

**DATA PACKAGE  
VOLATILE ORGANICS**

**PROJECT NAME : AE1-CTY 3.2.Z-PR-DOCK-DES-ODC - 60693795-1719206**

**AECOM**

**605 3rd Avenue**

**29th Floor**

**New York, NY - 10158**

**Phone No: 212-973-2900**

**ORDER ID : Q3422**

**ATTENTION : Rob Forstner**



**Laboratory Certification ID # 20012**



|                                             |      |
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## Cover Page

**Order ID :** Q3422

**Project ID :** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

**Client :** AECOM

**Lab Sample Number**

Q3422-01  
Q3422-02

**Client Sample Number**

PR132-S15-000008-20251021  
PR132-FB2-20251021

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: 11/4/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



## **CASE NARRATIVE**

### **AECOM**

**Project Name:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

**Project #** N/A

**Order ID #** Q3422

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

### **A. Number of Samples and Date of Receipt:**

1 Solid sample was received on 10/21/2025.

1 Water sample was received on 10/21/2025.

### **B. Parameters**

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

### **C. Analytical Techniques:**

The analysis performed on instrument MSVOA\_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis performed on instrument MSVOA\_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOC-TCLVOA-10 was based on method 8260D.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD for {VX1103WBSD01} with File ID: VX048450.D met criteria except for Benzene[17%], Bromodichloromethane[17%] due to difference in results of BS and BSD.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate for {VX1103WBSD01} with File ID: VX048450.D met requirements for all compounds except for Benzene[114%] is failing high but no positive hit in associate sample therefore no corrective action taken.

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

The Initial Calibration met the requirements.

The Continuous Calibration File ID VX048445.D met the requirements except for Dibromofluoromethane which is not our target compound, therefore no corrective action taken.



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

The Tuning criteria met requirements.

**E. Additional Comments:**

The Sample #PR132-S15-000008-20251021, have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.

**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\_\_\_\_\_

## 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>U</b>  | 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.                                                                                                                                                                                                                                                                                      |
| <b>ND</b> | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>J</b>  | Indicates an estimated value. This flag is used: <ul style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(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 flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.</li> </ul> |
| <b>B</b>  | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>E</b>  | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>D</b>  | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>P</b>  | 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”.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>N</b>  | 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.                                                                                                                                                                                                                                                                       |
| <b>A</b>  | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Q</b>  | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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

ORDER ID: Q3422

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<br>ASP CLP, CLP AND NJ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |    | ✓   |
| 3.  | GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for<br>8000 Series.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |    | ✓   |
| 4.  | GC/MS Calibration - Initial Calibration performed before sample analysis and<br>continuing calibration performed within 24 hours of sample analysis for 600 series and<br>12 hours for 8000 series.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    | ✓   |
| 5.  | GC/MS Calibration Requirements.<br>The Initial Calibration met the requirements.<br>The Continuous Calibration File ID VX048445.D met the requirements except for<br>Dibromofluoromethane which is not our target compound, therefore no corrective<br>action taken.                                                                                                                                                                                                                                                                                                                                                                                   |    |    | ✓   |
| 6.  | Blank Contamination - If yes, list compounds and concentrations in each blank:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    | ✓  |     |
| 7.  | Surrogate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable<br>ranges.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |    | ✓   |
| 8.  | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable<br>range.<br><br>The Blank Spike met requirements for all compounds.<br><br>The Blank Spike Duplicate for {VX1103WBSD01} with File ID: VX048450.D met<br>requirements for all compounds except for Benzene[114%] is failing high but no<br>positive hit in associate sample therefore no corrective action taken.<br>The RPD for {VX1103WBSD01} with File ID: VX048450.D met criteria except for<br>Benzene[17%], Bromodichloromethane[17%] due to difference in results of BS and<br>BSD. |    | ✓  |     |
| 9.  | Internal Standard Area/Retention Time Shift Meet Criteria<br><br>Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |    | ✓   |
| 10. | Analysis Holding Time Met<br><br>If not met, list number of days exceeded for each sample:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |    | ✓   |

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

NA NO YES

ADDITIONAL COMMENTS:

The Sample #PR132-S15-000008-20251021, have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.

\_\_\_\_\_  
QA REVIEW

\_\_\_\_\_  
Date

APPENDIX A

**QA REVIEW GENERAL DOCUMENTATION**

Project #: Q3422

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 Custody

✓

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: 11/04/2025

## LAB CHRONICLE

|                 |              |                   |                                                  |
|-----------------|--------------|-------------------|--------------------------------------------------|
| <b>OrderID:</b> | Q3422        | <b>OrderDate:</b> | 10/22/2025 11:11:00 AM                           |
| <b>Client:</b>  | AECOM        | <b>Project:</b>   | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |
| <b>Contact:</b> | Rob Forstner | <b>Location:</b>  | D41,VOA Ref. #2 Soil,VOA Ref. #3 Water           |

| LabID           | ClientID                              | Matrix       | Test          | Method   | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|---------------------------------------|--------------|---------------|----------|-----------------|-----------|-----------|-----------------|
| <b>Q3422-01</b> | <b>PR132-S15-000008-2<br/>0251021</b> | <b>SOIL</b>  |               |          | <b>10/21/25</b> |           |           | <b>10/21/25</b> |
|                 |                                       |              | VOC-TCLVOA-10 | 8260D    |                 |           | 10/22/25  |                 |
| <b>Q3422-02</b> | <b>PR132-FB2-20251021</b>             | <b>Water</b> |               |          | <b>10/21/25</b> |           |           | <b>10/21/25</b> |
|                 |                                       |              | VOC-TCLVOA-10 | 8260-Low |                 |           | 11/03/25  |                 |

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q3422  
**Client:** AECOM

| Sample ID         | Client ID                        | Matrix | Parameter                     | Concentration | C | MDL  | RDL  | Units |
|-------------------|----------------------------------|--------|-------------------------------|---------------|---|------|------|-------|
| <b>Client ID:</b> | <b>PR132-S15-000008-20251021</b> |        |                               |               |   |      |      |       |
| Q3422-01          | PR132-S15-000008                 | SOIL   | Acetone                       | 65.6          |   | 9.30 | 49.1 | ug/Kg |
| Q3422-01          | PR132-S15-000008                 | SOIL   | Carbon Disulfide              | 8.30          | J | 2.10 | 9.80 | ug/Kg |
| Q3422-01          | PR132-S15-000008                 | SOIL   | 2-Butanone                    | 17.2          | J | 12.8 | 49.1 | ug/Kg |
| Q3422-01          | PR132-S15-000008                 | SOIL   | Methylcyclohexane             | 14.6          |   | 1.80 | 9.80 | ug/Kg |
|                   |                                  |        | <b>Total Voc :</b>            |               |   | 106  |      |       |
| Q3422-01          | PR132-S15-000008                 | SOIL   | Naphthalene, decahydro-       | * 45.6        | J | 0    | 0    | ug/Kg |
| Q3422-01          | PR132-S15-000008                 | SOIL   | Naphthalene, decahydro-2-metl | * 61.4        | J | 0    | 0    | ug/Kg |
| Q3422-01          | PR132-S15-000008                 | SOIL   | Tert butyl alcohol            | * 63.6        | J | 26.9 | 49.1 | ug/Kg |
|                   |                                  |        | <b>Total Tics :</b>           |               |   | 171  |      |       |
|                   |                                  |        | <b>Total Concentration:</b>   |               |   | 276  |      |       |





# QC SUMMARY

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### Surrogate Summary

SDG No.: Q3422

Client: AECOM

Analytical Method: SW8260D

| Lab Sample ID | Client ID                 | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|---------------------------|-----------------------|-------|--------|--------------|------|------------|------|
|               |                           |                       |       |        |              |      | Low        | High |
| Q3422-01      | PR132-S15-000008-20251021 | 1,2-Dichloroethane-d4 | 50    | 50.2   | 100          |      | 63         | 155  |
|               |                           | Dibromofluoromethane  | 50    | 49.8   | 100          |      | 70         | 134  |
|               |                           | Toluene-d8            | 50    | 49.8   | 100          |      | 74         | 123  |
|               |                           | 4-Bromofluorobenzene  | 50    | 48.3   | 97           |      | 17         | 146  |
| VY1022SBL01   | VY1022SBL01               | 1,2-Dichloroethane-d4 | 50    | 48.3   | 97           |      | 63         | 155  |
|               |                           | Dibromofluoromethane  | 50    | 49.8   | 100          |      | 70         | 134  |
|               |                           | Toluene-d8            | 50    | 48.6   | 97           |      | 74         | 123  |
|               |                           | 4-Bromofluorobenzene  | 50    | 41.1   | 82           |      | 17         | 146  |
| VY1022SBS01   | VY1022SBS01               | 1,2-Dichloroethane-d4 | 50    | 45.7   | 91           |      | 63         | 155  |
|               |                           | Dibromofluoromethane  | 50    | 49.3   | 99           |      | 70         | 134  |
|               |                           | Toluene-d8            | 50    | 49.8   | 100          |      | 74         | 123  |
|               |                           | 4-Bromofluorobenzene  | 50    | 49.3   | 99           |      | 17         | 146  |
| VY1022SBSD01  | VY1022SBSD01              | 1,2-Dichloroethane-d4 | 50    | 45.1   | 90           |      | 63         | 155  |
|               |                           | Dibromofluoromethane  | 50    | 49.3   | 99           |      | 70         | 134  |
|               |                           | Toluene-d8            | 50    | 48.6   | 97           |      | 74         | 123  |
|               |                           | 4-Bromofluorobenzene  | 50    | 48.7   | 97           |      | 17         | 146  |

### Surrogate Summary

SDG No.: Q3422

Client: AECOM

Analytical Method: SW8260-Low

| Lab Sample ID | Client ID          | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------------|-----------------------|-------|--------|--------------|------|------------|------|
|               |                    |                       |       |        |              |      | Low        | High |
| Q3422-02      | PR132-FB2-20251021 | 1,2-Dichloroethane-d4 | 50    | 58.2   | 116          |      | 74         | 125  |
|               |                    | Dibromofluoromethane  | 50    | 47.5   | 95           |      | 75         | 124  |
|               |                    | Toluene-d8            | 50    | 45.2   | 90           |      | 86         | 113  |
|               |                    | 4-Bromofluorobenzene  | 50    | 48.1   | 96           |      | 77         | 121  |
| VX1103WBL01   | VX1103WBL01        | 1,2-Dichloroethane-d4 | 50    | 52.7   | 105          |      | 74         | 125  |
|               |                    | Dibromofluoromethane  | 50    | 59.8   | 120          |      | 75         | 124  |
|               |                    | Toluene-d8            | 50    | 45.5   | 91           |      | 86         | 113  |
|               |                    | 4-Bromofluorobenzene  | 50    | 48.3   | 97           |      | 77         | 121  |
| VX1103WBS01   | VX1103WBS01        | 1,2-Dichloroethane-d4 | 50    | 49.1   | 98           |      | 74         | 125  |
|               |                    | Dibromofluoromethane  | 50    | 50.7   | 101          |      | 75         | 124  |
|               |                    | Toluene-d8            | 50    | 43.8   | 88           |      | 86         | 113  |
|               |                    | 4-Bromofluorobenzene  | 50    | 43.5   | 87           |      | 77         | 121  |
| VX1103WBSD0   | VX1103WBSD01       | 1,2-Dichloroethane-d4 | 50    | 49.2   | 98           |      | 74         | 125  |
|               |                    | Dibromofluoromethane  | 50    | 59.5   | 119          |      | 75         | 124  |
|               |                    | Toluene-d8            | 50    | 50.7   | 101          |      | 86         | 113  |
|               |                    | 4-Bromofluorobenzene  | 50    | 50.5   | 101          |      | 77         | 121  |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|          |              |                    |                   |
|----------|--------------|--------------------|-------------------|
| SDG No.: | <u>Q3422</u> | Analytical Method: | <u>SW8260-Low</u> |
| Client:  | <u>AECOM</u> | Datafile :         | <u>VX048449.D</u> |

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|-------------|-----|
| VX1103WBS01   | Dichlorodifluoromethane        | 20    | 17.2   | ug/L | 86  |     |      | 69  | 116         |     |
|               | Chloromethane                  | 20    | 20.5   | ug/L | 103 |     |      | 65  | 116         |     |
|               | Vinyl chloride                 | 20    | 19.6   | ug/L | 98  |     |      | 65  | 117         |     |
|               | Bromomethane                   | 20    | 20.1   | ug/L | 101 |     |      | 58  | 125         |     |
|               | Chloroethane                   | 20    | 17.0   | ug/L | 85  |     |      | 56  | 128         |     |
|               | Trichlorofluoromethane         | 20    | 17.3   | ug/L | 86  |     |      | 73  | 115         |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 20.2   | ug/L | 101 |     |      | 80  | 112         |     |
|               | 1,1-Dichloroethene             | 20    | 20.2   | ug/L | 101 |     |      | 74  | 110         |     |
|               | Acetone                        | 100   | 88.6   | ug/L | 89  |     |      | 60  | 125         |     |
|               | Carbon disulfide               | 20    | 16.9   | ug/L | 85  |     |      | 64  | 112         |     |
|               | Methyl tert-butyl Ether        | 20    | 17.4   | ug/L | 87  |     |      | 78  | 114         |     |
|               | Methyl Acetate                 | 20    | 16.0   | ug/L | 80  |     |      | 67  | 125         |     |
|               | Methylene Chloride             | 20    | 17.1   | ug/L | 86  |     |      | 72  | 114         |     |
|               | trans-1,2-Dichloroethene       | 20    | 16.9   | ug/L | 85  |     |      | 75  | 108         |     |
|               | 1,1-Dichloroethane             | 20    | 17.4   | ug/L | 87  |     |      | 78  | 112         |     |
|               | Cyclohexane                    | 20    | 19.7   | ug/L | 99  |     |      | 75  | 110         |     |
|               | 2-Butanone                     | 100   | 82.0   | ug/L | 82  |     |      | 65  | 122         |     |
|               | Carbon Tetrachloride           | 20    | 18.7   | ug/L | 94  |     |      | 77  | 113         |     |
|               | cis-1,2-Dichloroethene         | 20    | 16.6   | ug/L | 83  |     |      | 77  | 110         |     |
|               | Bromochloromethane             | 20    | 19.3   | ug/L | 97  |     |      | 70  | 124         |     |
|               | Chloroform                     | 20    | 18.5   | ug/L | 93  |     |      | 79  | 113         |     |
|               | 1,1,1-Trichloroethane          | 20    | 19.9   | ug/L | 100 |     |      | 80  | 108         |     |
|               | Methylcyclohexane              | 20    | 16.6   | ug/L | 83  |     |      | 72  | 115         |     |
|               | Benzene                        | 20    | 19.2   | ug/L | 96  |     |      | 82  | 109         |     |
|               | 1,2-Dichloroethane             | 20    | 18.2   | ug/L | 91  |     |      | 80  | 115         |     |
|               | Trichloroethene                | 20    | 17.5   | ug/L | 88  |     |      | 77  | 113         |     |
|               | 1,2-Dichloropropane            | 20    | 17.1   | ug/L | 86  |     |      | 83  | 111         |     |
|               | Bromodichloromethane           | 20    | 18.3   | ug/L | 92  |     |      | 83  | 110         |     |
|               | 4-Methyl-2-Pentanone           | 100   | 86.6   | ug/L | 87  |     |      | 74  | 118         |     |
|               | Toluene                        | 20    | 17.6   | ug/L | 88  |     |      | 82  | 110         |     |
|               | t-1,3-Dichloropropene          | 20    | 19.0   | ug/L | 95  |     |      | 79  | 110         |     |
|               | cis-1,3-Dichloropropene        | 20    | 18.4   | ug/L | 92  |     |      | 82  | 110         |     |
|               | 1,1,2-Trichloroethane          | 20    | 18.0   | ug/L | 90  |     |      | 83  | 112         |     |
|               | 2-Hexanone                     | 100   | 86.4   | ug/L | 86  |     |      | 73  | 117         |     |
|               | Dibromochloromethane           | 20    | 18.2   | ug/L | 91  |     |      | 82  | 110         |     |
|               | 1,2-Dibromoethane              | 20    | 17.8   | ug/L | 89  |     |      | 81  | 110         |     |
|               | Tetrachloroethene              | 20    | 19.8   | ug/L | 99  |     |      | 67  | 123         |     |
|               | Chlorobenzene                  | 20    | 20.7   | ug/L | 104 |     |      | 82  | 109         |     |
|               | Ethyl Benzene                  | 20    | 20.5   | ug/L | 103 |     |      | 83  | 109         |     |
|               | m/p-Xylenes                    | 40    | 42.2   | ug/L | 106 |     |      | 82  | 110         |     |
|               | o-Xylene                       | 20    | 20.7   | ug/L | 104 |     |      | 83  | 109         |     |
|               | Styrene                        | 20    | 21.2   | ug/L | 106 |     |      | 80  | 111         |     |
|               | Bromoform                      | 20    | 21.3   | ug/L | 106 |     |      | 79  | 109         |     |
|               | Isopropylbenzene               | 20    | 20.5   | ug/L | 103 |     |      | 83  | 112         |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 20.5   | ug/L | 103 |     |      | 76  | 118         |     |
|               | 1,3-Dichlorobenzene            | 20    | 19.7   | ug/L | 99  |     |      | 82  | 108         |     |
|               | 1,4-Dichlorobenzene            | 20    | 20.2   | ug/L | 101 |     |      | 82  | 107         |     |
|               | 1,2-Dichlorobenzene            | 20    | 20.3   | ug/L | 102 |     |      | 82  | 109         |     |

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

**SW-846**

|                 |                     |                           |                          |
|-----------------|---------------------|---------------------------|--------------------------|
| <b>SDG No.:</b> | <u><b>Q3422</b></u> | <b>Analytical Method:</b> | <u><b>SW8260-Low</b></u> |
| <b>Client:</b>  | <u><b>AECOM</b></u> | <b>Datafile :</b>         | <u><b>VX048449.D</b></u> |

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX1103WBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 20.5   | ug/L | 103 |     |      | 68  | 112            |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 19.6   | ug/L | 98  |     |      | 75  | 113            |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 20.2   | ug/L | 101 |     |      | 76  | 114            |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

|          |  |       |            |  |                    |  |            |
|----------|--|-------|------------|--|--------------------|--|------------|
| SDG No.: |  | Q3422 | SW-846     |  | Analytical Method: |  | SW8260-Low |
| Client:  |  | AECOM | Datafile : |  | VX048450.D         |  |            |

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|-------------|-----|
| VX1103WBSD01  | Dichlorodifluoromethane        | 20    | 16.7   | ug/L | 84  | 2   |      | 69  | 116         | 19  |
|               | Chloromethane                  | 20    | 19.6   | ug/L | 98  | 5   |      | 65  | 116         | 21  |
|               | Vinyl chloride                 | 20    | 18.4   | ug/L | 92  | 6   |      | 65  | 117         | 19  |
|               | Bromomethane                   | 20    | 20.8   | ug/L | 104 | 3   |      | 58  | 125         | 20  |
|               | Chloroethane                   | 20    | 17.2   | ug/L | 86  | 1   |      | 56  | 128         | 20  |
|               | Trichlorofluoromethane         | 20    | 18.5   | ug/L | 93  | 8   |      | 73  | 115         | 16  |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 17.7   | ug/L | 89  | 13  |      | 80  | 112         | 15  |
|               | 1,1-Dichloroethene             | 20    | 16.5   | ug/L | 83  | 20  |      | 74  | 110         | 20  |
|               | Acetone                        | 100   | 99.0   | ug/L | 99  | 11  |      | 60  | 125         | 20  |
|               | Carbon disulfide               | 20    | 16.5   | ug/L | 83  | 2   |      | 64  | 112         | 20  |
|               | Methyl tert-butyl Ether        | 20    | 17.4   | ug/L | 87  | 0   |      | 78  | 114         | 20  |
|               | Methyl Acetate                 | 20    | 16.0   | ug/L | 80  | 0   |      | 67  | 125         | 20  |
|               | Methylene Chloride             | 20    | 16.8   | ug/L | 84  | 2   |      | 72  | 114         | 20  |
|               | trans-1,2-Dichloroethene       | 20    | 16.7   | ug/L | 84  | 1   |      | 75  | 108         | 16  |
|               | 1,1-Dichloroethane             | 20    | 16.8   | ug/L | 84  | 4   |      | 78  | 112         | 20  |
|               | Cyclohexane                    | 20    | 19.5   | ug/L | 98  | 1   |      | 75  | 110         | 20  |
|               | 2-Butanone                     | 100   | 98.3   | ug/L | 98  | 18  |      | 65  | 122         | 26  |
|               | Carbon Tetrachloride           | 20    | 21.6   | ug/L | 108 | 14  |      | 77  | 113         | 15  |
|               | cis-1,2-Dichloroethene         | 20    | 19.3   | ug/L | 97  | 16  |      | 77  | 110         | 20  |
|               | Bromochloromethane             | 20    | 17.8   | ug/L | 89  | 9   |      | 70  | 124         | 20  |
|               | Chloroform                     | 20    | 19.1   | ug/L | 96  | 3   |      | 79  | 113         | 20  |
|               | 1,1,1-Trichloroethane          | 20    | 19.1   | ug/L | 96  | 4   |      | 80  | 108         | 20  |
|               | Methylcyclohexane              | 20    | 19.3   | ug/L | 97  | 16  |      | 72  | 115         | 20  |
|               | Benzene                        | 20    | 22.8   | ug/L | 114 | 17  | *    | *   | 82          | 109 |
|               | 1,2-Dichloroethane             | 20    | 21.1   | ug/L | 106 | 15  |      | 80  | 115         | 20  |
|               | Trichloroethene                | 20    | 19.1   | ug/L | 96  | 9   |      | 77  | 113         | 15  |
|               | 1,2-Dichloropropane            | 20    | 19.5   | ug/L | 98  | 13  |      | 83  | 111         | 16  |
|               | Bromodichloromethane           | 20    | 21.7   | ug/L | 109 | 17  | *    | 83  | 110         | 16  |
|               | 4-Methyl-2-Pentanone           | 100   | 100    | ug/L | 100 | 14  |      | 74  | 118         | 25  |
|               | Toluene                        | 20    | 19.7   | ug/L | 99  | 12  |      | 82  | 110         | 16  |
|               | t-1,3-Dichloropropene          | 20    | 21.7   | ug/L | 109 | 14  |      | 79  | 110         | 20  |
|               | cis-1,3-Dichloropropene        | 20    | 21.0   | ug/L | 105 | 13  |      | 82  | 110         | 16  |
|               | 1,1,2-Trichloroethane          | 20    | 20.4   | ug/L | 102 | 13  |      | 83  | 112         | 20  |
|               | 2-Hexanone                     | 100   | 110    | ug/L | 110 | 24  |      | 73  | 117         | 25  |
|               | Dibromochloromethane           | 20    | 21.0   | ug/L | 105 | 14  |      | 82  | 110         | 20  |
|               | 1,2-Dibromoethane              | 20    | 20.8   | ug/L | 104 | 16  |      | 81  | 110         | 20  |
|               | Tetrachloroethene              | 20    | 19.9   | ug/L | 100 | 1   |      | 67  | 123         | 15  |
|               | Chlorobenzene                  | 20    | 20.0   | ug/L | 100 | 4   |      | 82  | 109         | 15  |
|               | Ethyl Benzene                  | 20    | 20.3   | ug/L | 102 | 1   |      | 83  | 109         | 16  |
|               | m/p-Xylenes                    | 40    | 40.7   | ug/L | 102 | 4   |      | 82  | 110         | 15  |
|               | o-Xylene                       | 20    | 19.8   | ug/L | 99  | 5   |      | 83  | 109         | 20  |
|               | Styrene                        | 20    | 20.6   | ug/L | 103 | 3   |      | 80  | 111         | 17  |
|               | Bromoform                      | 20    | 21.5   | ug/L | 108 | 2   |      | 79  | 109         | 20  |
|               | Isopropylbenzene               | 20    | 17.5   | ug/L | 88  | 16  |      | 83  | 112         | 29  |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 17.6   | ug/L | 88  | 16  |      | 76  | 118         | 20  |
|               | 1,3-Dichlorobenzene            | 20    | 19.7   | ug/L | 99  | 0   |      | 82  | 108         | 20  |
|               | 1,4-Dichlorobenzene            | 20    | 19.9   | ug/L | 100 | 1   |      | 82  | 107         | 15  |
|               | 1,2-Dichlorobenzene            | 20    | 20.2   | ug/L | 101 | 1   |      | 82  | 109         | 20  |

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

**SW-846**

|                 |                     |                           |                          |
|-----------------|---------------------|---------------------------|--------------------------|
| <b>SDG No.:</b> | <u><b>Q3422</b></u> | <b>Analytical Method:</b> | <u><b>SW8260-Low</b></u> |
| <b>Client:</b>  | <u><b>AECOM</b></u> | <b>Datafile :</b>         | <u><b>VX048450.D</b></u> |

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX1103WBSD01  | 1,2-Dibromo-3-Chloropropane | 20    | 20.0   | ug/L | 100 | 3   |      | 68  | 112            | 20  |
|               | 1,2,4-Trichlorobenzene      | 20    | 19.5   | ug/L | 98  | 0   |      | 75  | 113            | 29  |
|               | 1,2,3-Trichlorobenzene      | 20    | 20.6   | ug/L | 103 | 2   |      | 76  | 114            | 29  |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 Analytical Method: SW8260D

Client: AECOM Datafile : VY023545.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits High | RPD |
|---------------|--------------------------------|-------|--------|-------|-----|-----|------|-----|-------------|-----|
| VY1022SBS01   | Dichlorodifluoromethane        | 20    | 20.0   | ug/Kg | 100 |     |      | 64  | 136         |     |
|               | Chloromethane                  | 20    | 18.0   | ug/Kg | 90  |     |      | 52  | 151         |     |
|               | Vinyl chloride                 | 20    | 18.7   | ug/Kg | 94  |     |      | 56  | 148         |     |
|               | Bromomethane                   | 20    | 20.0   | ug/Kg | 100 |     |      | 58  | 141         |     |
|               | Chloroethane                   | 20    | 19.8   | ug/Kg | 99  |     |      | 69  | 130         |     |
|               | Trichlorofluoromethane         | 20    | 20.2   | ug/Kg | 101 |     |      | 69  | 134         |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 21.3   | ug/Kg | 106 |     |      | 81  | 123         |     |
|               | 1,1-Dichloroethene             | 20    | 20.7   | ug/Kg | 104 |     |      | 79  | 121         |     |
|               | Acetone                        | 100   | 130    | ug/Kg | 130 |     |      | 40  | 171         |     |
|               | Carbon disulfide               | 20    | 19.3   | ug/Kg | 97  |     |      | 59  | 130         |     |
|               | Methyl tert-butyl Ether        | 20    | 19.8   | ug/Kg | 99  |     |      | 77  | 129         |     |
|               | Methyl Acetate                 | 20    | 17.3   | ug/Kg | 86  |     |      | 69  | 149         |     |
|               | Methylene Chloride             | 20    | 18.4   | ug/Kg | 92  |     |      | 72  | 131         |     |
|               | trans-1,2-Dichloroethene       | 20    | 20.4   | ug/Kg | 102 |     |      | 80  | 123         |     |
|               | 1,1-Dichloroethane             | 20    | 20.5   | ug/Kg | 103 |     |      | 82  | 123         |     |
|               | Cyclohexane                    | 20    | 19.3   | ug/Kg | 97  |     |      | 76  | 122         |     |
|               | 2-Butanone                     | 100   | 110    | ug/Kg | 110 |     |      | 69  | 131         |     |
|               | Carbon Tetrachloride           | 20    | 21.4   | ug/Kg | 107 |     |      | 76  | 129         |     |
|               | cis-1,2-Dichloroethene         | 20    | 21.2   | ug/Kg | 106 |     |      | 82  | 123         |     |
|               | Bromochloromethane             | 20    | 19.3   | ug/Kg | 97  |     |      | 80  | 127         |     |
|               | Chloroform                     | 20    | 21.2   | ug/Kg | 106 |     |      | 82  | 125         |     |
|               | 1,1,1-Trichloroethane          | 20    | 21.3   | ug/Kg | 106 |     |      | 80  | 126         |     |
|               | Methylcyclohexane              | 20    | 20.7   | ug/Kg | 104 |     |      | 77  | 123         |     |
|               | Benzene                        | 20    | 21.2   | ug/Kg | 106 |     |      | 84  | 121         |     |
|               | 1,2-Dichloroethane             | 20    | 19.8   | ug/Kg | 99  |     |      | 81  | 126         |     |
|               | Trichloroethene                | 20    | 21.9   | ug/Kg | 110 |     |      | 83  | 122         |     |
|               | 1,2-Dichloropropane            | 20    | 21.0   | ug/Kg | 105 |     |      | 83  | 122         |     |
|               | Bromodichloromethane           | 20    | 21.2   | ug/Kg | 106 |     |      | 82  | 123         |     |
|               | 4-Methyl-2-Pentanone           | 100   | 96.0   | ug/Kg | 96  |     |      | 70  | 135         |     |
|               | Toluene                        | 20    | 22.0   | ug/Kg | 110 |     |      | 83  | 122         |     |
|               | t-1,3-Dichloropropene          | 20    | 21.0   | ug/Kg | 105 |     |      | 78  | 124         |     |
|               | cis-1,3-Dichloropropene        | 20    | 20.9   | ug/Kg | 104 |     |      | 81  | 122         |     |
|               | 1,1,2-Trichloroethane          | 20    | 21.6   | ug/Kg | 108 |     |      | 82  | 125         |     |
|               | 2-Hexanone                     | 100   | 110    | ug/Kg | 110 |     |      | 66  | 138         |     |
|               | Dibromochloromethane           | 20    | 21.4   | ug/Kg | 107 |     |      | 79  | 125         |     |
|               | 1,2-Dibromoethane              | 20    | 21.2   | ug/Kg | 106 |     |      | 80  | 125         |     |
|               | Tetrachloroethene              | 20    | 22.9   | ug/Kg | 115 |     |      | 83  | 125         |     |
|               | Chlorobenzene                  | 20    | 21.4   | ug/Kg | 107 |     |      | 84  | 122         |     |
|               | Ethyl Benzene                  | 20    | 21.2   | ug/Kg | 106 |     |      | 82  | 124         |     |
|               | m/p-Xylenes                    | 40    | 43.3   | ug/Kg | 108 |     |      | 83  | 124         |     |
|               | o-Xylene                       | 20    | 21.6   | ug/Kg | 108 |     |      | 83  | 123         |     |
|               | Styrene                        | 20    | 21.3   | ug/Kg | 106 |     |      | 82  | 124         |     |
|               | Bromoform                      | 20    | 20.5   | ug/Kg | 103 |     |      | 75  | 127         |     |
|               | Isopropylbenzene               | 20    | 21.7   | ug/Kg | 109 |     |      | 82  | 124         |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 19.2   | ug/Kg | 96  |     |      | 77  | 127         |     |
|               | 1,3-Dichlorobenzene            | 20    | 21.3   | ug/Kg | 106 |     |      | 83  | 122         |     |
|               | 1,4-Dichlorobenzene            | 20    | 21.1   | ug/Kg | 106 |     |      | 84  | 121         |     |
|               | 1,2-Dichlorobenzene            | 20    | 21.3   | ug/Kg | 106 |     |      | 83  | 124         |     |



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

**SW-846**

|                 |                     |                           |                          |
|-----------------|---------------------|---------------------------|--------------------------|
| <b>SDG No.:</b> | <u><b>Q3422</b></u> | <b>Analytical Method:</b> | <u><b>SW8260D</b></u>    |
| <b>Client:</b>  | <u><b>AECOM</b></u> | <b>Datafile :</b>         | <u><b>VY023545.D</b></u> |

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits |     |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|-----|--------|-----|
|               |                             |       |        |       |     |     |      |     | High   | RPD |
| VY1022SBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 18.8   | ug/Kg | 94  |     |      | 66  | 134    |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 20.4   | ug/Kg | 102 |     |      | 78  | 127    |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 19.8   | ug/Kg | 99  |     |      | 70  | 137    |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

|          |       |            |                    |         |
|----------|-------|------------|--------------------|---------|
| SDG No.: | Q3422 | SW-846     | Analytical Method: | SW8260D |
| Client:  | AECOM | Datafile : | VY023546.D         |         |

| Lab Sample ID | Parameter                      | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits High | RPD |
|---------------|--------------------------------|-------|--------|-------|-----|-----|------|-----|-------------|-----|
| VY1022SBSD01  | Dichlorodifluoromethane        | 20    | 19.5   | ug/Kg | 98  | 2   |      | 64  | 136         | 20  |
|               | Chloromethane                  | 20    | 17.5   | ug/Kg | 88  | 2   |      | 52  | 151         | 20  |
|               | Vinyl chloride                 | 20    | 18.3   | ug/Kg | 92  | 2   |      | 56  | 148         | 20  |
|               | Bromomethane                   | 20    | 19.0   | ug/Kg | 95  | 5   |      | 58  | 141         | 20  |
|               | Chloroethane                   | 20    | 18.9   | ug/Kg | 95  | 4   |      | 69  | 130         | 20  |
|               | Trichlorofluoromethane         | 20    | 19.5   | ug/Kg | 98  | 3   |      | 69  | 134         | 20  |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 20.4   | ug/Kg | 102 | 4   |      | 81  | 123         | 20  |
|               | 1,1-Dichloroethene             | 20    | 19.9   | ug/Kg | 100 | 4   |      | 79  | 121         | 20  |
|               | Acetone                        | 100   | 120    | ug/Kg | 120 | 8   |      | 40  | 171         | 20  |
|               | Carbon disulfide               | 20    | 18.8   | ug/Kg | 94  | 3   |      | 59  | 130         | 20  |
|               | Methyl tert-butyl Ether        | 20    | 19.3   | ug/Kg | 97  | 2   |      | 77  | 129         | 20  |
|               | Methyl Acetate                 | 20    | 16.0   | ug/Kg | 80  | 7   |      | 69  | 149         | 20  |
|               | Methylene Chloride             | 20    | 18.0   | ug/Kg | 90  | 2   |      | 72  | 131         | 20  |
|               | trans-1,2-Dichloroethene       | 20    | 20.1   | ug/Kg | 101 | 1   |      | 80  | 123         | 20  |
|               | 1,1-Dichloroethane             | 20    | 19.9   | ug/Kg | 100 | 3   |      | 82  | 123         | 20  |
|               | Cyclohexane                    | 20    | 18.5   | ug/Kg | 93  | 4   |      | 76  | 122         | 20  |
|               | 2-Butanone                     | 100   | 110    | ug/Kg | 110 | 0   |      | 69  | 131         | 20  |
|               | Carbon Tetrachloride           | 20    | 20.5   | ug/Kg | 103 | 4   |      | 76  | 129         | 20  |
|               | cis-1,2-Dichloroethene         | 20    | 20.7   | ug/Kg | 104 | 2   |      | 82  | 123         | 20  |
|               | Bromochloromethane             | 20    | 19.3   | ug/Kg | 97  | 0   |      | 80  | 127         | 20  |
|               | Chloroform                     | 20    | 20.6   | ug/Kg | 103 | 3   |      | 82  | 125         | 20  |
|               | 1,1,1-Trichloroethane          | 20    | 20.7   | ug/Kg | 104 | 2   |      | 80  | 126         | 20  |
|               | Methylcyclohexane              | 20    | 20.0   | ug/Kg | 100 | 4   |      | 77  | 123         | 20  |
|               | Benzene                        | 20    | 20.7   | ug/Kg | 104 | 2   |      | 84  | 121         | 20  |
|               | 1,2-Dichloroethane             | 20    | 19.4   | ug/Kg | 97  | 2   |      | 81  | 126         | 20  |
|               | Trichloroethene                | 20    | 21.2   | ug/Kg | 106 | 4   |      | 83  | 122         | 20  |
|               | 1,2-Dichloropropane            | 20    | 20.3   | ug/Kg | 102 | 3   |      | 83  | 122         | 20  |
|               | Bromodichloromethane           | 20    | 20.7   | ug/Kg | 104 | 2   |      | 82  | 123         | 20  |
|               | 4-Methyl-2-Pentanone           | 100   | 91.4   | ug/Kg | 91  | 5   |      | 70  | 135         | 20  |
|               | Toluene                        | 20    | 21.2   | ug/Kg | 106 | 4   |      | 83  | 122         | 20  |
|               | t-1,3-Dichloropropene          | 20    | 20.1   | ug/Kg | 101 | 4   |      | 78  | 124         | 20  |
|               | cis-1,3-Dichloropropene        | 20    | 20.4   | ug/Kg | 102 | 2   |      | 81  | 122         | 20  |
|               | 1,1,2-Trichloroethane          | 20    | 21.2   | ug/Kg | 106 | 2   |      | 82  | 125         | 20  |
|               | 2-Hexanone                     | 100   | 100    | ug/Kg | 100 | 10  |      | 66  | 138         | 20  |
|               | Dibromochloromethane           | 20    | 20.7   | ug/Kg | 104 | 3   |      | 79  | 125         | 20  |
|               | 1,2-Dibromoethane              | 20    | 20.5   | ug/Kg | 103 | 3   |      | 80  | 125         | 20  |
|               | Tetrachloroethene              | 20    | 22.3   | ug/Kg | 112 | 3   |      | 83  | 125         | 20  |
|               | Chlorobenzene                  | 20    | 21.0   | ug/Kg | 105 | 2   |      | 84  | 122         | 20  |
|               | Ethyl Benzene                  | 20    | 20.8   | ug/Kg | 104 | 2   |      | 82  | 124         | 20  |
|               | m/p-Xylenes                    | 40    | 42.2   | ug/Kg | 106 | 2   |      | 83  | 124         | 20  |
|               | o-Xylene                       | 20    | 21.1   | ug/Kg | 106 | 2   |      | 83  | 123         | 20  |
|               | Styrene                        | 20    | 21.2   | ug/Kg | 106 | 0   |      | 82  | 124         | 20  |
|               | Bromoform                      | 20    | 20.3   | ug/Kg | 102 | 1   |      | 75  | 127         | 20  |
|               | Isopropylbenzene               | 20    | 20.8   | ug/Kg | 104 | 5   |      | 82  | 124         | 20  |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 19.2   | ug/Kg | 96  | 0   |      | 77  | 127         | 20  |
|               | 1,3-Dichlorobenzene            | 20    | 20.8   | ug/Kg | 104 | 2   |      | 83  | 122         | 20  |
|               | 1,4-Dichlorobenzene            | 20    | 20.7   | ug/Kg | 104 | 2   |      | 84  | 121         | 20  |
|               | 1,2-Dichlorobenzene            | 20    | 20.9   | ug/Kg | 104 | 2   |      | 83  | 124         | 20  |

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

**SW-846**

|                 |                     |                           |                          |
|-----------------|---------------------|---------------------------|--------------------------|
| <b>SDG No.:</b> | <u><b>Q3422</b></u> | <b>Analytical Method:</b> | <u><b>SW8260D</b></u>    |
| <b>Client:</b>  | <u><b>AECOM</b></u> | <b>Datafile :</b>         | <u><b>VY023546.D</b></u> |

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|-----|----------------|-----|
| VY1022SBSD01  | 1,2-Dibromo-3-Chloropropane | 20    | 19.0   | ug/Kg | 95  | 1   |      | 66  | 134            | 20  |
|               | 1,2,4-Trichlorobenzene      | 20    | 20.2   | ug/Kg | 101 | 1   |      | 78  | 127            | 20  |
|               | 1,2,3-Trichlorobenzene      | 20    | 19.5   | ug/Kg | 98  | 1   |      | 70  | 137            | 20  |

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1103WBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3422

Lab File ID: VX048447.D

Lab Sample ID: VX1103WBL01

Date Analyzed: 11/03/2025

Time Analyzed: 11:25

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<br>SAMPLE NO.  | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|--------------------|------------------|----------------|------------------|
| VX1103WBS01        | VX1103WBS01      | VX048449.D     | 11/03/2025       |
| VX1103WBSD01       | VX1103WBSD01     | VX048450.D     | 11/03/2025       |
| PR132-FB2-20251021 | Q3422-02         | VX048458.D     | 11/03/2025       |

COMMENTS: \_\_\_\_\_

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1022SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3422

Lab File ID: VY023544.D

Lab Sample ID: VY1022SBL01

Date Analyzed: 10/22/2025

Time Analyzed: 10:00

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA\_Y

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

| EPA<br>SAMPLE NO.         | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|---------------------------|------------------|----------------|------------------|
| VY1022SBS01               | VY1022SBS01      | VY023545.D     | 10/22/2025       |
| VY1022SBSD01              | VY1022SBSD01     | VY023546.D     | 10/22/2025       |
| PR132-S15-000008-20251021 | Q3422-01         | VY023554.D     | 10/22/2025       |

COMMENTS: \_\_\_\_\_



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3422

Lab File ID: VX048403.D

BFB Injection Date: 10/29/2025

Instrument ID: MSVOA\_X

BFB Injection Time: 08:39

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

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19.4                 |
| 75  | 30.0 - 60.0% of mass 95            | 52.3                 |
| 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         | 0.9 ( 1.2 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 72.3                 |
| 175 | 5.0 - 9.0% of mass 174             | 5 ( 6.9 ) 1          |
| 176 | 95.0 - 101.0% of mass 174          | 70.8 ( 97.9 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.6 ( 6.5 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-----------|---------------|-------------|---------------|---------------|
| VSTDIC001 | VSTDIC001     | VX048407.D  | 10/29/2025    | 11:12         |
| VSTDIC005 | VSTDIC005     | VX048408.D  | 10/29/2025    | 11:41         |
| VSTDIC020 | VSTDIC020     | VX048409.D  | 10/29/2025    | 12:01         |
| VSTDIC050 | VSTDIC050     | VX048410.D  | 10/29/2025    | 12:22         |
| VSTDIC100 | VSTDIC100     | VX048411.D  | 10/29/2025    | 12:43         |
| VSTDIC150 | VSTDIC150     | VX048412.D  | 10/29/2025    | 13:03         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
 BROMOFLUOROBENZENE (BFB)
Lab Name: AllianceContract: AECO02Lab Code: ACESDG NO.: Q3422Lab File ID: VX048444.DBFB Injection Date: 11/03/2025Instrument ID: MSVOA\_XBFB Injection Time: 08:20GC 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            | 21.4                 |
| 75  | 30.0 - 60.0% of mass 95            | 57.7                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.5                  |
| 173 | Less than 2.0% of mass 174         | 1 ( 1.3 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 74.3                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.4 ( 7.2 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 72 ( 96.9 ) 1        |
| 177 | 5.0 - 9.0% of mass 176             | 4.8 ( 6.6 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID          | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|--------------------|---------------|-------------|---------------|---------------|
| VSTDCCC050         | VSTDCCC050    | VX048445.D  | 11/03/2025    | 09:14         |
| VX1103WBL01        | VX1103WBL01   | VX048447.D  | 11/03/2025    | 11:25         |
| VX1103WBS01        | VX1103WBS01   | VX048449.D  | 11/03/2025    | 12:21         |
| VX1103WBSD01       | VX1103WBSD01  | VX048450.D  | 11/03/2025    | 12:44         |
| PR132-FB2-20251021 | Q3422-02      | VX048458.D  | 11/03/2025    | 15:41         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
 BROMOFLUOROBENZENE (BFB)

 Lab Name: Alliance  
 Lab Code: ACE  
 Lab File ID: VY023383.D  
 Instrument ID: MSVOA\_Y  
 GC Column: RXI-624 ID: 0.25 (mm)

 Contract: AECO02  
 SDG NO.: Q3422  
 BFB Injection Date: 10/07/2025  
 BFB Injection Time: 08:43  
 Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 16.9                 |
| 75  | 30.0 - 60.0% of mass 95            | 48.1                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.6                  |
| 173 | Less than 2.0% of mass 174         | 0.9 ( 0.9 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 99.1                 |
| 175 | 5.0 - 9.0% of mass 174             | 7.3 ( 7.4 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 95.4 ( 96.2 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 6.3 ( 6.6 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-----------|---------------|-------------|---------------|---------------|
| VSTDIC005 | VSTDIC005     | VY023384.D  | 10/07/2025    | 09:17         |
| VSTDIC010 | VSTDIC010     | VY023385.D  | 10/07/2025    | 10:02         |
| VSTDIC020 | VSTDIC020     | VY023386.D  | 10/07/2025    | 11:24         |
| VSTDIC050 | VSTDIC050     | VY023387.D  | 10/07/2025    | 11:47         |
| VSTDIC100 | VSTDIC100     | VY023388.D  | 10/07/2025    | 12:09         |
| VSTDIC150 | VSTDIC150     | VY023389.D  | 10/07/2025    | 12:32         |



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
 BROMOFLUOROBENZENE (BFB)
Lab Name: AllianceContract: AECO02Lab Code: ACESDG NO.: Q3422Lab File ID: VY023542.DBFB Injection Date: 10/22/2025Instrument ID: MSVOA\_YBFB Injection Time: 09:00GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 15.8                 |
| 75  | 30.0 - 60.0% of mass 95            | 47.5                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.6                  |
| 173 | Less than 2.0% of mass 174         | 1 ( 1 ) 1            |
| 174 | 50.0 - 100.0% of mass 95           | 99.3                 |
| 175 | 5.0 - 9.0% of mass 174             | 7.2 ( 7.2 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 97.5 ( 98.2 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 6.3 ( 6.4 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID                 | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---------------------------|---------------|-------------|---------------|---------------|
| VSTDCCC050                | VSTDCCC050    | VY023543.D  | 10/22/2025    | 09:30         |
| VY1022SBL01               | VY1022SBL01   | VY023544.D  | 10/22/2025    | 10:00         |
| VY1022SBS01               | VY1022SBS01   | VY023545.D  | 10/22/2025    | 10:28         |
| VY1022SBSD01              | VY1022SBSD01  | VY023546.D  | 10/22/2025    | 10:51         |
| PR132-S15-000008-20251021 | Q3422-01      | VY023554.D  | 10/22/2025    | 16:22         |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02  
Lab Code: ACE SDG NO.: Q3422  
Lab File ID: VX048445.D Date Analyzed: 11/03/2025  
Instrument ID: MSVOA\_X Time Analyzed: 09:14  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                    | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|--------------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD        | 182398        | 5.53  | 256609        | 6.74  | 229985        | 10.04  |
| UPPER LIMIT        | 364796        | 6.032 | 513218        | 7.239 | 459970        | 10.537 |
| LOWER LIMIT        | 91199         | 5.032 | 128305        | 6.239 | 114993        | 9.537  |
| EPA SAMPLE NO.     |               |       |               |       |               |        |
| PR132-FB2-20251021 | 134520        | 5.54  | 239042        | 6.75  | 216803        | 10.04  |
| VX1103WBL01        | 160467        | 5.53  | 268071        | 6.74  | 290044        | 10.04  |
| VX1103WBS01        | 172640        | 5.53  | 288363        | 6.74  | 217740        | 10.04  |
| VX1103WBSD01       | 167391        | 5.54  | 243248        | 6.75  | 213899        | 10.04  |

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02  
 Lab Code: ACE SDG NO.: Q3422  
 Lab File ID: VX048445.D Date Analyzed: 11/03/2025  
 Instrument ID: MSVOA\_X Time Analyzed: 09:14  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                    | IS4<br>AREA # | RT #  |  |  |  |  |
|--------------------|---------------|-------|--|--|--|--|
| 12 HOUR STD        | 116056        | 12    |  |  |  |  |
| UPPER LIMIT        | 232112        | 12.5  |  |  |  |  |
| LOWER LIMIT        | 58028         | 11.5  |  |  |  |  |
| EPA SAMPLE NO.     |               |       |  |  |  |  |
| PR132-FB2-20251021 | 106541        | 12.01 |  |  |  |  |
| VX1103WBL01        | 117306        | 12.01 |  |  |  |  |
| VX1103WBS01        | 110522        | 12.01 |  |  |  |  |
| VX1103WBSD01       | 125216        | 12.01 |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02  
 Lab Code: ACE SDG NO.: Q3422  
 Lab File ID: VY023543.D Date Analyzed: 10/22/2025  
 Instrument ID: MSVOA\_Y Time Analyzed: 09:30  
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                           | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #  |
|---------------------------|---------------|-------|---------------|-------|---------------|-------|
| 12 HOUR STD               | 557873        | 7.71  | 806690        | 8.62  | 720008        | 11.42 |
| UPPER LIMIT               | 1115750       | 8.213 | 1613380       | 9.116 | 1440020       | 11.92 |
| LOWER LIMIT               | 278937        | 7.213 | 403345        | 8.116 | 360004        | 10.92 |
| EPA SAMPLE NO.            |               |       |               |       |               |       |
| PR132-S15-000008-20251021 | 828002        | 7.71  | 1318131       | 8.62  | 1124309       | 11.41 |
| VY1022SBL01               | 890059        | 7.71  | 1434768       | 8.62  | 1180185       | 11.42 |
| VY1022SBS01               | 546555        | 7.71  | 794303        | 8.62  | 700136        | 11.41 |
| VY1022SBSD01              | 542616        | 7.71  | 794200        | 8.62  | 691787        | 11.41 |

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02  
 Lab Code: ACE SDG NO.: Q3422  
 Lab File ID: VY023543.D Date Analyzed: 10/22/2025  
 Instrument ID: MSVOA\_Y Time Analyzed: 09:30  
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                           | IS4<br>AREA # | RT #   |  |  |  |  |
|---------------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD               | 373234        | 13.346 |  |  |  |  |
| UPPER LIMIT               | 746468        | 13.846 |  |  |  |  |
| LOWER LIMIT               | 186617        | 12.846 |  |  |  |  |
| EPA SAMPLE NO.            |               |        |  |  |  |  |
| PR132-S15-000008-20251021 | 514846        | 13.35  |  |  |  |  |
| VY1022SBL01               | 484557        | 13.35  |  |  |  |  |
| VY1022SBS01               | 365280        | 13.35  |  |  |  |  |
| VY1022SBSD01              | 364513        | 13.35  |  |  |  |  |

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

**Report of Analysis**

Client: AECOM  
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
 Client Sample ID: PR132-S15-000008-202510  
 Lab Sample ID: Q3422-01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 4.38 g

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 10/21/25  
 Date Received: 10/21/25  
 SDG No.: Q3422  
 Matrix: SOIL  
 % Solid: 58.1  
 Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |      |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 9.80  | U    | 1  | 2.20 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 74-87-3        | Chloromethane                  | 9.80  | U    | 1  | 2.20 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 75-01-4        | Vinyl Chloride                 | 9.80  | U    | 1  | 1.60 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 74-83-9        | Bromomethane                   | 9.80  | U    | 1  | 2.10 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 75-00-3        | Chloroethane                   | 9.80  | U    | 1  | 2.50 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 75-69-4        | Trichlorofluoromethane         | 9.80  | U    | 1  | 2.40 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 9.80  | U    | 1  | 2.10 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 75-35-4        | 1,1-Dichloroethene             | 9.80  | U    | 1  | 2.00 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 67-64-1        | Acetone                        | 65.6  |      | 1  | 9.30 | 49.1       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 75-15-0        | Carbon Disulfide               | 8.30  | J    | 1  | 2.10 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 1634-04-4      | Methyl tert-butyl Ether        | 9.80  | U    | 1  | 1.40 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 79-20-9        | Methyl Acetate                 | 9.80  | U    | 1  | 3.00 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 75-09-2        | Methylene Chloride             | 19.6  | U    | 1  | 6.90 | 19.6       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 156-60-5       | trans-1,2-Dichloroethene       | 9.80  | U    | 1  | 1.70 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 75-34-3        | 1,1-Dichloroethane             | 9.80  | U    | 1  | 1.60 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 110-82-7       | Cyclohexane                    | 9.80  | U    | 1  | 1.60 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 78-93-3        | 2-Butanone                     | 17.2  | J    | 1  | 12.8 | 49.1       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 56-23-5        | Carbon Tetrachloride           | 9.80  | U    | 1  | 1.90 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 156-59-2       | cis-1,2-Dichloroethene         | 9.80  | U    | 1  | 1.50 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 74-97-5        | Bromochloromethane             | 9.80  | U    | 1  | 2.30 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 67-66-3        | Chloroform                     | 9.80  | U    | 1  | 1.70 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 71-55-6        | 1,1,1-Trichloroethane          | 9.80  | U    | 1  | 1.80 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 108-87-2       | Methylcyclohexane              | 14.6  |      | 1  | 1.80 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 71-43-2        | Benzene                        | 9.80  | U    | 1  | 1.60 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 107-06-2       | 1,2-Dichloroethane             | 9.80  | U    | 1  | 1.60 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 79-01-6        | Trichloroethene                | 9.80  | U    | 1  | 1.60 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 78-87-5        | 1,2-Dichloropropane            | 9.80  | U    | 1  | 1.80 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 75-27-4        | Bromodichloromethane           | 9.80  | U    | 1  | 1.50 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 49.1  | U    | 1  | 7.00 | 49.1       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 108-88-3       | Toluene                        | 9.80  | U    | 1  | 1.50 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 10061-02-6     | t-1,3-Dichloropropene          | 9.80  | U    | 1  | 1.30 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 9.80  | U    | 1  | 1.20 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 79-00-5        | 1,1,2-Trichloroethane          | 9.80  | U    | 1  | 1.80 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 591-78-6       | 2-Hexanone                     | 49.1  | U    | 1  | 7.30 | 49.1       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 124-48-1       | Dibromochloromethane           | 9.80  | U    | 1  | 1.70 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 106-93-4       | 1,2-Dibromoethane              | 9.80  | U    | 1  | 1.70 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 127-18-4       | Tetrachloroethene              | 9.80  | U    | 1  | 2.10 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 108-90-7       | Chlorobenzene                  | 9.80  | U    | 1  | 1.80 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 100-41-4       | Ethyl Benzene                  | 9.80  | U    | 1  | 1.30 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 179601-23-1    | m/p-Xylenes                    | 19.6  | U    | 1  | 2.40 | 19.6       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 95-47-6        | o-Xylene                       | 9.80  | U    | 1  | 1.60 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 100-42-5       | Styrene                        | 9.80  | U    | 1  | 1.40 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |
| 75-25-2        | Bromoform                      | 9.80  | U    | 1  | 1.70 | 9.80       | ug/Kg | 10/22/25 16:22 | VY102225 |

### Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: | 10/21/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  | 10/21/25      |
| Client Sample ID:  | PR132-S15-000008-202510                          | SDG No.:        | Q3422         |
| Lab Sample ID:     | Q3422-01                                         | Matrix:         | SOIL          |
| Analytical Method: | 8260D                                            | % Solid:        | 58.1          |
| Sample Wt/Vol:     | 4.38 g                                           | Level:          | LOW           |
|                    |                                                  | Final Vol:      | 5000 uL       |
|                    |                                                  | Test:           | VOC-TCLVOA-10 |

| CAS Number                            | Parameter                        | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------------------|----------------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                               | Isopropylbenzene                 | 9.80              | U    | 1  | 1.50     | 9.80       | ug/Kg   | 10/22/25 16:22 | VY102225 |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane        | 9.80              | U    | 1  | 2.40     | 9.80       | ug/Kg   | 10/22/25 16:22 | VY102225 |
| 541-73-1                              | 1,3-Dichlorobenzene              | 9.80              | U    | 1  | 3.40     | 9.80       | ug/Kg   | 10/22/25 16:22 | VY102225 |
| 106-46-7                              | 1,4-Dichlorobenzene              | 9.80              | U    | 1  | 3.10     | 9.80       | ug/Kg   | 10/22/25 16:22 | VY102225 |
| 95-50-1                               | 1,2-Dichlorobenzene              | 9.80              | U    | 1  | 2.80     | 9.80       | ug/Kg   | 10/22/25 16:22 | VY102225 |
| 96-12-8                               | 1,2-Dibromo-3-Chloropropane      | 9.80              | U    | 1  | 3.60     | 9.80       | ug/Kg   | 10/22/25 16:22 | VY102225 |
| 120-82-1                              | 1,2,4-Trichlorobenzene           | 9.80              | U    | 1  | 5.80     | 9.80       | ug/Kg   | 10/22/25 16:22 | VY102225 |
| 87-61-6                               | 1,2,3-Trichlorobenzene           | 9.80              | U    | 1  | 6.20     | 9.80       | ug/Kg   | 10/22/25 16:22 | VY102225 |
| <b>SURROGATES</b>                     |                                  |                   |      |    |          |            |         |                |          |
| 17060-07-0                            | 1,2-Dichloroethane-d4            | 50.2              |      |    | 63 - 155 | 100%       | SPK: 50 |                |          |
| 1868-53-7                             | Dibromofluoromethane             | 49.8              |      |    | 70 - 134 | 100%       | SPK: 50 |                |          |
| 2037-26-5                             | Toluene-d8                       | 49.8              |      |    | 74 - 123 | 100%       | SPK: 50 |                |          |
| 460-00-4                              | 4-Bromofluorobenzene             | 48.3              |      |    | 17 - 146 | 97%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b>             |                                  |                   |      |    |          |            |         |                |          |
|                                       |                                  | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                              | Pentafluorobenzene               | 828000            |      |    |          |            |         |                |          |
| 540-36-3                              | 1,4-Difluorobenzene              | 1320000           |      |    |          |            |         |                |          |
| 3114-55-4                             | Chlorobenzene-d5                 | 1120000           |      |    |          |            |         |                |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 515000            |      |    |          |            |         |                |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |                   |      |    |          |            |         |                |          |
| 75-65-0                               | Tert butyl alcohol               | 63.6              | J    |    |          | 4.87       | ug/Kg   |                |          |
| 000091-17-8                           | Naphthalene, decahydro-          | 45.6              | J    |    |          | 13.7       | ug/Kg   |                |          |
| 002958-76-1                           | Naphthalene, decahydro-2-methyl- | 61.4              | J    |    |          | 14.2       | ug/Kg   |                |          |

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\_Y\Data\VY102225\  
Data File : VY023554.D  
Acq On : 22 Oct 2025 16:22  
Operator : SY/MD  
Sample : Q3422-01  
Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PR132-S15-000008-20251021

Quant Time: Oct 24 02:36:48 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

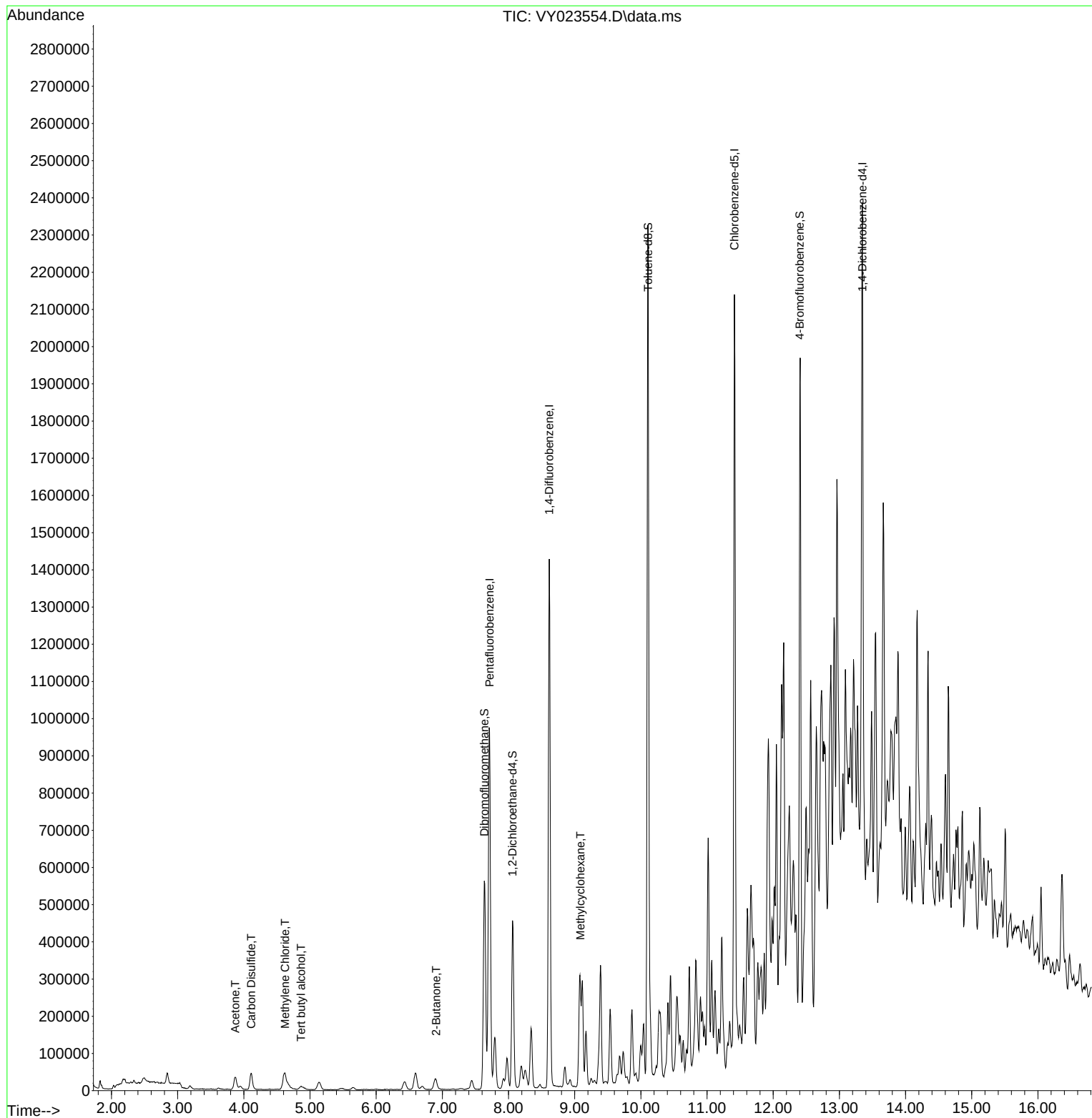
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.713     | 168   | 828002   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.615     | 114   | 1318131  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.414    | 117   | 1124309  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346    | 152   | 514846   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.061     | 65    | 347588   | 50.201   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | =      | 100.400% |
| 35) Dibromofluoromethane    | 7.634     | 113   | 403047   | 49.763   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | =      | 99.520%  |
| 50) Toluene-d8              | 10.109    | 98    | 1501805  | 49.790   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | =      | 99.580%  |
| 62) 4-Bromofluorobenzene    | 12.401    | 95    | 481218   | 48.324   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | =      | 96.640%  |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          |        | Qvalue   |
| 11) Tert butyl alcohol      | 4.866     | 59    | 16683    | 32.388   | ug/l   | 97       |
| 16) Acetone                 | 3.872     | 43    | 55038    | 33.390   | ug/l   | 97       |
| 17) Carbon Disulfide        | 4.110     | 76    | 89341    | 4.226    | ug/l   | 99       |
| 20) Methylene Chloride      | 4.622     | 84    | 25987    | 2.916    | ug/l   | 98       |
| 25) 2-Butanone              | 6.908     | 43    | 17633    | 8.762    | ug/l   | 88       |
| 39) Methylcyclohexane       | 9.085     | 83    | 103880   | 7.441    | ug/l # | 43       |

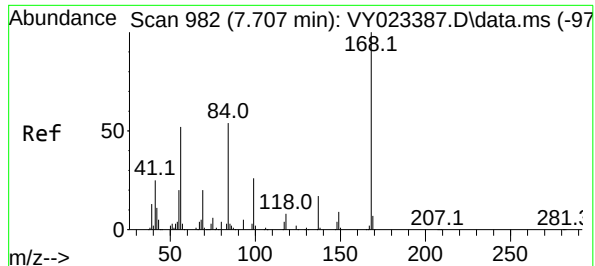
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023554.D  
Acq On : 22 Oct 2025 16:22  
Operator : SY/MD  
Sample : Q3422-01  
Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PR132-S15-000008-20251021

Quant Time: Oct 24 02:36:48 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

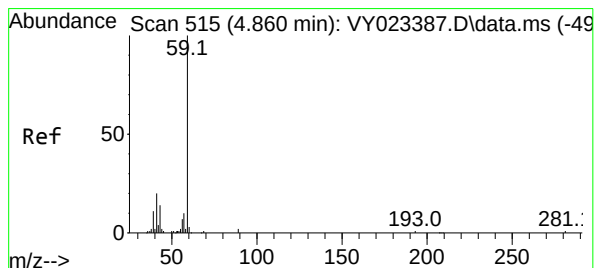
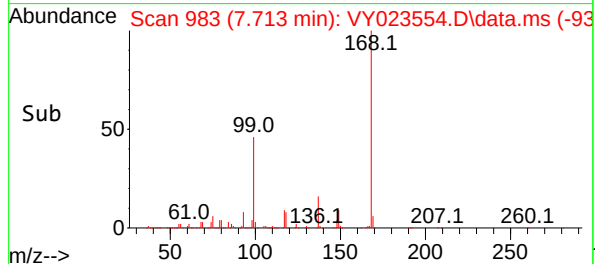
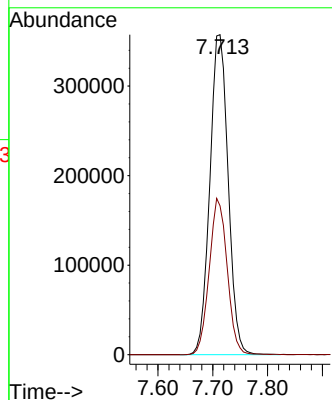
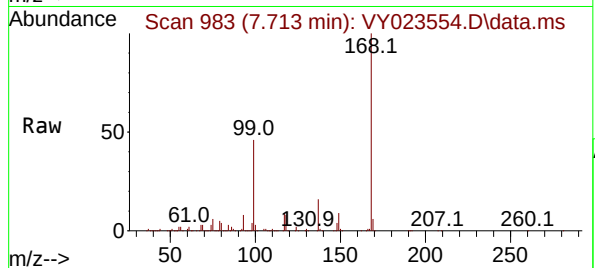




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VY023554.D  
Acq: 22 Oct 2025 16:22

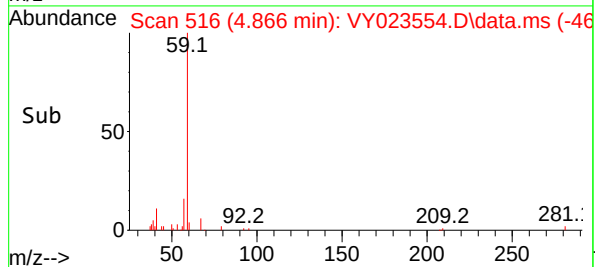
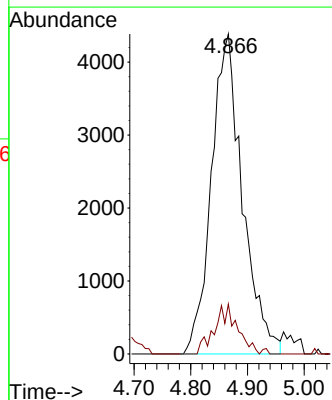
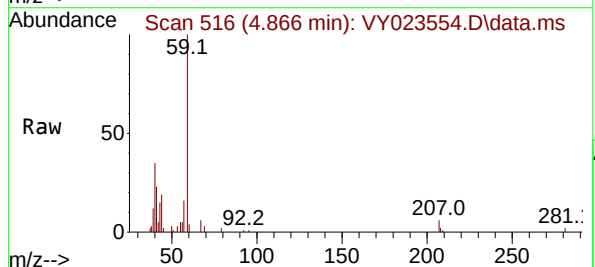
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PR132-S15-000008-20251021

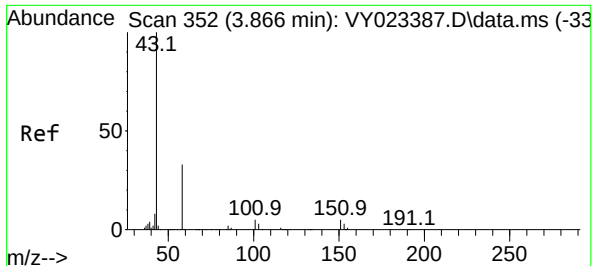
Tgt Ion:168 Resp: 828002  
Ion Ratio Lower Upper  
168 100  
99 46.5 39.7 59.5



#11  
Tert butyl alcohol  
Concen: 32.388 ug/l  
RT: 4.866 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: VY023554.D  
Acq: 22 Oct 2025 16:22

Tgt Ion: 59 Resp: 16683  
Ion Ratio Lower Upper  
59 100  
57 11.4 8.3 12.5





#16

Acetone

Concen: 33.390 ug/l

RT: 3.872 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY023554.D

Acq: 22 Oct 2025 16:22

Instrument :

MSVOA\_Y

ClientSampleId :

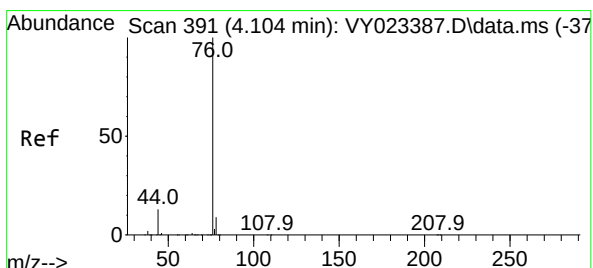
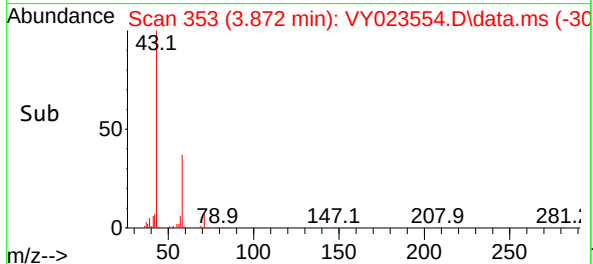
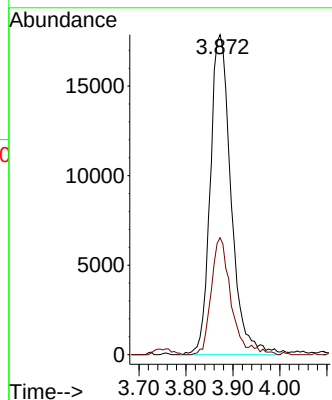
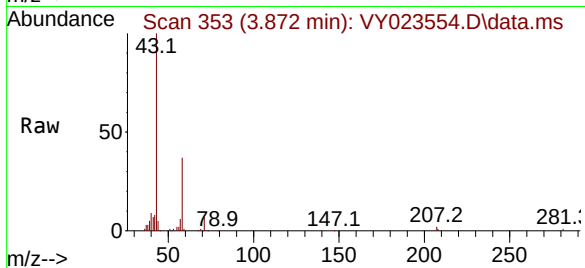
PR132-S15-000008-20251021

Tgt Ion: 43 Resp: 55038

Ion Ratio Lower Upper

43 100

58 36.6 27.7 41.5



#17

Carbon Disulfide

Concen: 4.226 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.006 min

Lab File: VY023554.D

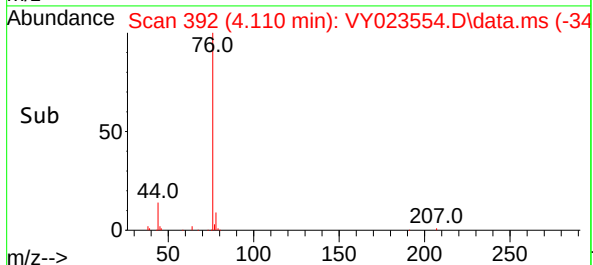
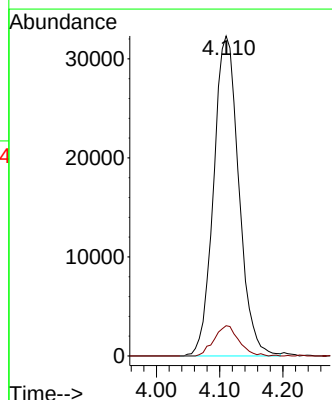
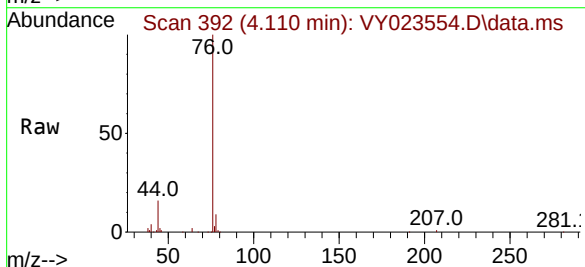
Acq: 22 Oct 2025 16:22

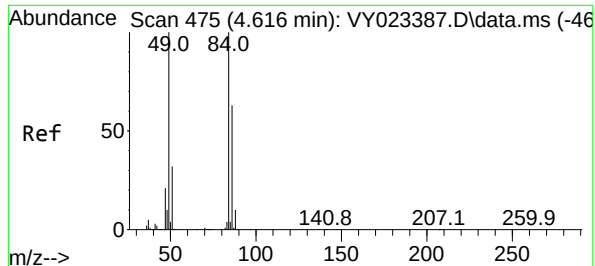
Tgt Ion: 76 Resp: 89341

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9





#20

Methylene Chloride

Concen: 2.916 ug/l

RT: 4.622 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY023554.D

Acq: 22 Oct 2025 16:22

Instrument :

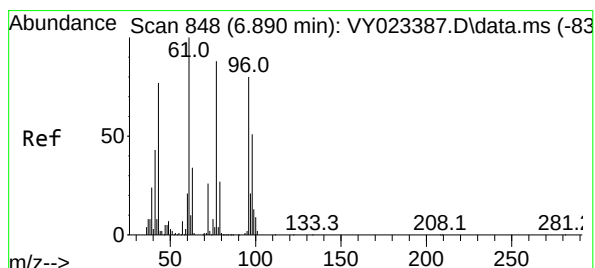
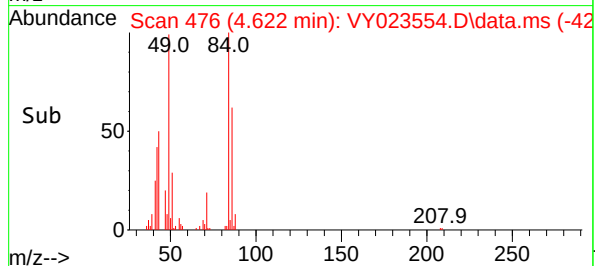
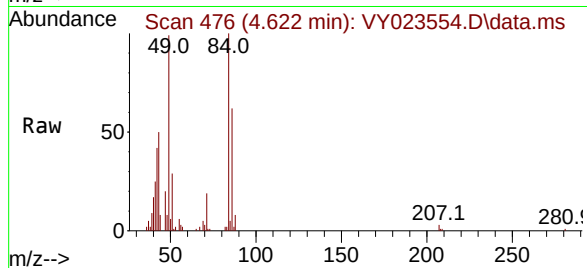
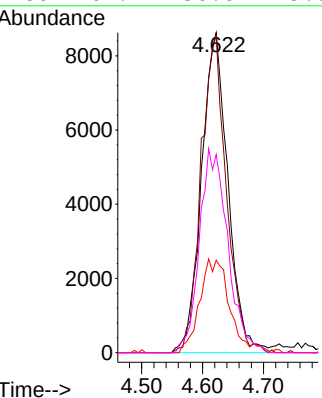
MSVOA\_Y

ClientSampleId :

PR132-S15-000008-20251021

Tgt Ion: 84 Resp: 25987

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 99.2  | 80.2  | 120.4 |
| 51  | 28.9  | 25.9  | 38.9  |
| 86  | 61.9  | 50.6  | 75.8  |



#25

2-Butanone

Concen: 8.762 ug/l

RT: 6.908 min Scan# 851

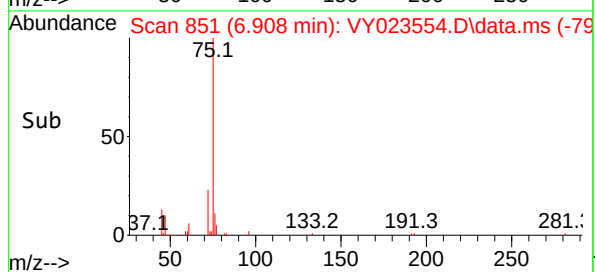
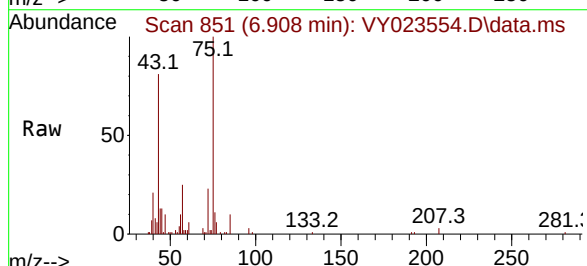
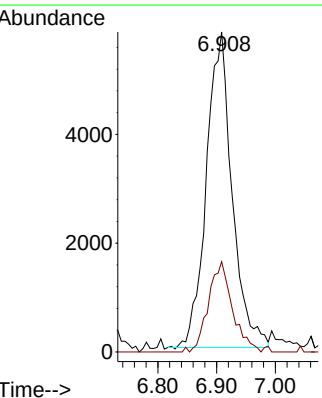
Delta R.T. 0.018 min

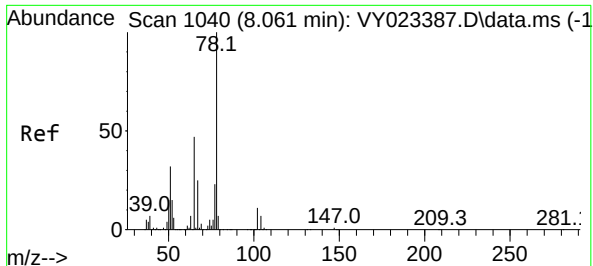
Lab File: VY023554.D

Acq: 22 Oct 2025 16:22

Tgt Ion: 43 Resp: 17633

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 27.4  | 27.4  | 41.2  |





#33

1,2-Dichloroethane-d4

Concen: 50.201 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023554.D

Acq: 22 Oct 2025 16:22

Instrument :

MSVOA\_Y

ClientSampleId :

