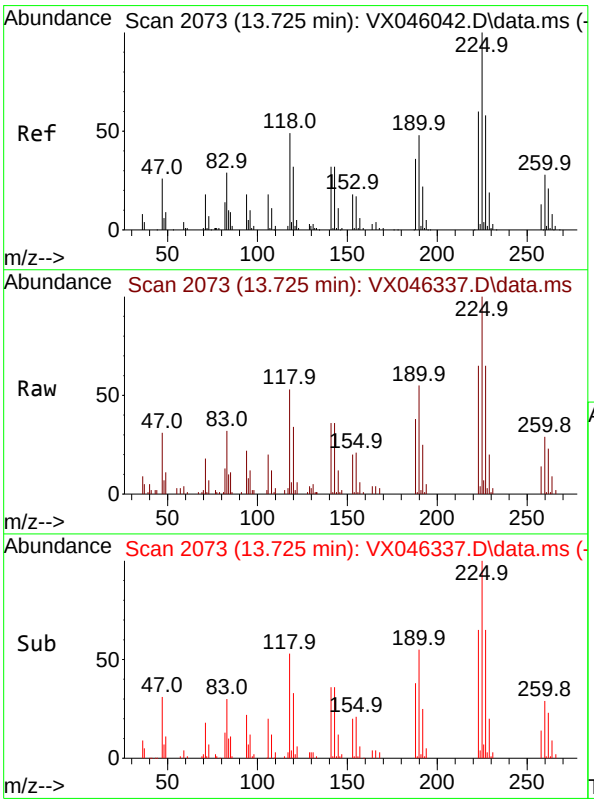

#93
1,2,4-Trichlorobenzene
Concen: 21.225 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:180 Resp: 26034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.1 | 47.9 | 143.8 |
| 145 | 35.1 | 17.1 | 51.2 |

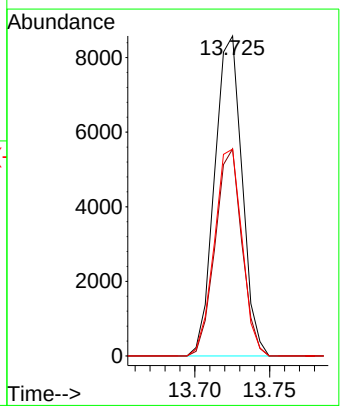


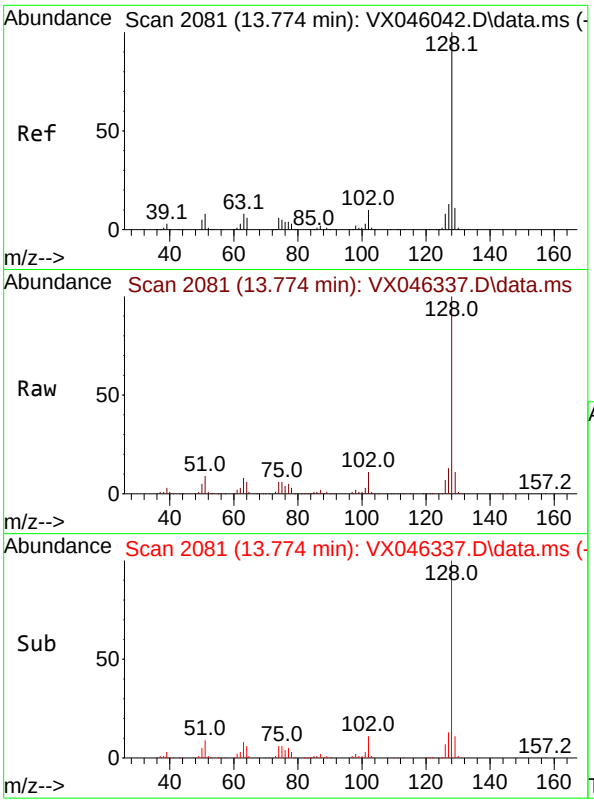




#94
Hexachlorobutadiene
Concen: 20.455 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:225 Resp: 10958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 30.8 | 92.4 |
| 227 | 65.3 | 30.9 | 92.7 |



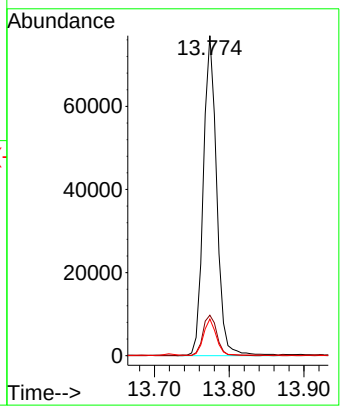


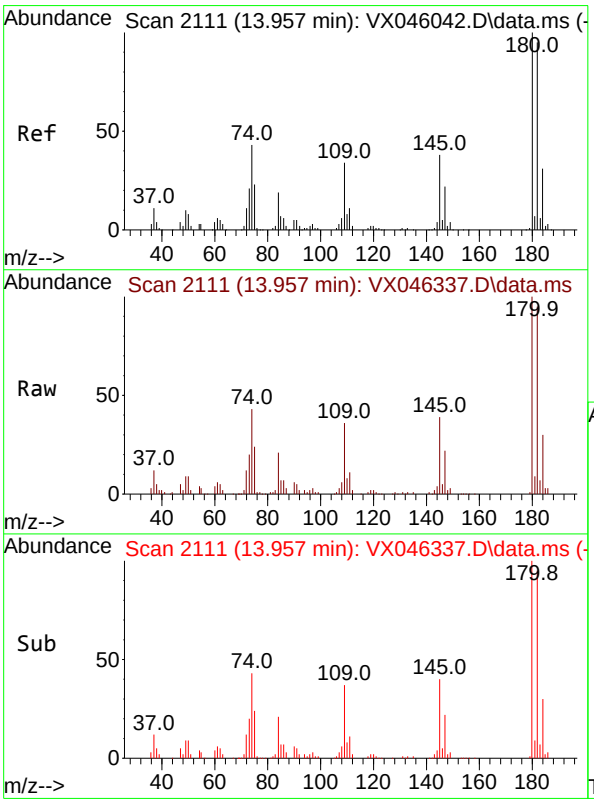

#95
Naphthalene
Concen: 21.296 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0523WBSD01

Tgt Ion:128 Resp: 95806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.3 | 10.4 | 15.6 |
| 129 | 10.7 | 8.6 | 13.0 |

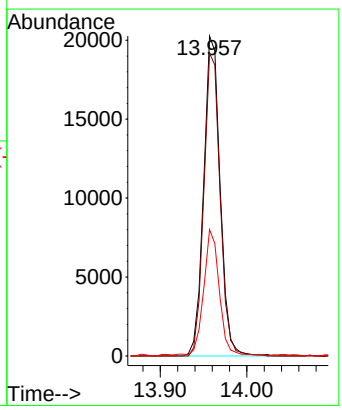



#96
1,2,3-Trichlorobenzene
Concen: 21.171 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046337.D
Acq: 23 May 2025 12:10

Tgt Ion:180 Resp: 26794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.3 | 47.8 | 143.3 |
| 145 | 38.0 | 18.1 | 54.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 76901 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 133895 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 119793 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 57270 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 76303 | 53.222 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 106.440% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 52529 | 54.480 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 108.960% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 174887 | 52.406 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 104.820% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 68500 | 53.512 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 107.020% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 65162 | 55.362 | ug/l | 99 |
| 3) Chloromethane | 1.301 | 50 | 63674 | 55.785 | ug/l | 97 |
| 4) Vinyl Chloride | 1.374 | 62 | 57094 | 53.745 | ug/l | 96 |
| 5) Bromomethane | 1.599 | 94 | 25945 | 52.657 | ug/l | 96 |
| 6) Chloroethane | 1.672 | 64 | 32902 | 58.018 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.880 | 101 | 90174 | 57.436 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 28974 | 54.212 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 55002 | 56.611 | ug/l | 99 |
| 10) Methyl Iodide | 2.447 | 142 | 65612 | 57.072 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.971 | 59 | 55085 | 273.720 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.313 | 96 | 50511 | 55.394 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 70211 | 306.348 | ug/l | 98 |
| 14) Allyl chloride | 2.660 | 41 | 100827 | 57.856 | ug/l | 98 |
| 15) Acrylonitrile | 3.062 | 53 | 173054 | 300.729 | ug/l | 99 |
| 16) Acetone | 2.380 | 43 | 164548 | 286.251 | ug/l | 100 |
| 17) Carbon Disulfide | 2.508 | 76 | 109883 | 50.829 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 90704 | 67.998 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 183289 | 57.333 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 59518 | 54.030 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 51128 | 55.755 | ug/l | 98 |
| 22) Diisopropyl ether | 3.764 | 45 | 200763 | 59.639 | ug/l | 91 |
| 23) Vinyl Acetate | 3.721 | 43 | 863186 | 291.539 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 108698 | 57.974 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 247090 | 296.078 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 70613 | 48.116 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 63500 | 57.522 | ug/l | 100 |
| 28) Bromochloromethane | 4.891 | 49 | 52129 | 57.760 | ug/l | 95 |
| 29) Tetrahydrofuran | 5.001 | 42 | 154512 | 295.465 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 114469 | 58.573 | ug/l | 95 |
| 31) Cyclohexane | 5.464 | 56 | 95051 | 55.632 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 96340 | 56.869 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 72138 | 55.684 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 92364 | 57.707 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 82234 | 56.496 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 90301 | 54.143 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 220905 | 58.216 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 54334 | 64.894 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 95945 | 58.585 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.336 | 43 | 144296 | 59.095 | ug/l | | 99 |
| 44) Trichloroethene | 7.123 | 130 | 50758 | 55.577 | ug/l | | 95 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 56489 | 59.869 | ug/l | | 100 |
| 46) Dibromomethane | 7.580 | 93 | 43094 | 57.908 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 87255 | 59.530 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 76552 | 61.388 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 27383 | 1156.492 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 494800 | 305.280 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 134352 | 57.742 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 74835 | 57.441 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 82245 | 57.117 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 55081 | 60.037 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 89269 | 61.050 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 95448 | 57.929 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 216543 | 290.480 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 368660 | 307.441 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 60337 | 59.883 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 54964 | 57.641 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 46807 | 55.224 | ug/l | | 97 |
| 65) Chlorobenzene | 10.073 | 112 | 145604 | 55.532 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 50957 | 56.915 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 265477 | 57.440 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 193557 | 114.503 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 94322 | 57.235 | ug/l | | 97 |
| 70) Styrene | 10.653 | 104 | 161327 | 59.760 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 37155 | 55.274 | ug/l | # | 96 |
| 73) Isopropylbenzene | 10.957 | 105 | 254450 | 57.069 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 127633 | 57.930 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 84242 | 53.916 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 94388 | 68.471 | ug/l | | 84 |
| 77) Bromobenzene | 11.195 | 156 | 57480 | 55.529 | ug/l | | 99 |
| 78) n-propylbenzene | 11.299 | 91 | 298001 | 57.482 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 183213 | 54.791 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 214369 | 57.551 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 22130 | 52.265 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 209928 | 56.611 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 210698 | 56.156 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 215135 | 57.033 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 263013 | 57.092 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 218175 | 57.375 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 104059 | 55.082 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 103178 | 53.479 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 193146 | 57.905 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 36765 | 54.879 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 106177 | 56.008 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 19820 | 57.261 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 58756 | 53.962 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 25883 | 54.428 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 217170 | 54.381 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 61179 | 54.454 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

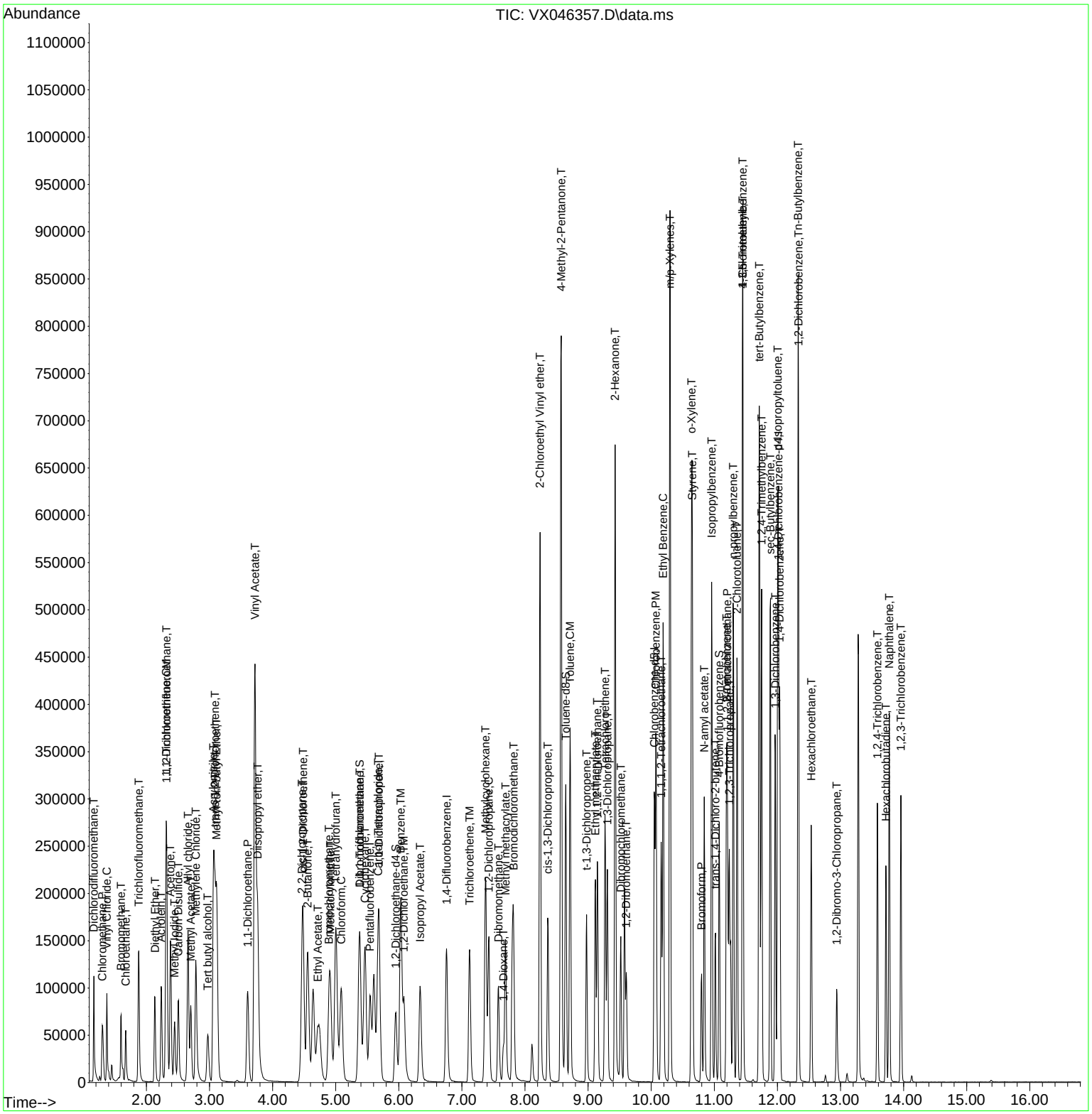
(#) = qualifier out of range (m) = manual integration (+) = signals summed

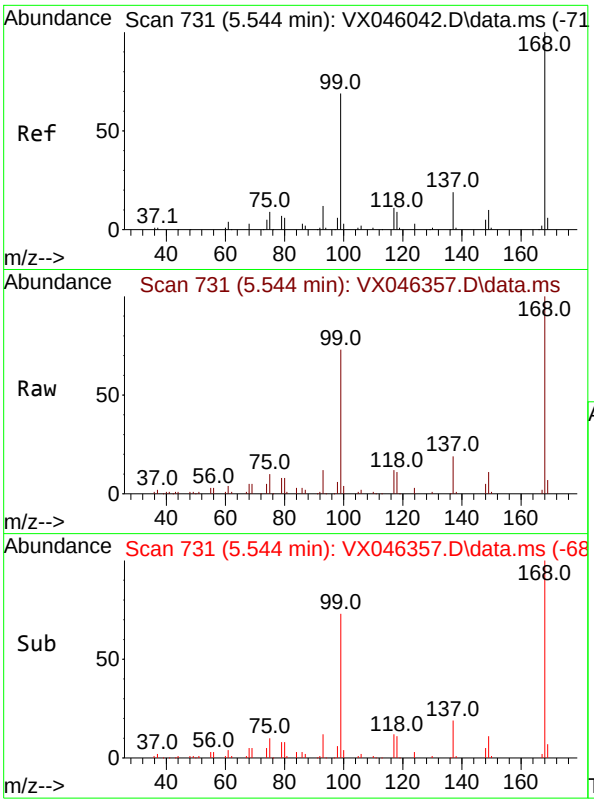
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046357.D
Acq On : 23 May 2025 19:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: May 23 23:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



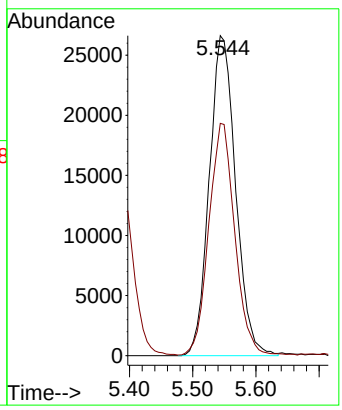


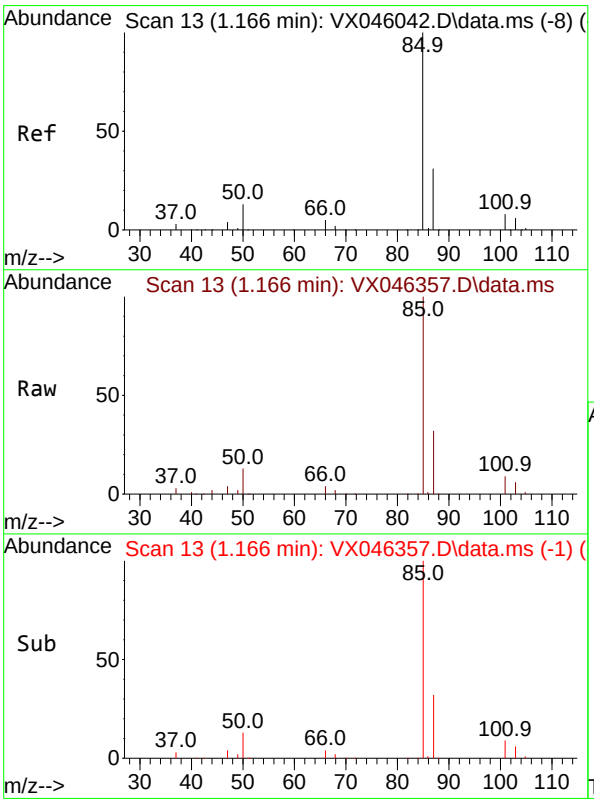

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 76901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 72.4 | 54.9 | 82.3 |

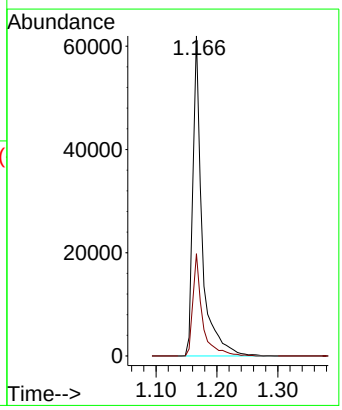


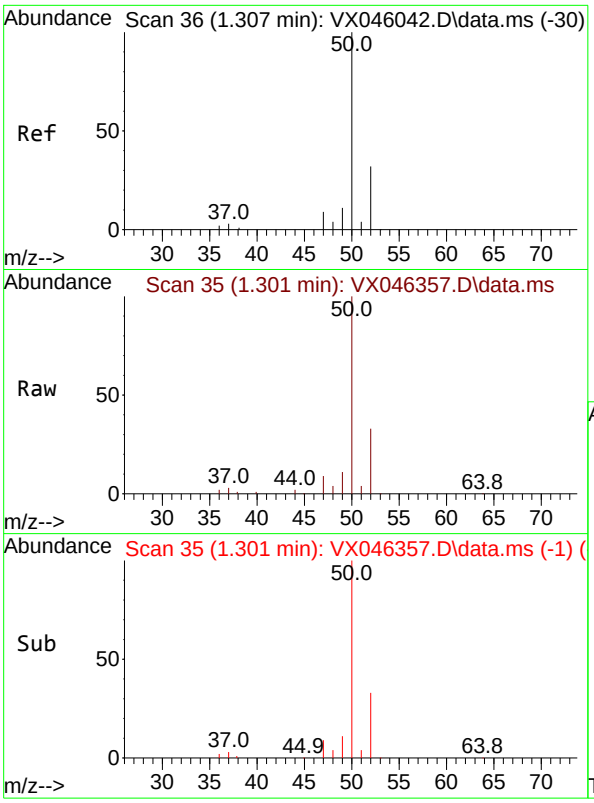




#2
Dichlorodifluoromethane
Concen: 55.362 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 85 Resp: 65162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.0 | 15.7 | 47.1 |



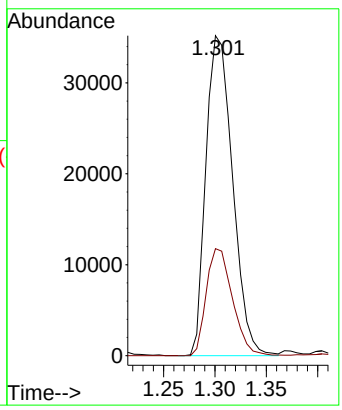


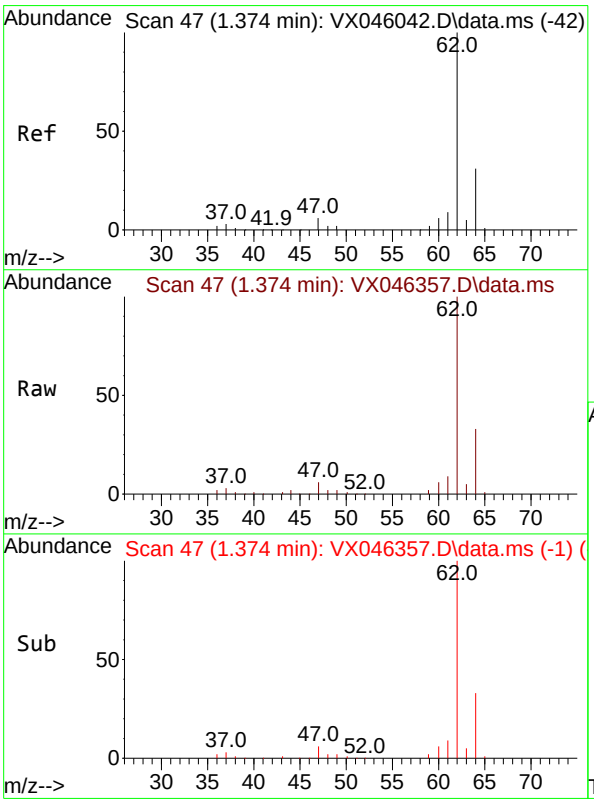

#3
Chloromethane
Concen: 55.785 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 63674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.5 | 25.4 | 38.2 |

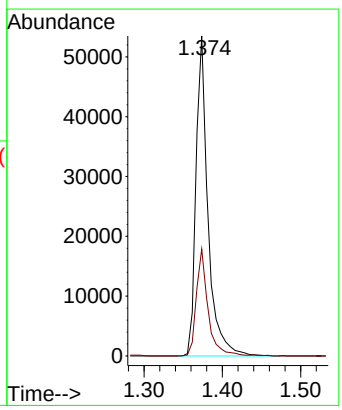


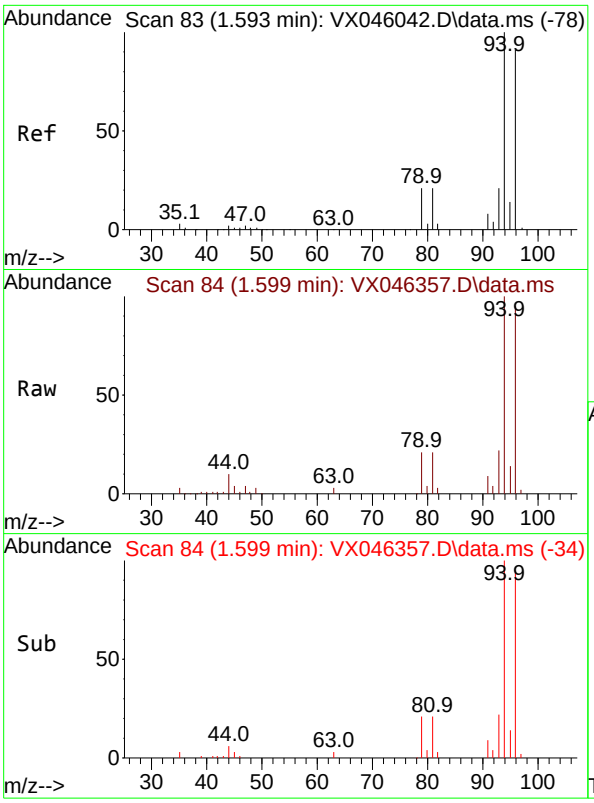




#4
Vinyl Chloride
Concen: 53.745 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 62 Resp: 57094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.5 | 25.2 | 37.8 |



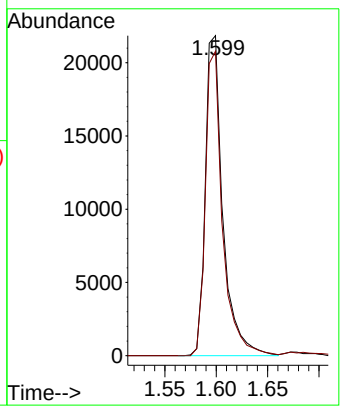


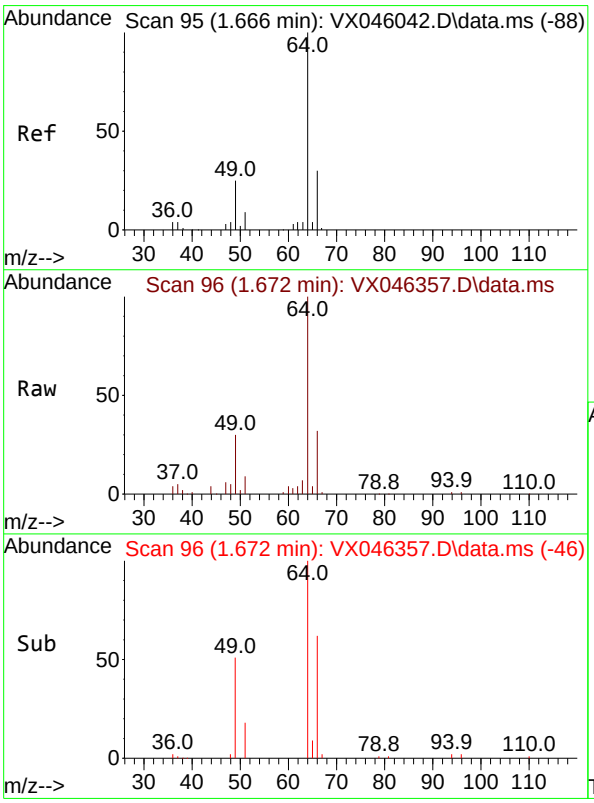

#5
Bromomethane
Concen: 52.657 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 25945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.2 | 72.8 | 109.2 |