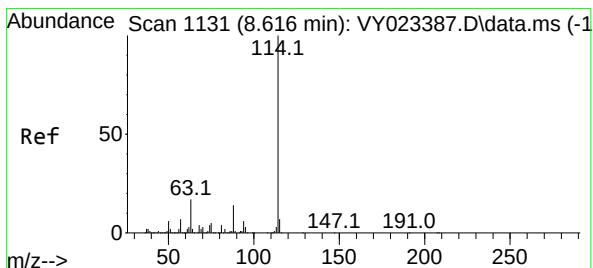
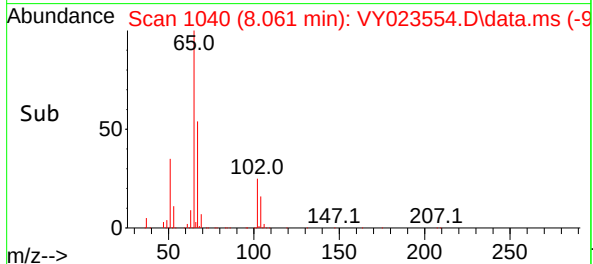
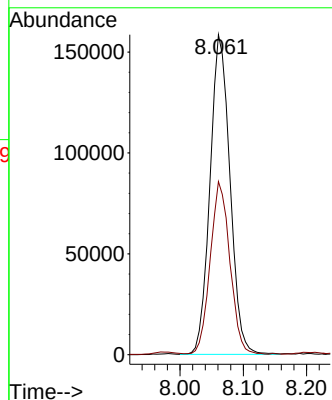
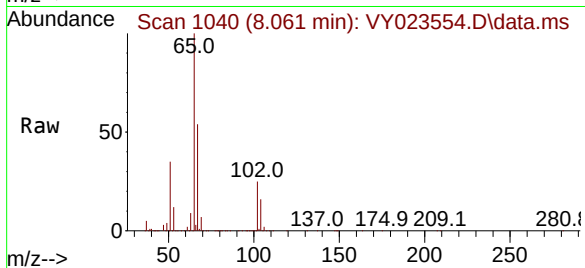
PR132-S15-000008-20251021

Tgt Ion: 65 Resp: 347588

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023554.D

Acq: 22 Oct 2025 16:22

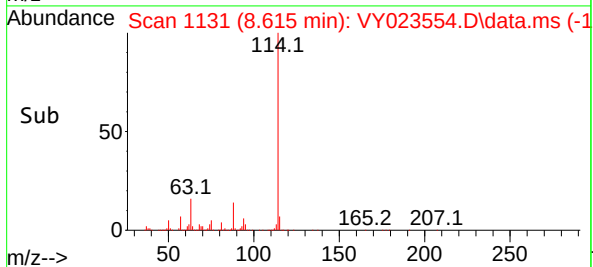
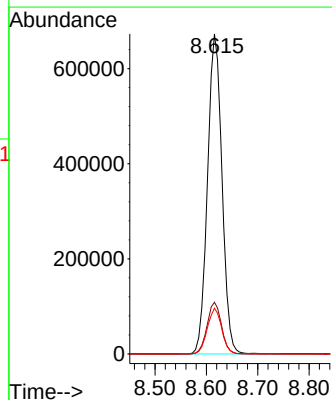
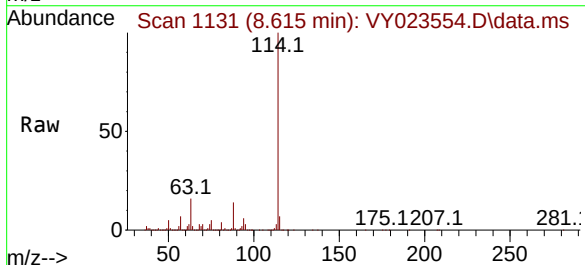
Tgt Ion: 114 Resp: 1318131

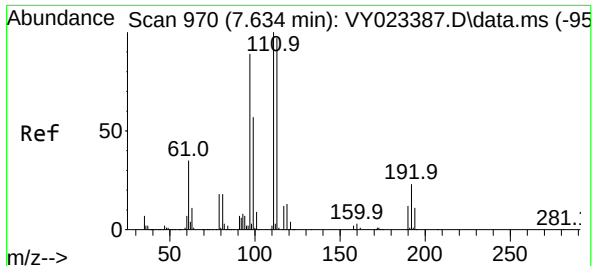
Ion Ratio Lower Upper

114 100

63 16.1 0.0 34.2

88 14.3 0.0 28.4





#35

Dibromofluoromethane

Concen: 49.763 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023554.D

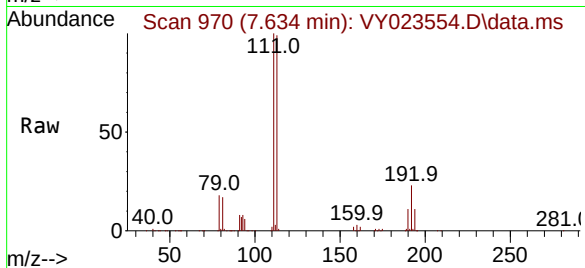
Acq: 22 Oct 2025 16:22

Instrument :

MSVOA\_Y

ClientSampleId :

PR132-S15-000008-20251021



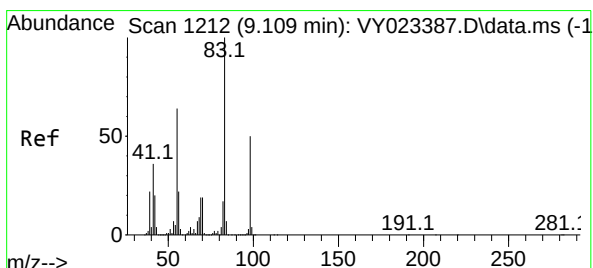
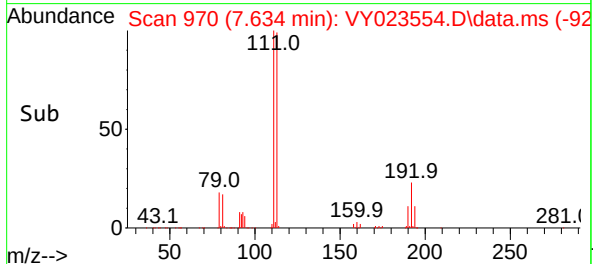
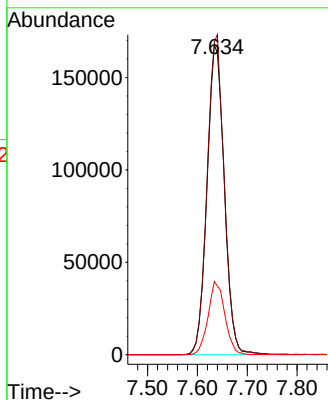
Tgt Ion:113 Resp: 403047

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

192 23.0 18.0 27.0



#39

Methylcyclohexane

Concen: 7.441 ug/l

RT: 9.085 min Scan# 1208

Delta R.T. -0.025 min

Lab File: VY023554.D

Acq: 22 Oct 2025 16:22

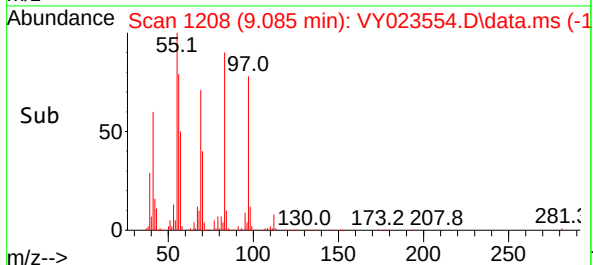
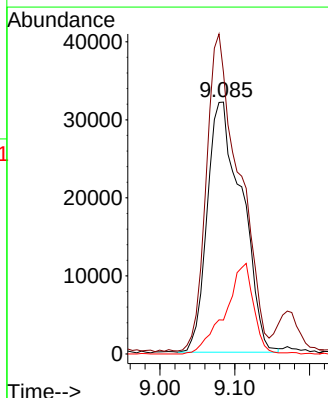
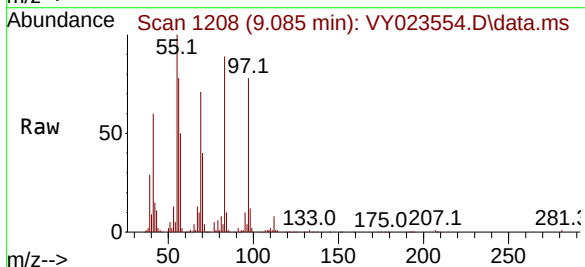
Tgt Ion: 83 Resp: 103880

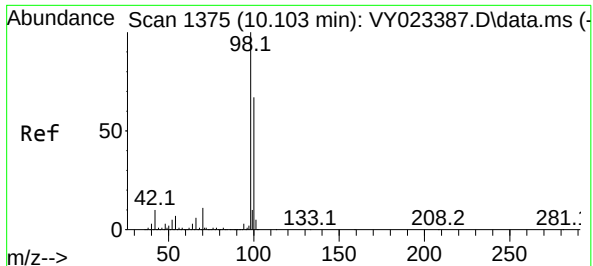
Ion Ratio Lower Upper

83 100

55 111.3 51.4 77.2#

98 13.6 40.4 60.6#





#50

Toluene-d8

Concen: 49.790 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023554.D

Acq: 22 Oct 2025 16:22

Instrument :

MSVOA\_Y

ClientSampleId :

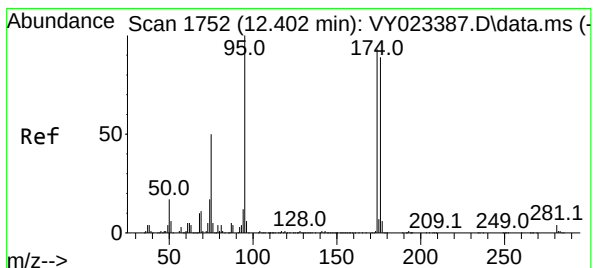
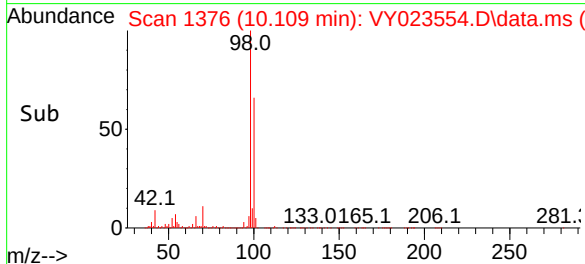
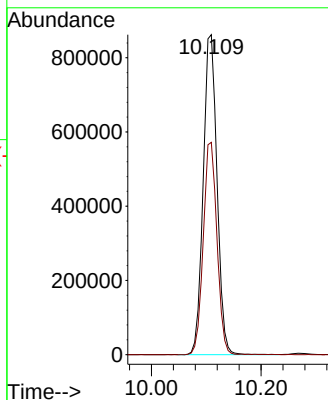
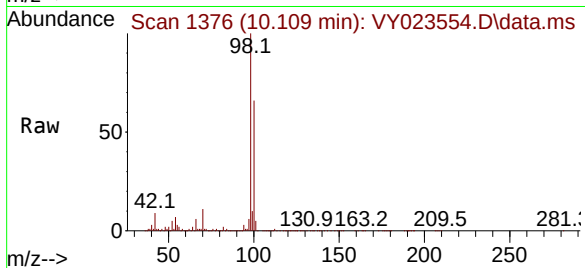
PR132-S15-000008-20251021

Tgt Ion: 98 Resp: 1501805

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 48.324 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY023554.D

Acq: 22 Oct 2025 16:22

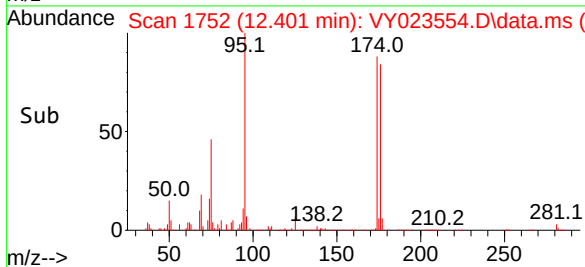
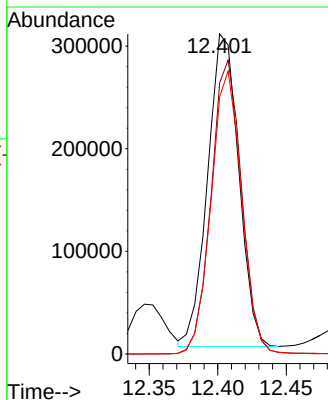
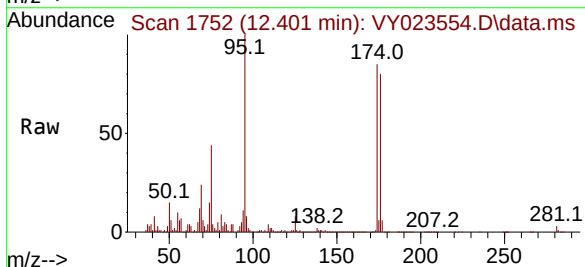
Tgt Ion: 95 Resp: 481218

Ion Ratio Lower Upper

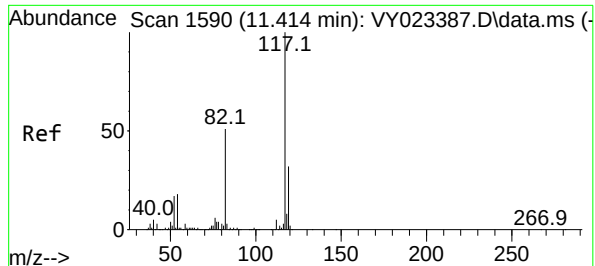
95 100

174 92.4 0.0 192.8

176 88.9 0.0 187.6







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023554.D

Acq: 22 Oct 2025 16:22

Instrument :

MSVOA\_Y

ClientSampleId :

PR132-S15-000008-20251021

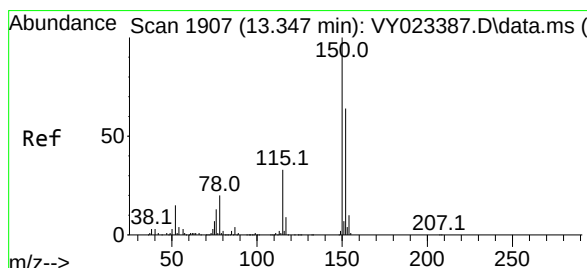
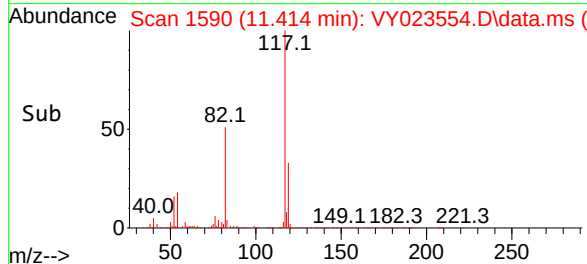
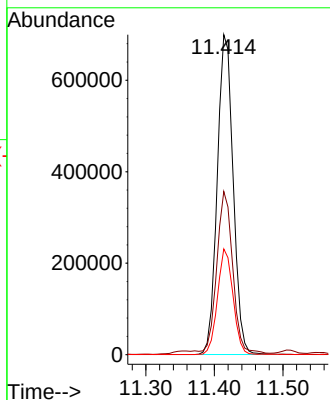
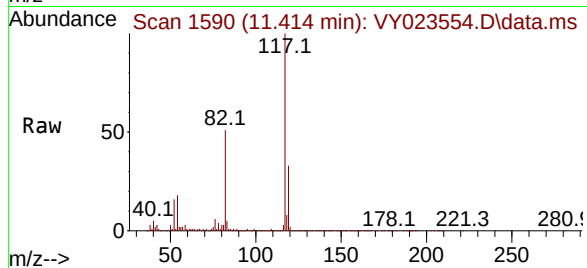
Tgt Ion:117 Resp: 1124309

Ion Ratio Lower Upper

117 100

82 50.3 41.0 61.4

119 33.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023554.D

Acq: 22 Oct 2025 16:22

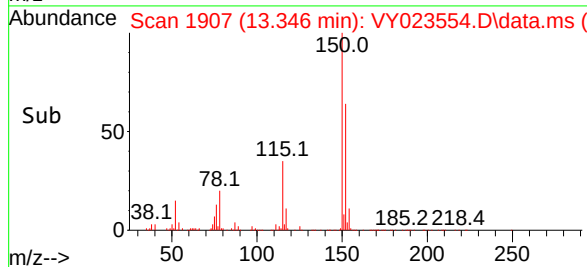
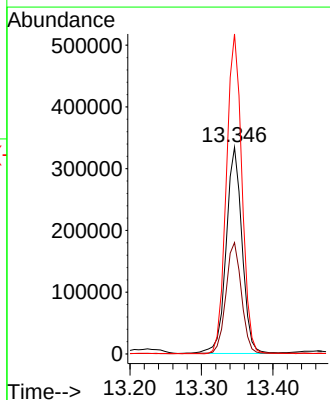
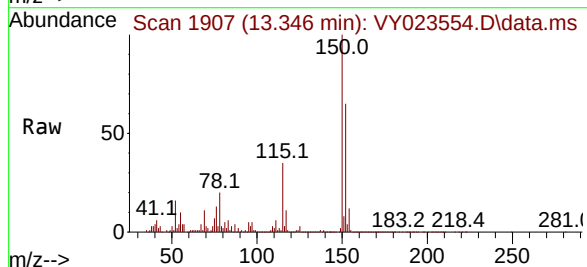
Tgt Ion:152 Resp: 514846

Ion Ratio Lower Upper

152 100

115 52.9 27.1 81.2

150 151.7 0.0 347.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023554.D  
Acq On : 22 Oct 2025 16:22  
Operator : SY/MD  
Sample : Q3422-01  
Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PR132-S15-000008-20251021

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y1007255.M

Title : SW846 8260

Signal : TIC: VY023554.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.842       | 179           | 184         | 191          | rVB      | 27618          | 57554         | 1.35%           | 0.082%        |
| 2         | 3.872       | 341           | 353         | 360          | rBV      | 33400          | 105513        | 2.47%           | 0.151%        |
| 3         | 4.110       | 383           | 392         | 406          | rVB      | 43389          | 121103        | 2.84%           | 0.173%        |
| 4         | 4.622       | 463           | 476         | 495          | rBV4     | 44435          | 204128        | 4.78%           | 0.291%        |
| 5         | 5.134       | 548           | 560         | 575          | rVB2     | 20341          | 74775         | 1.75%           | 0.107%        |
| 6         | 6.427       | 761           | 772         | 785          | rBV3     | 20967          | 74022         | 1.73%           | 0.106%        |
| 7         | 6.591       | 788           | 799         | 810          | rVV4     | 44241          | 148098        | 3.47%           | 0.211%        |
| 8         | 6.896       | 838           | 849         | 864          | rBV4     | 29264          | 101429        | 2.38%           | 0.145%        |
| 9         | 7.445       | 929           | 939         | 950          | rVB3     | 23521          | 68350         | 1.60%           | 0.098%        |
| 10        | 7.634       | 957           | 970         | 976          | rBV      | 560563         | 1351333       | 31.65%          | 1.928%        |
| 11        | 7.707       | 976           | 982         | 990          | rVV      | 972514         | 2263658       | 53.02%          | 3.229%        |
| 12        | 7.792       | 990           | 996         | 1009         | rVV2     | 138338         | 364652        | 8.54%           | 0.520%        |
| 13        | 7.927       | 1010          | 1018        | 1020         | rVV3     | 27269          | 60887         | 1.43%           | 0.087%        |
| 14        | 7.975       | 1020          | 1026        | 1033         | rVV      | 81952          | 207528        | 4.86%           | 0.296%        |
| 15        | 8.061       | 1033          | 1040        | 1052         | rVV      | 451233         | 1003291       | 23.50%          | 1.431%        |
| 16        | 8.195       | 1053          | 1062        | 1067         | rVV3     | 59586          | 163470        | 3.83%           | 0.233%        |
| 17        | 8.250       | 1067          | 1071        | 1079         | rVV2     | 48170          | 140340        | 3.29%           | 0.200%        |
| 18        | 8.341       | 1079          | 1086        | 1096         | rVB      | 160137         | 368000        | 8.62%           | 0.525%        |
| 19        | 8.615       | 1122          | 1131        | 1144         | rBV      | 1421669        | 2802430       | 65.64%          | 3.998%        |
| 20        | 8.853       | 1162          | 1170        | 1176         | rBV2     | 53577          | 122136        | 2.86%           | 0.174%        |
| 21        | 9.079       | 1197          | 1207        | 1210         | rBV2     | 300496         | 676642        | 15.85%          | 0.965%        |
| 22        | 9.115       | 1210          | 1213        | 1218         | rVV      | 281619         | 503248        | 11.79%          | 0.718%        |
| 23        | 9.170       | 1218          | 1222        | 1230         | rVB2     | 144217         | 270584        | 6.34%           | 0.386%        |
| 24        | 9.390       | 1248          | 1258        | 1265         | rBV      | 317905         | 701487        | 16.43%          | 1.001%        |
| 25        | 9.536       | 1275          | 1282        | 1291         | rBV2     | 199685         | 399721        | 9.36%           | 0.570%        |
| 26        | 9.676       | 1301          | 1305        | 1310         | rVV3     | 62649          | 127849        | 2.99%           | 0.182%        |
| 27        | 9.731       | 1310          | 1314        | 1320         | rVB3     | 69748          | 142274        | 3.33%           | 0.203%        |
| 28        | 9.865       | 1329          | 1336        | 1342         | rBV      | 198479         | 411805        | 9.65%           | 0.587%        |
| 29        | 9.999       | 1351          | 1358        | 1360         | rBV2     | 96061          | 183855        | 4.31%           | 0.262%        |
| 30        | 10.042      | 1360          | 1365        | 1369         | rVV2     | 147918         | 289919        | 6.79%           | 0.414%        |
| 31        | 10.103      | 1369          | 1375        | 1388         | rVB      | 2286547        | 4269234       | 100.00%         | 6.090%        |
| 32        | 10.274      | 1398          | 1403        | 1404         | rBV      | 150106         | 210376        | 4.93%           | 0.300%        |
| 33        | 10.408      | 1415          | 1425        | 1428         | rBV      | 199630         | 408148        | 9.56%           | 0.582%        |
| 34        | 10.444      | 1428          | 1431        | 1438         | rVB      | 257026         | 442459        | 10.36%          | 0.631%        |
| 35        | 10.542      | 1440          | 1447        | 1453         | rBV4     | 195249         | 514713        | 12.06%          | 0.734%        |
| 36        | 10.591      | 1453          | 1455        | 1459         | rVB2     | 71354          | 95421         | 2.24%           | 0.136%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023554.D  
Acq On : 22 Oct 2025 16:22  
Operator : SY/MD  
Sample : Q3422-01  
Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PR132-S15-000008-20251021

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 10.640 | 1459 | 1463 | 1467 | rVB3 | 82489   | 125514  | 2.94%  | 0.179% |
| 38 | 10.688 | 1467 | 1471 | 1473 | rBV  | 56611   | 87135   | 2.04%  | 0.124% |
| 39 | 10.731 | 1473 | 1478 | 1484 | rVB  | 266964  | 447459  | 10.48% | 0.638% |
| 40 | 10.829 | 1485 | 1494 | 1502 | rBV  | 281347  | 745114  | 17.45% | 1.063% |
| 41 | 10.902 | 1502 | 1506 | 1508 | rBV  | 144535  | 219185  | 5.13%  | 0.313% |
| 42 | 10.963 | 1514 | 1516 | 1519 | rVB  | 51106   | 53500   | 1.25%  | 0.076% |
| 43 | 11.017 | 1519 | 1525 | 1530 | rBV  | 557986  | 997349  | 23.36% | 1.423% |
| 44 | 11.072 | 1530 | 1534 | 1538 | rVB2 | 209243  | 291832  | 6.84%  | 0.416% |
| 45 | 11.121 | 1538 | 1542 | 1547 | rVB3 | 170253  | 298478  | 6.99%  | 0.426% |
| 46 | 11.176 | 1547 | 1551 | 1554 | rBV  | 67329   | 99957   | 2.34%  | 0.143% |
| 47 | 11.225 | 1554 | 1559 | 1568 | rVB  | 350610  | 746081  | 17.48% | 1.064% |
| 48 | 11.310 | 1568 | 1573 | 1574 | rBV  | 65812   | 92726   | 2.17%  | 0.132% |
| 49 | 11.341 | 1575 | 1578 | 1582 | rVB4 | 69744   | 95811   | 2.24%  | 0.137% |
| 50 | 11.414 | 1584 | 1590 | 1600 | rBV  | 2019875 | 3366909 | 78.86% | 4.803% |
| 51 | 11.493 | 1600 | 1603 | 1608 | rVB3 | 50121   | 82786   | 1.94%  | 0.118% |
| 52 | 11.554 | 1608 | 1613 | 1617 | rBV  | 178425  | 278957  | 6.53%  | 0.398% |
| 53 | 11.609 | 1617 | 1622 | 1626 | rBV2 | 336740  | 666664  | 15.62% | 0.951% |
| 54 | 11.664 | 1626 | 1631 | 1635 | rBV2 | 241338  | 452176  | 10.59% | 0.645% |
| 55 | 11.767 | 1643 | 1648 | 1651 | rBV2 | 218125  | 408550  | 9.57%  | 0.583% |
| 56 | 11.816 | 1651 | 1656 | 1660 | rVV5 | 177841  | 405790  | 9.50%  | 0.579% |
| 57 | 11.865 | 1660 | 1664 | 1667 | rVV2 | 186354  | 247330  | 5.79%  | 0.353% |
| 58 | 11.926 | 1667 | 1674 | 1681 | rVV4 | 739338  | 1951113 | 45.70% | 2.783% |
| 59 | 11.981 | 1681 | 1683 | 1686 | rVV2 | 212476  | 313988  | 7.35%  | 0.448% |
| 60 | 12.017 | 1686 | 1689 | 1691 | rVV2 | 281455  | 447310  | 10.48% | 0.638% |
| 61 | 12.048 | 1691 | 1694 | 1698 | rVB  | 652009  | 855618  | 20.04% | 1.221% |
| 62 | 12.090 | 1698 | 1701 | 1702 | rBV  | 129477  | 153392  | 3.59%  | 0.219% |
| 63 | 12.127 | 1702 | 1707 | 1709 | rVV3 | 769749  | 1329477 | 31.14% | 1.897% |
| 64 | 12.158 | 1709 | 1712 | 1717 | rVB  | 870085  | 1352561 | 31.68% | 1.929% |
| 65 | 12.243 | 1717 | 1726 | 1731 | rBV8 | 429653  | 1234319 | 28.91% | 1.761% |
| 66 | 12.304 | 1733 | 1736 | 1740 | rVB4 | 194621  | 345895  | 8.10%  | 0.493% |
| 67 | 12.407 | 1747 | 1753 | 1758 | rVB  | 1733228 | 2806834 | 65.75% | 4.004% |
| 68 | 12.499 | 1758 | 1768 | 1771 | rBV5 | 524655  | 1383492 | 32.41% | 1.974% |
| 69 | 12.566 | 1775 | 1779 | 1786 | rVB3 | 878453  | 1662162 | 38.93% | 2.371% |
| 70 | 12.651 | 1786 | 1793 | 1800 | rBV5 | 754334  | 2196450 | 51.45% | 3.133% |
| 71 | 12.731 | 1800 | 1806 | 1810 | rBV5 | 540016  | 1444009 | 33.82% | 2.060% |
| 72 | 12.871 | 1821 | 1829 | 1833 | rBV3 | 641033  | 1619594 | 37.94% | 2.310% |
| 73 | 12.920 | 1833 | 1837 | 1841 | rVV3 | 683507  | 1280206 | 29.99% | 1.826% |
| 74 | 12.962 | 1841 | 1844 | 1853 | rVB5 | 987477  | 1883465 | 44.12% | 2.687% |
| 75 | 13.090 | 1861 | 1865 | 1872 | rBV6 | 436222  | 893490  | 20.93% | 1.275% |
| 76 | 13.212 | 1882 | 1885 | 1892 | rVV4 | 401800  | 852707  | 19.97% | 1.216% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023554.D  
Acq On : 22 Oct 2025 16:22  
Operator : SY/MD  
Sample : Q3422-01  
Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PR132-S15-000008-20251021

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 77 | 13.273 | 1892 | 1895 | 1900 | rVV3 | 351280  | 502034  | 11.76% | 0.716% |
| 78 | 13.346 | 1901 | 1907 | 1915 | rVB  | 1820798 | 3287815 | 77.01% | 4.690% |
| 79 | 13.487 | 1926 | 1930 | 1934 | rVB3 | 432016  | 638202  | 14.95% | 0.910% |
| 80 | 13.548 | 1934 | 1940 | 1945 | rVB  | 725601  | 1491459 | 34.94% | 2.128% |
| 81 | 13.663 | 1954 | 1959 | 1965 | rBV5 | 877458  | 1527046 | 35.77% | 2.178% |
| 82 | 13.883 | 1993 | 1995 | 2001 | rVB5 | 485144  | 675813  | 15.83% | 0.964% |
| 83 | 13.993 | 2010 | 2013 | 2017 | rVB5 | 194078  | 275272  | 6.45%  | 0.393% |
| 84 | 14.060 | 2019 | 2024 | 2030 | rVB5 | 310294  | 667959  | 15.65% | 0.953% |
| 85 | 14.114 | 2030 | 2033 | 2038 | rBV5 | 164429  | 284756  | 6.67%  | 0.406% |
| 86 | 14.175 | 2038 | 2043 | 2058 | rVB5 | 790333  | 2055735 | 48.15% | 2.933% |
| 87 | 14.340 | 2066 | 2070 | 2074 | rVB2 | 588085  | 797227  | 18.67% | 1.137% |
| 88 | 14.535 | 2099 | 2102 | 2107 | rVV6 | 150003  | 213420  | 5.00%  | 0.304% |
| 89 | 14.602 | 2108 | 2113 | 2117 | rVV4 | 346965  | 670607  | 15.71% | 0.957% |
| 90 | 14.645 | 2117 | 2120 | 2127 | rVB3 | 595125  | 942628  | 22.08% | 1.345% |
| 91 | 14.761 | 2137 | 2139 | 2142 | rBV2 | 132096  | 180119  | 4.22%  | 0.257% |
| 92 | 14.858 | 2152 | 2155 | 2158 | rVB3 | 311902  | 416282  | 9.75%  | 0.594% |
| 93 | 15.120 | 2195 | 2198 | 2204 | rBV3 | 251206  | 383669  | 8.99%  | 0.547% |
| 94 | 15.504 | 2257 | 2261 | 2266 | rVB3 | 318278  | 565831  | 13.25% | 0.807% |
| 95 | 16.047 | 2346 | 2350 | 2356 | rVB4 | 222274  | 371641  | 8.71%  | 0.530% |
| 96 | 16.364 | 2397 | 2402 | 2408 | rVB2 | 236073  | 486749  | 11.40% | 0.694% |

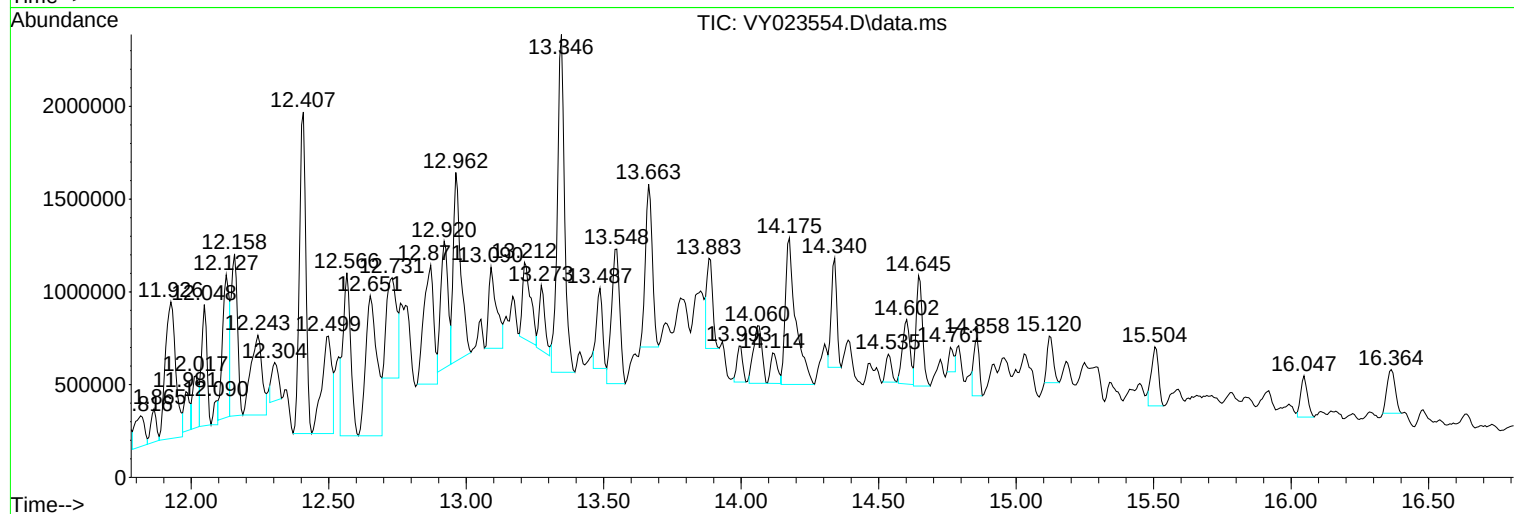
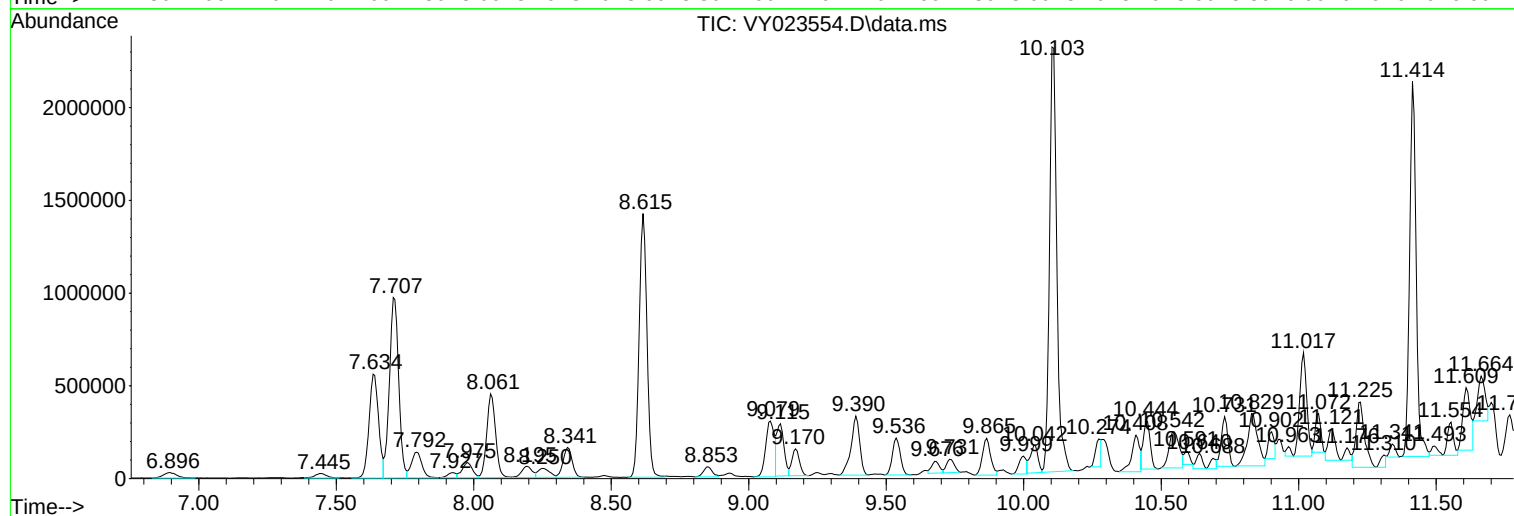
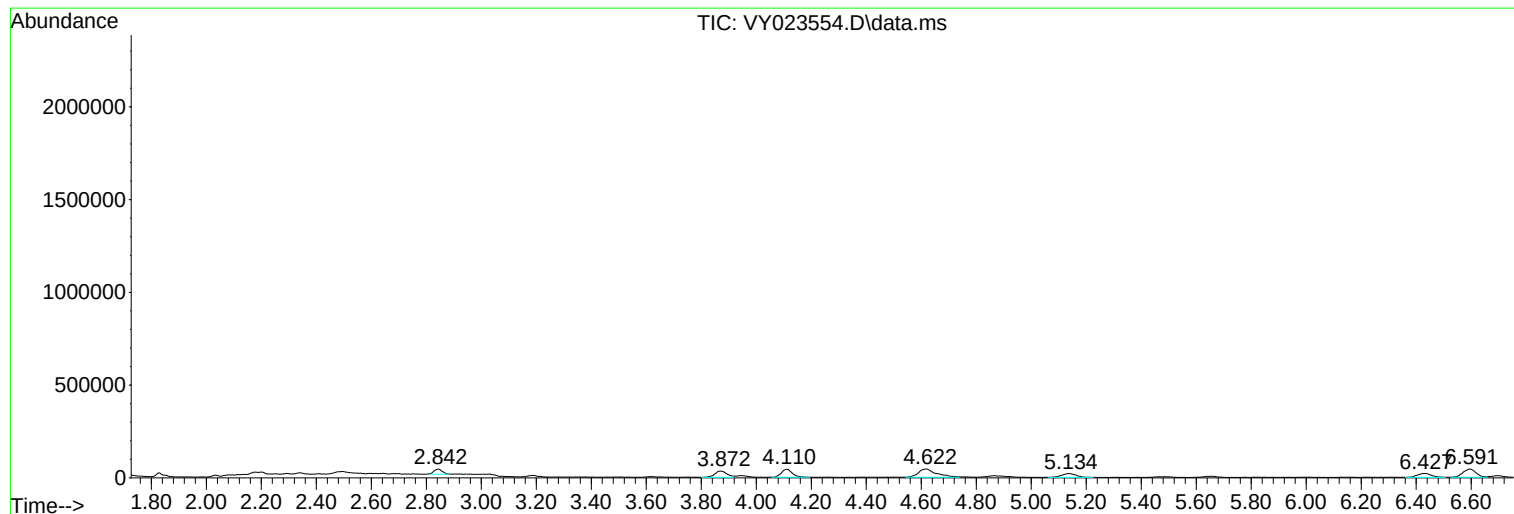
Sum of corrected areas: 70100081

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023554.D  
Acq On : 22 Oct 2025 16:22  
Operator : SY/MD  
Sample : Q3422-01  
Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PR132-S15-000008-20251021

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023554.D  
Acq On : 22 Oct 2025 16:22  
Operator : SY/MD  
Sample : Q3422-01  
Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

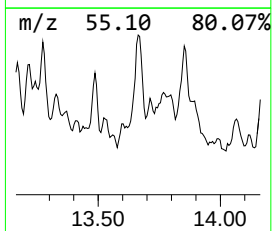
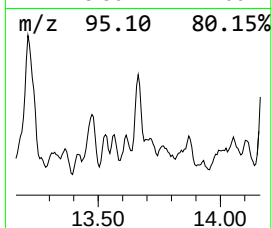
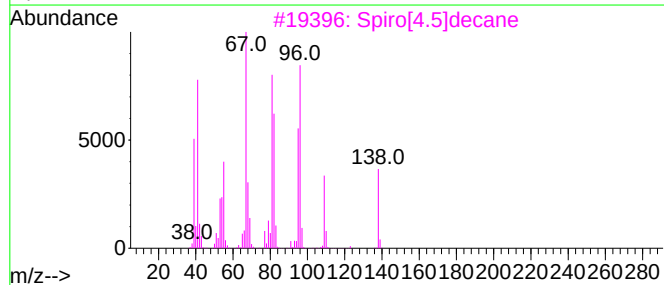
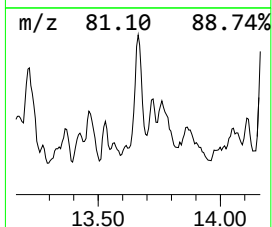
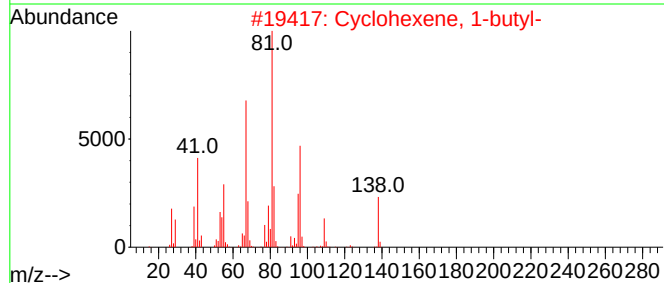
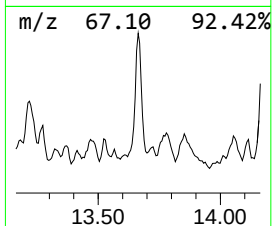
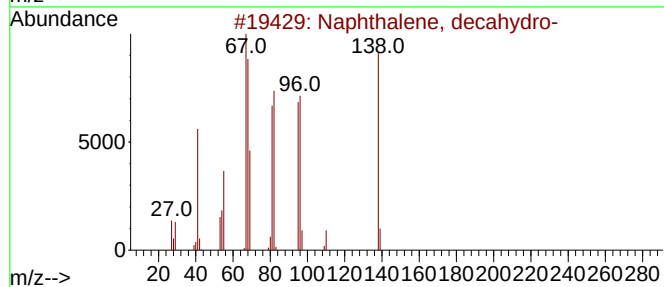
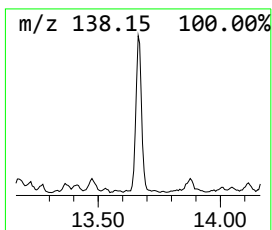
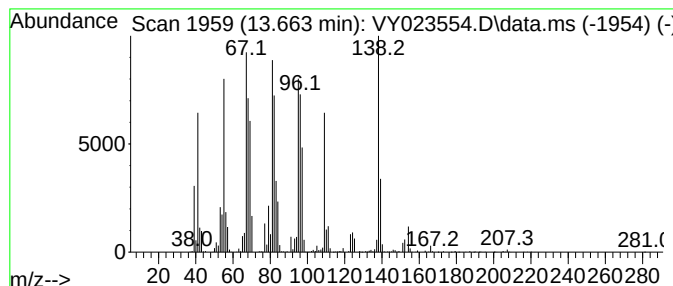
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PR132-S15-000008-20251021

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

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

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Peak Number 9 Naphthalene, decahydro- Concentration Rank 7

| R.T.      | EstConc                             | Area    | Relative to ISTD       |         |             | R.T.   |
|-----------|-------------------------------------|---------|------------------------|---------|-------------|--------|
| 13.663    | 23.22 ug/l                          | 1527050 | 1,4-Dichlorobenzene-d4 |         |             | 13.346 |
| Hit# of 5 | Tentative ID                        |         | MW                     | MolForm | CAS#        | Qual   |
| 1         | Naphthalene, decahydro-             |         | 138                    | C10H18  | 000091-17-8 | 91     |
| 2         | Cyclohexene, 1-butyl-               |         | 138                    | C10H18  | 003282-53-9 | 91     |
| 3         | Spiro[4.5]decane                    |         | 138                    | C10H18  | 000176-63-6 | 74     |
| 4         | Cyclohexane, 1-methyl-4-(1-methy... |         | 138                    | C10H18  | 001124-25-0 | 70     |
| 5         | Naphthalene, decahydro-, cis-       |         | 138                    | C10H18  | 000493-01-6 | 70     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023554.D  
Acq On : 22 Oct 2025 16:22  
Operator : SY/MD  
Sample : Q3422-01  
Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PR132-S15-000008-20251021

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

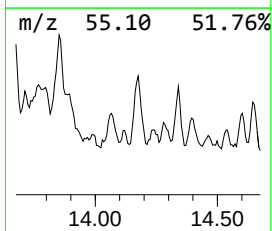
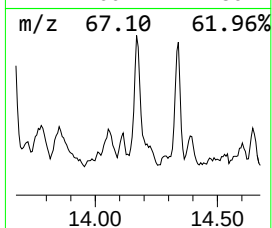
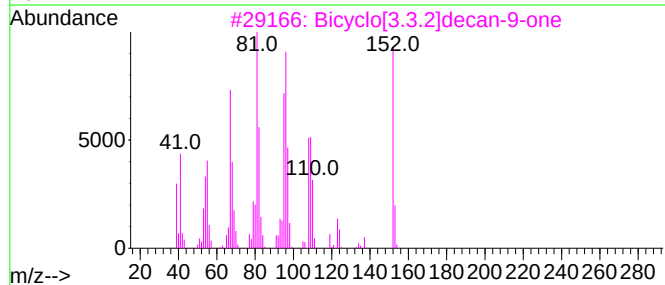
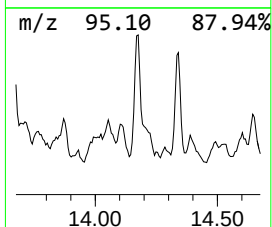
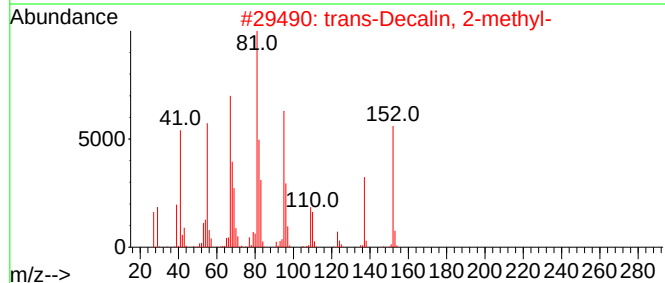
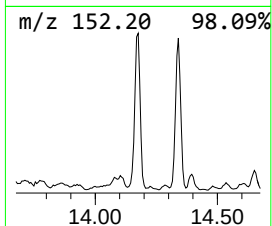
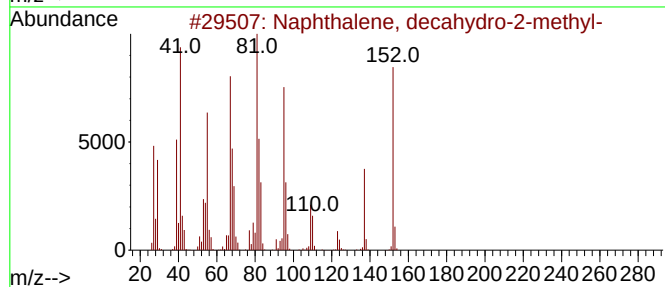
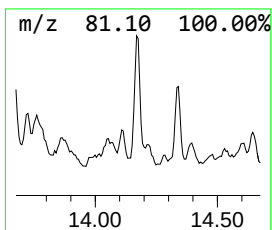
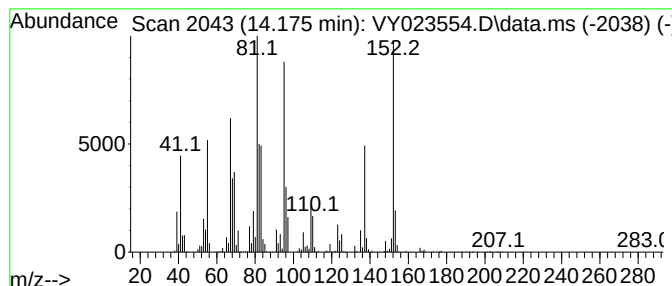
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, decahydro-2-me... Concentration Rank 2

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.176 | 31.26 ug/l | 2055740 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 94   |
| 2    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 91   |
| 3    |    |   | Bicyclo[3.3.2]decan-9-one           | 152 | C10H16O | 028054-91-3  | 70   |
| 4    |    |   | Bicyclo[3.3.1]nonane-2,7-dione      | 152 | C9H12O2 | 1000210-30-3 | 60   |
| 5    |    |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6  | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023554.D  
Acq On : 22 Oct 2025 16:22  
Operator : SY/MD  
Sample : Q3422-01  
Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PR132-S15-000008-20251021

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Naphthalene, de... | 13.663 | 23.2    | ug/l  | 1527050  | 4                     | 13.346 | 3287820 | 50.0 |
| Naphthalene, de... | 14.176 | 31.3    | ug/l  | 2055740  | 4                     | 13.346 | 3287820 | 50.0 |



**Report of Analysis**

Client: AECOM  
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
 Client Sample ID: PR132-FB2-20251021  
 Lab Sample ID: Q3422-02  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 10/21/25  
 Date Received: 10/21/25  
 SDG No.: Q3422  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 1.00  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 74-87-3        | Chloromethane                  | 1.00  | U    | 1  | 0.32  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 75-01-4        | Vinyl Chloride                 | 1.00  | U    | 1  | 0.26  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 74-83-9        | Bromomethane                   | 5.00  | U    | 1  | 1.40  | 5.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 75-00-3        | Chloroethane                   | 1.00  | U    | 1  | 0.47  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 75-69-4        | Trichlorofluoromethane         | 1.00  | U    | 1  | 0.33  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 1.00  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 75-35-4        | 1,1-Dichloroethene             | 1.00  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 67-64-1        | Acetone                        | 5.00  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 75-15-0        | Carbon Disulfide               | 1.00  | U    | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 1634-04-4      | Methyl tert-butyl Ether        | 1.00  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 79-20-9        | Methyl Acetate                 | 1.00  | U    | 1  | 0.27  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 75-09-2        | Methylene Chloride             | 1.00  | U    | 1  | 0.28  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.00  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 75-34-3        | 1,1-Dichloroethane             | 1.00  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 110-82-7       | Cyclohexane                    | 5.00  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 78-93-3        | 2-Butanone                     | 5.00  | U    | 1  | 0.98  | 5.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 56-23-5        | Carbon Tetrachloride           | 1.00  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 156-59-2       | cis-1,2-Dichloroethene         | 1.00  | U    | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 74-97-5        | Bromochloromethane             | 1.00  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 67-66-3        | Chloroform                     | 1.00  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 71-55-6        | 1,1,1-Trichloroethane          | 1.00  | U    | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 108-87-2       | Methylcyclohexane              | 1.00  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 71-43-2        | Benzene                        | 1.00  | UQ   | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 107-06-2       | 1,2-Dichloroethane             | 1.00  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 79-01-6        | Trichloroethene                | 1.00  | U    | 1  | 0.090 | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 78-87-5        | 1,2-Dichloropropane            | 1.00  | U    | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 75-27-4        | Bromodichloromethane           | 1.00  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 5.00  | U    | 1  | 0.68  | 5.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 108-88-3       | Toluene                        | 1.00  | U    | 1  | 0.14  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 10061-02-6     | t-1,3-Dichloropropene          | 1.00  | U    | 1  | 0.17  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 1.00  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 79-00-5        | 1,1,2-Trichloroethane          | 1.00  | U    | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 591-78-6       | 2-Hexanone                     | 5.00  | U    | 1  | 0.89  | 5.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 124-48-1       | Dibromochloromethane           | 1.00  | U    | 1  | 0.18  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 106-93-4       | 1,2-Dibromoethane              | 1.00  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 127-18-4       | Tetrachloroethene              | 1.00  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 108-90-7       | Chlorobenzene                  | 1.00  | U    | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 100-41-4       | Ethyl Benzene                  | 1.00  | U    | 1  | 0.13  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 179601-23-1    | m/p-Xylenes                    | 2.00  | U    | 1  | 0.24  | 2.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 95-47-6        | o-Xylene                       | 1.00  | U    | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 100-42-5       | Styrene                        | 1.00  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |
| 75-25-2        | Bromoform                      | 1.00  | U    | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 15:41 | VX110325 |

### Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: | 10/21/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  | 10/21/25      |
| Client Sample ID:  | PR132-FB2-20251021                               | SDG No.:        | Q3422         |
| Lab Sample ID:     | Q3422-02                                         | Matrix:         | Water         |
| Analytical Method: | 8260D                                            | % Solid:        | 0             |
| Sample Wt/Vol:     | 5 mL                                             | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 1.00              | U    | 1  | 0.12     | 1.00       | ug/L    | 11/03/25 15:41 | VX110325 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 1.00              | U    | 1  | 0.26     | 1.00       | ug/L    | 11/03/25 15:41 | VX110325 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 1.00              | U    | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 15:41 | VX110325 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 1.00              | U    | 1  | 0.19     | 1.00       | ug/L    | 11/03/25 15:41 | VX110325 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 1.00              | U    | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 15:41 | VX110325 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 1.00              | U    | 1  | 0.53     | 1.00       | ug/L    | 11/03/25 15:41 | VX110325 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 1.00              | U    | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 15:41 | VX110325 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 1.00              | U    | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 15:41 | VX110325 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 58.2              |      |    | 74 - 125 | 116%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 47.5              |      |    | 75 - 124 | 95%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 45.2              |      |    | 86 - 113 | 90%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 48.1              |      |    | 77 - 121 | 96%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 135000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 239000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 217000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 107000            |      |    |          |            |         |                |          |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048458.D  
Acq On : 03 Nov 2025 15:41  
Operator : JC/MD  
Sample : Q3422-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PR132-FB2-20251021

Quant Time: Nov 04 00:15:04 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 134520   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.745  | 114  | 239042   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 216803   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 106541   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.940  | 65    | 112631   | 58.219   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 116.440% |
| 35) Dibromofluoromethane    | 5.373  | 113   | 64704    | 47.476   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 94.960%  |
| 50) Toluene-d8              | 8.635  | 98    | 272189   | 45.244   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 90.480%# |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 108248   | 48.100   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 96.200%  |

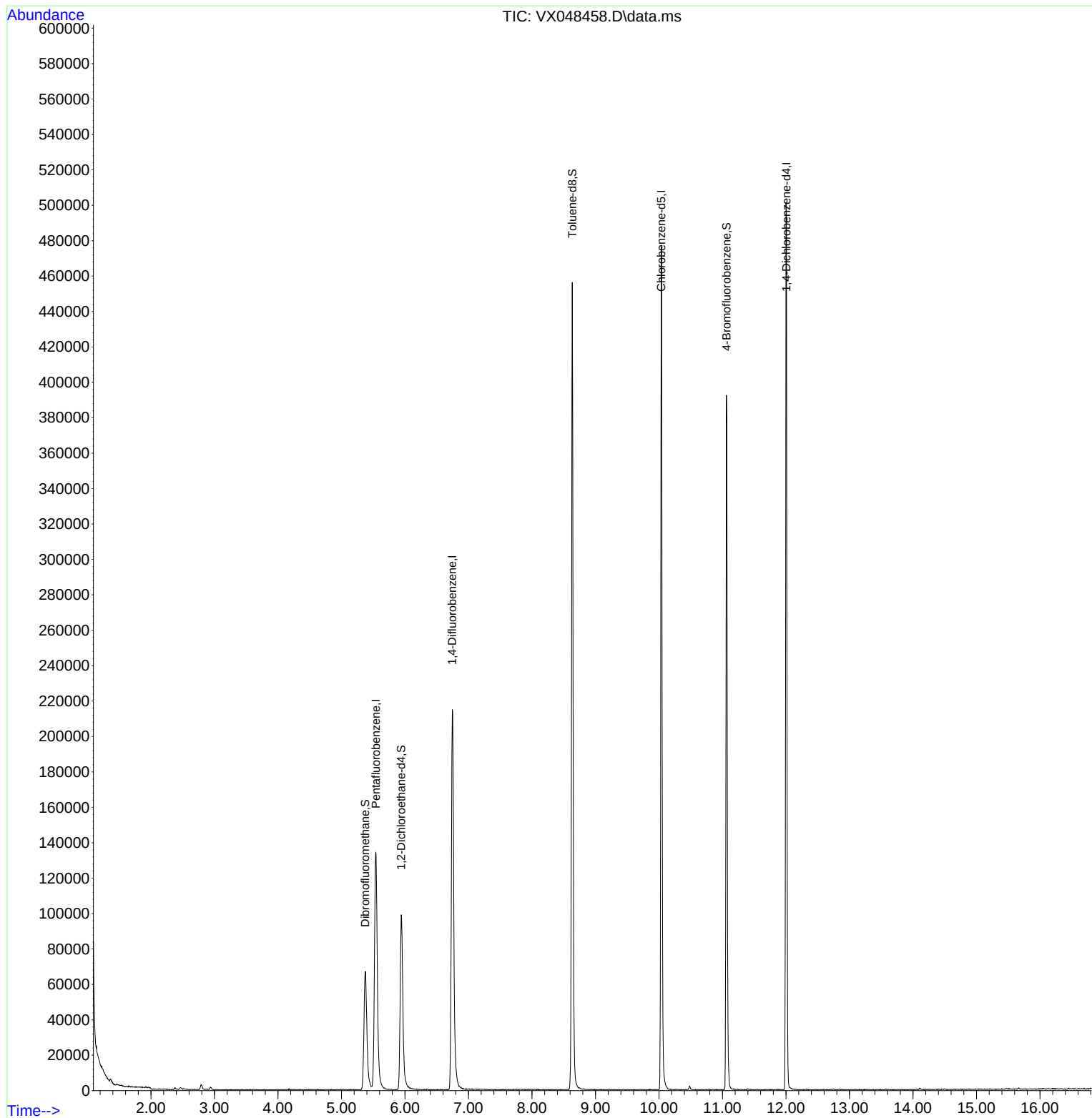
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

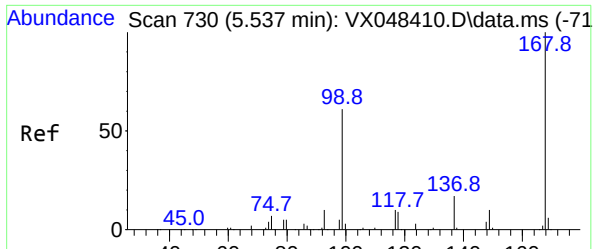
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048458.D  
Acq On : 03 Nov 2025 15:41  
Operator : JC/MD  
Sample : Q3422-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PR132-FB2-20251021

Quant Time: Nov 04 00:15:04 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration



#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. 0.007 min

Lab File: VX048458.D

Acq: 03 Nov 2025 15:41

Instrument :

MSVOA\_X

ClientSampleId :

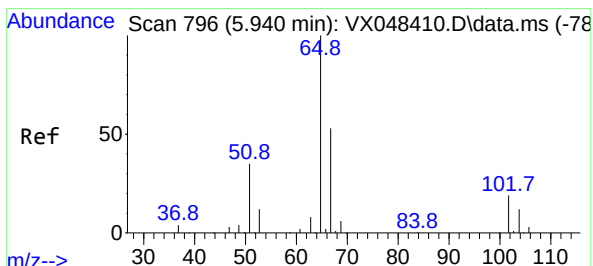
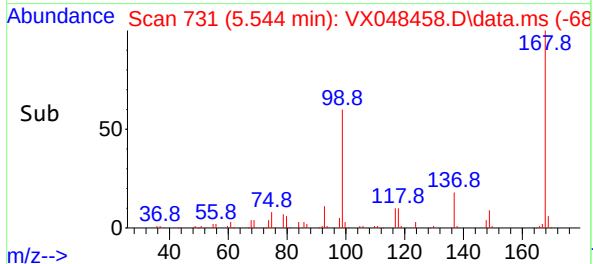
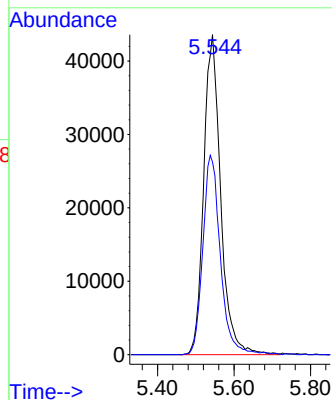
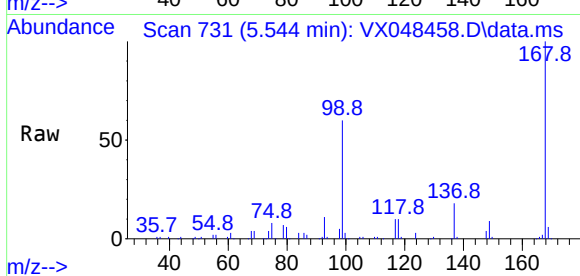
PR132-FB2-20251021

Tgt Ion:168 Resp: 134520

Ion Ratio Lower Upper

168 100

99 60.2 46.4 69.6



#33

1,2-Dichloroethane-d4

Concen: 58.219 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048458.D

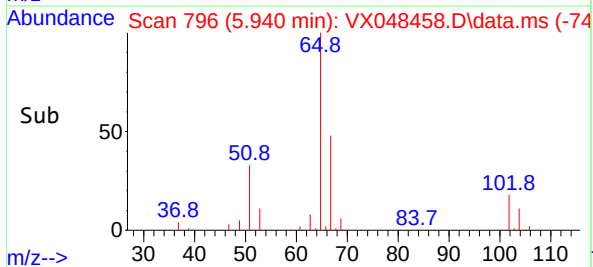
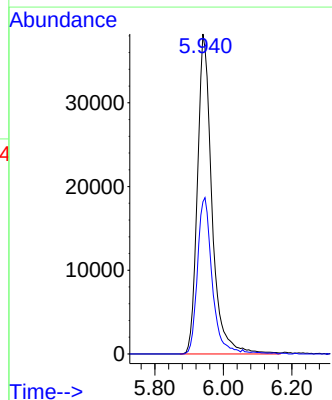
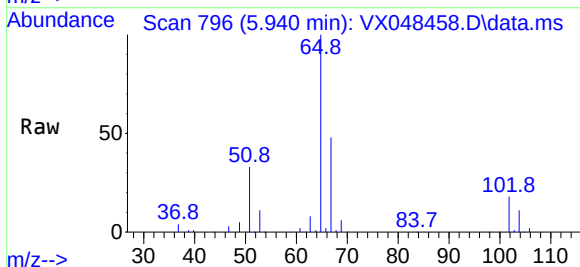
Acq: 03 Nov 2025 15:41

Tgt Ion: 65 Resp: 112631

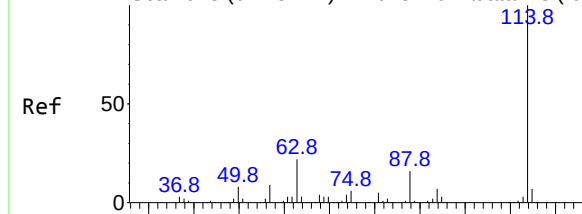
Ion Ratio Lower Upper

65 100

67 49.1 0.0 105.0

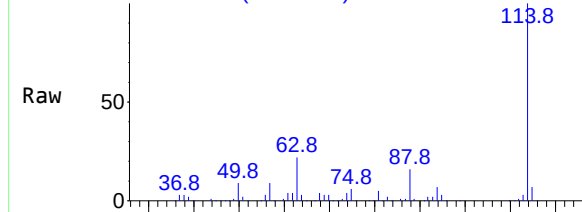


Abundance Scan 928 (6.745 min): VX048410.D\data.ms (-91



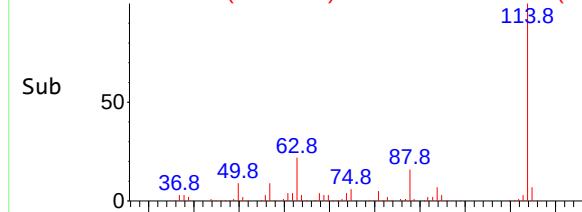
m/z--&gt;

Abundance Scan 928 (6.745 min): VX048458.D\data.ms



m/z--&gt;

Abundance Scan 928 (6.745 min): VX048458.D\data.ms (-87



m/z--&gt;

#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX048458.D

Acq: 03 Nov 2025 15:41

Instrument :

MSVOA\_X

ClientSampleId :

PR132-FB2-20251021

Tgt Ion:114 Resp: 239042

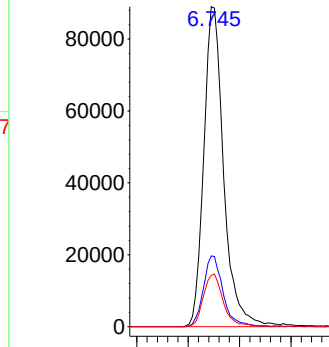
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.2

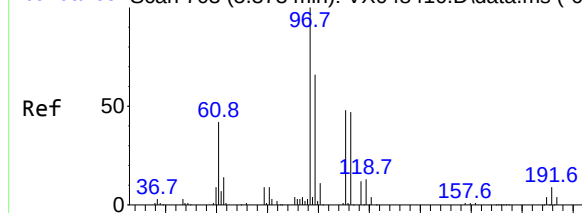
88 16.0 0.0 33.6

Abundance



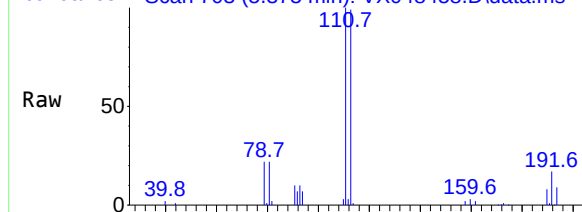
Time--&gt;

Abundance Scan 703 (5.373 min): VX048410.D\data.ms (-69



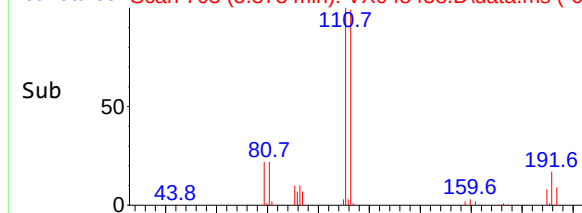
m/z--&gt;

Abundance Scan 703 (5.373 min): VX048458.D\data.ms



m/z--&gt;

Abundance Scan 703 (5.373 min): VX048458.D\data.ms (-65



m/z--&gt;

#35

Dibromofluoromethane

Concen: 47.476 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048458.D

Acq: 03 Nov 2025 15:41

Tgt Ion:113 Resp: 64704

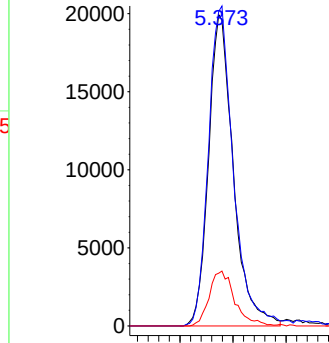
Ion Ratio Lower Upper

113 100

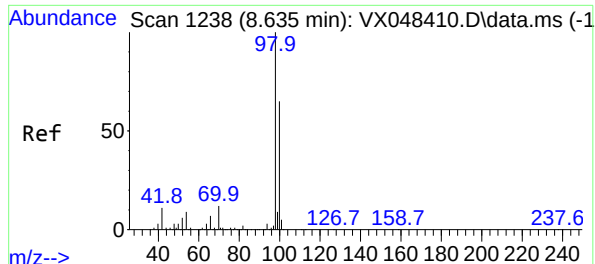
111 104.0 82.2 123.4

192 18.1 15.1 22.7

Abundance



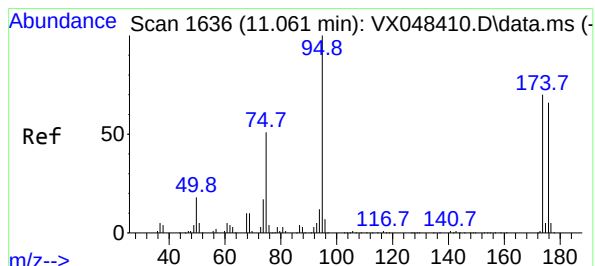
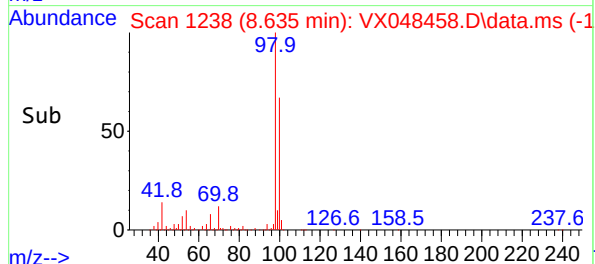
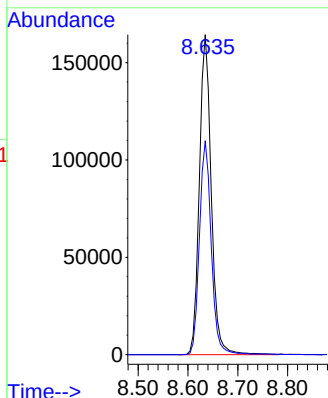
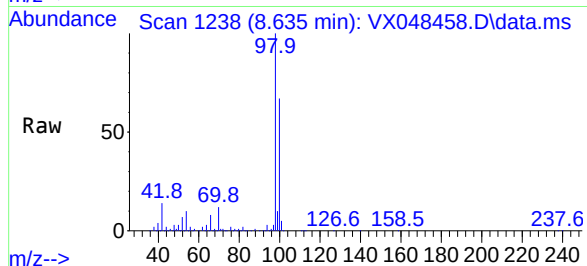
Time--&gt;



#50  
Toluene-d8  
Concen: 45.244 ug/l  
RT: 8.635 min Scan# 1238  
Delta R.T. 0.000 min  
Lab File: VX048458.D  
Acq: 03 Nov 2025 15:41

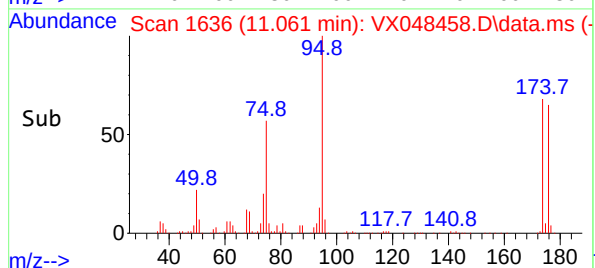
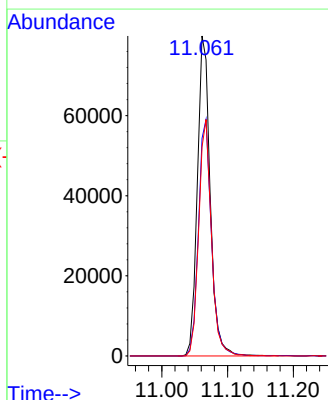
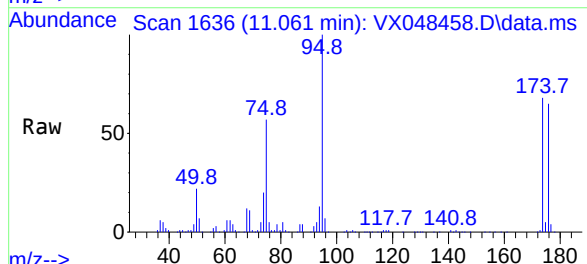
Instrument :  
MSVOA\_X  
ClientSampleId :  
PR132-FB2-20251021

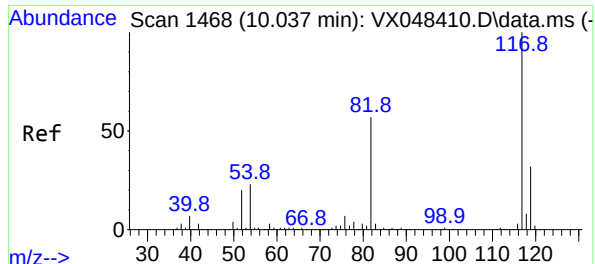
Tgt Ion: 98 Resp: 272189  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 48.100 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.000 min  
Lab File: VX048458.D  
Acq: 03 Nov 2025 15:41

Tgt Ion: 95 Resp: 108248  
Ion Ratio Lower Upper  
95 100  
174 74.8 0.0 147.8  
176 73.0 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048458.D

Acq: 03 Nov 2025 15:41

Instrument :

MSVOA\_X

ClientSampleId :

PR132-FB2-20251021

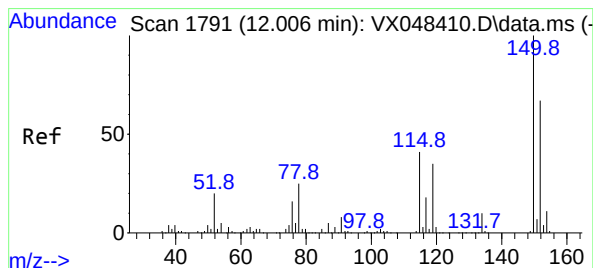
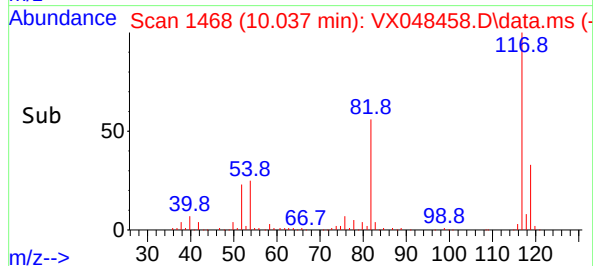
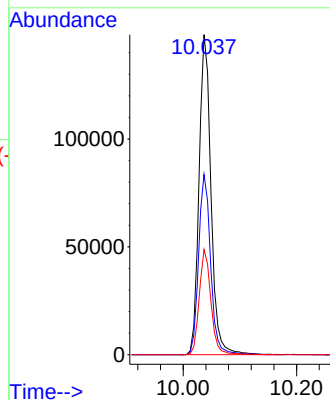
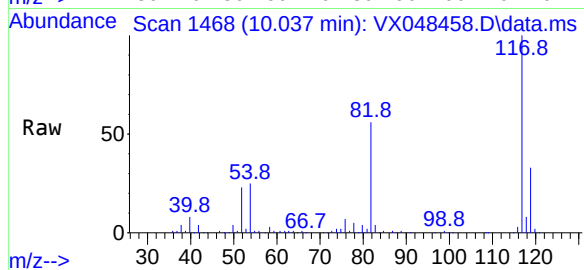
Tgt Ion:117 Resp: 216803

Ion Ratio Lower Upper

117 100

82 56.3 46.5 69.7

119 32.9 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048458.D

Acq: 03 Nov 2025 15:41

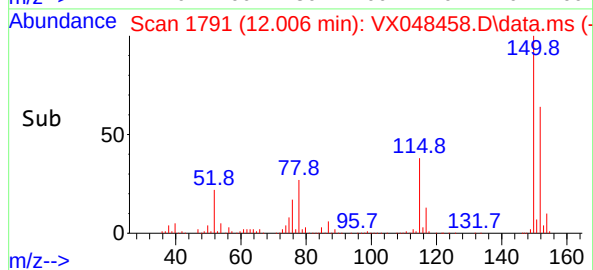
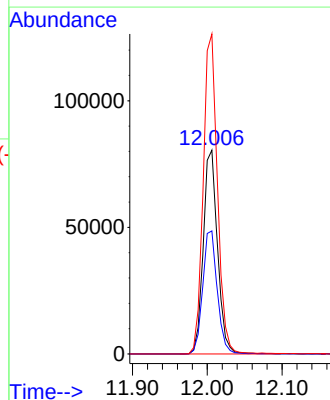
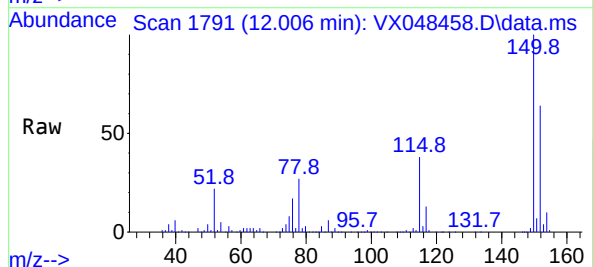
Tgt Ion:152 Resp: 106541

Ion Ratio Lower Upper

152 100

115 61.8 43.1 129.4

150 157.0 0.0 353.0





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048458.D  
Acq On : 03 Nov 2025 15:41  
Operator : JC/MD  
Sample : Q3422-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PR132-FB2-20251021

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\82X102925W.M

Title : SW846 8260

Signal : TIC: VX048458.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.379       | 692           | 704         | 718          | rBV3     | 66683          | 216819        | 28.43%          | 5.185%        |
| 2         | 5.538       | 720           | 730         | 751          | rVB2     | 133228         | 419146        | 54.96%          | 10.023%       |
| 3         | 5.940       | 787           | 796         | 814          | rBV      | 98755          | 290521        | 38.09%          | 6.947%        |
| 4         | 6.745       | 917           | 928         | 949          | rBV      | 214610         | 576505        | 75.59%          | 13.786%       |
| 5         | 8.635       | 1230          | 1238        | 1253         | rBV      | 455727         | 762670        | 100.00%         | 18.238%       |
| 6         | 10.037      | 1462          | 1468        | 1490         | rBV      | 476133         | 693728        | 90.96%          | 16.589%       |
| 7         | 11.061      | 1631          | 1636        | 1653         | rBV      | 392111         | 542967        | 71.19%          | 12.984%       |
| 8         | 12.000      | 1785          | 1790        | 1806         | rBV      | 500902         | 679464        | 89.09%          | 16.248%       |