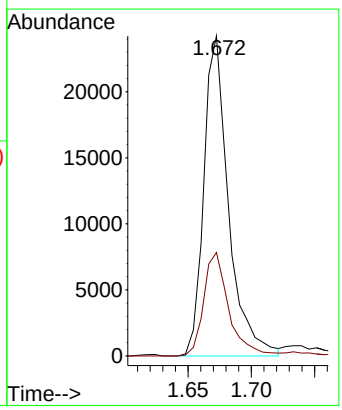


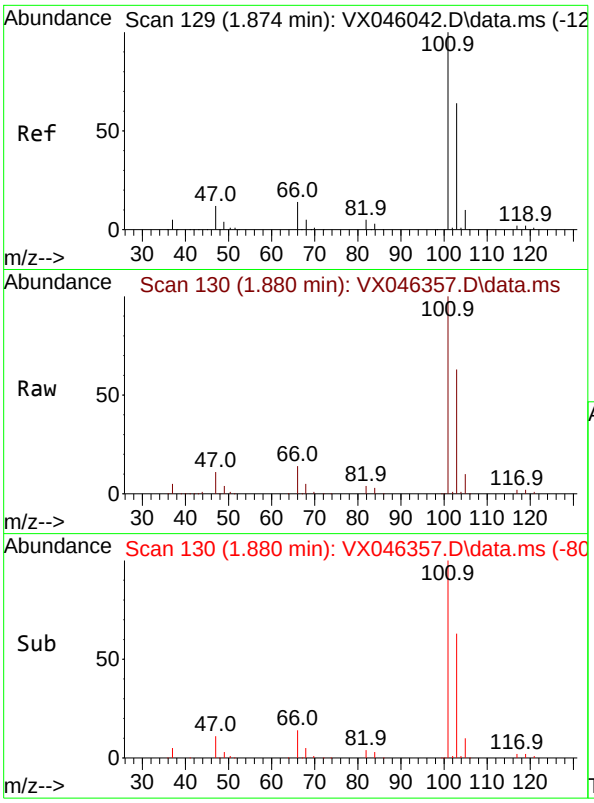




#6
Chloroethane
Concen: 58.018 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 64 Resp: 32902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.3 | 24.3 | 36.5 |



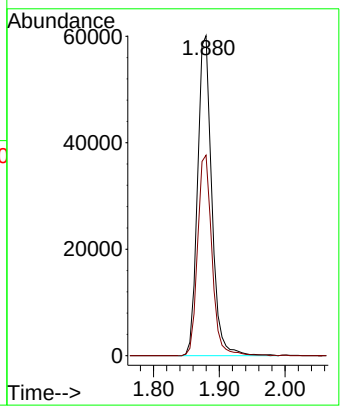


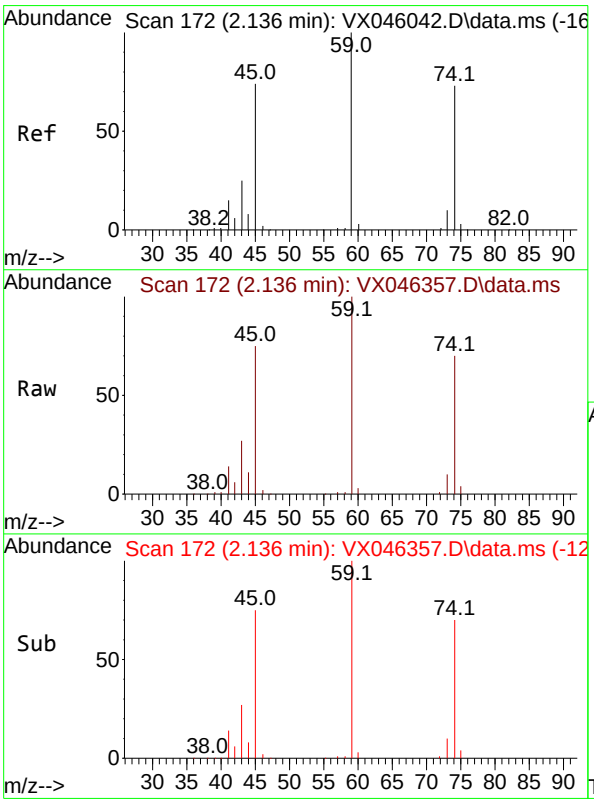

#7
Trichlorofluoromethane
Concen: 57.436 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 90174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.7 | 51.0 | 76.4 |

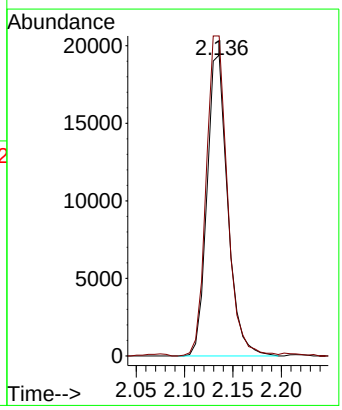


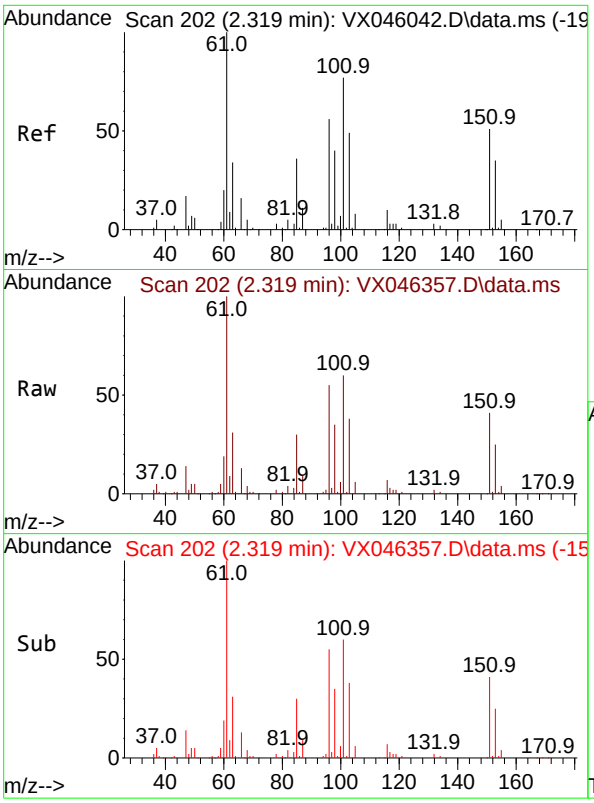




#8
Diethyl Ether
Concen: 54.212 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 74 Resp: 28974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 109.1 | 54.9 | 164.8 |



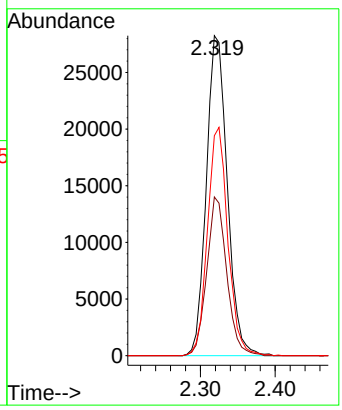


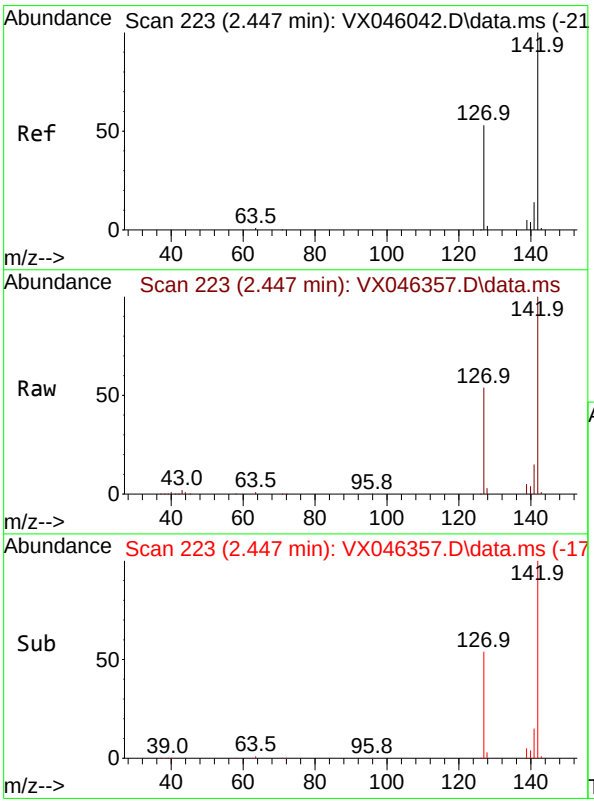

#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.611 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 55002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.4 | 38.6 | 58.0 |
| 151 | 69.5 | 55.2 | 82.8 |

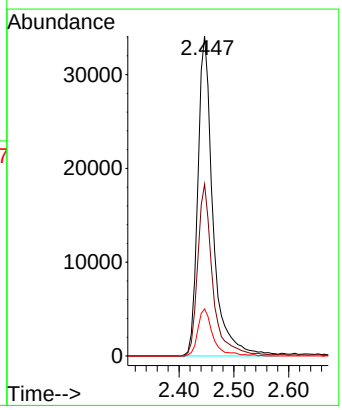


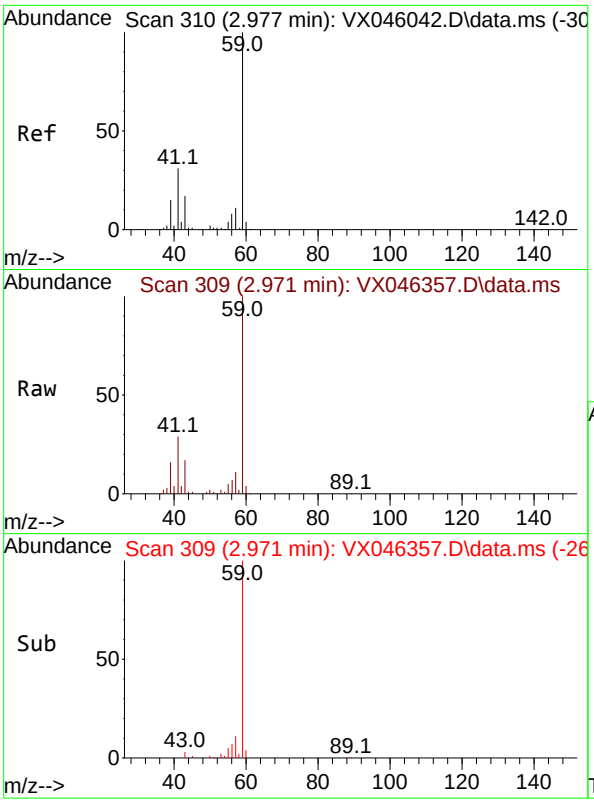




#10
Methyl Iodide
Concen: 57.072 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:142 Resp: 65612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 53.1 | 41.7 | 62.5 |
| 141 | 14.8 | 11.5 | 17.3 |



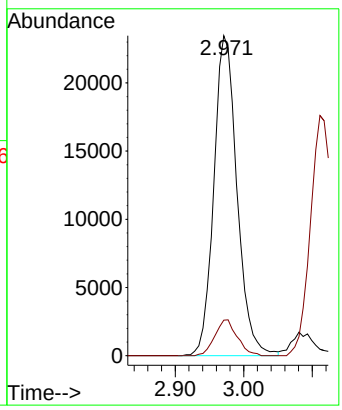


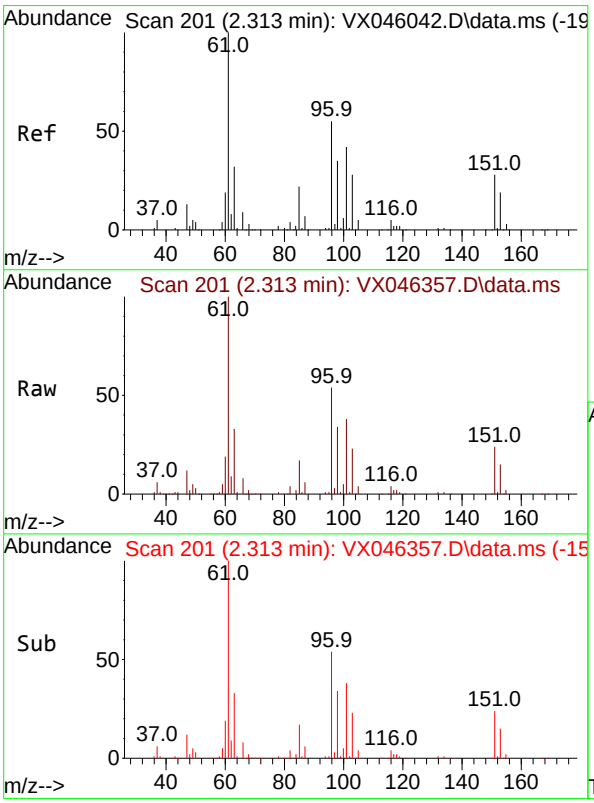

#11
Tert butyl alcohol
Concen: 273.720 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 55085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.8 | 8.6 | 12.8 |

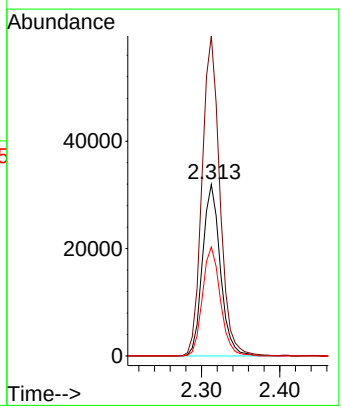


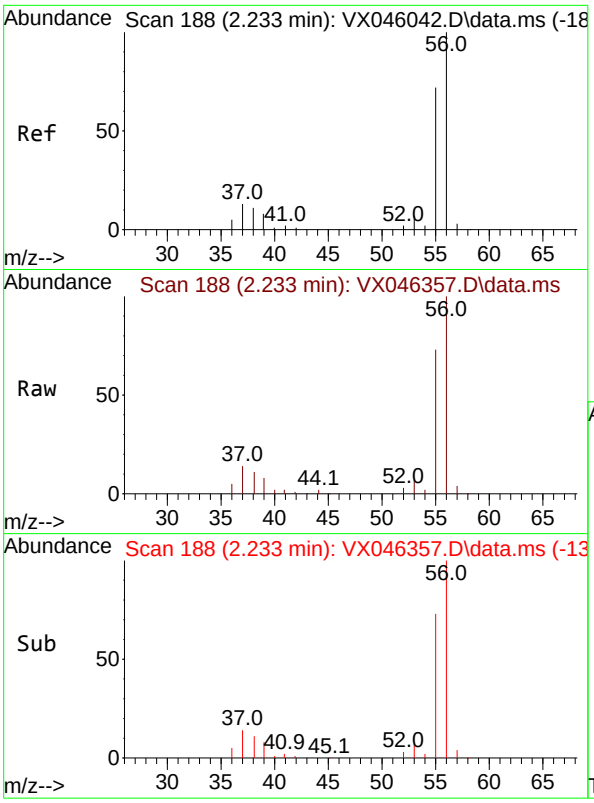




#12
1,1-Dichloroethene
Concen: 55.394 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 96 Resp: 50511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 186.5 | 146.2 | 219.2 |
| 98 | 63.5 | 51.0 | 76.6 |



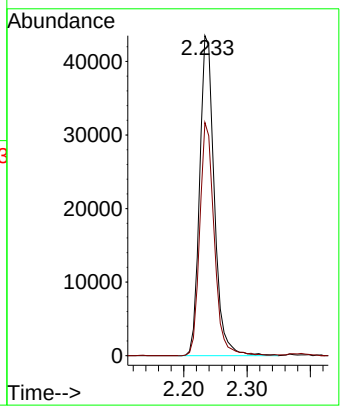


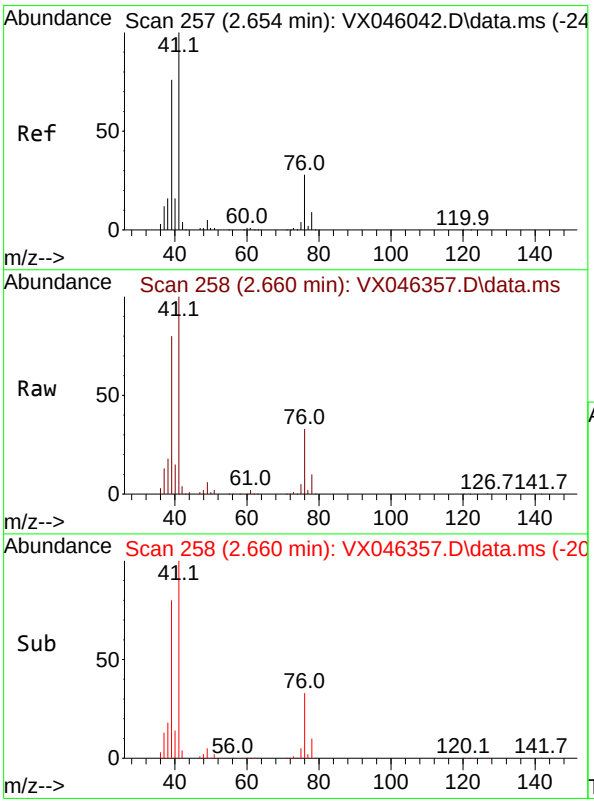

#13
Acrolein
Concen: 306.348 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 70211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.2 | 56.2 | 84.4 |

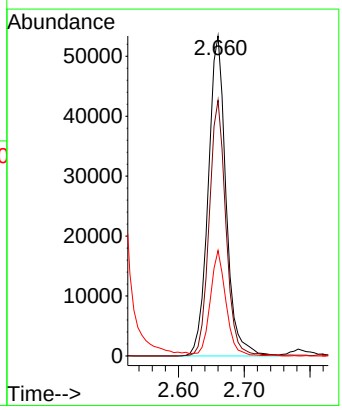


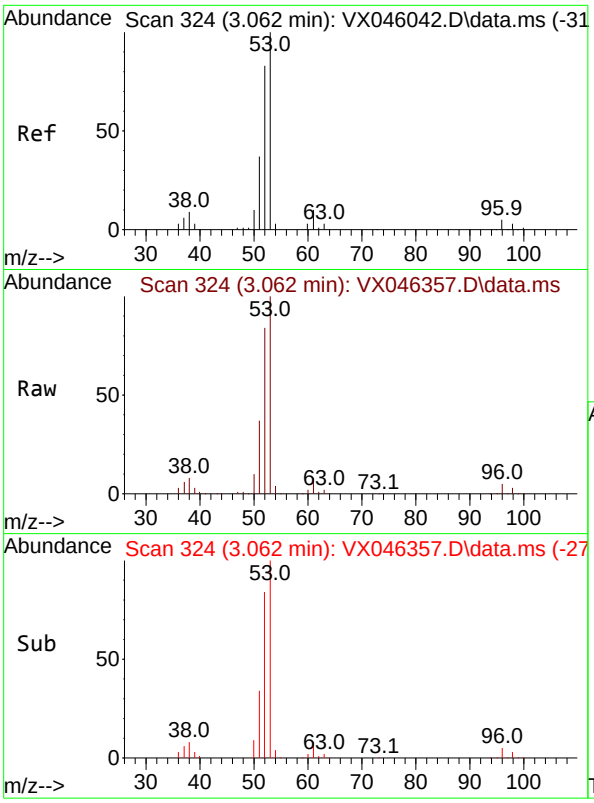




#14
Allyl chloride
Concen: 57.856 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 41 Resp: 100827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.8 | 60.6 | 90.8 |
| 76 | 28.7 | 24.9 | 37.3 |



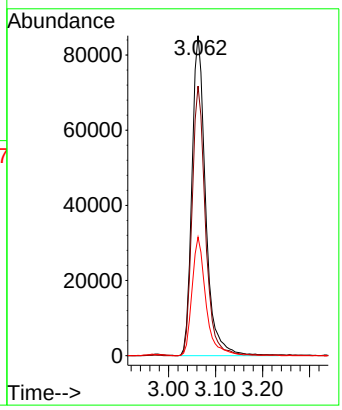


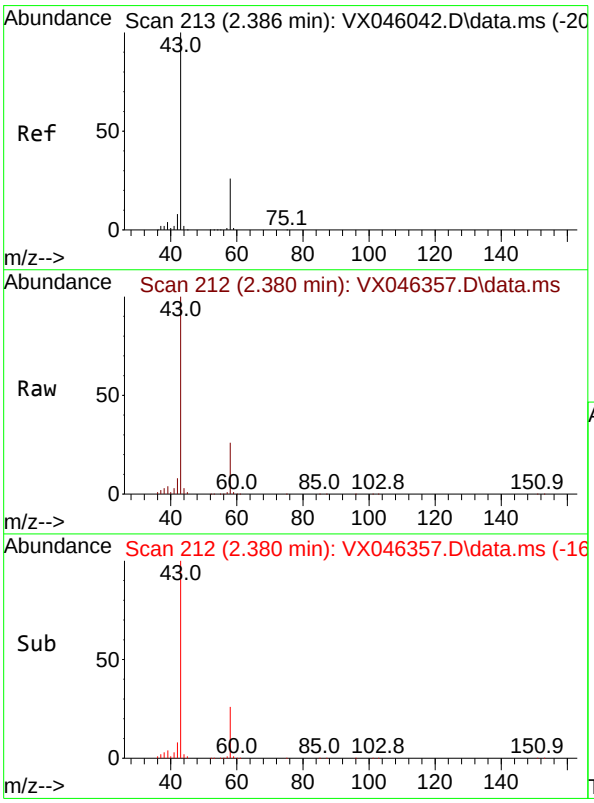

#15
Acrylonitrile
Concen: 300.729 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 173054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 65.3 | 97.9 |
| 51 | 37.7 | 29.8 | 44.8 |

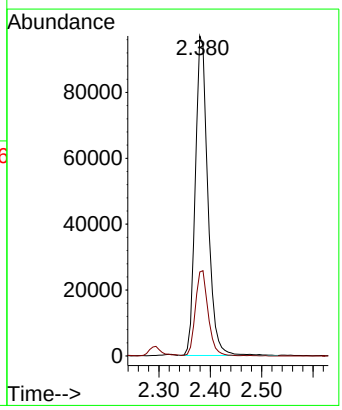


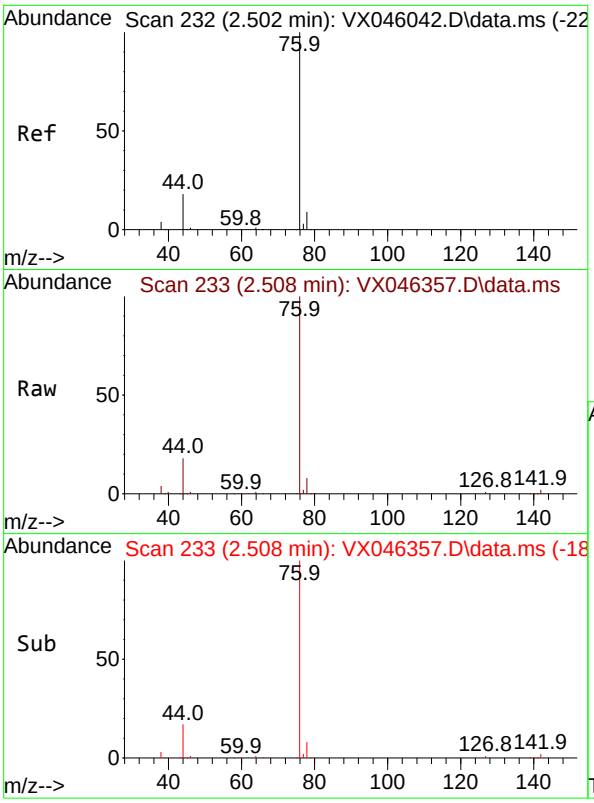




#16
Acetone
Concen: 286.251 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 43 Resp: 164548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.3 | 21.2 | 31.8 |



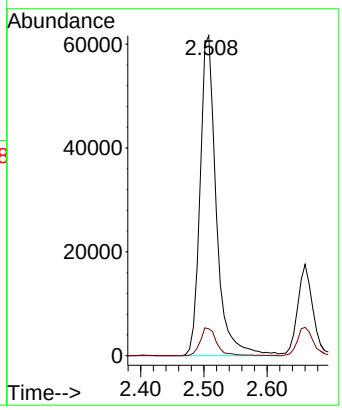


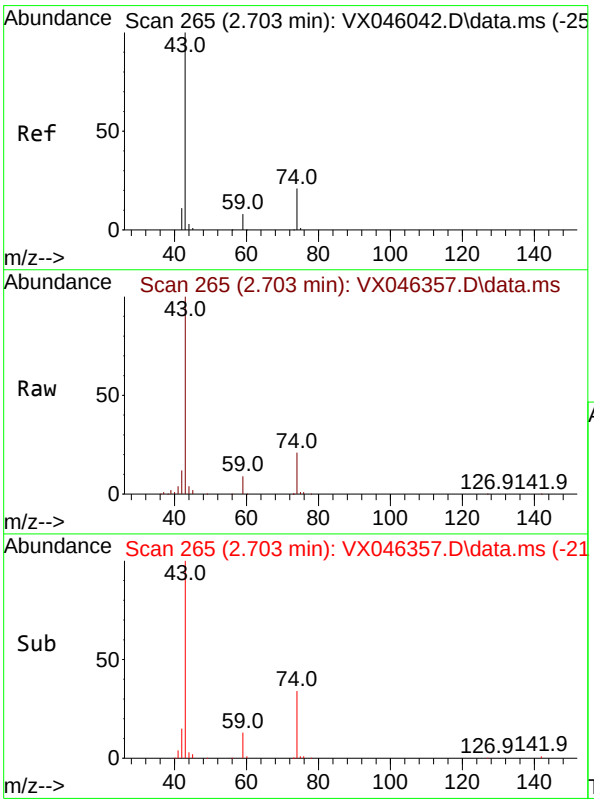

#17
Carbon Disulfide
Concen: 50.829 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 109883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.4 | 7.0 | 10.4 |

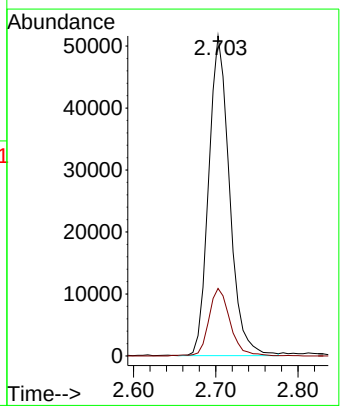


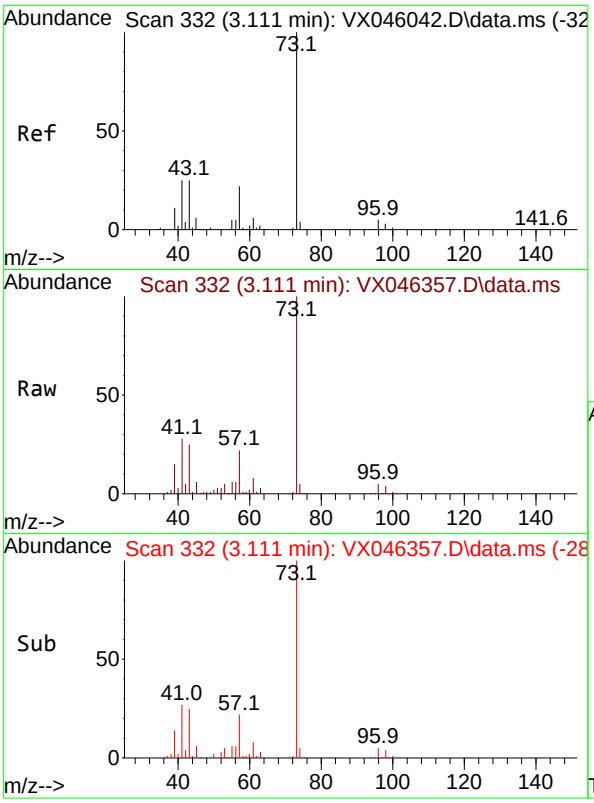




#18
Methyl Acetate
Concen: 67.998 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 43 Resp: 90704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.6 | 16.7 | 25.1 |