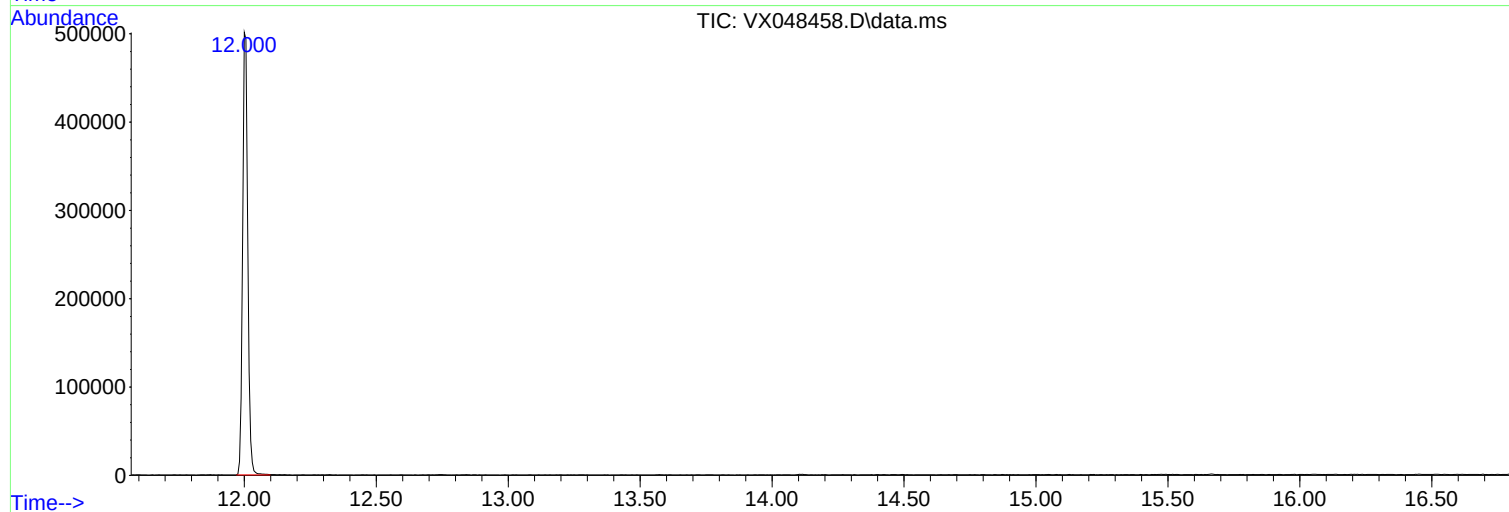
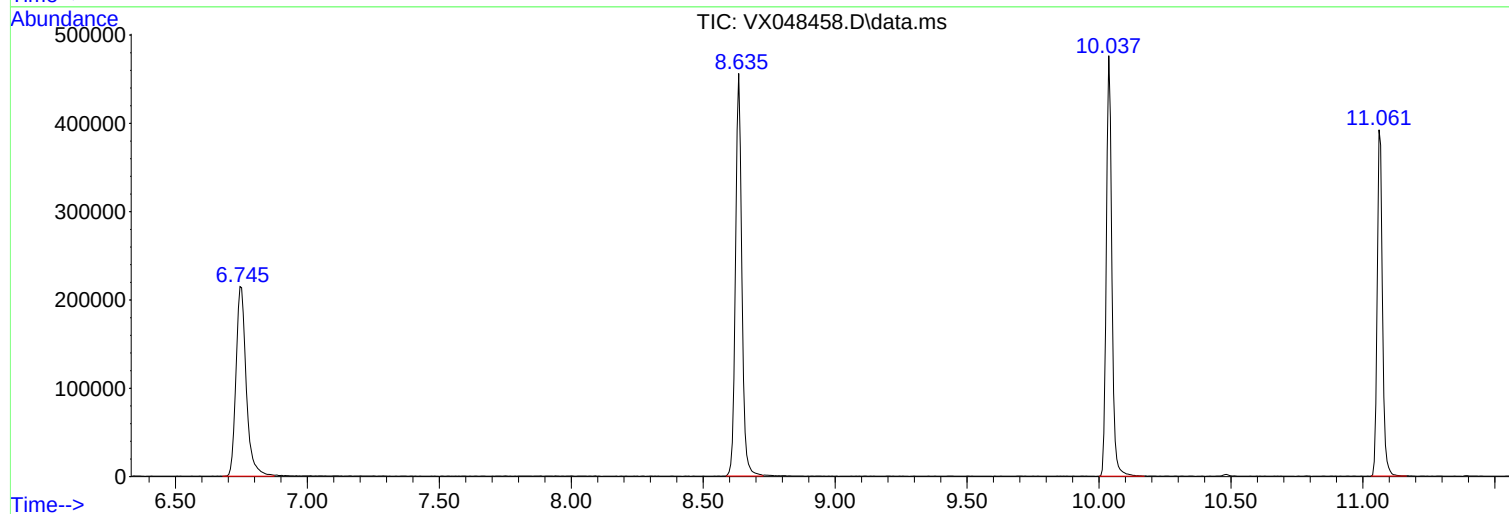
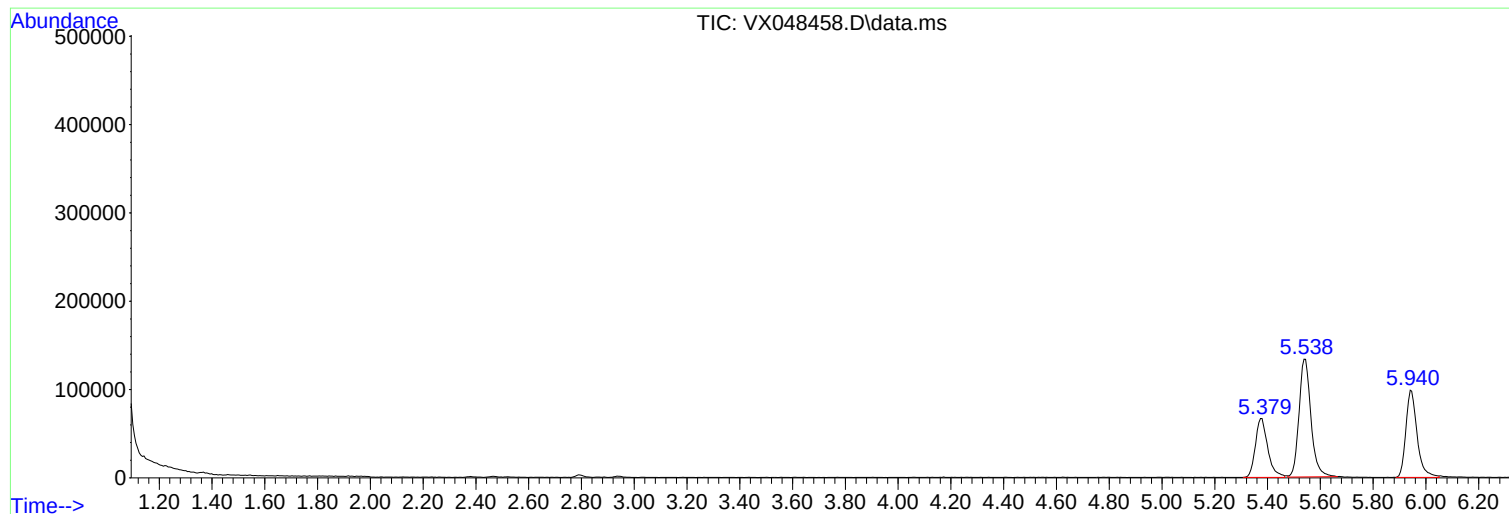
Sum of corrected areas: 4181820

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048458.D  
Acq On : 03 Nov 2025 15:41  
Operator : JC/MD  
Sample : Q3422-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PR132-FB2-20251021

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048458.D  
Acq On : 03 Nov 2025 15:41  
Operator : JC/MD  
Sample : Q3422-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PR132-FB2-20251021

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.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\VX110325\  
Data File : VX048458.D  
Acq On : 03 Nov 2025 15:41  
Operator : JC/MD  
Sample : Q3422-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PR132-FB2-20251021

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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

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



# CALIBRATION SUMMARY

|    |
|----|
| 1  |
| 2  |
| 3  |
| 4  |
| 5  |
| 6  |
| 7  |
| 8  |
| 9  |
| 10 |
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| 15 |
| 16 |
| 17 |
| 18 |



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

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02  
 Lab Code: ACE SDG No.: Q3422  
 Instrument ID: MSVOA\_X Calibration Date(s): 10/29/2025 10/29/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 11:12 13:03  
 GC Column: DB-624UI ID: 0.18 (mm)

|                                |                     |        |        |                     |        |        |                     |       |  |
|--------------------------------|---------------------|--------|--------|---------------------|--------|--------|---------------------|-------|--|
| LAB FILE ID:                   | RRF001 = VX048407.D |        |        | RRF005 = VX048408.D |        |        | RRF020 = VX048409.D |       |  |
|                                | RRF050 = VX048410.D |        |        | RRF100 = VX048411.D |        |        | RRF150 = VX048412.D |       |  |
| COMPOUND                       | RRF001              | RRF005 | RRF020 | RRF050              | RRF100 | RRF150 | RRF                 | % RSD |  |
| Dichlorodifluoromethane        | 0.488               | 0.487  | 0.477  | 0.539               | 0.504  | 0.565  | 0.510               | 6.8   |  |
| Chloromethane                  | 0.366               | 0.263  | 0.275  | 0.271               | 0.274  | 0.277  | 0.288               | 13.5  |  |
| Vinyl Chloride                 | 0.639               | 0.647  | 0.642  | 0.666               | 0.677  | 0.718  | 0.665               | 4.5   |  |
| Bromomethane                   |                     | 0.254  | 0.257  | 0.242               | 0.237  | 0.210  | 0.240               | 7.8   |  |
| Chloroethane                   | 0.405               | 0.394  | 0.382  | 0.391               | 0.398  | 0.402  | 0.395               | 2.1   |  |
| Trichlorofluoromethane         | 0.984               | 1.004  | 0.981  | 1.036               | 1.006  | 1.100  | 1.019               | 4.4   |  |
| 1,1,2-Trichlorotrifluoroethane | 0.542               | 0.569  | 0.546  | 0.589               | 0.565  | 0.626  | 0.573               | 5.4   |  |
| 1,1-Dichloroethene             | 0.573               | 0.559  | 0.559  | 0.581               | 0.591  | 0.628  | 0.582               | 4.4   |  |
| Acetone                        | 0.176               | 0.136  | 0.156  | 0.159               | 0.176  | 0.175  | 0.163               | 9.8   |  |
| Carbon Disulfide               | 1.871               | 1.692  | 1.629  | 1.676               | 1.568  | 1.577  | 1.669               | 6.7   |  |
| Methyl tert-butyl Ether        | 1.967               | 1.753  | 1.815  | 1.763               | 1.975  | 1.908  | 1.864               | 5.4   |  |
| Methyl Acetate                 | 0.578               | 0.474  | 0.488  | 0.494               | 0.612  | 0.625  | 0.545               | 12.4  |  |
| Methylene Chloride             | 0.660               | 0.613  | 0.619  | 0.598               | 0.651  | 0.628  | 0.628               | 3.7   |  |
| trans-1,2-Dichloroethene       | 0.614               | 0.604  | 0.610  | 0.606               | 0.632  | 0.643  | 0.618               | 2.5   |  |
| 1,1-Dichloroethane             | 1.130               | 1.140  | 1.127  | 1.106               | 1.190  | 1.176  | 1.145               | 2.8   |  |
| Cyclohexane                    |                     | 0.962  | 0.968  | 1.011               | 0.964  | 1.063  | 0.994               | 4.4   |  |
| 2-Butanone                     | 0.257               | 0.225  | 0.261  | 0.257               | 0.287  | 0.275  | 0.260               | 8.1   |  |
| Carbon Tetrachloride           | 0.578               | 0.562  | 0.528  | 0.559               | 0.517  | 0.572  | 0.553               | 4.4   |  |
| cis-1,2-Dichloroethene         | 0.756               | 0.717  | 0.709  | 0.712               | 0.771  | 0.761  | 0.738               | 3.8   |  |
| Bromochloromethane             | 0.465               | 0.513  | 0.556  | 0.513               | 0.519  | 0.546  | 0.519               | 6.2   |  |
| Chloroform                     | 1.200               | 1.176  | 1.167  | 1.131               | 1.212  | 1.180  | 1.178               | 2.4   |  |
| 1,1,1-Trichloroethane          | 1.030               | 1.024  | 1.013  | 1.030               | 1.057  | 1.084  | 1.040               | 2.5   |  |
| Methylcyclohexane              | 0.578               | 0.604  | 0.565  | 0.665               | 0.585  | 0.696  | 0.616               | 8.5   |  |
| Benzene                        | 1.397               | 1.464  | 1.457  | 1.472               | 1.461  | 1.524  | 1.462               | 2.8   |  |
| 1,2-Dichloroethane             | 0.521               | 0.520  | 0.519  | 0.501               | 0.514  | 0.515  | 0.515               | 1.5   |  |
| Trichloroethene                | 0.365               | 0.399  | 0.368  | 0.381               | 0.379  | 0.406  | 0.383               | 4.3   |  |
| 1,2-Dichloropropane            | 0.367               | 0.357  | 0.359  | 0.362               | 0.369  | 0.377  | 0.365               | 2     |  |
| Bromodichloromethane           | 0.542               | 0.553  | 0.536  | 0.538               | 0.542  | 0.550  | 0.543               | 1.2   |  |
| 4-Methyl-2-Pentanone           | 0.366               | 0.355  | 0.373  | 0.375               | 0.391  | 0.388  | 0.375               | 3.5   |  |
| Toluene                        | 0.864               | 0.918  | 0.902  | 0.931               | 0.914  | 0.955  | 0.914               | 3.3   |  |

\* 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.



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

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02  
 Lab Code: ACE SDG No.: Q3422  
 Instrument ID: MSVOA\_X Calibration Date(s): 10/29/2025 10/29/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 11:12 13:03  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                |        |        |                     |        |        |                     |       |       |
|-----------------------------|--------|--------|---------------------|--------|--------|---------------------|-------|-------|
| RRF001 = VX048407.D         |        |        | RRF005 = VX048408.D |        |        | RRF020 = VX048409.D |       |       |
| RRF050 = VX048410.D         |        |        | RRF100 = VX048411.D |        |        | RRF150 = VX048412.D |       |       |
| COMPOUND                    | RRF001 | RRF005 | RRF020              | RRF050 | RRF100 | RRF150              | RRF   | % RSD |
| t-1,3-Dichloropropene       | 0.463  | 0.491  | 0.510               | 0.496  | 0.501  | 0.493               | 0.492 | 3.2   |
| cis-1,3-Dichloropropene     | 0.549  | 0.525  | 0.558               | 0.524  | 0.522  | 0.506               | 0.531 | 3.7   |
| 1,1,2-Trichloroethane       | 0.329  | 0.330  | 0.332               | 0.326  | 0.333  | 0.334               | 0.331 | 1     |
| 2-Hexanone                  | 0.219  | 0.217  | 0.248               | 0.251  | 0.264  | 0.263               | 0.244 | 8.6   |
| Dibromochloromethane        | 0.405  | 0.408  | 0.403               | 0.408  | 0.412  | 0.418               | 0.409 | 1.3   |
| 1,2-Dibromoethane           | 0.340  | 0.338  | 0.338               | 0.341  | 0.349  | 0.347               | 0.342 | 1.3   |
| Tetrachloroethene           | 0.433  | 0.411  | 0.384               | 0.402  | 0.376  | 0.410               | 0.403 | 5.1   |
| Chlorobenzene               | 1.135  | 1.174  | 1.118               | 1.150  | 1.154  | 1.179               | 1.152 | 2     |
| Ethyl Benzene               | 1.825  | 1.909  | 1.888               | 1.994  | 1.951  | 2.070               | 1.940 | 4.4   |
| m/p-Xylenes                 | 0.663  | 0.731  | 0.718               | 0.773  | 0.744  | 0.777               | 0.734 | 5.7   |
| o-Xylene                    | 0.636  | 0.689  | 0.686               | 0.729  | 0.721  | 0.750               | 0.702 | 5.8   |
| Styrene                     | 1.059  | 1.139  | 1.180               | 1.235  | 1.247  | 1.273               | 1.189 | 6.7   |
| Bromoform                   | 0.284  | 0.268  | 0.267               | 0.281  | 0.299  | 0.302               | 0.283 | 5.2   |
| Isopropylbenzene            | 3.372  | 3.599  | 3.592               | 3.841  | 3.700  | 4.085               | 3.698 | 6.6   |
| 1,1,2,2-Tetrachloroethane   | 0.915  | 0.919  | 0.914               | 0.929  | 0.956  | 0.988               | 0.937 | 3.2   |
| 1,3-Dichlorobenzene         | 1.911  | 1.733  | 1.660               | 1.690  | 1.666  | 1.807               | 1.745 | 5.6   |
| 1,4-Dichlorobenzene         | 1.948  | 1.824  | 1.666               | 1.710  | 1.684  | 1.829               | 1.777 | 6.2   |
| 1,2-Dichlorobenzene         | 1.618  | 1.609  | 1.565               | 1.589  | 1.607  | 1.712               | 1.617 | 3.1   |
| 1,2-Dibromo-3-Chloropropane | 0.181  | 0.156  | 0.171               | 0.187  | 0.195  | 0.210               | 0.183 | 10.2  |
| 1,2,4-Trichlorobenzene      | 1.140  | 1.040  | 1.045               | 1.112  | 1.124  | 1.232               | 1.116 | 6.3   |
| 1,2,3-Trichlorobenzene      | 0.981  | 0.937  | 0.957               | 1.033  | 1.029  | 1.143               | 1.013 | 7.3   |
| 1,2-Dichloroethane-d4       |        | 0.765  | 0.689               | 0.674  | 0.728  | 0.739               | 0.719 | 5.2   |
| Dibromofluoromethane        |        | 0.300  | 0.260               | 0.276  | 0.283  | 0.307               | 0.285 | 6.6   |
| Toluene-d8                  |        | 1.333  | 1.191               | 1.222  | 1.207  | 1.339               | 1.258 | 5.7   |
| 4-Bromofluorobenzene        |        | 0.537  | 0.437               | 0.446  | 0.449  | 0.485               | 0.471 | 8.8   |

\* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\  
 Method File : 82X102925W.M  
 Title : SW846 8260  
 Last Update : Thu Oct 30 02:37:17 2025  
 Response Via : Initial Calibration

## Calibration Files

1 =VX048407.D 5 =VX048408.D 20 =VX048409.D 50 =VX048410.D 100 =VX048411.D 150 =VX048412.D

|        | Compound            | 1              | 5     | 20    | 50    | 100   | 150   | Avg   | %RSD  |
|--------|---------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 1) I   | Pentafluorobenzene  | -----ISTD----- |       |       |       |       |       |       |       |
| 2) T   | Dichlorodifluo...   | 0.488          | 0.487 | 0.477 | 0.539 | 0.504 | 0.565 | 0.510 | 6.76  |
| 3) P   | Chloromethane       | 0.366          | 0.263 | 0.275 | 0.271 | 0.274 | 0.277 | 0.288 | 13.49 |
| 4) C   | Vinyl Chloride      | 0.639          | 0.646 | 0.642 | 0.666 | 0.677 | 0.718 | 0.665 | 4.53# |
| 5) T   | Bromomethane        |                | 0.254 | 0.257 | 0.242 | 0.237 | 0.210 | 0.240 | 7.78  |
| 6) T   | Chloroethane        | 0.405          | 0.394 | 0.382 | 0.391 | 0.398 | 0.402 | 0.395 | 2.10  |
| 7) T   | Trichlorofluor...   | 0.984          | 1.004 | 0.981 | 1.036 | 1.006 | 1.100 | 1.019 | 4.37  |
| 8) T   | Diethyl Ether       | 0.367          | 0.347 | 0.368 | 0.349 | 0.396 | 0.381 | 0.368 | 5.13  |
| 9) T   | 1,1,2-Trichlor...   | 0.542          | 0.569 | 0.546 | 0.589 | 0.565 | 0.626 | 0.573 | 5.43  |
| 10) T  | Methyl Iodide       |                | 2.232 | 2.136 | 2.192 | 2.444 | 2.516 | 2.304 | 7.23  |
| 11) T  | Tert butyl alc...   |                | 0.049 | 0.054 | 0.053 | 0.061 | 0.059 | 0.055 | 8.49  |
| 12) CM | 1,1-Dichloroet...   | 0.573          | 0.559 | 0.559 | 0.581 | 0.591 | 0.628 | 0.582 | 4.40# |
| 13) T  | Acrolein            |                | 0.105 | 0.112 | 0.112 | 0.128 | 0.118 | 0.115 | 7.44  |
| 14) T  | Allyl chloride      | 1.076          | 0.952 | 0.946 | 0.935 | 1.006 | 0.999 | 0.986 | 5.37  |
| 15) T  | Acrylonitrile       | 0.251          | 0.233 | 0.241 | 0.247 | 0.272 | 0.261 | 0.251 | 5.55  |
| 16) T  | Acetone             | 0.176          | 0.136 | 0.156 | 0.159 | 0.176 | 0.175 | 0.163 | 9.84  |
| 17) T  | Carbon Disulfide    | 1.871          | 1.692 | 1.629 | 1.676 | 1.568 | 1.577 | 1.669 | 6.66  |
| 18) T  | Methyl Acetate      | 0.578          | 0.474 | 0.488 | 0.494 | 0.612 | 0.625 | 0.545 | 12.41 |
| 19) T  | Methyl tert-bu...   | 1.967          | 1.753 | 1.815 | 1.763 | 1.975 | 1.908 | 1.864 | 5.36  |
| 20) T  | Methylene Chlo...   | 0.660          | 0.613 | 0.619 | 0.598 | 0.651 | 0.628 | 0.628 | 3.74  |
| 21) T  | trans-1,2-Dich...   | 0.614          | 0.604 | 0.610 | 0.606 | 0.632 | 0.643 | 0.618 | 2.53  |
| 22) T  | Diisopropyl ether   | 1.908          | 1.986 | 2.009 | 1.978 | 2.150 | 2.072 | 2.017 | 4.17  |
| 23) T  | Vinyl Acetate       | 1.453          | 1.390 | 1.457 | 1.330 | 1.373 | 1.237 | 1.373 | 6.01  |
| 24) P  | 1,1-Dichloroet...   | 1.130          | 1.140 | 1.127 | 1.106 | 1.190 | 1.176 | 1.145 | 2.78  |
| 25) T  | 2-Butanone          | 0.257          | 0.225 | 0.261 | 0.257 | 0.287 | 0.275 | 0.260 | 8.09  |
| 26) T  | 2,2-Dichloropr...   | 1.042          | 0.949 | 0.935 | 0.952 | 1.002 | 1.035 | 0.986 | 4.74  |
| 27) T  | cis-1,2-Dichlo...   | 0.756          | 0.717 | 0.709 | 0.712 | 0.771 | 0.761 | 0.738 | 3.79  |
| 28) T  | Bromochloromet...   | 0.465          | 0.513 | 0.556 | 0.513 | 0.519 | 0.546 | 0.519 | 6.16  |
| 29) T  | Tetrahydrofuran     | 0.193          | 0.168 | 0.177 | 0.181 | 0.203 | 0.190 | 0.185 | 6.71  |
| 30) C  | Chloroform          | 1.200          | 1.176 | 1.167 | 1.131 | 1.212 | 1.180 | 1.178 | 2.41# |
| 31) T  | Cyclohexane         |                | 0.962 | 0.968 | 1.011 | 0.964 | 1.063 | 0.994 | 4.41  |
| 32) T  | 1,1,1-Trichlor...   | 1.030          | 1.024 | 1.013 | 1.030 | 1.057 | 1.084 | 1.040 | 2.53  |
| 33) S  | 1,2-Dichloroet...   |                | 0.765 | 0.689 | 0.674 | 0.728 | 0.739 | 0.719 | 5.19  |
| 34) I  | 1,4-Difluorobenzene | -----ISTD----- |       |       |       |       |       |       |       |
| 35) S  | Dibromofluorom...   |                | 0.300 | 0.260 | 0.276 | 0.283 | 0.307 | 0.285 | 6.64  |
| 36) T  | 1,1-Dichloropr...   | 0.482          | 0.446 | 0.481 | 0.490 | 0.463 | 0.511 | 0.479 | 4.63  |
| 37) T  | Ethyl Acetate       | 0.364          | 0.421 | 0.396 | 0.410 | 0.426 | 0.430 | 0.408 | 6.06  |
| 38) T  | Carbon Tetrach...   | 0.578          | 0.562 | 0.528 | 0.559 | 0.517 | 0.572 | 0.553 | 4.45  |
| 39) T  | Methylcyclohexane   | 0.578          | 0.604 | 0.565 | 0.665 | 0.585 | 0.696 | 0.616 | 8.52  |
| 40) TM | Benzene             | 1.397          | 1.464 | 1.457 | 1.472 | 1.461 | 1.524 | 1.462 | 2.77  |
| 41) T  | Methacrylonitrile   | 0.195          | 0.184 | 0.205 | 0.215 | 0.218 | 0.216 | 0.205 | 6.63  |
| 42) TM | 1,2-Dichloroet...   | 0.521          | 0.520 | 0.519 | 0.501 | 0.514 | 0.515 | 0.515 | 1.46  |
| 43) T  | Isopropyl Acetate   | 0.655          | 0.628 | 0.664 | 0.672 | 0.707 | 0.715 | 0.673 | 4.82  |
| 44) TM | Trichloroethene     | 0.365          | 0.399 | 0.368 | 0.381 | 0.379 | 0.406 | 0.383 | 4.28  |
| 45) C  | 1,2-Dichloropr...   | 0.367          | 0.357 | 0.359 | 0.362 | 0.369 | 0.377 | 0.365 | 1.99# |
| 46) T  | Dibromomethane      | 0.245          | 0.260 | 0.252 | 0.252 | 0.261 | 0.263 | 0.256 | 2.80  |
| 47) T  | Bromodichlorom...   | 0.542          | 0.553 | 0.536 | 0.538 | 0.542 | 0.550 | 0.543 | 1.25  |
| 48) T  | Methyl methacr...   | 0.281          | 0.305 | 0.325 | 0.334 | 0.361 | 0.364 | 0.328 | 9.77  |
| 49) T  | 1,4-Dioxane         | 0.003          | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 15.65 |
| 50) S  | Toluene-d8          |                | 1.333 | 1.191 | 1.222 | 1.207 | 1.339 | 1.258 | 5.70  |
| 51) T  | 4-Methyl-2-Pen...   | 0.366          | 0.355 | 0.373 | 0.375 | 0.391 | 0.388 | 0.375 | 3.54  |
| 52) CM | Toluene             | 0.864          | 0.918 | 0.902 | 0.931 | 0.914 | 0.955 | 0.914 | 3.32# |
| 53) T  | t-1,3-Dichloro...   | 0.463          | 0.491 | 0.510 | 0.496 | 0.501 | 0.493 | 0.492 | 3.23  |
| 54) T  | cis-1,3-Dichlo...   | 0.549          | 0.525 | 0.558 | 0.524 | 0.522 | 0.506 | 0.531 | 3.66  |
| 55) T  | 1,1,2-Trichlor...   | 0.329          | 0.330 | 0.332 | 0.326 | 0.333 | 0.334 | 0.331 | 0.99  |
| 56) T  | Ethyl methacry...   | 0.437          | 0.438 | 0.473 | 0.492 | 0.533 | 0.533 | 0.484 | 8.90  |



Method Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\  
 Method File : 82X102925W.M

|     |    |                       |                |       |       |       |       |       |       |       |
|-----|----|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 57) | T  | 1,3-Dichloropr...     | 0.578          | 0.580 | 0.566 | 0.568 | 0.574 | 0.575 | 0.573 | 0.95  |
| 58) | T  | 2-Chloroethyl ...     | 0.145          | 0.216 | 0.278 | 0.282 | 0.281 | 0.302 | 0.251 | 23.68 |
| 59) | T  | 2-Hexanone            | 0.219          | 0.217 | 0.248 | 0.251 | 0.264 | 0.263 | 0.244 | 8.58  |
| 60) | T  | Dibromochlorom...     | 0.405          | 0.408 | 0.403 | 0.408 | 0.412 | 0.418 | 0.409 | 1.27  |
| 61) | T  | 1,2-Dibromoethane     | 0.340          | 0.338 | 0.338 | 0.341 | 0.349 | 0.347 | 0.342 | 1.34  |
| 62) | S  | 4-Bromofluorob...     | 0.537          | 0.437 | 0.446 | 0.449 | 0.485 | 0.471 |       | 8.82  |
| 63) | I  | Chlorobenzene-d5      | -----ISTD----- |       |       |       |       |       |       |       |
| 64) | T  | Tetrachloroethene     | 0.433          | 0.411 | 0.384 | 0.402 | 0.376 | 0.410 | 0.403 | 5.07  |
| 65) | PM | Chlorobenzene         | 1.135          | 1.174 | 1.118 | 1.150 | 1.154 | 1.179 | 1.152 | 1.98  |
| 66) | T  | 1,1,1,2-Tetrac...     | 0.360          | 0.387 | 0.386 | 0.396 | 0.404 | 0.417 | 0.392 | 4.96  |
| 67) | C  | Ethyl Benzene         | 1.825          | 1.909 | 1.888 | 1.994 | 1.951 | 2.070 | 1.940 | 4.42# |
| 68) | T  | m/p-Xylenes           | 0.663          | 0.731 | 0.718 | 0.773 | 0.744 | 0.777 | 0.734 | 5.72  |
| 69) | T  | o-Xylene              | 0.636          | 0.689 | 0.686 | 0.729 | 0.721 | 0.750 | 0.702 | 5.76  |
| 70) | T  | Styrene               | 1.059          | 1.139 | 1.180 | 1.235 | 1.247 | 1.273 | 1.189 | 6.74  |
| 71) | P  | Bromoform             | 0.284          | 0.268 | 0.267 | 0.281 | 0.299 | 0.302 | 0.283 | 5.18  |
| 72) | I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |
| 73) | T  | Isopropylbenzene      | 3.372          | 3.599 | 3.592 | 3.841 | 3.700 | 4.085 | 3.698 | 6.60  |
| 74) | T  | N-amyl acetate        | 1.175          | 1.160 | 1.281 | 1.367 | 1.436 | 1.497 | 1.319 | 10.44 |
| 75) | P  | 1,1,2,2-Tetrac...     | 0.915          | 0.919 | 0.914 | 0.929 | 0.956 | 0.988 | 0.937 | 3.18  |
| 76) | T  | 1,2,3-Trichlor...     | 0.617          | 0.702 | 0.708 | 0.743 | 0.765 | 0.779 | 0.719 | 8.13  |
| 77) | T  | Bromobenzene          | 0.877          | 0.904 | 0.886 | 0.912 | 0.919 | 0.984 | 0.914 | 4.13  |
| 78) | T  | n-propylbenzene       | 3.871          | 4.307 | 4.262 | 4.596 | 4.352 | 4.838 | 4.371 | 7.48  |
| 79) | T  | 2-Chlorotoluene       | 2.524          | 2.598 | 2.538 | 2.652 | 2.609 | 2.825 | 2.624 | 4.15  |
| 80) | T  | 1,3,5-Trimethy...     | 2.640          | 2.973 | 2.948 | 3.194 | 3.065 | 3.369 | 3.032 | 8.15  |
| 81) | T  | trans-1,4-Dich...     | 0.191          | 0.195 | 0.208 | 0.217 | 0.228 | 0.208 |       | 7.37  |
| 82) | T  | 4-Chlorotoluene       | 2.883          | 3.105 | 3.023 | 3.125 | 3.076 | 3.299 | 3.085 | 4.42  |
| 83) | T  | tert-Butylbenzene     | 2.798          | 3.001 | 2.945 | 3.216 | 3.098 | 3.459 | 3.086 | 7.48  |
| 84) | T  | 1,2,4-Trimethy...     | 2.580          | 2.875 | 2.976 | 3.141 | 3.082 | 3.355 | 3.002 | 8.76  |
| 85) | T  | sec-Butylbenzene      | 3.379          | 3.847 | 3.727 | 4.052 | 3.793 | 4.276 | 3.846 | 7.90  |
| 86) | T  | p-Isopropyltol...     | 2.815          | 3.198 | 3.145 | 3.435 | 3.257 | 3.657 | 3.251 | 8.73  |
| 87) | T  | 1,3-Dichlorobe...     | 1.911          | 1.733 | 1.660 | 1.690 | 1.666 | 1.807 | 1.745 | 5.62  |
| 88) | T  | 1,4-Dichlorobe...     | 1.948          | 1.824 | 1.666 | 1.710 | 1.684 | 1.829 | 1.777 | 6.15  |
| 89) | T  | n-Butylbenzene        | 2.892          | 2.903 | 2.886 | 3.183 | 3.003 | 3.447 | 3.052 | 7.34  |
| 90) | T  | Hexachloroethane      | 0.521          | 0.518 | 0.537 | 0.594 | 0.589 | 0.669 | 0.571 | 10.22 |
| 91) | T  | 1,2-Dichlorobe...     | 1.618          | 1.609 | 1.565 | 1.589 | 1.607 | 1.712 | 1.617 | 3.11  |
| 92) | T  | 1,2-Dibromo-3-...     | 0.181          | 0.156 | 0.171 | 0.187 | 0.195 | 0.210 | 0.183 | 10.20 |
| 93) | T  | 1,2,4-Trichlor...     | 1.140          | 1.040 | 1.045 | 1.112 | 1.124 | 1.232 | 1.116 | 6.34  |
| 94) | T  | Hexachlorobuta...     | 0.507          | 0.437 | 0.435 | 0.481 | 0.431 | 0.516 | 0.468 | 8.23  |
| 95) | T  | Naphthalene           | 2.578          | 2.419 | 2.645 | 2.935 | 3.064 | 3.264 | 2.818 | 11.45 |
| 96) | T  | 1,2,3-Trichlor...     | 0.981          | 0.937 | 0.957 | 1.033 | 1.029 | 1.143 | 1.013 | 7.31  |

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048407.D  
 Acq On : 29 Oct 2025 11:12  
 Operator : JC/MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:18:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 158565   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.745  | 114  | 284044   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 259052   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 129002   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 0.000  | 65    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | =    | 0.000%# |
| 35) Dibromofluoromethane  | 0.000  | 113   | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 0.000%# |
| 50) Toluene-d8            | 0.000  | 98    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | =    | 0.000%# |
| 62) 4-Bromofluorobenzene  | 0.000  | 95    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | =    | 0.000%# |

### Target Compounds

|                              |       |     |       |       | Qvalue |     |
|------------------------------|-------|-----|-------|-------|--------|-----|
| 2) Dichlorodifluoromethane   | 1.173 | 85  | 1549  | 0.958 | ug/l   | 100 |
| 3) Chloromethane             | 1.301 | 50  | 1162  | 1.273 | ug/l   | 91  |
| 4) Vinyl Chloride            | 1.380 | 62  | 2027  | 0.962 | ug/l # | 85  |
| 6) Chloroethane              | 1.703 | 64  | 1283  | 1.023 | ug/l # | 88  |
| 7) Trichlorofluoromethane    | 1.898 | 101 | 3121  | 0.966 | ug/l   | 97  |
| 8) Diethyl Ether             | 2.136 | 74  | 1165  | 0.998 | ug/l   | 62  |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 1719  | 0.946 | ug/l   | 95  |
| 12) 1,1-Dichloroethene       | 2.325 | 96  | 1818  | 0.985 | ug/l   | 85  |
| 14) Allyl chloride           | 2.666 | 41  | 3412  | 1.092 | ug/l   | 96  |
| 15) Acrylonitrile            | 3.062 | 53  | 3987  | 5.016 | ug/l   | 93  |
| 16) Acetone                  | 2.373 | 43  | 2795  | 5.408 | ug/l # | 85  |
| 17) Carbon Disulfide         | 2.514 | 76  | 5933  | 1.121 | ug/l # | 89  |
| 18) Methyl Acetate           | 2.709 | 43  | 1832  | 1.060 | ug/l # | 86  |
| 19) Methyl tert-butyl Ether  | 3.105 | 73  | 6239  | 1.056 | ug/l   | 97  |
| 20) Methylene Chloride       | 2.788 | 84  | 2094  | 1.051 | ug/l   | 96  |
| 21) trans-1,2-Dichloroethene | 3.093 | 96  | 1948  | 0.994 | ug/l   | 89  |
| 22) Diisopropyl ether        | 3.757 | 45  | 6050  | 0.946 | ug/l   | 94  |
| 23) Vinyl Acetate            | 3.721 | 43  | 23043 | 5.291 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 3.611 | 63  | 3584  | 0.987 | ug/l   | 97  |
| 25) 2-Butanone               | 4.556 | 43  | 4076  | 4.937 | ug/l # | 89  |
| 26) 2,2-Dichloropropane      | 4.465 | 77  | 3304  | 1.057 | ug/l   | 89  |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 2398  | 1.025 | ug/l   | 95  |
| 28) Bromochloromethane       | 4.891 | 49  | 1476  | 0.897 | ug/l # | 94  |
| 29) Tetrahydrofuran          | 5.001 | 42  | 3062  | 5.208 | ug/l # | 67  |
| 30) Chloroform               | 5.086 | 83  | 3806  | 1.019 | ug/l # | 82  |
| 32) 1,1,1-Trichloroethane    | 5.367 | 97  | 3267  | 0.991 | ug/l # | 50  |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 2737  | 1.006 | ug/l   | 93  |
| 37) Ethyl Acetate            | 4.727 | 43  | 2068m | 0.893 | ug/l   |     |
| 38) Carbon Tetrachloride     | 5.678 | 117 | 3286  | 1.047 | ug/l # | 83  |
| 39) Methylcyclohexane        | 7.367 | 83  | 3285  | 0.939 | ug/l   | 96  |
| 40) Benzene                  | 6.025 | 78  | 7935  | 0.955 | ug/l   | 95  |
| 41) Methacrylonitrile        | 4.922 | 41  | 1107  | 0.949 | ug/l # | 82  |
| 42) 1,2-Dichloroethane       | 6.080 | 62  | 2962  | 1.012 | ug/l   | 84  |
| 43) Isopropyl Acetate        | 6.330 | 43  | 3721  | 0.973 | ug/l # | 90  |
| 44) Trichloroethene          | 7.110 | 130 | 2075  | 0.953 | ug/l   | 71  |
| 45) 1,2-Dichloropropane      | 7.421 | 63  | 2087  | 1.006 | ug/l   | 99  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048407.D  
 Acq On : 29 Oct 2025 11:12  
 Operator : JC/MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:18:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 7.568  | 93   | 1390     | 0.957  | ug/l   | 87       |
| 47) Bromodichloromethane      | 7.805  | 83   | 3077     | 0.997  | ug/l   | 93       |
| 48) Methyl methacrylate       | 7.684  | 41   | 1596     | 0.856  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 305      | 14.384 | ug/l # | 69       |
| 51) 4-Methyl-2-Pentanone      | 8.561  | 43   | 10398    | 4.884  | ug/l   | 99       |
| 52) Toluene                   | 8.702  | 92   | 4908     | 0.945  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.970  | 75   | 2630     | 0.940  | ug/l # | 83       |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 3118     | 1.035  | ug/l # | 60       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 1867     | 0.994  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.104  | 69   | 2480     | 0.902  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 3283     | 1.008  | ug/l   | 89       |
| 58) 2-Chloroethyl Vinyl ether | 8.232  | 63   | 4120     | 11.715 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.415  | 43   | 6222     | 4.492  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.506  | 129  | 2303     | 0.991  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.598  | 107  | 1932     | 0.994  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.256  | 164  | 2244     | 1.076  | ug/l   | 92       |
| 65) Chlorobenzene             | 10.067 | 112  | 5883     | 0.986  | ug/l   | 90       |
| 66) 1,1,1,2-Tetrachloroethane | 10.153 | 131  | 1866     | 0.919  | ug/l # | 60       |
| 67) Ethyl Benzene             | 10.177 | 91   | 9455     | 0.941  | ug/l   | 93       |
| 68) m/p-Xylenes               | 10.287 | 106  | 6869     | 1.805  | ug/l   | 98       |
| 69) o-Xylene                  | 10.622 | 106  | 3294     | 0.906  | ug/l   | 86       |
| 70) Styrene                   | 10.640 | 104  | 5486     | 0.891  | ug/l   | 96       |
| 71) Bromoform                 | 10.787 | 173  | 1471     | 1.002  | ug/l # | 90       |
| 73) Isopropylbenzene          | 10.945 | 105  | 8700     | 0.912  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.829 | 43   | 3032     | 0.891  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 2360     | 0.976  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.226 | 75   | 1592m    | 0.791  | ug/l   |          |
| 77) Bromobenzene              | 11.183 | 156  | 2263     | 0.960  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.287 | 91   | 9988     | 0.886  | ug/l   | 91       |
| 79) 2-Chlorotoluene           | 11.348 | 91   | 6513     | 0.962  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 6812     | 0.871  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 7437     | 0.934  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 7219     | 0.907  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.738 | 105  | 6657     | 0.860  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 8718     | 0.879  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.994 | 119  | 7263     | 0.866  | ug/l   | 88       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 4931     | 1.095  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 5027m    | 1.096  | ug/l   |          |
| 89) n-Butylbenzene            | 12.317 | 91   | 7462     | 0.948  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.518 | 117  | 1343     | 0.911  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 4175     | 1.001  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 468      | 0.989  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 13.573 | 180  | 2942     | 1.022  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 1309     | 1.084  | ug/l   | 96       |
| 95) Naphthalene               | 13.756 | 128  | 6652     | 0.915  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.945 | 180  | 2531     | 0.968  | ug/l   | 90       |

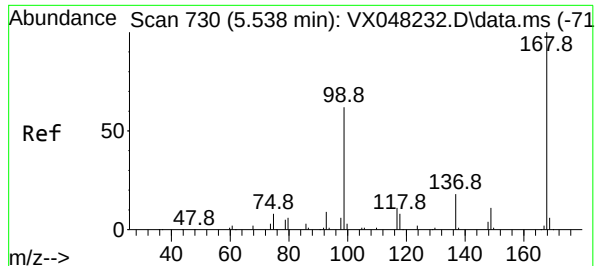
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC001

## Manual Integrations

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025





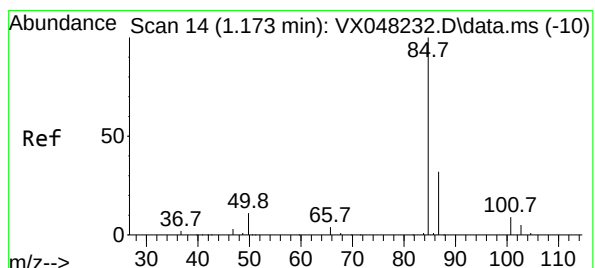
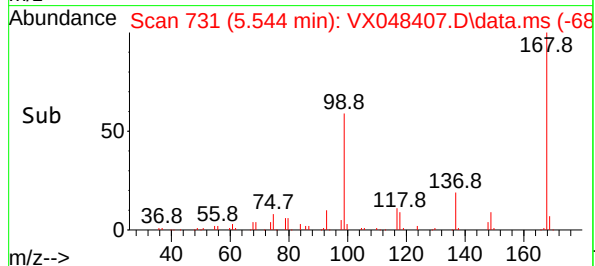
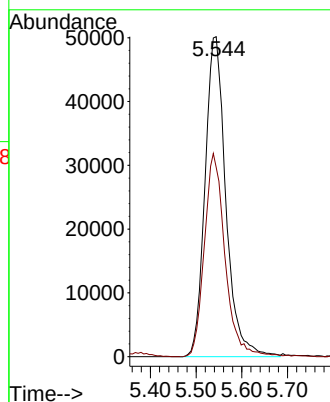
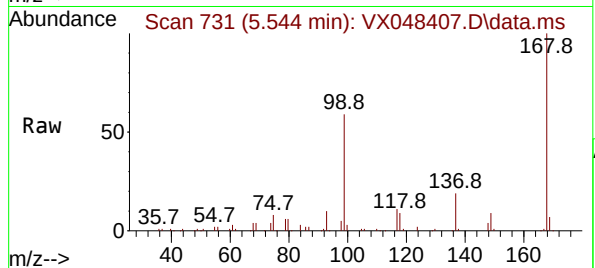
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Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion:168 Resp: 15856  
Ion Ratio Lower Upper  
168 100  
99 59.2 46.4 69.6

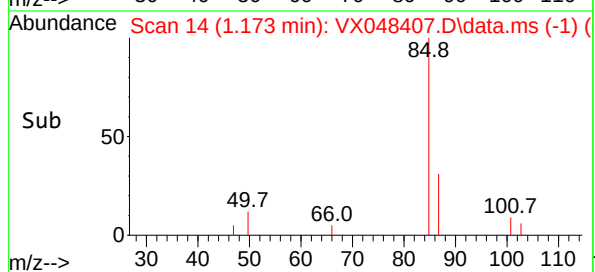
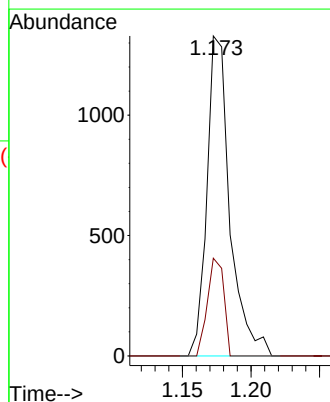
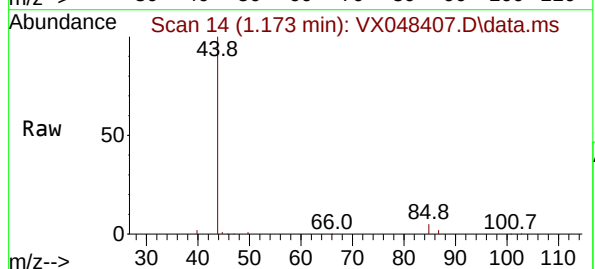
Manual Integrations  
APPROVED

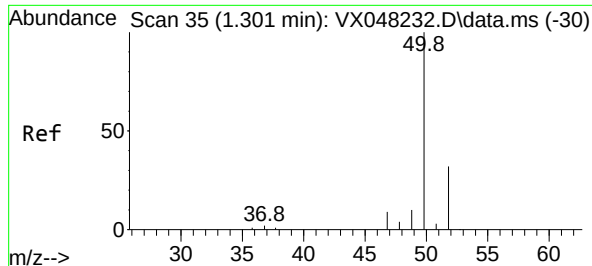
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#2  
Dichlorodifluoromethane  
Concen: 0.958 ug/l  
RT: 1.173 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion: 85 Resp: 1549  
Ion Ratio Lower Upper  
85 100  
87 30.5 15.3 45.9





#3

Chloromethane

Concen: 1.273 ug/l

RT: 1.301 min Scan# 30

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 50 Resp: 1162

Ion Ratio Lower Upper

50 100

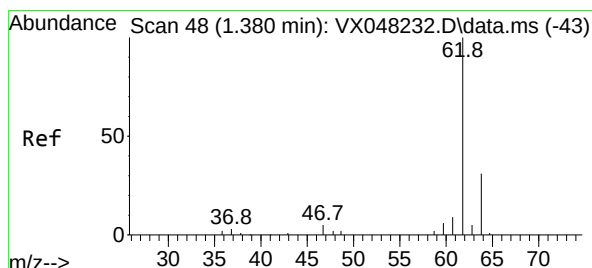
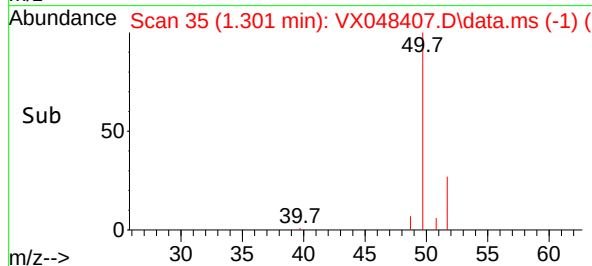
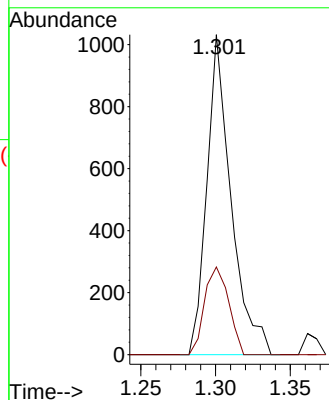
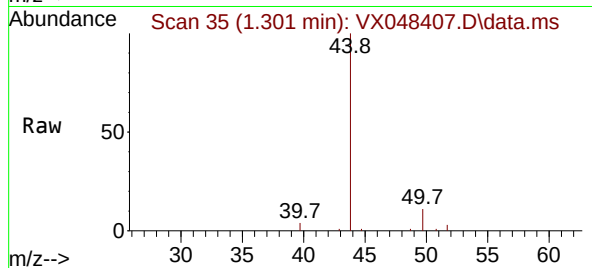
52 27.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#4

Vinyl Chloride

Concen: 0.962 ug/l

RT: 1.380 min Scan# 48

Delta R.T. 0.000 min

Lab File: VX048407.D

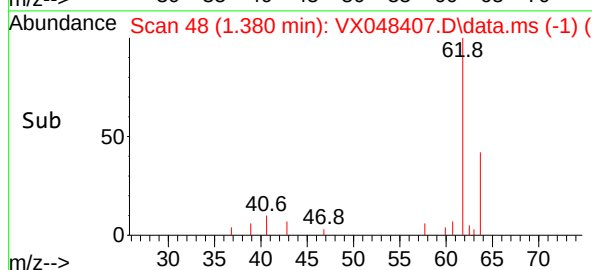
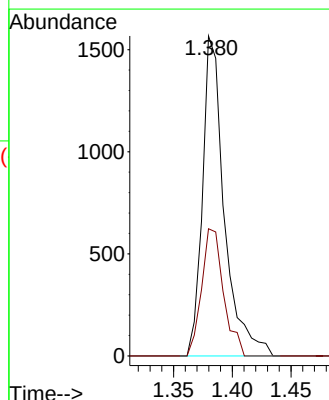
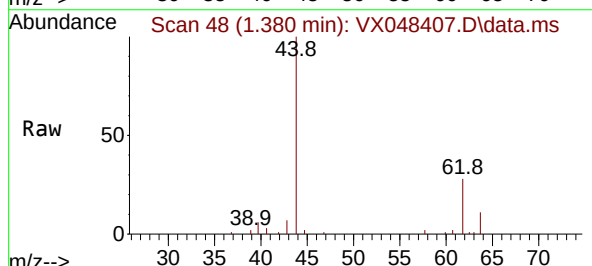
Acq: 29 Oct 2025 11:12

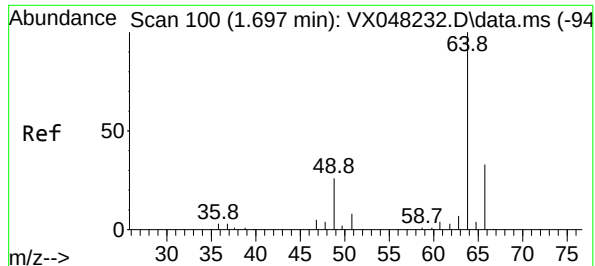
Tgt Ion: 62 Resp: 2027

Ion Ratio Lower Upper

62 100

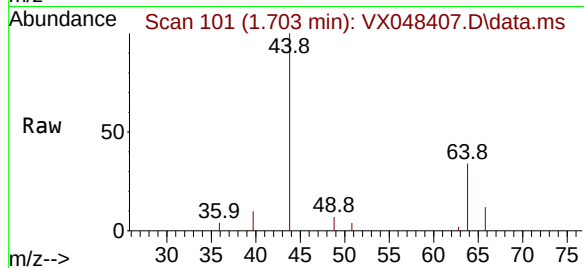
64 39.8 25.1 37.7#





#6  
Chloroethane  
Concen: 1.023 ug/l  
RT: 1.703 min Scan# 101  
Delta R.T. 0.006 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

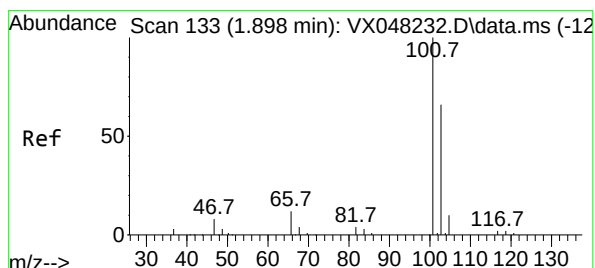
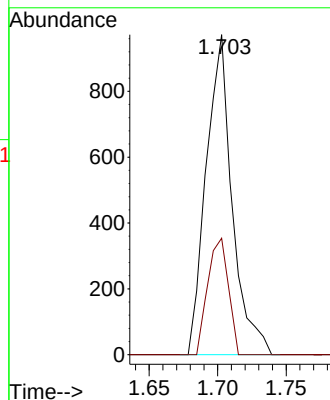
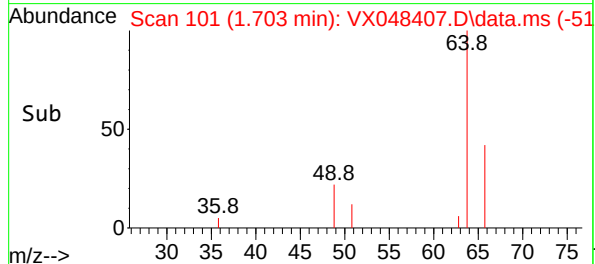
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



Tgt Ion: 64 Resp: 128  
Ion Ratio Lower Upper  
64 100  
66 36.4 23.9 35.9

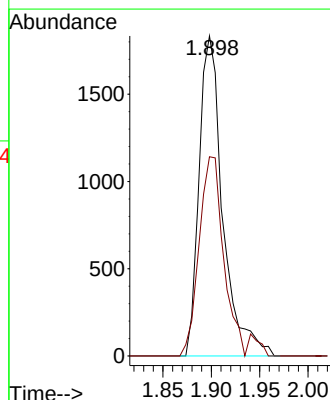
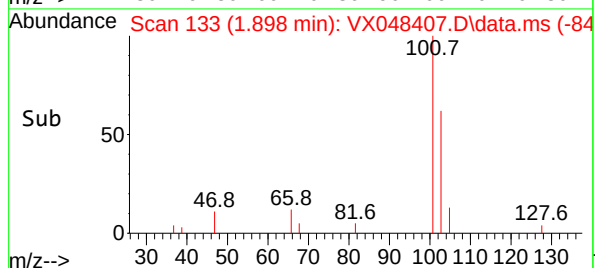
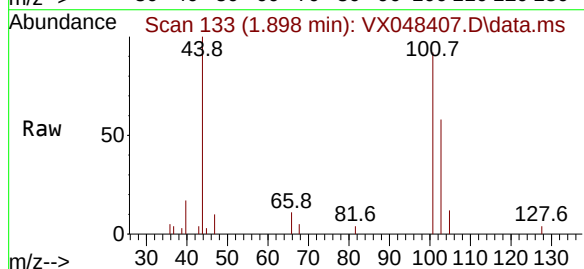
Manual Integrations  
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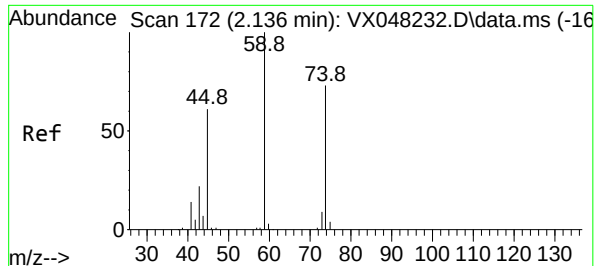
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#7  
Trichlorofluoromethane  
Concen: 0.966 ug/l  
RT: 1.898 min Scan# 133  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion:101 Resp: 3121  
Ion Ratio Lower Upper  
101 100  
103 62.3 51.6 77.4





#8

Diethyl Ether

Concen: 0.998 ug/l

RT: 2.136 min Scan# 116

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 74 Resp: 116

Ion Ratio Lower Upper

74 100

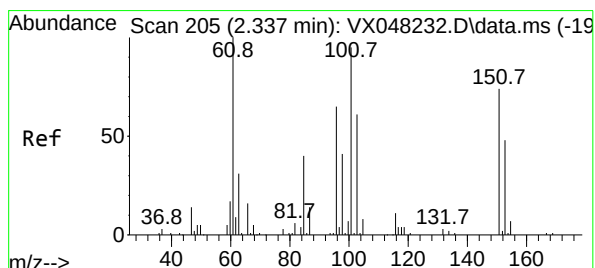
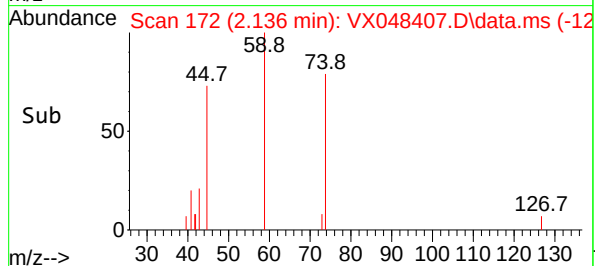
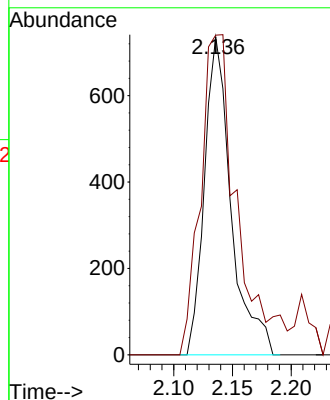
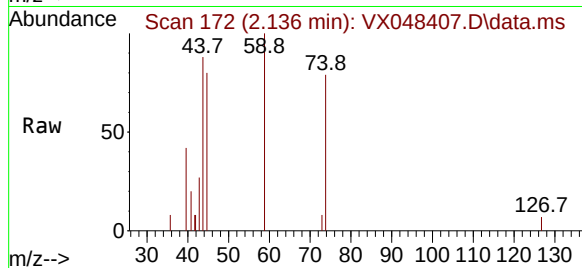
45 137.9 50.0 149.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.946 ug/l

RT: 2.337 min Scan# 205

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

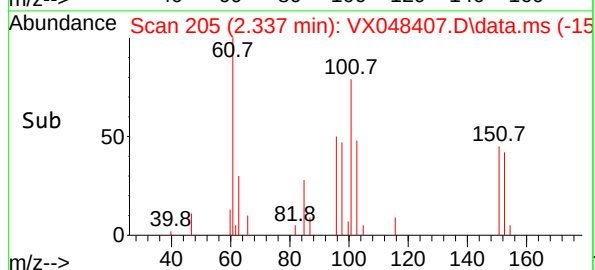
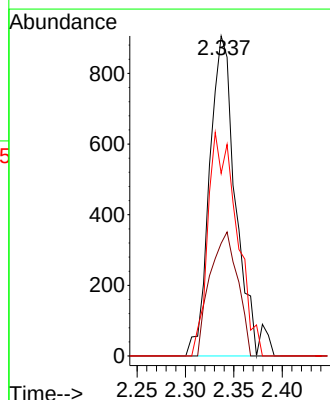
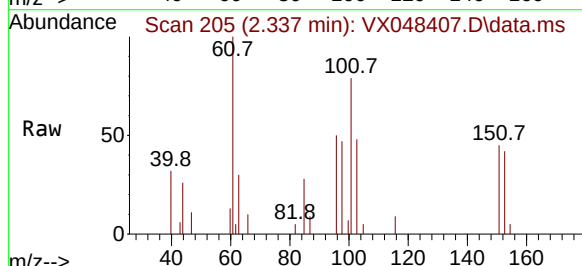
Tgt Ion:101 Resp: 1719

Ion Ratio Lower Upper

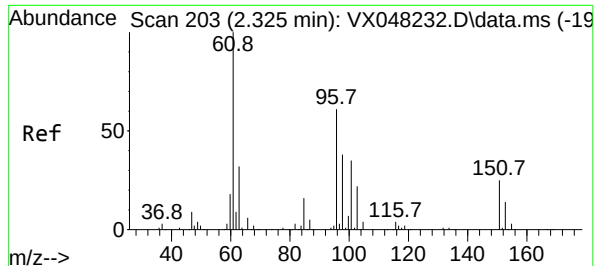
101 100

85 40.6 35.6 53.4

151 76.8 58.0 87.0







#12

1,1-Dichloroethene

Concen: 0.985 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 1818

Ion Ratio Lower Upper

96 100

61 147.0 139.0 208.6

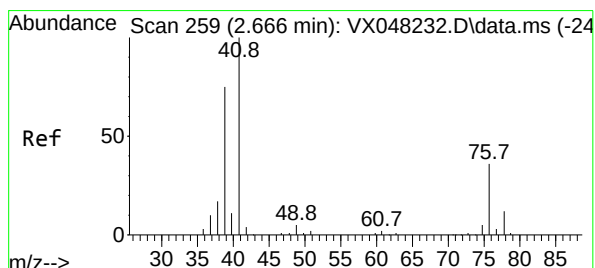
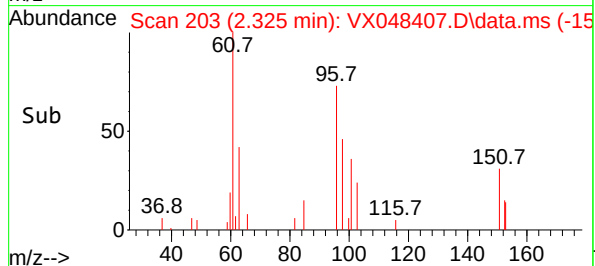
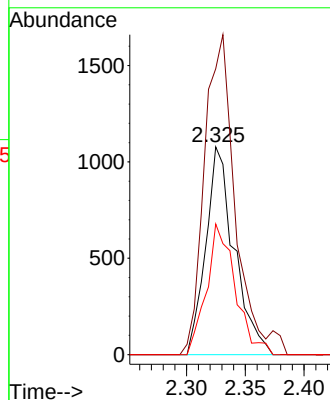
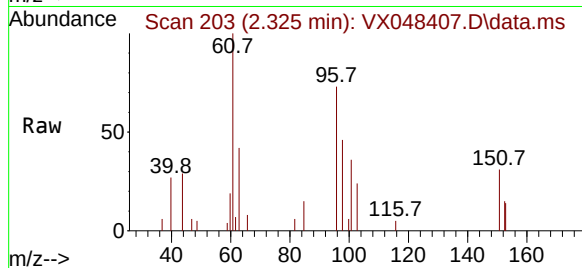
98 62.9 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#14

Allyl chloride

Concen: 1.092 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

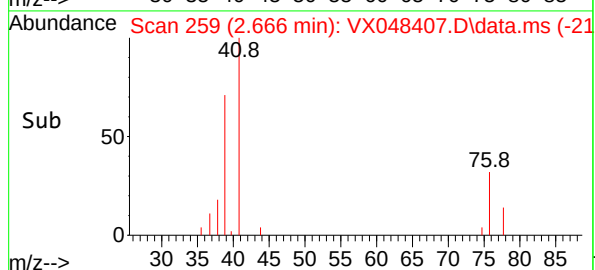
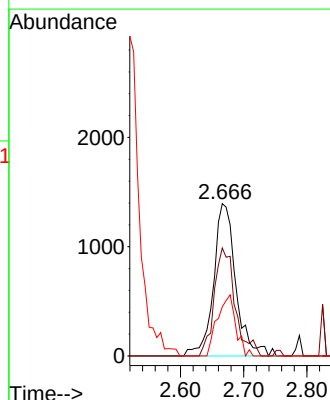
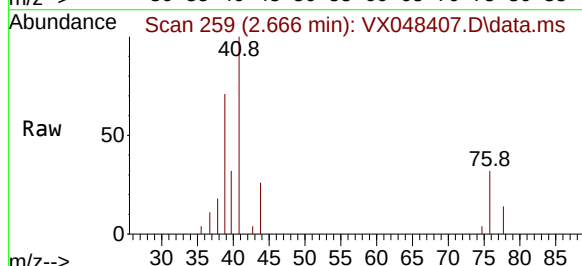
Tgt Ion: 41 Resp: 3412

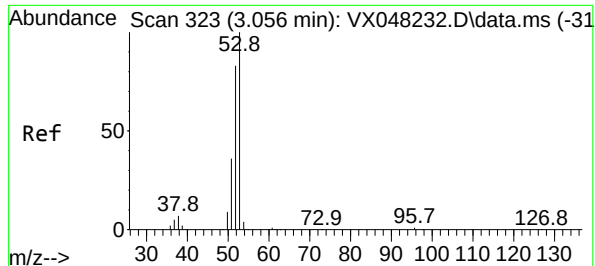
Ion Ratio Lower Upper

41 100

39 66.1 56.0 84.0

76 32.9 27.5 41.3





#15

Acrylonitrile

Concen: 5.016 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

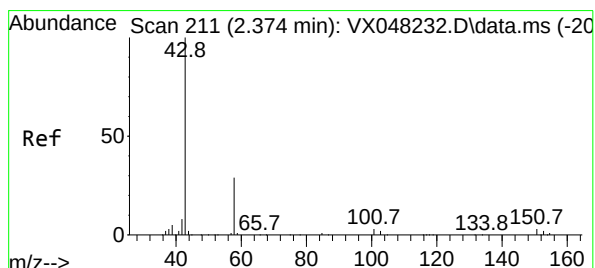
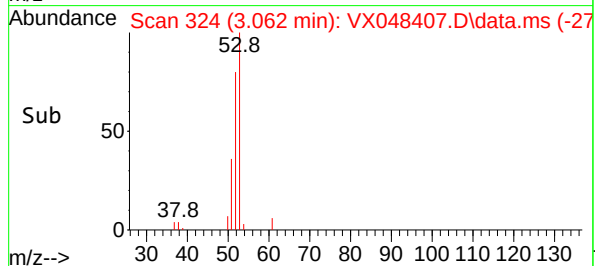
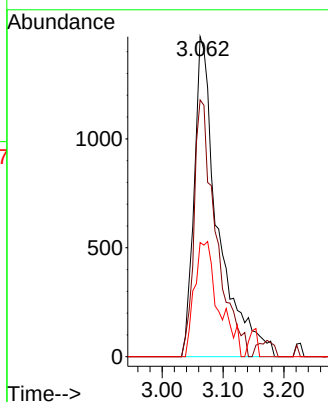
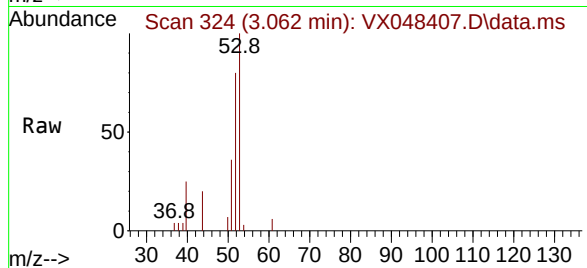
VSTDICC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 398   |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 74.0  | 66.1  | 99.1  |
| 51       | 36.3  | 29.0  | 43.4  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#16

Acetone

Concen: 5.408 ug/l

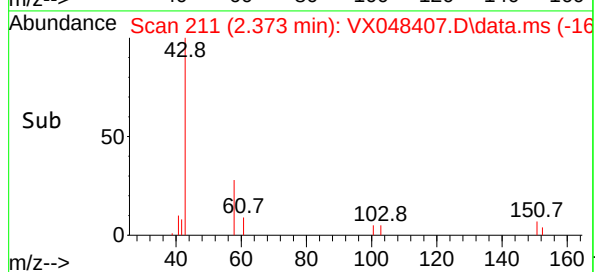
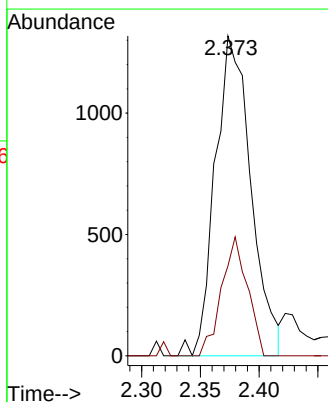
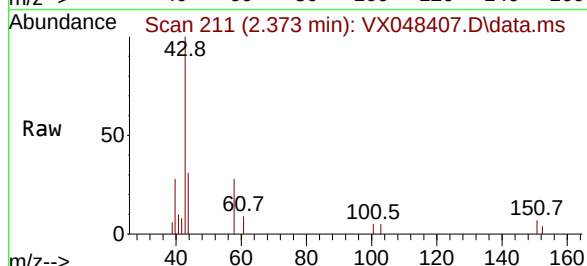
RT: 2.373 min Scan# 211

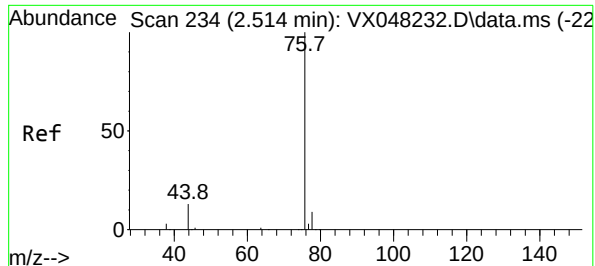
Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2795  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 21.5  | 23.4  | 35.2  |





#17

Carbon Disulfide

Concen: 1.121 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 593

Ion Ratio Lower Upper

76 100

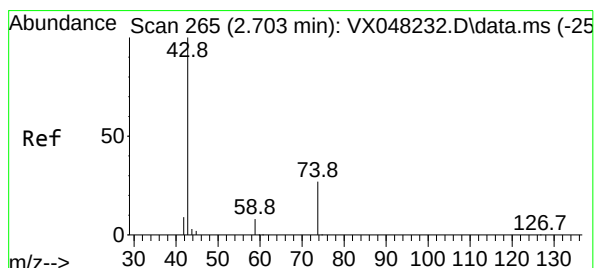
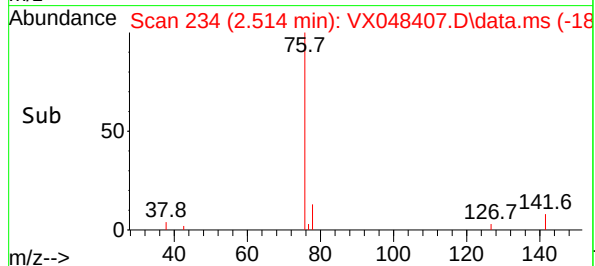
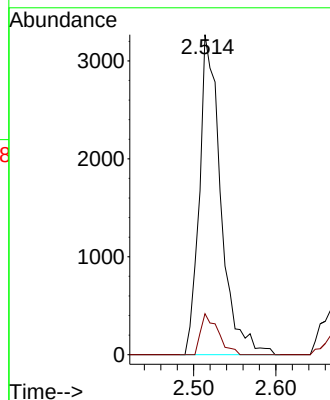
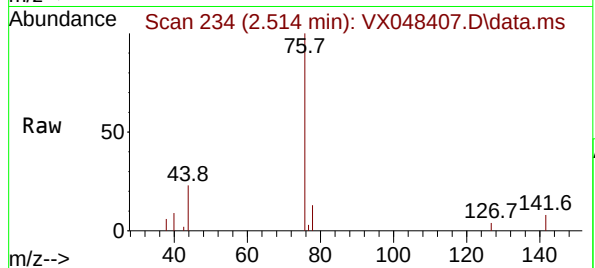
78 12.8 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#18

Methyl Acetate

Concen: 1.060 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.012 min

Lab File: VX048407.D

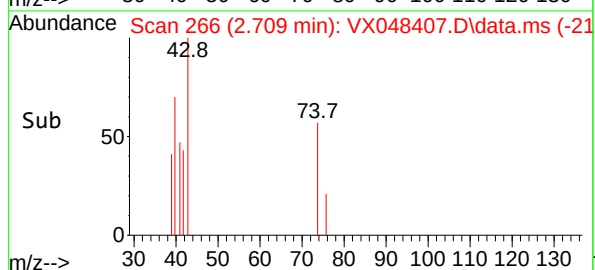
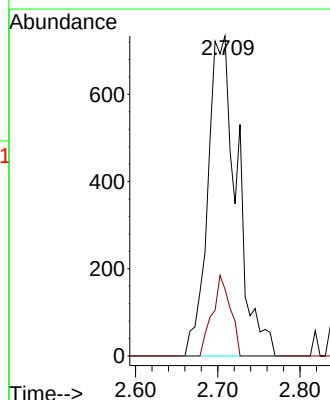
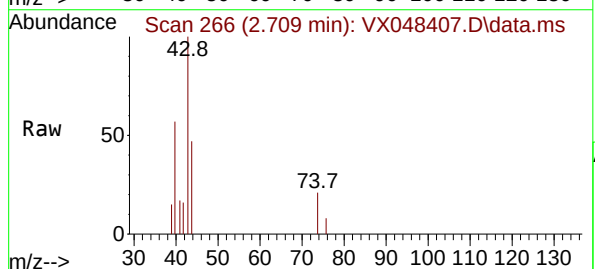
Acq: 29 Oct 2025 11:12

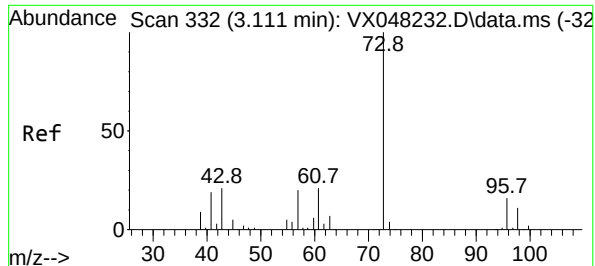
Tgt Ion: 43 Resp: 1832

Ion Ratio Lower Upper

43 100

74 15.4 17.5 26.3





#19

Methyl tert-butyl Ether

Concen: 1.056 ug/l

RT: 3.105 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 73 Resp: 6239

Ion Ratio Lower Upper

73 100

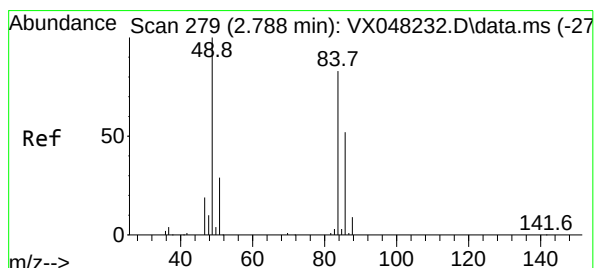
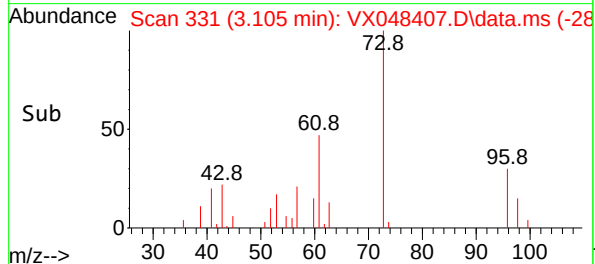
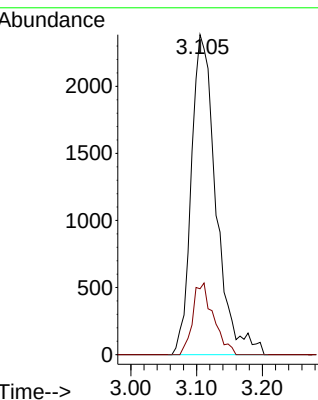
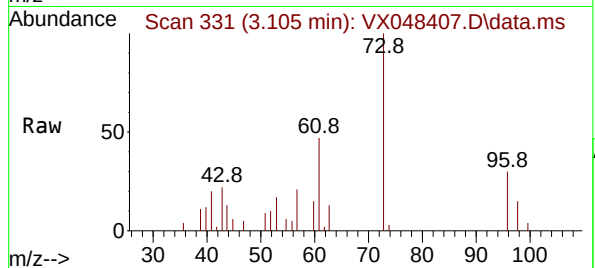
57 20.6 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#20

Methylene Chloride

Concen: 1.051 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Tgt Ion: 84 Resp: 2094

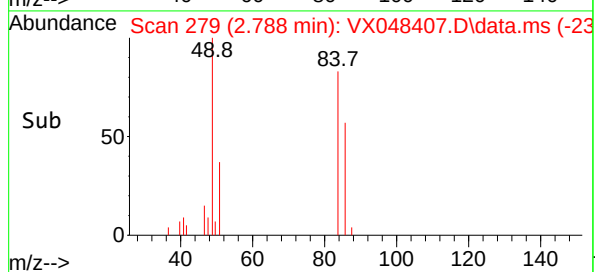
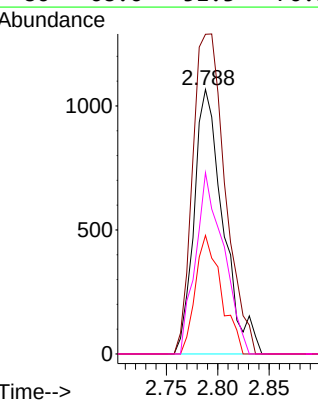
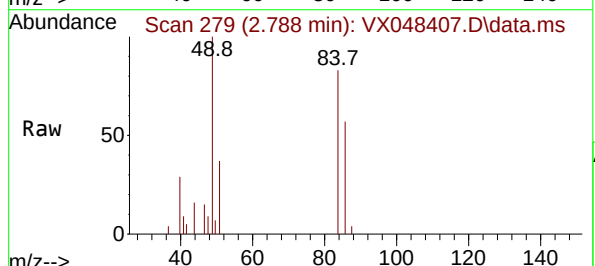
Ion Ratio Lower Upper

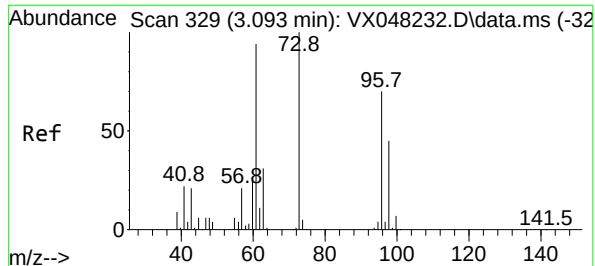
84 100

49 129.3 104.1 156.1

51 44.8 31.3 46.9

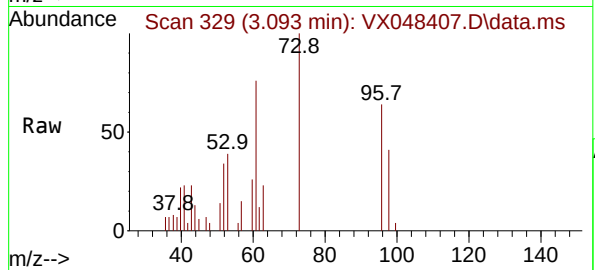
86 68.6 51.3 76.9





#21  
trans-1,2-Dichloroethene  
Concen: 0.994 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

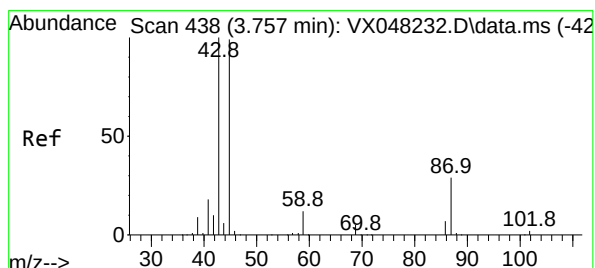
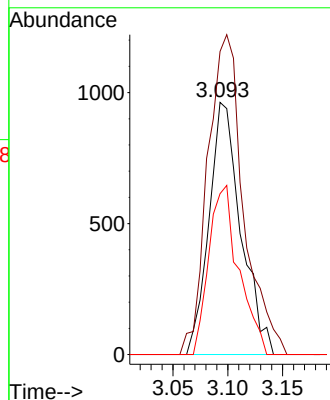
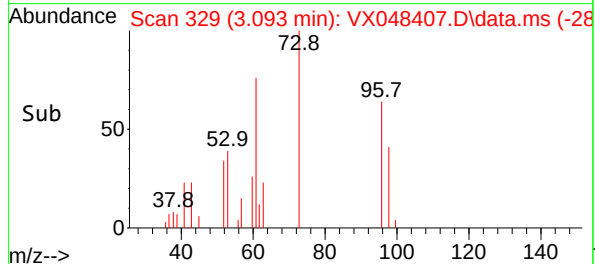
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