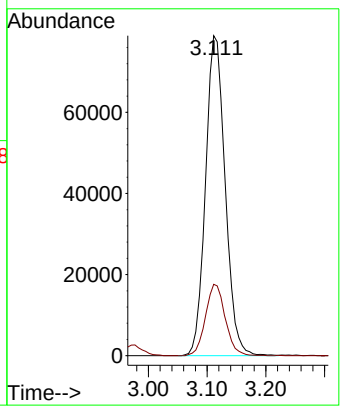


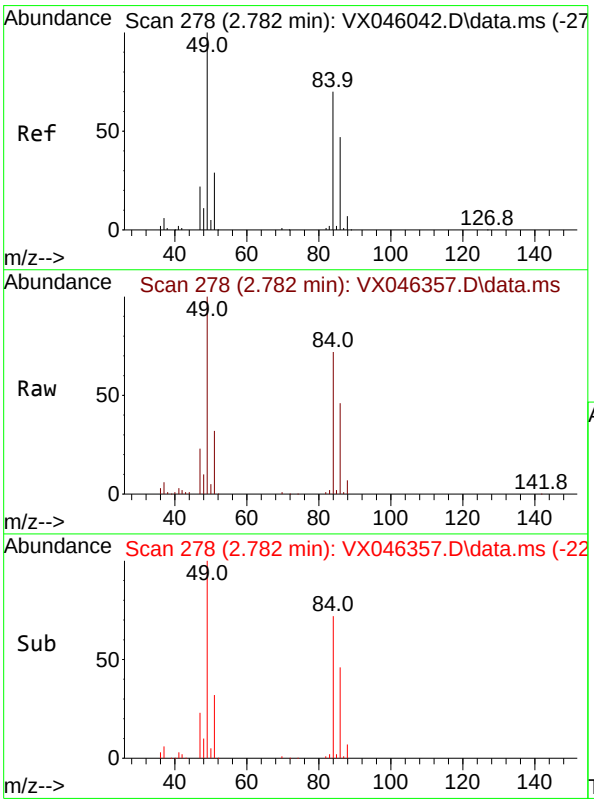

#19
Methyl tert-butyl Ether
Concen: 57.333 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 183289

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

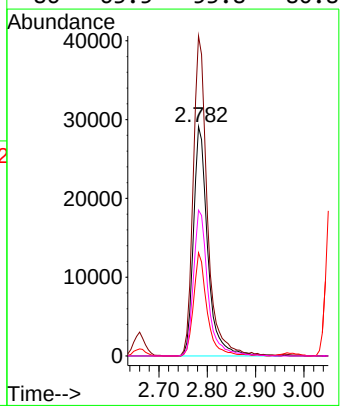


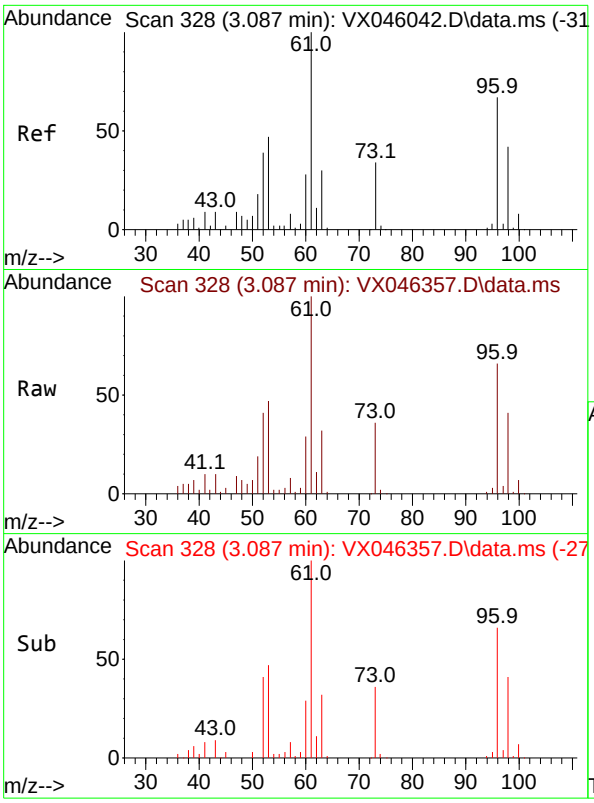




#20
Methylene Chloride
Concen: 54.030 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 84 Resp: 59518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 139.5 | 113.9 | 170.9 |
| 51 | 45.0 | 33.5 | 50.3 |
| 86 | 63.5 | 53.8 | 80.8 |



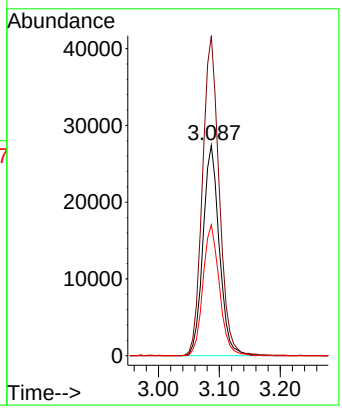


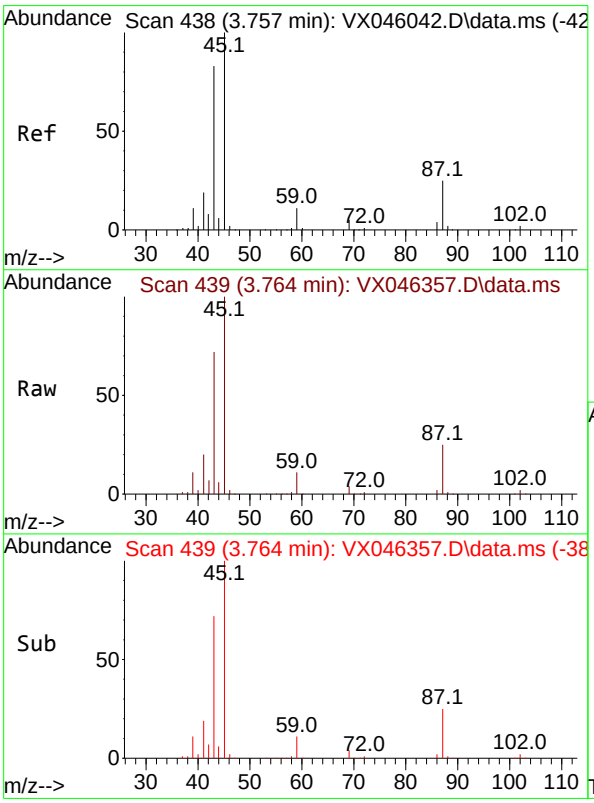

#21
trans-1,2-Dichloroethene
Concen: 55.755 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 51128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.0 | 119.5 | 179.3 |
| 98 | 62.2 | 50.0 | 75.0 |

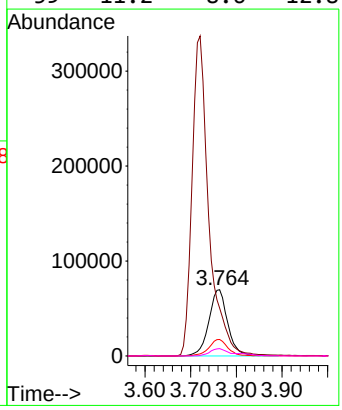


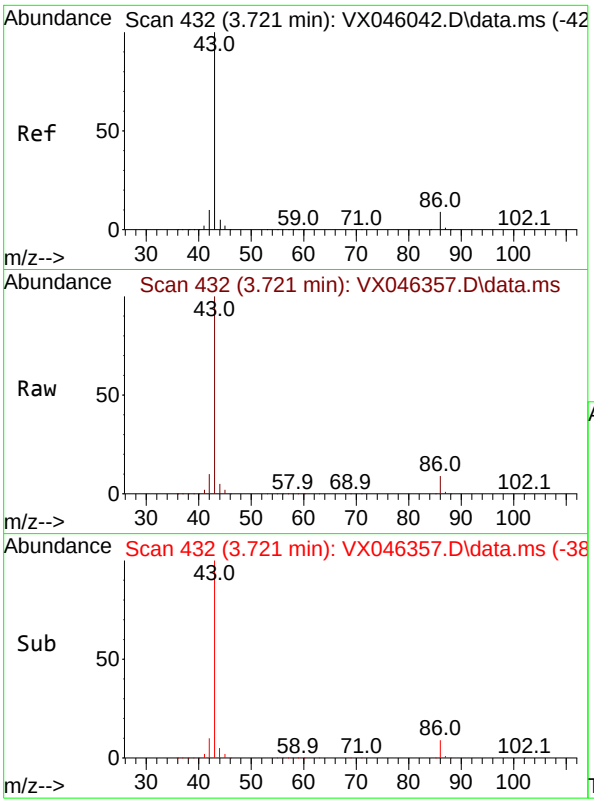




#22
Diisopropyl ether
Concen: 59.639 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 45 Resp: 200763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 71.6 | 66.6 | 100.0 |
| 87 | 24.8 | 19.8 | 29.6 |
| 59 | 11.2 | 8.6 | 12.8 |



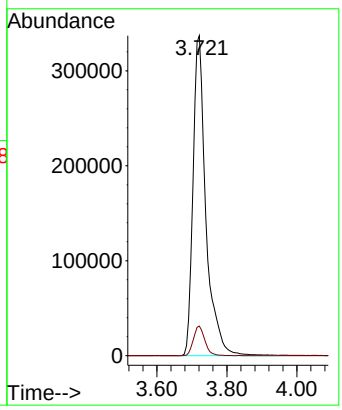


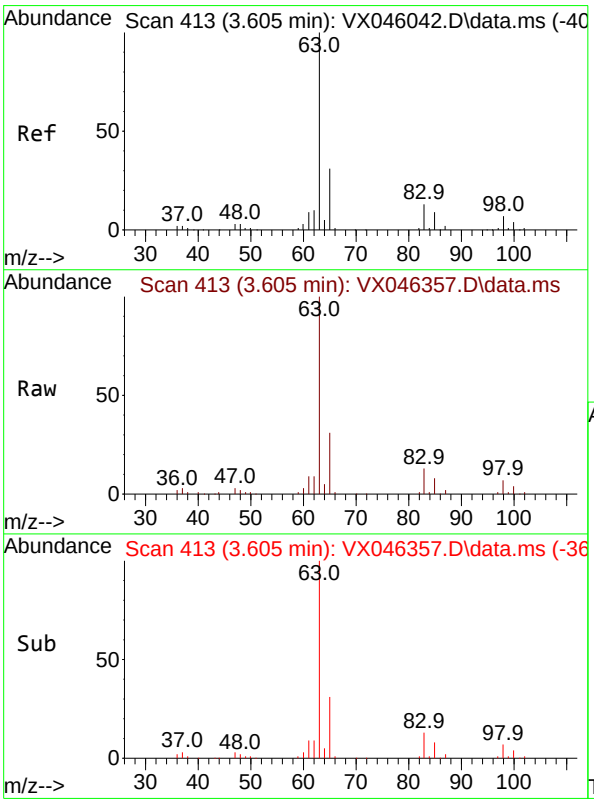

#23
Vinyl Acetate
Concen: 291.539 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 863186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.2 | 7.5 | 11.3 |

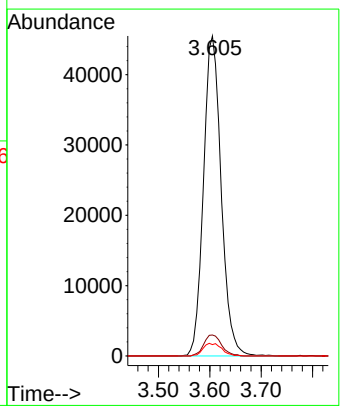


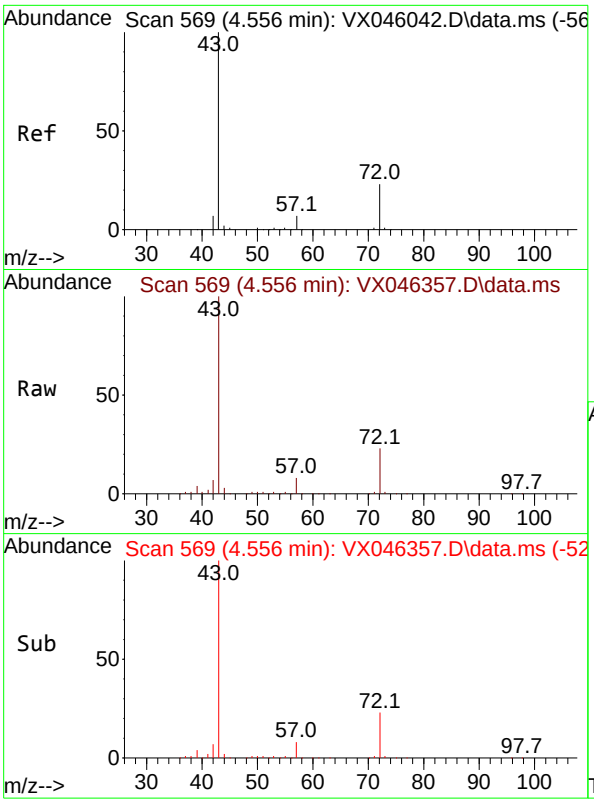




#24
1,1-Dichloroethane
Concen: 57.974 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 63 Resp: 108698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.5 | 3.6 | 10.8 |
| 100 | 3.6 | 2.1 | 6.3 |



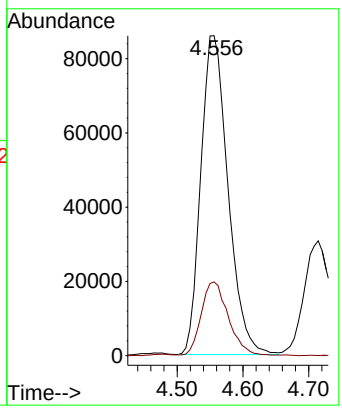


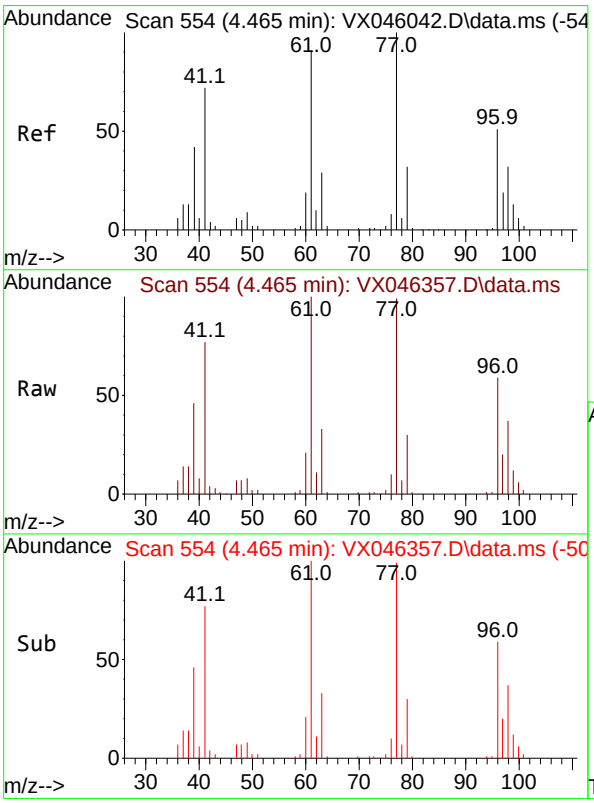

#25
2-Butanone
Concen: 296.078 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 247090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.0 | 18.4 | 27.6 |

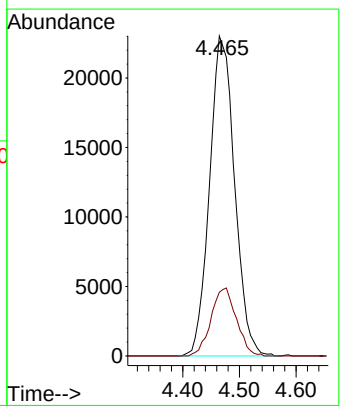


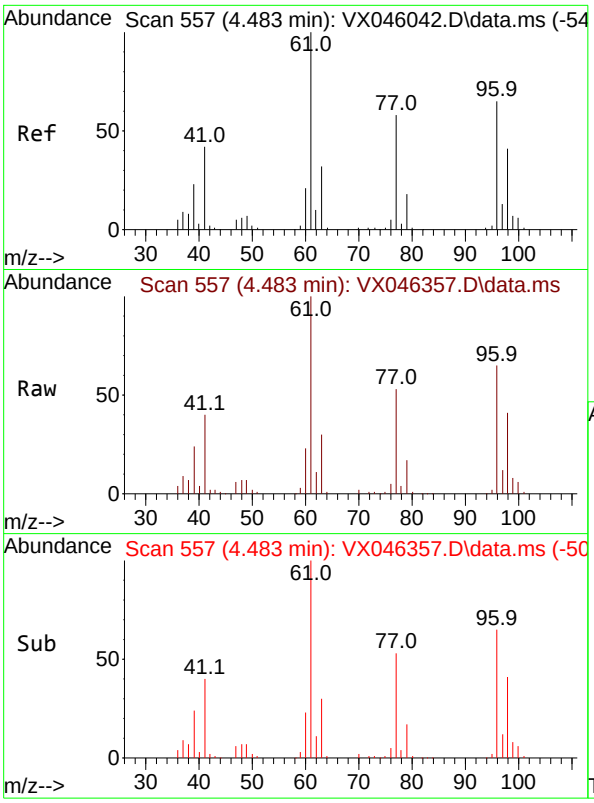




#26
2,2-Dichloropropane
Concen: 48.116 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 77 Resp: 70613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.4 | 10.5 | 31.5 |



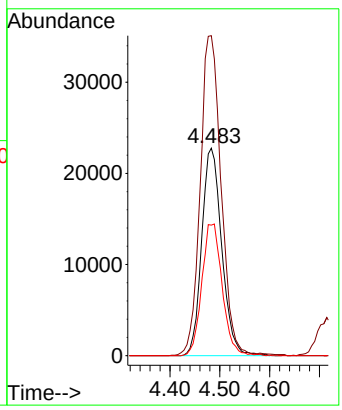


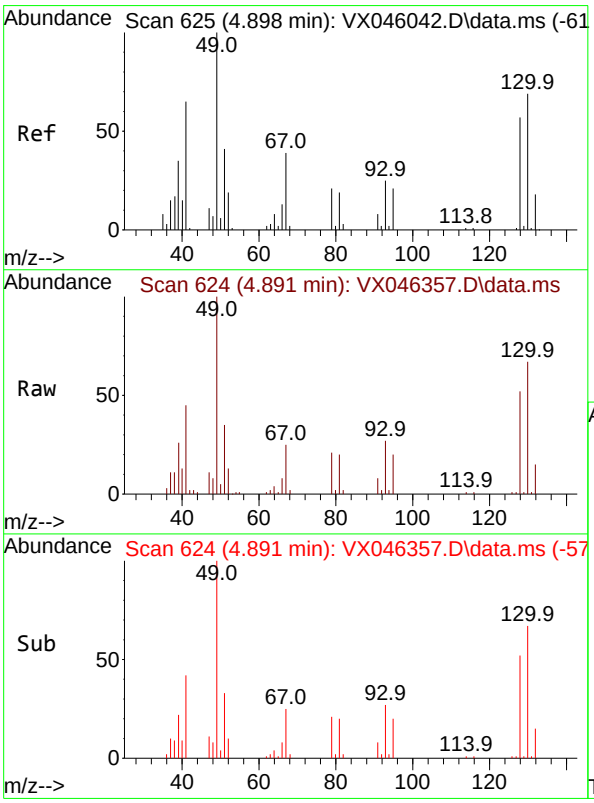

#27
cis-1,2-Dichloroethene
Concen: 57.522 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 63500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.6 | 0.0 | 322.8 |
| 98 | 64.6 | 0.0 | 129.0 |

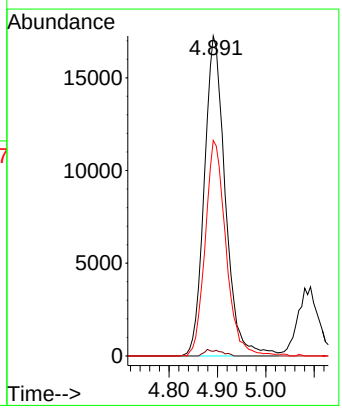


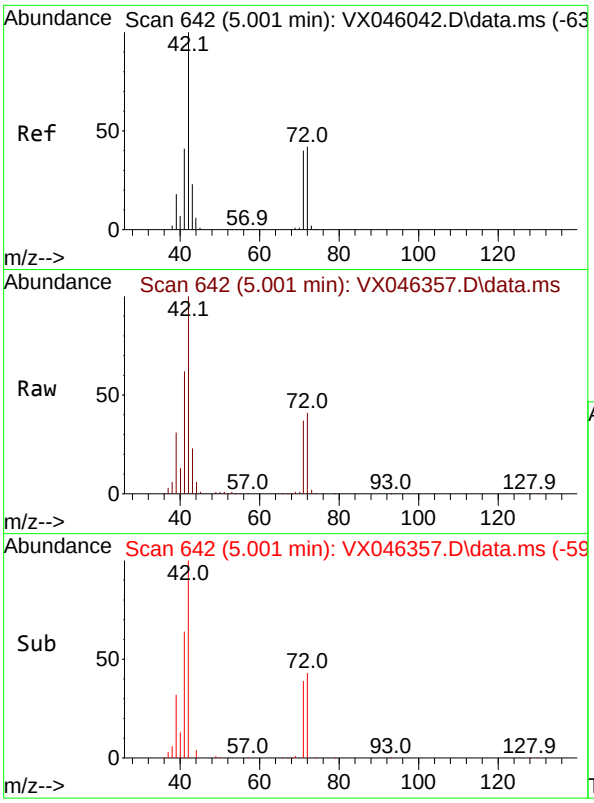




#28
Bromochloromethane
Concen: 57.760 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 49 Resp: 52129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.6 | 0.0 | 4.0 |
| 130 | 66.3 | 56.2 | 84.2 |



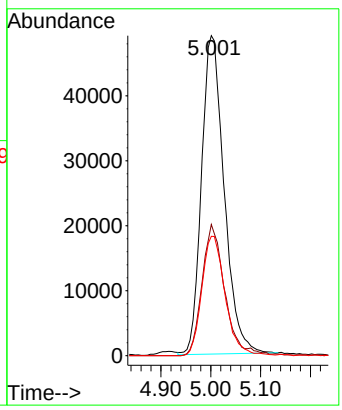


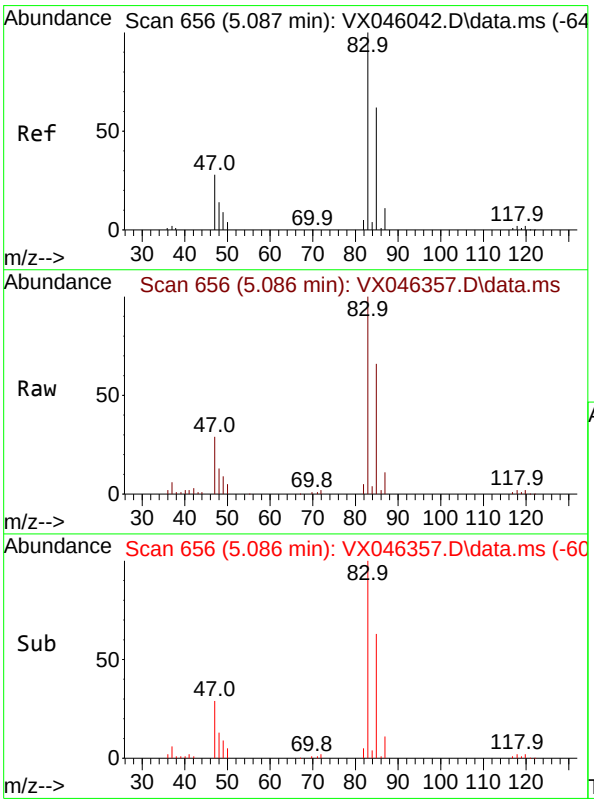

#29
Tetrahydrofuran
Concen: 295.465 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 154512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.5 | 33.7 | 50.5 |
| 71 | 38.7 | 31.4 | 47.2 |

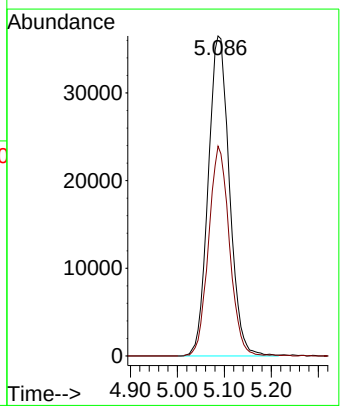


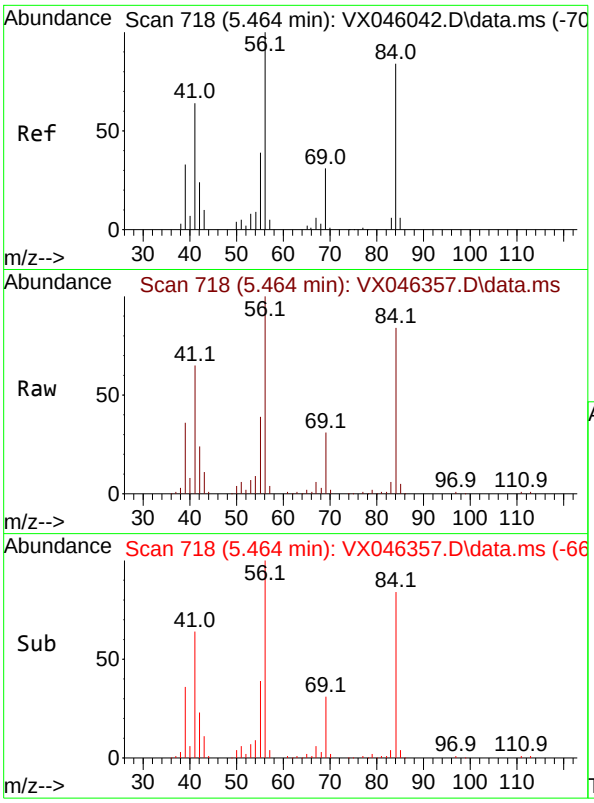




#30
Chloroform
Concen: 58.573 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 83 Resp: 114469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.5 | 49.3 | 73.9 |



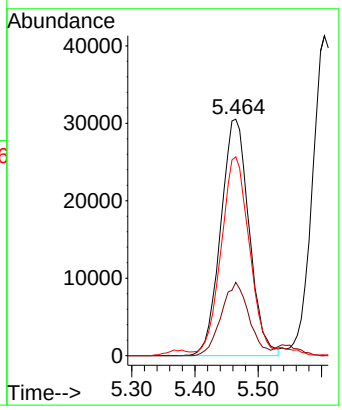


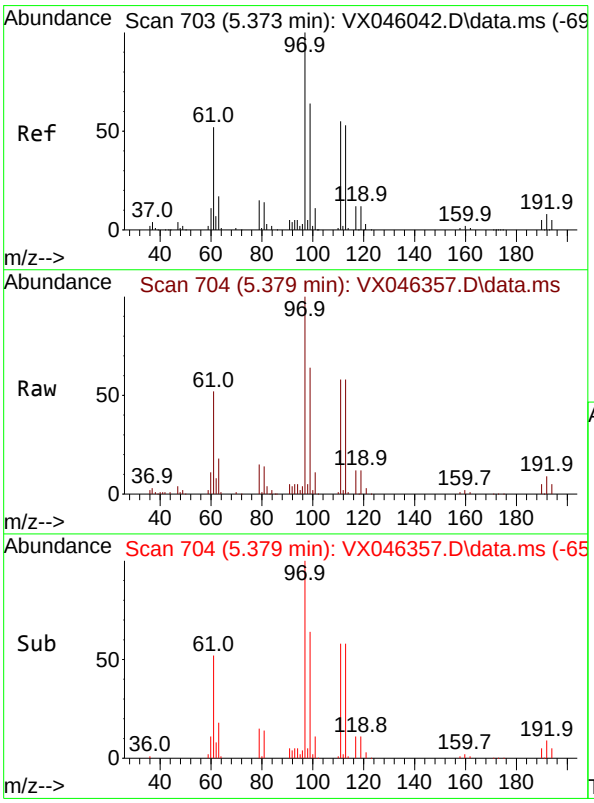

#31
Cyclohexane
Concen: 55.632 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 95051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.0 | 24.4 | 36.6 |
| 84 | 82.1 | 66.9 | 100.3 |

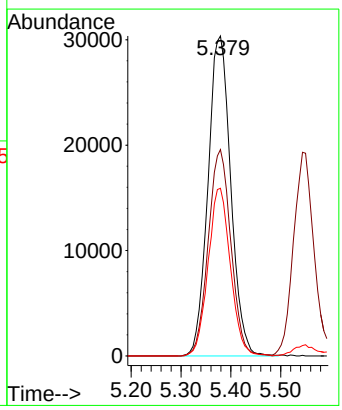


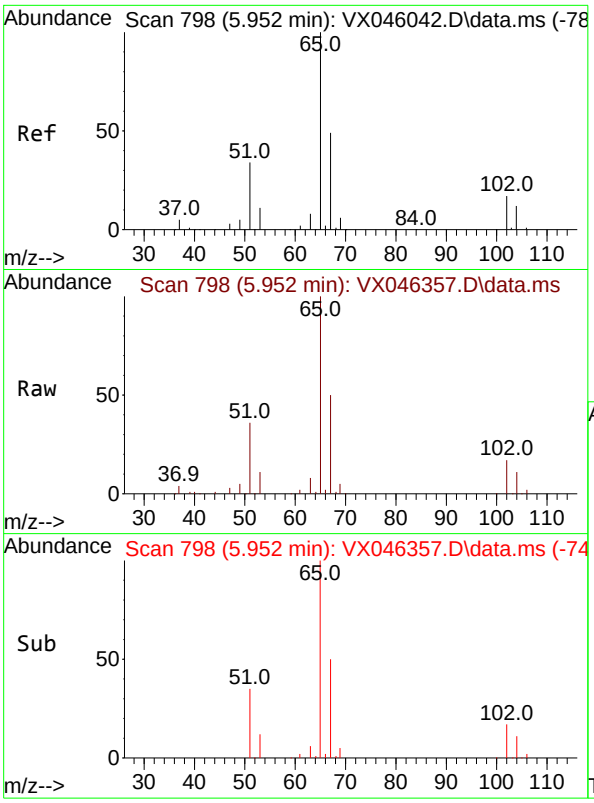




#32
1,1,1-Trichloroethane
Concen: 56.869 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 97 Resp: 96340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 51.8 | 77.6 |
| 61 | 51.4 | 40.1 | 60.1 |



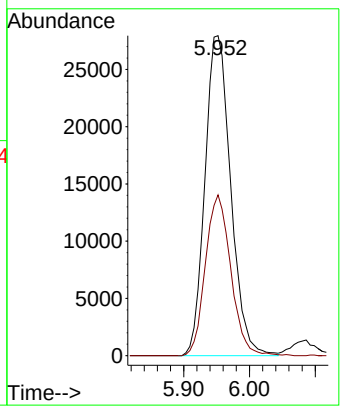


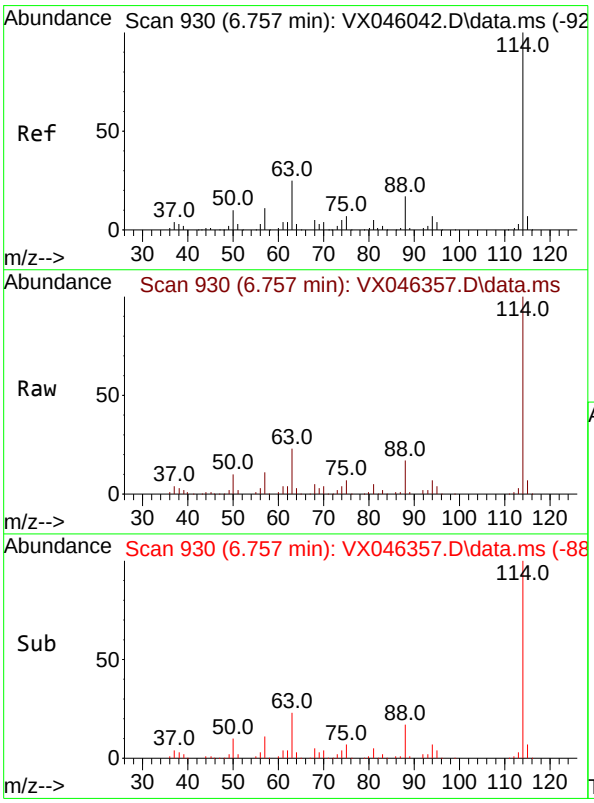

#33
1,2-Dichloroethane-d4
Concen: 53.222 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 76303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.5 | 0.0 | 99.0 |

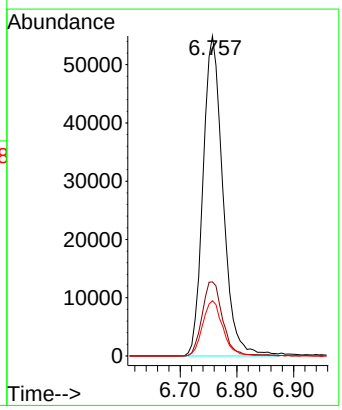


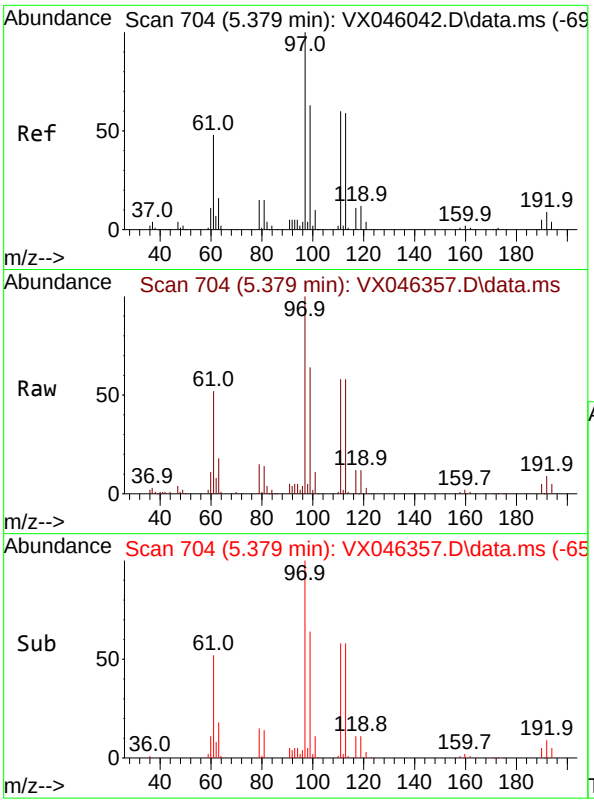




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:114 Resp: 133895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.2 | 0.0 | 49.2 |
| 88 | 17.3 | 0.0 | 33.6 |



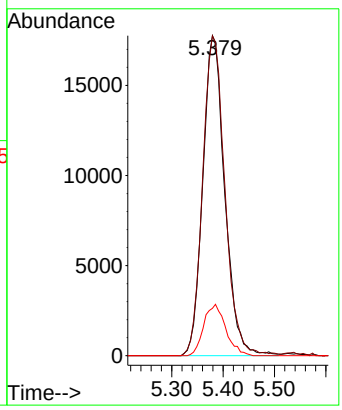


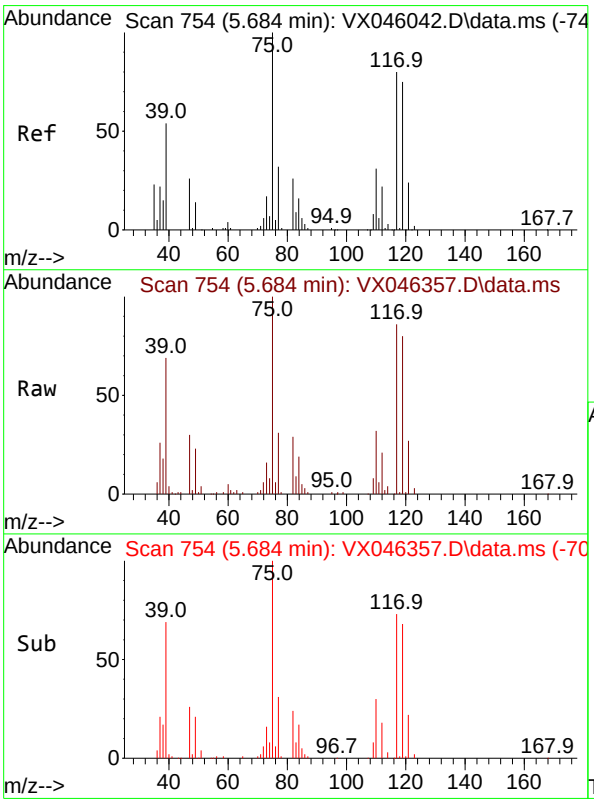

#35
Dibromofluoromethane
Concen: 54.480 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 52529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.6 | 83.1 | 124.7 |
| 192 | 16.2 | 13.3 | 19.9 |

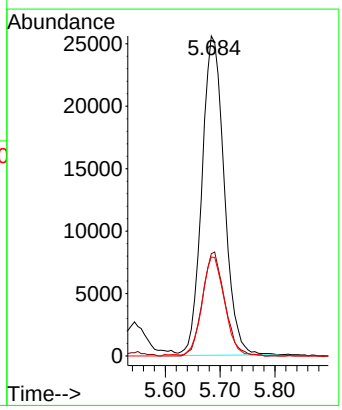


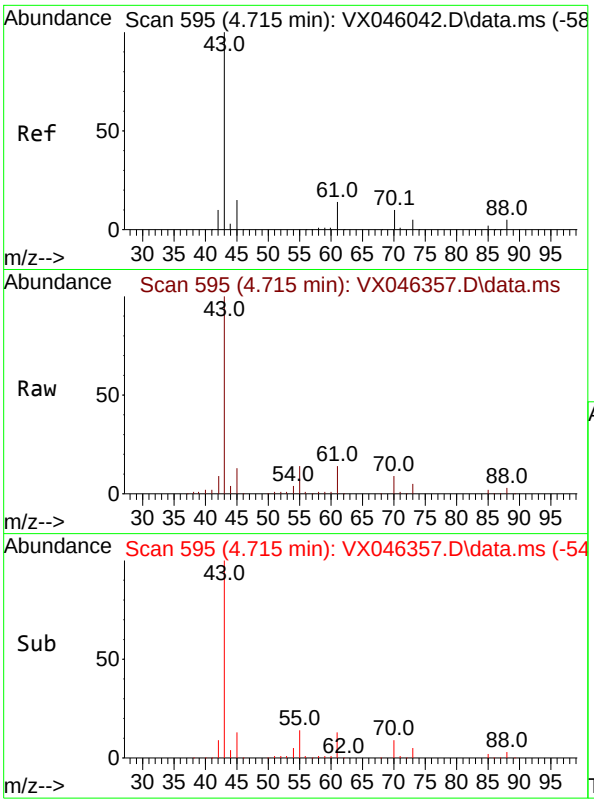




#36
1,1-Dichloropropene
Concen: 55.684 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 75 Resp: 72138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.4 | 16.3 | 48.9 |
| 77 | 31.4 | 24.3 | 36.5 |



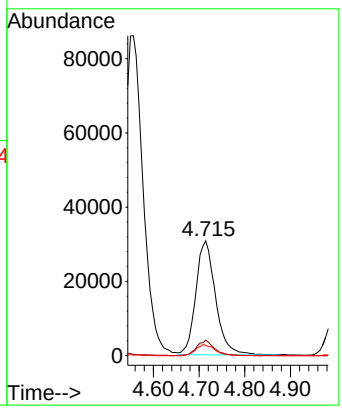


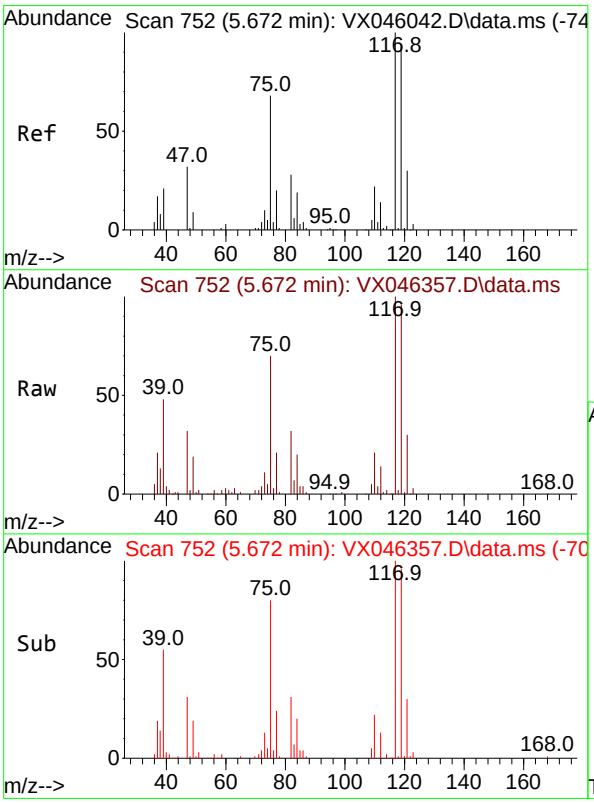

#37
Ethyl Acetate
Concen: 57.707 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 92364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.2 | 10.3 | 15.5 |
| 70 | 9.4 | 7.9 | 11.9 |

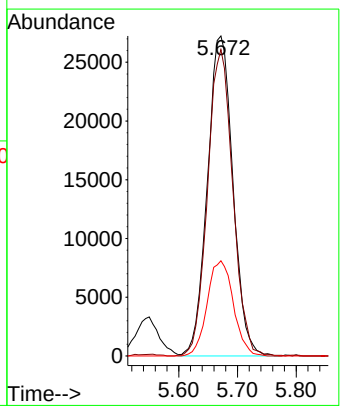


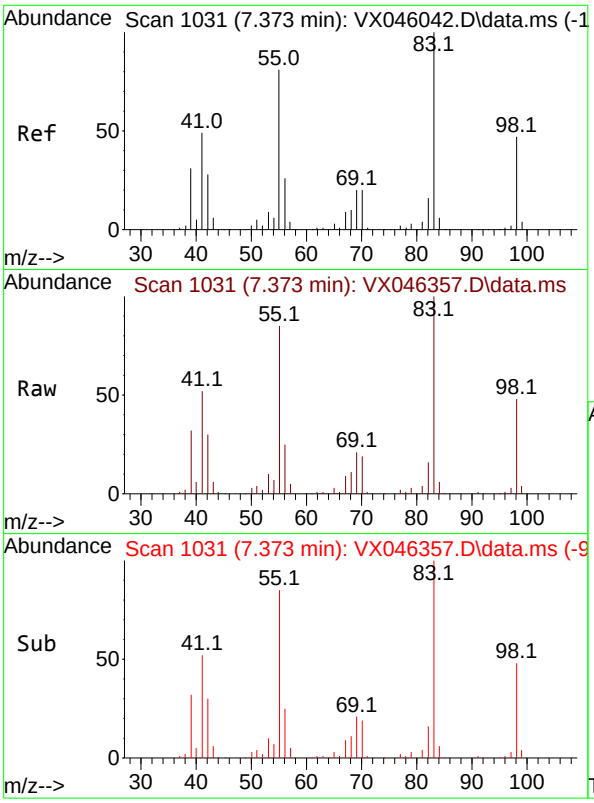




#38
Carbon Tetrachloride
Concen: 56.496 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:117 Resp: 82234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 75.2 | 112.8 |
| 121 | 29.7 | 24.2 | 36.4 |



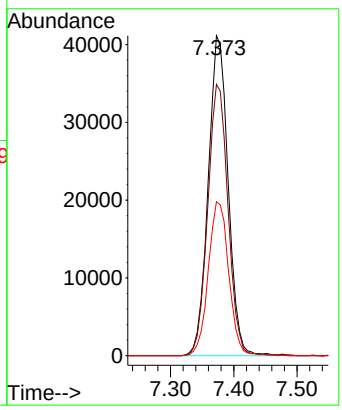


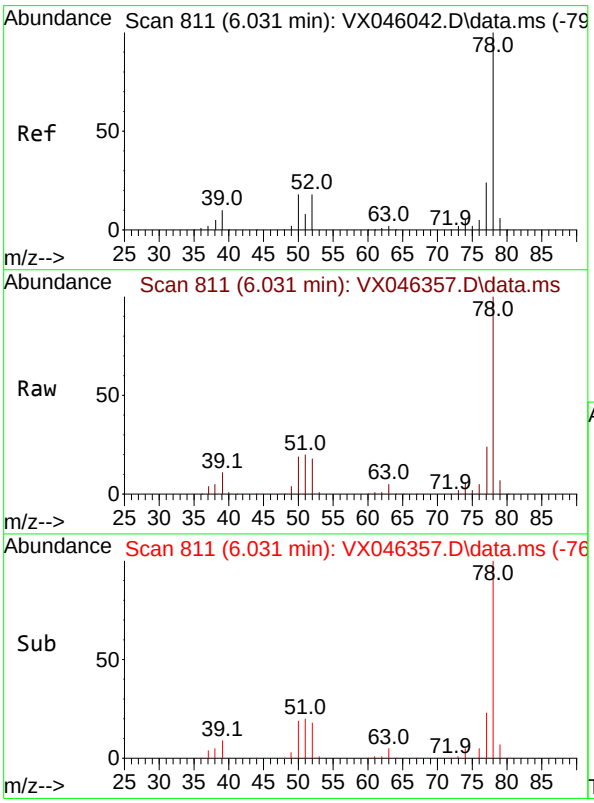

#39
Methylcyclohexane
Concen: 54.143 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 90301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 84.8 | 64.7 | 97.1 |
| 98 | 48.1 | 37.4 | 56.2 |

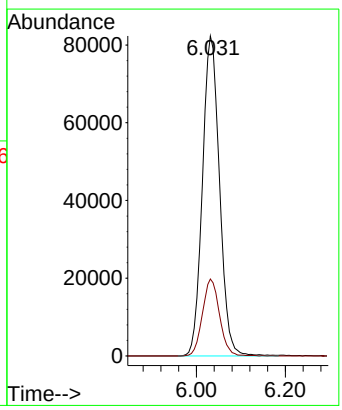


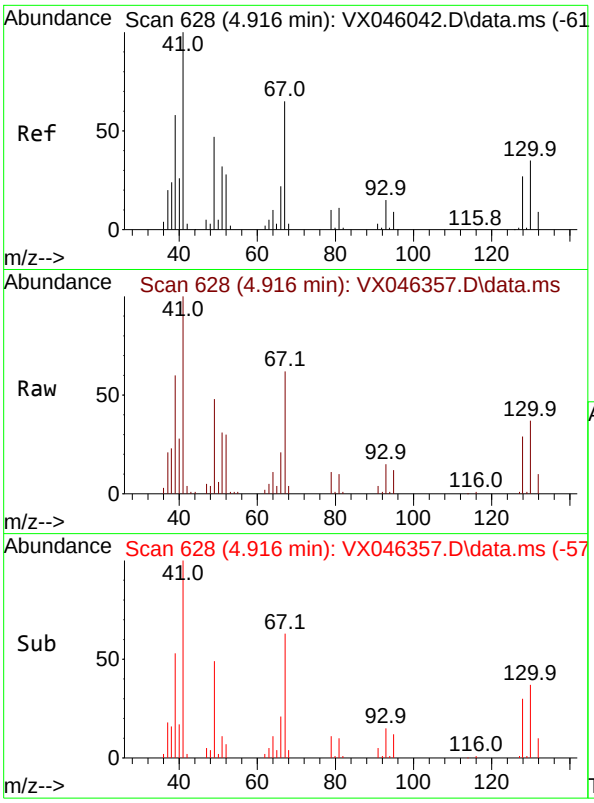




#40
Benzene
Concen: 58.216 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 78 Resp: 220905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.0 | 28.4 |



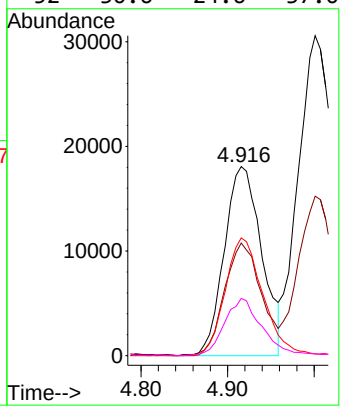


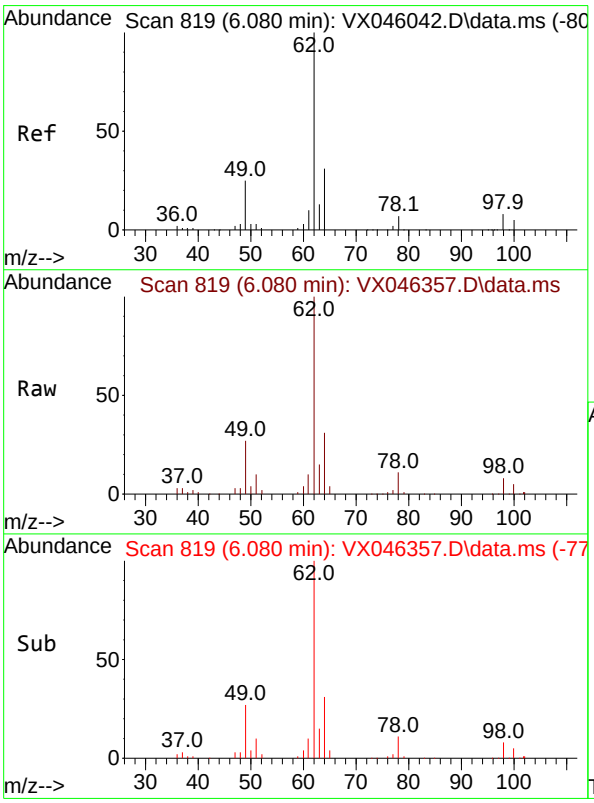

#41
Methacrylonitrile
Concen: 64.894 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 54334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.8 | 47.2 | 70.8 |
| 67 | 62.8 | 50.7 | 76.1 |
| 52 | 30.6 | 24.6 | 37.0 |

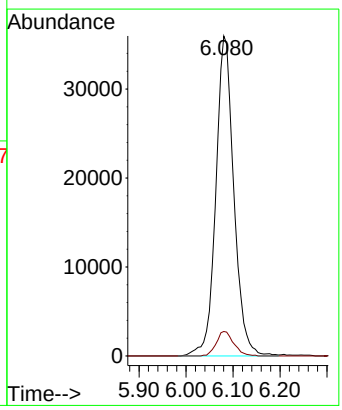


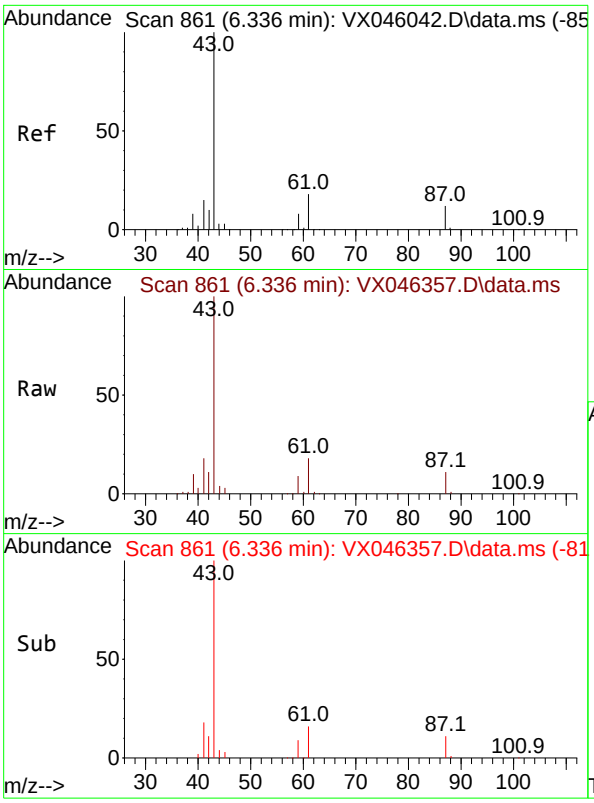




#42
1,2-Dichloroethane
Concen: 58.585 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 62 Resp: 95945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.4 | 0.0 | 15.2 |



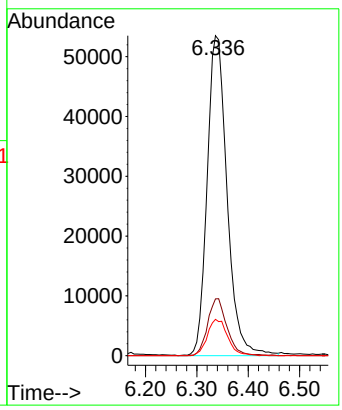


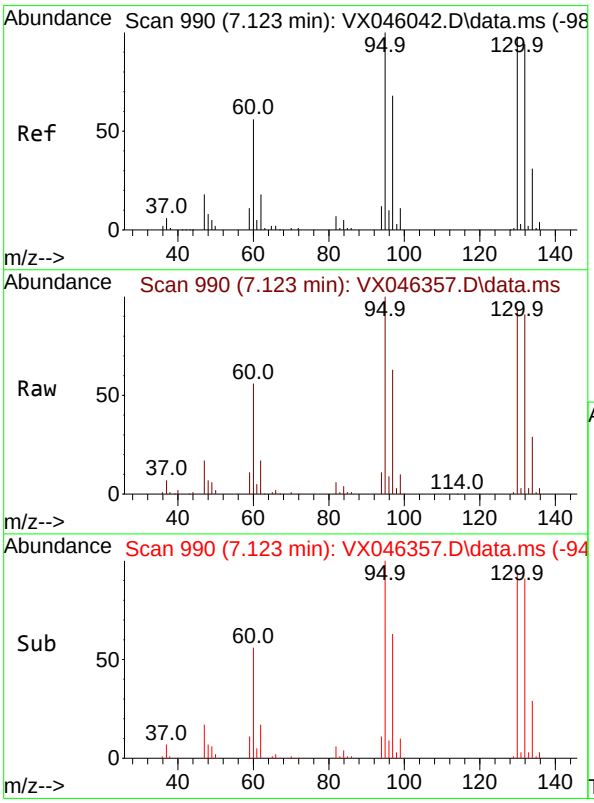

#43
Isopropyl Acetate
Concen: 59.095 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 144296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.4 | 14.3 | 21.5 |
| 87 | 11.5 | 9.5 | 14.3 |

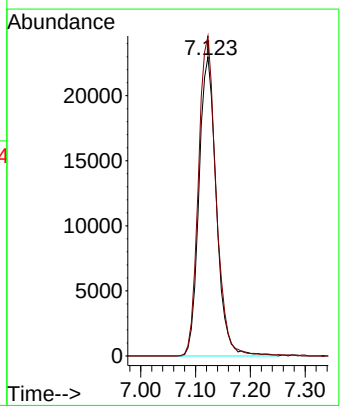


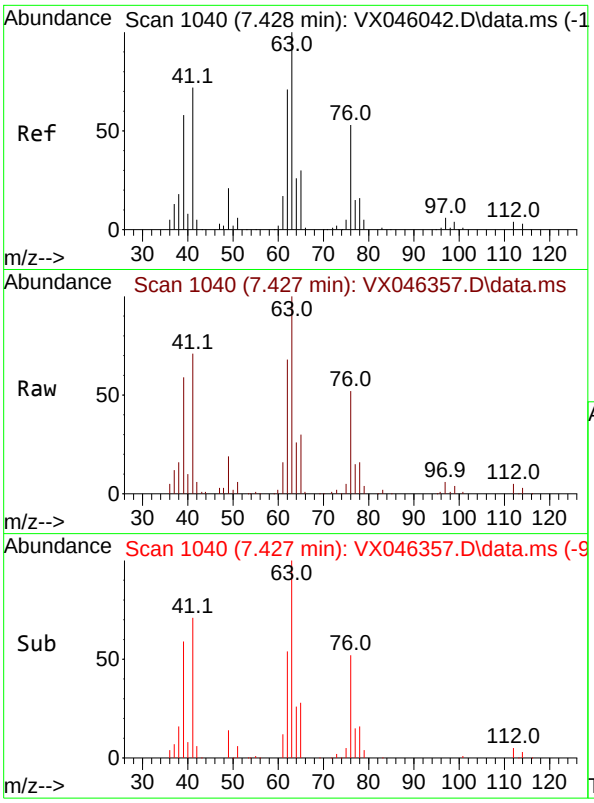




#44
Trichloroethene
Concen: 55.577 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:130 Resp: 50758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 106.9 | 0.0 | 204.2 |