Tgt Ion: 96 Resp: 1948  
Ion Ratio Lower Upper  
96 100  
61 120.1 111.9 167.9  
98 63.8 51.2 76.8

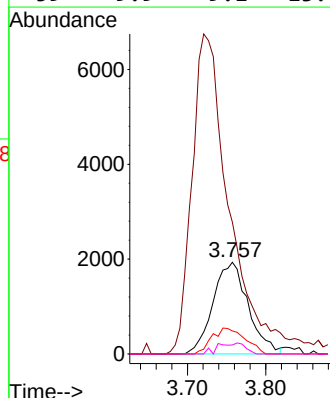
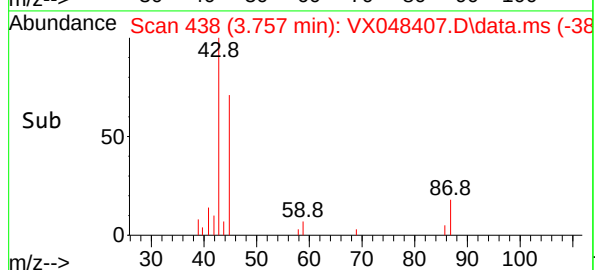
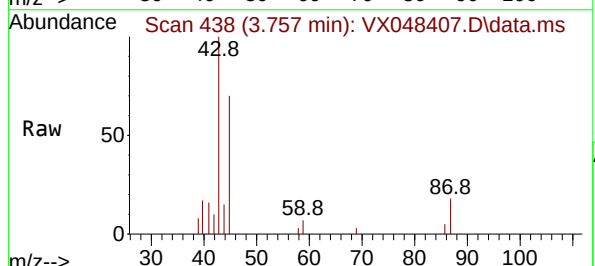
Manual Integrations  
APPROVED

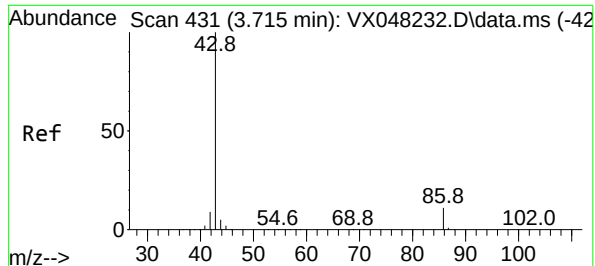
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#22  
Diisopropyl ether  
Concen: 0.946 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion: 45 Resp: 6050  
Ion Ratio Lower Upper  
45 100  
43 120.5 89.8 134.8  
87 25.2 20.6 31.0  
59 9.9 9.1 13.7





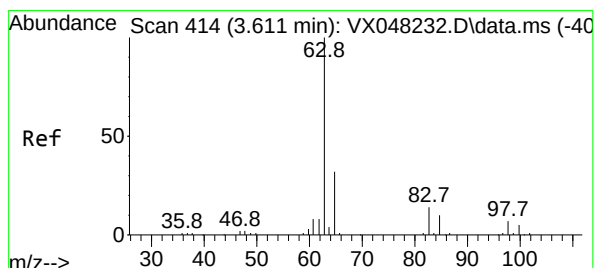
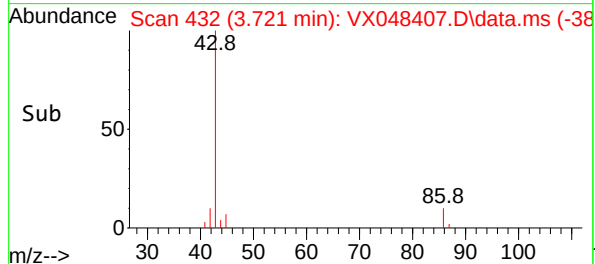
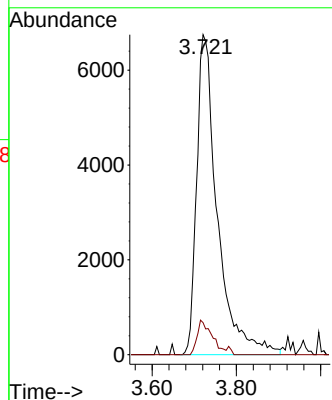
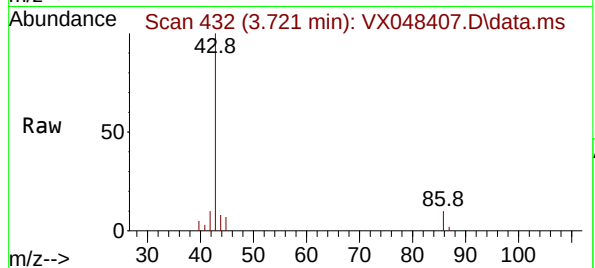
#23  
Vinyl Acetate  
Concen: 5.291 ug/l  
RT: 3.721 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion: 43 Resp: 2304  
Ion Ratio Lower Upper  
43 100  
86 10.3 7.9 11.9

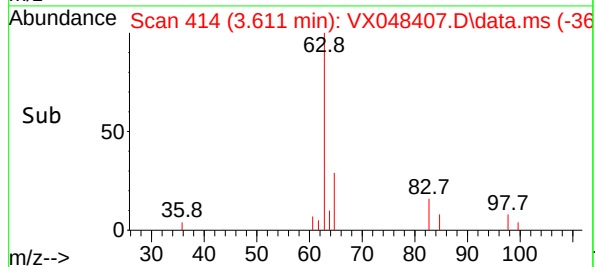
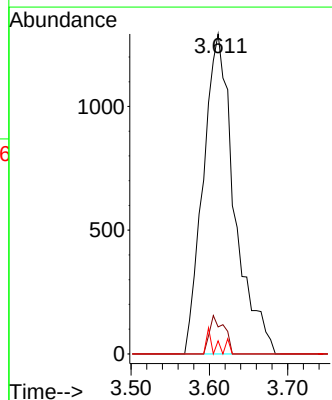
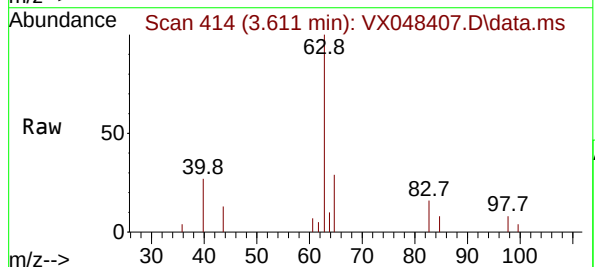
Manual Integrations  
APPROVED

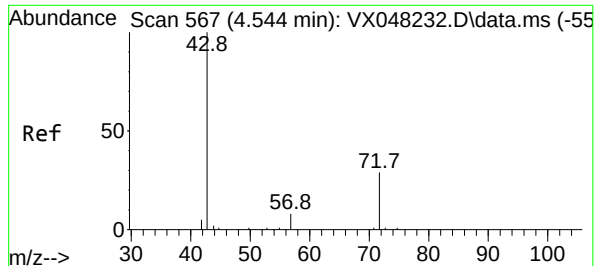
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#24  
1,1-Dichloroethane  
Concen: 0.987 ug/l  
RT: 3.611 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion: 63 Resp: 3584  
Ion Ratio Lower Upper  
63 100  
98 8.4 3.5 10.6  
100 4.1 2.1 6.3





#25

2-Butanone

Concen: 4.937 ug/l

RT: 4.556 min Scan# 50

Delta R.T. 0.018 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 4070

Ion Ratio Lower Upper

43 100

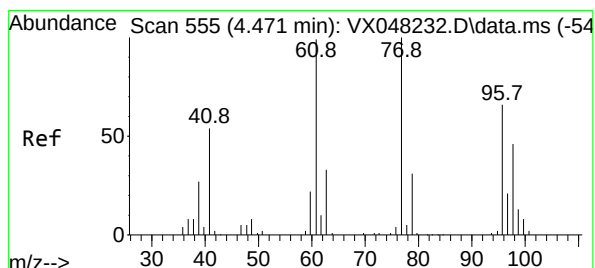
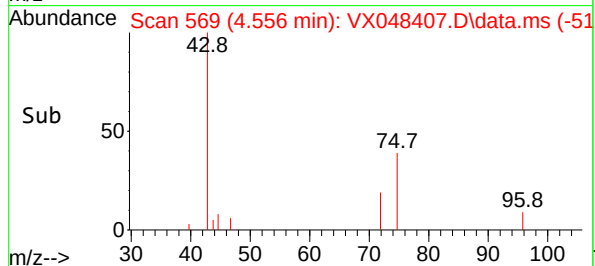
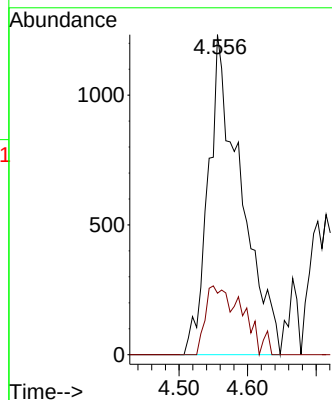
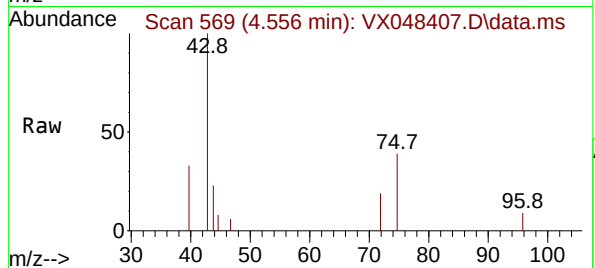
72 19.2 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#26

2,2-Dichloropropane

Concen: 1.057 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX048407.D

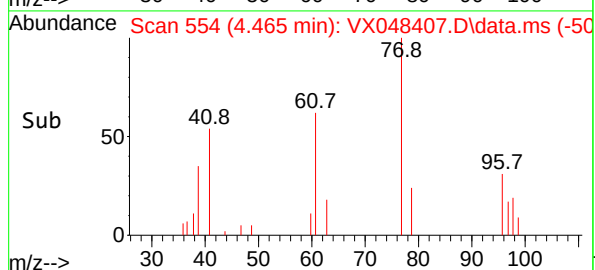
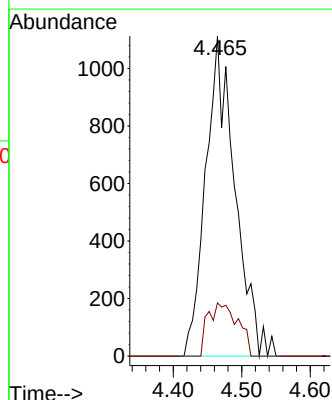
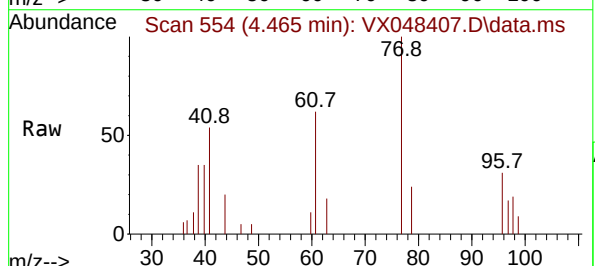
Acq: 29 Oct 2025 11:12

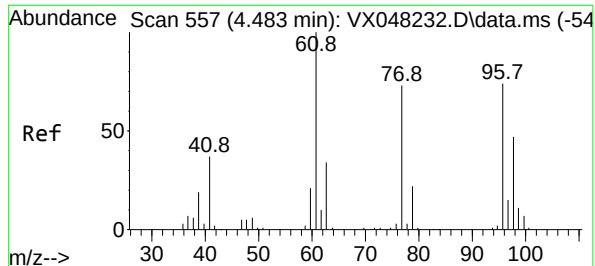
Tgt Ion: 77 Resp: 3304

Ion Ratio Lower Upper

77 100

97 16.9 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 1.025 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

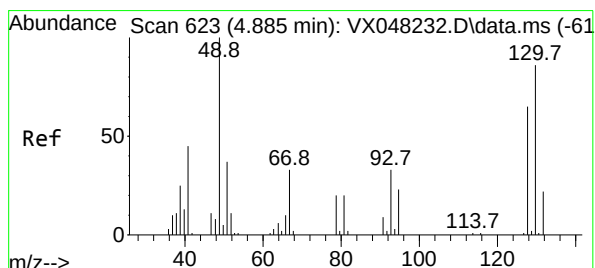
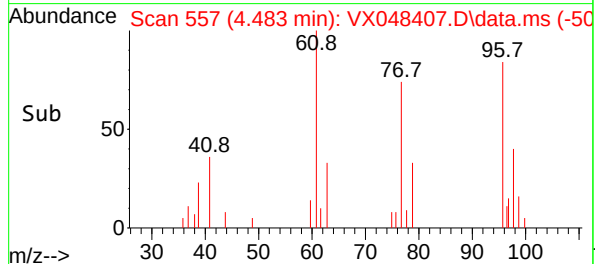
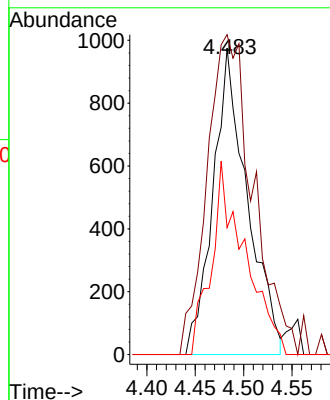
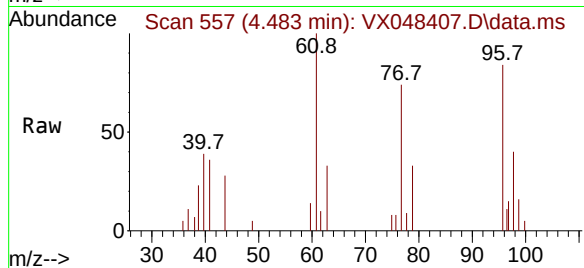
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 239   |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 140.1 | 0.0   | 294.2 |
| 98       | 61.5  | 0.0   | 128.4 |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#28

Bromochloromethane

Concen: 0.897 ug/l

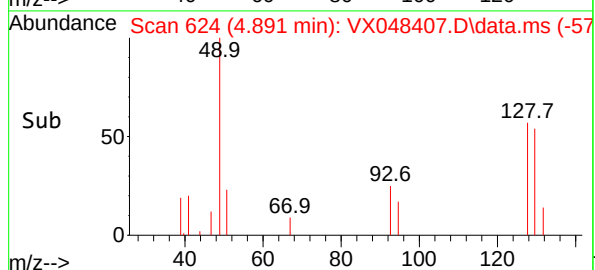
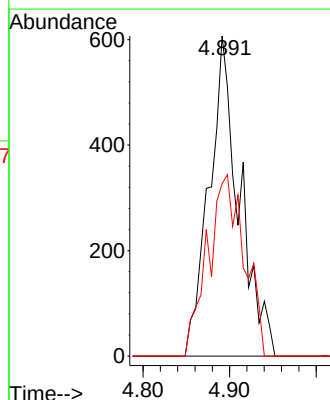
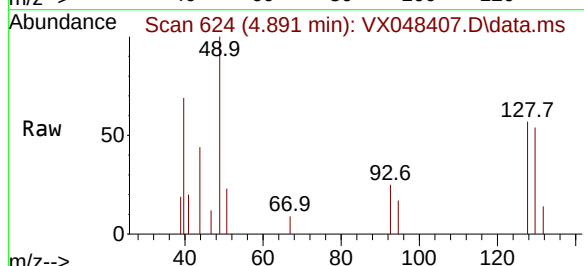
RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

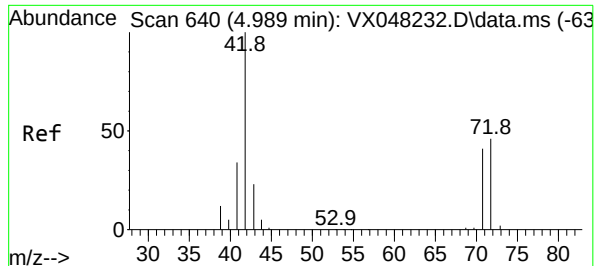
Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 1476  |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.0   | 0.0   | 4.4   |
| 130      | 68.6  | 59.3  | 88.9  |







#29

Tetrahydrofuran

Concen: 5.208 ug/l

RT: 5.001 min Scan# 640

Delta R.T. 0.012 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

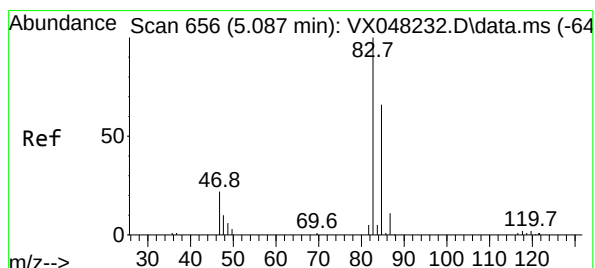
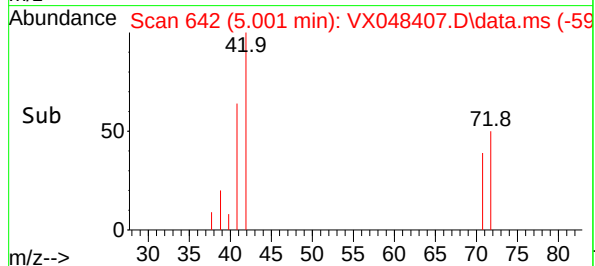
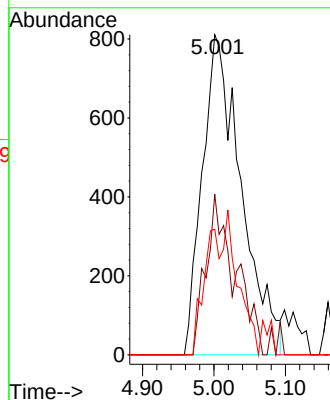
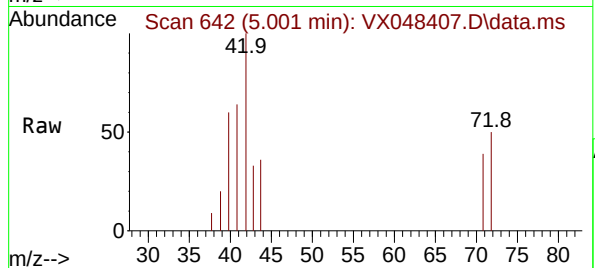
VSTDICC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 306   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 26.6  | 35.3  | 52.9  |
| 71       | 16.4  | 32.2  | 48.4  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#30

Chloroform

Concen: 1.019 ug/l

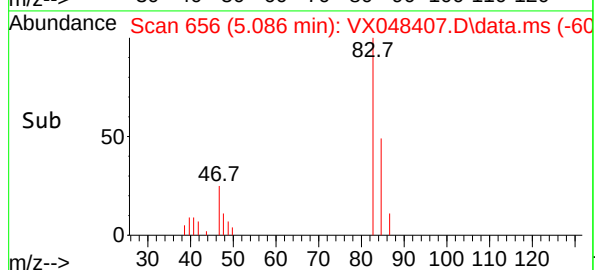
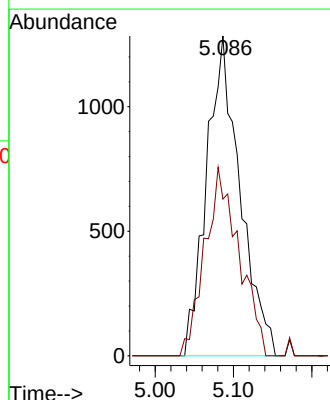
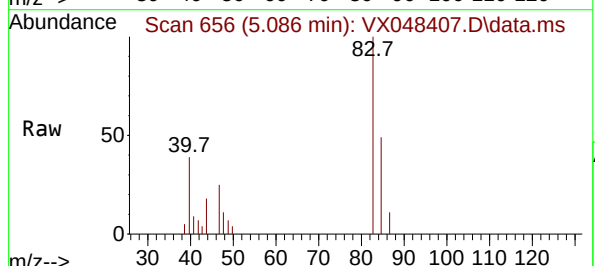
RT: 5.086 min Scan# 656

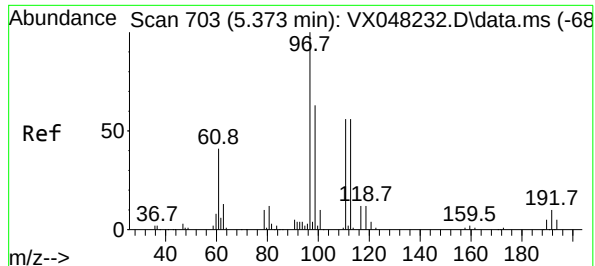
Delta R.T. 0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 3806  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 49.0  | 50.1  | 75.1  |





#32

1,1,1-Trichloroethane

Concen: 0.991 ug/l

RT: 5.367 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 326

Ion Ratio Lower Upper

97 100

99 0.0 51.7 77.5

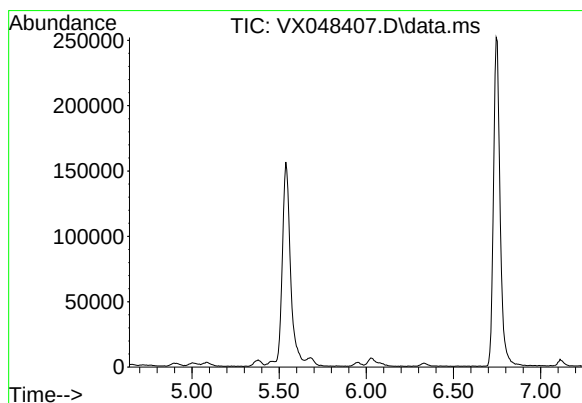
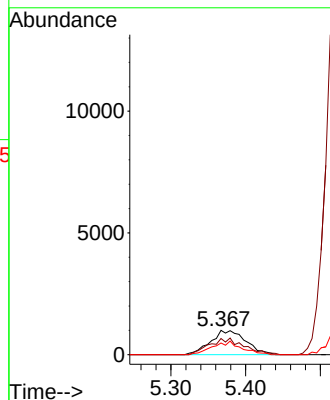
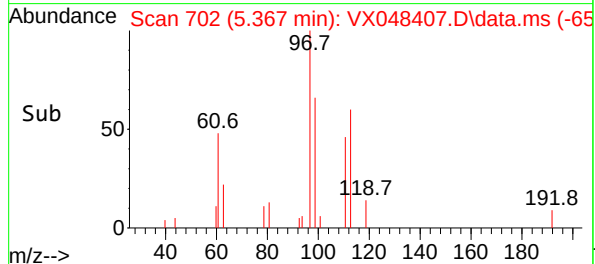
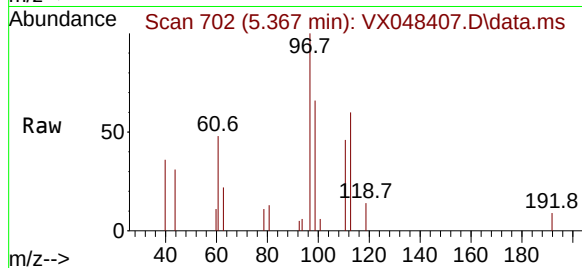
61 45.6 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.94 min

Lab File: VX048407.D

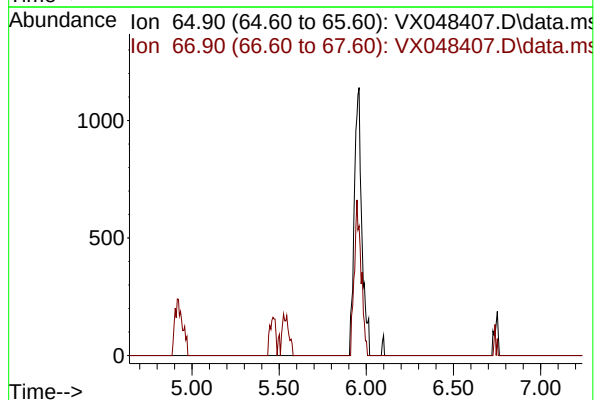
Acq: 29 Oct 2025 11:12

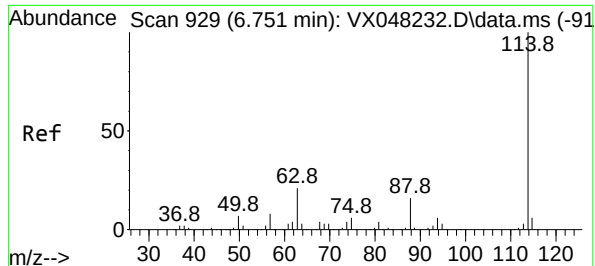
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.5





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 28404

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.2

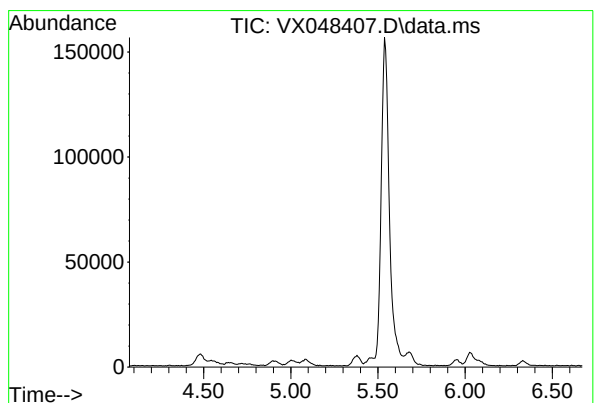
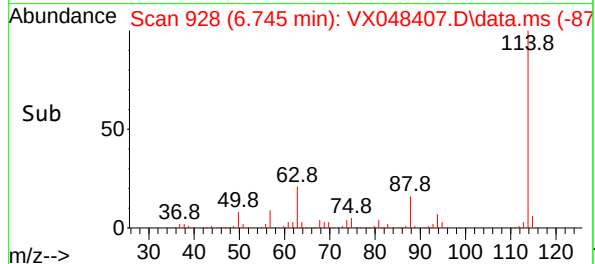
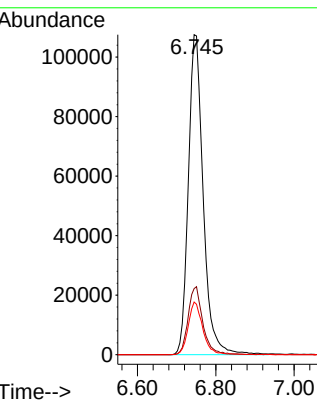
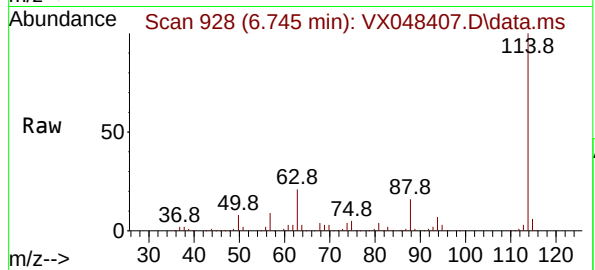
88 16.5 0.0 33.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.37 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

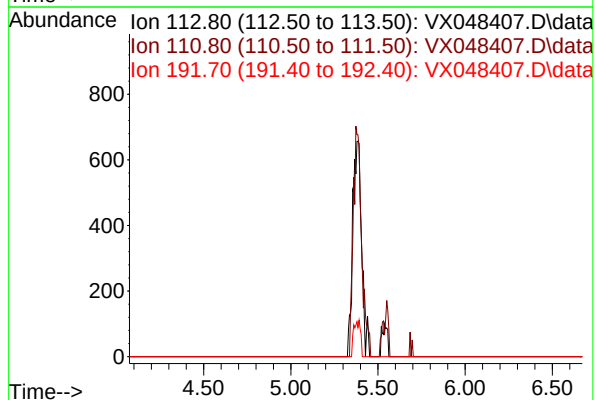
Tgt Ion: 113

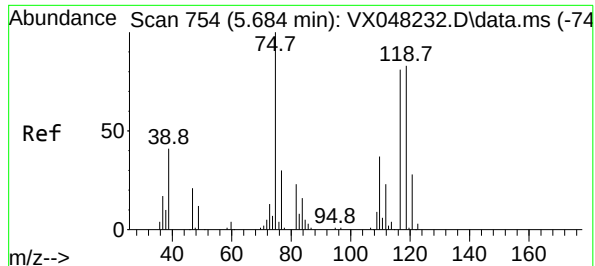
Sig Exp Ratio

113 100

111 102.8

192 18.9





#36

1,1-Dichloropropene

Concen: 1.006 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

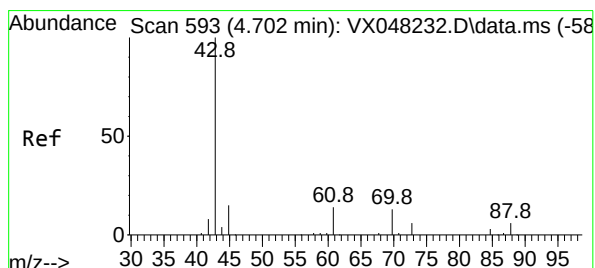
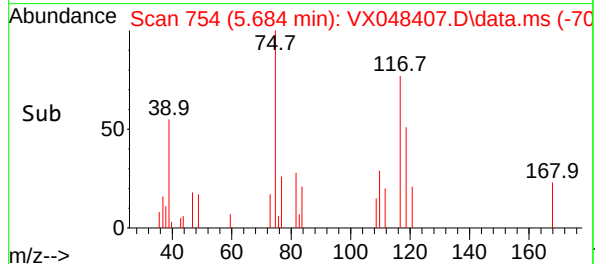
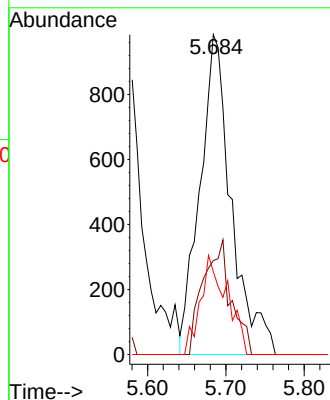
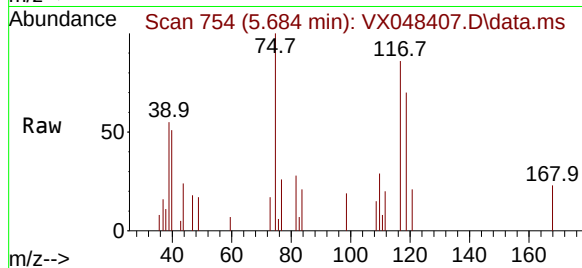
VSTDICC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 273   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 31.8  | 17.7  | 53.1  |
| 77       | 26.4  | 24.3  | 36.5  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#37

Ethyl Acetate

Concen: 0.893 ug/l m

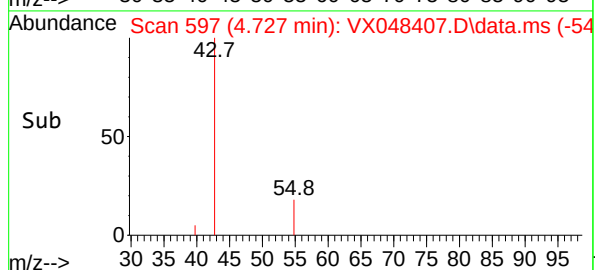
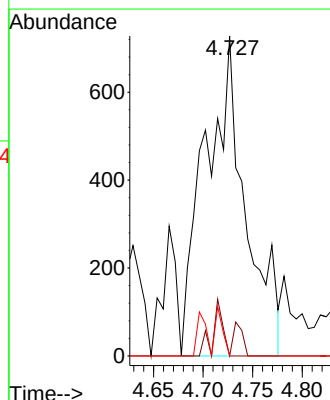
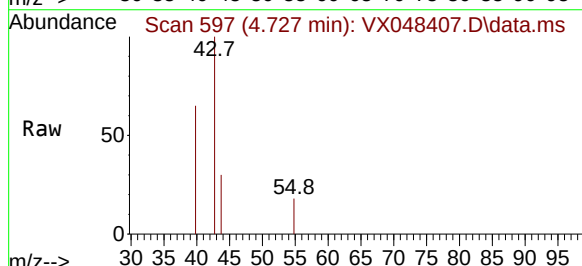
RT: 4.727 min Scan# 597

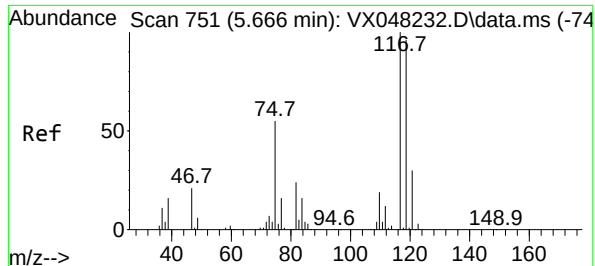
Delta R.T. 0.031 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2068  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 10.6  | 15.8# |
| 70       | 3.0   | 7.8   | 11.6# |





#38

Carbon Tetrachloride

Concen: 1.047 ug/l

RT: 5.678 min Scan# 751

Delta R.T. 0.012 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

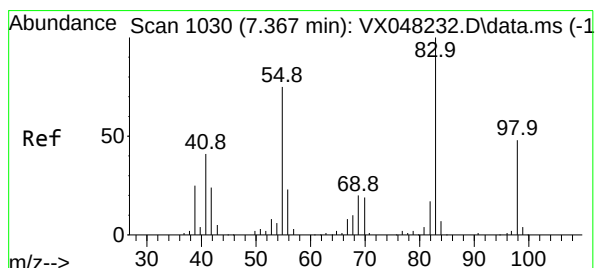
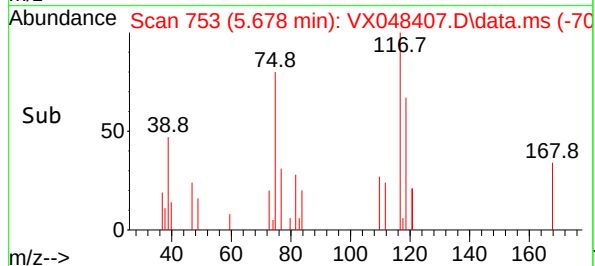
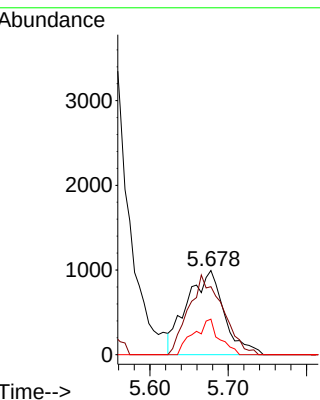
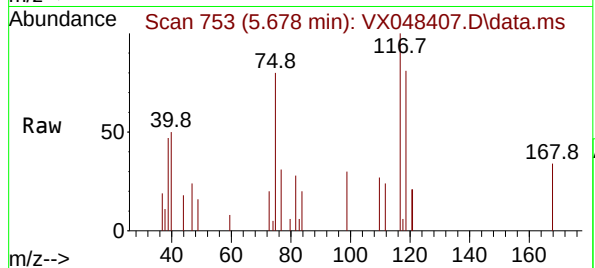
VSTDIC001

Tgt Ion: 117 Resp: 3280  
Ion Ratio Lower Upper  
117 100  
119 80.8 77.2 115.8  
121 42.1 24.8 37.2

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#39

Methylcyclohexane

Concen: 0.939 ug/l

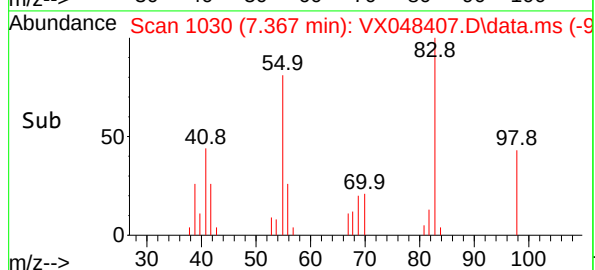
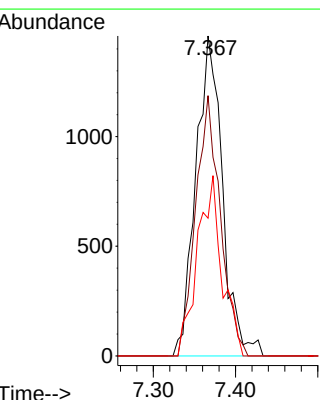
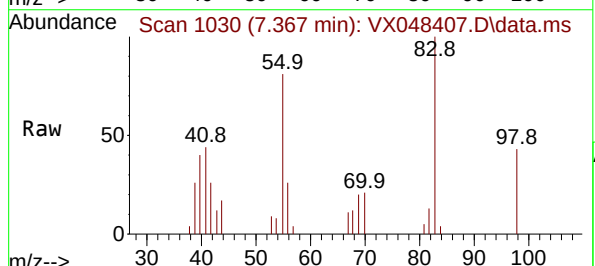
RT: 7.367 min Scan# 1030

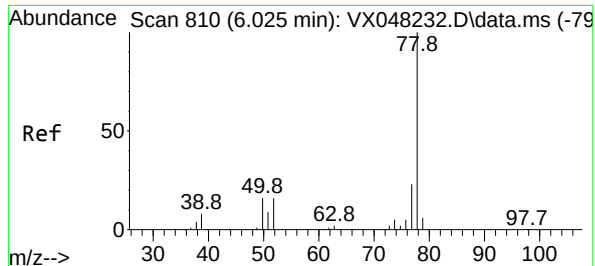
Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Tgt Ion: 83 Resp: 3285  
Ion Ratio Lower Upper  
83 100  
55 81.4 66.2 99.2  
98 43.0 38.9 58.3





#40

Benzene

Concen: 0.955 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 793

Ion Ratio Lower Upper

78 100

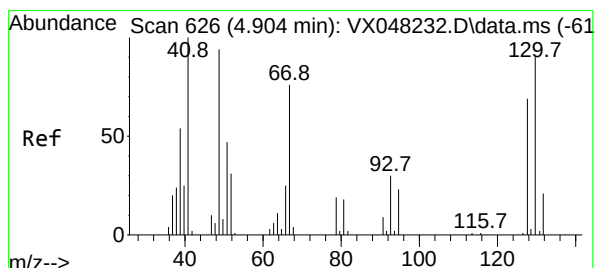
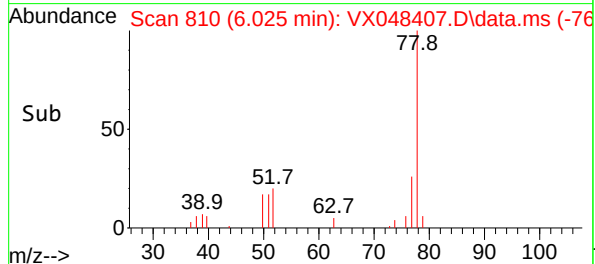
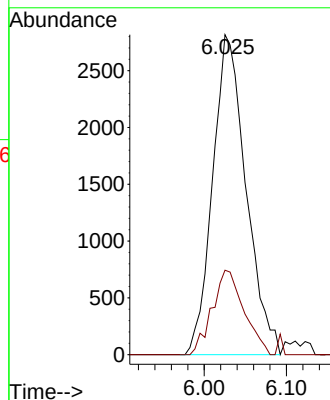
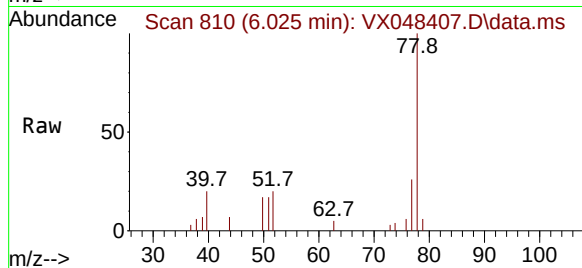
77 26.4 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#41

Methacrylonitrile

Concen: 0.949 ug/l

RT: 4.922 min Scan# 629

Delta R.T. 0.012 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Tgt Ion: 41 Resp: 1107

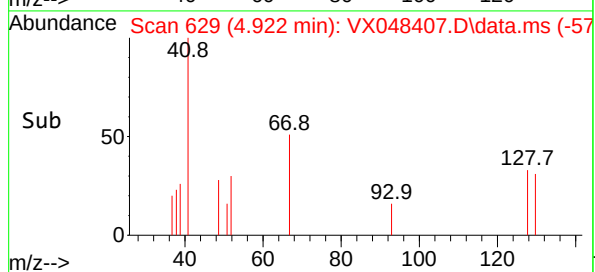
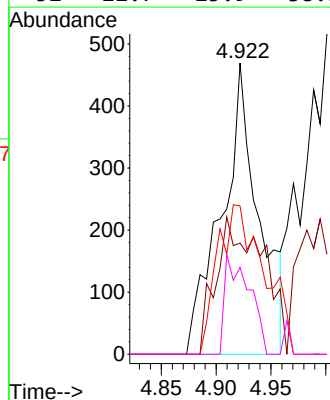
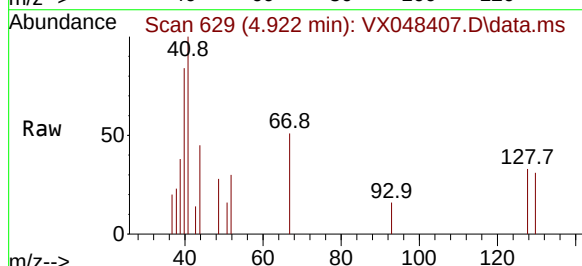
Ion Ratio Lower Upper

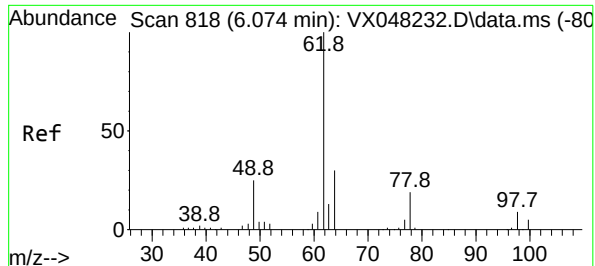
41 100

39 35.8 44.0 66.0#

67 64.1 58.7 88.1

52 22.7 25.9 38.9#





#42

1,2-Dichloroethane

Concen: 1.012 ug/l

RT: 6.080 min Scan# 818

Delta R.T. 0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 2962

Ion Ratio Lower Upper

62 100

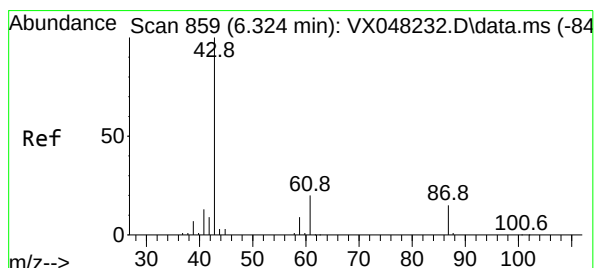
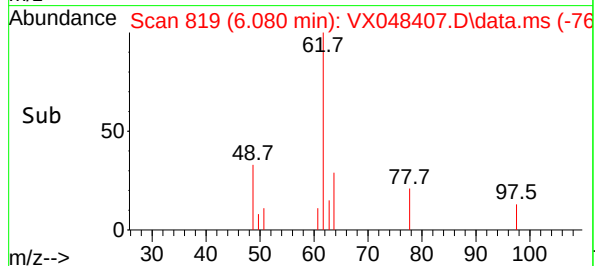
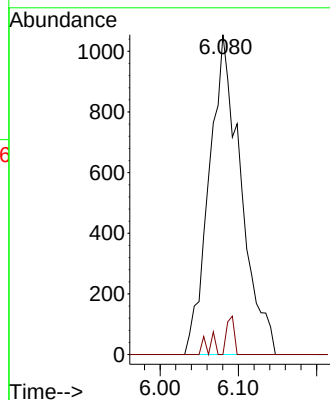
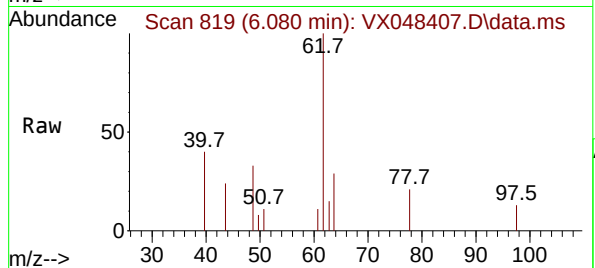
98 2.9 0.0 17.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#43

Isopropyl Acetate

Concen: 0.973 ug/l

RT: 6.330 min Scan# 860

Delta R.T. 0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

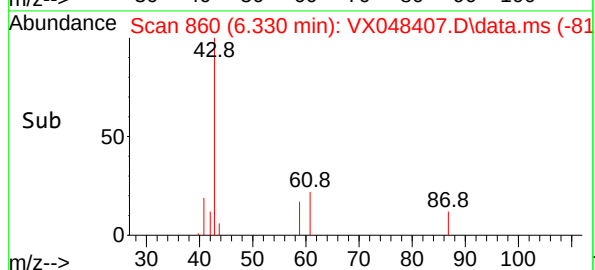
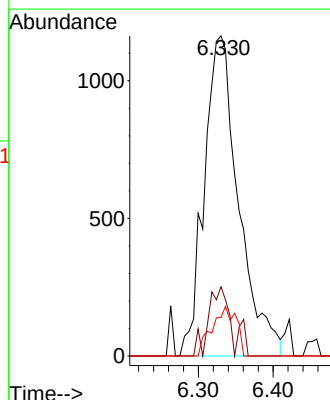
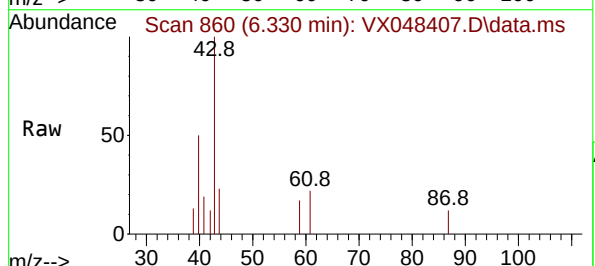
Tgt Ion: 43 Resp: 3721

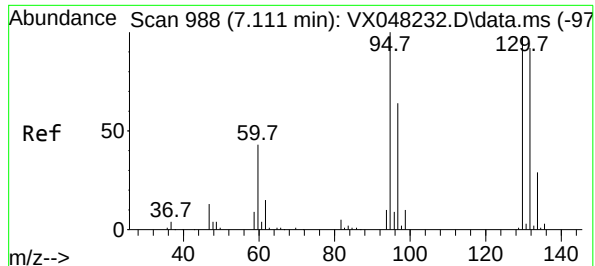
Ion Ratio Lower Upper

43 100

61 12.2 14.9 22.3#

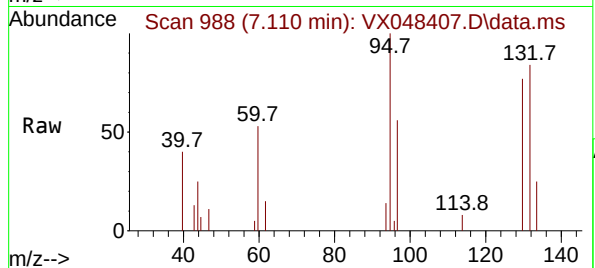
87 10.8 9.4 14.2





#44  
Trichloroethene  
Concen: 0.953 ug/l  
RT: 7.110 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

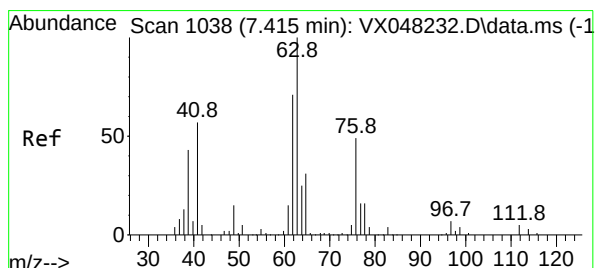
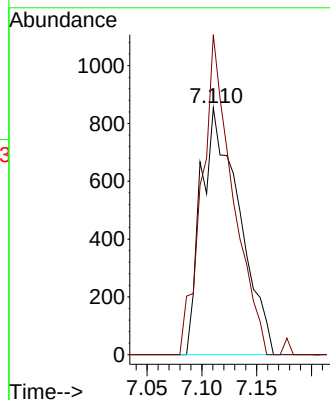
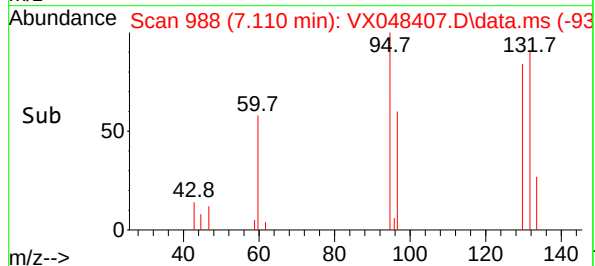
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



Tgt Ion:130 Resp: 2075  
Ion Ratio Lower Upper  
130 100  
95 129.6 0.0 200.6

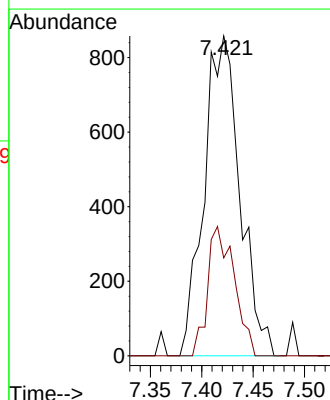
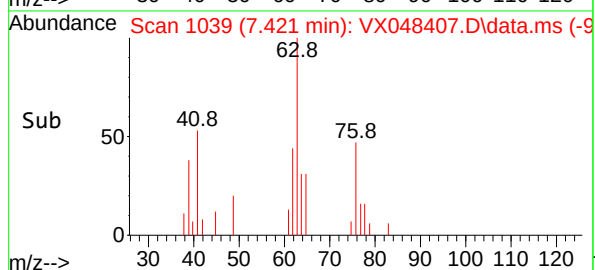
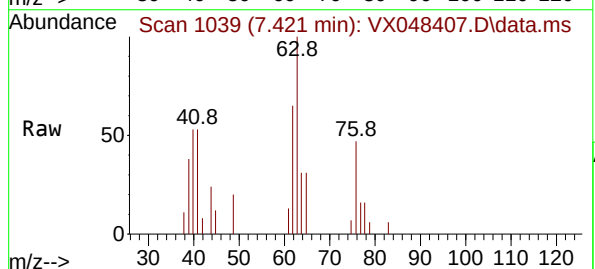
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

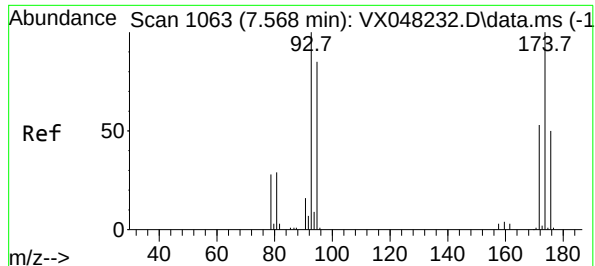


#45  
1,2-Dichloropropane  
Concen: 1.006 ug/l  
RT: 7.421 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion: 63 Resp: 2087  
Ion Ratio Lower Upper  
63 100  
65 30.7 24.1 36.1







#46

Dibromomethane

Concen: 0.957 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 93 Resp: 1390

Ion Ratio Lower Upper

93 100

95 89.1 65.9 98.9

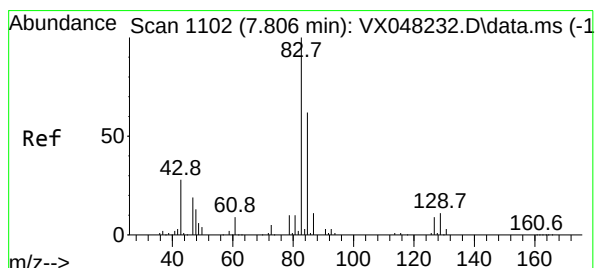
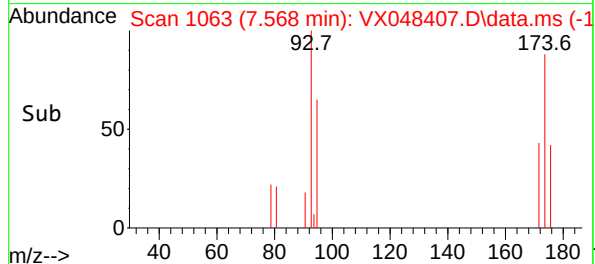
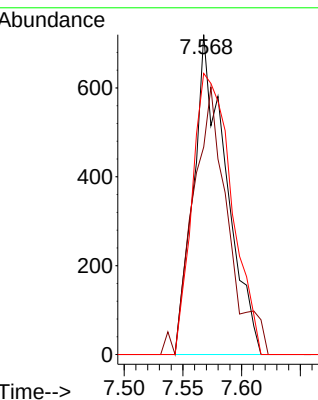
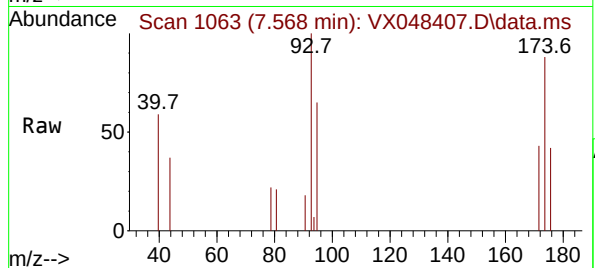
174 105.8 71.7 107.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#47

Bromodichloromethane

Concen: 0.997 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

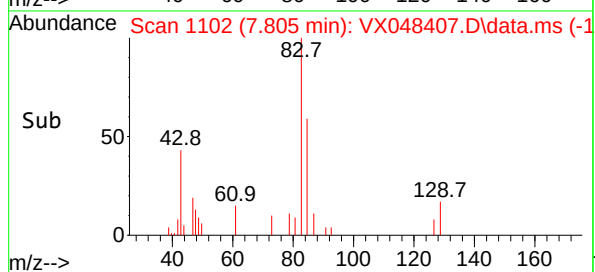
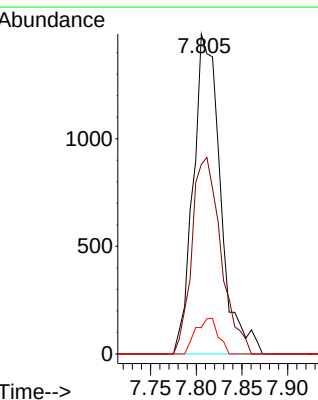
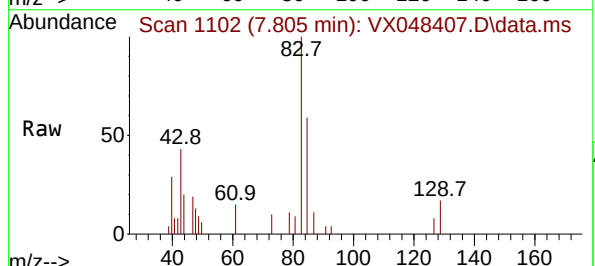
Tgt Ion: 83 Resp: 3077

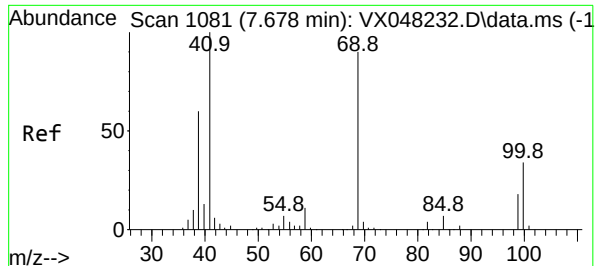
Ion Ratio Lower Upper

83 100

85 59.2 52.2 78.4

127 8.2 7.3 10.9





#48

Methyl methacrylate

Concen: 0.856 ug/l

RT: 7.684 min Scan# 1081

Delta R.T. 0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

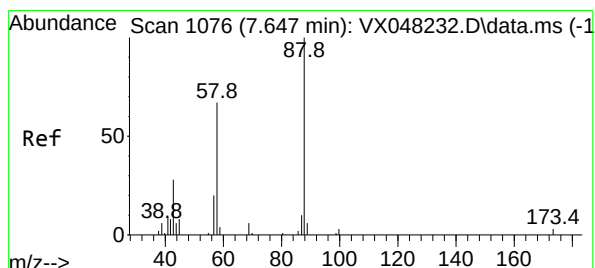
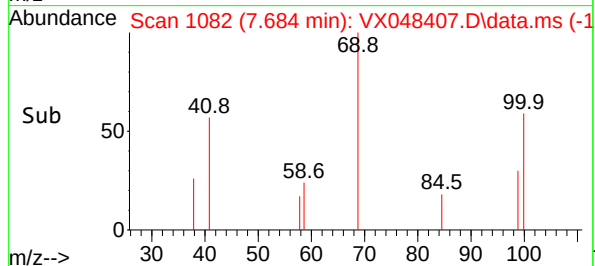
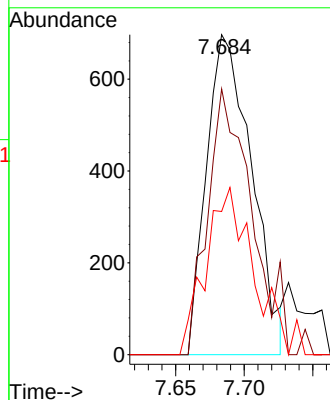
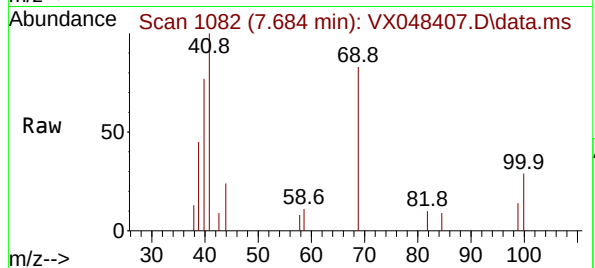
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 1590  |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 69 81.0     | 63.4 95.0   |
| 39 56.0     | 47.1 70.7   |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#49

1,4-Dioxane

Concen: 14.384 ug/l

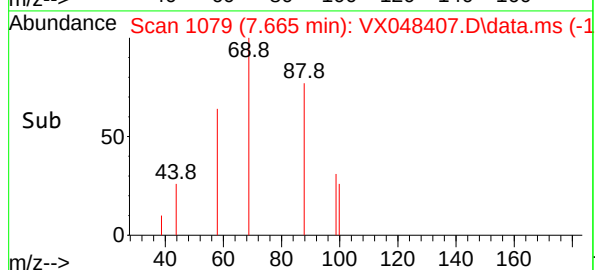
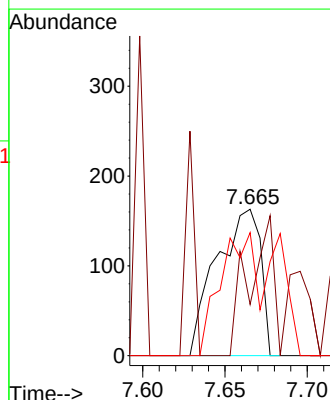
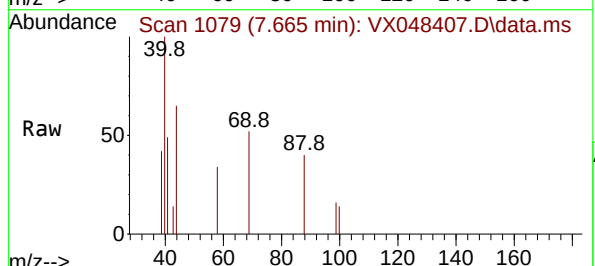
RT: 7.665 min Scan# 1079

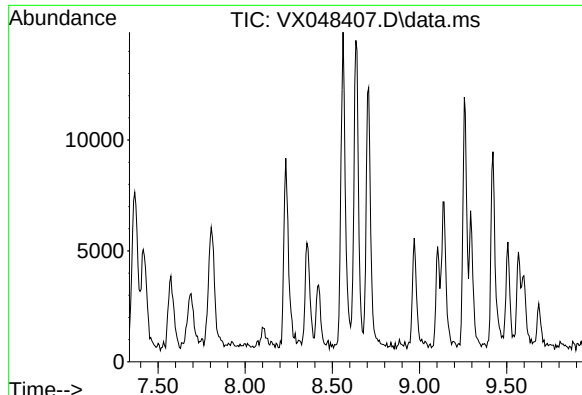
Delta R.T. 0.024 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

|             |             |
|-------------|-------------|
| Tgt Ion: 88 | Resp: 305   |
| Ion Ratio   | Lower Upper |
| 88 100      |             |
| 43 0.0      | 35.0 52.4#  |
| 58 67.9     | 61.9 92.9   |





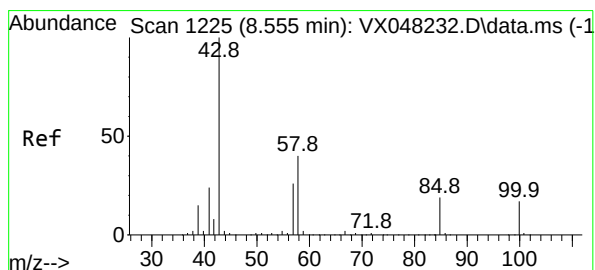
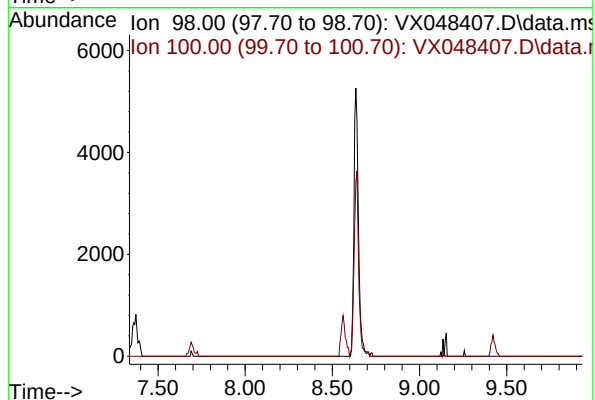
#50  
Toluene-d8  
Concen: 0.000 ug/l  
Expected RT: 8.63 min  
  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion: 98  
Sig Exp Ratio  
98 100  
100 66.2

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

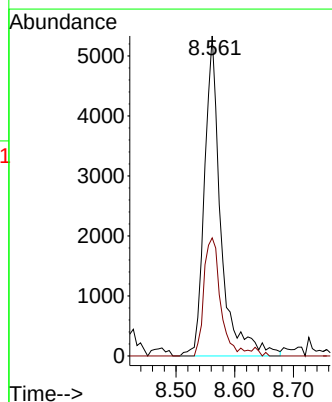
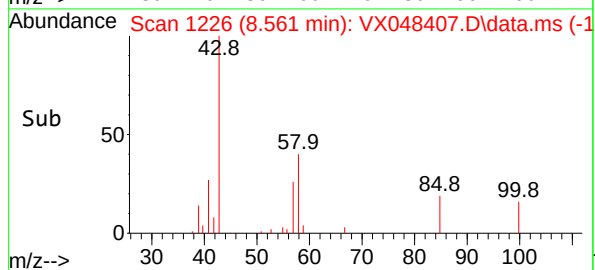
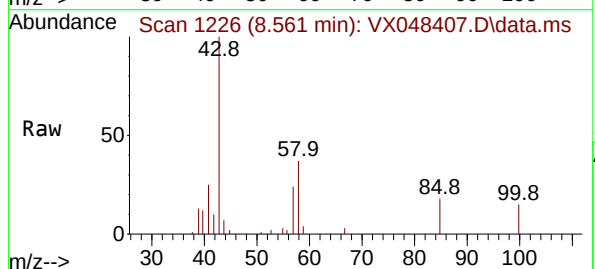
Manual Integrations  
APPROVED

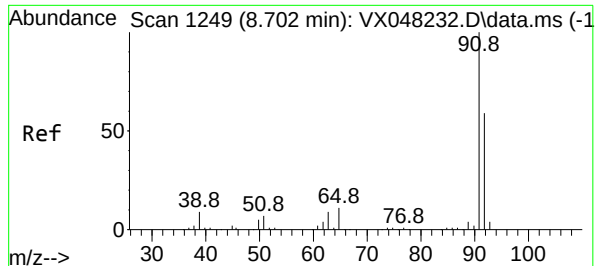
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#51  
4-Methyl-2-Pentanone  
Concen: 4.884 ug/l  
RT: 8.561 min Scan# 1226  
Delta R.T. 0.006 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion: 43 Resp: 10398  
Ion Ratio Lower Upper  
43 100  
58 37.7 29.5 44.3





#52

Toluene

Concen: 0.945 ug/l

RT: 8.702 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 4908

Ion Ratio Lower Upper

92 100

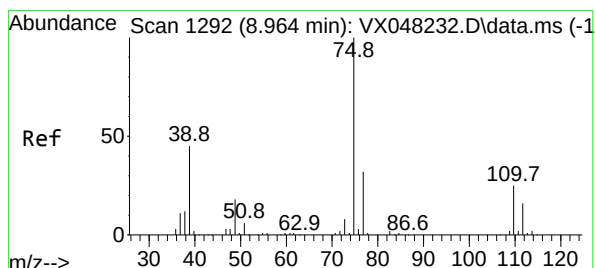
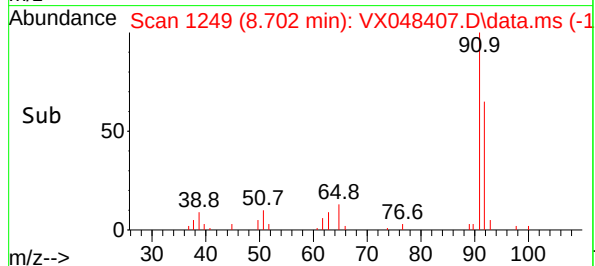
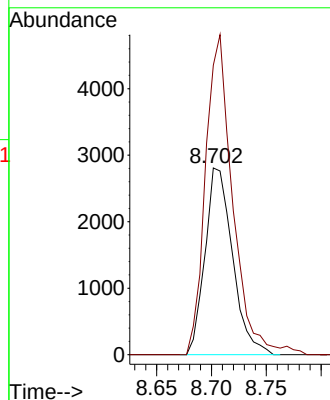
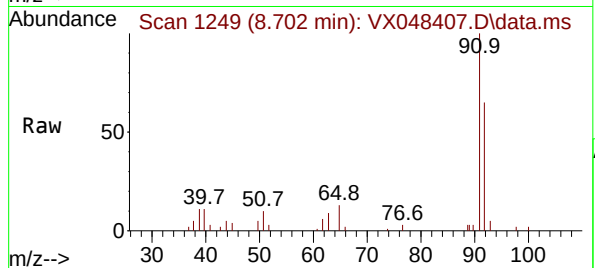
91 169.2 136.1 204.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#53

t-1,3-Dichloropropene

Concen: 0.940 ug/l

RT: 8.970 min Scan# 1293

Delta R.T. 0.006 min

Lab File: VX048407.D

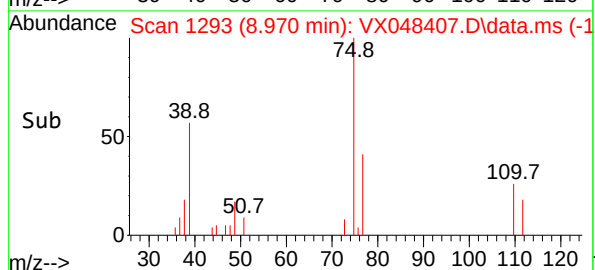
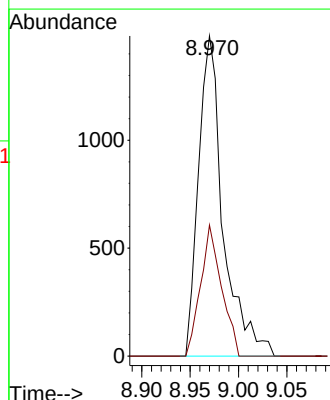
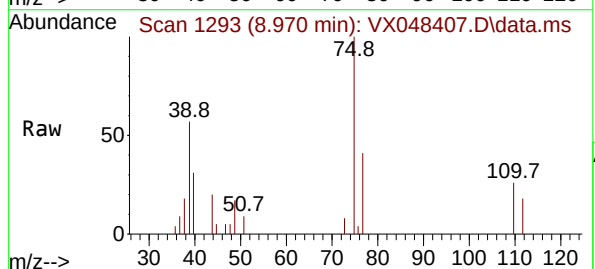
Acq: 29 Oct 2025 11:12

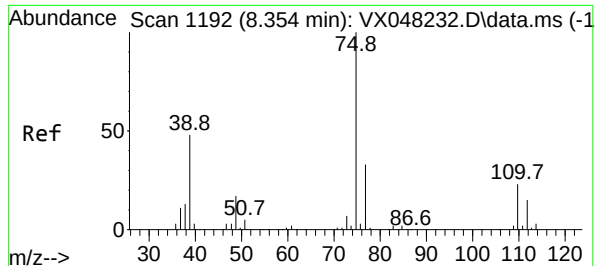
Tgt Ion: 75 Resp: 2630

Ion Ratio Lower Upper

75 100

77 40.9 25.0 37.6#





#54

cis-1,3-Dichloropropene

Concen: 1.035 ug/l

RT: 8.348 min Scan# 1192

Delta R.T. -0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 3118

Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3

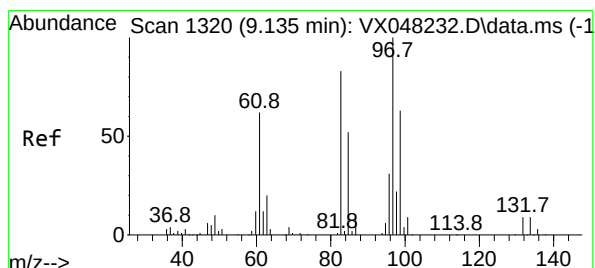
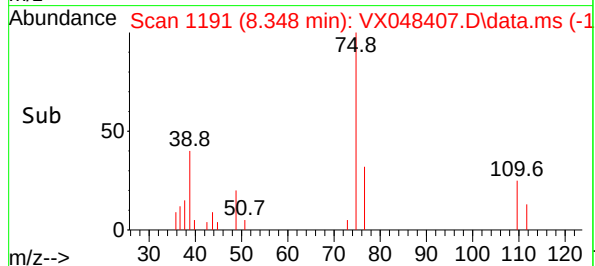
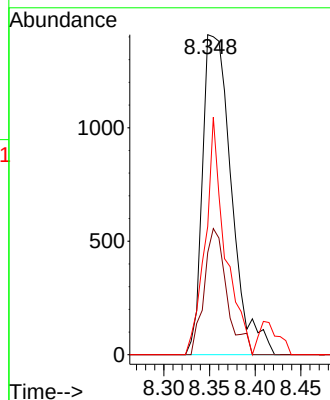
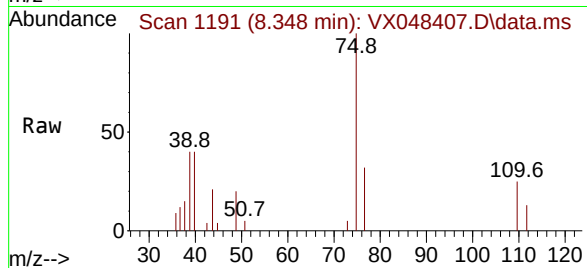
39 9.3 42.6 64.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#55

1,1,2-Trichloroethane

Concen: 0.994 ug/l

RT: 9.134 min Scan# 1320

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Tgt Ion: 97 Resp: 1867

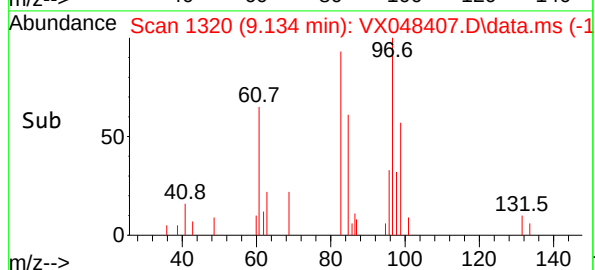
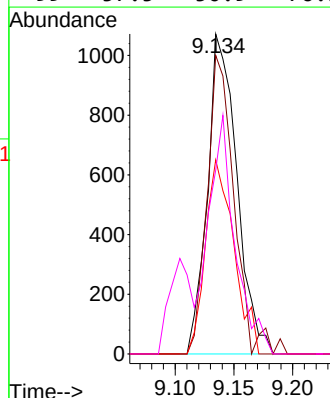
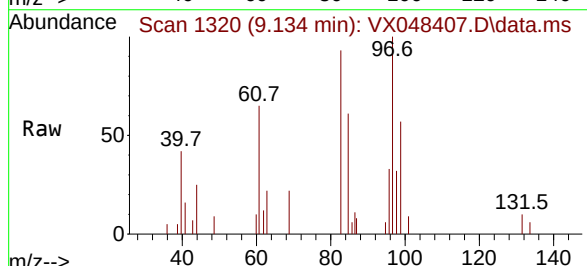
Ion Ratio Lower Upper

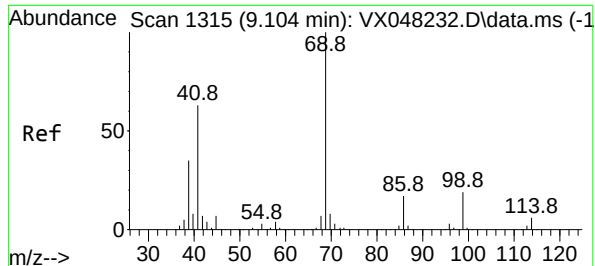
97 100

83 93.3 70.6 105.8

85 60.6 45.0 67.6

99 57.5 50.9 76.3





#56

Ethyl methacrylate

Concen: 0.902 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

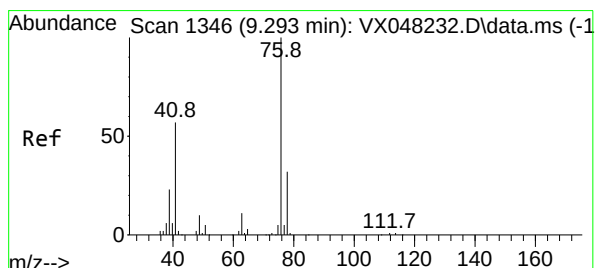
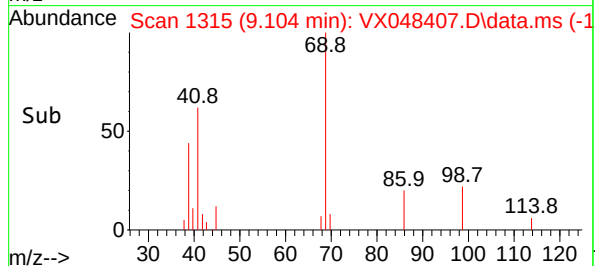
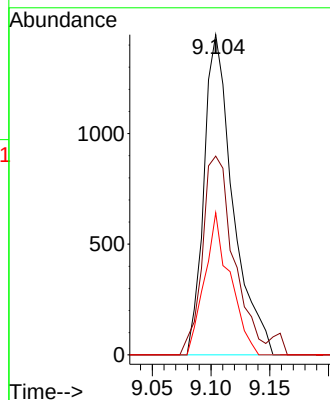
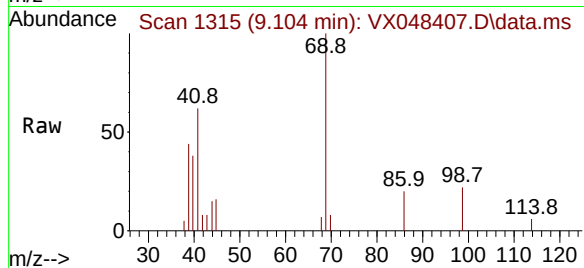
VSTDICC001

| Tgt Ion: | 69    | Resp: | 2480  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 67.6  | 56.0  | 84.0  |
| 39       | 39.2  | 31.6  | 47.4  |

**Manual Integrations**  
**APPROVED**

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#57

1,3-Dichloropropane

Concen: 1.008 ug/l

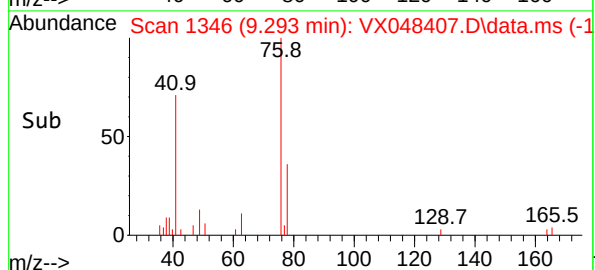
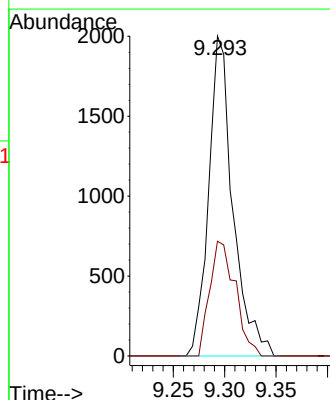
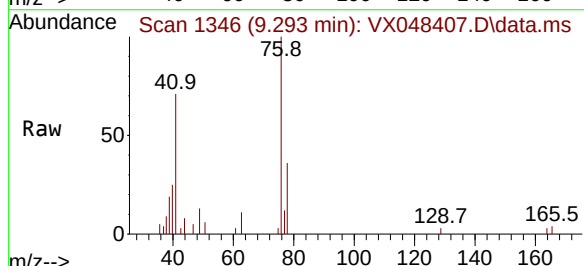
RT: 9.293 min Scan# 1346

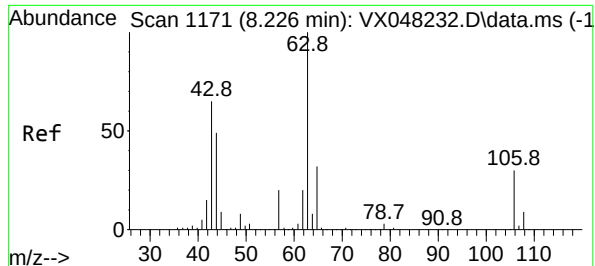
Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

| Tgt Ion: | 76    | Resp: | 3283  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 78       | 37.8  | 25.4  | 38.0  |