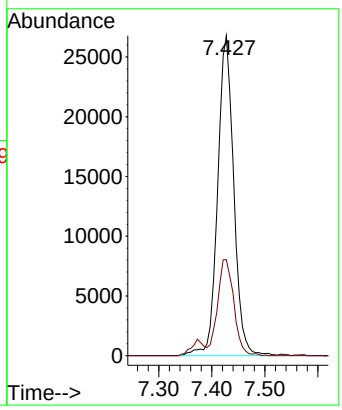


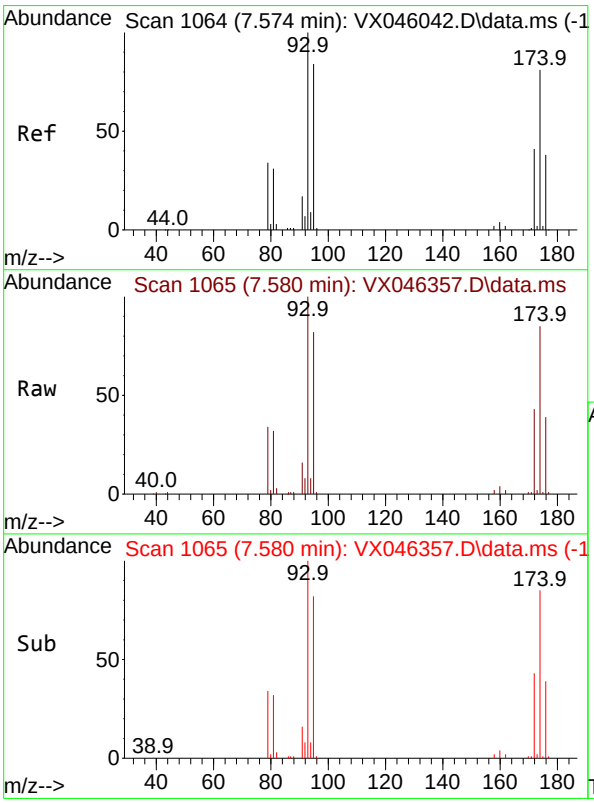

#45
1,2-Dichloropropane
Concen: 59.869 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 56489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.0 | 24.1 | 36.1 |

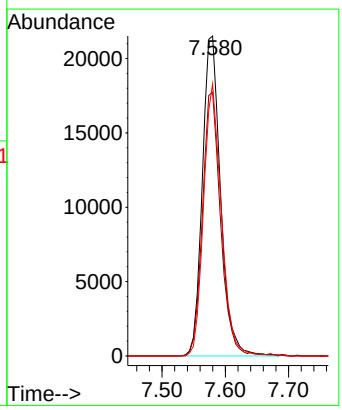


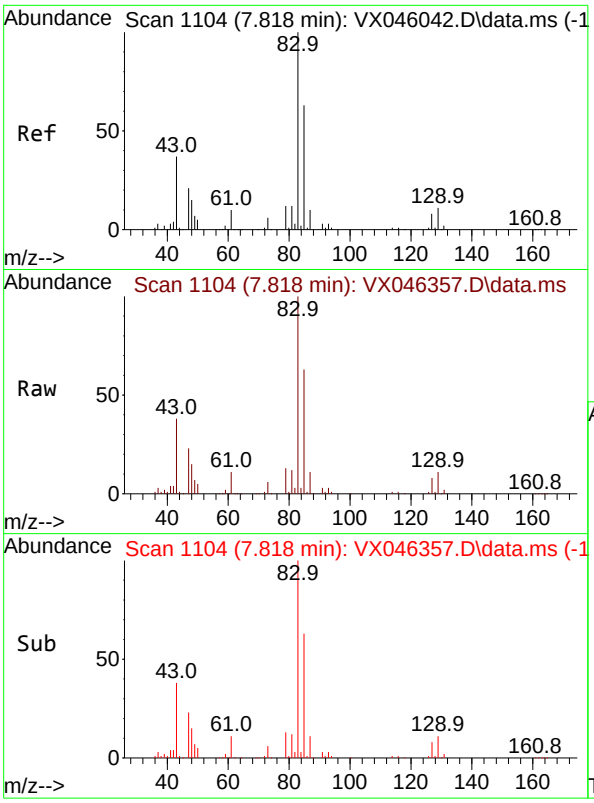




#46
Dibromomethane
Concen: 57.908 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 93 Resp: 43094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.5 | 65.6 | 98.4 |
| 174 | 83.1 | 68.2 | 102.2 |



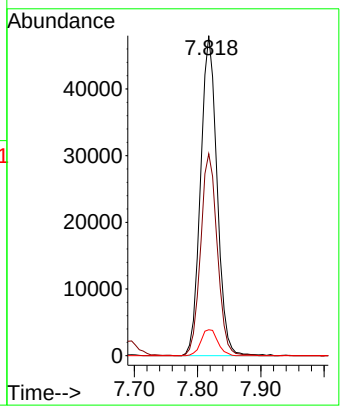


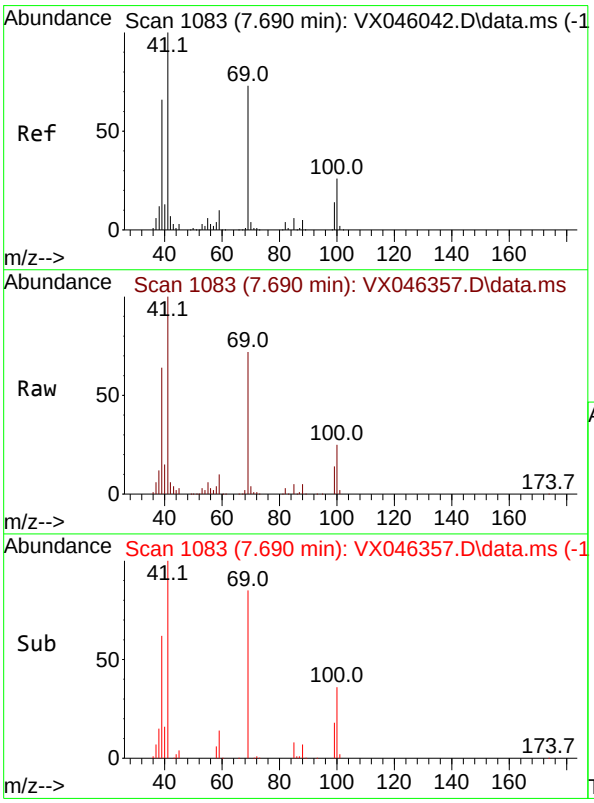

#47
Bromodichloromethane
Concen: 59.530 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 87255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 50.5 | 75.7 |
| 127 | 8.1 | 6.5 | 9.7 |

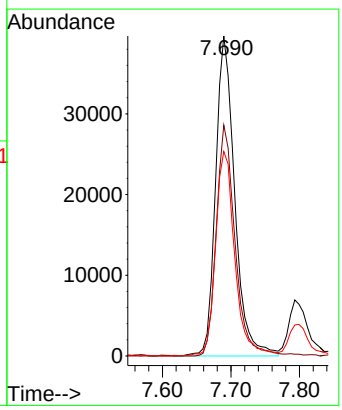


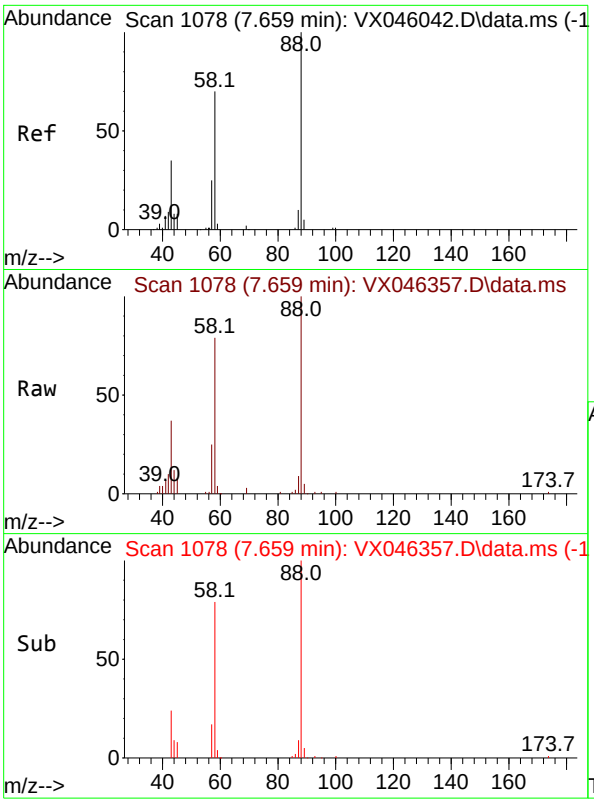




#48
Methyl methacrylate
Concen: 61.388 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 41 Resp: 76552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 71.3 | 58.5 | 87.7 |
| 39 | 64.4 | 51.7 | 77.5 |



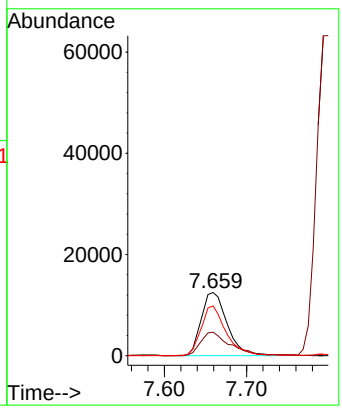


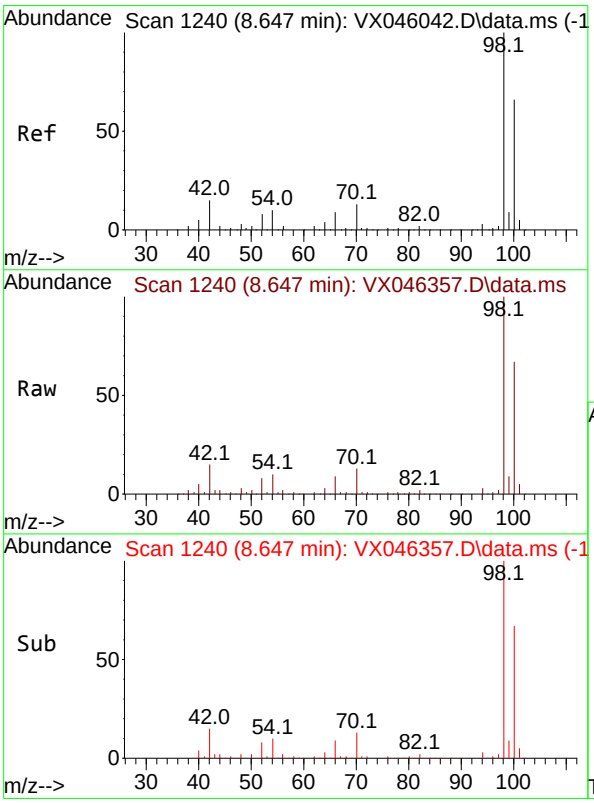

#49
1,4-Dioxane
Concen: 1156.492 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 27383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 42.8 | 33.4 | 50.2 |
| 58 | 76.3 | 58.6 | 88.0 |

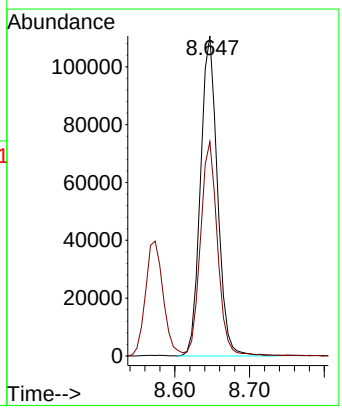


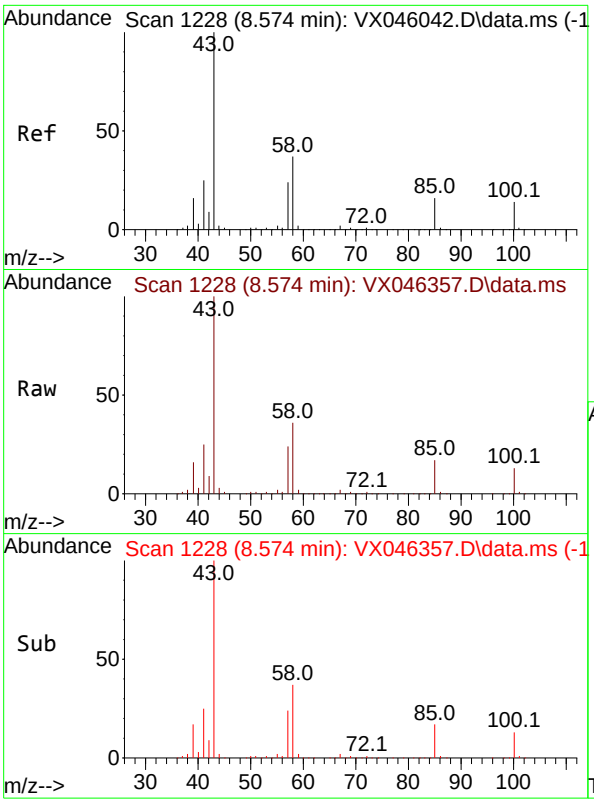




#50
Toluene-d8
Concen: 52.406 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 98 Resp: 174887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.5 | 53.5 | 80.3 |



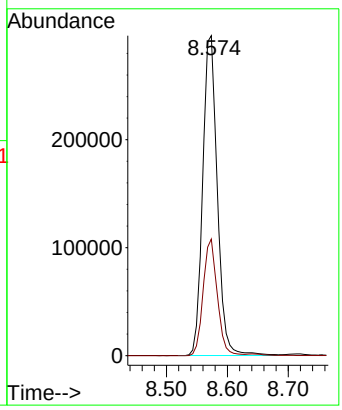


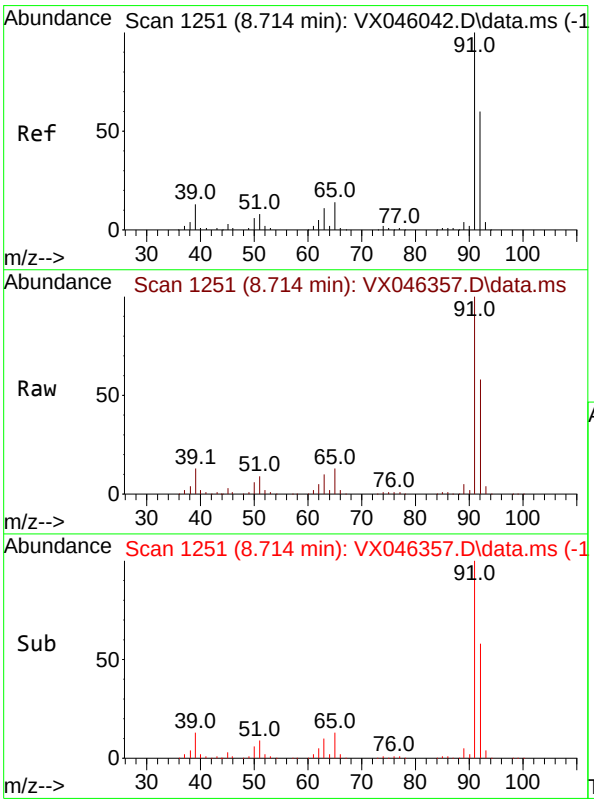

#51
4-Methyl-2-Pentanone
Concen: 305.280 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 494800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.3 | 28.9 | 43.3 |

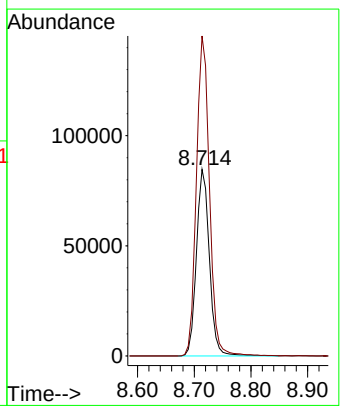


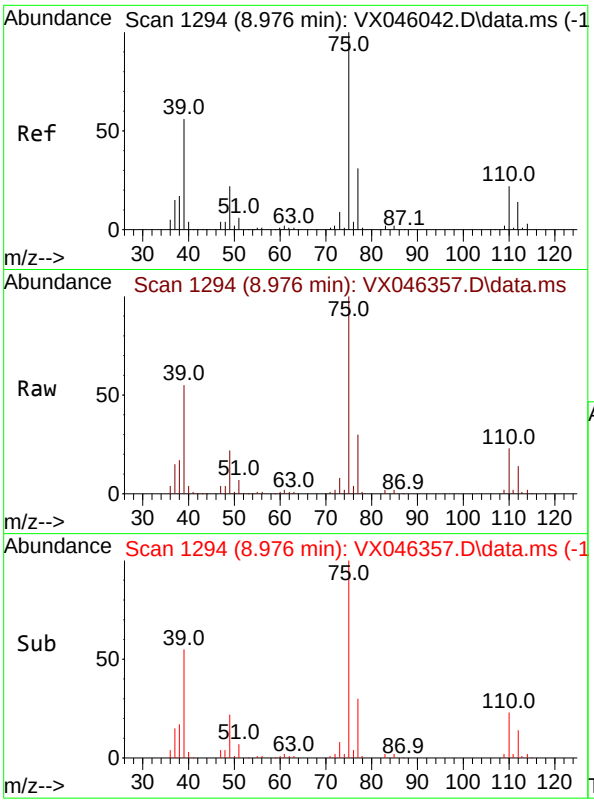




#52
Toluene
Concen: 57.742 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 92 Resp: 134352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.8 | 136.6 | 205.0 |



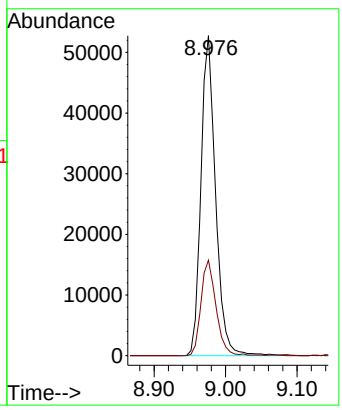


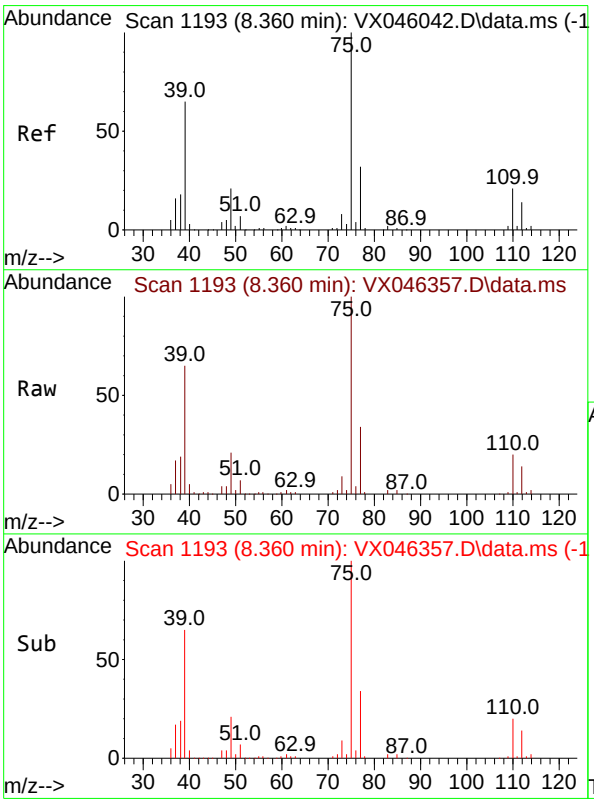

#53
t-1,3-Dichloropropene
Concen: 57.441 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 74835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.8 | 25.0 | 37.6 |

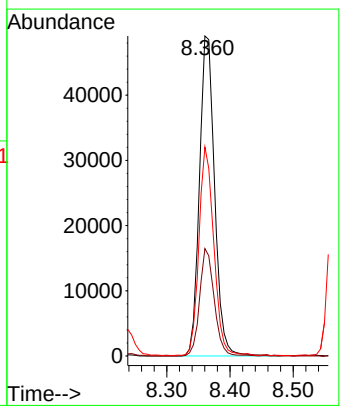


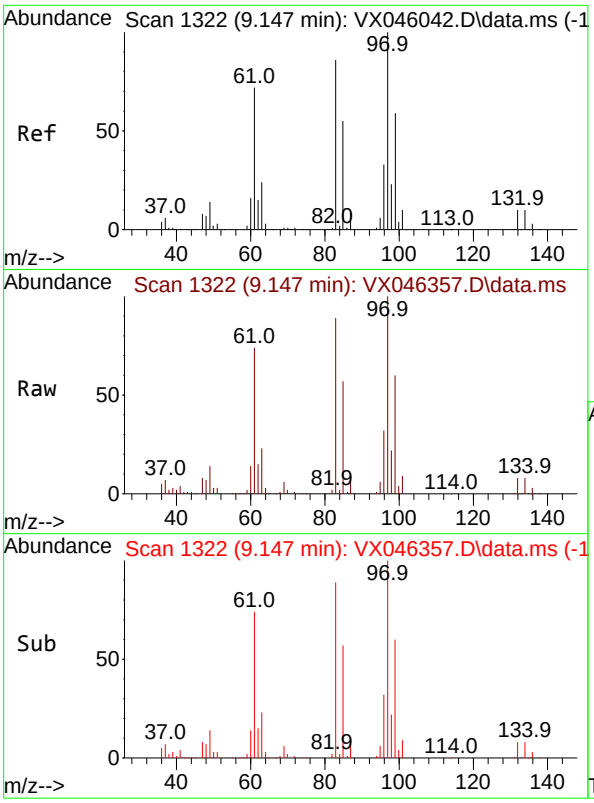




#54
cis-1,3-Dichloropropene
Concen: 57.117 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 75 Resp: 82245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.6 | 25.4 | 38.0 |
| 39 | 65.1 | 52.2 | 78.4 |



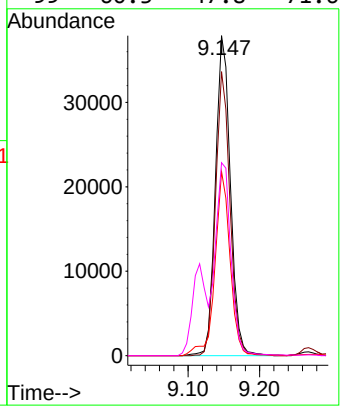


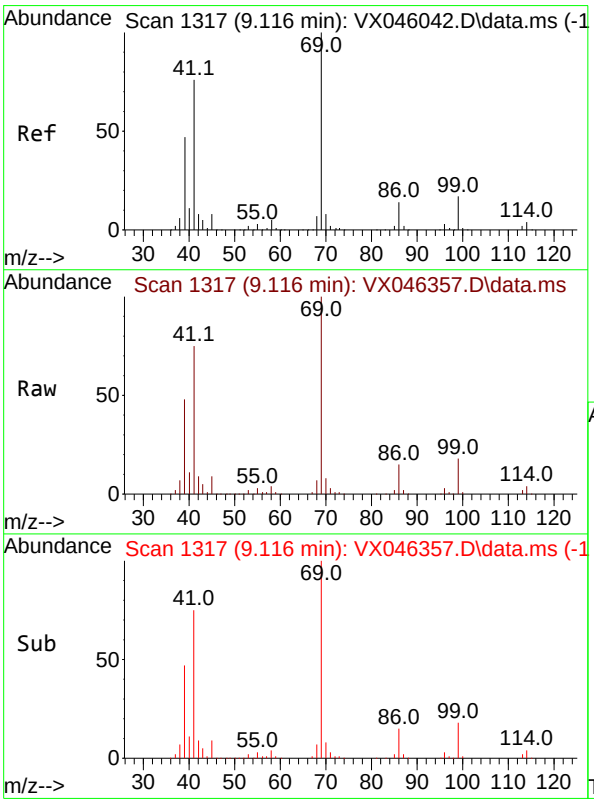

#55
1,1,2-Trichloroethane
Concen: 60.037 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 55081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.7 | 69.0 | 103.6 |
| 85 | 57.5 | 44.3 | 66.5 |
| 99 | 60.3 | 47.8 | 71.6 |

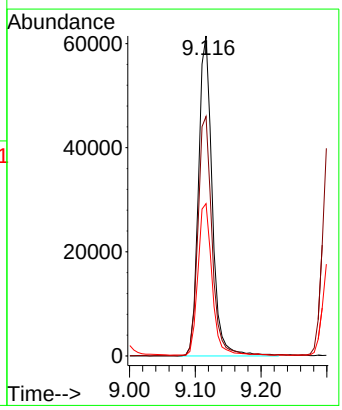


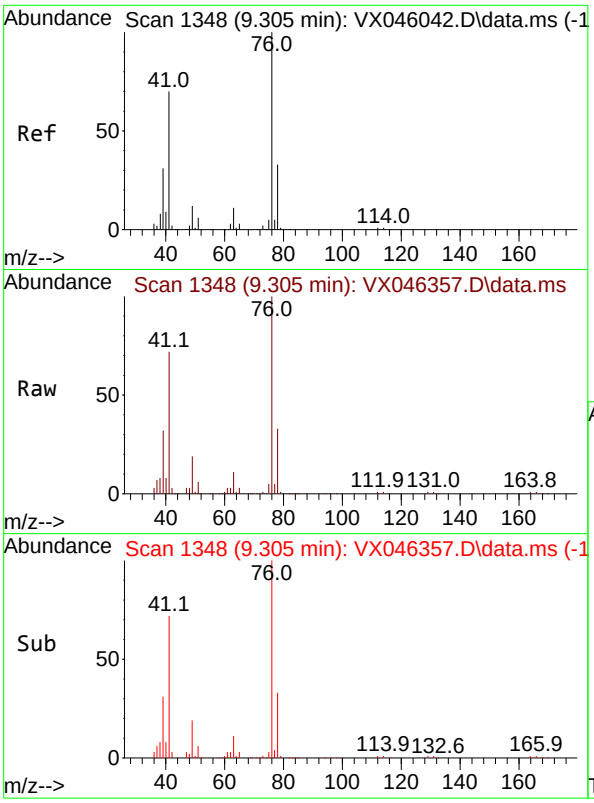




#56
Ethyl methacrylate
Concen: 61.050 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 69 Resp: 89269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 77.1 | 60.8 | 91.2 |
| 39 | 48.8 | 39.0 | 58.6 |



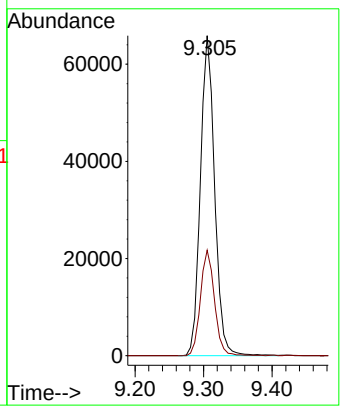


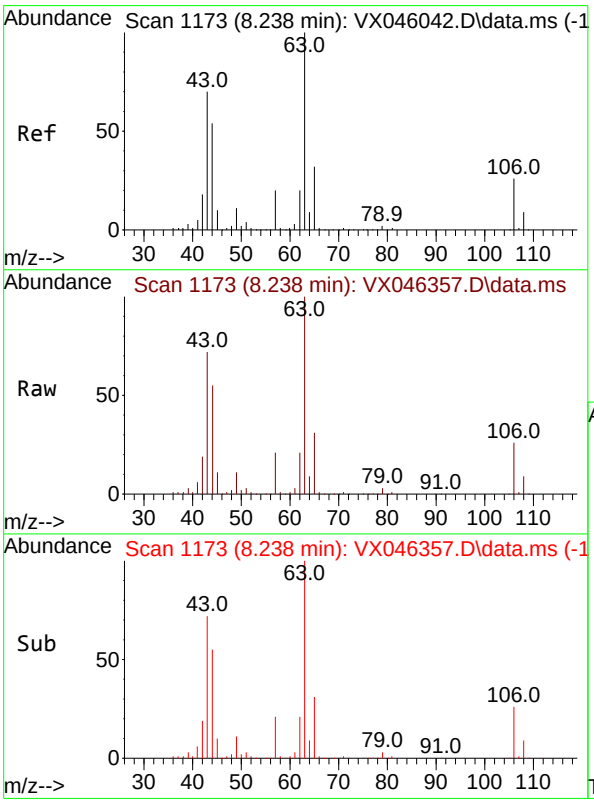

#57
1,3-Dichloropropane
Concen: 57.929 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 95448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.5 | 26.3 | 39.5 |