#58

2-Chloroethyl Vinyl ether

Concen: 11.715 ug/l

RT: 8.232 min Scan# 1171

Delta R.T. 0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 63 Resp: 4120

Ion Ratio Lower Upper

63 100

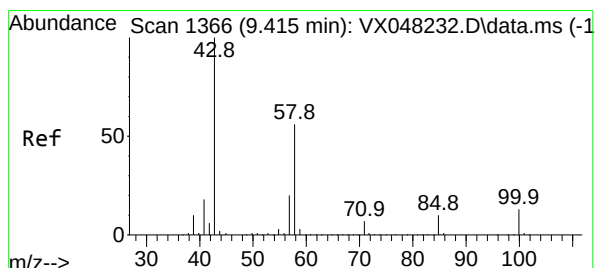
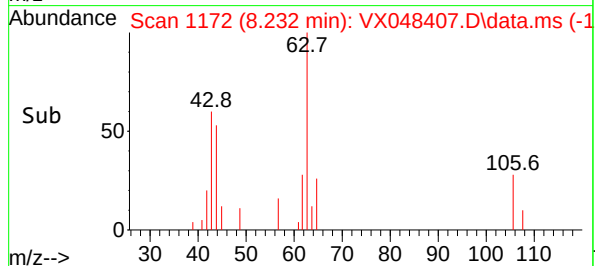
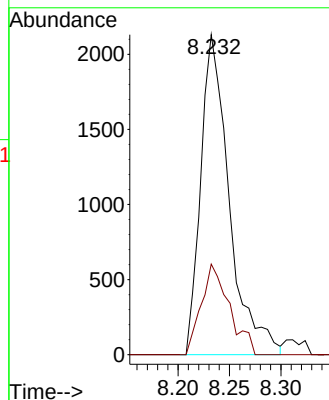
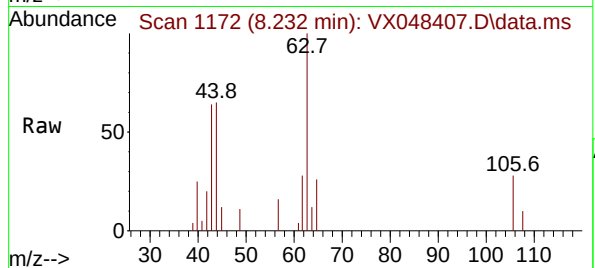
106 27.9 22.2 33.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#59

2-Hexanone

Concen: 4.492 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. 0.000 min

Lab File: VX048407.D

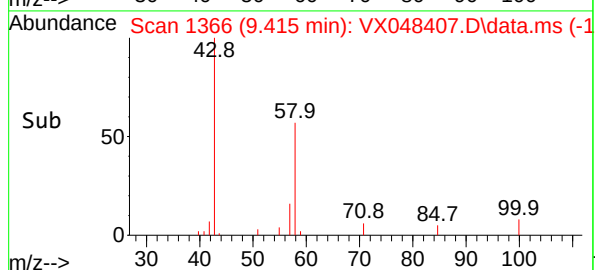
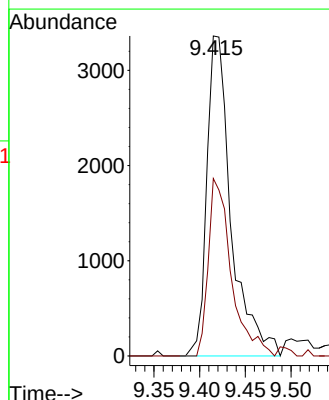
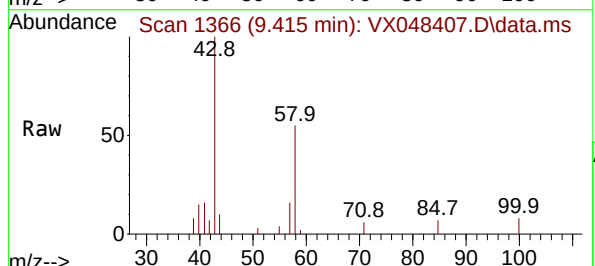
Acq: 29 Oct 2025 11:12

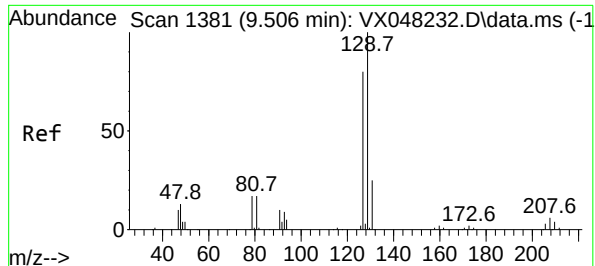
Tgt Ion: 43 Resp: 6222

Ion Ratio Lower Upper

43 100

58 52.2 26.3 78.8





#60

Dibromochloromethane

Concen: 0.991 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion:129 Resp: 230

Ion Ratio Lower Upper

129 100

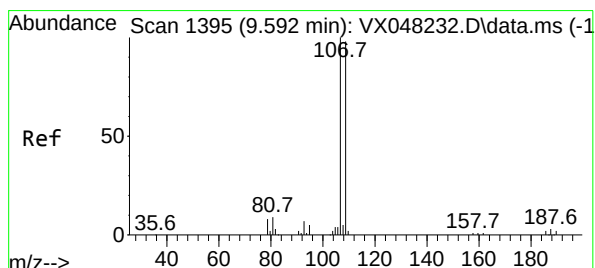
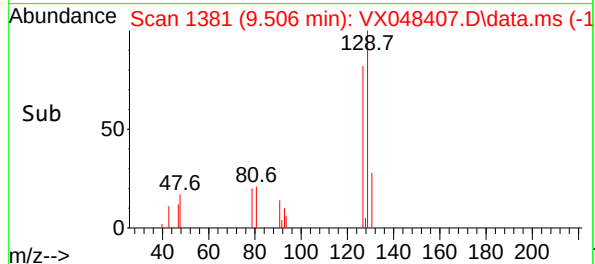
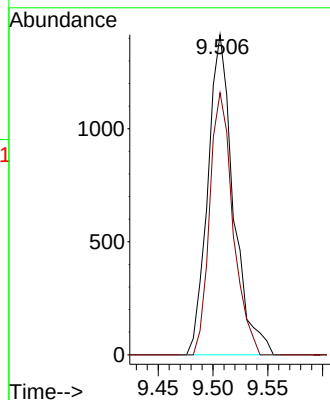
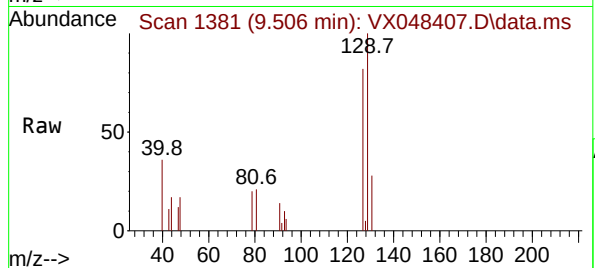
127 74.3 38.6 115.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#61

1,2-Dibromoethane

Concen: 0.994 ug/l

RT: 9.598 min Scan# 1396

Delta R.T. 0.006 min

Lab File: VX048407.D

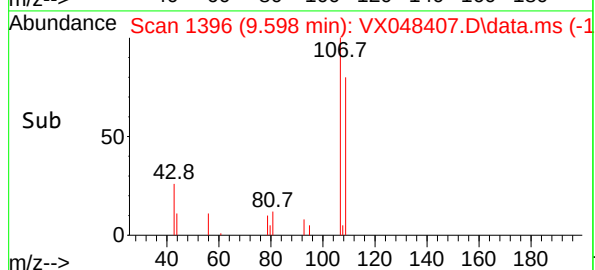
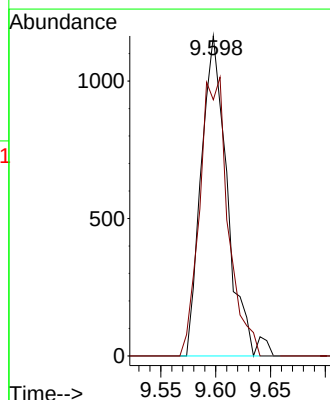
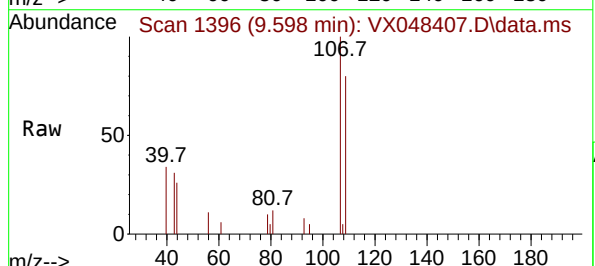
Acq: 29 Oct 2025 11:12

Tgt Ion:107 Resp: 1932

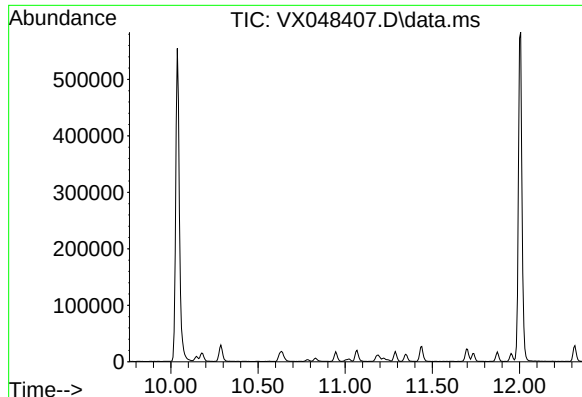
Ion Ratio Lower Upper

107 100

109 94.8 77.0 115.4







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

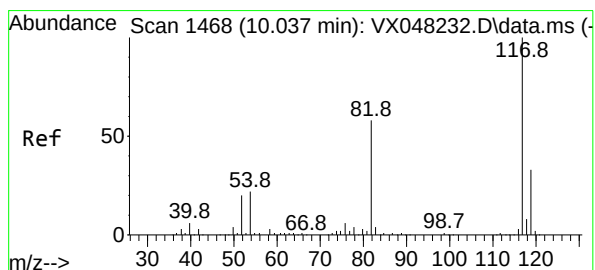
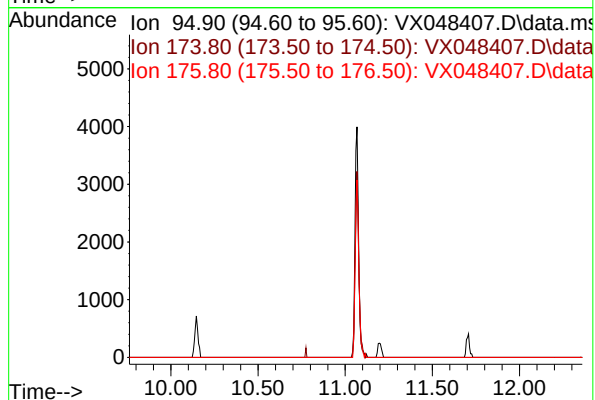
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion: 95  
Sig Exp Ratio  
95 100  
174 73.9  
176 71.4

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

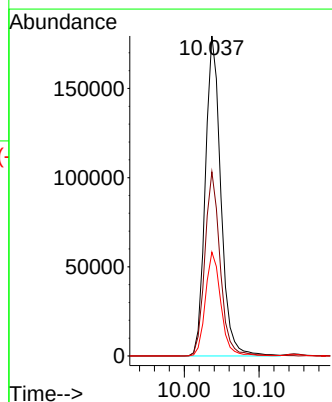
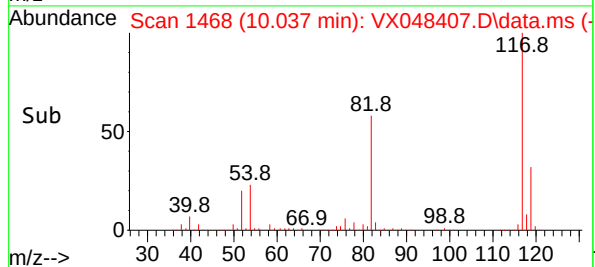
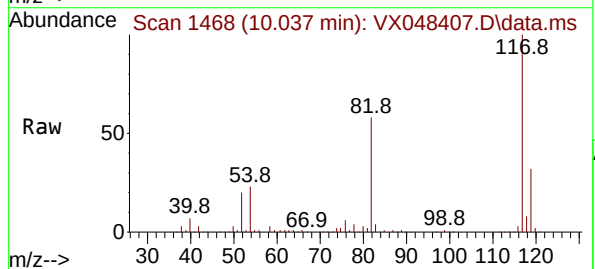
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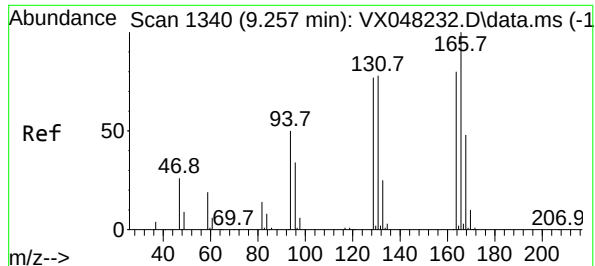
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

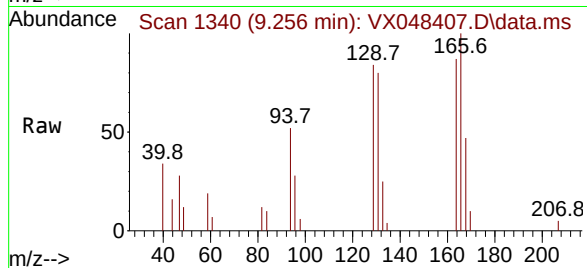
Tgt Ion:117 Resp: 259052  
Ion Ratio Lower Upper  
117 100  
82 57.6 46.5 69.7  
119 32.5 25.9 38.9





#64  
Tetrachloroethene  
Concen: 1.076 ug/l  
RT: 9.256 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

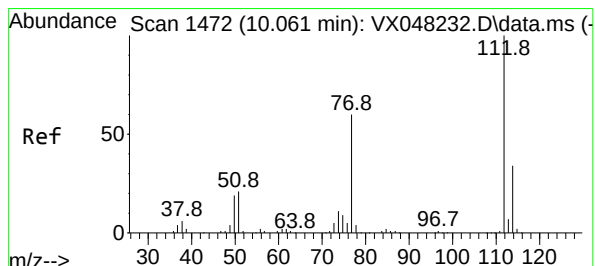
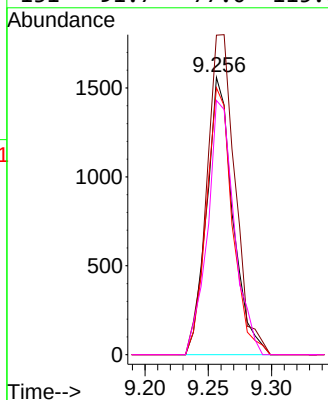
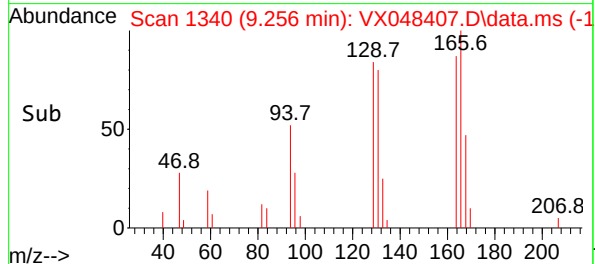
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



Tgt Ion:164 Resp: 224  
Ion Ratio Lower Upper  
164 100  
166 115.2 104.5 156.7  
129 96.2 81.8 122.6  
131 91.7 77.0 115.6

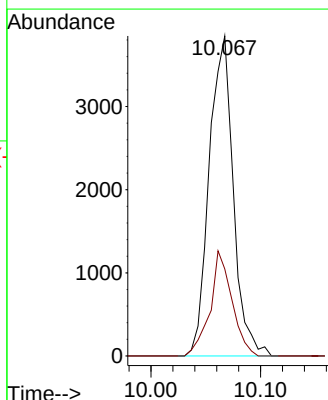
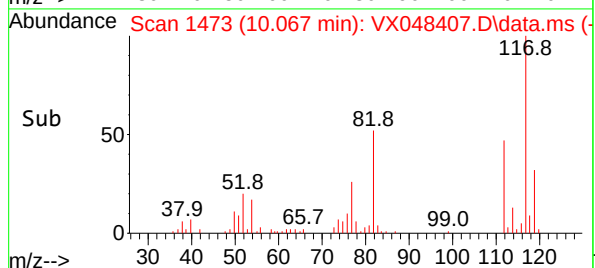
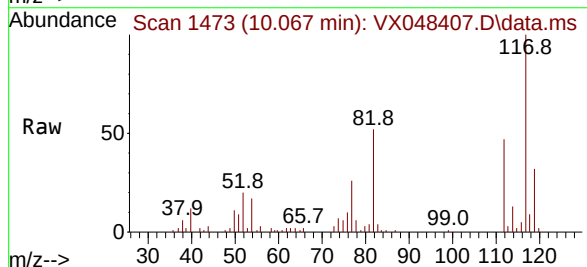
Manual Integrations  
APPROVED

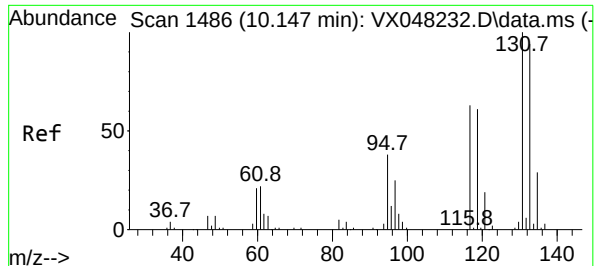
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#65  
Chlorobenzene  
Concen: 0.986 ug/l  
RT: 10.067 min Scan# 1473  
Delta R.T. 0.006 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion:112 Resp: 5883  
Ion Ratio Lower Upper  
112 100  
114 27.2 26.2 39.2





#66

1,1,1,2-Tetrachloroethane

Concen: 0.919 ug/l

RT: 10.153 min Scan# 1487

Delta R.T. 0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:131 Resp: 1860

Ion Ratio Lower Upper

131 100

133 105.6 47.6 142.8

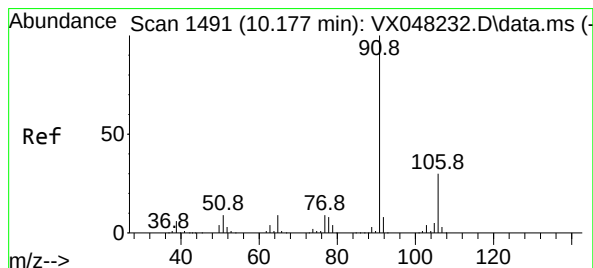
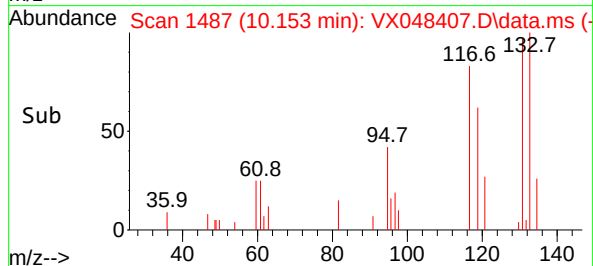
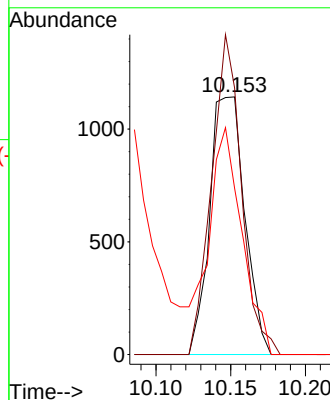
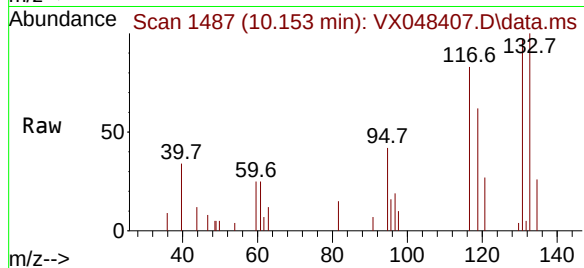
119 0.0 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#67

Ethyl Benzene

Concen: 0.941 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VX048407.D

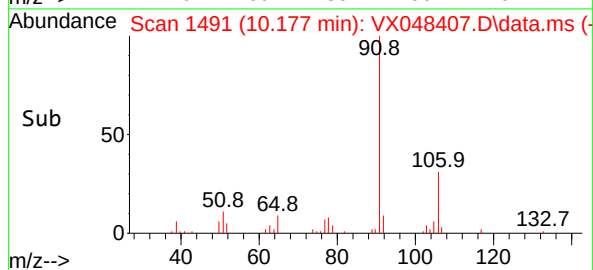
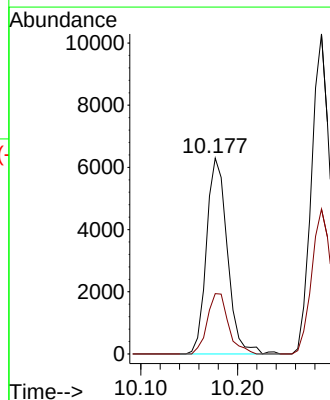
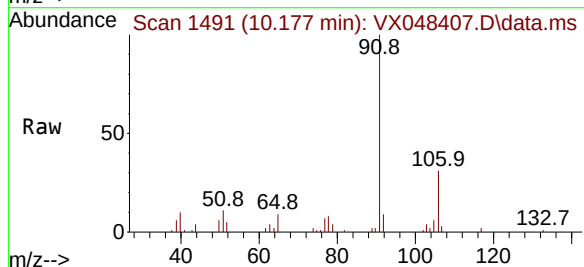
Acq: 29 Oct 2025 11:12

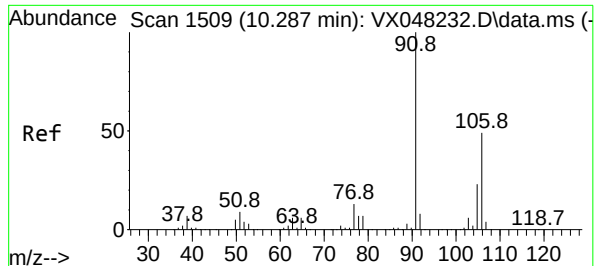
Tgt Ion: 91 Resp: 9455

Ion Ratio Lower Upper

91 100

106 33.6 23.8 35.6





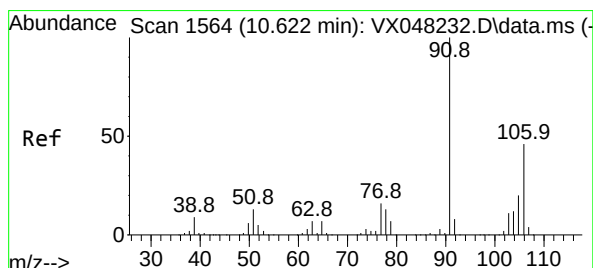
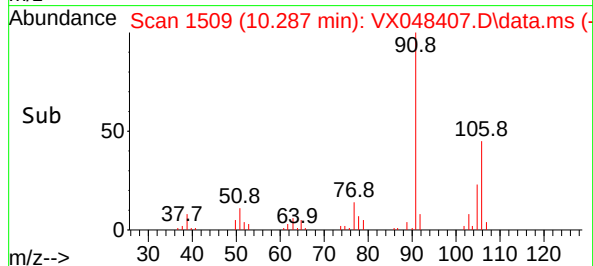
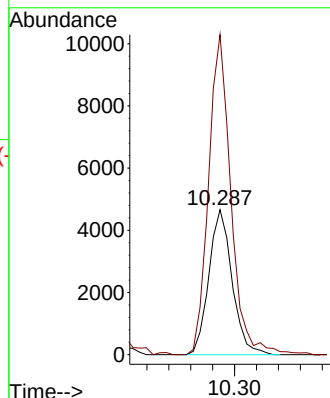
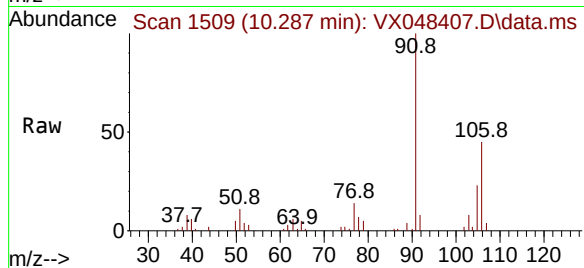
#68  
m/p-Xylenes  
Concen: 1.805 ug/l  
RT: 10.287 min Scan# 1509  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion:106 Resp: 6869  
Ion Ratio Lower Upper  
106 100  
91 212.4 167.9 251.9

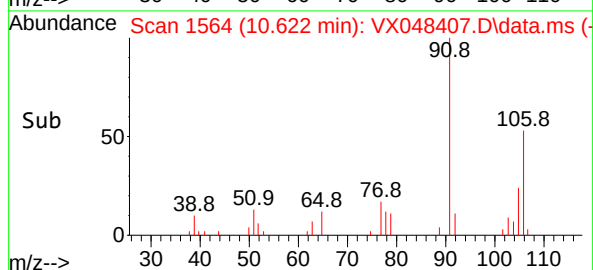
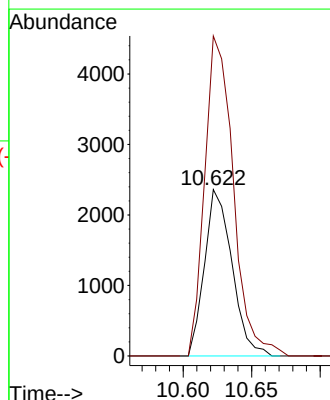
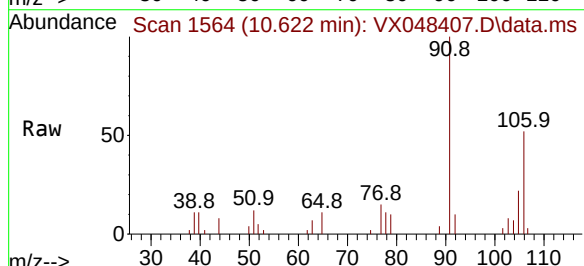
Manual Integrations  
APPROVED

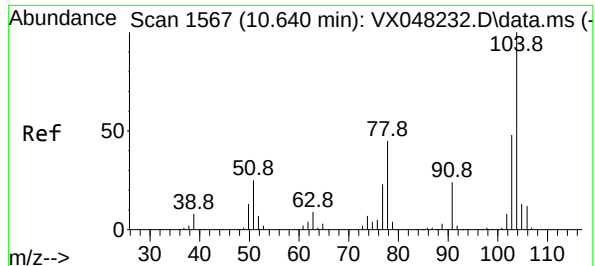
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#69  
o-Xylene  
Concen: 0.906 ug/l  
RT: 10.622 min Scan# 1564  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion:106 Resp: 3294  
Ion Ratio Lower Upper  
106 100  
91 200.2 111.3 333.9





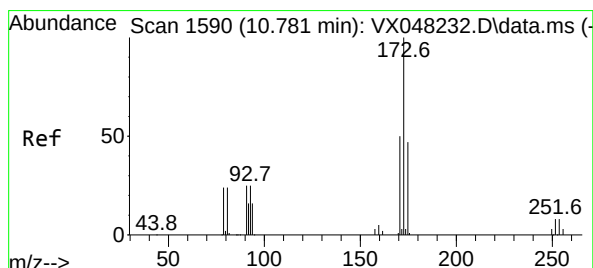
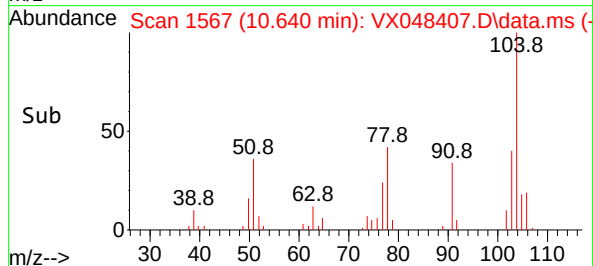
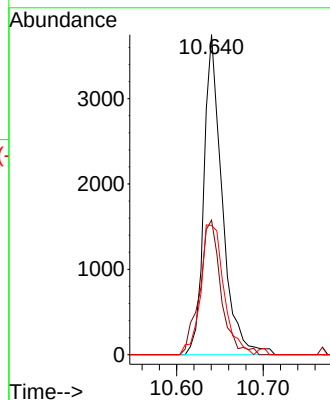
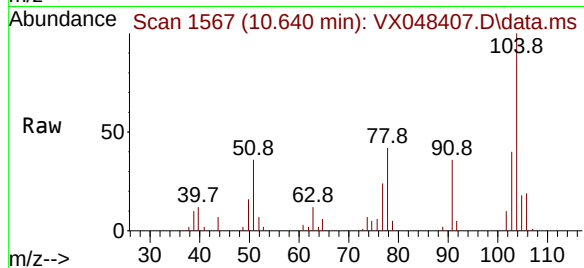
#70  
Styrene  
Concen: 0.891 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion:104 Resp: 548  
Ion Ratio Lower Upper  
104 100  
78 49.4 42.2 63.4  
103 51.7 43.0 64.4

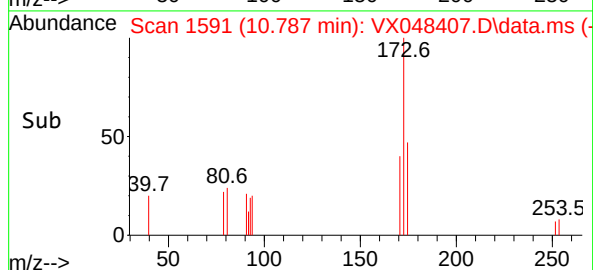
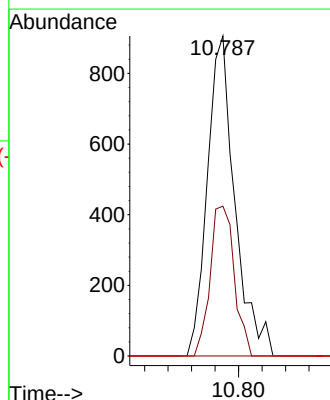
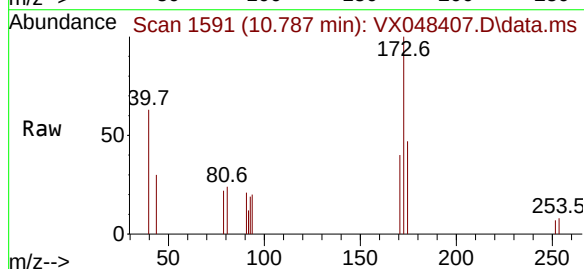
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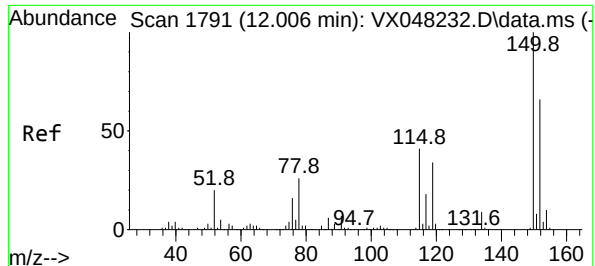
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#71  
Bromoform  
Concen: 1.002 ug/l  
RT: 10.787 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion:173 Resp: 1471  
Ion Ratio Lower Upper  
173 100  
175 41.2 24.0 72.0  
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:152 Resp: 12900

Ion Ratio Lower Upper

152 100

115 62.2 43.1 129.4

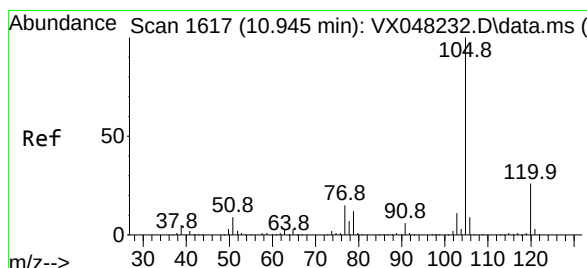
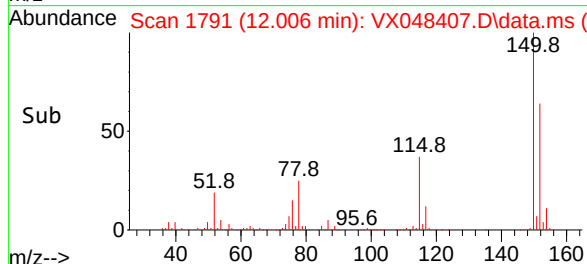
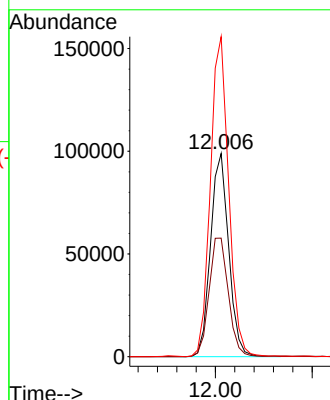
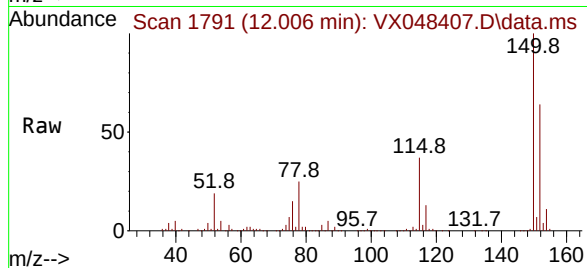
150 158.7 0.0 353.0

Manual Integrations

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Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#73

Isopropylbenzene

Concen: 0.912 ug/l

RT: 10.945 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VX048407.D

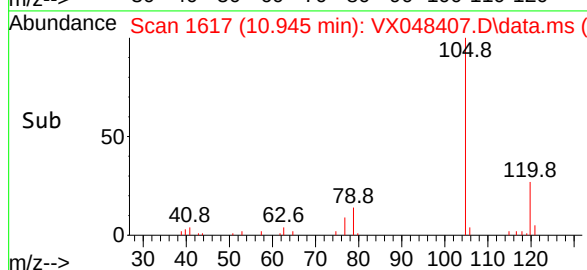
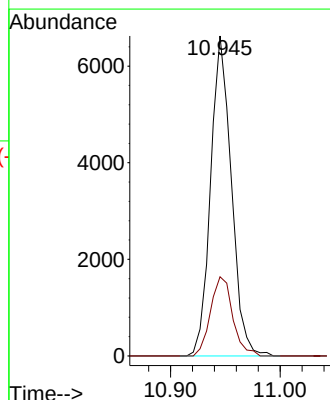
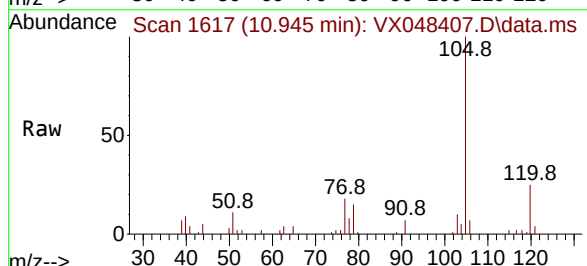
Acq: 29 Oct 2025 11:12

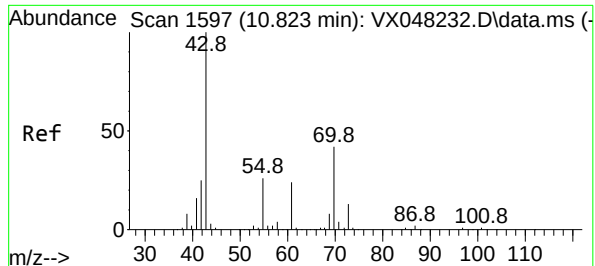
Tgt Ion:105 Resp: 8700

Ion Ratio Lower Upper

105 100

120 26.4 13.0 38.9





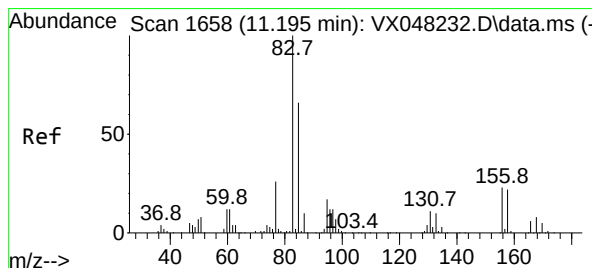
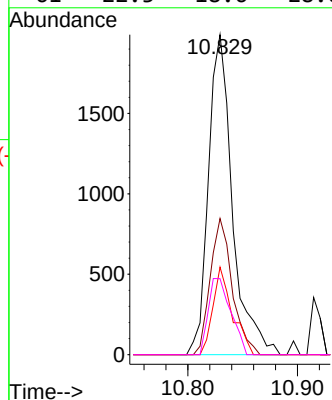
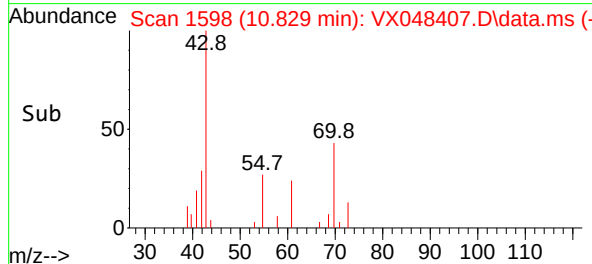
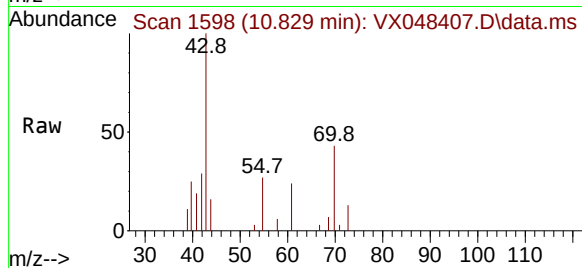
#74  
N-amy1 acetate  
Concen: 0.891 ug/l  
RT: 10.829 min Scan# 1597  
Delta R.T. 0.006 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

| Tgt Ion: | 43    | Resp: | 303   |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 38.9  | 32.2  | 48.2  |
| 55       | 22.0  | 19.1  | 28.7  |
| 61       | 22.3  | 18.6  | 28.0  |

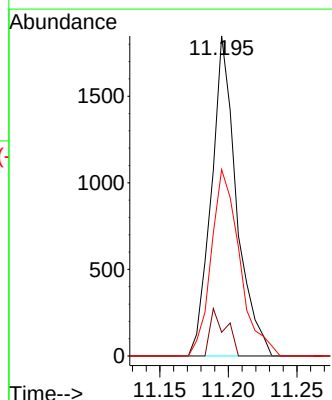
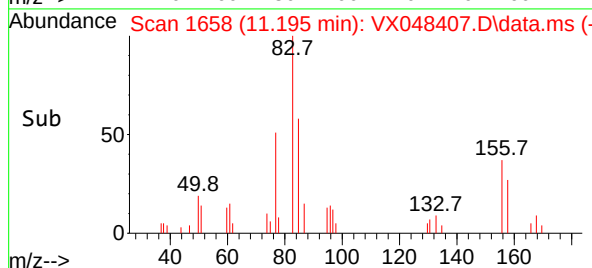
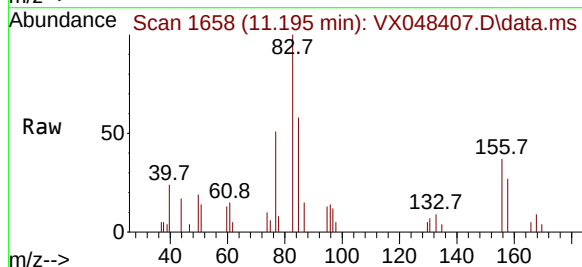
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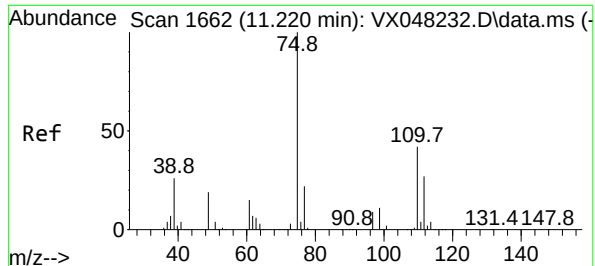
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.976 ug/l  
RT: 11.195 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

| Tgt Ion: | 83    | Resp: | 2360  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 9.3   | 4.8   | 14.4  |
| 85       | 66.0  | 31.9  | 95.7  |





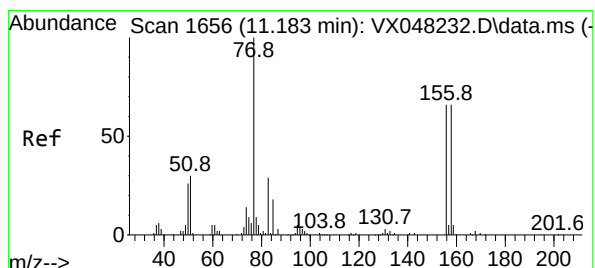
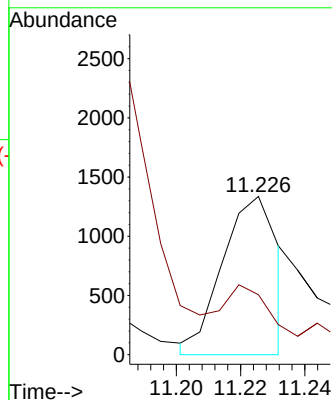
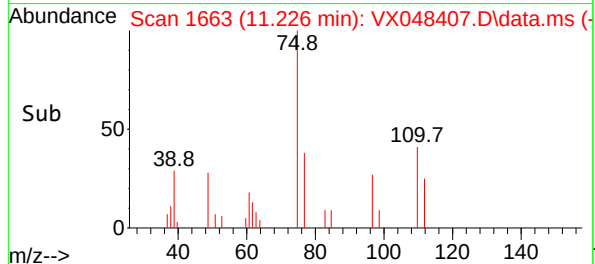
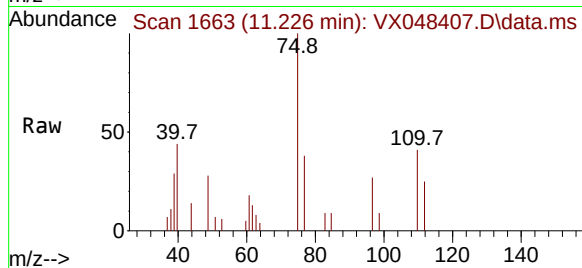
#76  
1,2,3-Trichloropropane  
Concen: 0.791 ug/l m  
RT: 11.226 min Scan# 1663  
Delta R.T. 0.006 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion: 75 Resp: 1592  
Ion Ratio Lower Upper  
75 100  
77 58.1 22.4 67.2

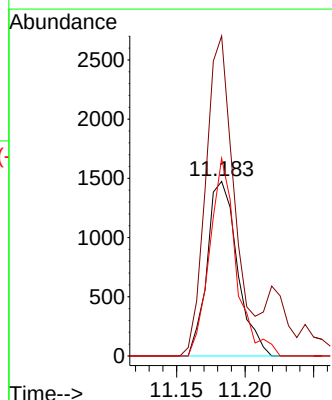
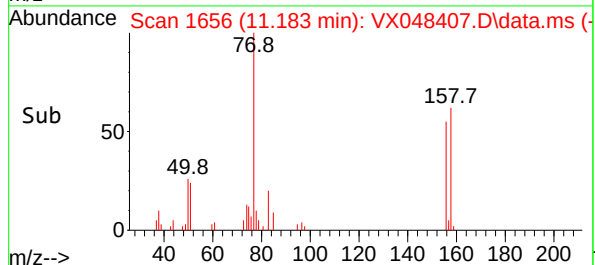
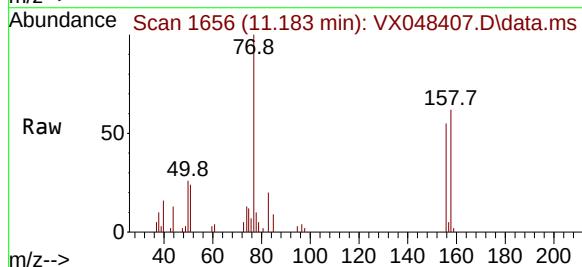
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Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

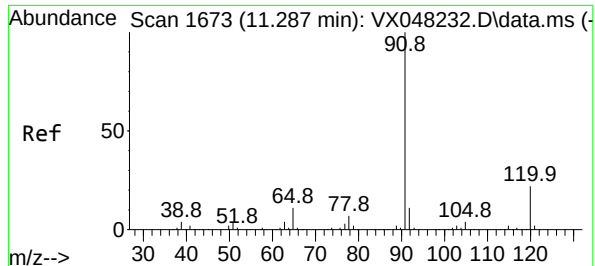


#77  
Bromobenzene  
Concen: 0.960 ug/l  
RT: 11.183 min Scan# 1656  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion:156 Resp: 2263  
Ion Ratio Lower Upper  
156 100  
77 171.3 87.0 261.0  
158 99.2 47.8 143.4







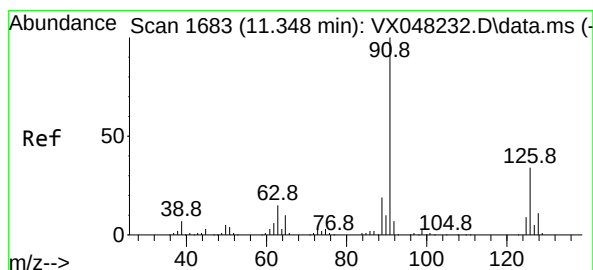
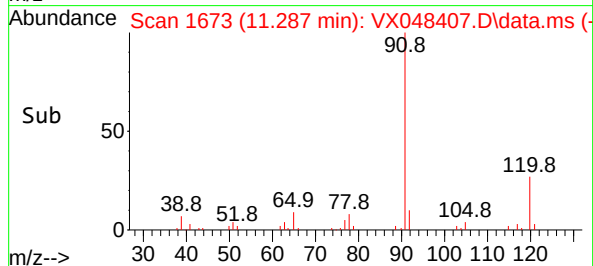
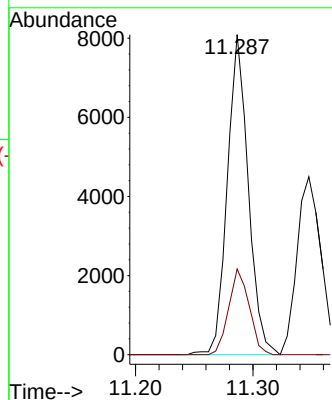
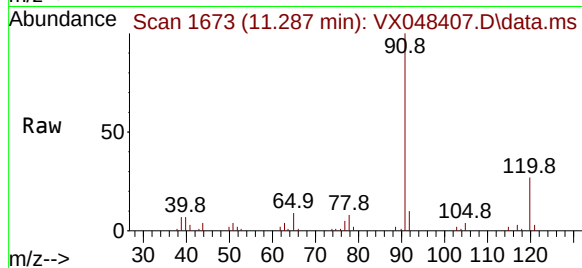
#78  
n-propylbenzene  
Concen: 0.886 ug/l  
RT: 11.287 min Scan# 1673  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion: 91 Resp: 998  
Ion Ratio Lower Upper  
91 100  
120 26.2 11.1 33.1

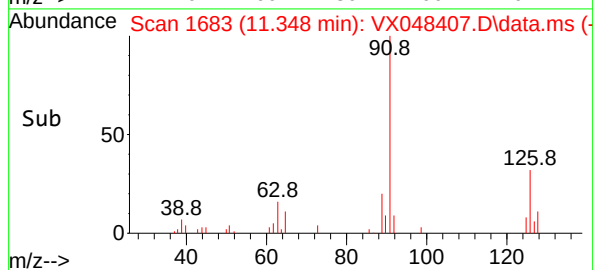
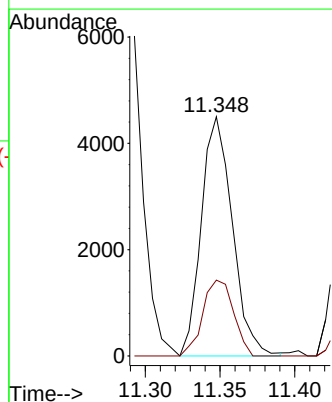
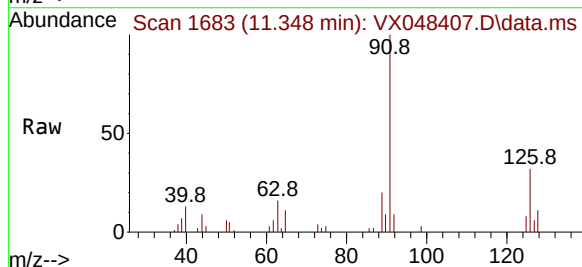
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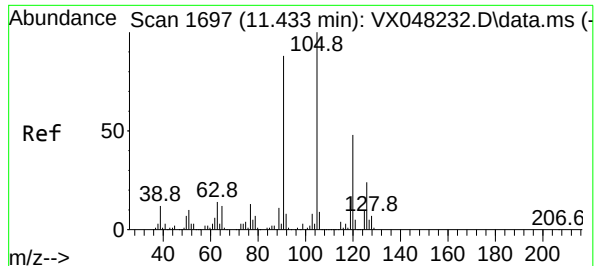
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#79  
2-Chlorotoluene  
Concen: 0.962 ug/l  
RT: 11.348 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion: 91 Resp: 6513  
Ion Ratio Lower Upper  
91 100  
126 31.3 16.4 49.4





#80

1,3,5-Trimethylbenzene

Concen: 0.871 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 681

Ion Ratio Lower Upper

105 100

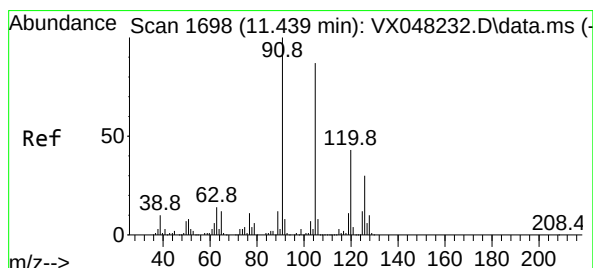
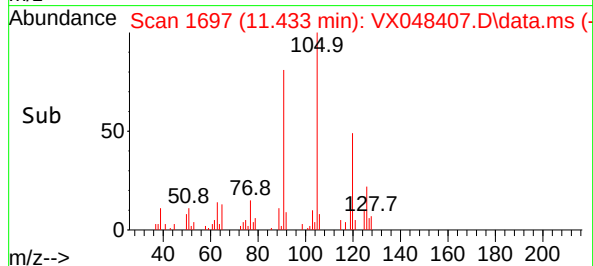
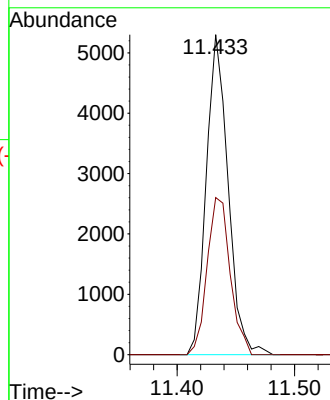
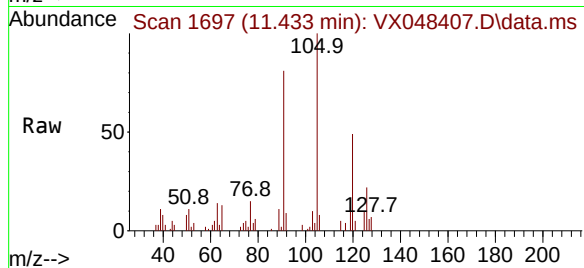
120 52.0 24.0 72.0

Manual Integrations

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Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#82

4-Chlorotoluene

Concen: 0.934 ug/l

RT: 11.439 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VX048407.D

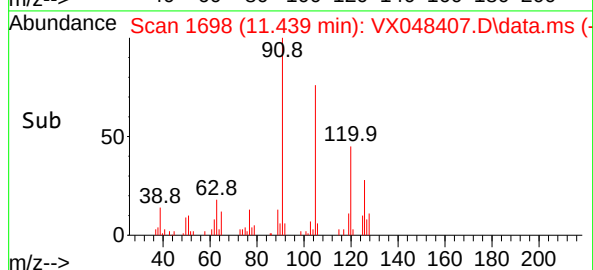
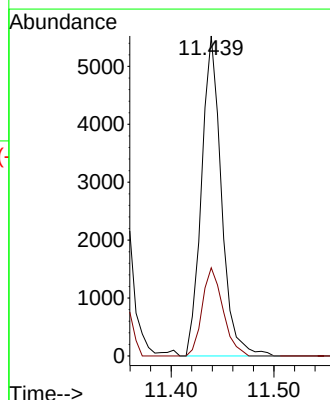
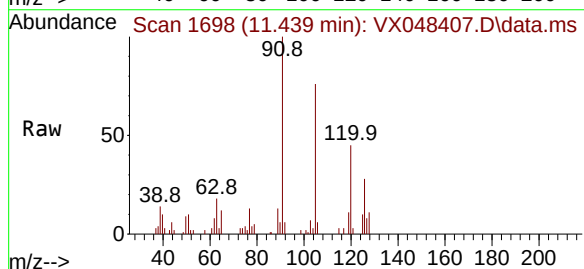
Acq: 29 Oct 2025 11:12

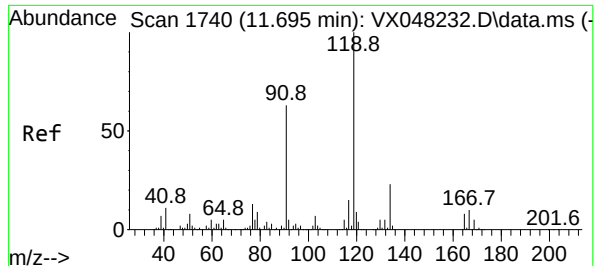
Tgt Ion: 91 Resp: 7437

Ion Ratio Lower Upper

91 100

126 28.7 14.1 42.4





#83

tert-Butylbenzene

Concen: 0.907 ug/l

RT: 11.695 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

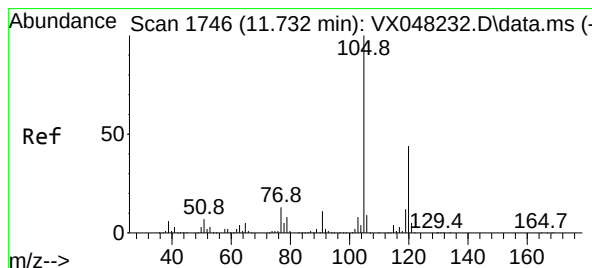
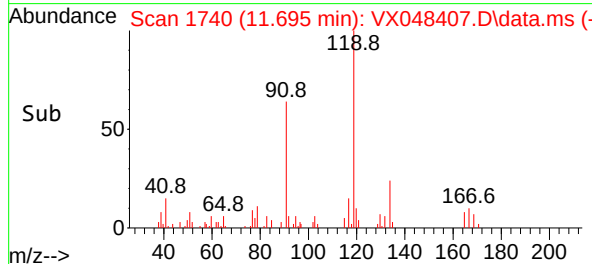
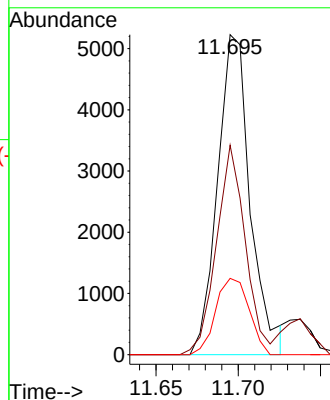
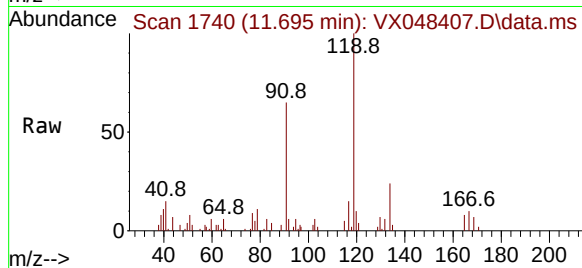
VSTDIC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 7219  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 58.1  | 30.3  | 91.0  |
| 134      | 24.4  | 11.4  | 34.2  |

Manual Integrations  
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Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#84

1,2,4-Trimethylbenzene

Concen: 0.860 ug/l

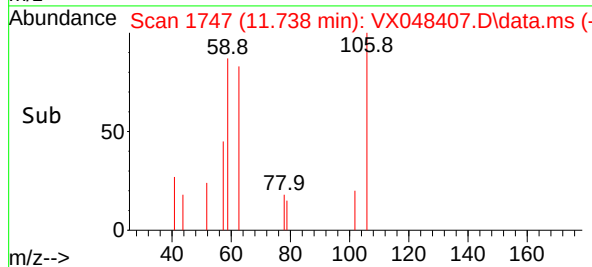
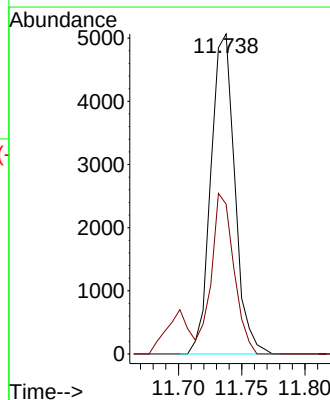
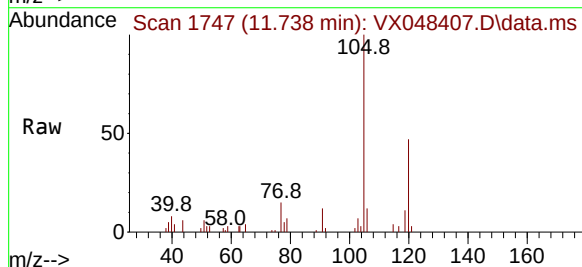
RT: 11.738 min Scan# 1747

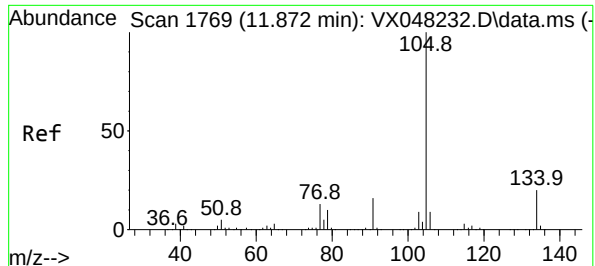
Delta R.T. 0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

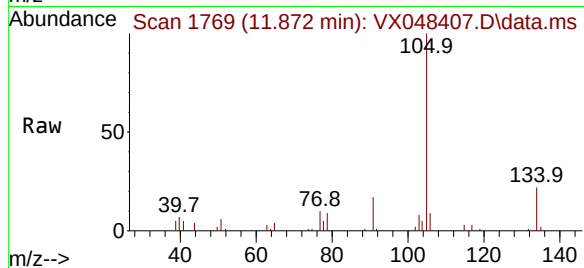
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 6657  |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 47.0  | 22.1  | 66.5  |





#85  
sec-Butylbenzene  
Concen: 0.879 ug/l  
RT: 11.872 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

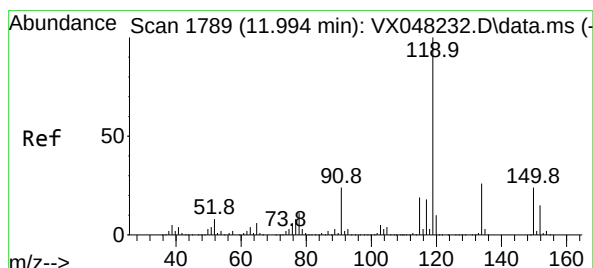
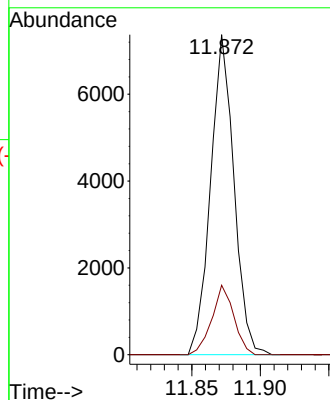
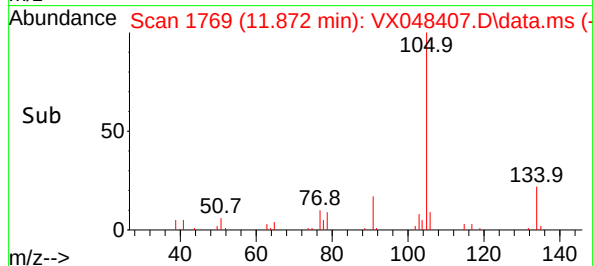
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



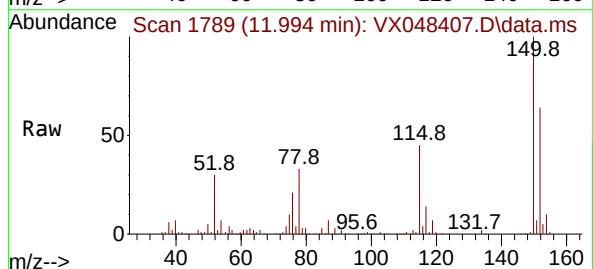
Tgt Ion:105 Resp: 8718  
Ion Ratio Lower Upper  
105 100  
134 20.5 10.1 30.1

Manual Integrations  
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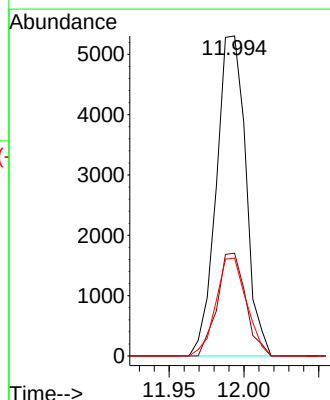
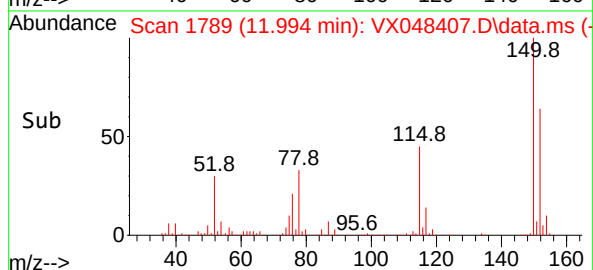
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

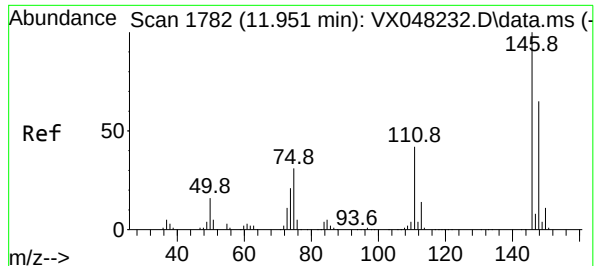


#86  
p-Isopropyltoluene  
Concen: 0.866 ug/l  
RT: 11.994 min Scan# 1789  
Delta R.T. 0.006 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12



Tgt Ion:119 Resp: 7263  
Ion Ratio Lower Upper  
119 100  
134 31.0 13.0 39.0  
91 31.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 1.095 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:146 Resp: 493

Ion Ratio Lower Upper

146 100

111 35.2 20.4 61.2

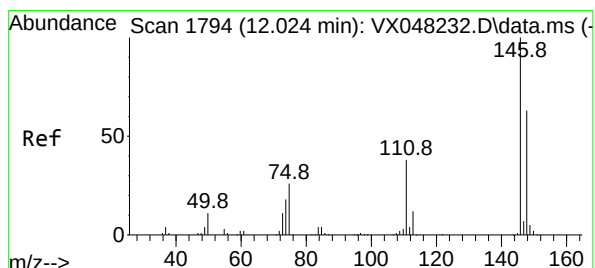
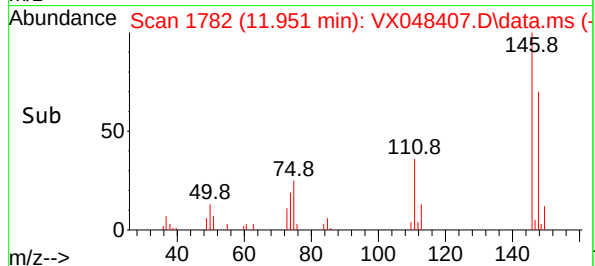
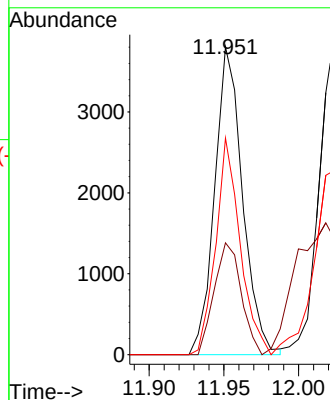
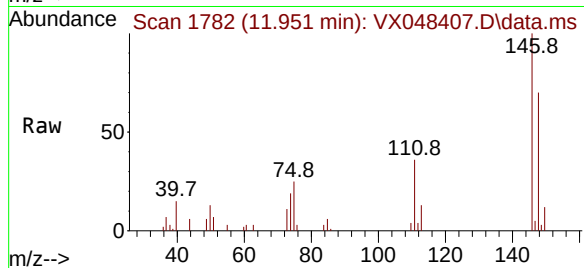
148 61.8 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#88

1,4-Dichlorobenzene

Concen: 1.096 ug/l m

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

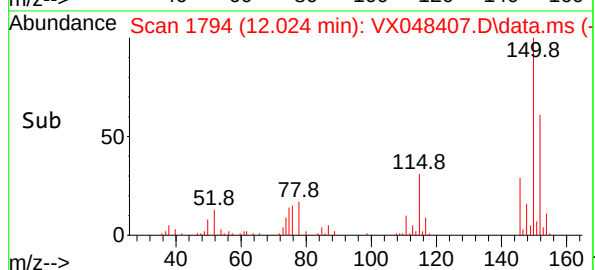
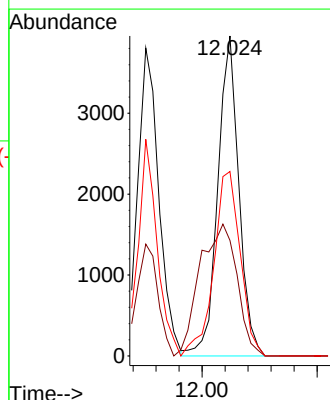
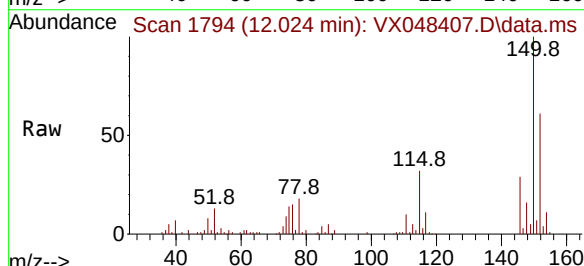
Tgt Ion:146 Resp: 5027

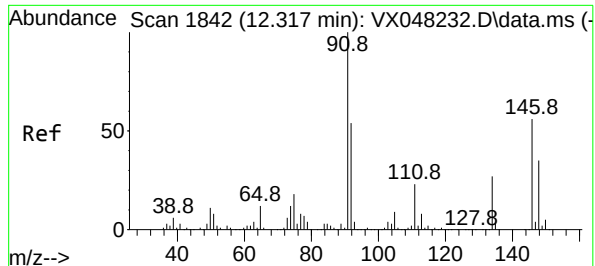
Ion Ratio Lower Upper

146 100

111 34.5 20.1 60.2

148 60.6 31.8 95.3





#89

n-Butylbenzene

Concen: 0.948 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 746

Ion Ratio Lower Upper

91 100

92 53.6 26.9 80.6

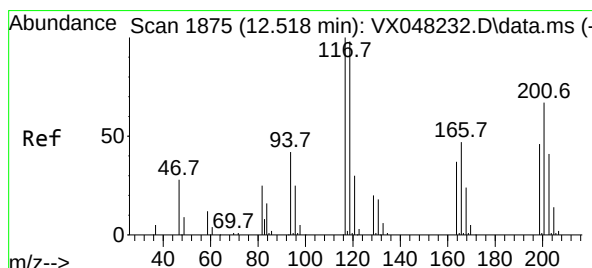
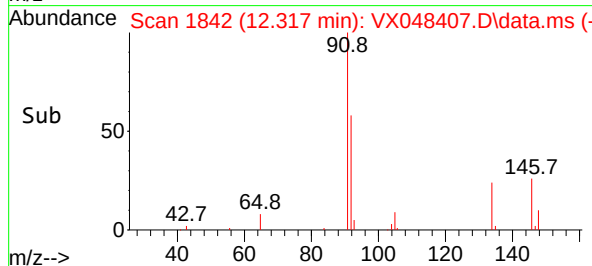
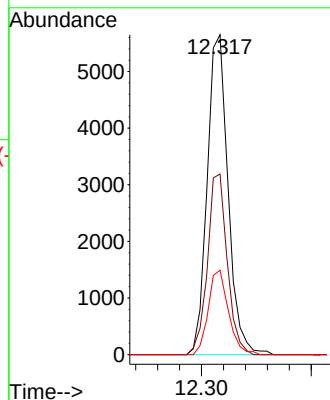
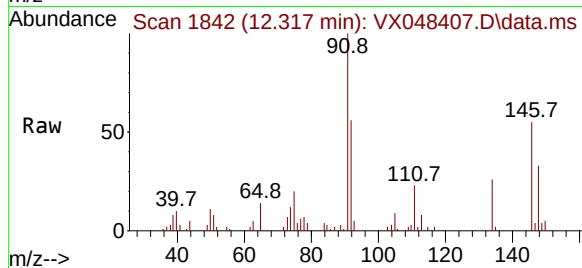
134 25.6 12.7 38.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#90

Hexachloroethane

Concen: 0.911 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VX048407.D

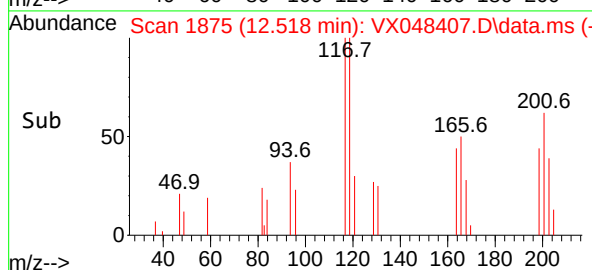
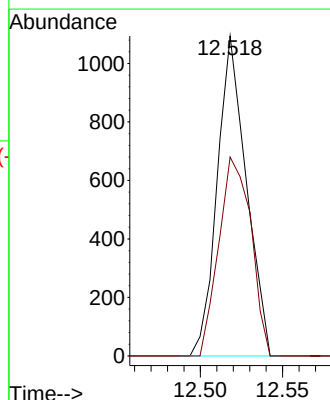
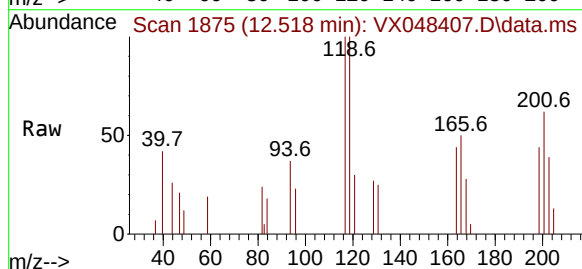
Acq: 29 Oct 2025 11:12

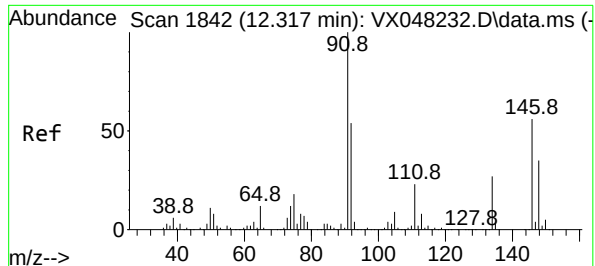
Tgt Ion:117 Resp: 1343

Ion Ratio Lower Upper

117 100

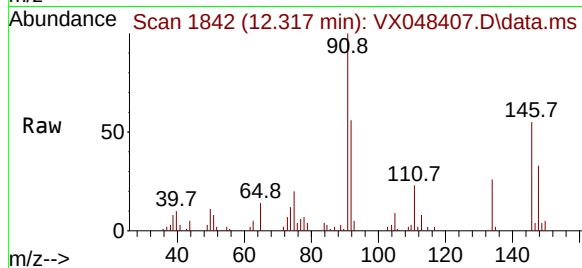
201 68.8 34.1 102.2





#91  
1,2-Dichlorobenzene  
Concen: 1.001 ug/l  
RT: 12.317 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

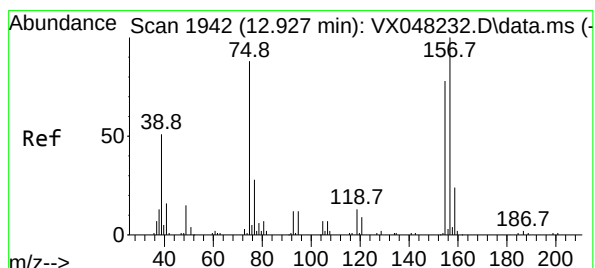
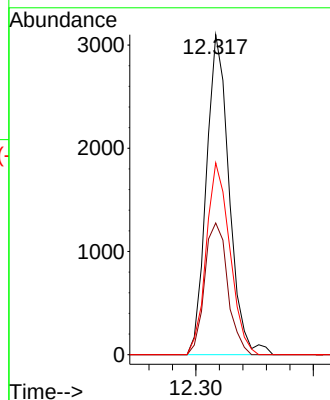
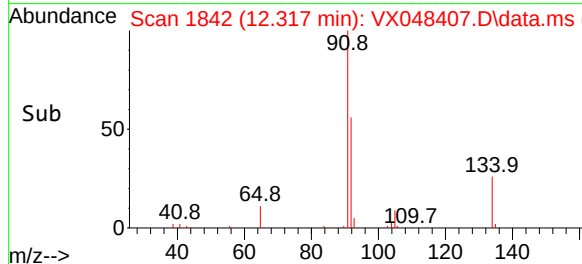
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



Tgt Ion:146 Resp: 417  
Ion Ratio Lower Upper  
146 100  
111 41.6 21.9 65.5  
148 62.1 31.9 95.5

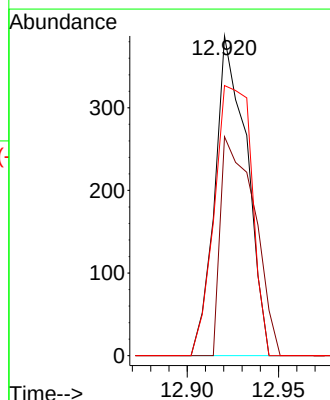
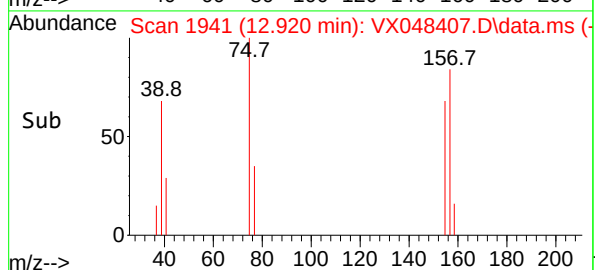
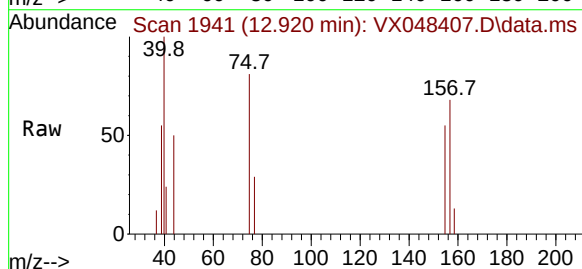
Manual Integrations  
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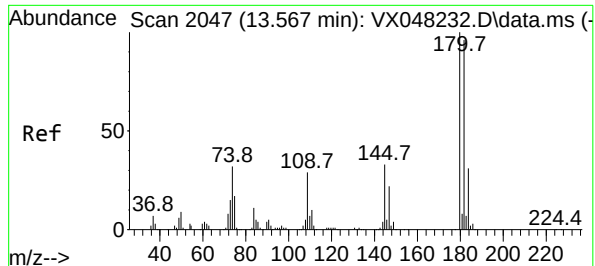
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.989 ug/l  
RT: 12.920 min Scan# 1941  
Delta R.T. 0.000 min  
Lab File: VX048407.D  
Acq: 29 Oct 2025 11:12

Tgt Ion: 75 Resp: 468  
Ion Ratio Lower Upper  
75 100  
155 73.1 42.8 128.4  
157 99.1 54.2 162.6





#93

1,2,4-Trichlorobenzene

Concen: 1.022 ug/l

RT: 13.573 min Scan# 2047

Delta R.T. 0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

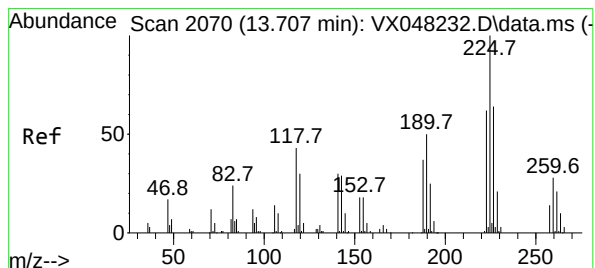
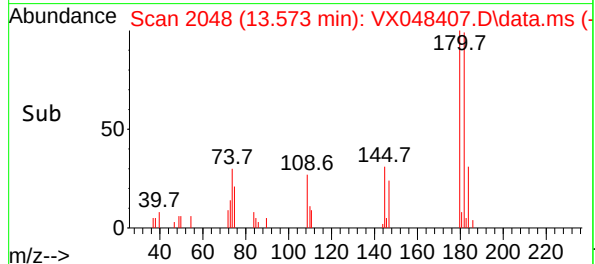
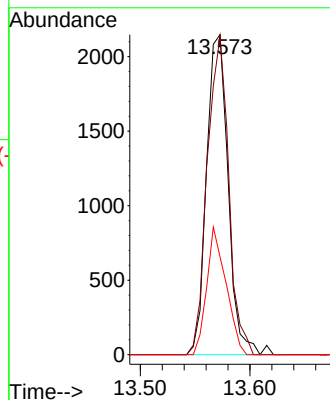
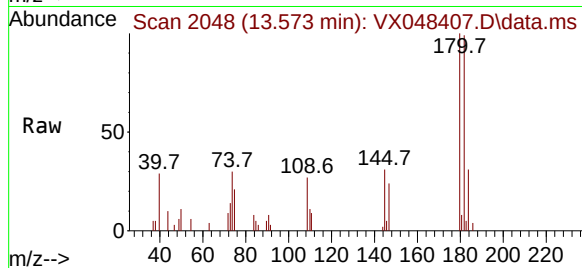
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 294        |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 98.7  | 47.3 142.0 |
| 145         | 35.6  | 16.3 48.9  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#94

Hexachlorobutadiene

Concen: 1.084 ug/l

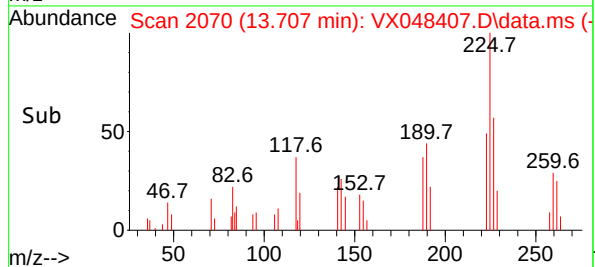
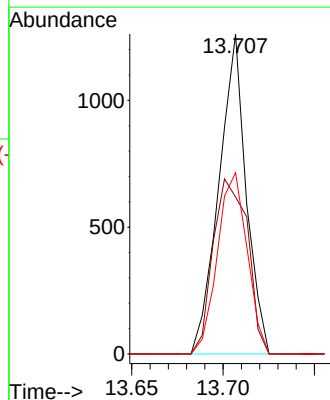
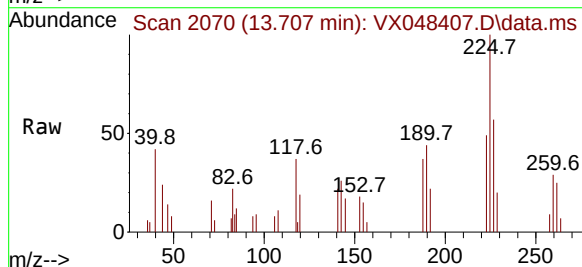
RT: 13.707 min Scan# 2070

Delta R.T. 0.000 min

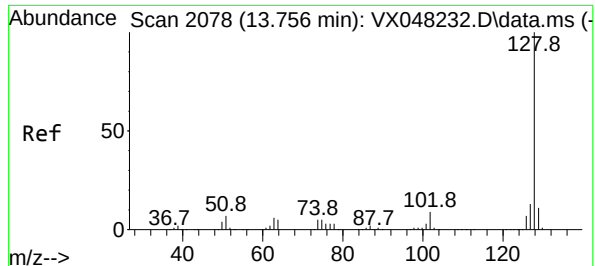
Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 1309      |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 68.9  | 32.6 97.7 |
| 227         | 61.7  | 32.5 97.4 |







#95

Naphthalene

Concen: 0.915 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. 0.000 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

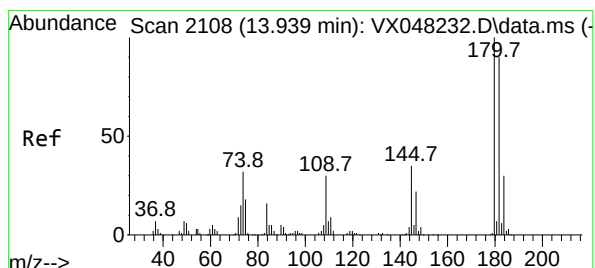
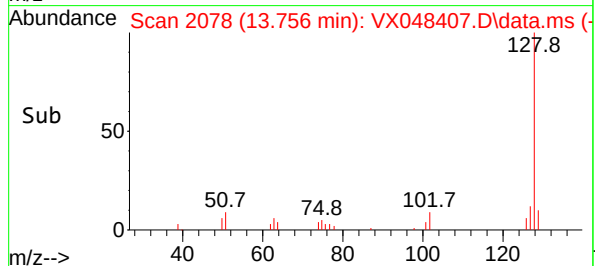
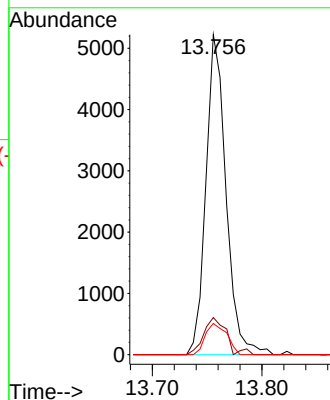
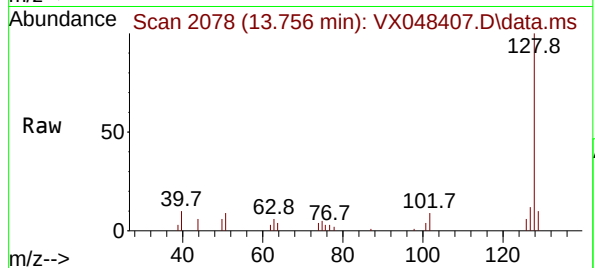
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 665   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.1  | 10.2  | 15.4  |
| 129      | 10.4  | 8.6   | 12.8  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#96

1,2,3-Trichlorobenzene

Concen: 0.968 ug/l

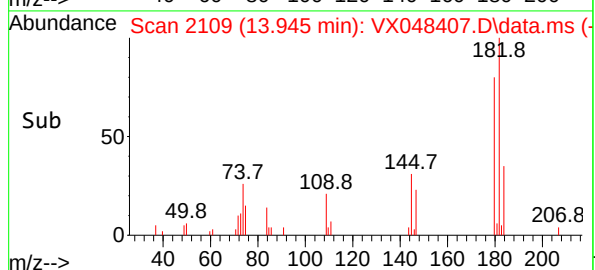
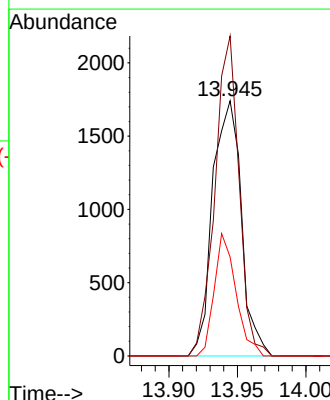
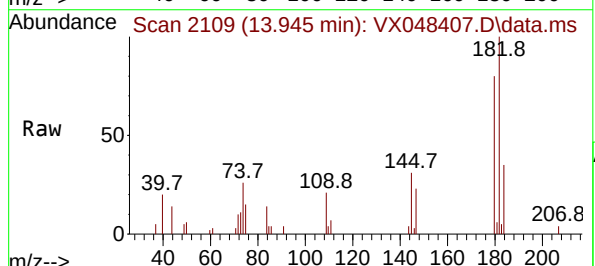
RT: 13.945 min Scan# 2109

Delta R.T. 0.006 min

Lab File: VX048407.D

Acq: 29 Oct 2025 11:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 2531  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 105.1 | 46.6  | 139.7 |
| 145      | 36.2  | 16.9  | 50.7  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048408.D  
 Acq On : 29 Oct 2025 11:41  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:19:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.538          | 168  | 168492     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.739          | 114  | 282367     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 256363     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.006         | 152  | 126812     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.940          | 65   | 12895      | 5.322    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 10.640%# |        |          |
| 35) Dibromofluoromethane     | 5.367          | 113  | 8478       | 5.266    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 10.540%# |        |          |
| 50) Toluene-d8               | 8.628          | 98   | 37648      | 5.298    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 10.600%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.067         | 95   | 15170      | 5.707    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 11.420%# |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 8209       | 4.776    | ug/l   | 99       |
| 3) Chloromethane             | 1.301          | 50   | 4434       | 4.573    | ug/l   | 91       |
| 4) Vinyl Chloride            | 1.380          | 62   | 10893      | 4.863    | ug/l   | 99       |
| 5) Bromomethane              | 1.618          | 94   | 4283       | 5.293    | ug/l   | 91       |
| 6) Chloroethane              | 1.697          | 64   | 6637       | 4.982    | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 16922      | 4.930    | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 5843       | 4.710    | ug/l   | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 9591       | 4.967    | ug/l   | 97       |
| 10) Methyl Iodide            | 2.459          | 142  | 37605      | 4.844    | ug/l   | 97       |
| 11) Tert butyl alcohol       | 2.934          | 59   | 4142       | 22.311   | ug/l # | 86       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 9427       | 4.807    | ug/l   | 85       |
| 13) Acrolein                 | 2.233          | 56   | 8883       | 22.923   | ug/l   | 97       |
| 14) Allyl chloride           | 2.666          | 41   | 16036      | 4.828    | ug/l   | 97       |
| 15) Acrylonitrile            | 3.056          | 53   | 19610      | 23.219   | ug/l   | 96       |
| 16) Acetone                  | 2.367          | 43   | 11436      | 20.823   | ug/l # | 89       |
| 17) Carbon Disulfide         | 2.514          | 76   | 28513      | 5.071    | ug/l   | 98       |
| 18) Methyl Acetate           | 2.697          | 43   | 7987       | 4.348    | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.105          | 73   | 29535      | 4.703    | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 10334      | 4.881    | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 10171      | 4.883    | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.751          | 45   | 33466      | 4.923    | ug/l   | 90       |
| 23) Vinyl Acetate            | 3.709          | 43   | 117089     | 25.303   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 19205      | 4.978    | ug/l   | 98       |
| 25) 2-Butanone               | 4.544          | 43   | 18935      | 21.582   | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 15992      | 4.814    | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 12076      | 4.857    | ug/l   | 99       |
| 28) Bromochloromethane       | 4.879          | 49   | 8637       | 4.940    | ug/l   | 91       |
| 29) Tetrahydrofuran          | 4.989          | 42   | 14146      | 22.641   | ug/l   | 93       |
| 30) Chloroform               | 5.074          | 83   | 19818      | 4.994    | ug/l   | 97       |
| 31) Cyclohexane              | 5.452          | 56   | 16213      | 4.841    | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.361          | 97   | 17255      | 4.925    | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.672          | 75   | 12604      | 4.662    | ug/l   | 94       |
| 37) Ethyl Acetate            | 4.690          | 43   | 11896      | 5.165    | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 5.659          | 117  | 15859      | 5.081    | ug/l   | 92       |
| 39) Methylcyclohexane        | 7.360          | 83   | 17067      | 4.909    | ug/l   | 91       |
| 40) Benzene                  | 6.019          | 78   | 41332      | 5.004    | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048408.D  
 Acq On : 29 Oct 2025 11:41  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:19:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.904  | 41   | 5197     | 4.479  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.068  | 62   | 14675    | 5.045  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.324  | 43   | 17743    | 4.666  | ug/l   | 98       |
| 44) Trichloroethene           | 7.110  | 130  | 11270    | 5.208  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 7.415  | 63   | 10081    | 4.887  | ug/l   | 96       |
| 46) Dibromomethane            | 7.562  | 93   | 7346     | 5.087  | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.805  | 83   | 15604    | 5.086  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.684  | 41   | 8621     | 4.649  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.641  | 88   | 1982     | 94.031 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 50183    | 23.712 | ug/l   | 99       |
| 52) Toluene                   | 8.702  | 92   | 25912    | 5.021  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75   | 13872    | 4.988  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 14823    | 4.947  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 9317     | 4.989  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 12380    | 4.527  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 16367    | 5.054  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.226  | 63   | 30558    | 27.358 | ug/l   | 98       |
| 59) 2-Hexanone                | 9.415  | 43   | 30645    | 22.254 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.506  | 129  | 11519    | 4.987  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 9540     | 4.938  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.256  | 164  | 10526    | 5.098  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.061 | 112  | 30095    | 5.096  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131  | 9919     | 4.937  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.177 | 91   | 48940    | 4.921  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.281 | 106  | 37478    | 9.954  | ug/l   | 96       |
| 69) o-Xylene                  | 10.628 | 106  | 17655    | 4.907  | ug/l   | 94       |
| 70) Styrene                   | 10.640 | 104  | 29194    | 4.790  | ug/l   | 99       |
| 71) Bromoform                 | 10.781 | 173  | 6877     | 4.732  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.945 | 105  | 45638    | 4.866  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.829 | 43   | 14713    | 4.397  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 11650    | 4.904  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 8901m    | 4.500  | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 11458    | 4.945  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.287 | 91   | 54619    | 4.927  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.347 | 91   | 32940    | 4.949  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 37702    | 4.904  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 2420     | 4.592  | ug/l # | 68       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 39376    | 5.032  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 38057    | 4.862  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 36460    | 4.789  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 48781    | 5.001  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 40550    | 4.918  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 21978    | 4.967  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 23136    | 5.134  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.317 | 91   | 36813    | 4.755  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.518 | 117  | 6571     | 4.535  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 20410    | 4.977  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 1977     | 4.250  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 13185    | 4.660  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 5541     | 4.669  | ug/l   | 97       |
| 95) Naphthalene               | 13.756 | 128  | 30675    | 4.293  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.945 | 180  | 11880    | 4.622  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048408.D  
Acq On : 29 Oct 2025 11:41  
Operator : JC/MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:19:27 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration

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

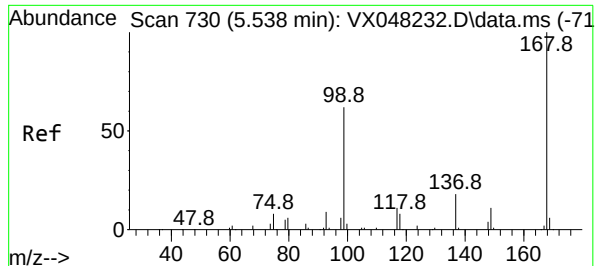
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC005

## Manual Integrations

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025





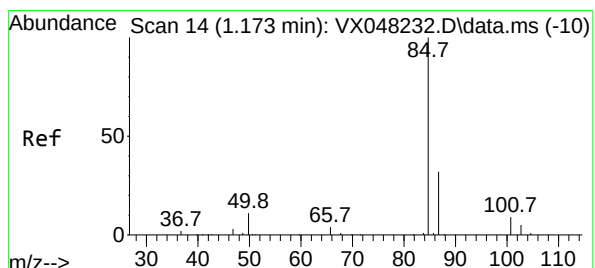
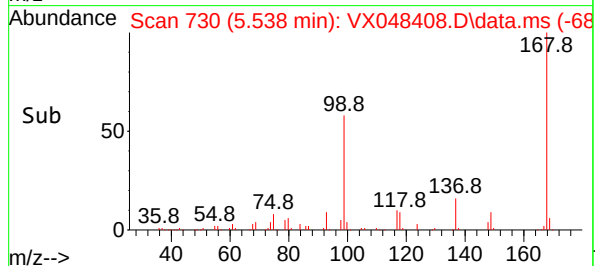
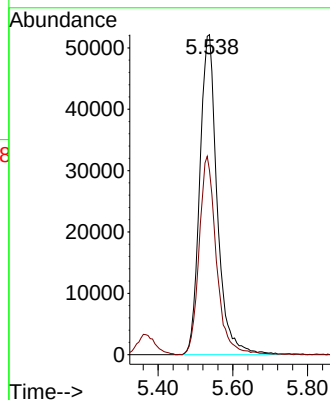
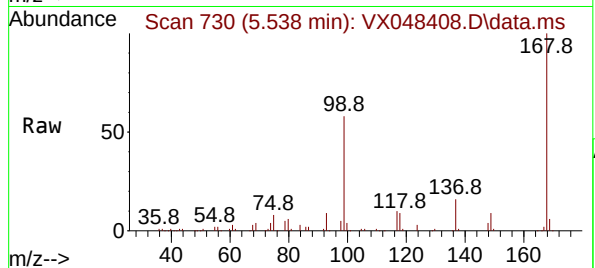
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Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion:168 Resp: 16849  
Ion Ratio Lower Upper  
168 100  
99 57.5 46.4 69.6

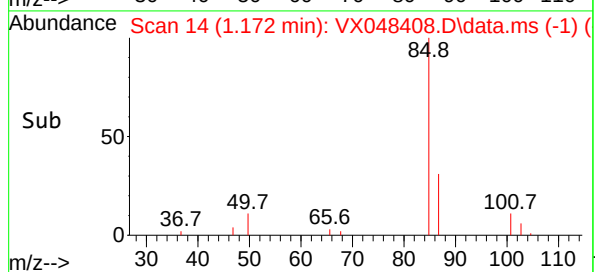
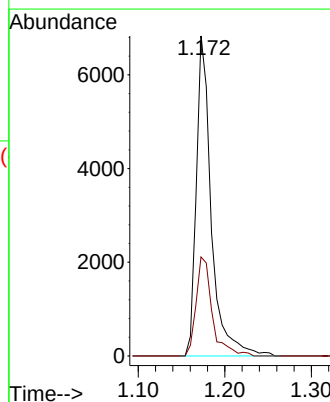
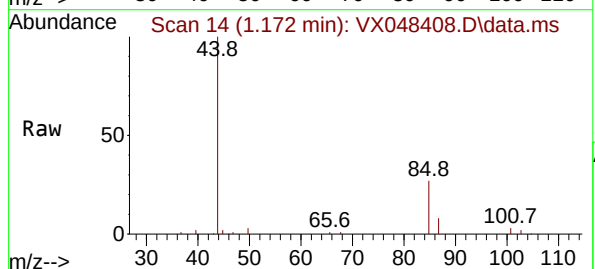
Manual Integrations  
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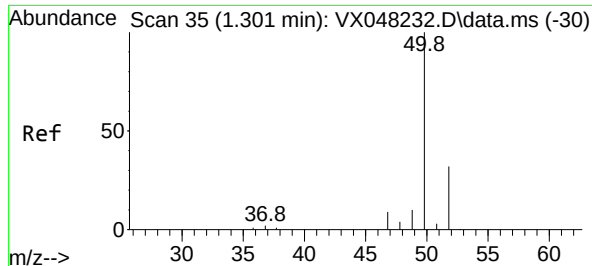
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#2  
Dichlorodifluoromethane  
Concen: 4.776 ug/l  
RT: 1.172 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

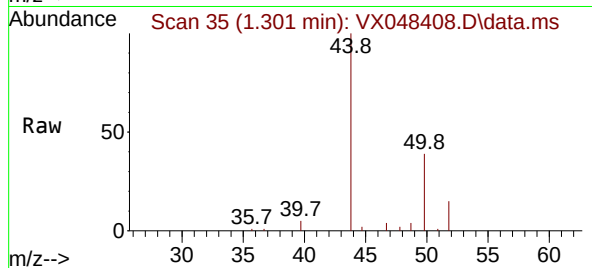
Tgt Ion: 85 Resp: 8209  
Ion Ratio Lower Upper  
85 100  
87 31.0 15.3 45.9





#3  
Chloromethane  
Concen: 4.573 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

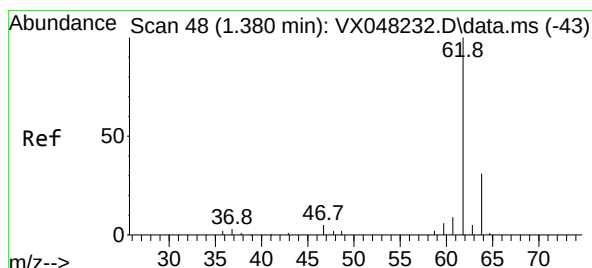
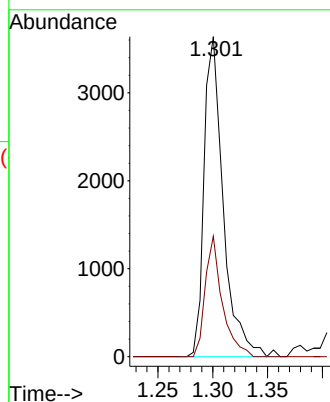
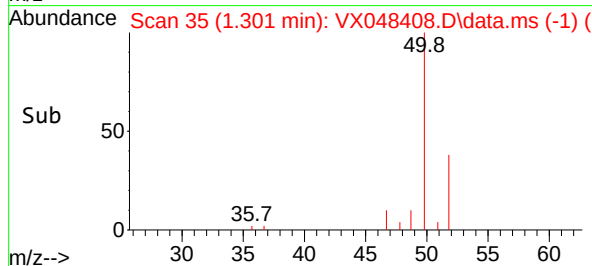
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005



Tgt Ion: 50 Resp: 4434  
Ion Ratio Lower Upper  
50 100  
52 37.7 25.9 38.9

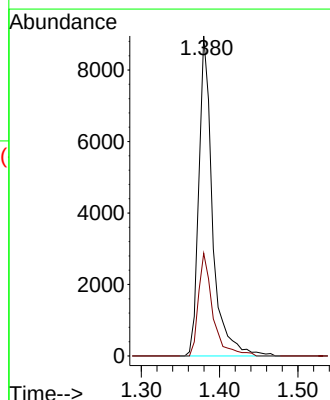
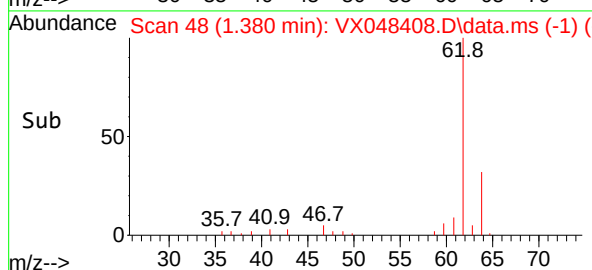
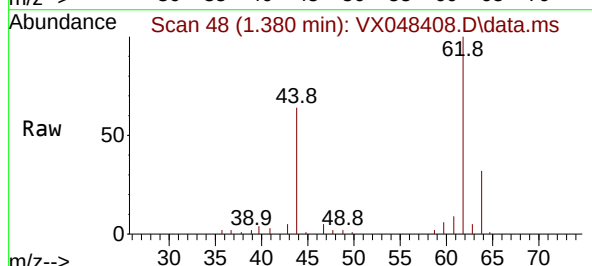
Manual Integrations  
APPROVED

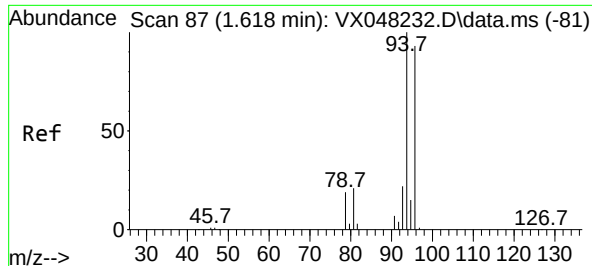
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#4  
Vinyl Chloride  
Concen: 4.863 ug/l  
RT: 1.380 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Tgt Ion: 62 Resp: 10893  
Ion Ratio Lower Upper  
62 100  
64 32.1 25.1 37.7





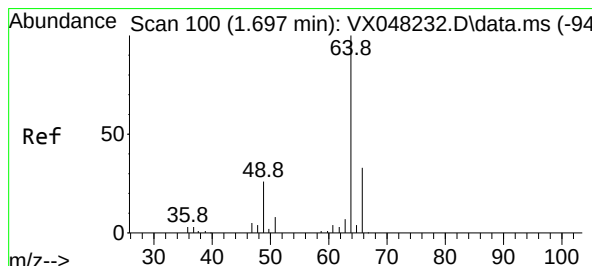
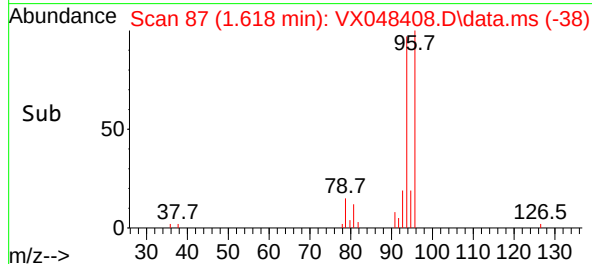
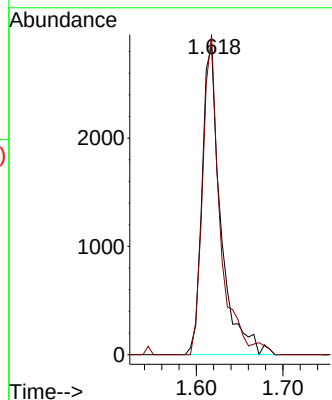
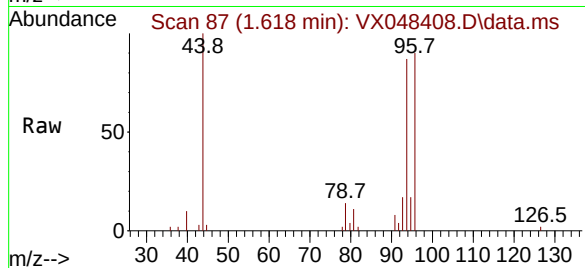
#5  
Bromomethane  
Concen: 5.293 ug/l  
RT: 1.618 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion: 94 Resp: 428  
Ion Ratio Lower Upper  
94 100  
96 103.5 76.0 114.0

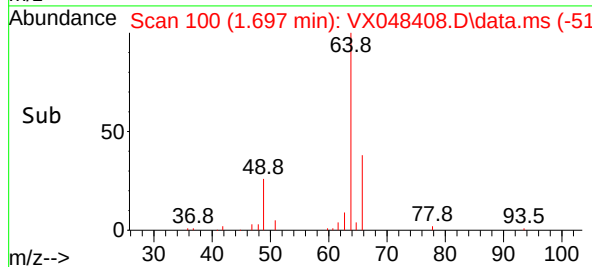
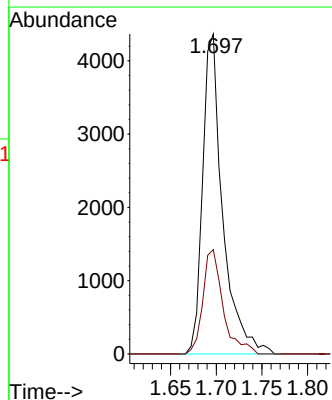
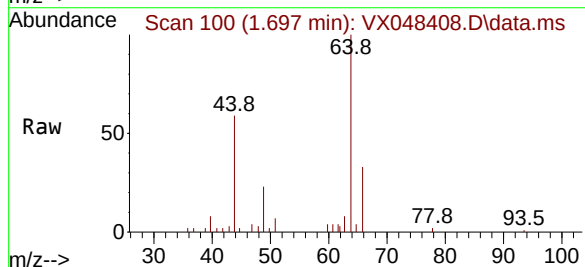
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

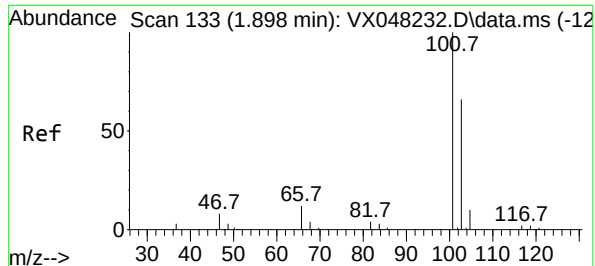


#6  
Chloroethane  
Concen: 4.982 ug/l  
RT: 1.697 min Scan# 100  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Tgt Ion: 64 Resp: 6637  
Ion Ratio Lower Upper  
64 100  
66 32.6 23.9 35.9







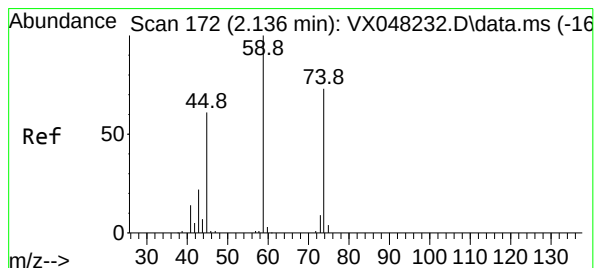
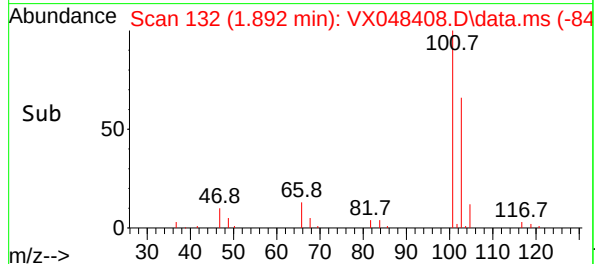
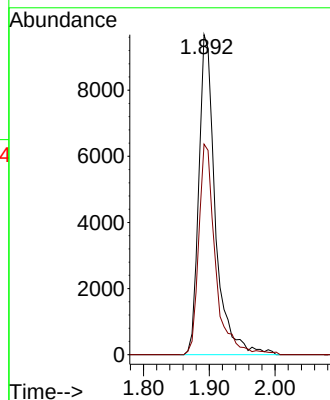
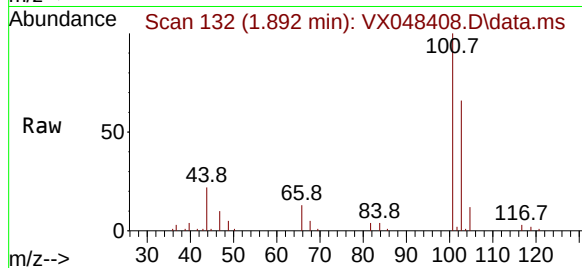
#7  
Trichlorofluoromethane  
Concen: 4.930 ug/l  
RT: 1.892 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion:101 Resp: 1692  
Ion Ratio Lower Upper  
101 100  
103 65.8 51.6 77.4

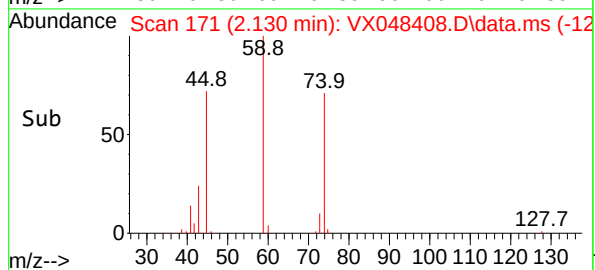
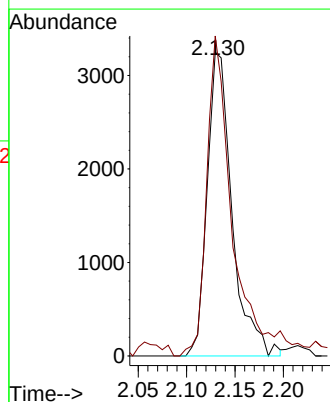
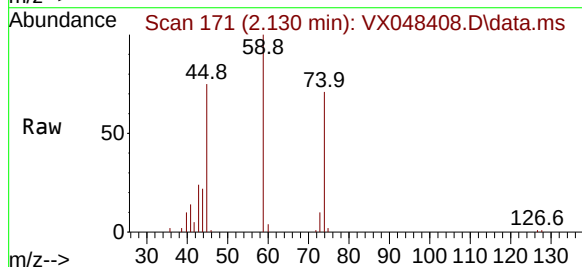
Manual Integrations  
APPROVED

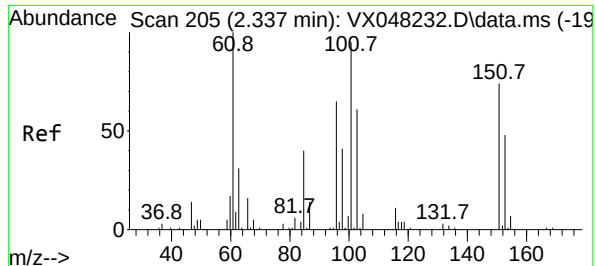
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#8  
Diethyl Ether  
Concen: 4.710 ug/l  
RT: 2.130 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Tgt Ion: 74 Resp: 5843  
Ion Ratio Lower Upper  
74 100  
45 109.9 50.0 149.8





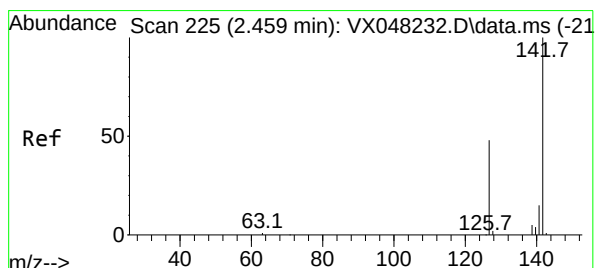
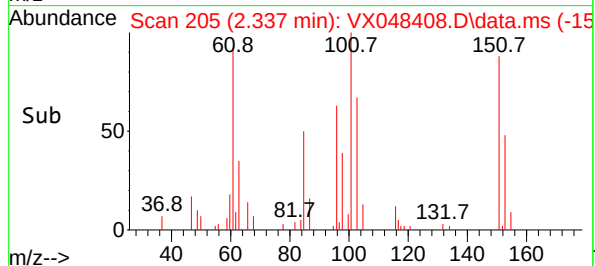
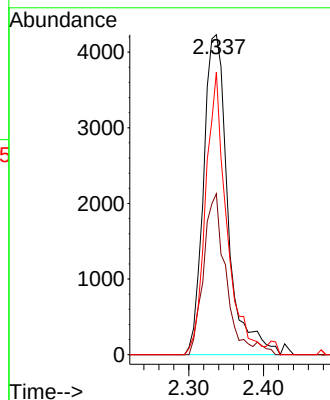
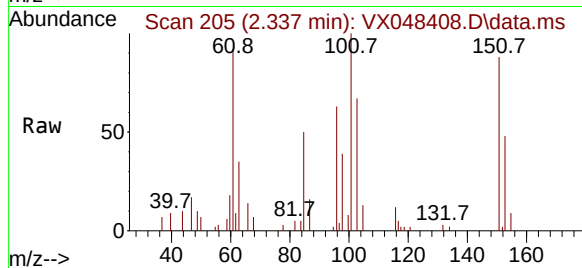
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 4.967 ug/l  
RT: 2.337 min Scan# 205  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion:101 Resp: 959  
Ion Ratio Lower Upper  
101 100  
85 45.0 35.6 53.4  
151 75.9 58.0 87.0

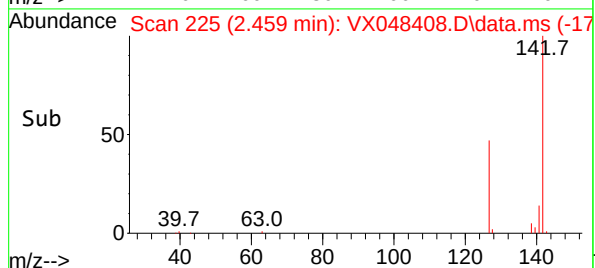
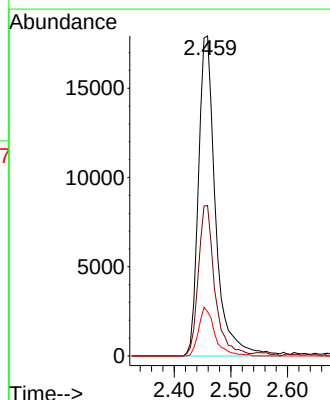
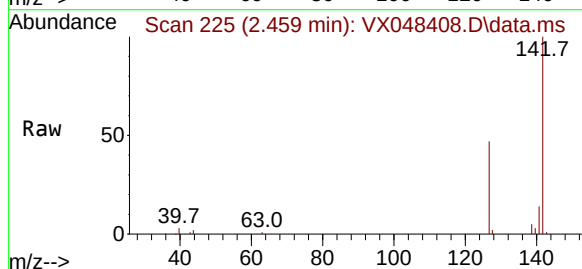
Manual Integrations  
APPROVED

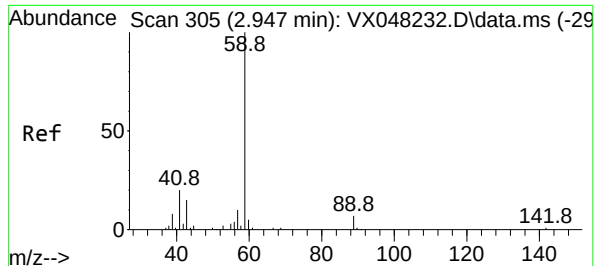
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#10  
Methyl Iodide  
Concen: 4.844 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Tgt Ion:142 Resp: 37605  
Ion Ratio Lower Upper  
142 100  
127 45.4 38.5 57.7  
141 14.4 11.6 17.4





#11

Tert butyl alcohol

Concen: 22.311 ug/l

RT: 2.934 min Scan# 305

Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 414

Ion Ratio Lower Upper

59 100

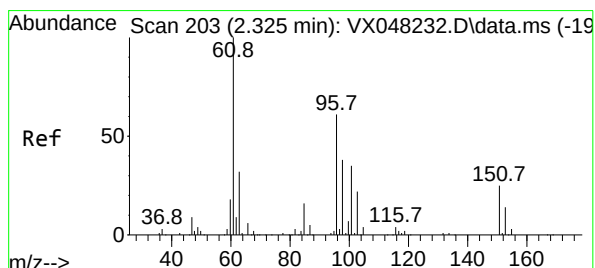
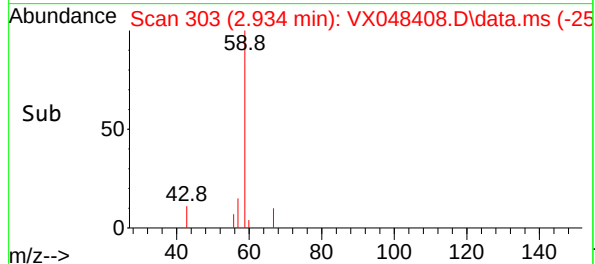
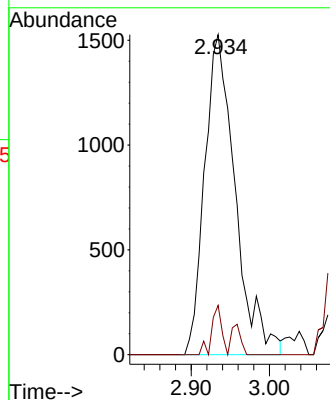
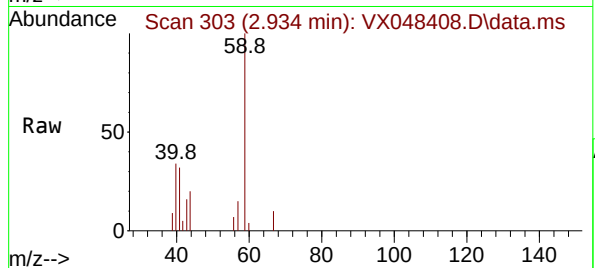
57 5.0 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#12

1,1-Dichloroethene

Concen: 4.807 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

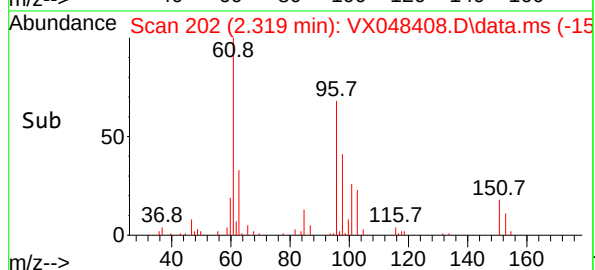
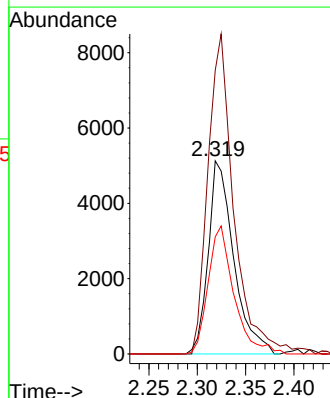
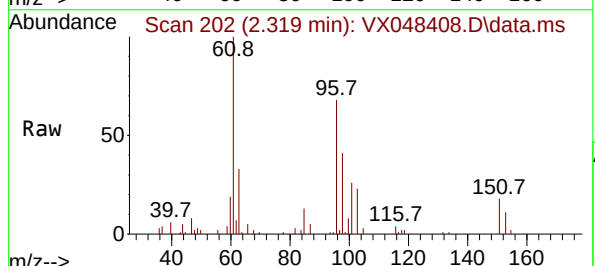
Tgt Ion: 96 Resp: 9427

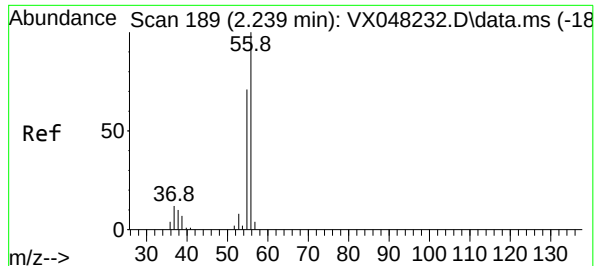
Ion Ratio Lower Upper

96 100

61 146.8 139.0 208.6

98 62.7 52.4 78.6





#13

Acrolein

Concen: 22.923 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 888

Ion Ratio Lower Upper

56 100

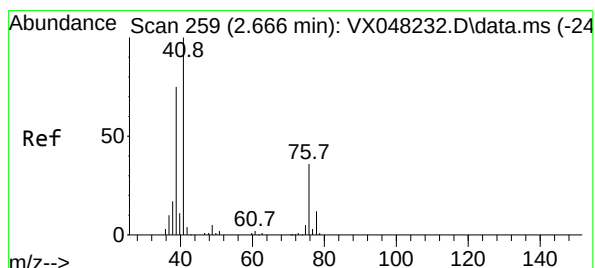
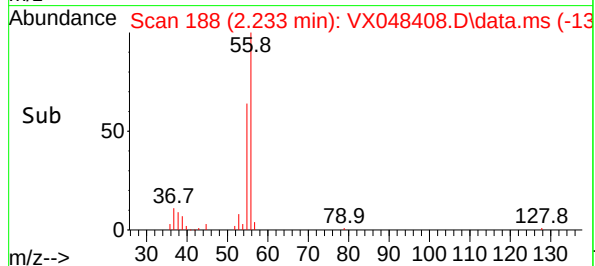
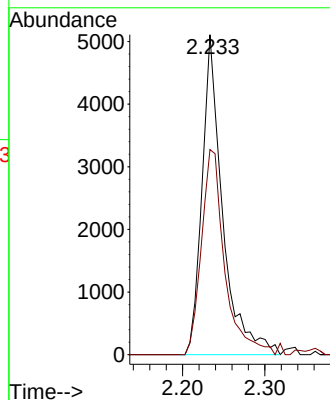
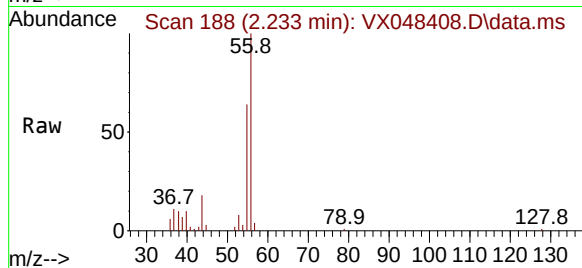
55 72.2 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#14

Allyl chloride

Concen: 4.828 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

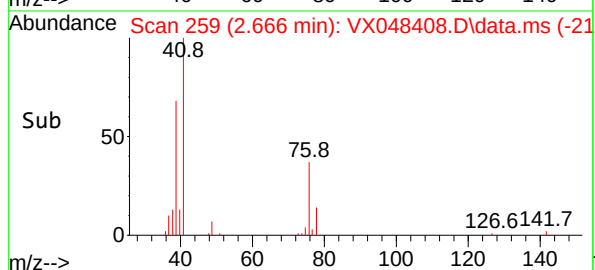
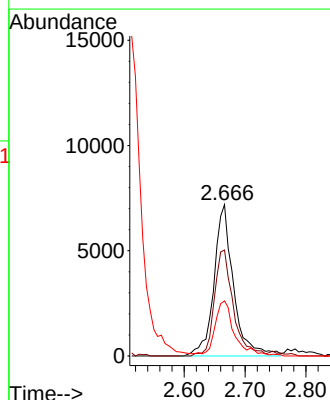
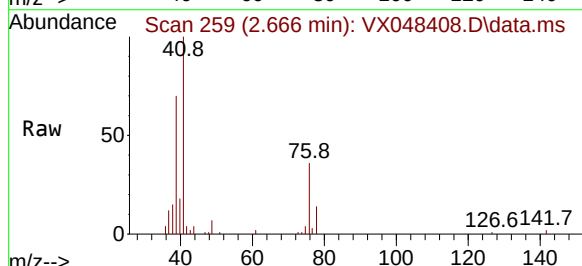
Tgt Ion: 41 Resp: 16036

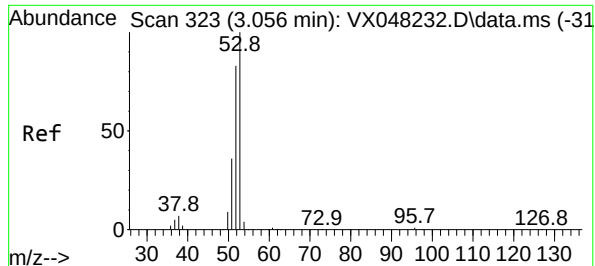
Ion Ratio Lower Upper

41 100

39 67.3 56.0 84.0

76 36.5 27.5 41.3





#15

Acrylonitrile

Concen: 23.219 ug/l

RT: 3.056 min Scan# 30

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

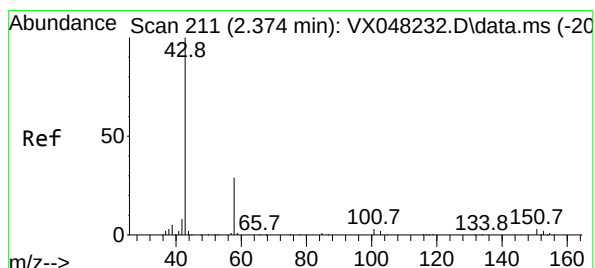
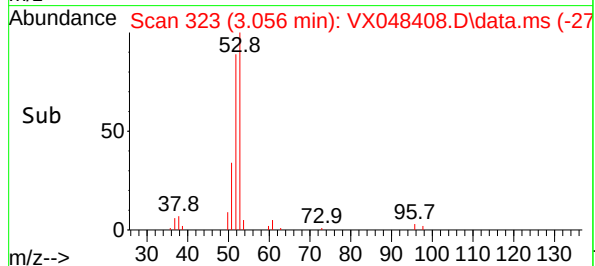
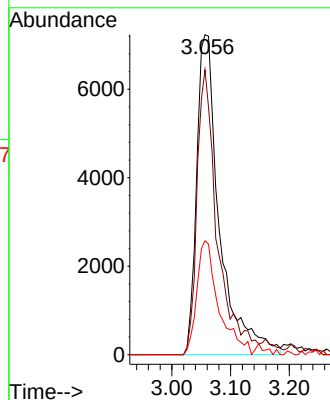
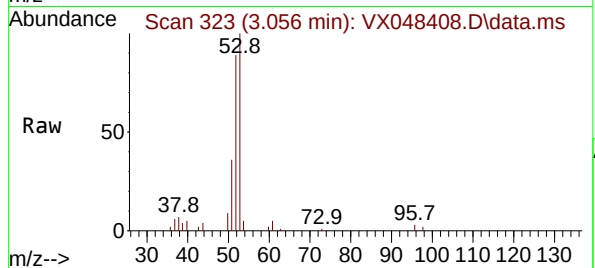
VSTDICC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 19610 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 79.0  | 66.1  | 99.1  |
| 51       | 34.0  | 29.0  | 43.4  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#16

Acetone

Concen: 20.823 ug/l

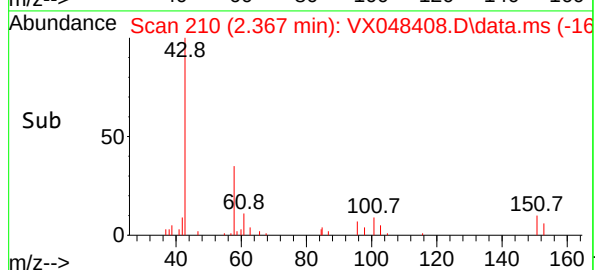
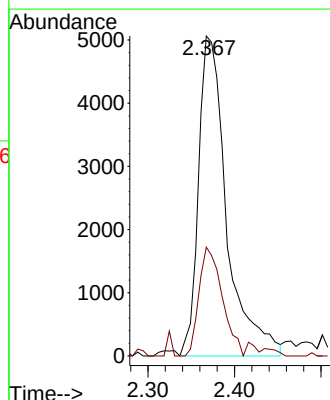
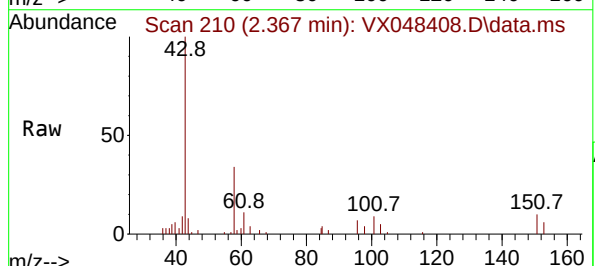
RT: 2.367 min Scan# 210

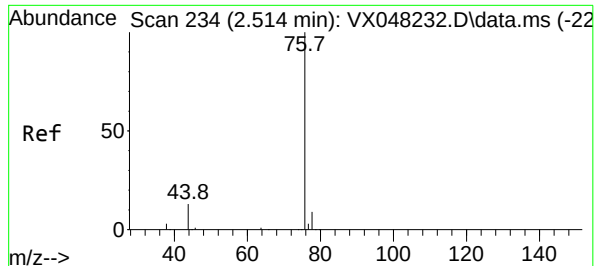
Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 11436 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 35.2  | 23.4  | 35.2# |





#17

Carbon Disulfide

Concen: 5.071 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 2851

Ion Ratio Lower Upper

76 100

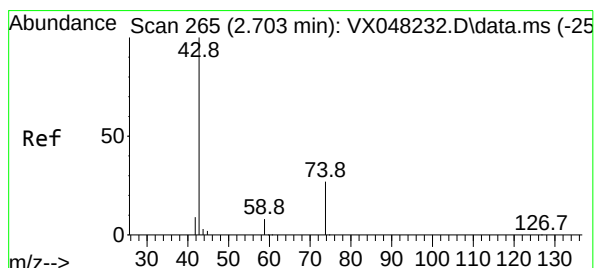
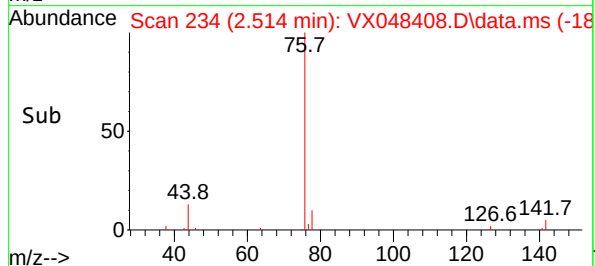
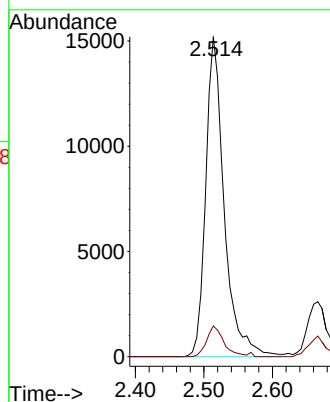
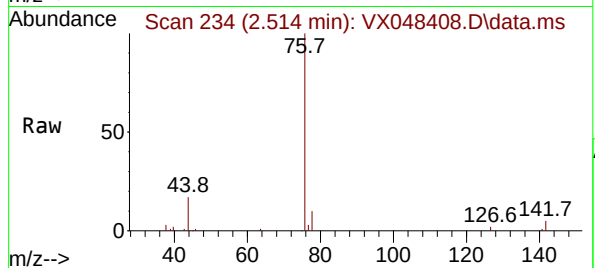
78 9.6 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#18

Methyl Acetate

Concen: 4.348 ug/l

RT: 2.697 min Scan# 264

Delta R.T. 0.000 min

Lab File: VX048408.D

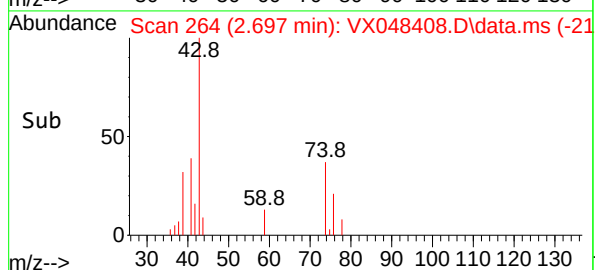
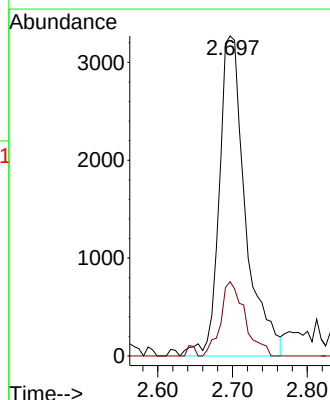
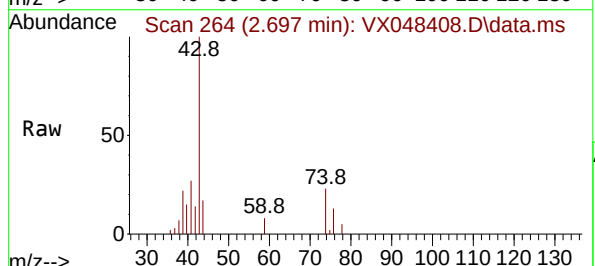
Acq: 29 Oct 2025 11:41

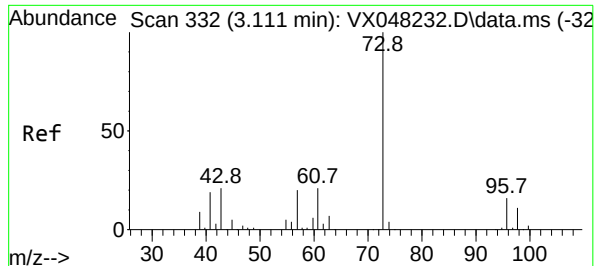
Tgt Ion: 43 Resp: 7987

Ion Ratio Lower Upper

43 100

74 21.6 17.5 26.3





#19

Methyl tert-butyl Ether

Concen: 4.703 ug/l

RT: 3.105 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 2953

Ion Ratio Lower Upper

73 100

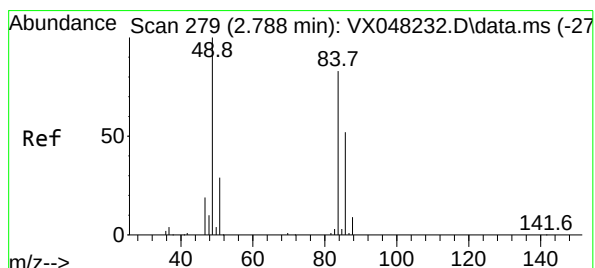
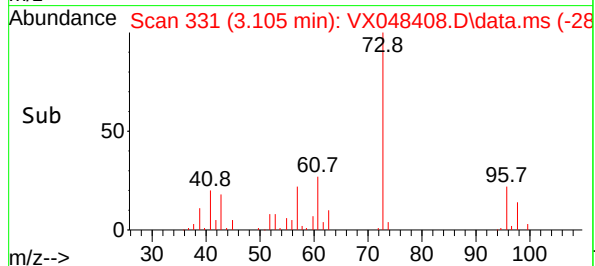
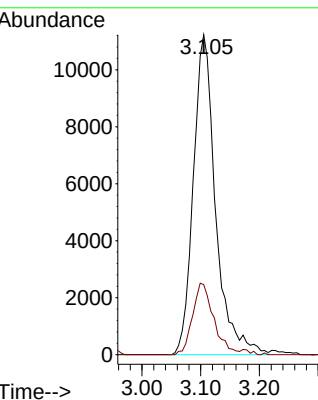
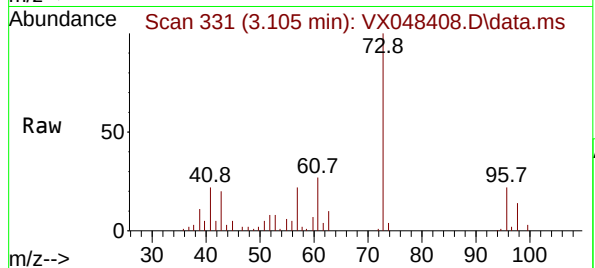
57 21.9 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#20

Methylene Chloride

Concen: 4.881 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Tgt Ion: 84 Resp: 10334

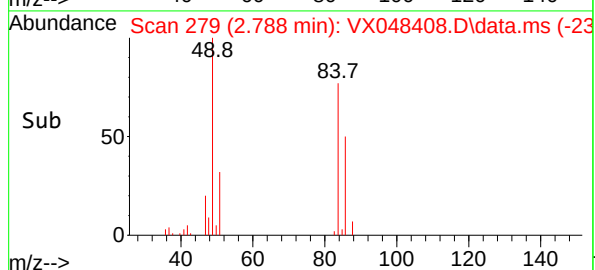
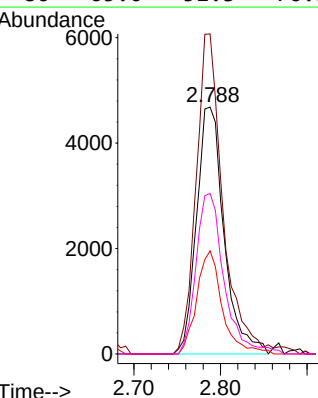
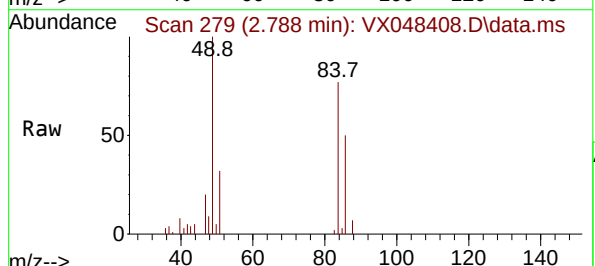
Ion Ratio Lower Upper

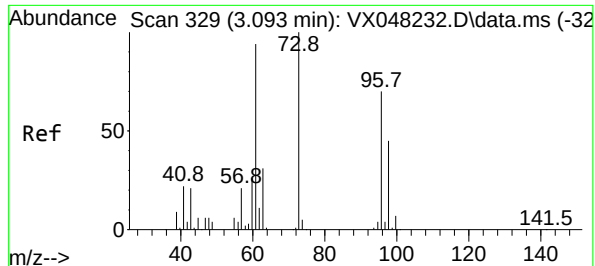
84 100

49 129.6 104.1 156.1

51 41.8 31.3 46.9

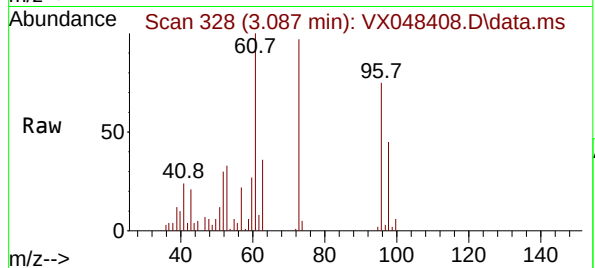
86 65.0 51.3 76.9





#21  
trans-1,2-Dichloroethene  
Concen: 4.883 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

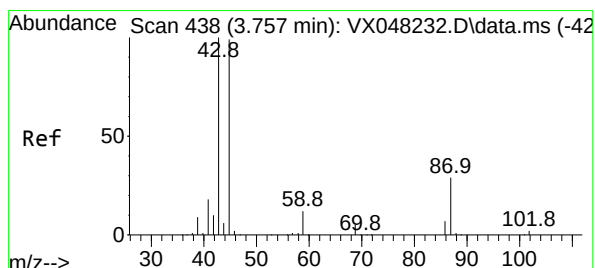
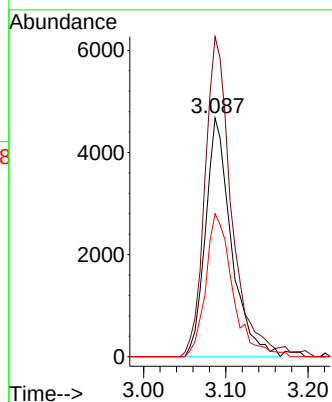
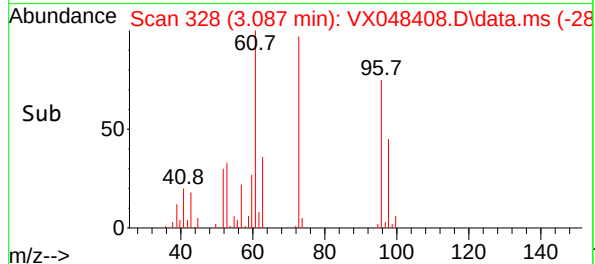
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005



Tgt Ion: 96 Resp: 1017  
Ion Ratio Lower Upper  
96 100  
61 134.0 111.9 167.9  
98 59.9 51.2 76.8

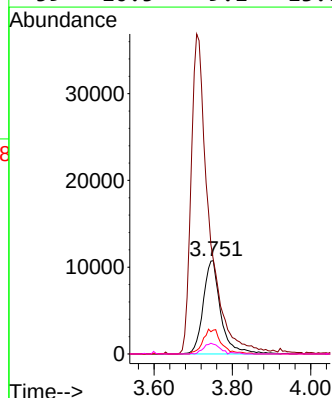
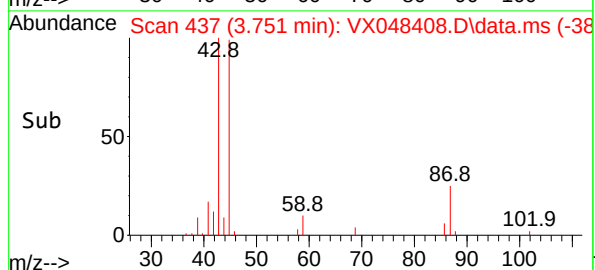
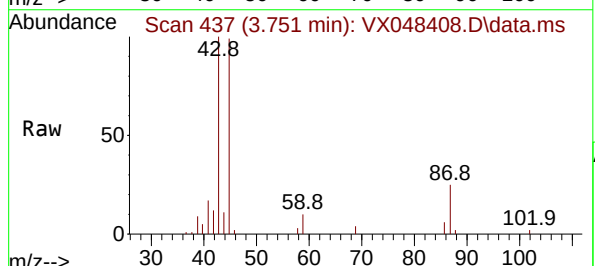
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

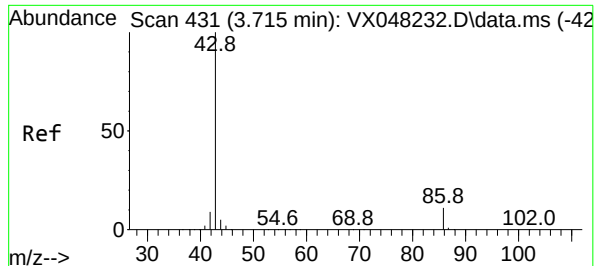


#22  
Diisopropyl ether  
Concen: 4.923 ug/l  
RT: 3.751 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Tgt Ion: 45 Resp: 33466  
Ion Ratio Lower Upper  
45 100  
43 98.2 89.8 134.8  
87 25.6 20.6 31.0  
59 10.5 9.1 13.7







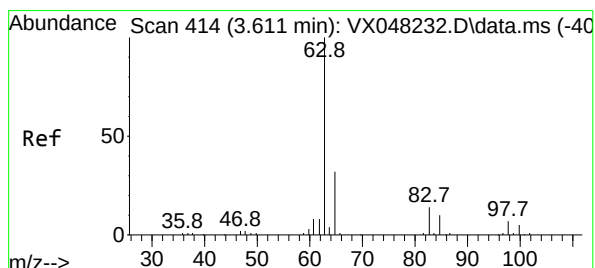
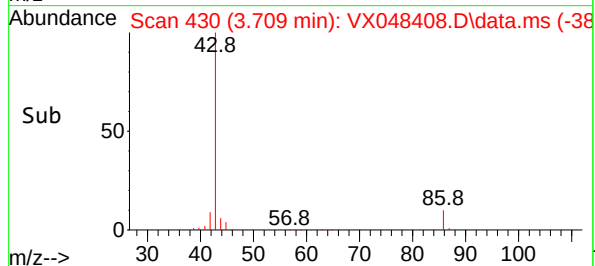
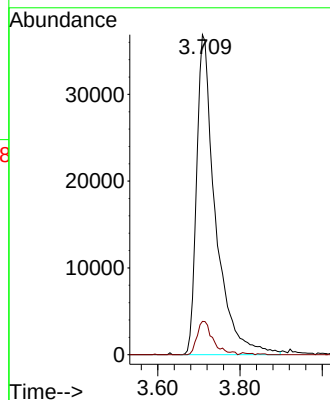
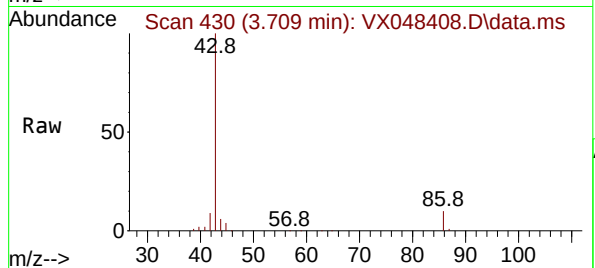
#23  
Vinyl Acetate  
Concen: 25.303 ug/l  
RT: 3.709 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion: 43 Resp: 117089  
Ion Ratio Lower Upper  
43 100  
86 10.5 7.9 11.9

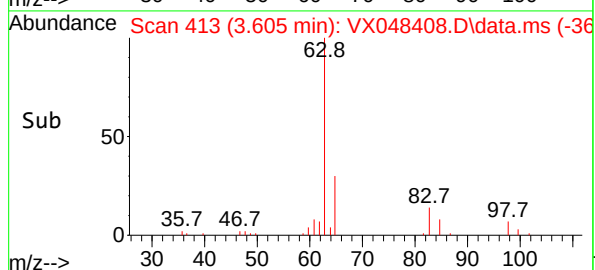
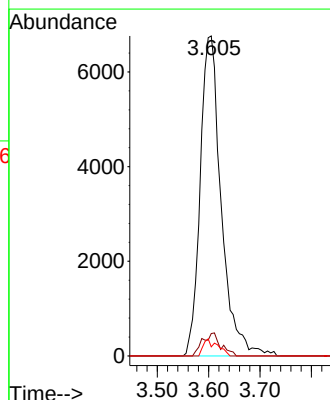
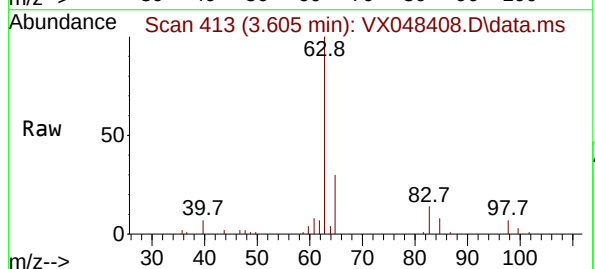
Manual Integrations  
APPROVED

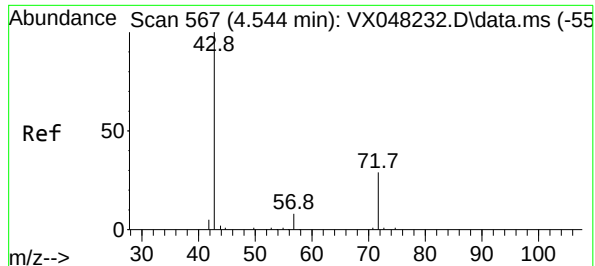
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#24  
1,1-Dichloroethane  
Concen: 4.978 ug/l  
RT: 3.605 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Tgt Ion: 63 Resp: 19205  
Ion Ratio Lower Upper  
63 100  
98 7.0 3.5 10.6  
100 2.9 2.1 6.3





#25

2-Butanone

Concen: 21.582 ug/l

RT: 4.544 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 1893

Ion Ratio Lower Upper

43 100

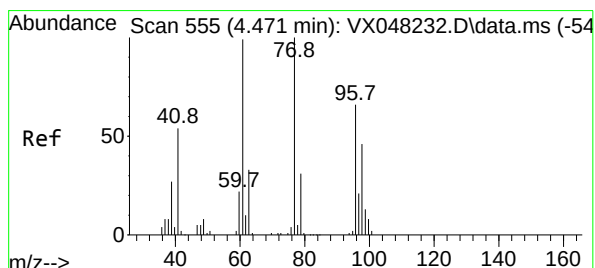
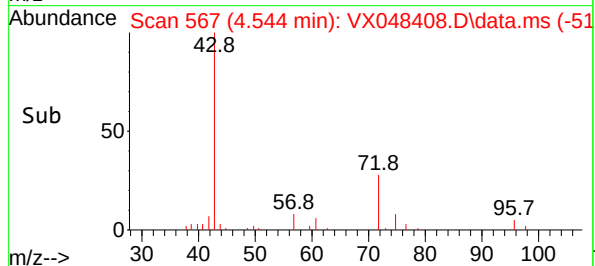
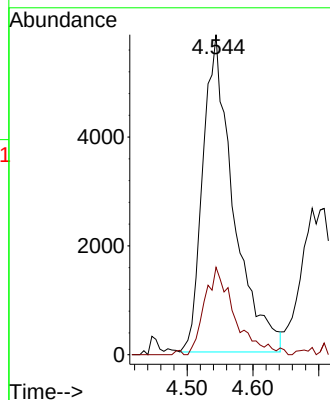
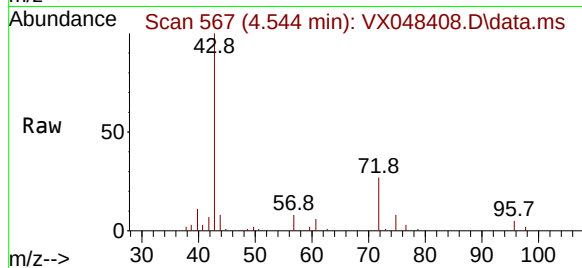
72 26.2 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#26

2,2-Dichloropropane

Concen: 4.814 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX048408.D

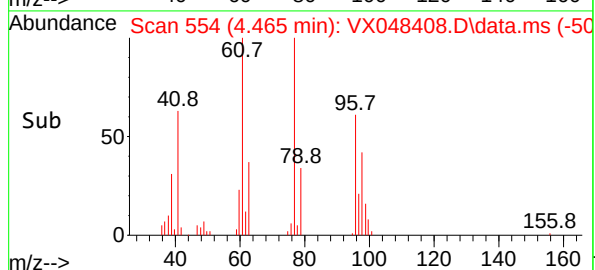
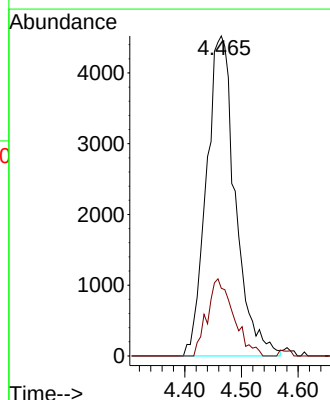
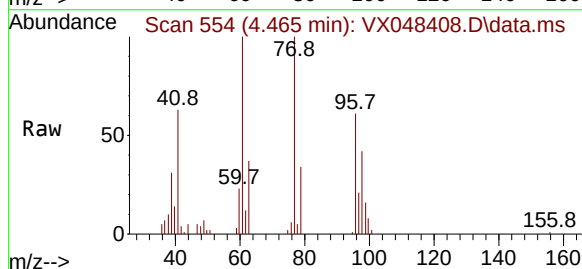
Acq: 29 Oct 2025 11:41

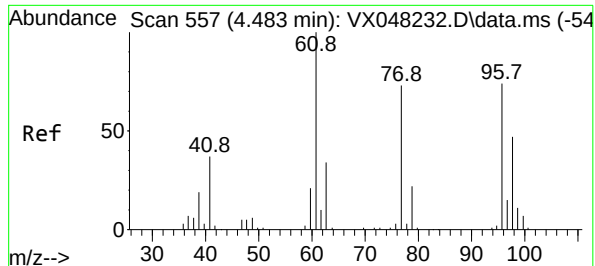
Tgt Ion: 77 Resp: 15992

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 4.857 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 1207

Ion Ratio Lower Upper

96 100

61 147.1 0.0 294.2

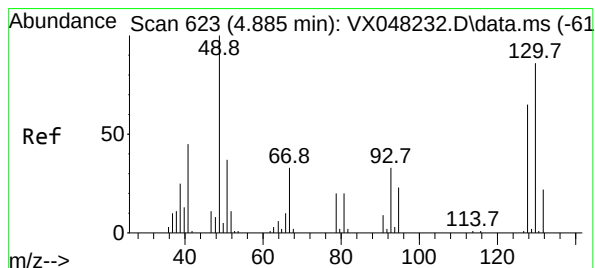
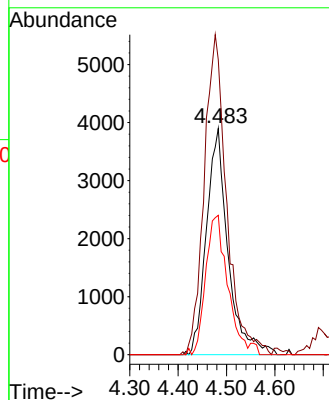
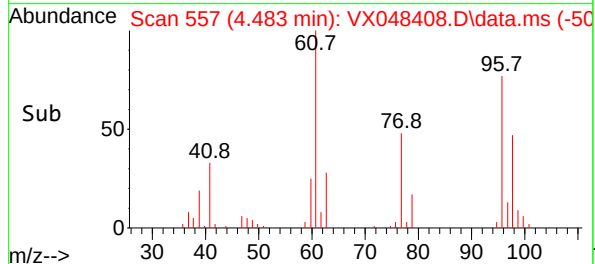
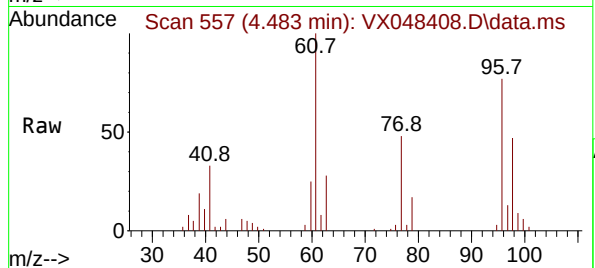
98 62.1 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#28

Bromochloromethane

Concen: 4.940 ug/l

RT: 4.879 min Scan# 622

Delta R.T. -0.012 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

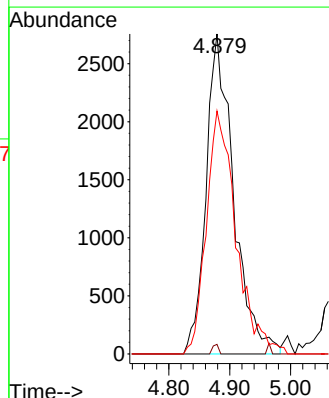
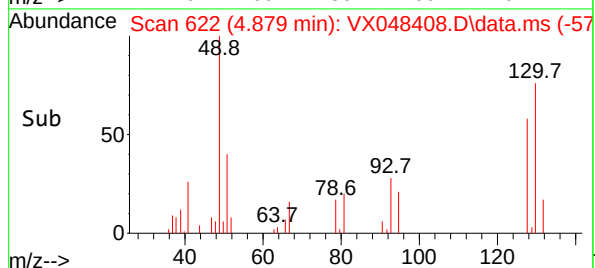
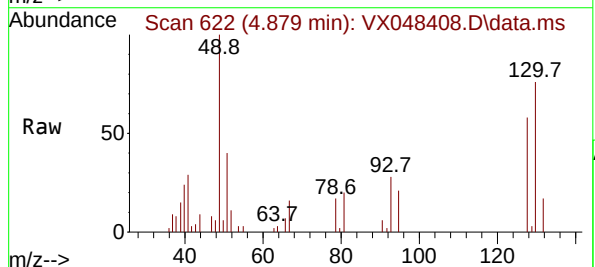
Tgt Ion: 49 Resp: 8637

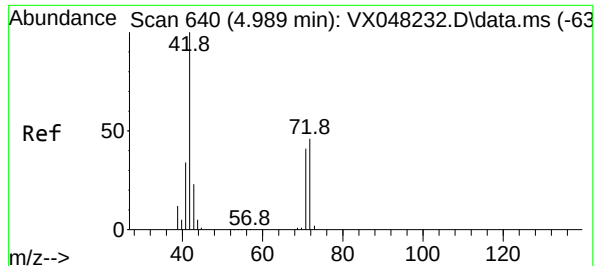
Ion Ratio Lower Upper

49 100

129 0.6 0.0 4.4

130 81.9 59.3 88.9





#29

Tetrahydrofuran

Concen: 22.641 ug/l

RT: 4.989 min Scan# 640

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

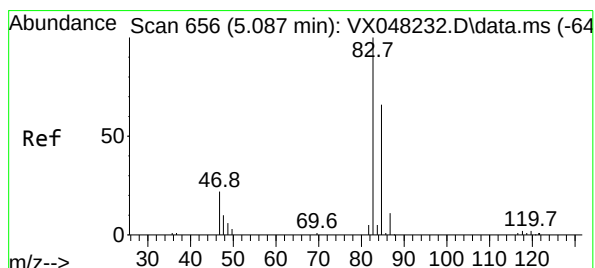
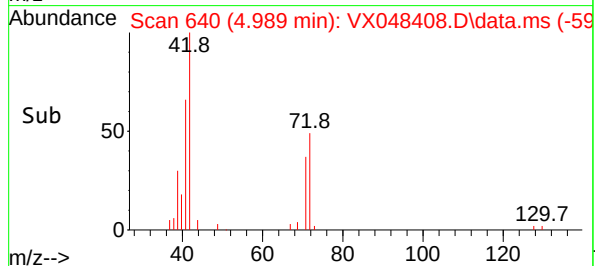
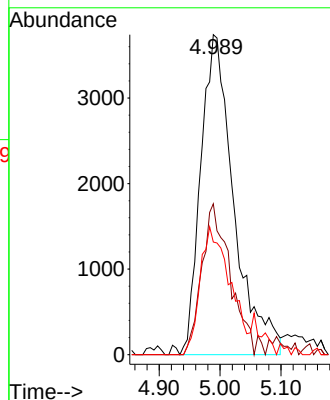
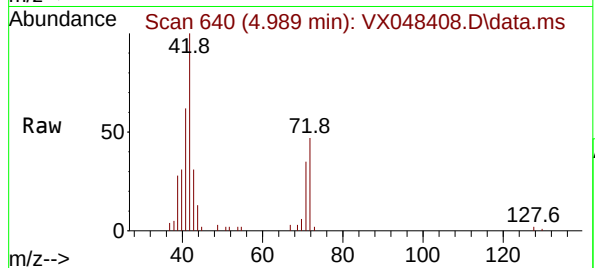
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 1414  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 40.2  | 35.3  | 52.9  |
| 71       | 35.6  | 32.2  | 48.4  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#30