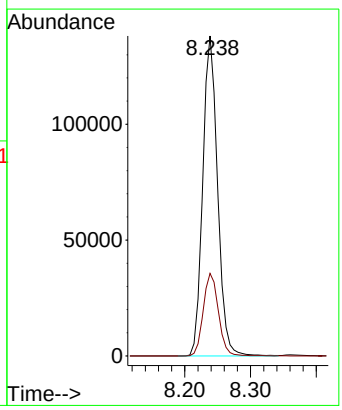


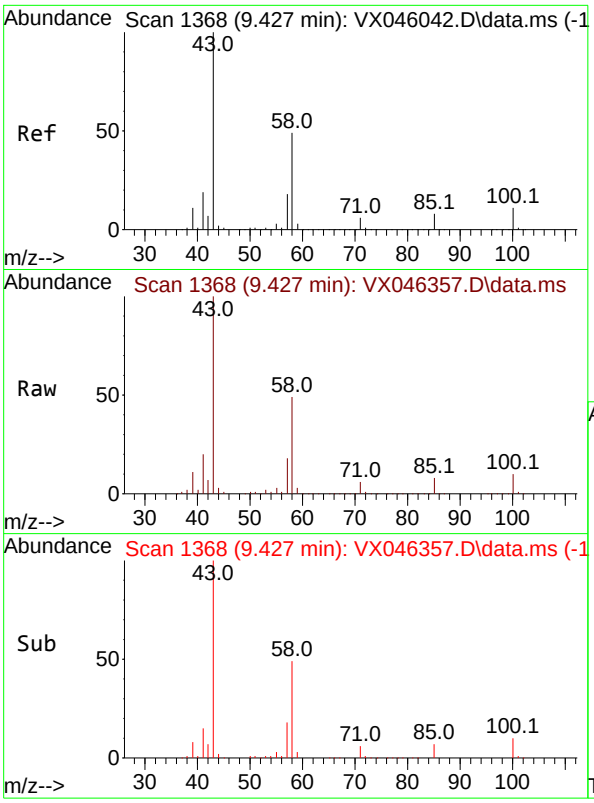




#58
2-Chloroethyl Vinyl ether
Concen: 290.480 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 63 Resp: 216543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.4 | 21.5 | 32.3 |



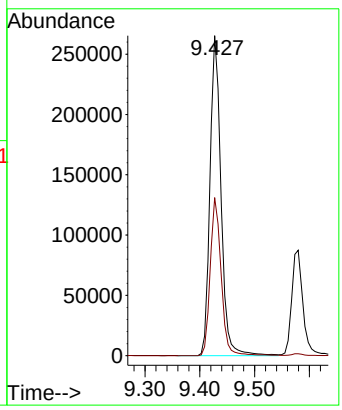


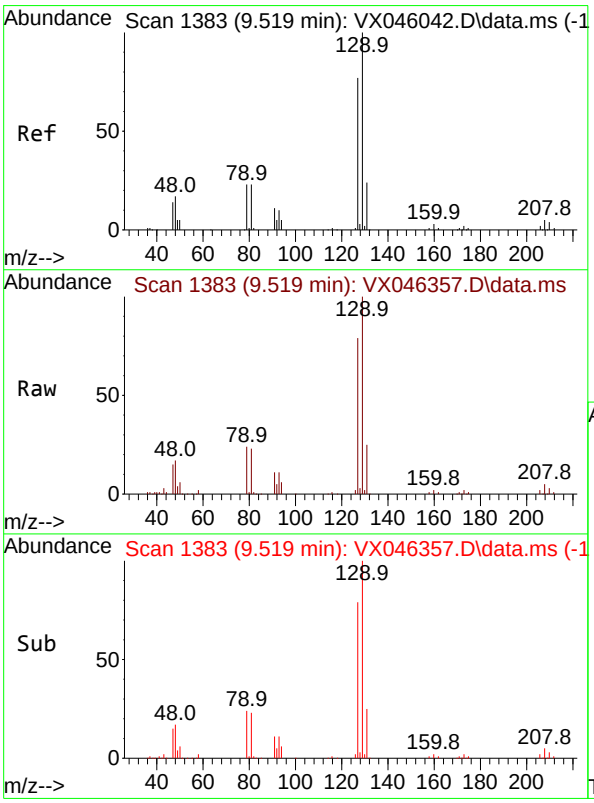

#59
2-Hexanone
Concen: 307.441 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 368660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.1 | 24.9 | 74.6 |

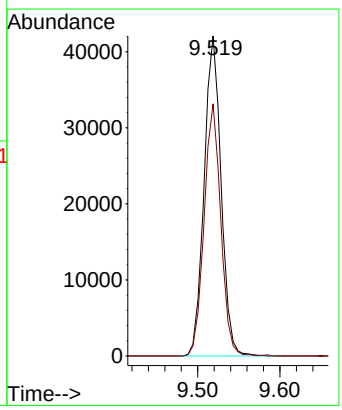


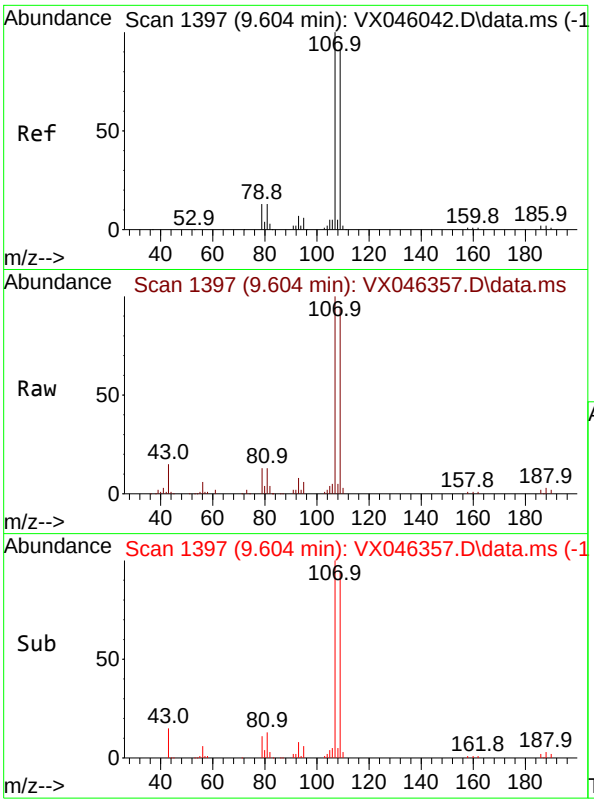




#60
Dibromochloromethane
Concen: 59.883 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:129 Resp: 60337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.3 | 39.3 | 117.8 |



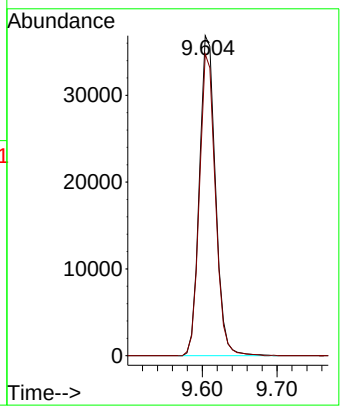


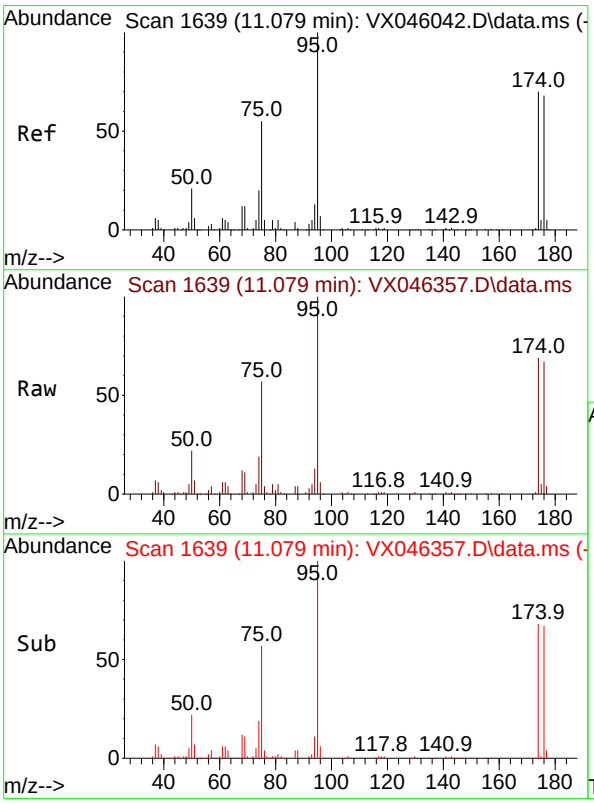

#61
1,2-Dibromoethane
Concen: 57.641 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 54964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 73.3 | 109.9 |

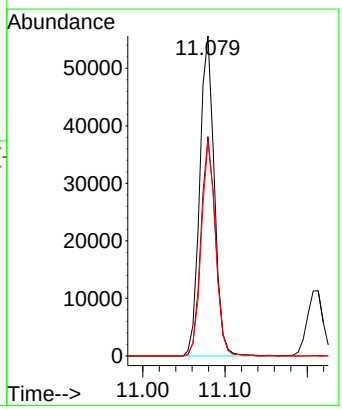


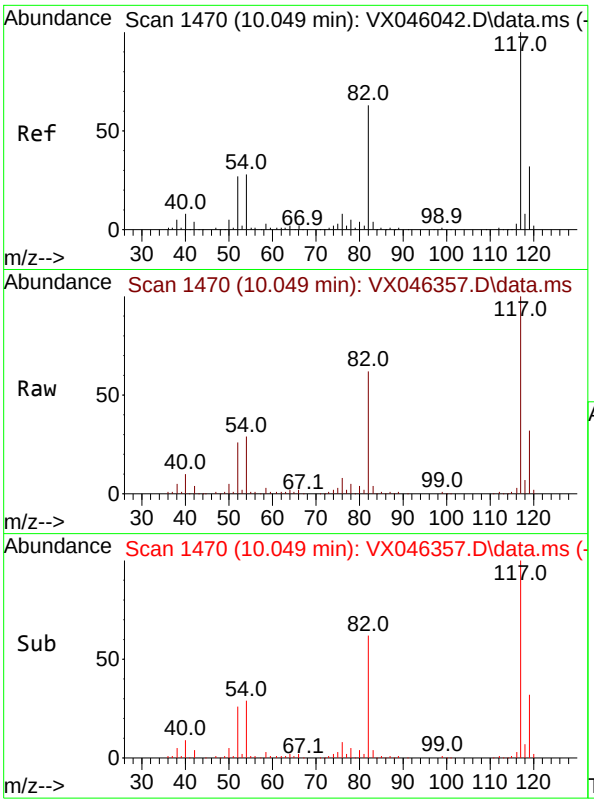




#62
4-Bromofluorobenzene
Concen: 53.512 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 95 Resp: 68500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 68.4 | 0.0 | 135.8 |
| 176 | 65.3 | 0.0 | 131.4 |



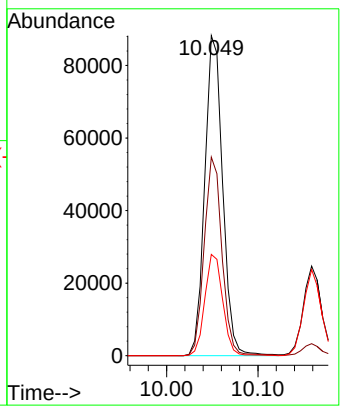


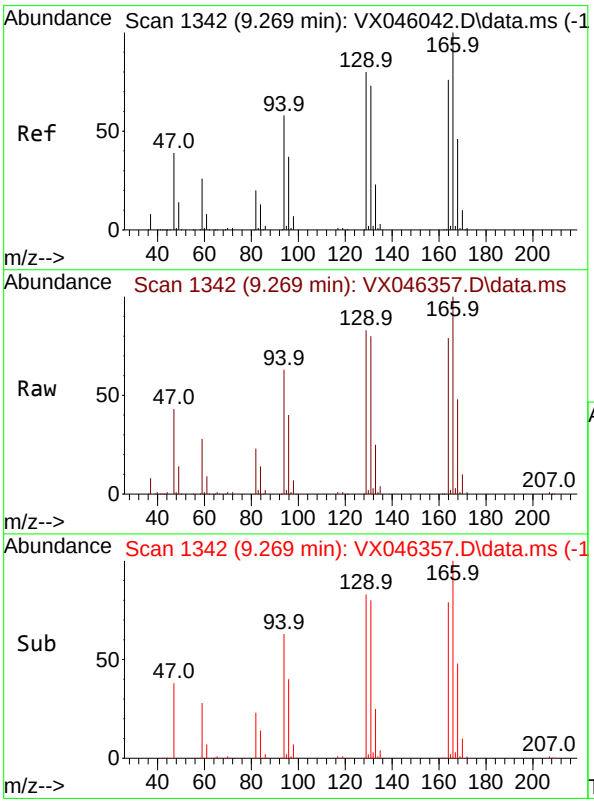

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 119793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 62.1 | 50.6 | 76.0 |
| 119 | 31.6 | 25.8 | 38.6 |

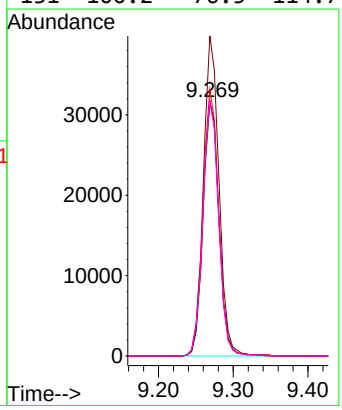


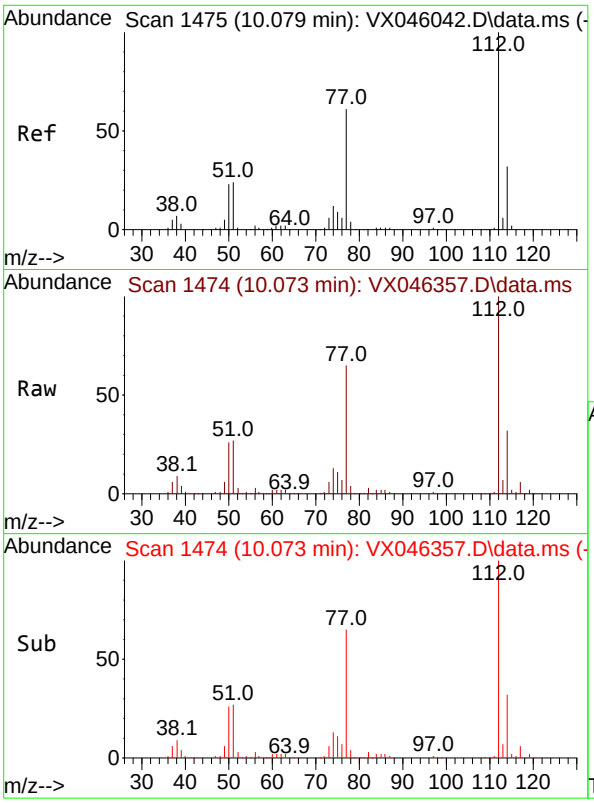




#64
Tetrachloroethene
Concen: 55.224 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:164 Resp: 46807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.8 | 105.0 | 157.6 |
| 129 | 104.8 | 83.5 | 125.3 |
| 131 | 100.2 | 76.5 | 114.7 |



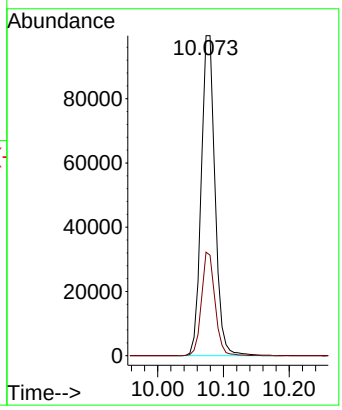


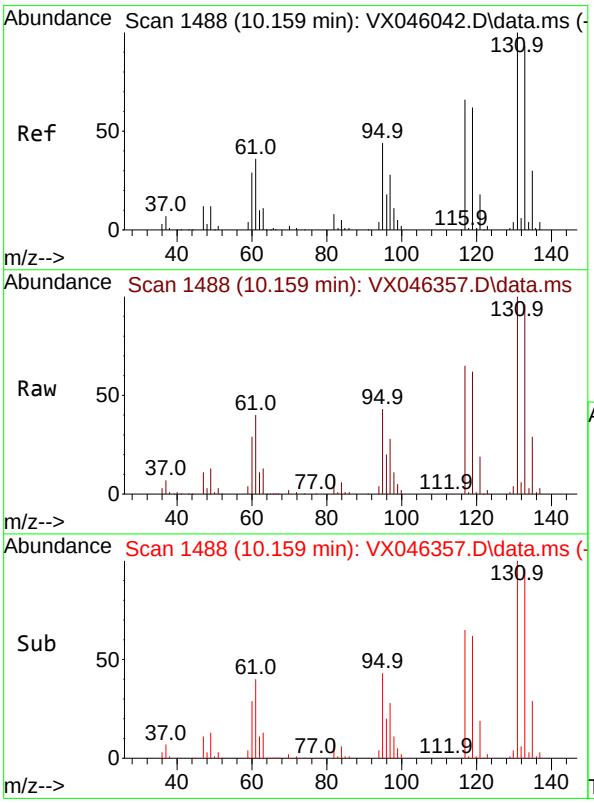

#65
Chlorobenzene
Concen: 55.532 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 145604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.4 | 25.4 | 38.2 |

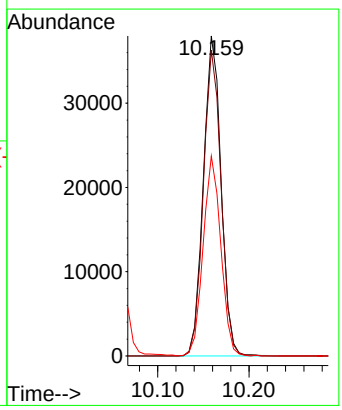


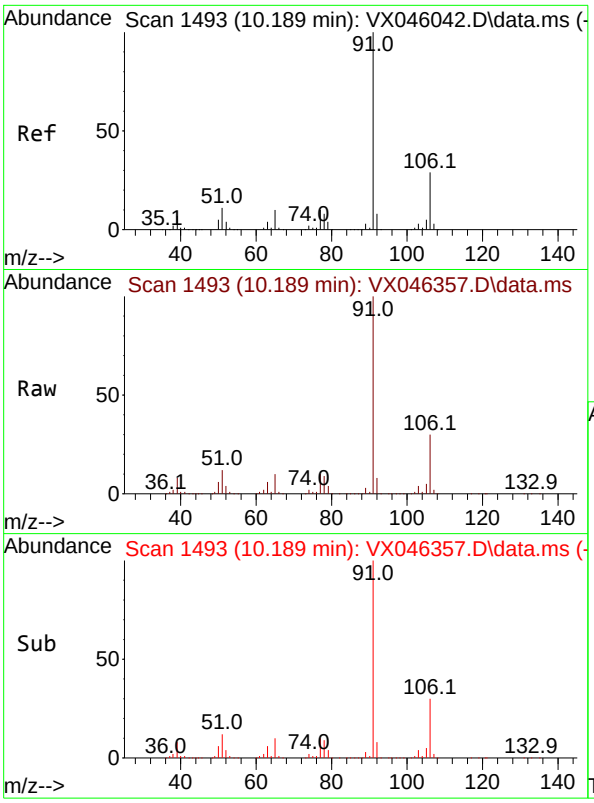




#66
1,1,1,2-Tetrachloroethane
Concen: 56.915 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:131 Resp: 50957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.6 | 47.3 | 141.9 |
| 119 | 62.5 | 31.6 | 95.0 |



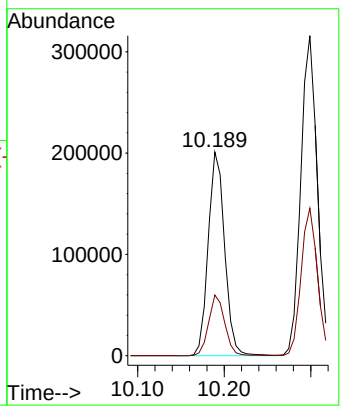


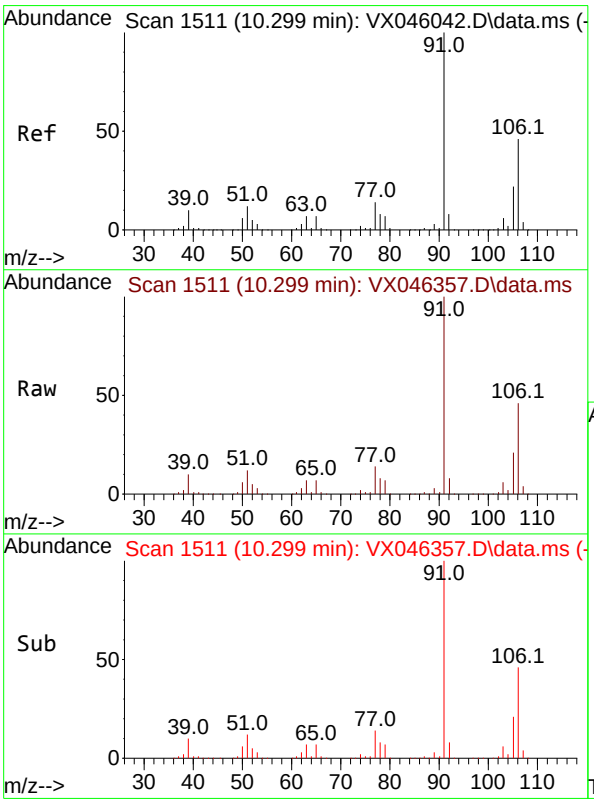

#67
Ethyl Benzene
Concen: 57.440 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 265477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.8 | 23.4 | 35.2 |

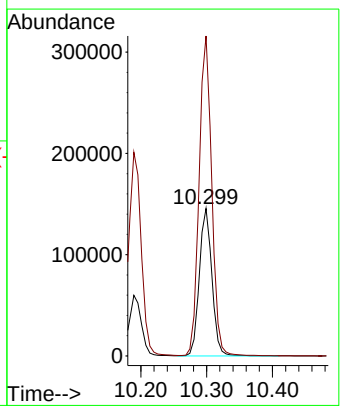


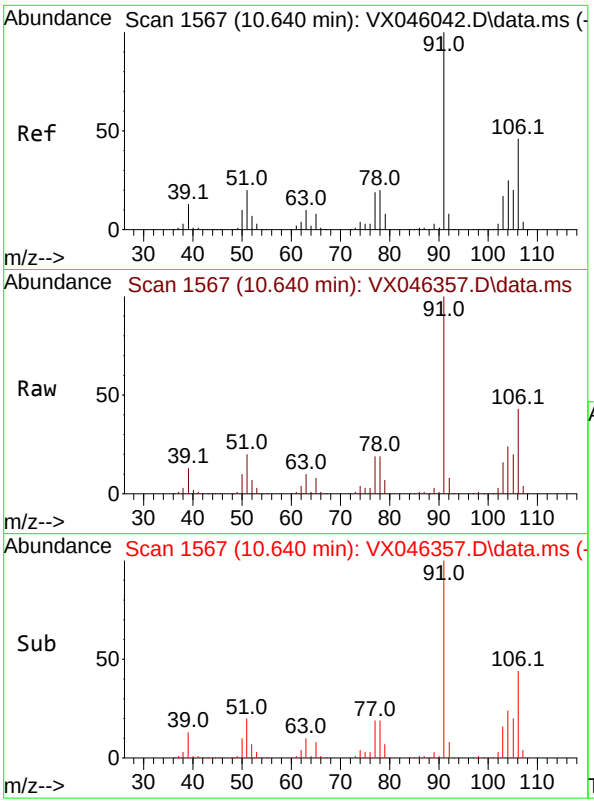




#68
m/p-Xylenes
Concen: 114.503 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:106 Resp: 193557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.9 | 171.2 | 256.8 |



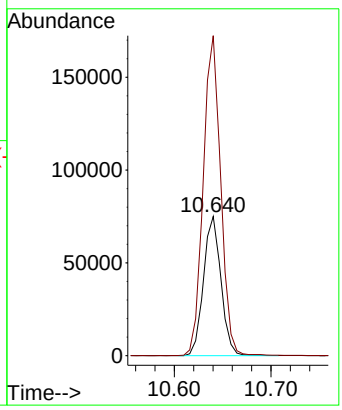


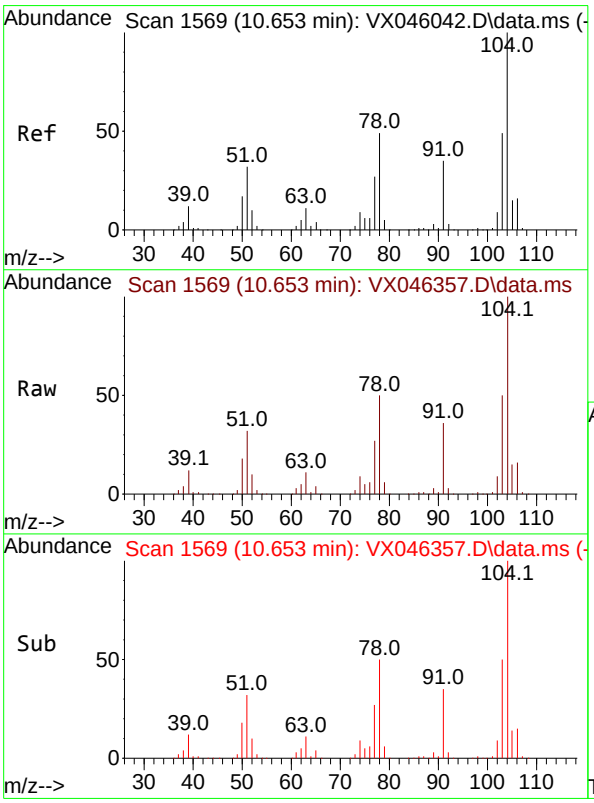

#69
o-Xylene
Concen: 57.235 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 94322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 231.0 | 112.7 | 338.1 |

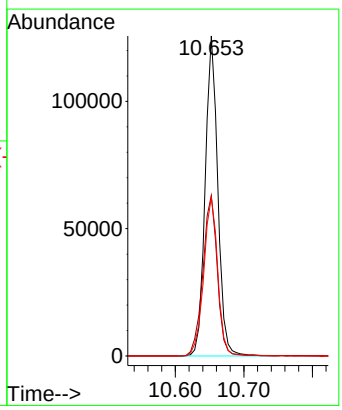


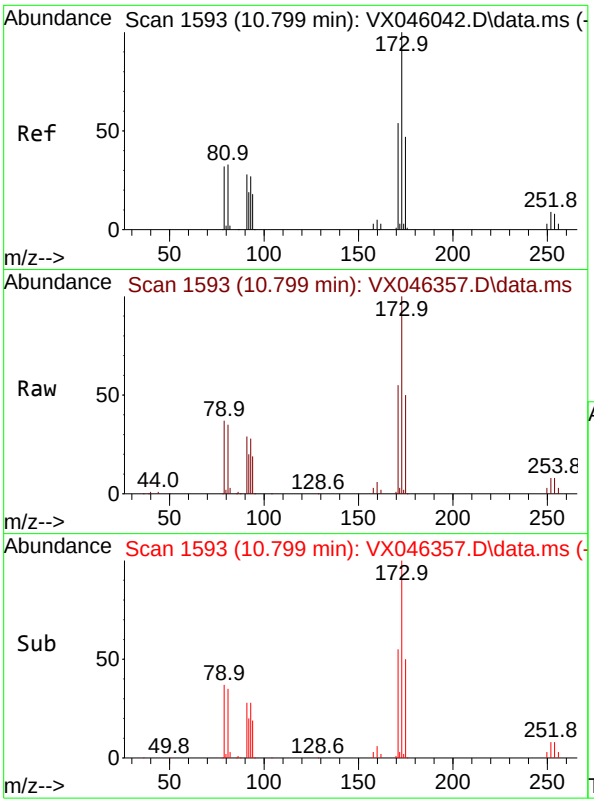




#70
Styrene
Concen: 59.760 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:104 Resp: 161327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 57.4 | 45.7 | 68.5 |
| 103 | 55.2 | 43.7 | 65.5 |