Chloroform

Concen: 4.994 ug/l

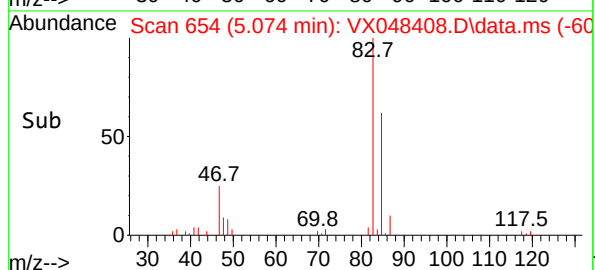
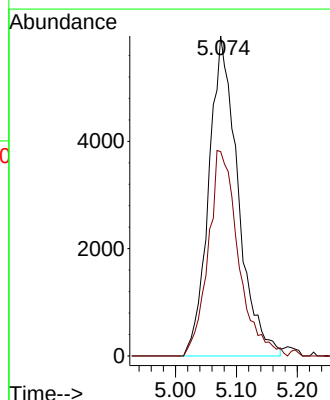
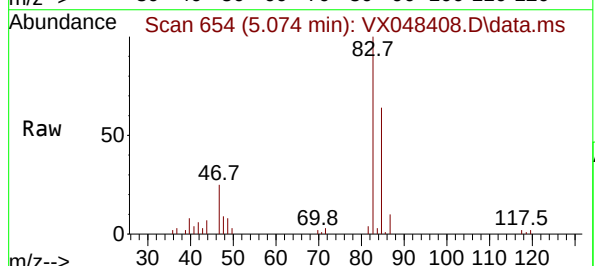
RT: 5.074 min Scan# 654

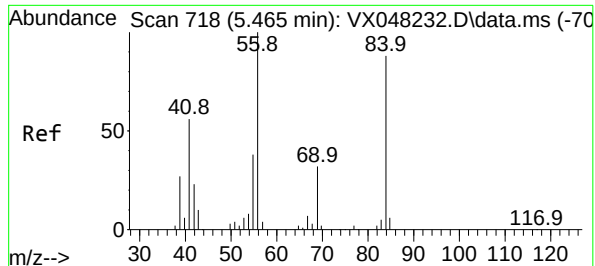
Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 19818 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.8  | 50.1  | 75.1  |





#31

Cyclohexane

Concen: 4.841 ug/l

RT: 5.452 min Scan# 716

Delta R.T. -0.012 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 1621

Ion Ratio Lower Upper

56 100

69 28.5 23.0 34.6

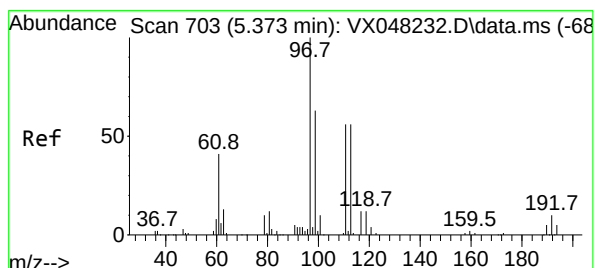
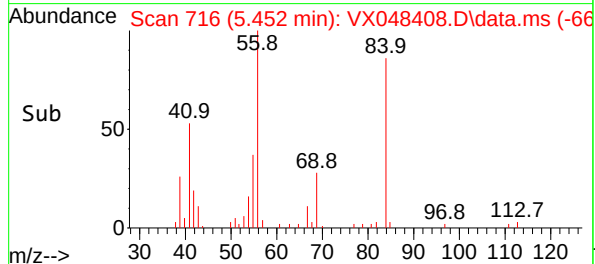
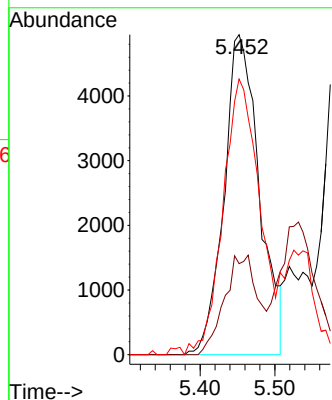
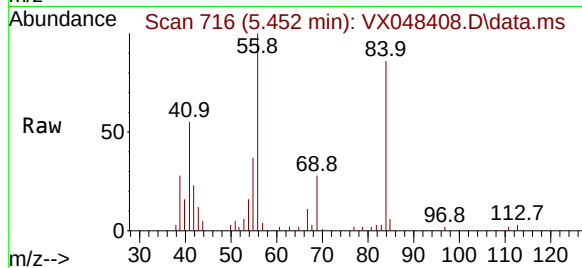
84 83.8 64.6 97.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#32

1,1,1-Trichloroethane

Concen: 4.925 ug/l

RT: 5.361 min Scan# 701

Delta R.T. -0.012 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

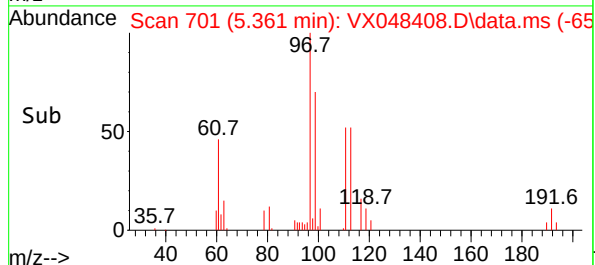
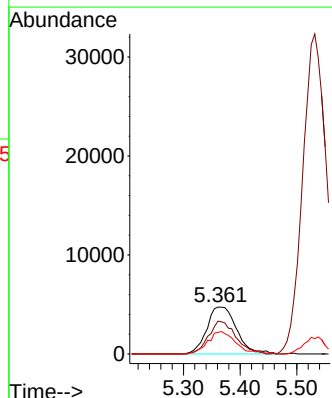
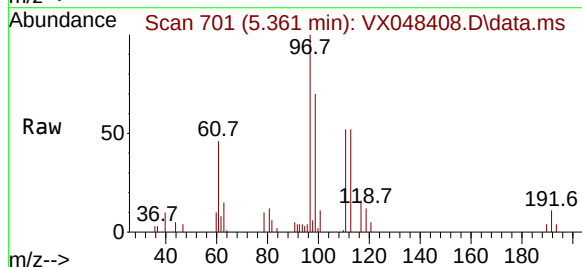
Tgt Ion: 97 Resp: 17255

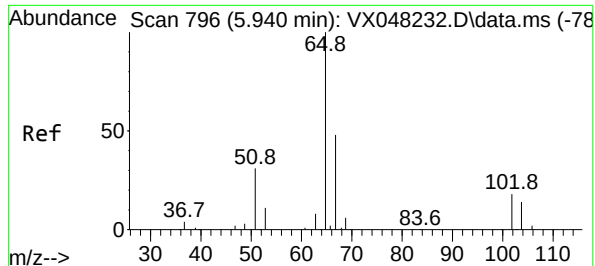
Ion Ratio Lower Upper

97 100

99 64.2 51.7 77.5

61 45.0 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 5.322 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 1289

Ion Ratio Lower Upper

65 100

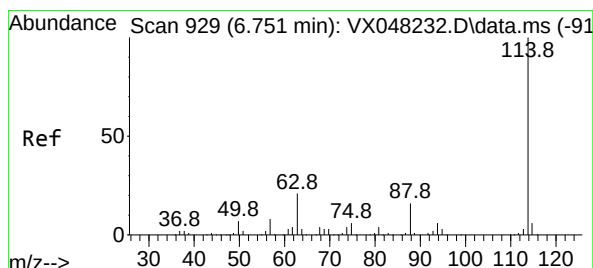
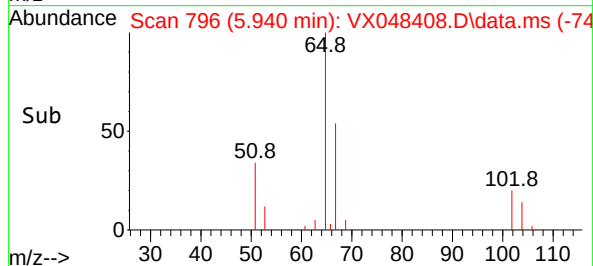
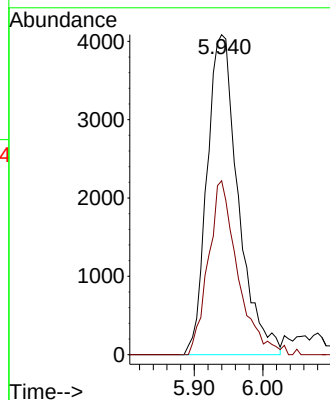
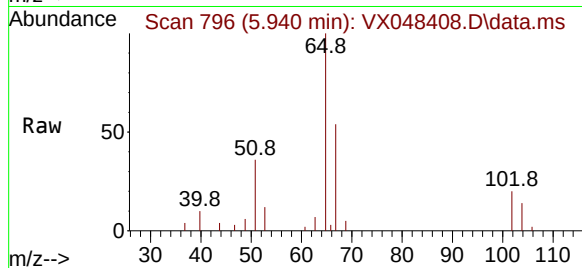
67 51.3 0.0 105.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 927

Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

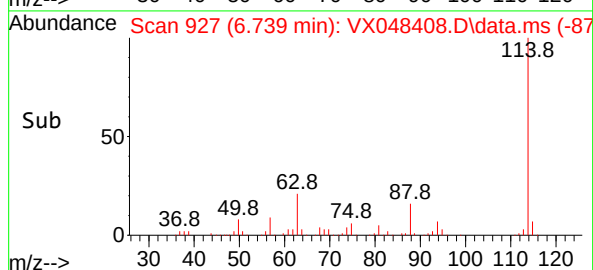
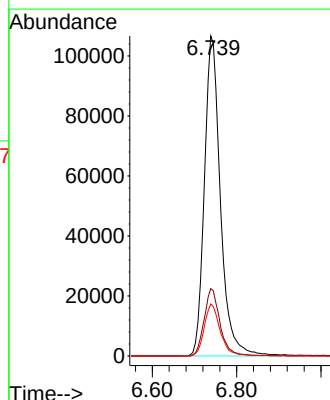
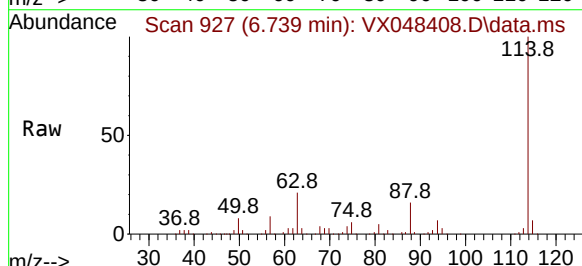
Tgt Ion:114 Resp: 282367

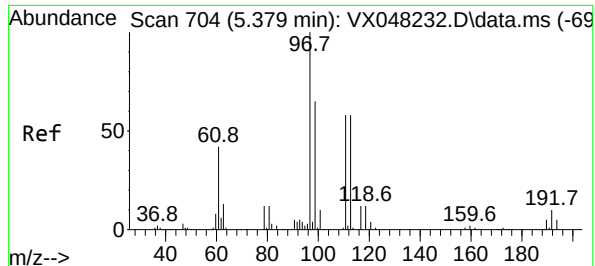
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

88 16.2 0.0 33.6





#35

Dibromofluoromethane

Concen: 5.266 ug/l

RT: 5.367 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

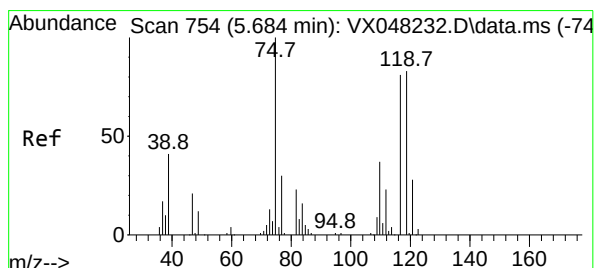
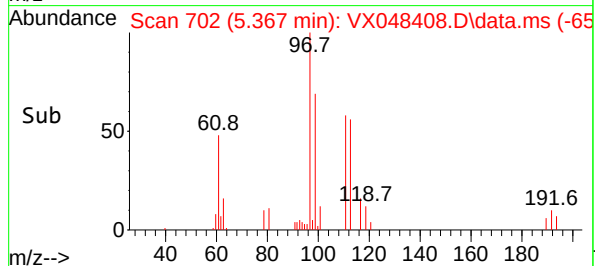
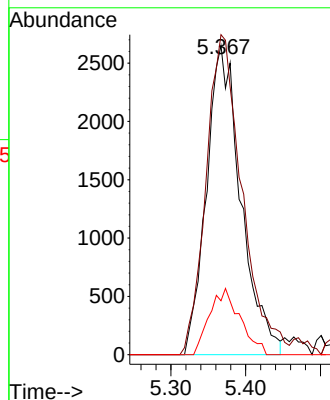
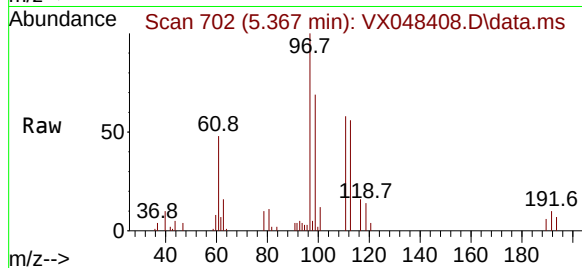
VSTDICC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 8478  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 108.4 | 82.2  | 123.4 |
| 192      | 19.0  | 15.1  | 22.7  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#36

1,1-Dichloropropene

Concen: 4.662 ug/l

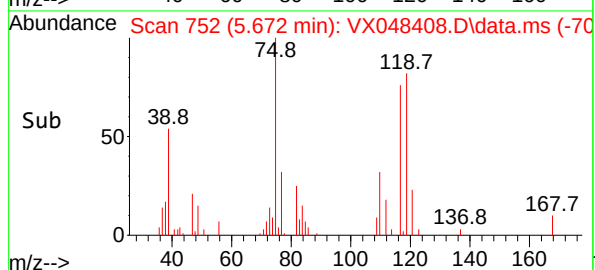
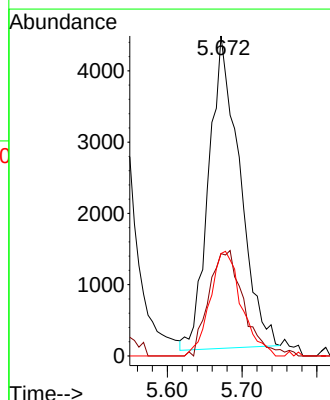
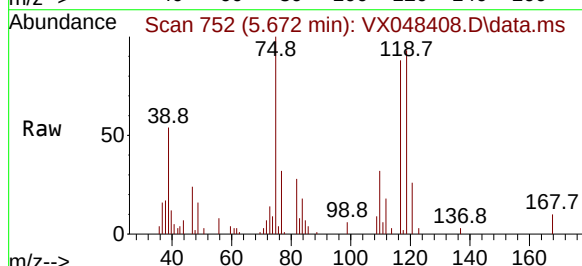
RT: 5.672 min Scan# 752

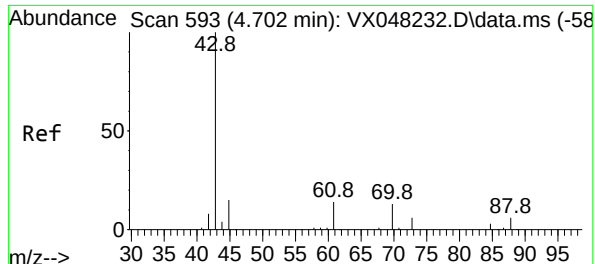
Delta R.T. -0.012 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 12604 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 38.1  | 17.7  | 53.1  |
| 77       | 34.1  | 24.3  | 36.5  |





#37

Ethyl Acetate

Concen: 5.165 ug/l

RT: 4.690 min Scan# 591

Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

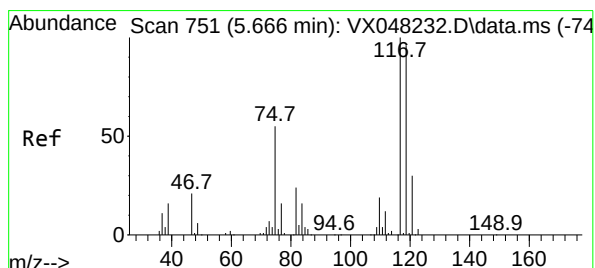
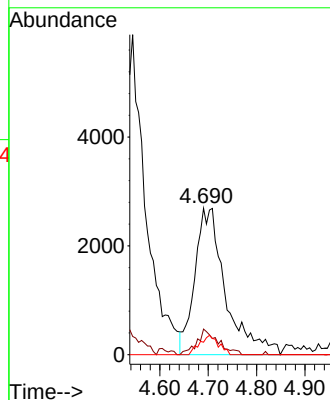
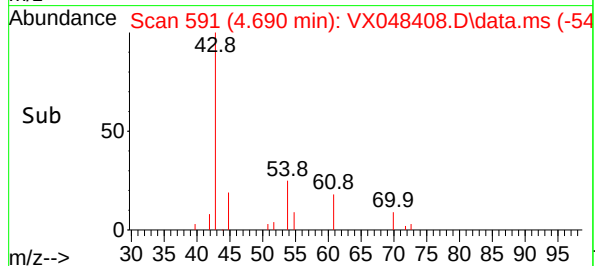
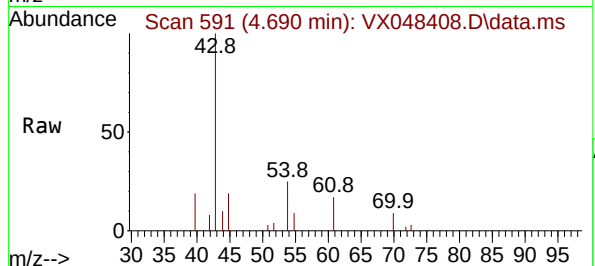
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 11890 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 12.0  | 10.6  | 15.8  |
| 70       | 8.1   | 7.8   | 11.6  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#38

Carbon Tetrachloride

Concen: 5.081 ug/l

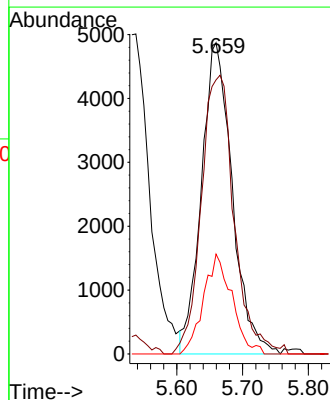
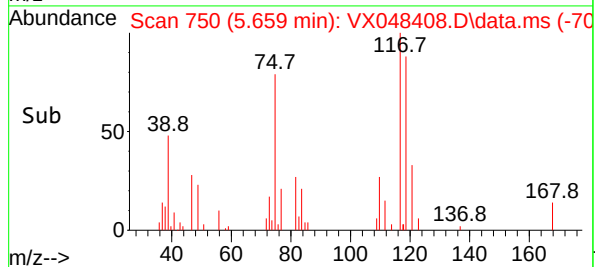
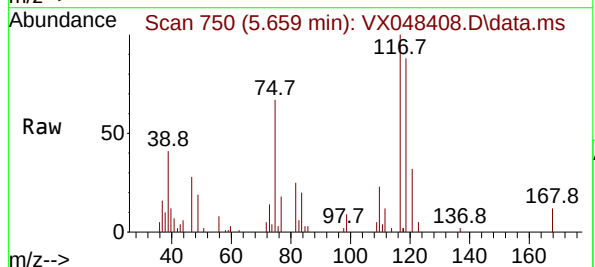
RT: 5.659 min Scan# 750

Delta R.T. -0.006 min

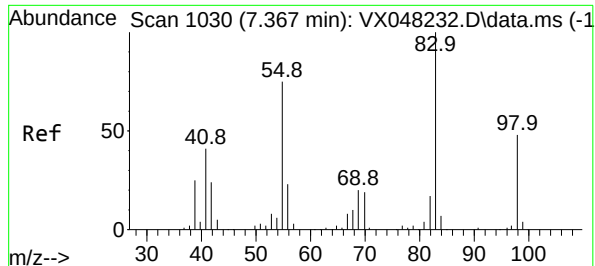
Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 15859 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 86.3  | 77.2  | 115.8 |
| 121      | 32.1  | 24.8  | 37.2  |







#39

Methylcyclohexane

Concen: 4.909 ug/l

RT: 7.360 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

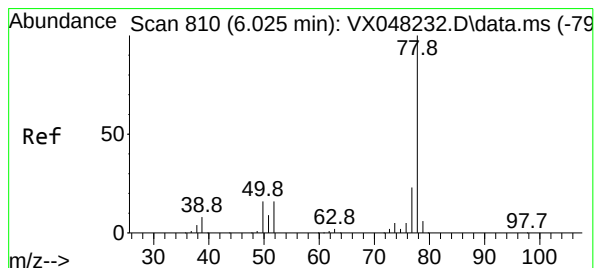
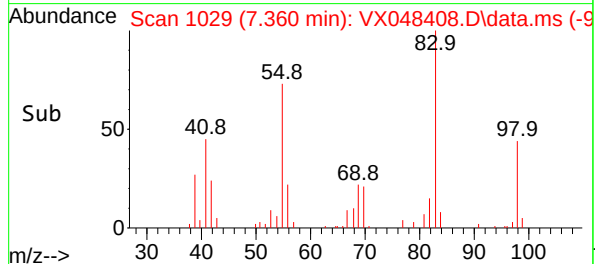
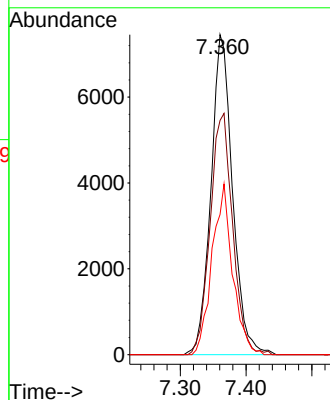
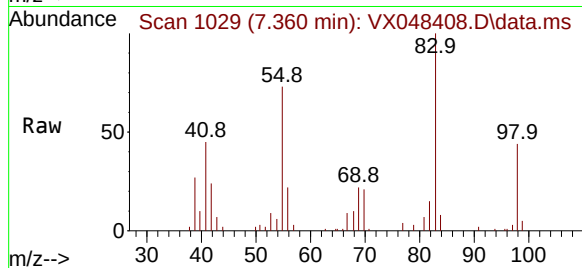
VSTDICC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 1706  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 73.2  | 66.2  | 99.2  |
| 98       | 43.8  | 38.9  | 58.3  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#40

Benzene

Concen: 5.004 ug/l

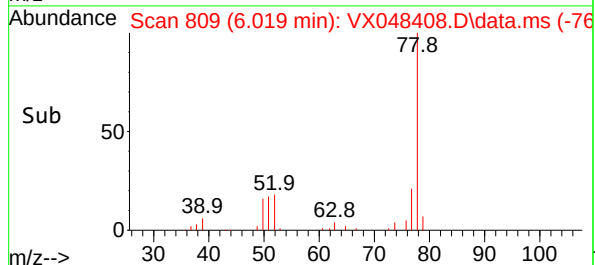
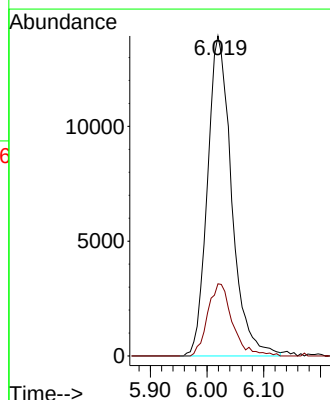
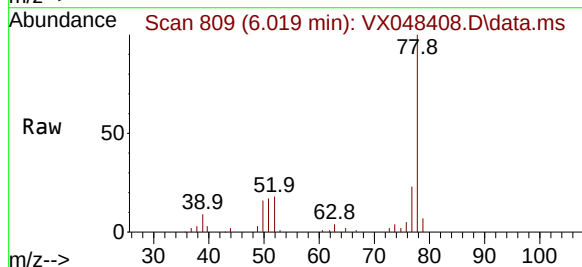
RT: 6.019 min Scan# 809

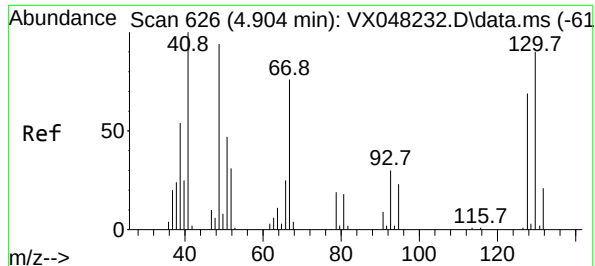
Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 41332 |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 22.5  | 19.3  | 28.9  |





#41

Methacrylonitrile

Concen: 4.479 ug/l

RT: 4.904 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion: 41 Resp: 519

Ion Ratio Lower Upper

41 100

39 56.8 44.0 66.0

67 76.8 58.7 88.1

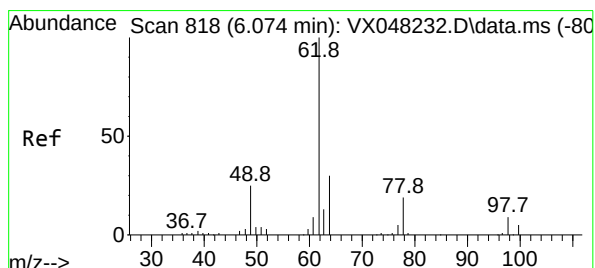
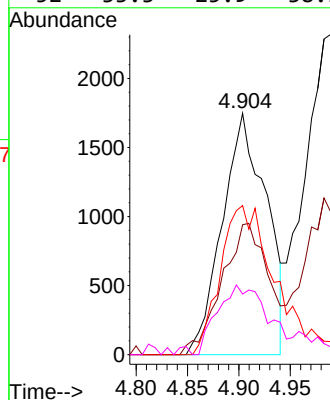
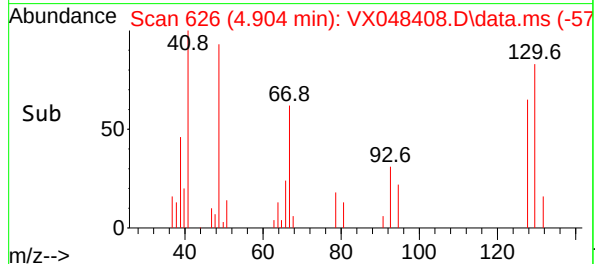
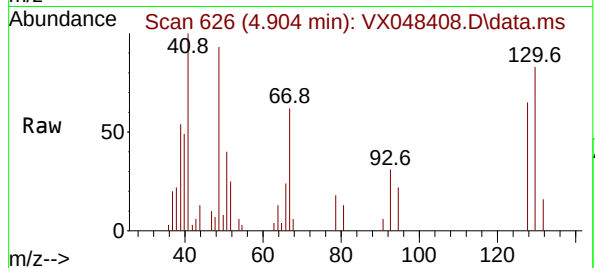
52 33.3 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#42

1,2-Dichloroethane

Concen: 5.045 ug/l

RT: 6.068 min Scan# 817

Delta R.T. -0.006 min

Lab File: VX048408.D

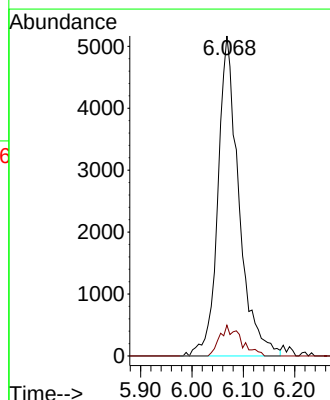
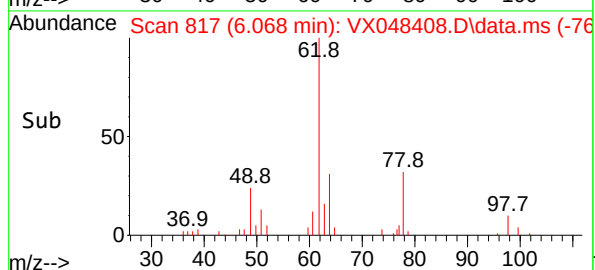
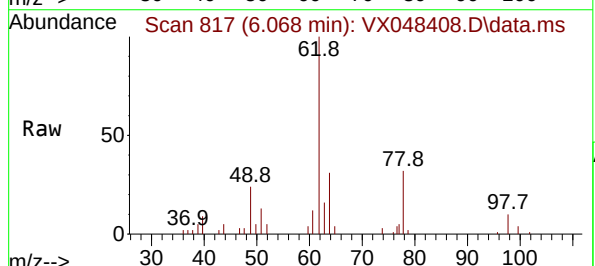
Acq: 29 Oct 2025 11:41

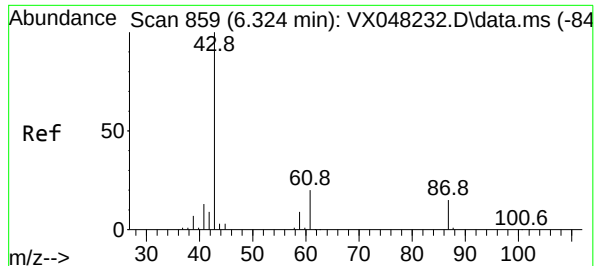
Tgt Ion: 62 Resp: 14675

Ion Ratio Lower Upper

62 100

98 9.6 0.0 17.2





#43

Isopropyl Acetate

Concen: 4.666 ug/l

RT: 6.324 min Scan# 859

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

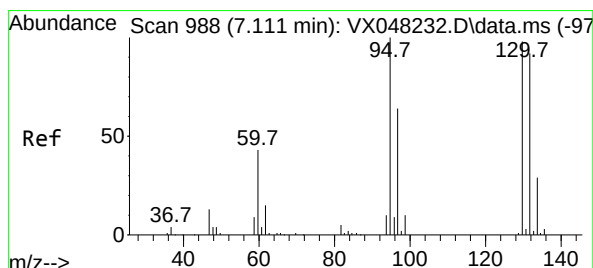
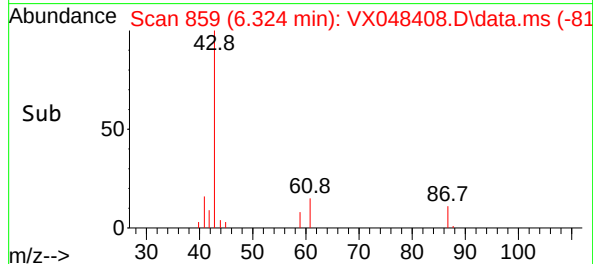
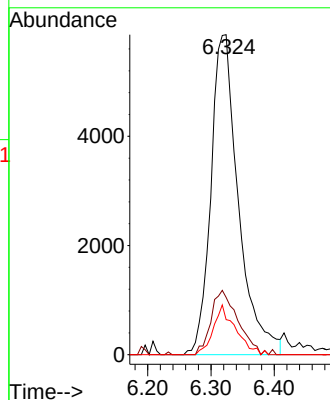
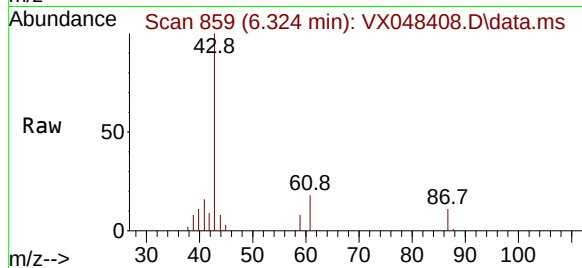
VSTDICC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1774  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 19.6  | 14.9  | 22.3  |
| 87       | 12.6  | 9.4   | 14.2  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#44

Trichloroethene

Concen: 5.208 ug/l

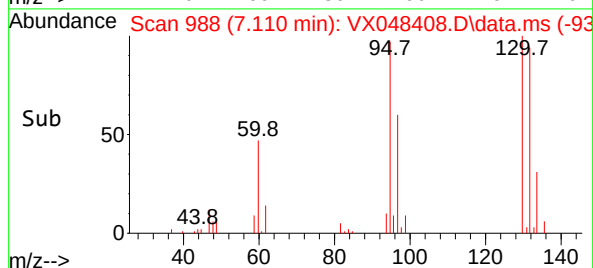
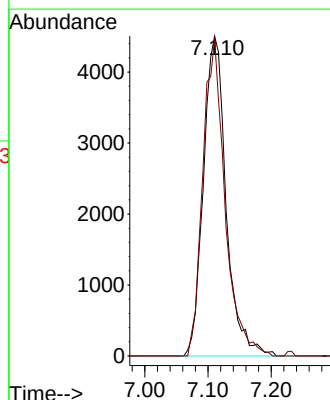
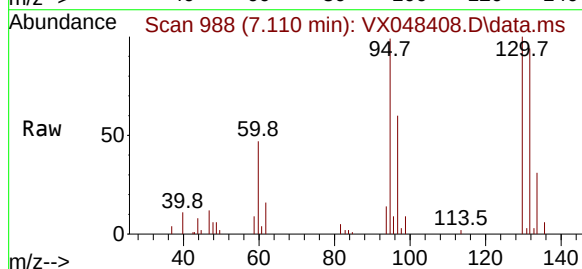
RT: 7.110 min Scan# 988

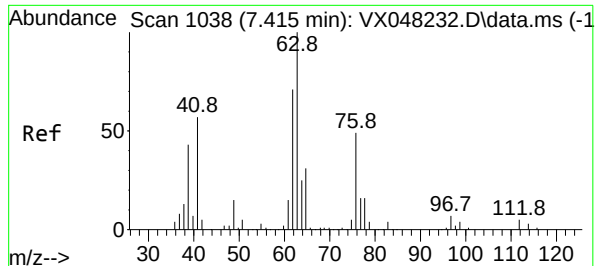
Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 11270 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 108.7 | 0.0   | 200.6 |





#45

1,2-Dichloropropane

Concen: 4.887 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 1008

Ion Ratio Lower Upper

63 100

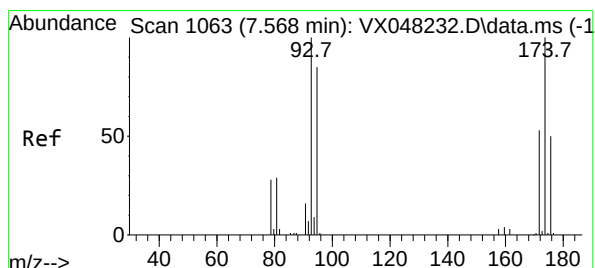
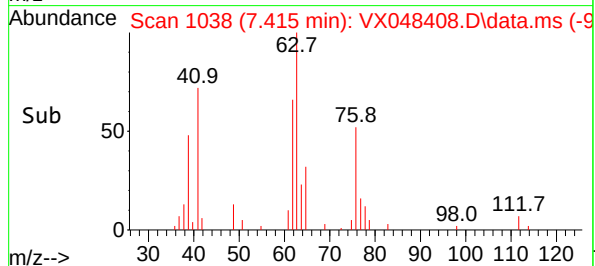
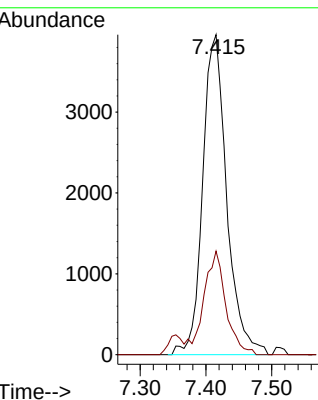
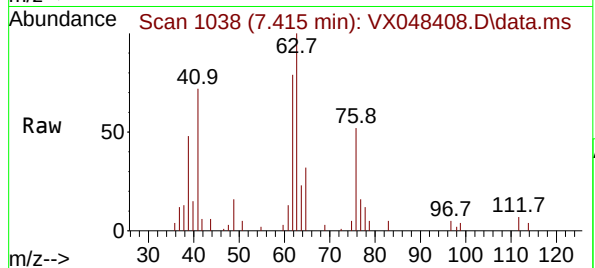
65 32.3 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#46

Dibromomethane

Concen: 5.087 ug/l

RT: 7.562 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

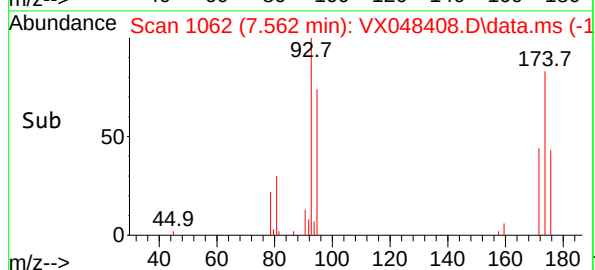
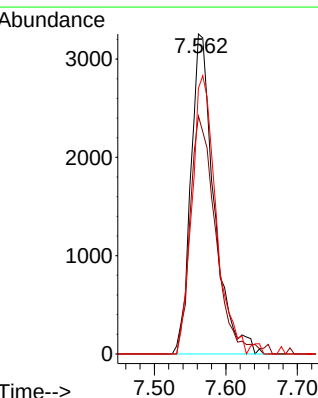
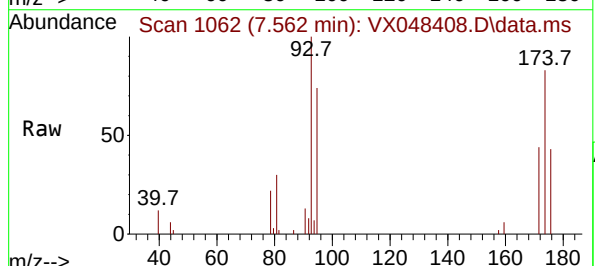
Tgt Ion: 93 Resp: 7346

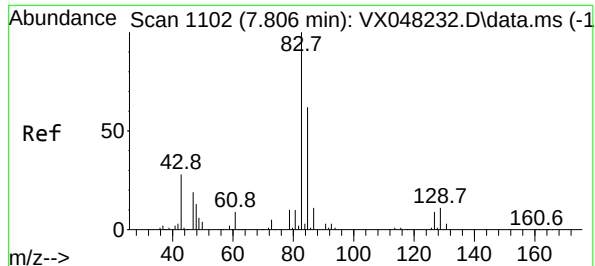
Ion Ratio Lower Upper

93 100

95 81.7 65.9 98.9

174 89.7 71.7 107.5





#47

Bromodichloromethane

Concen: 5.086 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

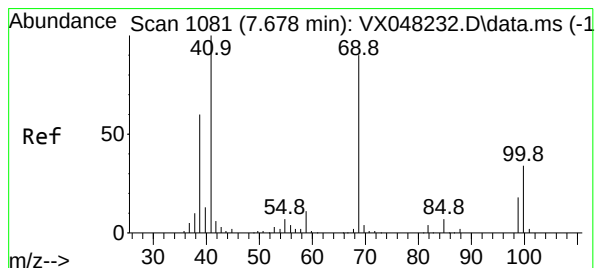
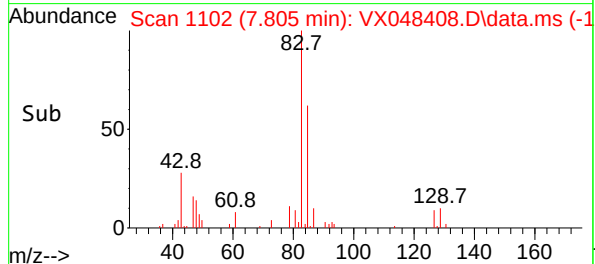
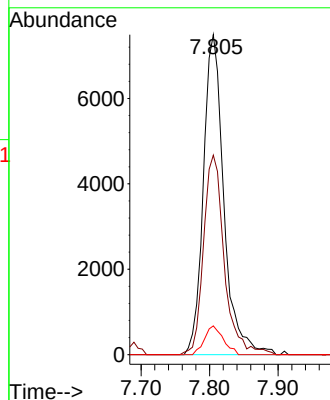
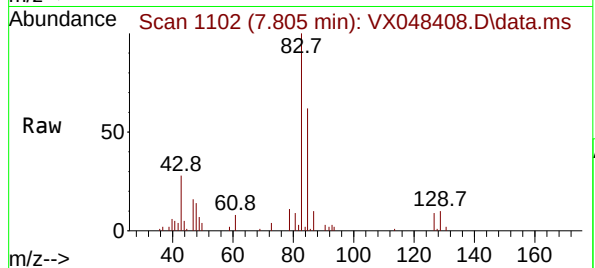
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 1560  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.1  | 52.2  | 78.4  |
| 127      | 9.0   | 7.3   | 10.9  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#48

Methyl methacrylate

Concen: 4.649 ug/l

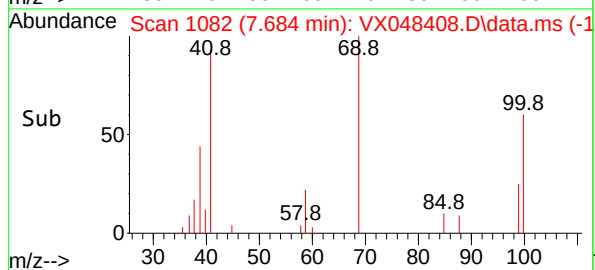
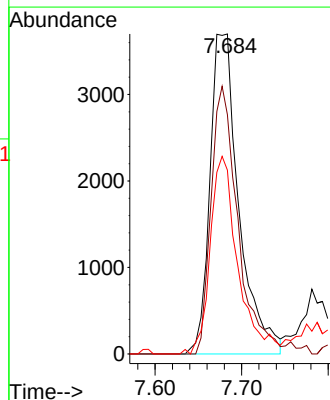
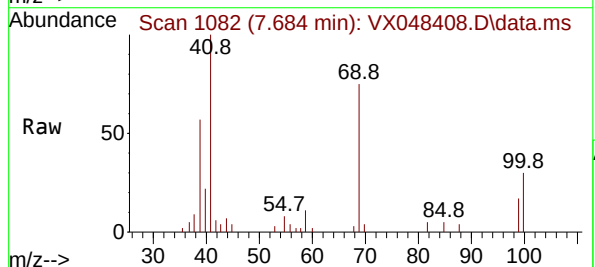
RT: 7.684 min Scan# 1082

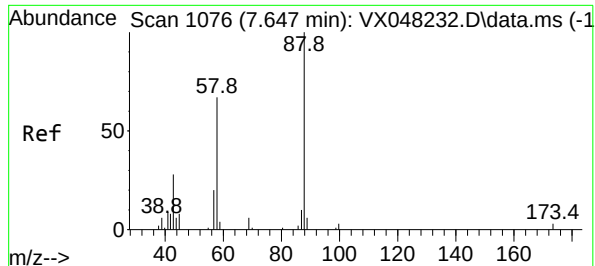
Delta R.T. 0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 8621  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 77.7  | 63.4  | 95.0  |
| 39       | 58.6  | 47.1  | 70.7  |





#49

1,4-Dioxane

Concen: 94.031 ug/l

RT: 7.641 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

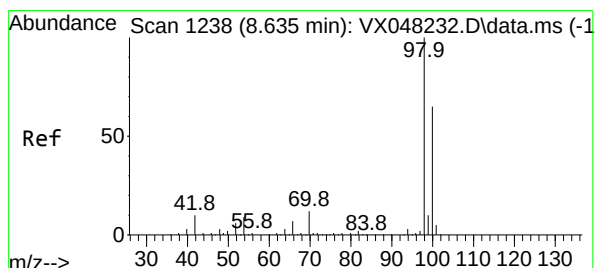
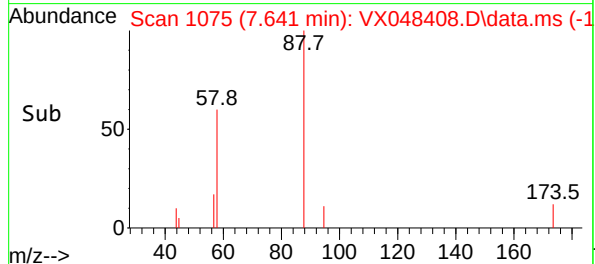
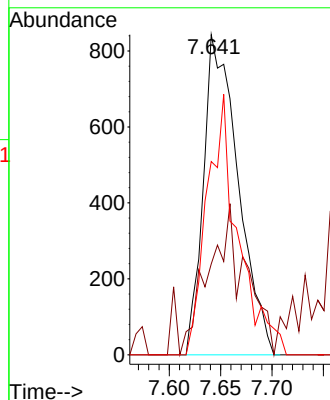
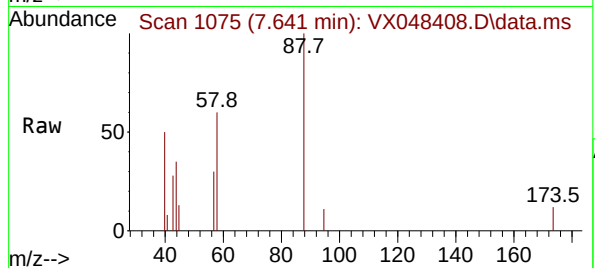
VSTDICC005

| Tgt Ion | 88    | Resp  | 198   |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 50.6  | 35.0  | 52.4  |
| 58      | 72.8  | 61.9  | 92.9  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#50

Toluene-d8

Concen: 5.298 ug/l

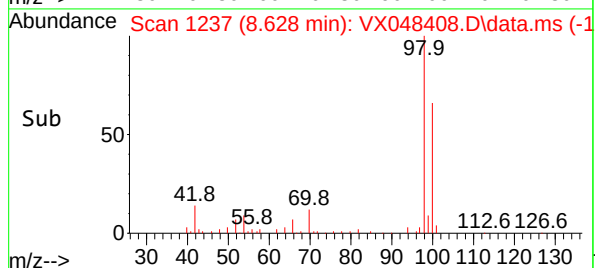
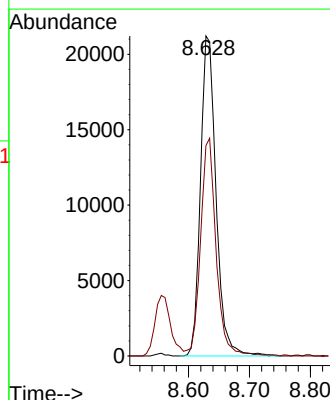
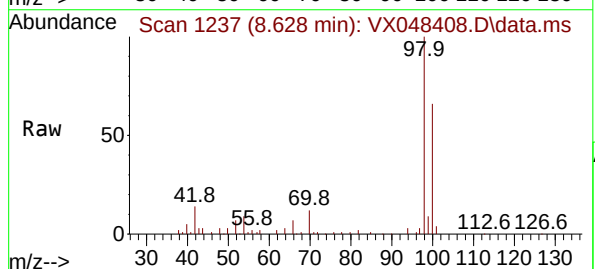
RT: 8.628 min Scan# 1237

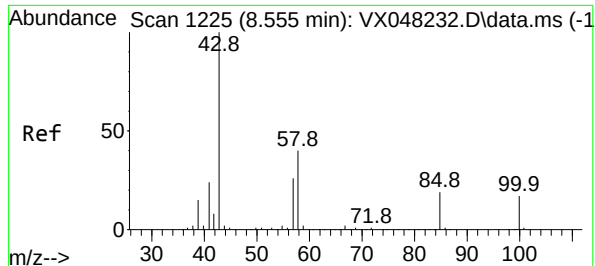
Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

| Tgt Ion | 98    | Resp  | 37648 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 98      | 100   |       |       |
| 100     | 67.2  | 53.0  | 79.4  |





#51

4-Methyl-2-Pentanone

Concen: 23.712 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 5018

Ion Ratio Lower Upper

43 100

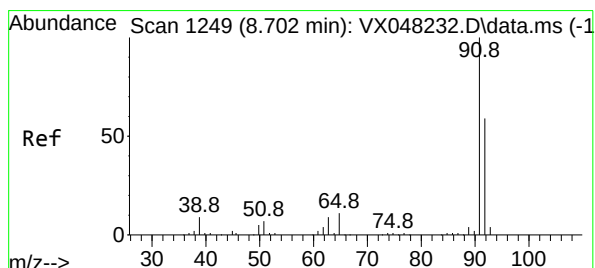
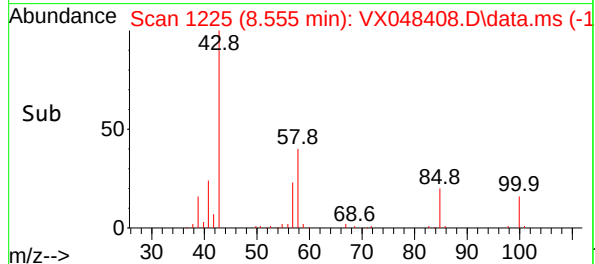
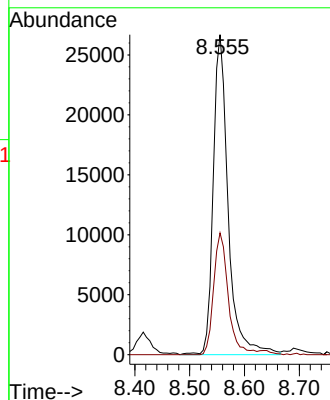
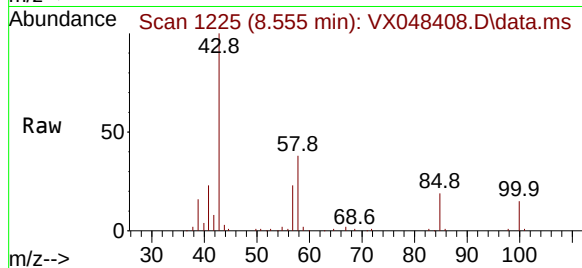
58 37.2 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#52

Toluene

Concen: 5.021 ug/l

RT: 8.702 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VX048408.D

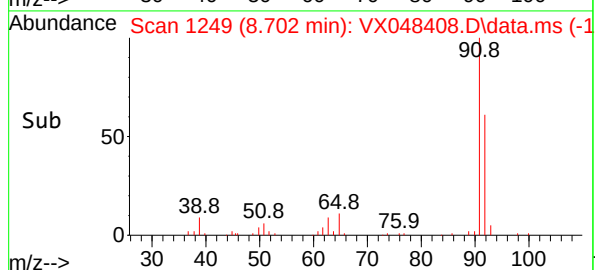
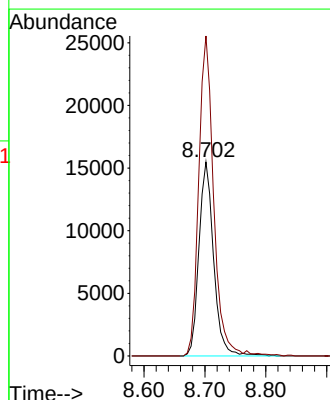
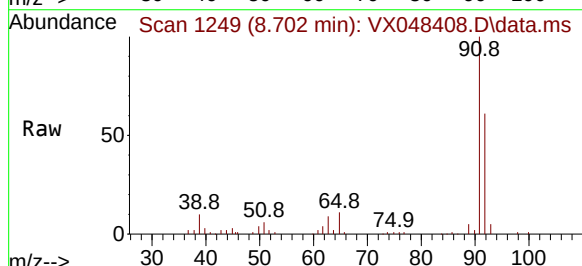
Acq: 29 Oct 2025 11:41

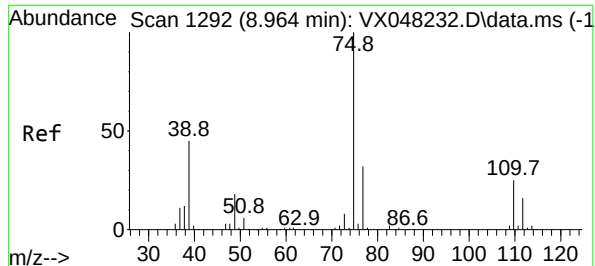
Tgt Ion: 92 Resp: 25912

Ion Ratio Lower Upper

92 100

91 168.0 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 4.988 ug/l

RT: 8.964 min Scan# 1191

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 1387

Ion Ratio Lower Upper

75 100

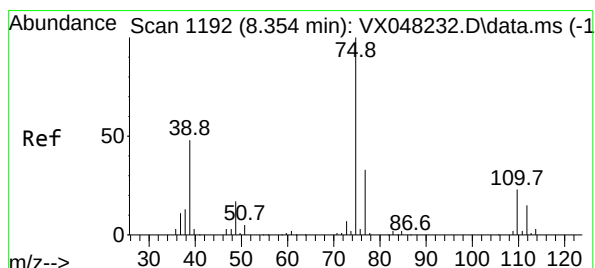
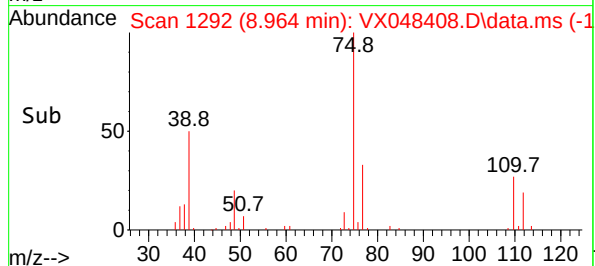
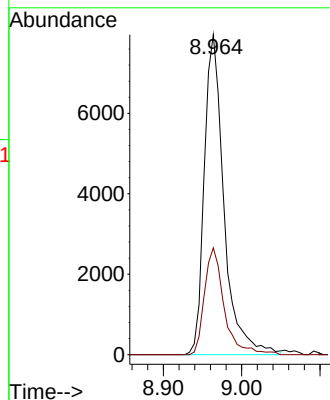
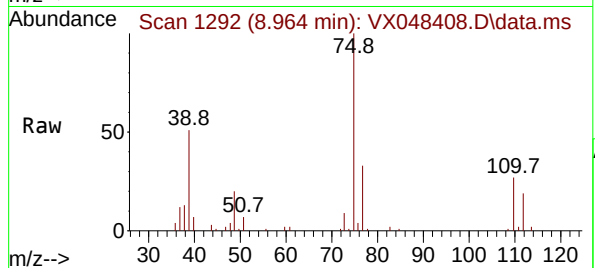
77 33.4 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#54

cis-1,3-Dichloropropene

Concen: 4.947 ug/l

RT: 8.348 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

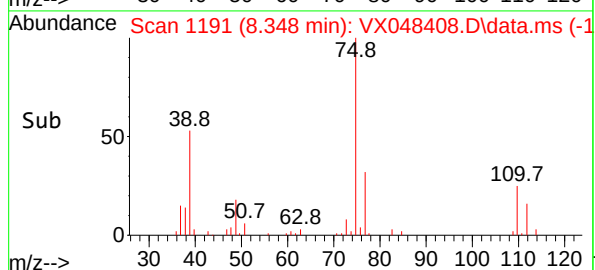
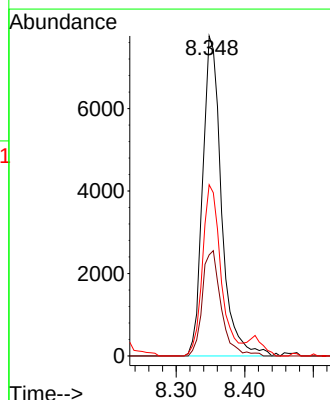
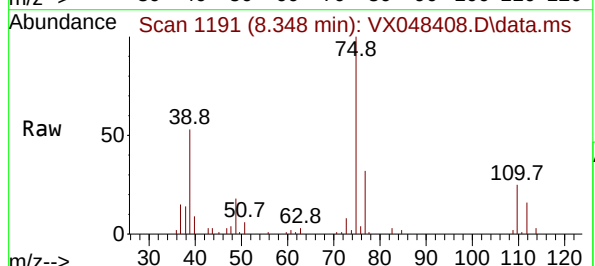
Tgt Ion: 75 Resp: 14823

Ion Ratio Lower Upper

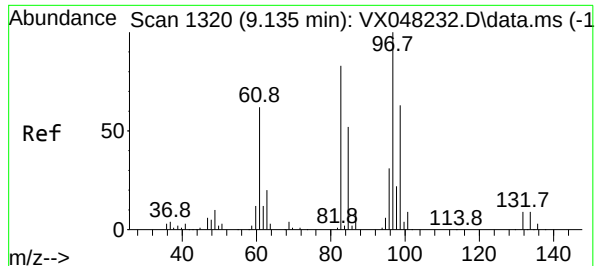
75 100

77 32.3 24.9 37.3

39 53.5 42.6 64.0







#55

1,1,2-Trichloroethane

Concen: 4.989 ug/l

RT: 9.134 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion: 97 Resp: 931

Ion Ratio Lower Upper

97 100

83 79.4 70.6 105.8

85 53.6 45.0 67.6

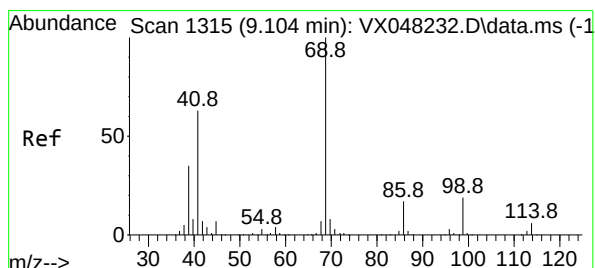
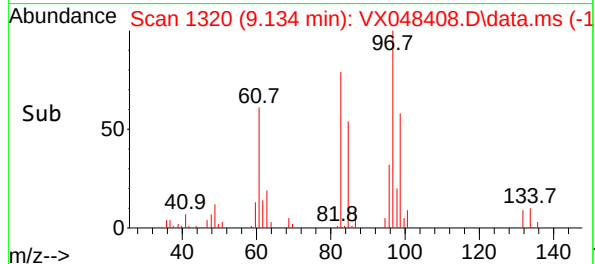
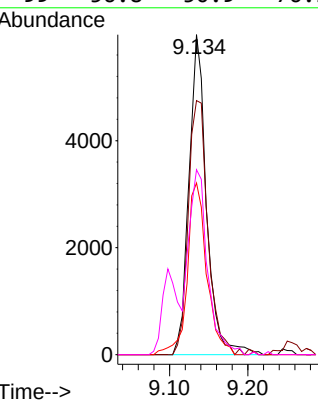
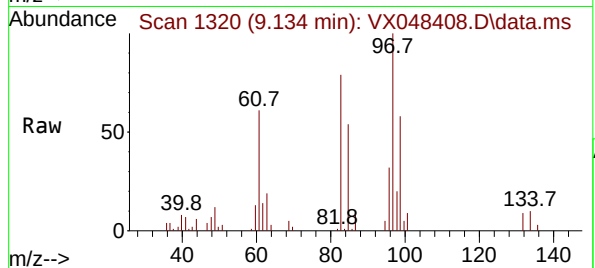
99 56.8 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#56

Ethyl methacrylate

Concen: 4.527 ug/l

RT: 9.098 min Scan# 1314

Delta R.T. -0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

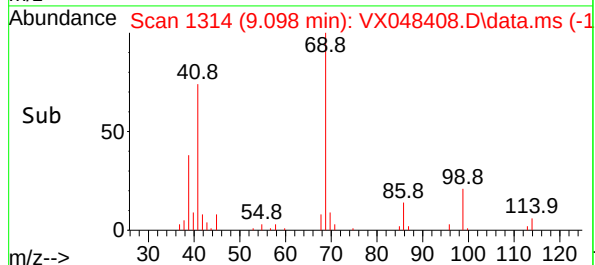
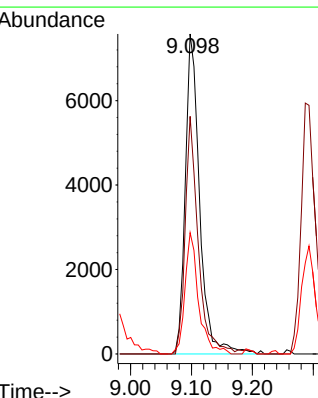
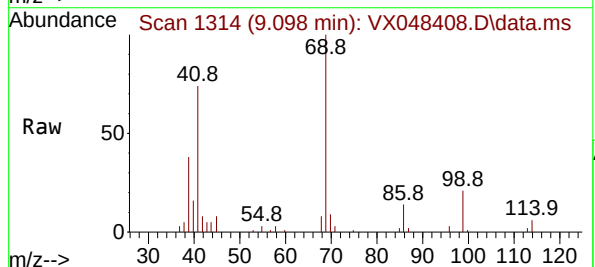
Tgt Ion: 69 Resp: 12380

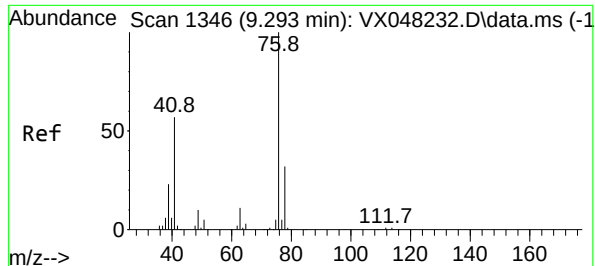
Ion Ratio Lower Upper

69 100

41 67.3 56.0 84.0

39 35.9 31.6 47.4





#57

1,3-Dichloropropane

Concen: 5.054 ug/l

RT: 9.293 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 1636

Ion Ratio Lower Upper

76 100

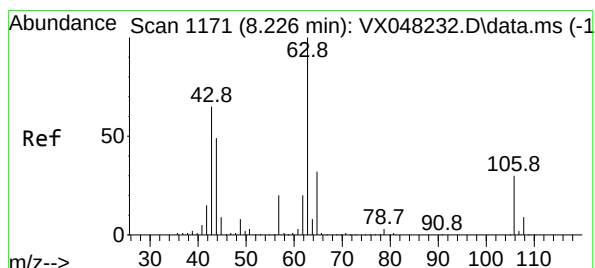
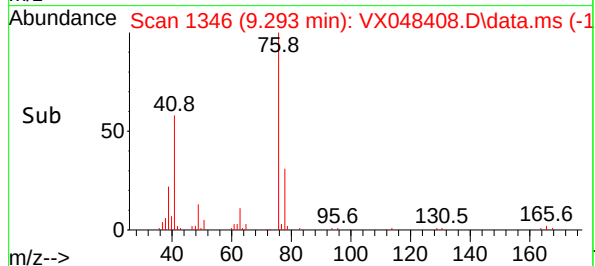
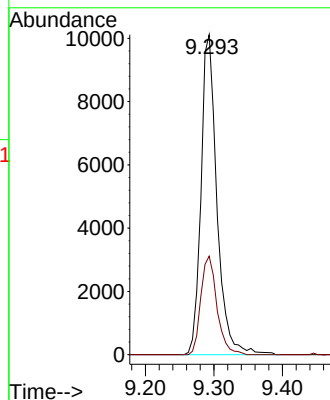
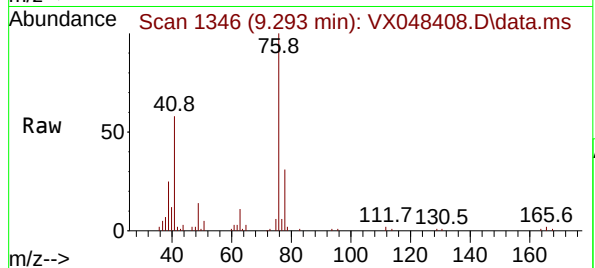
78 31.2 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#58

2-Chloroethyl Vinyl ether

Concen: 27.358 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX048408.D

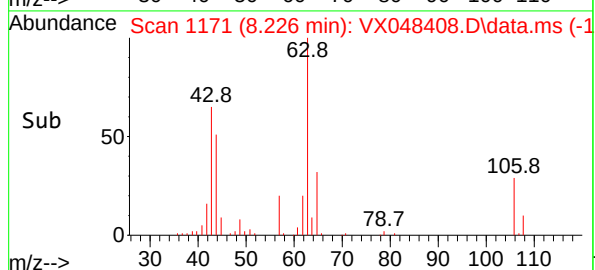
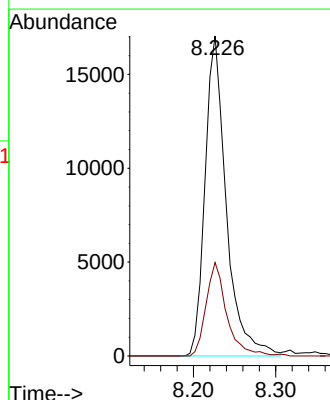
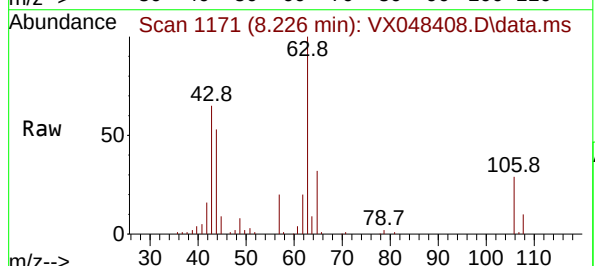
Acq: 29 Oct 2025 11:41

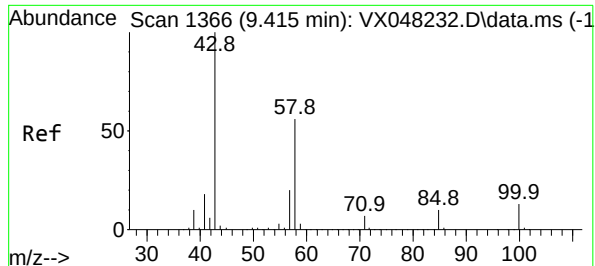
Tgt Ion: 63 Resp: 30558

Ion Ratio Lower Upper

63 100

106 28.5 22.2 33.2





#59

2-Hexanone

Concen: 22.254 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 3064

Ion Ratio Lower Upper

43 100

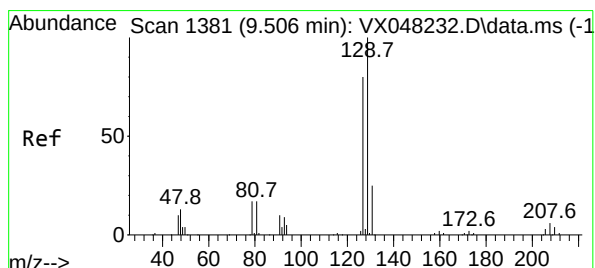
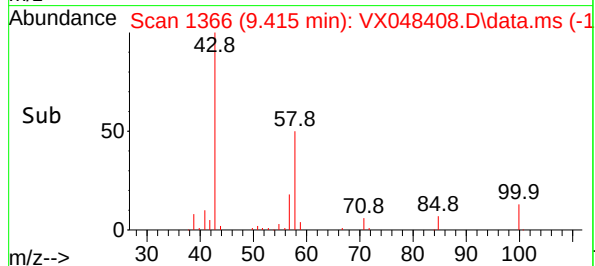
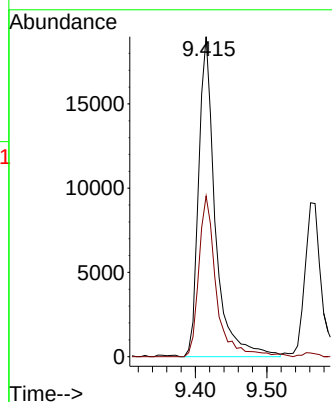
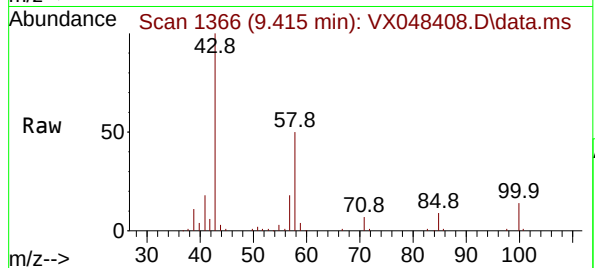
58 52.8 26.3 78.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#60

Dibromochloromethane

Concen: 4.987 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VX048408.D

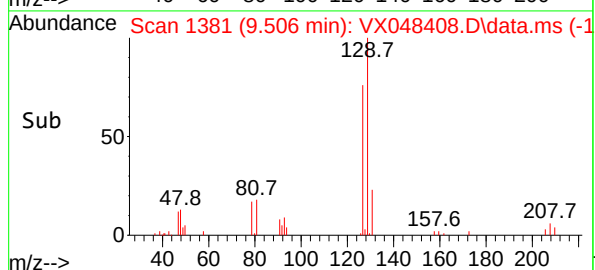
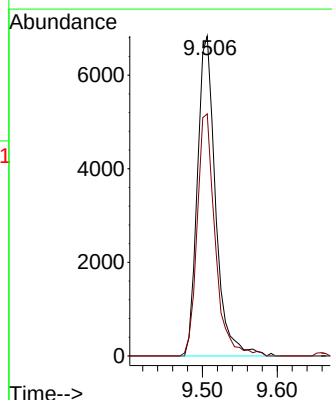
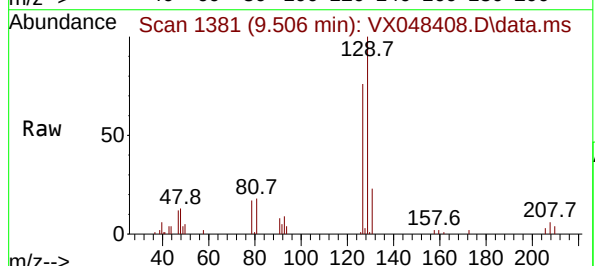
Acq: 29 Oct 2025 11:41

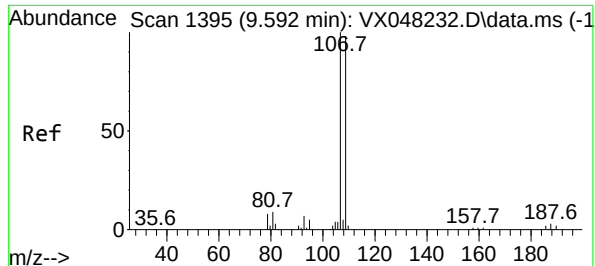
Tgt Ion:129 Resp: 11519

Ion Ratio Lower Upper

129 100

127 75.3 38.6 115.7





#61

1,2-Dibromoethane

Concen: 4.938 ug/l

RT: 9.592 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion:107 Resp: 9540

Ion Ratio Lower Upper

107 100

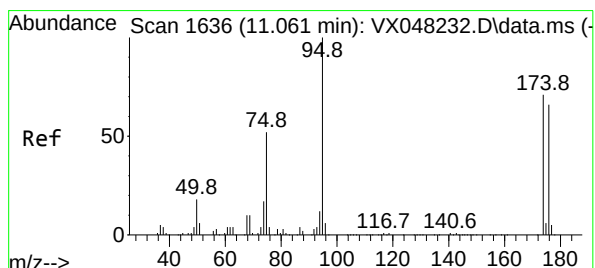
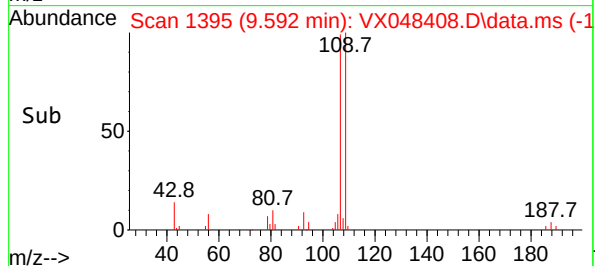
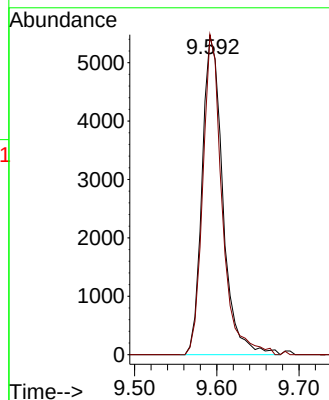
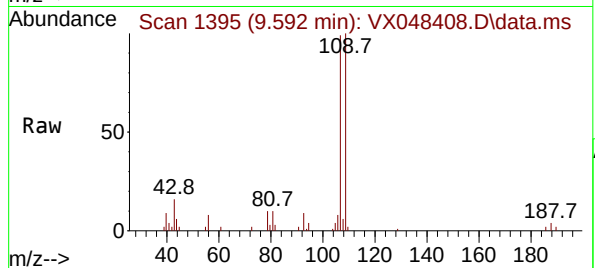
109 93.3 77.0 115.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#62

4-Bromofluorobenzene

Concen: 5.707 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. 0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

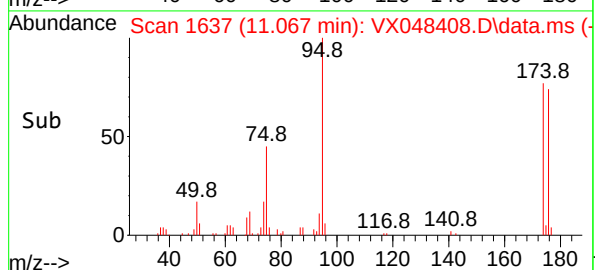
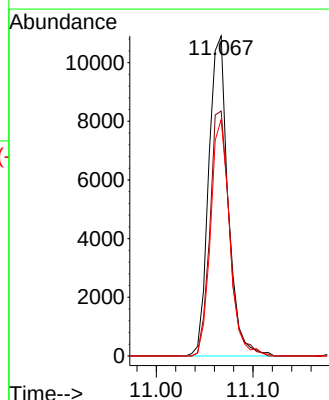
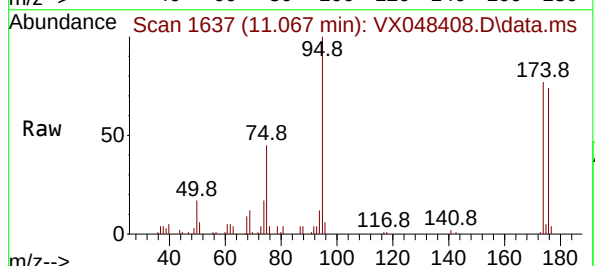
Tgt Ion: 95 Resp: 15170

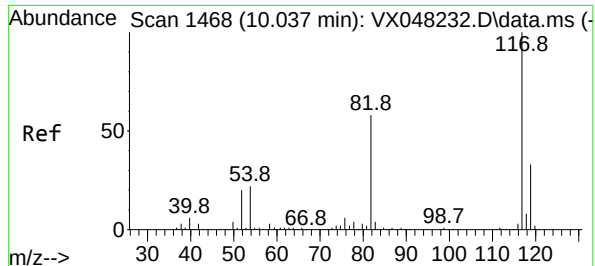
Ion Ratio Lower Upper

95 100

174 77.5 0.0 147.8

176 72.6 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion:117 Resp: 25636

Ion Ratio Lower Upper

117 100

82 55.5 46.5 69.7

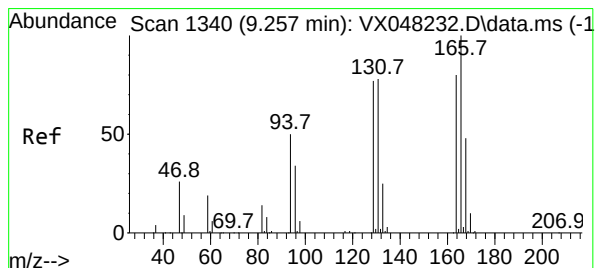
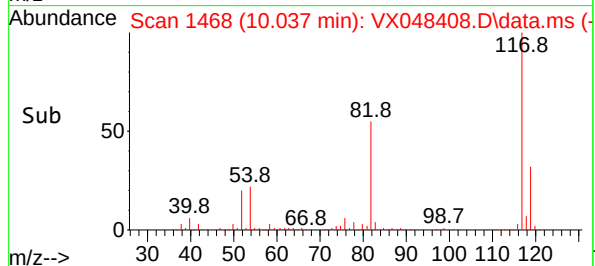
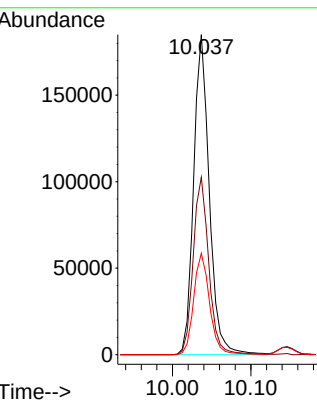
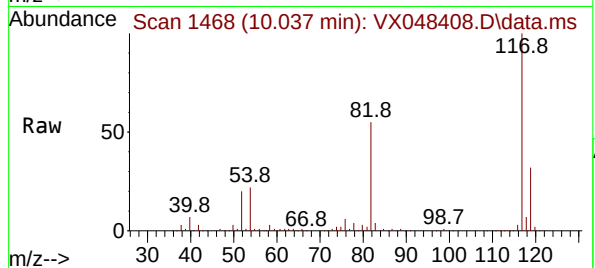
119 31.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#64

Tetrachloroethene

Concen: 5.098 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Tgt Ion:164 Resp: 10526

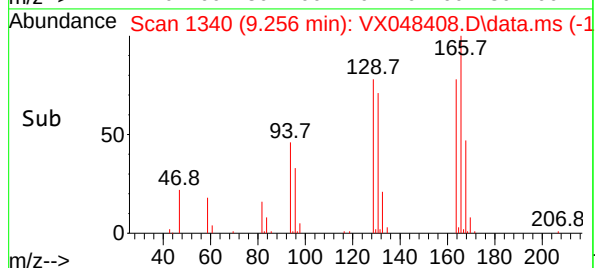
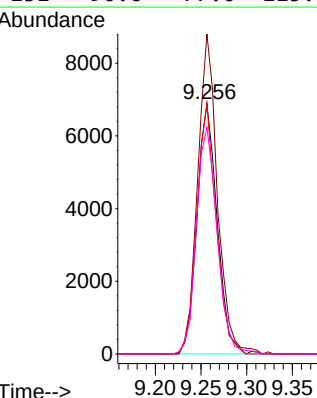
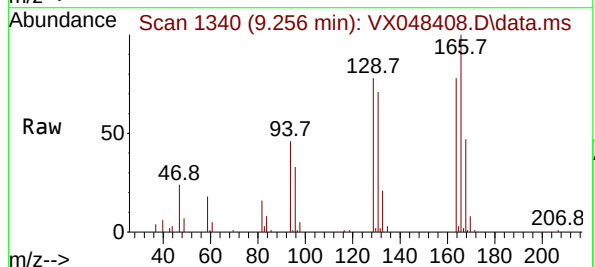
Ion Ratio Lower Upper