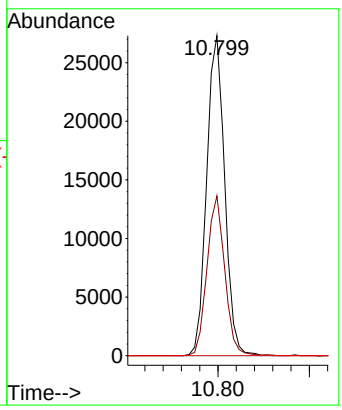


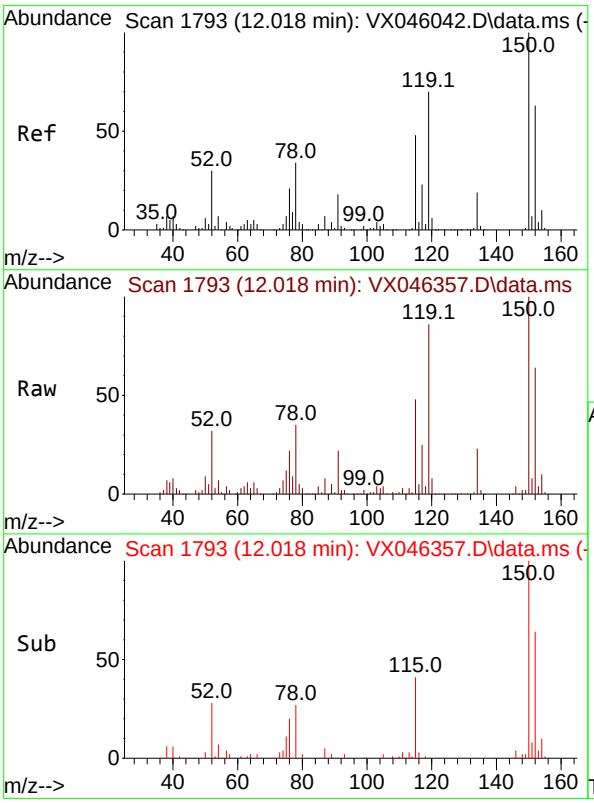

#71
Bromoform
Concen: 55.274 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 37155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.5 | 23.4 | 70.0 |
| 254 | 0.0 | 0.0 | 0.0 |

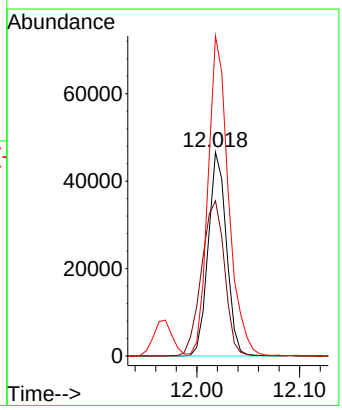


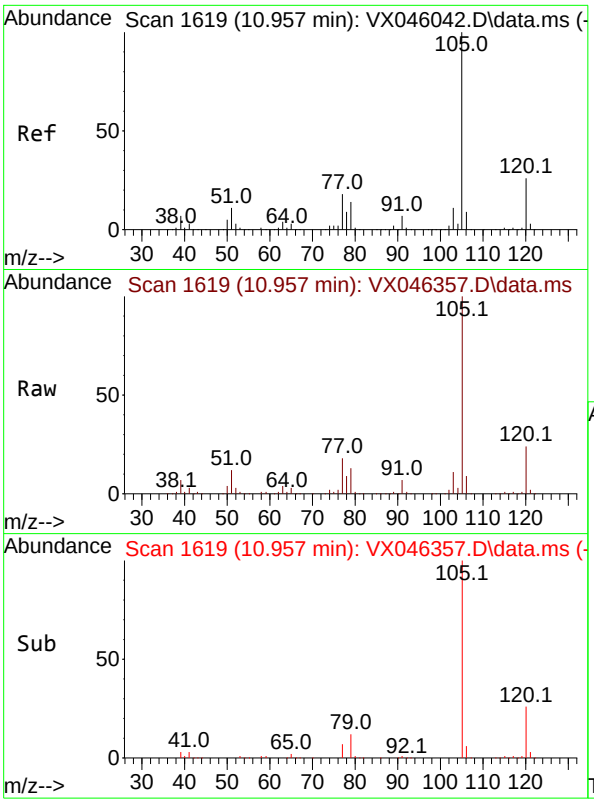




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:152 Resp: 57270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 96.6 | 46.9 | 140.7 |
| 150 | 175.6 | 0.0 | 351.0 |



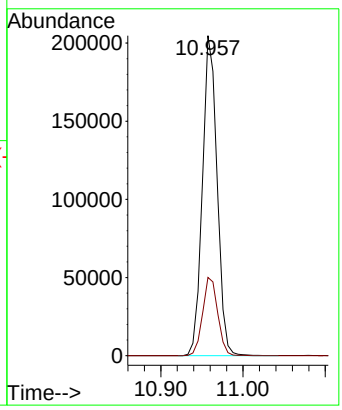


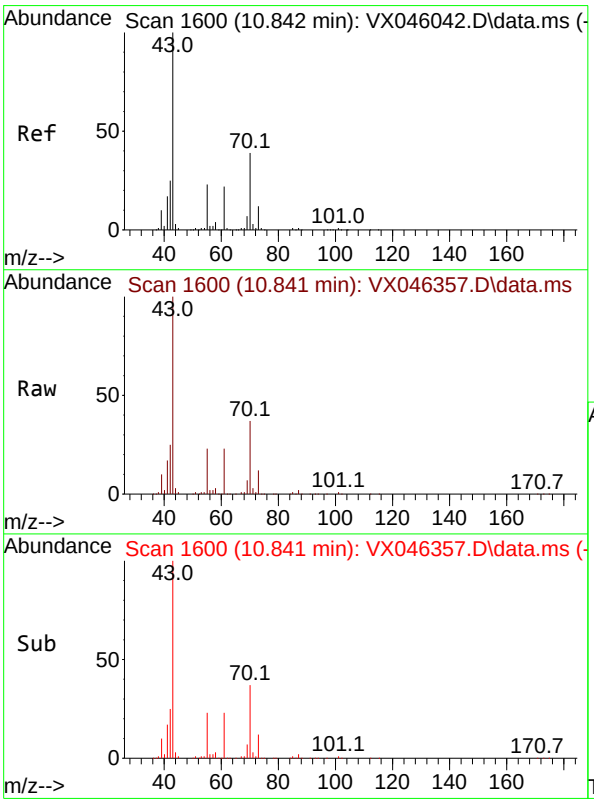

#73
Isopropylbenzene
Concen: 57.069 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 254450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.2 | 12.8 | 38.4 |

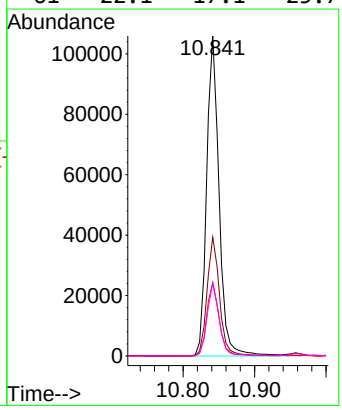


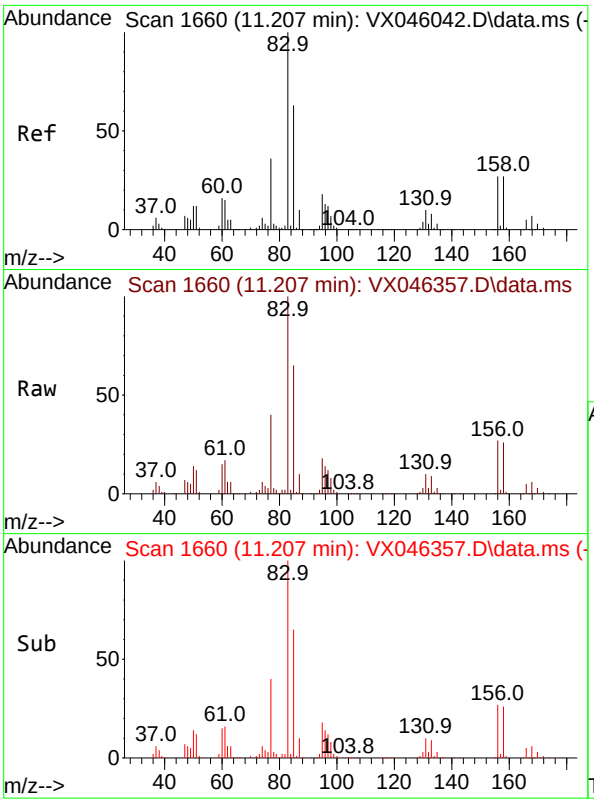




#74
N-amyl acetate
Concen: 57.930 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 43 Resp: 127633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 37.3 | 30.9 | 46.3 |
| 55 | 23.3 | 18.7 | 28.1 |
| 61 | 22.1 | 17.1 | 25.7 |



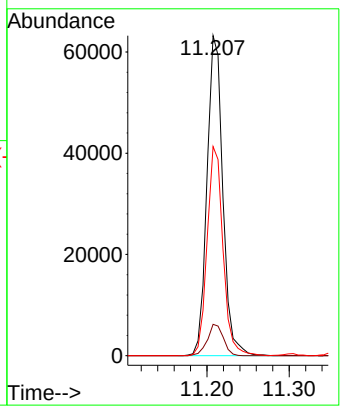


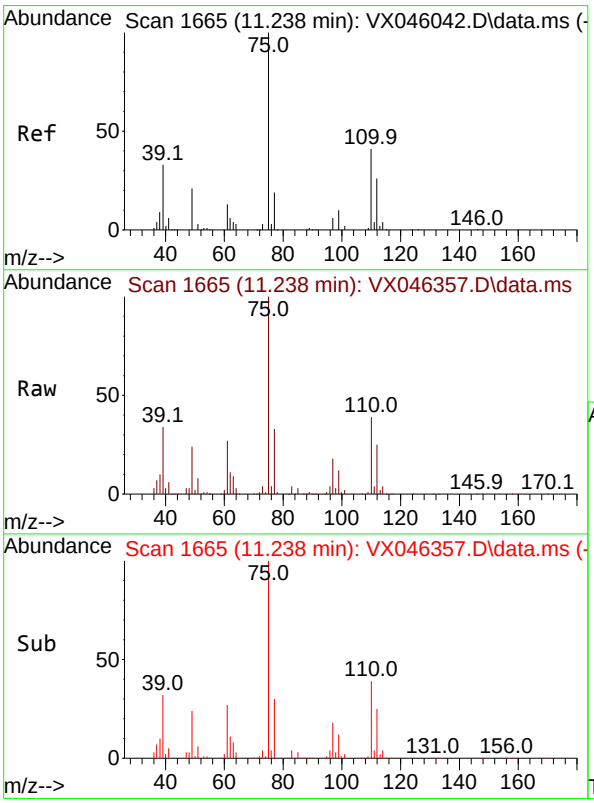

#75
1,1,2,2-Tetrachloroethane
Concen: 53.916 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 84242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.0 | 14.9 |
| 85 | 65.6 | 31.9 | 95.7 |

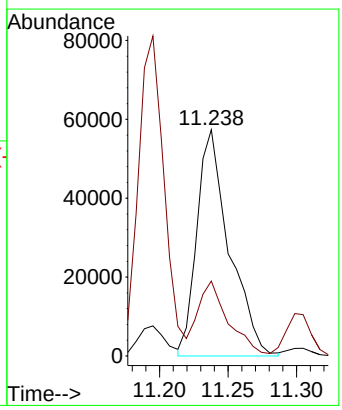


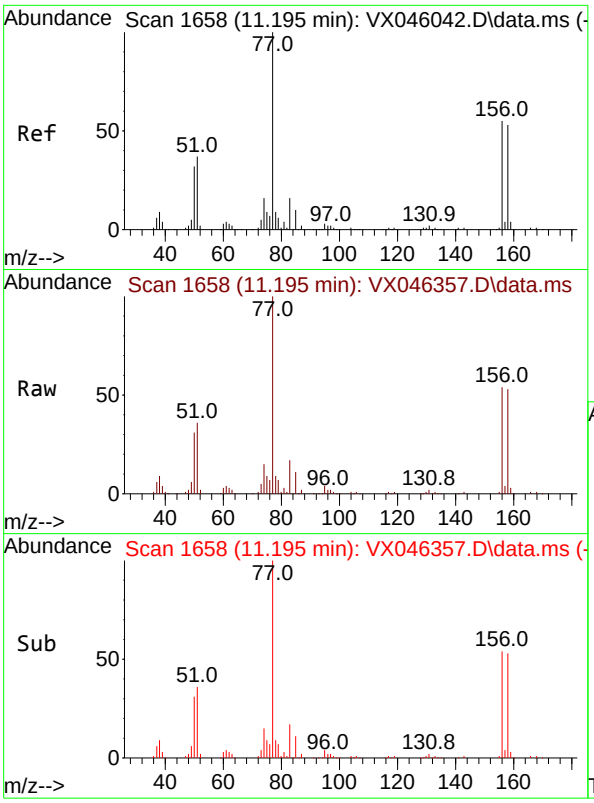




#76
1,2,3-Trichloropropane
Concen: 68.471 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 75 Resp: 94388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 20.5 | 61.5 |



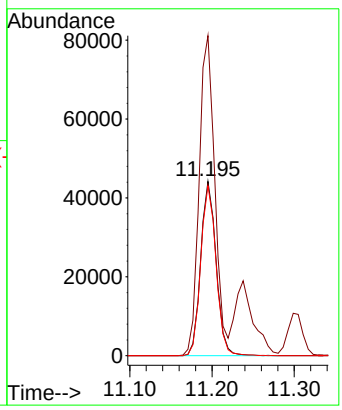


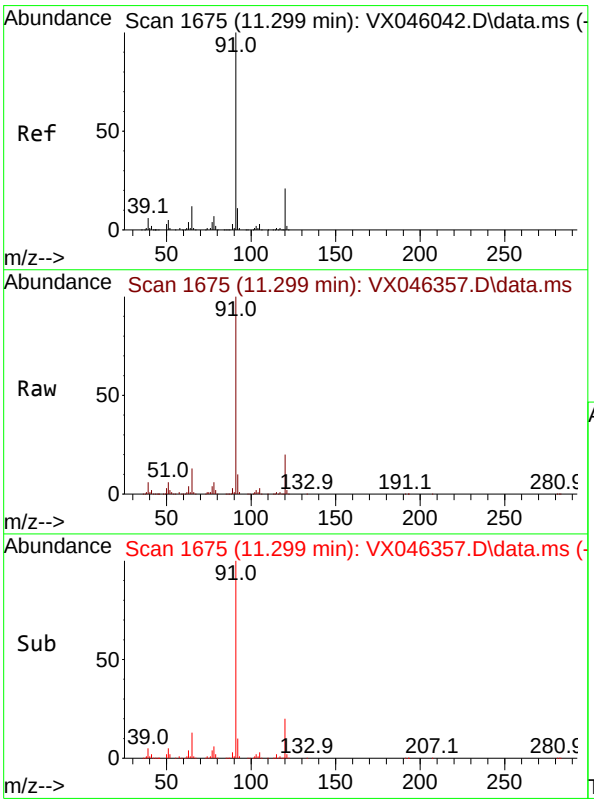

#77
Bromobenzene
Concen: 55.529 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 57480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 186.8 | 92.8 | 278.3 |
| 158 | 97.1 | 48.8 | 146.3 |

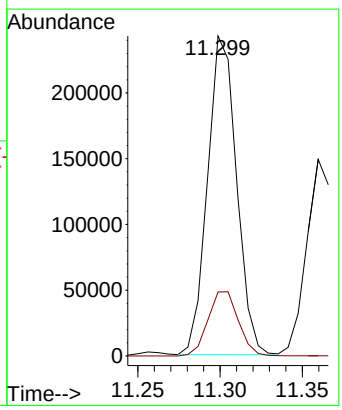


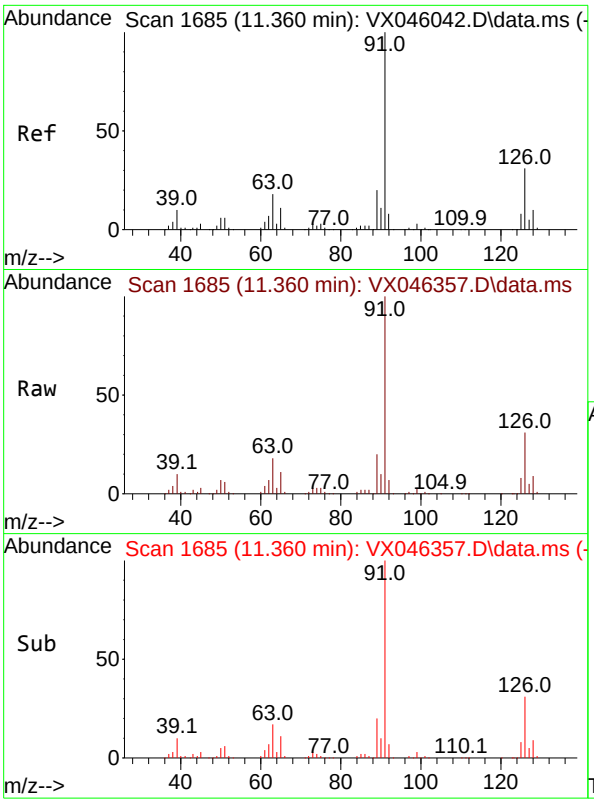




#78
n-propylbenzene
Concen: 57.482 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 91 Resp: 298001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.2 | 10.8 | 32.4 |



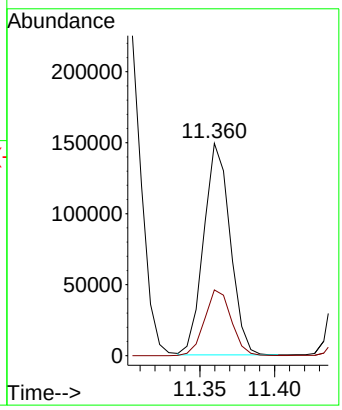


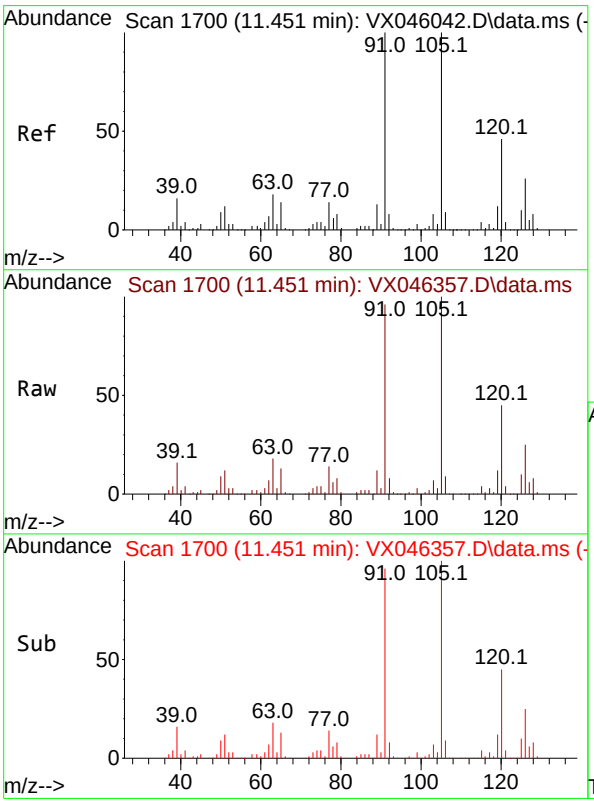

#79
2-Chlorotoluene
Concen: 54.791 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 183213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.5 | 15.6 | 46.7 |

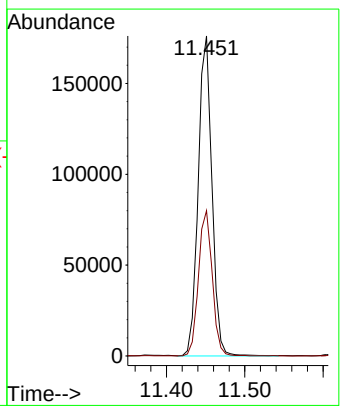


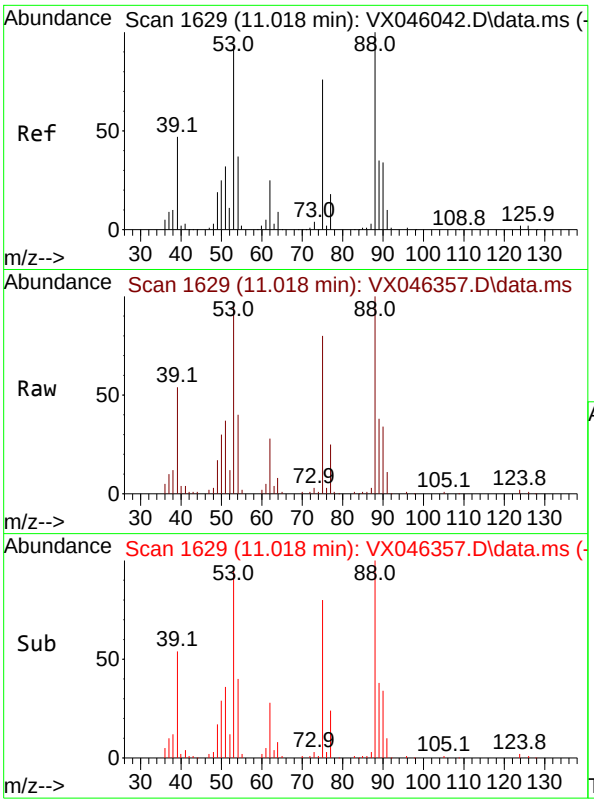




#80
1,3,5-Trimethylbenzene
Concen: 57.551 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:105 Resp: 214369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.5 | 23.1 | 69.2 |



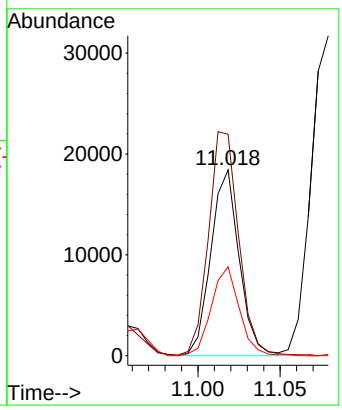


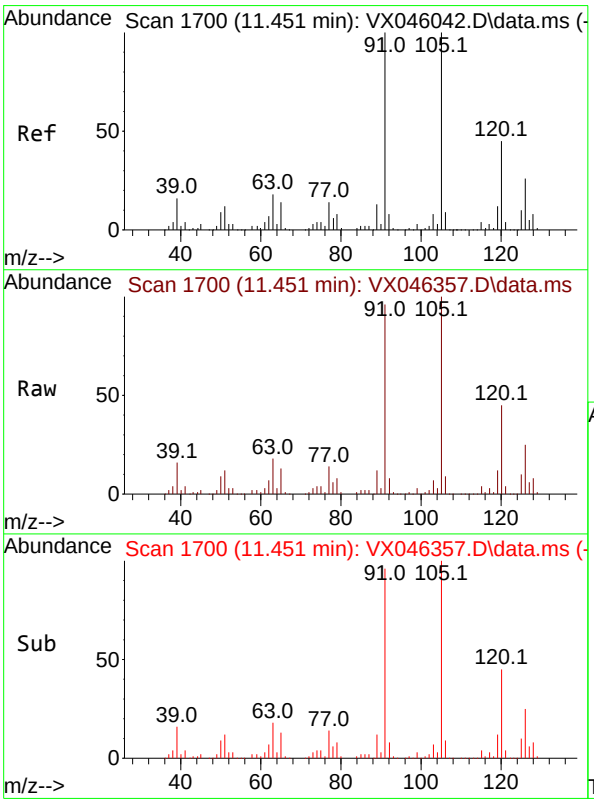

#81
trans-1,4-Dichloro-2-butene
Concen: 52.265 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 22130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 128.1 | 100.5 | 150.7 |
| 89 | 47.0 | 37.0 | 55.6 |

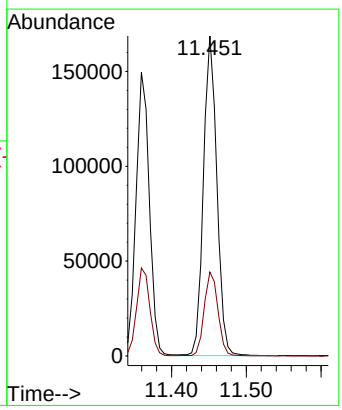


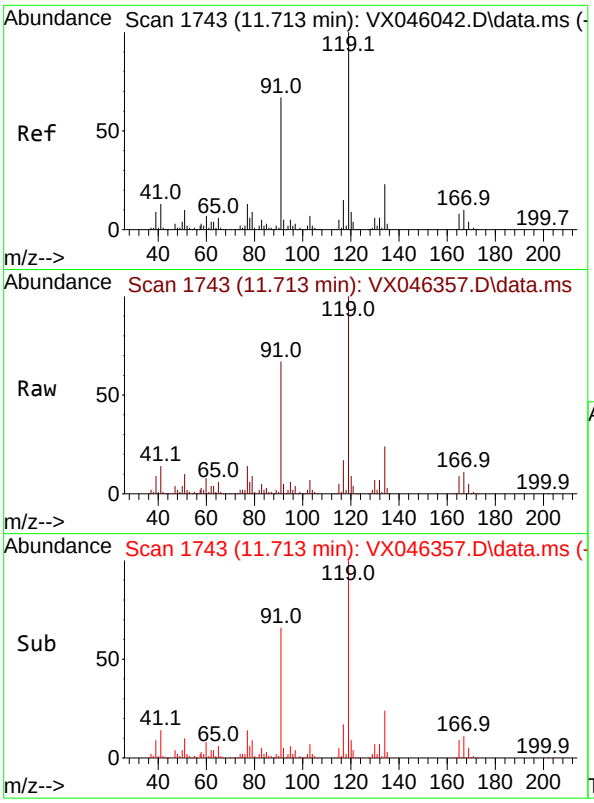




#82
4-Chlorotoluene
Concen: 56.611 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 91 Resp: 209928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.9 | 13.3 | 39.8 |



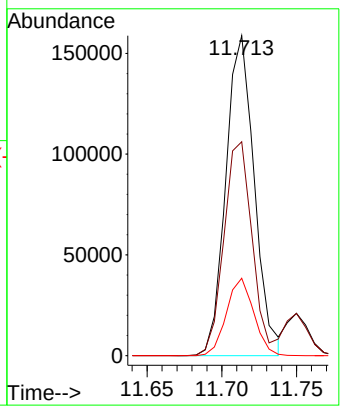


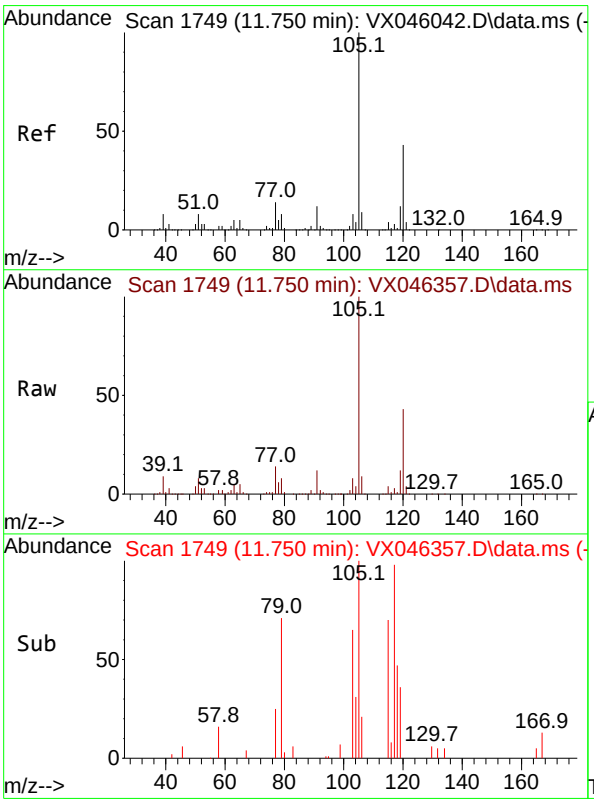

#83
tert-Butylbenzene
Concen: 56.156 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 210698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.7 | 32.9 | 98.7 |
| 134 | 23.2 | 11.4 | 34.1 |

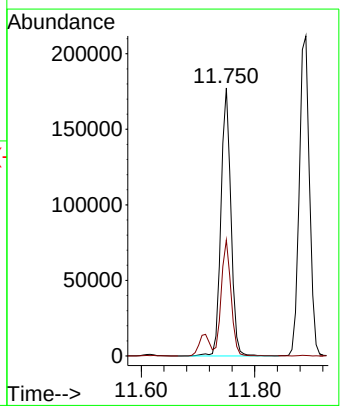


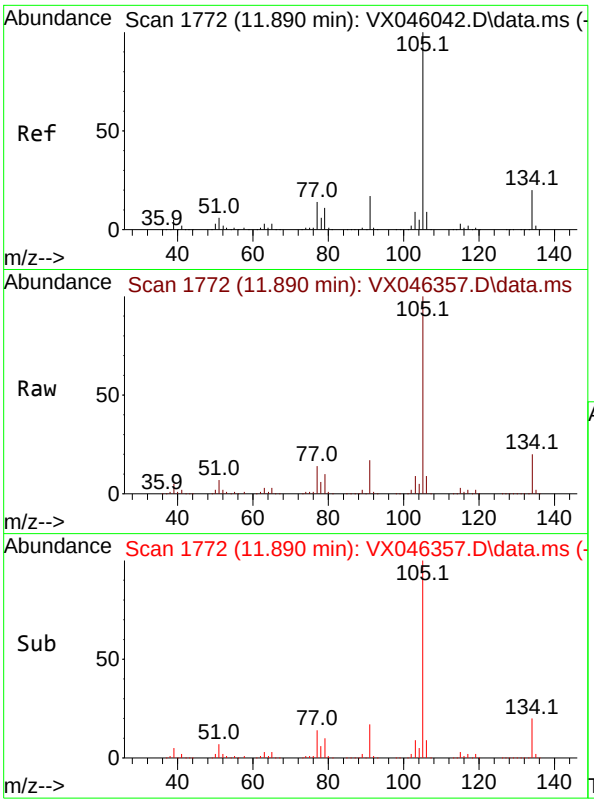




#84
1,2,4-Trimethylbenzene
Concen: 57.033 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:105 Resp: 215135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.4 | 21.2 | 63.6 |



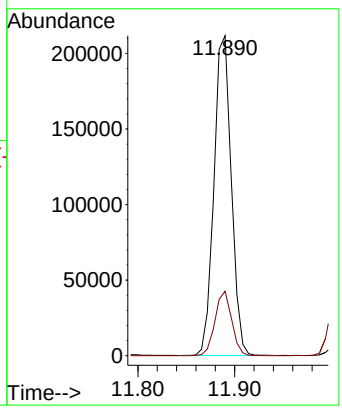


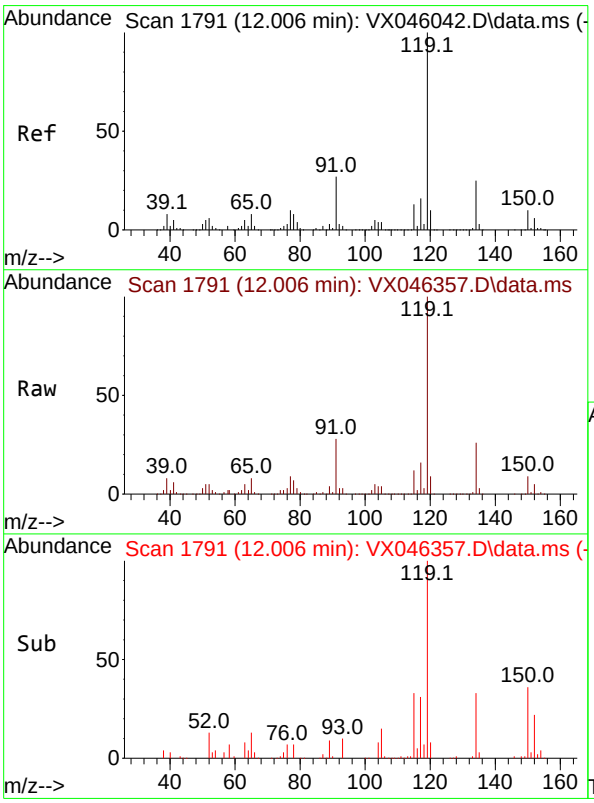

#85
sec-Butylbenzene
Concen: 57.092 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 263013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.7 | 29.1 |

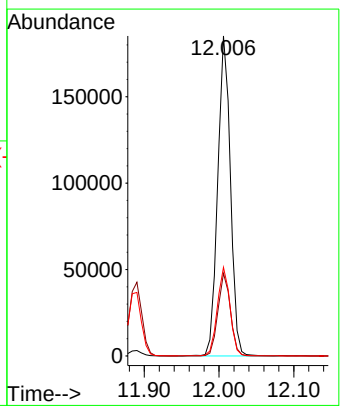


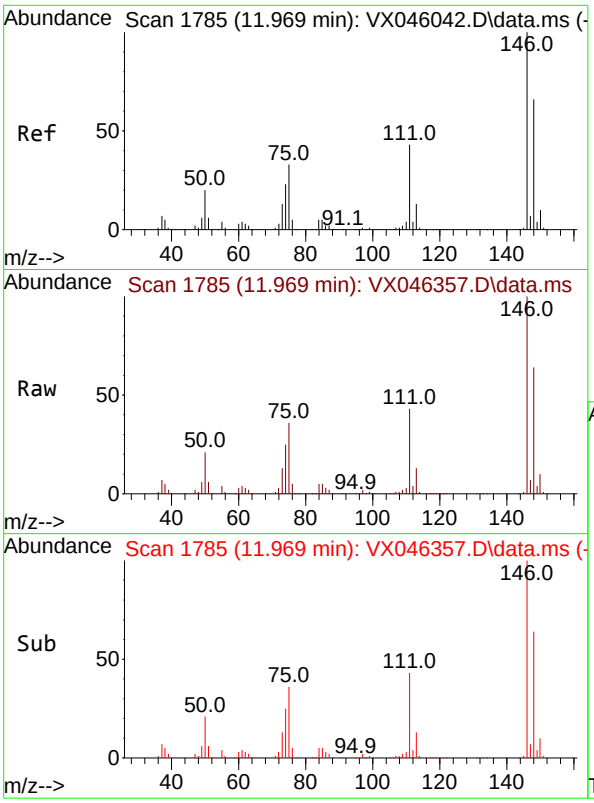




#86
p-Isopropyltoluene
Concen: 57.375 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:119 Resp: 218175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.4 | 12.5 | 37.5 |
| 91 | 27.5 | 13.8 | 41.4 |



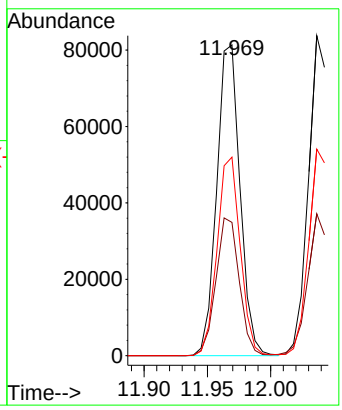


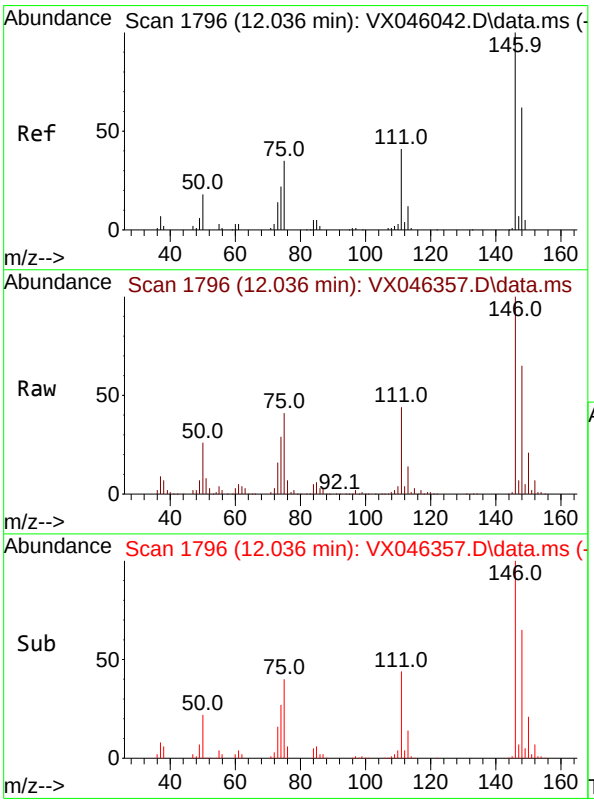

#87
1,3-Dichlorobenzene
Concen: 55.082 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 104059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.5 | 22.1 | 66.3 |
| 148 | 63.6 | 32.1 | 96.5 |

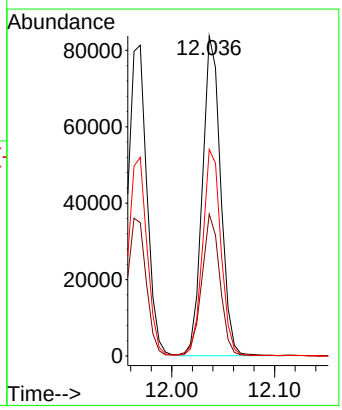


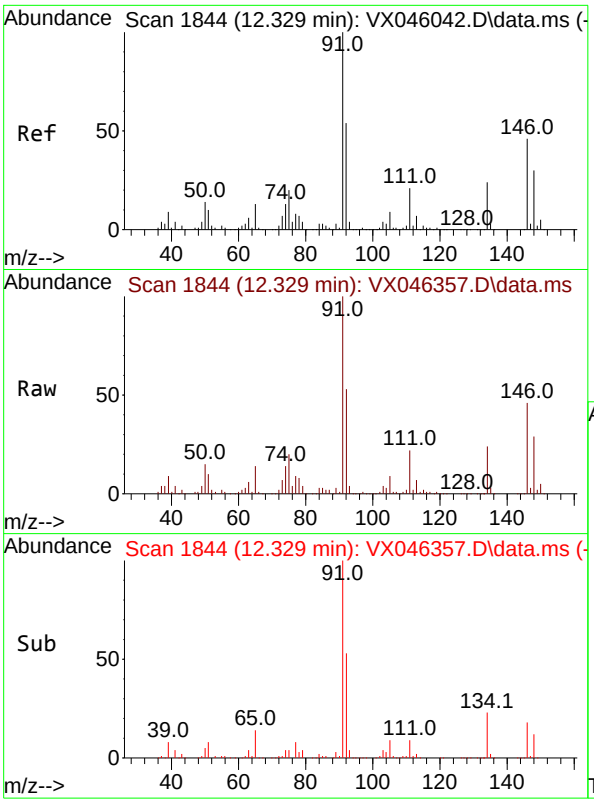




#88
1,4-Dichlorobenzene
Concen: 53.479 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:146 Resp: 103178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.0 | 21.3 | 63.9 |
| 148 | 65.0 | 31.9 | 95.5 |



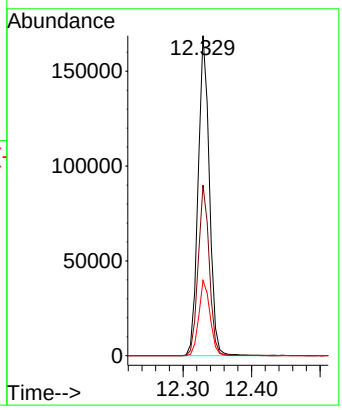


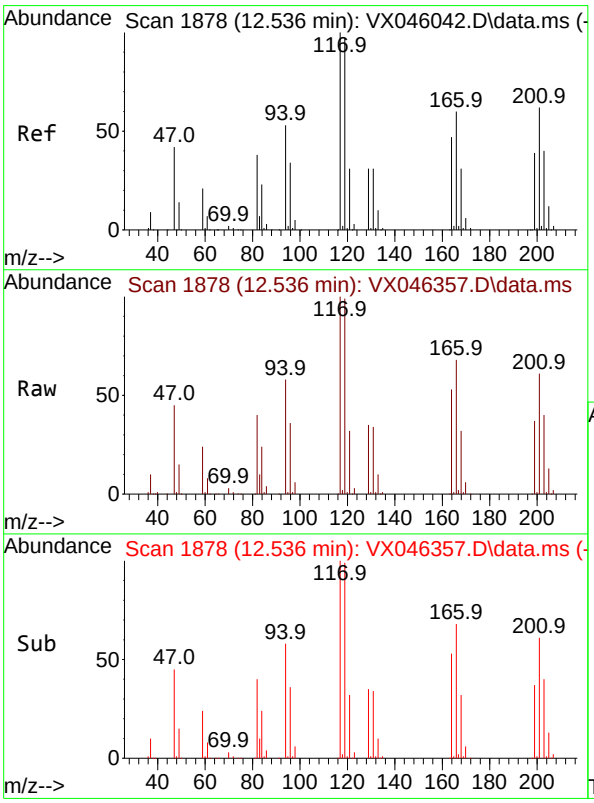

#89
n-Butylbenzene
Concen: 57.905 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 193146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.5 | 26.9 | 80.7 |
| 134 | 23.5 | 11.8 | 35.3 |

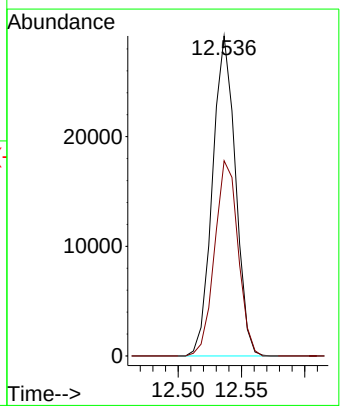


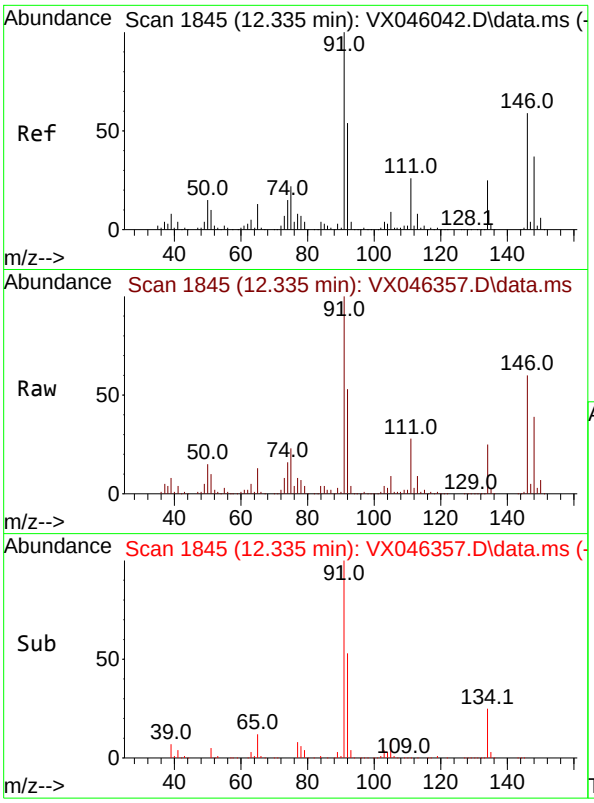




#90
Hexachloroethane
Concen: 54.879 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:117 Resp: 36765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.4 | 31.6 | 94.7 |



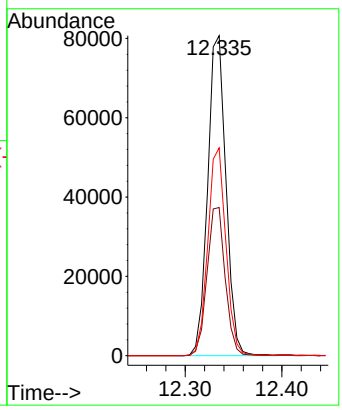


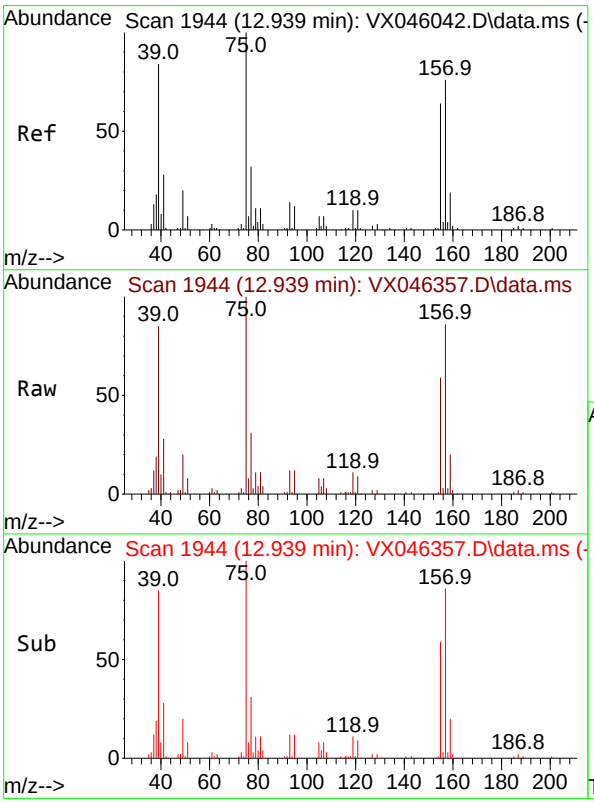

#91
1,2-Dichlorobenzene
Concen: 56.008 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 106177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.1 | 22.4 | 67.3 |
| 148 | 64.2 | 31.6 | 94.8 |

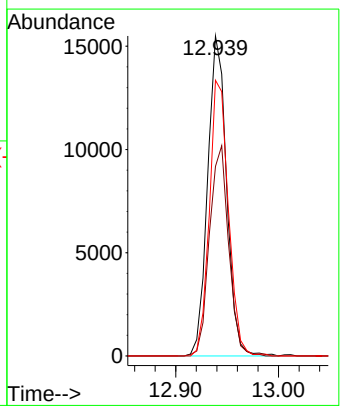


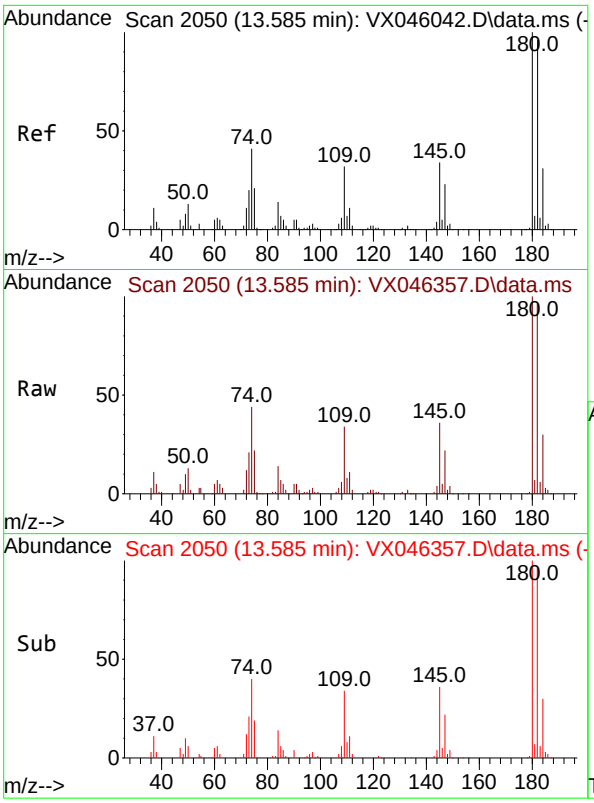




#92
1,2-Dibromo-3-Chloropropane
Concen: 57.261 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion: 75 Resp: 19820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 66.4 | 34.9 | 104.8 |
| 157 | 86.6 | 43.8 | 131.4 |



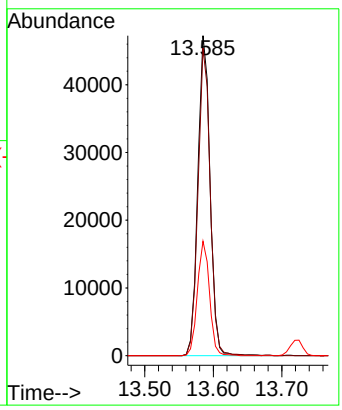


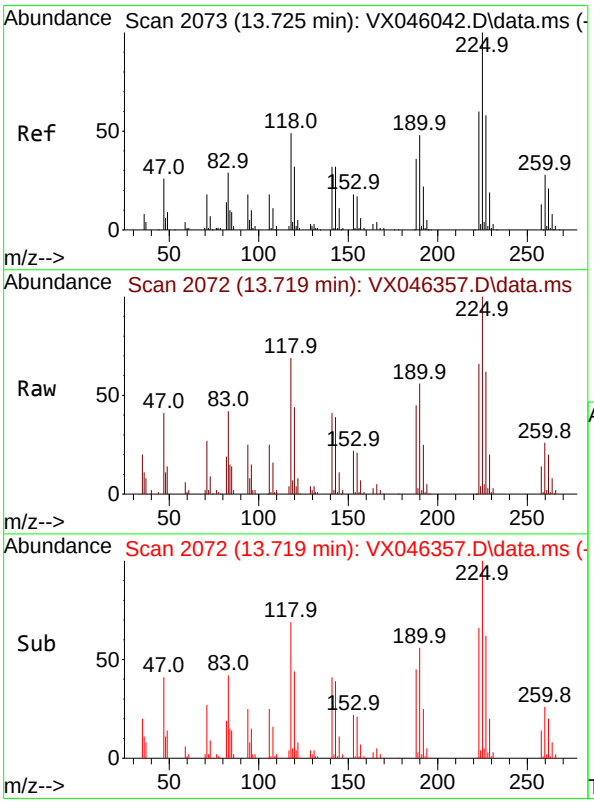

#93
1,2,4-Trichlorobenzene
Concen: 53.962 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 58756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 47.9 | 143.8 |
| 145 | 35.4 | 17.1 | 51.2 |

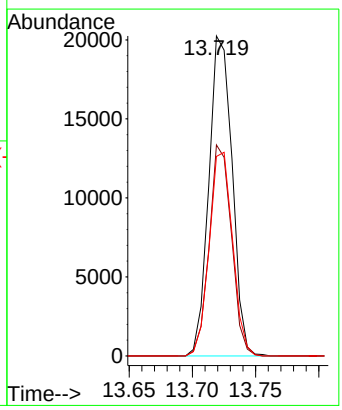


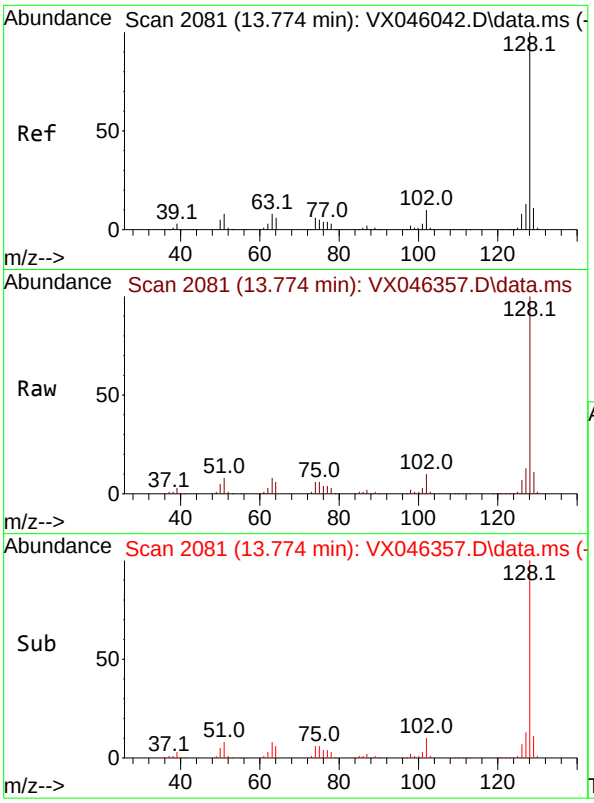




#94
Hexachlorobutadiene
Concen: 54.428 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:225 Resp: 25883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 30.8 | 92.4 |
| 227 | 63.8 | 30.9 | 92.7 |



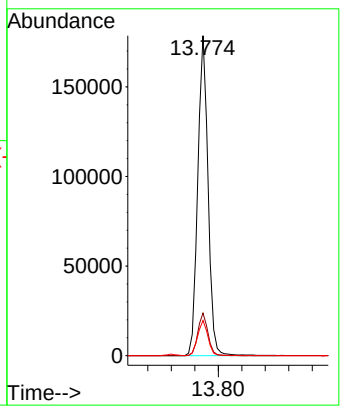


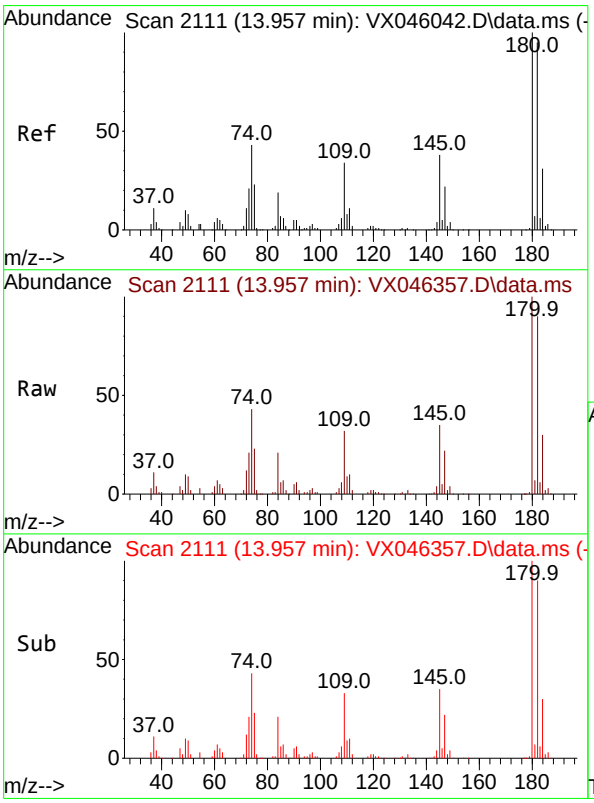

#95
Naphthalene
Concen: 54.381 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 217170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.4 | 15.6 |
| 129 | 11.0 | 8.6 | 13.0 |




#96
1,2,3-Trichlorobenzene
Concen: 54.454 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046357.D
Acq: 23 May 2025 19:55

Tgt Ion:180 Resp: 61179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.6 | 47.8 | 143.3 |
| 145 | 35.9 | 18.1 | 54.3 |