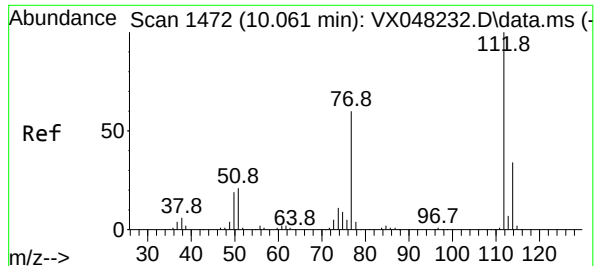
164 100

166 127.9 104.5 156.7

129 100.1 81.8 122.6

131 90.6 77.0 115.6





#65

Chlorobenzene

Concen: 5.096 ug/l

RT: 10.061 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 3009

Ion Ratio Lower Upper

112 100

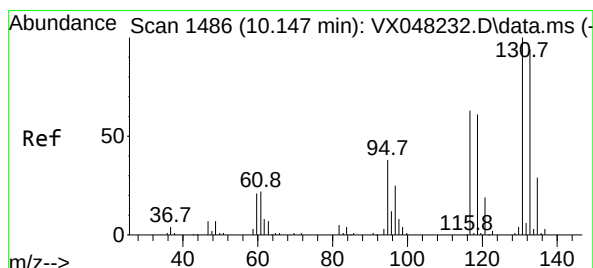
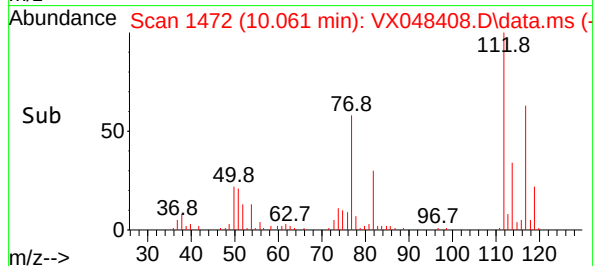
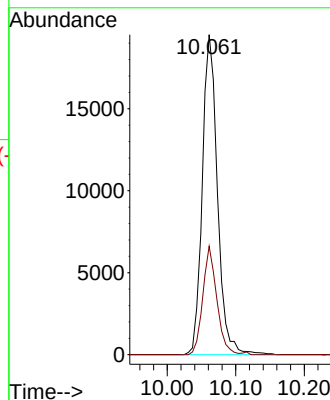
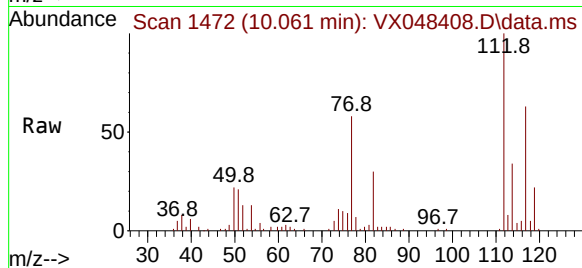
114 33.9 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 4.937 ug/l

RT: 10.146 min Scan# 1486

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

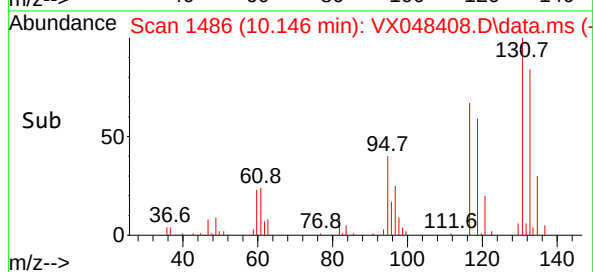
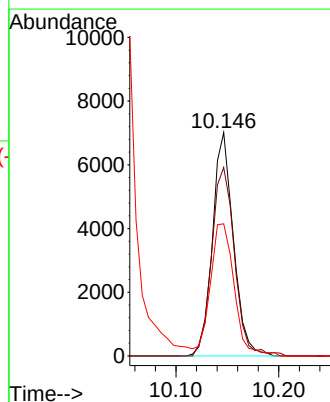
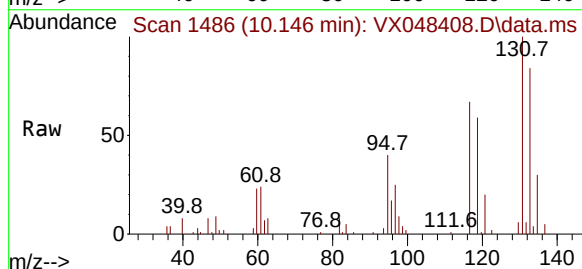
Tgt Ion:131 Resp: 9919

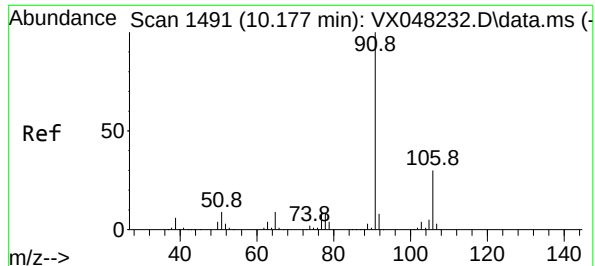
Ion Ratio Lower Upper

131 100

133 92.2 47.6 142.8

119 67.3 32.5 97.5





#67

Ethyl Benzene

Concen: 4.921 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 48940

Ion Ratio Lower Upper

91 100

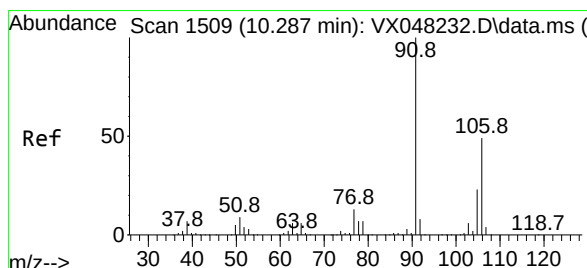
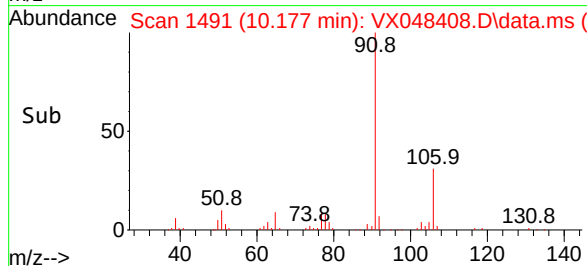
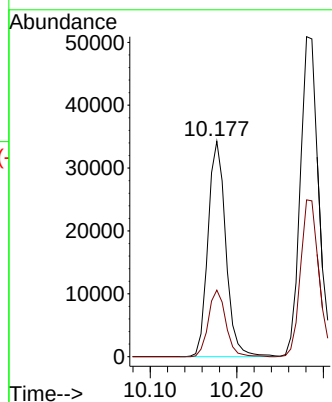
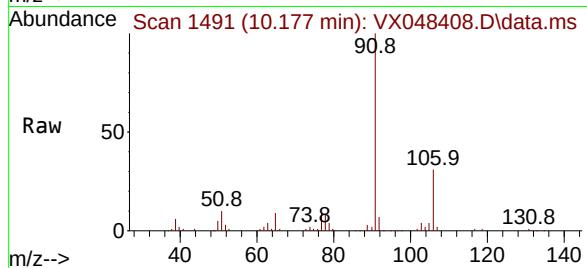
106 30.9 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#68

m/p-Xylenes

Concen: 9.954 ug/l

RT: 10.281 min Scan# 1508

Delta R.T. -0.006 min

Lab File: VX048408.D

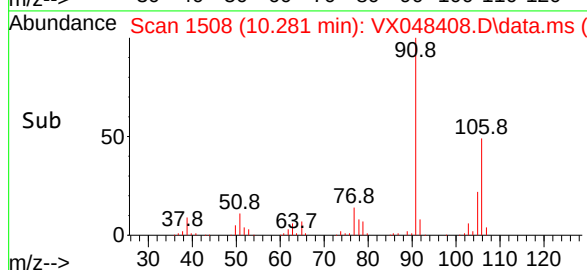
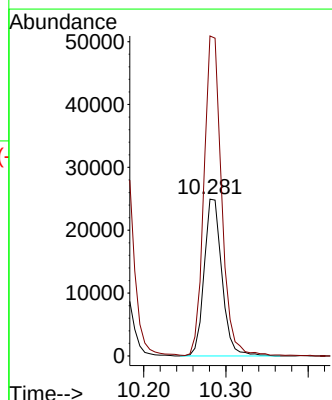
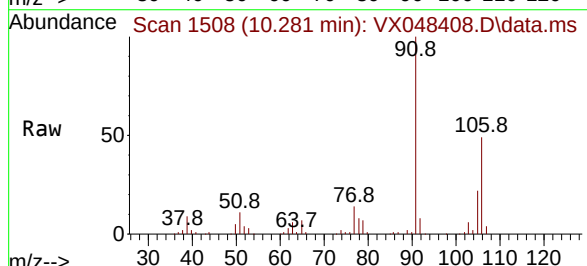
Acq: 29 Oct 2025 11:41

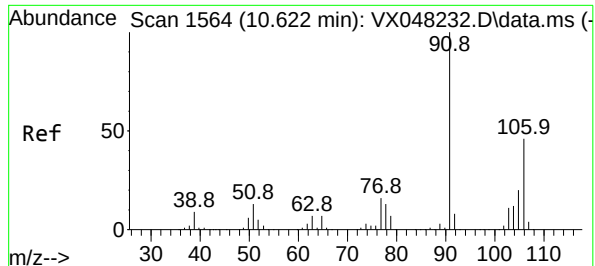
Tgt Ion:106 Resp: 37478

Ion Ratio Lower Upper

106 100

91 203.1 167.9 251.9





#69

o-Xylene

Concen: 4.907 ug/l

RT: 10.628 min Scan# 1564

Delta R.T. 0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 1765

Ion Ratio Lower Upper

106 100

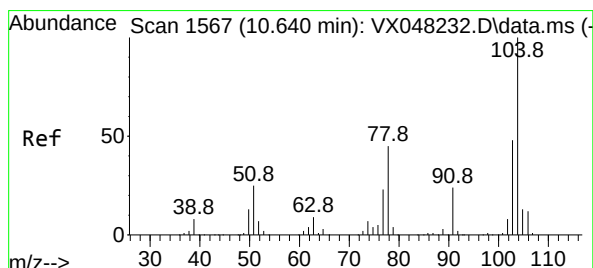
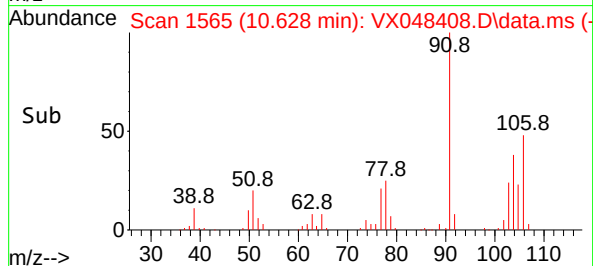
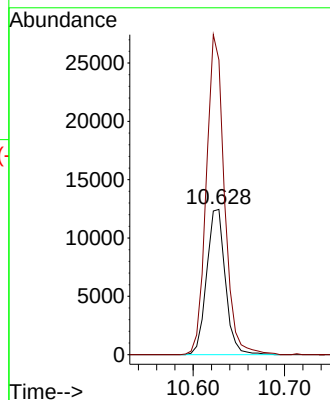
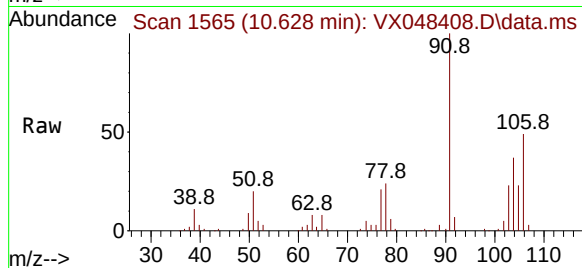
91 213.4 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#70

Styrene

Concen: 4.790 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

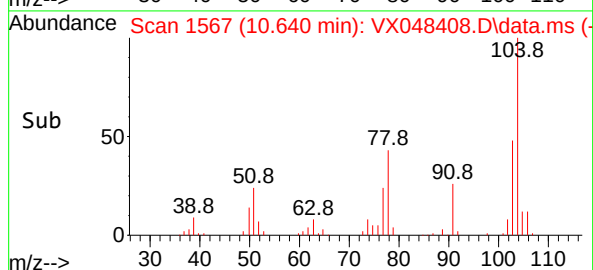
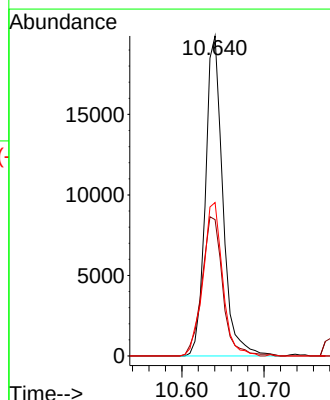
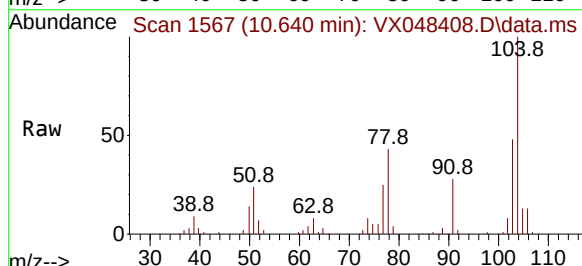
Tgt Ion:104 Resp: 29194

Ion Ratio Lower Upper

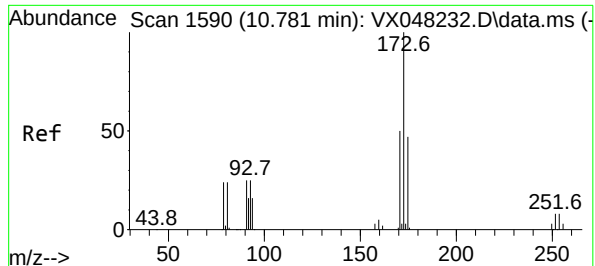
104 100

78 51.8 42.2 63.4

103 54.0 43.0 64.4

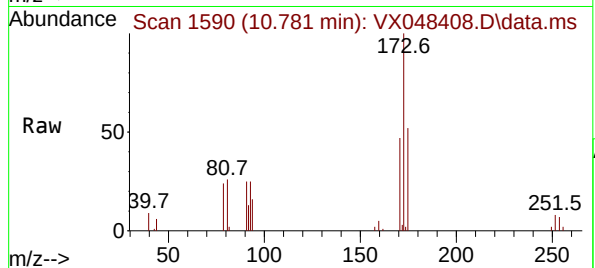






#71  
Bromoform  
Concen: 4.732 ug/l  
RT: 10.781 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

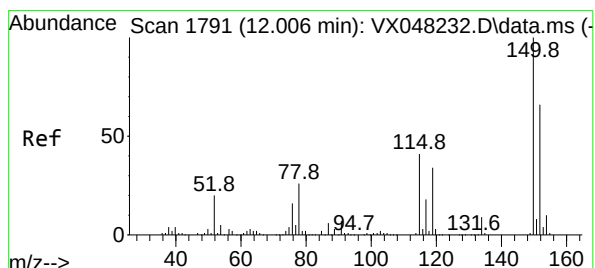
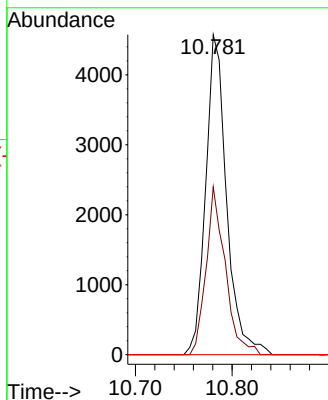
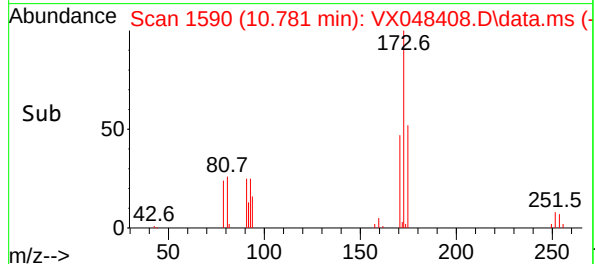
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005



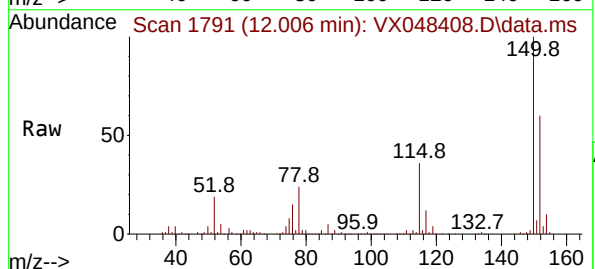
Tgt Ion:173 Resp: 687  
Ion Ratio Lower Upper  
173 100  
175 48.2 24.0 72.0  
254 0.0 0.0 0.0

Manual Integrations  
APPROVED

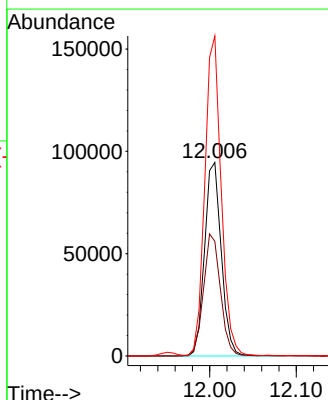
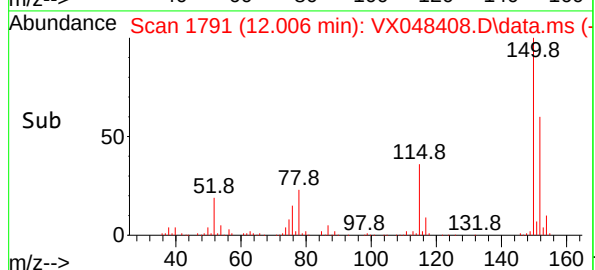
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

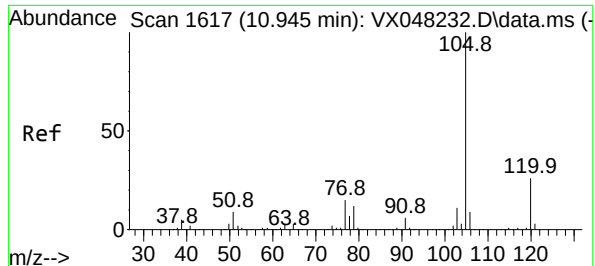


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41



Tgt Ion:152 Resp: 126812  
Ion Ratio Lower Upper  
152 100  
115 64.0 43.1 129.4  
150 160.8 0.0 353.0





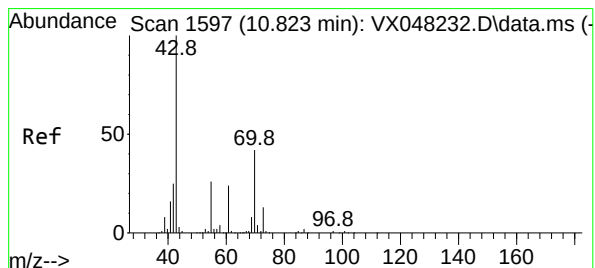
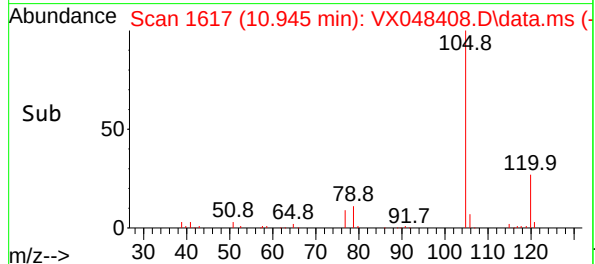
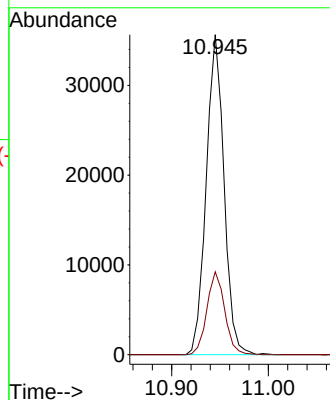
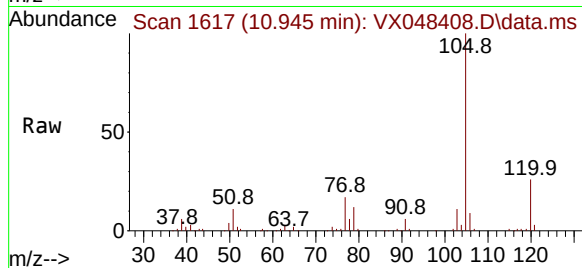
#73  
Isopropylbenzene  
Concen: 4.866 ug/l  
RT: 10.945 min Scan# 105  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion:105 Resp: 45638  
Ion Ratio Lower Upper  
105 100  
120 26.0 13.0 38.9

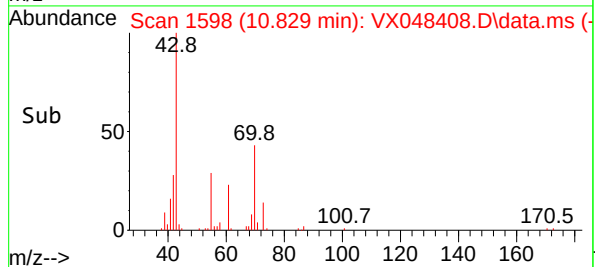
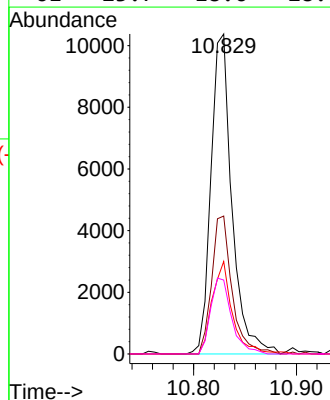
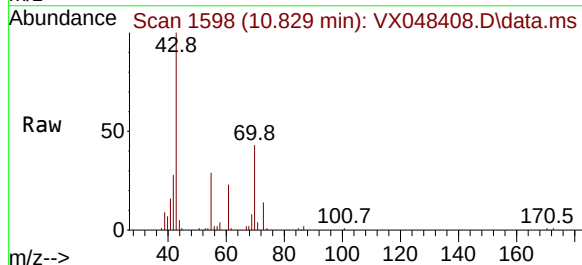
Manual Integrations  
APPROVED

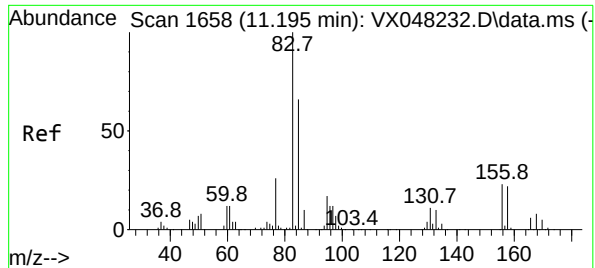
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#74  
N-ethyl acetate  
Concen: 4.397 ug/l  
RT: 10.829 min Scan# 1598  
Delta R.T. 0.006 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Tgt Ion: 43 Resp: 14713  
Ion Ratio Lower Upper  
43 100  
70 41.8 32.2 48.2  
55 27.8 19.1 28.7  
61 23.7 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.904 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

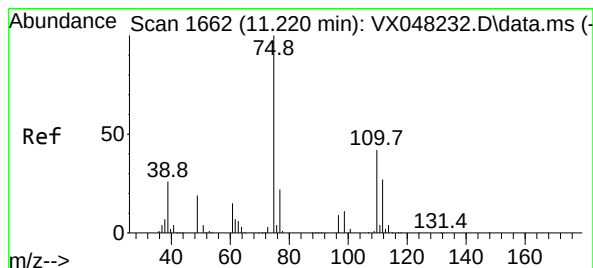
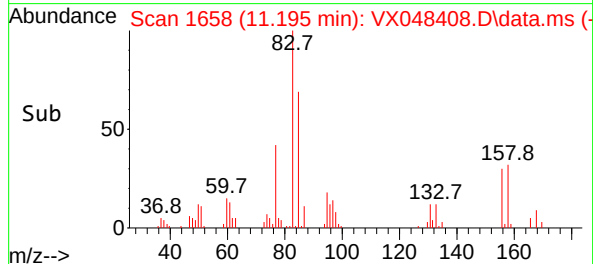
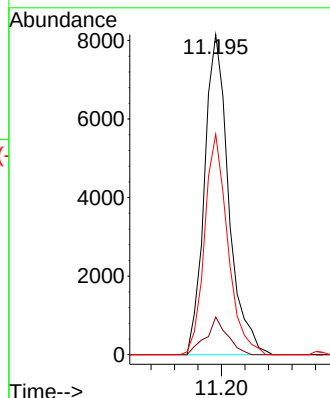
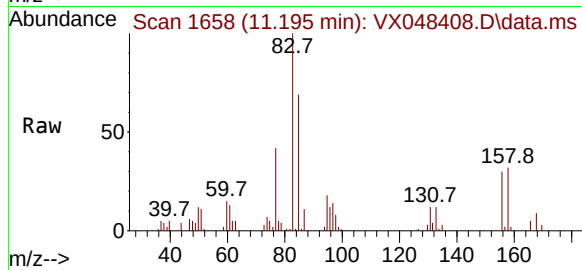
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 11650 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 10.4  | 4.8   | 14.4  |
| 85       | 66.0  | 31.9  | 95.7  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#76

1,2,3-Trichloropropane

Concen: 4.500 ug/l m

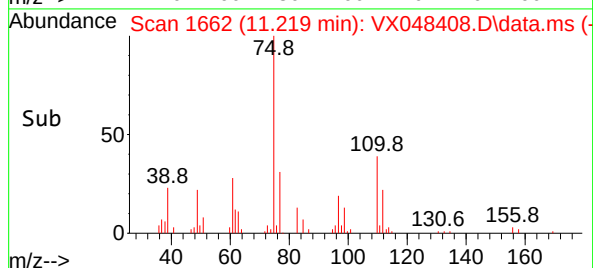
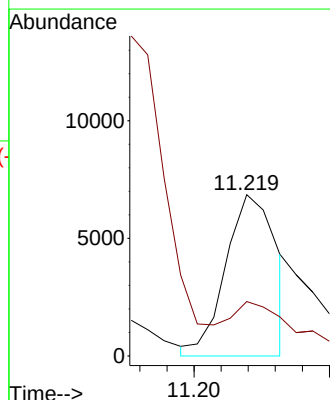
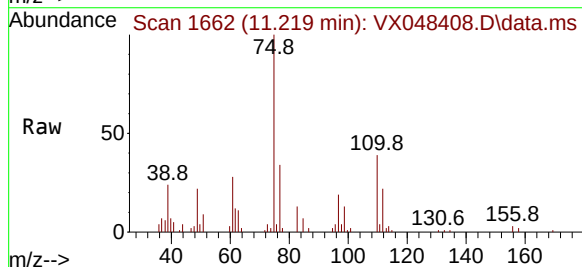
RT: 11.219 min Scan# 1662

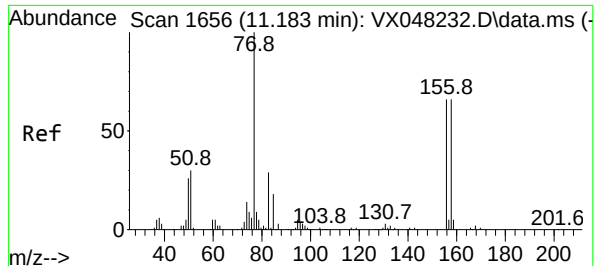
Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

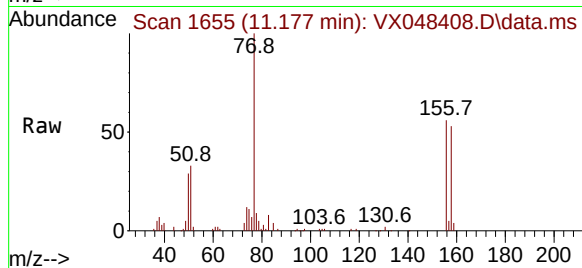
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 8901  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 44.2  | 22.4  | 67.2  |





#77  
Bromobenzene  
Concen: 4.945 ug/l  
RT: 11.177 min Scan# 1655  
Delta R.T. -0.006 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

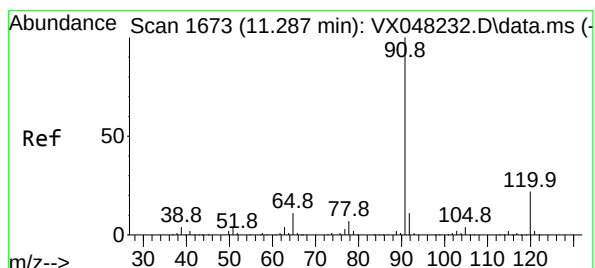
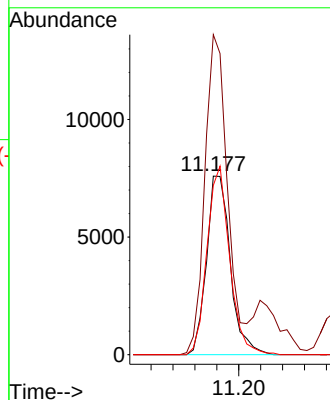
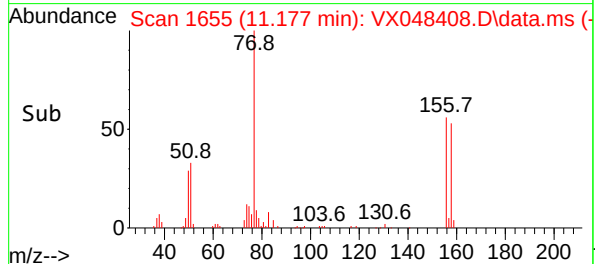
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005



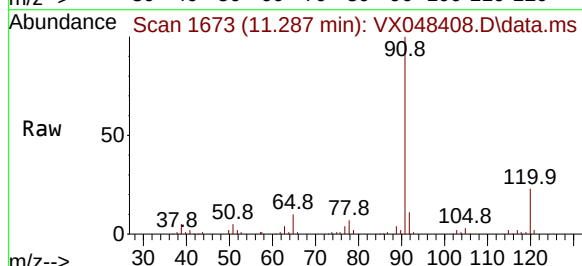
Tgt Ion: 156 Resp: 11458  
Ion Ratio Lower Upper  
156 100  
77 170.8 87.0 261.0  
158 100.2 47.8 143.4

Manual Integrations  
APPROVED

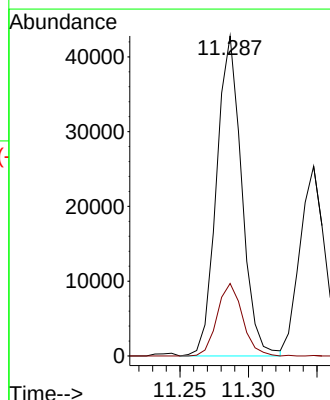
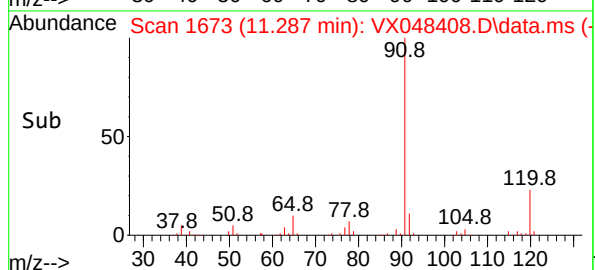
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

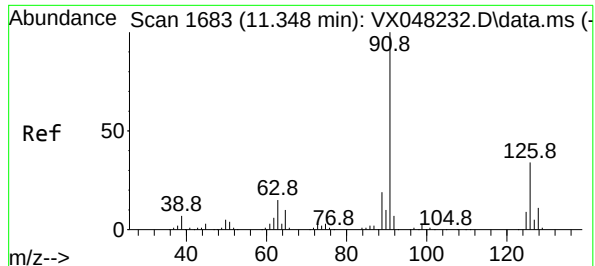


#78  
n-propylbenzene  
Concen: 4.927 ug/l  
RT: 11.287 min Scan# 1673  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41



Tgt Ion: 91 Resp: 54619  
Ion Ratio Lower Upper  
91 100  
120 22.8 11.1 33.1





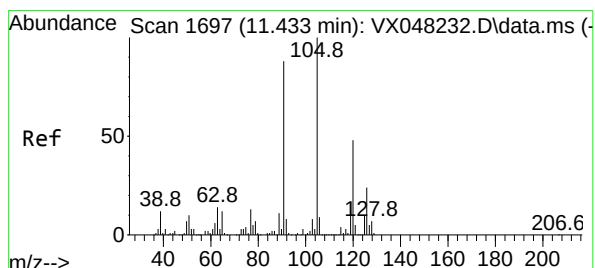
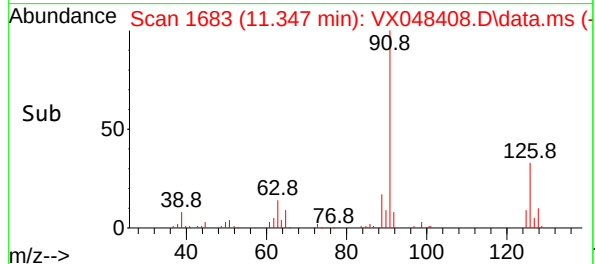
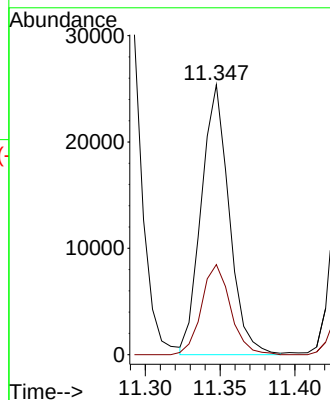
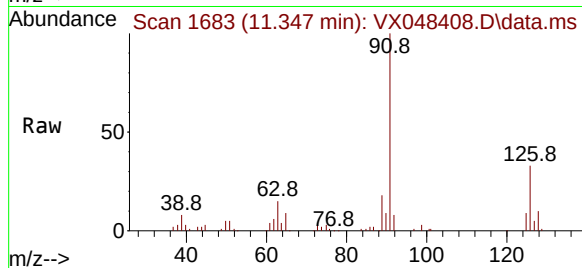
#79  
2-Chlorotoluene  
Concen: 4.949 ug/l  
RT: 11.347 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion: 91 Resp: 32940  
Ion Ratio Lower Upper  
91 100  
126 34.7 16.4 49.4

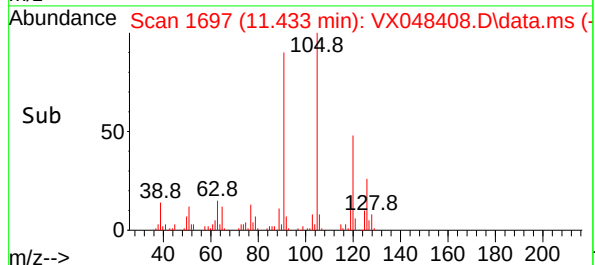
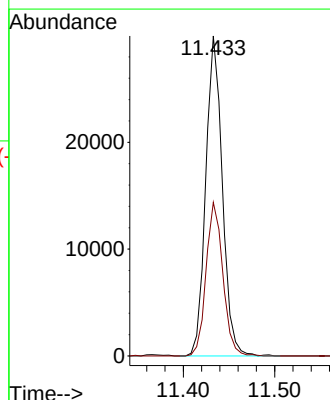
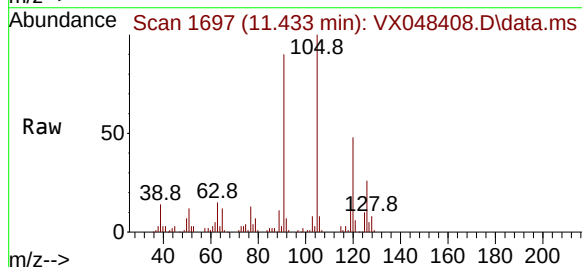
Manual Integrations  
APPROVED

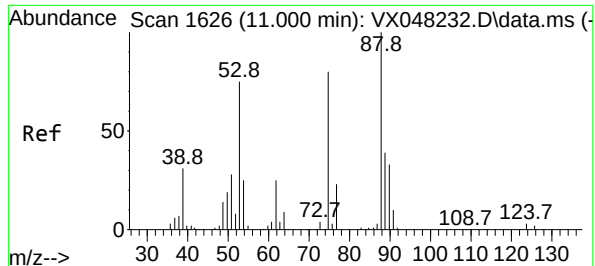
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#80  
1,3,5-Trimethylbenzene  
Concen: 4.904 ug/l  
RT: 11.433 min Scan# 1697  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Tgt Ion:105 Resp: 37702  
Ion Ratio Lower Upper  
105 100  
120 48.6 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.592 ug/l

RT: 11.000 min Scan# 1626

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

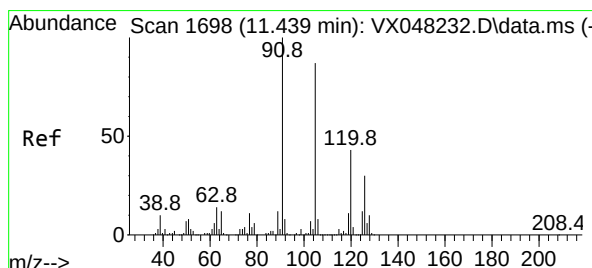
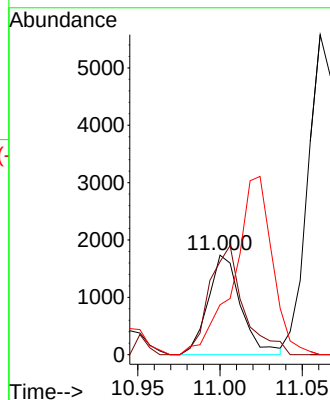
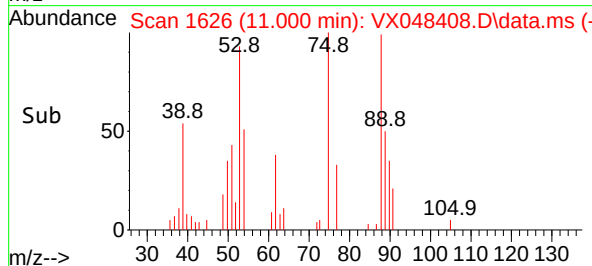
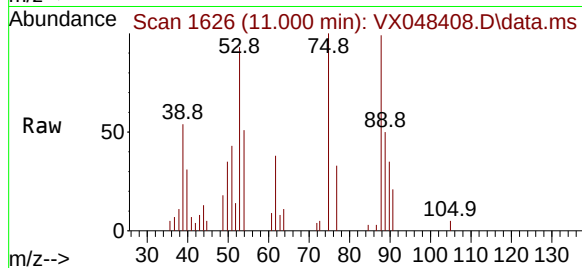
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 2420  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 114.5 | 79.5  | 119.3 |
| 89        | 0.0   | 36.8  | 55.2  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#82

4-Chlorotoluene

Concen: 5.032 ug/l

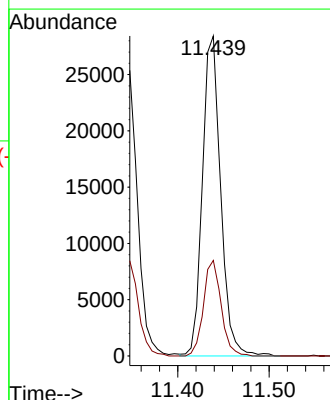
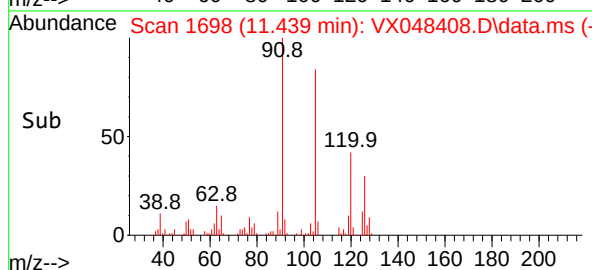
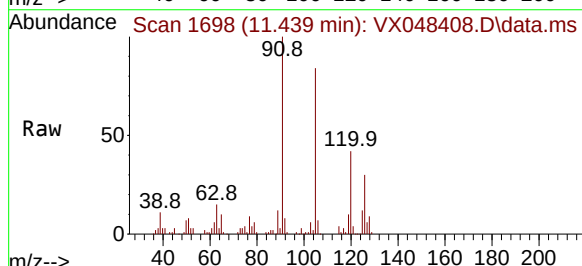
RT: 11.439 min Scan# 1698

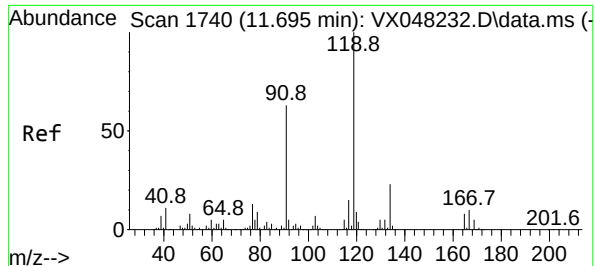
Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 39376 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 126       | 28.9  | 14.1  | 42.4  |





#83

tert-Butylbenzene

Concen: 4.862 ug/l

RT: 11.695 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

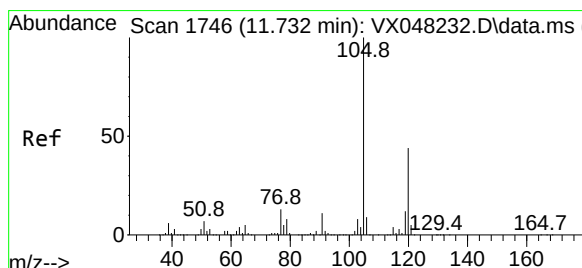
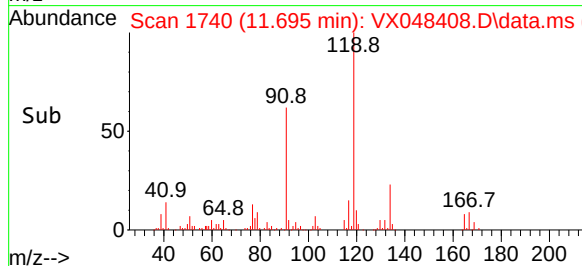
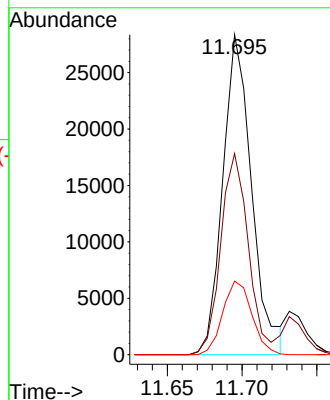
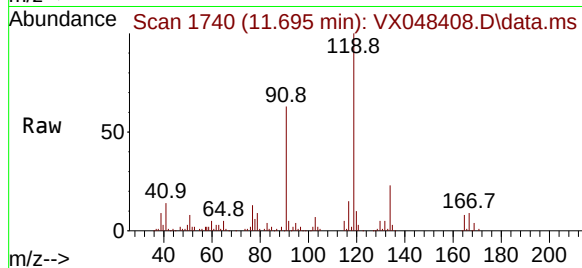
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 3805  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 60.0  | 30.3  | 91.0  |
| 134      | 23.2  | 11.4  | 34.2  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.789 ug/l

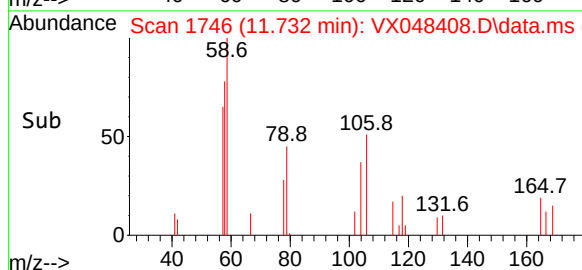
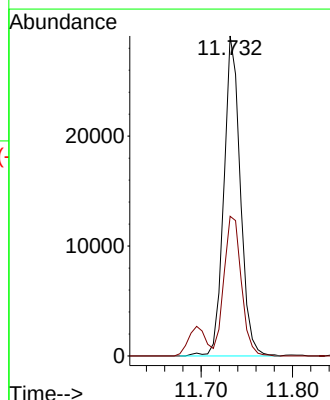
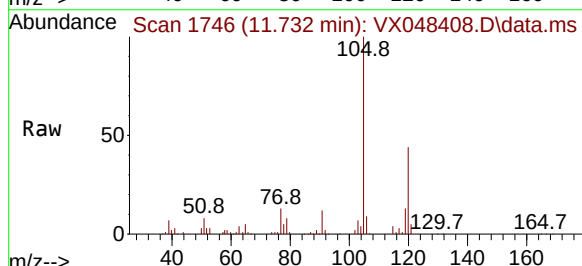
RT: 11.732 min Scan# 1746

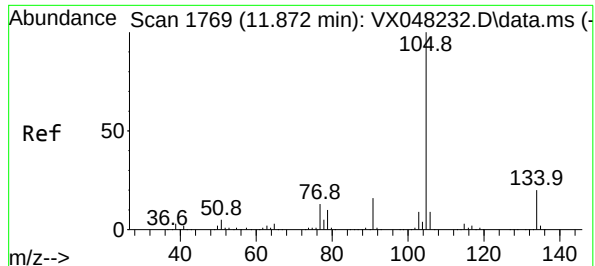
Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

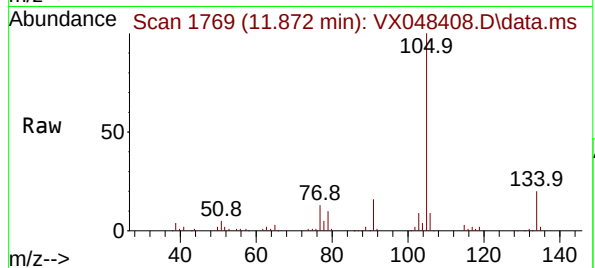
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 36460 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 46.0  | 22.1  | 66.5  |





#85  
sec-Butylbenzene  
Concen: 5.001 ug/l  
RT: 11.872 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

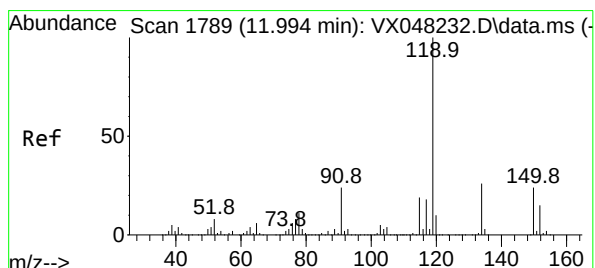
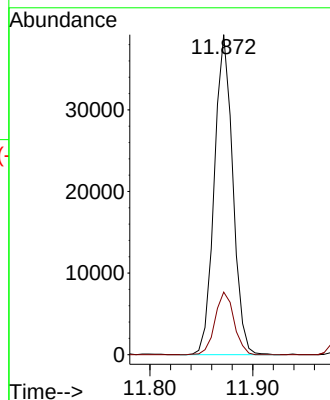
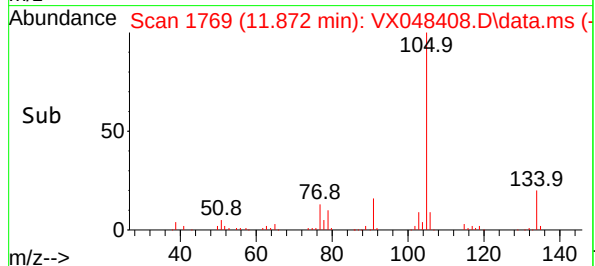
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005



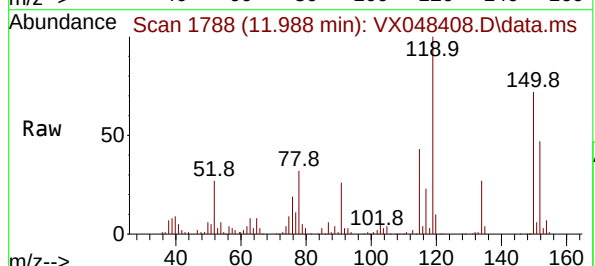
Tgt Ion:105 Resp: 4878  
Ion Ratio Lower Upper  
105 100  
134 20.1 10.1 30.1

Manual Integrations  
APPROVED

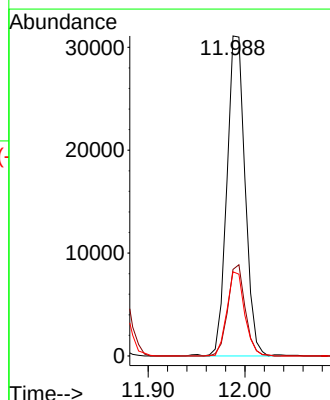
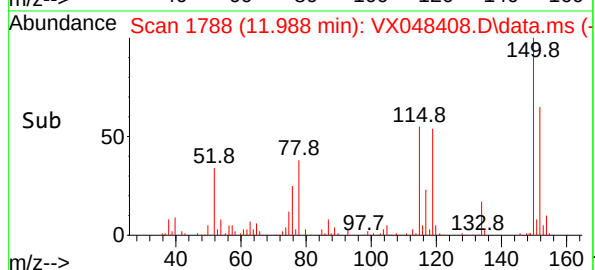
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



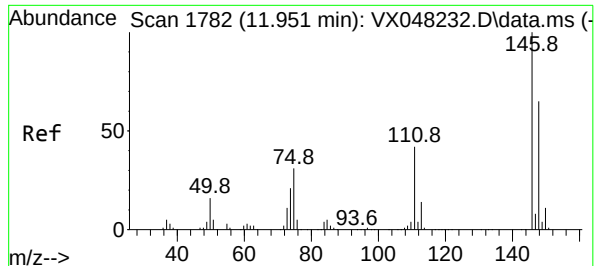
#86  
p-Isopropyltoluene  
Concen: 4.918 ug/l  
RT: 11.988 min Scan# 1788  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41



Tgt Ion:119 Resp: 40550  
Ion Ratio Lower Upper  
119 100  
134 27.2 13.0 39.0  
91 25.7 12.1 36.3







#87

1,3-Dichlorobenzene

Concen: 4.967 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 21978

Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.2

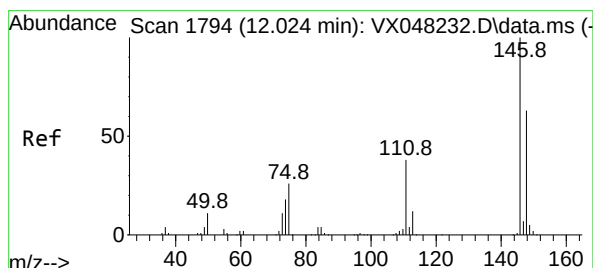
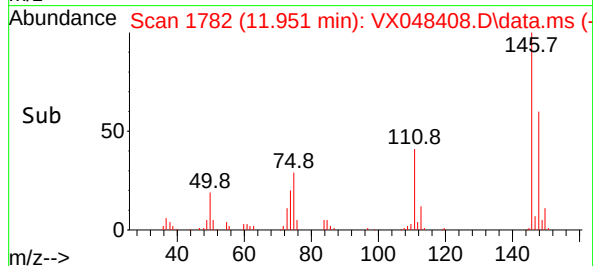
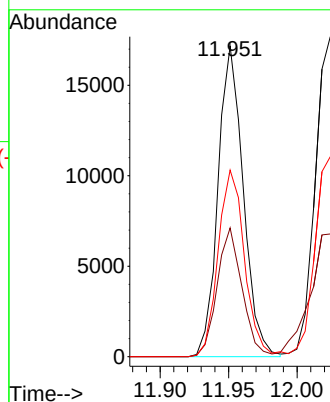
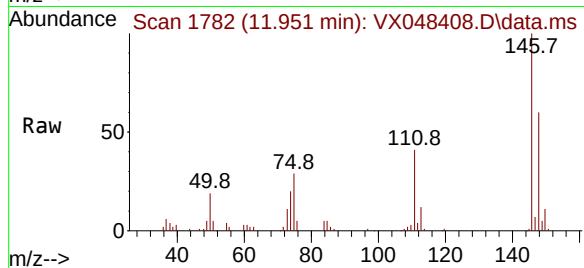
148 63.2 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#88

1,4-Dichlorobenzene

Concen: 5.134 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

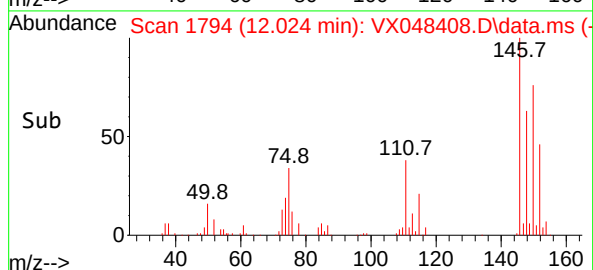
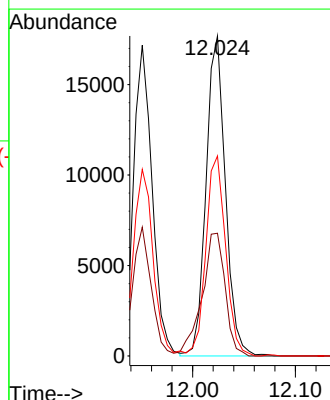
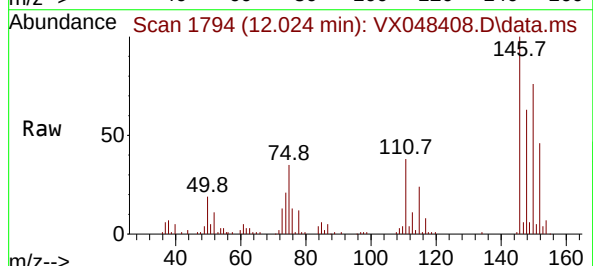
Tgt Ion:146 Resp: 23136

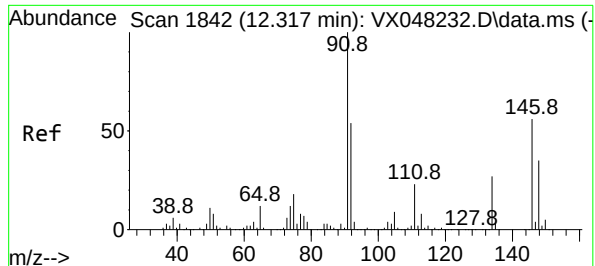
Ion Ratio Lower Upper

146 100

111 46.0 20.1 60.2

148 63.8 31.8 95.3





#89

n-Butylbenzene

Concen: 4.755 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

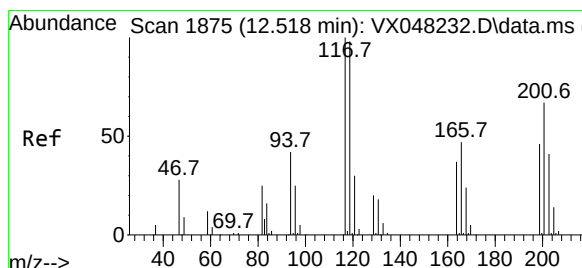
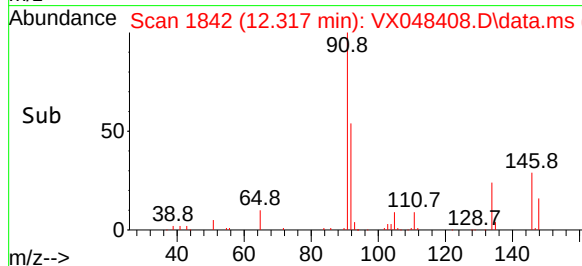
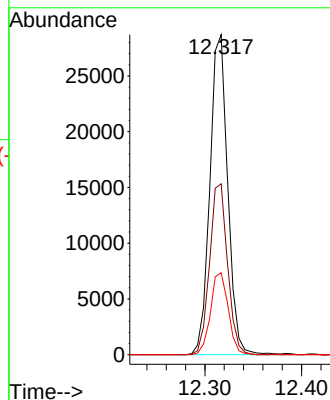
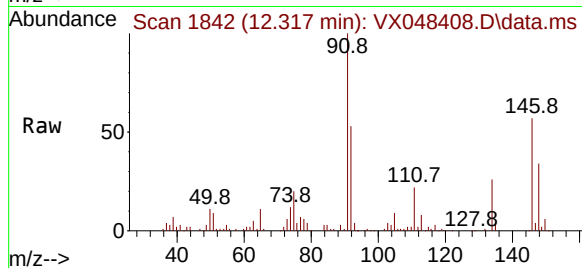
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 3681  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 53.8  | 26.9  | 80.6  |
| 134      | 25.4  | 12.7  | 38.1  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#90

Hexachloroethane

Concen: 4.535 ug/l

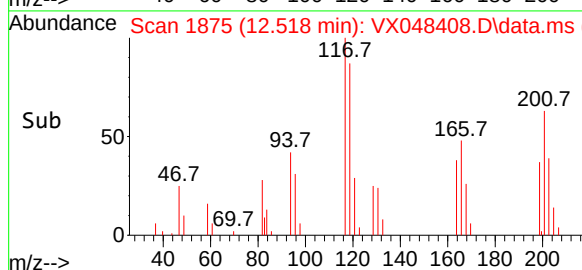
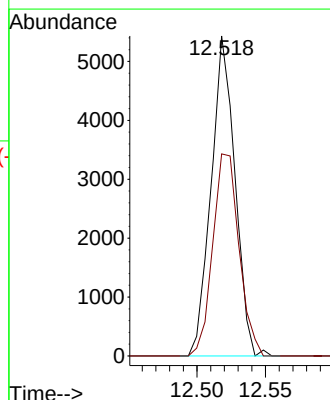
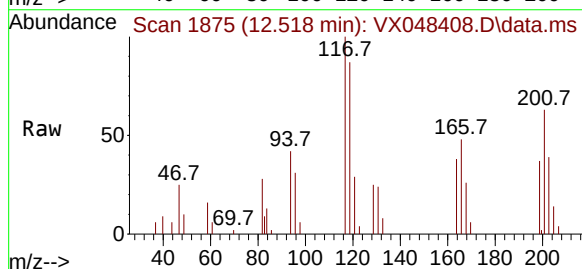
RT: 12.518 min Scan# 1875

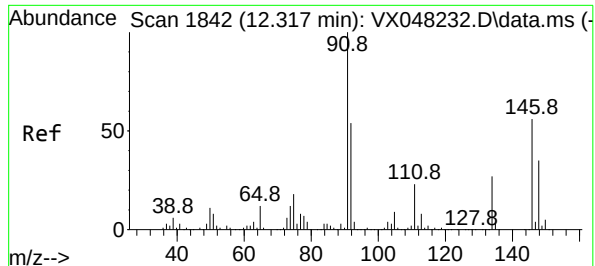
Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

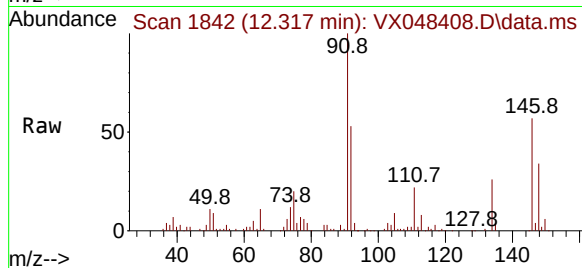
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 6571  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 69.6  | 34.1  | 102.2 |





#91  
1,2-Dichlorobenzene  
Concen: 4.977 ug/l  
RT: 12.317 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

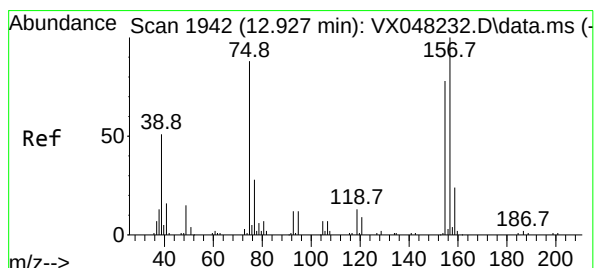
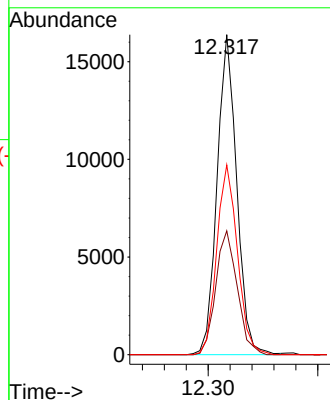
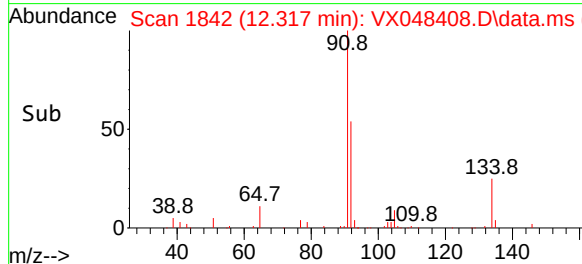
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



Tgt Ion:146 Resp: 20410  
Ion Ratio Lower Upper  
146 100  
111 42.3 21.9 65.5  
148 62.6 31.9 95.5

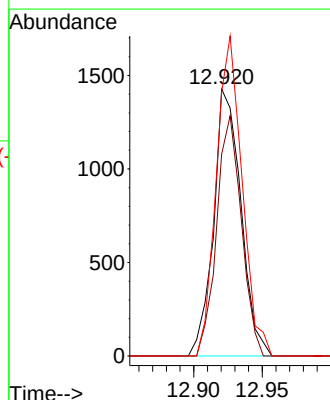
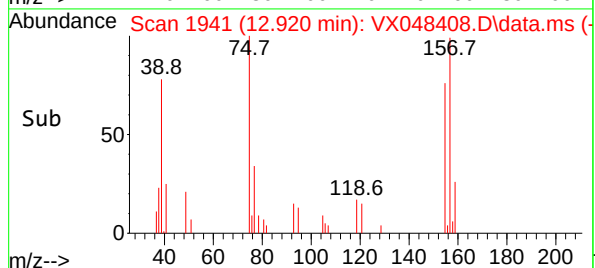
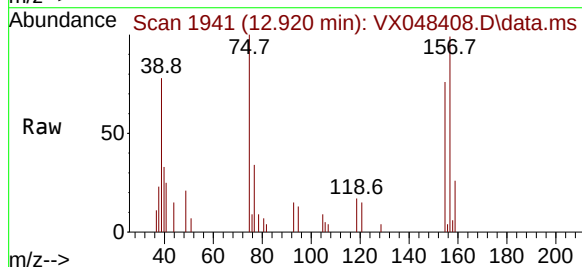
Manual Integrations  
APPROVED

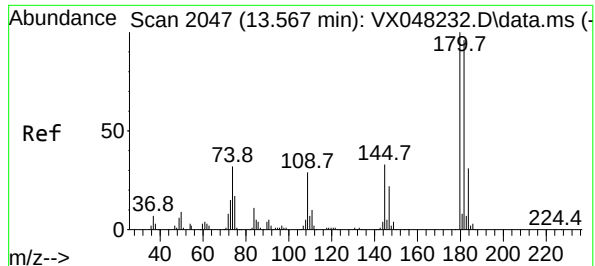
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 4.250 ug/l  
RT: 12.920 min Scan# 1941  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Tgt Ion: 75 Resp: 1977  
Ion Ratio Lower Upper  
75 100  
155 81.4 42.8 128.4  
157 113.1 54.2 162.6





#93

1,2,4-Trichlorobenzene

Concen: 4.660 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

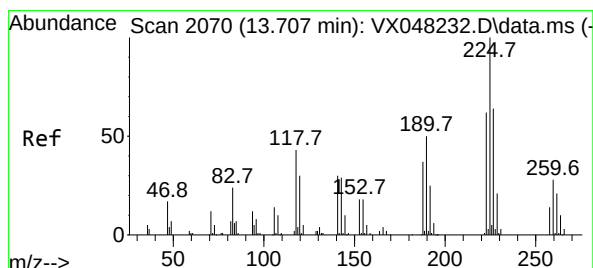
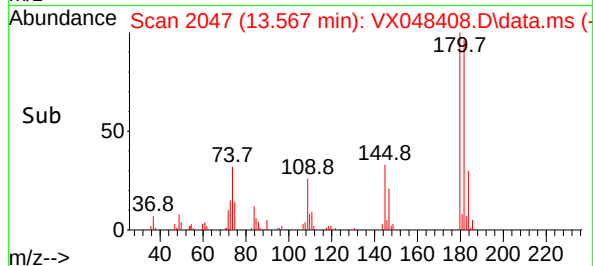
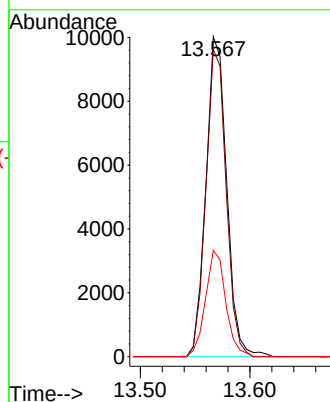
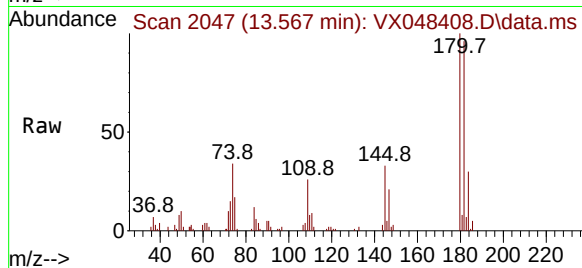
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 1318       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 93.5  | 47.3 142.0 |
| 145         | 32.4  | 16.3 48.9  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#94

Hexachlorobutadiene

Concen: 4.669 ug/l

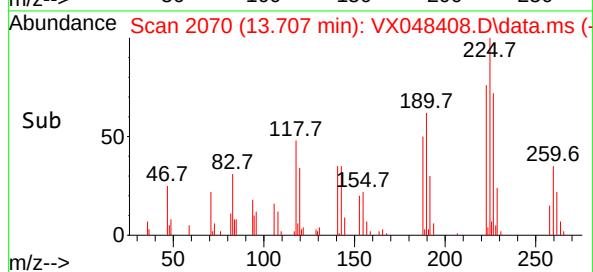
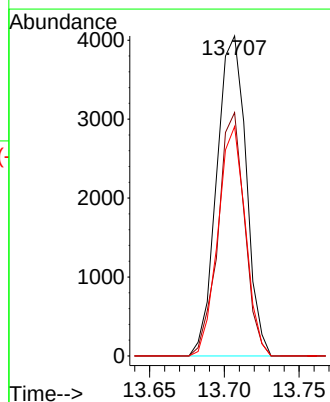
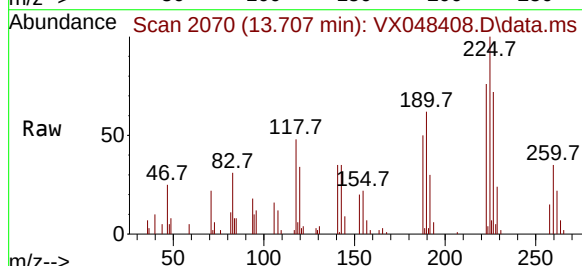
RT: 13.707 min Scan# 2070

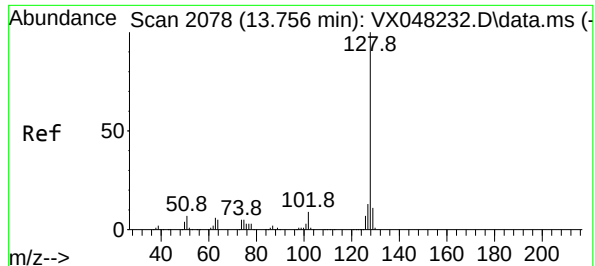
Delta R.T. 0.000 min

Lab File: VX048408.D

Acq: 29 Oct 2025 11:41

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 5541      |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 68.6  | 32.6 97.7 |
| 227         | 66.6  | 32.5 97.4 |





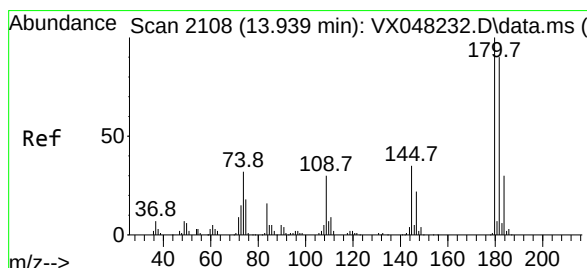
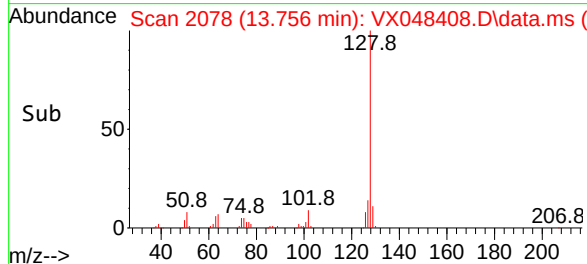
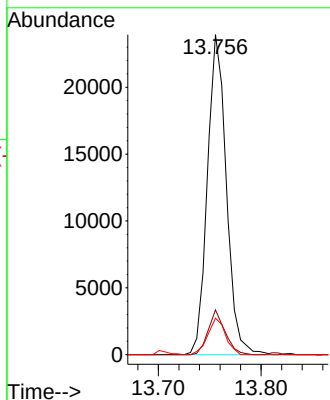
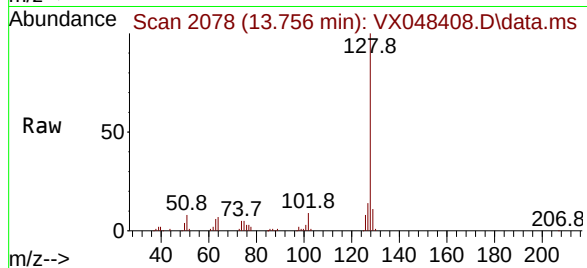
#95  
Naphthalene  
Concen: 4.293 ug/l  
RT: 13.756 min Scan# 2078  
Delta R.T. 0.000 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.5  | 10.2  | 15.4  |
| 129     | 10.7  | 8.6   | 12.8  |

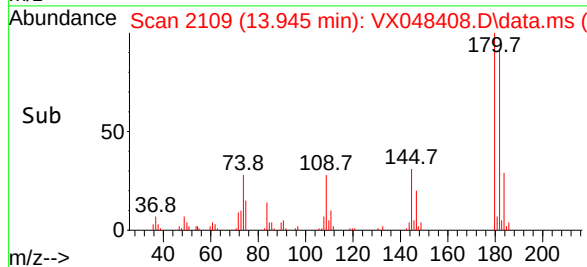
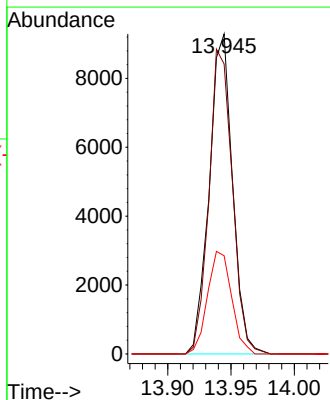
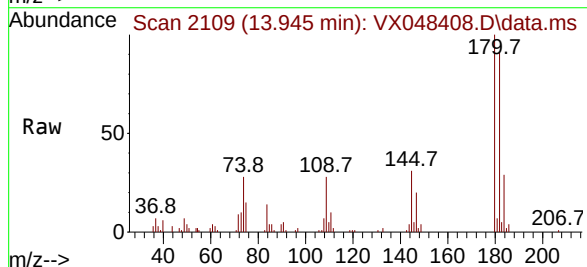
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#96  
1,2,3-Trichlorobenzene  
Concen: 4.622 ug/l  
RT: 13.945 min Scan# 2109  
Delta R.T. 0.006 min  
Lab File: VX048408.D  
Acq: 29 Oct 2025 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.5  | 46.6  | 139.7 |
| 145     | 33.2  | 16.9  | 50.7  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048409.D  
 Acq On : 29 Oct 2025 12:01  
 Operator : JC/MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC020

Quant Time: Oct 30 02:20:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 155635     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.745          | 114  | 265505     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 239952     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.006         | 152  | 119721     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 42907      | 19.170   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 38.340%# |        |          |
| 35) Dibromofluoromethane     | 5.373          | 113  | 27594      | 18.229   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 36.460%# |        |          |
| 50) Toluene-d8               | 8.635          | 98   | 126497     | 18.931   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 37.860%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.061         | 95   | 46359      | 18.546   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 37.100%# |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 29696      | 18.705   | ug/l   | 99       |
| 3) Chloromethane             | 1.301          | 50   | 17139      | 19.135   | ug/l   | 92       |
| 4) Vinyl Chloride            | 1.380          | 62   | 39944      | 19.306   | ug/l   | 100      |
| 5) Bromomethane              | 1.618          | 94   | 16011      | 21.422   | ug/l   | 98       |
| 6) Chloroethane              | 1.697          | 64   | 23758      | 19.308   | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 1.898          | 101  | 61068      | 19.260   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.136          | 74   | 22891      | 19.976   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 34020      | 19.075   | ug/l   | 97       |
| 10) Methyl Iodide            | 2.459          | 142  | 132951     | 18.539   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.940          | 59   | 16744      | 97.643   | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 34822      | 19.222   | ug/l   | 92       |
| 13) Acrolein                 | 2.233          | 56   | 34708      | 96.966   | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 58890      | 19.196   | ug/l   | 99       |
| 15) Acrylonitrile            | 3.056          | 53   | 74971      | 96.103   | ug/l   | 100      |
| 16) Acetone                  | 2.373          | 43   | 48676      | 95.953   | ug/l   | 90       |
| 17) Carbon Disulfide         | 2.520          | 76   | 101385     | 19.519   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.697          | 43   | 30394      | 17.914   | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.105          | 73   | 112995     | 19.478   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 38558      | 19.718   | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 37969      | 19.733   | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.751          | 45   | 125099     | 19.923   | ug/l   | 97       |
| 23) Vinyl Acetate            | 3.715          | 43   | 453379     | 106.067  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 70156      | 19.687   | ug/l   | 99       |
| 25) 2-Butanone               | 4.538          | 43   | 81242      | 100.249  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 58181      | 18.962   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 44153      | 19.227   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.891          | 49   | 34639      | 21.448   | ug/l   | 96       |
| 29) Tetrahydrofuran          | 4.989          | 42   | 55207      | 95.658   | ug/l   | 99       |
| 30) Chloroform               | 5.086          | 83   | 72660      | 19.821   | ug/l   | 99       |
| 31) Cyclohexane              | 5.464          | 56   | 60266      | 19.483   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 63038      | 19.479   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 51050      | 20.082   | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.702          | 43   | 42038      | 19.410   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 56042      | 19.094   | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.366          | 83   | 60050      | 18.370   | ug/l   | 98       |
| 40) Benzene                  | 6.031          | 78   | 154747     | 19.926   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048409.D  
 Acq On : 29 Oct 2025 12:01  
 Operator : JC/MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

## Instrument :

MSVOA\_X

## ClientSampleId :

VSTDICC020

## Manual Integrations

## APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:20:07 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M

Quant Title : SW846 8260

QLast Update : Thu Oct 30 02:16:32 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.904  | 41   | 21765    | 19.952  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 55126    | 20.153  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.324  | 43   | 70480    | 19.711  | ug/l   | 97       |
| 44) Trichloroethene           | 7.110  | 130  | 39126    | 19.230  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.415  | 63   | 38163    | 19.677  | ug/l   | 98       |
| 46) Dibromomethane            | 7.568  | 93   | 26809    | 19.745  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.805  | 83   | 56897    | 19.723  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.677  | 41   | 34546    | 19.812  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.641  | 88   | 8028     | 405.056 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 198117   | 99.558  | ug/l   | 98       |
| 52) Toluene                   | 8.702  | 92   | 95778    | 19.737  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75   | 54135    | 20.704  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.354  | 75   | 59288    | 21.045  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 35297    | 20.100  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.104  | 69   | 50195    | 19.521  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 60087    | 19.734  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.226  | 63   | 147643   | 102.113 | ug/l   | 98       |
| 59) 2-Hexanone                | 9.415  | 43   | 131938   | 101.896 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.506  | 129  | 42810    | 19.711  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 35900    | 19.761  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.256  | 164  | 36898    | 19.095  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.061 | 112  | 107348   | 19.419  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131  | 37061    | 19.709  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.177 | 91   | 181239   | 19.472  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.287 | 106  | 137786   | 39.097  | ug/l   | 98       |
| 69) o-Xylene                  | 10.628 | 106  | 65886    | 19.564  | ug/l   | 96       |
| 70) Styrene                   | 10.640 | 104  | 113244   | 19.850  | ug/l   | 99       |
| 71) Bromoform                 | 10.781 | 173  | 25652    | 18.858  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 172017   | 19.426  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.823 | 43   | 61330    | 19.415  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 43767    | 19.513  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 33917m   | 18.164  | ug/l   |          |
| 77) Bromobenzene              | 11.183 | 156  | 42441    | 19.402  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.287 | 91   | 204115   | 19.503  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.347 | 91   | 121563   | 19.346  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 141180   | 19.449  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 9353     | 18.799  | ug/l # | 61       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 144766   | 19.597  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 141031   | 19.084  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 142497   | 19.826  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 178477   | 19.383  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 150606   | 19.347  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 79513    | 19.034  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 79800    | 18.755  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.317 | 91   | 138220   | 18.912  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.518 | 117  | 25696    | 18.786  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 74930    | 19.356  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 8210     | 18.693  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 50064    | 18.742  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 20853    | 18.610  | ug/l   | 97       |
| 95) Naphthalene               | 13.756 | 128  | 126677   | 18.777  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.938 | 180  | 45847    | 18.895  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048409.D  
Acq On : 29 Oct 2025 12:01  
Operator : JC/MD  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 02:20:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

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

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

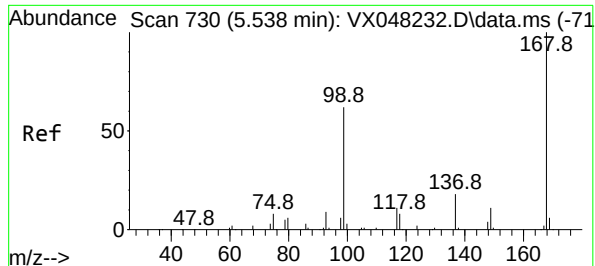


**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC020

## Manual Integrations

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025





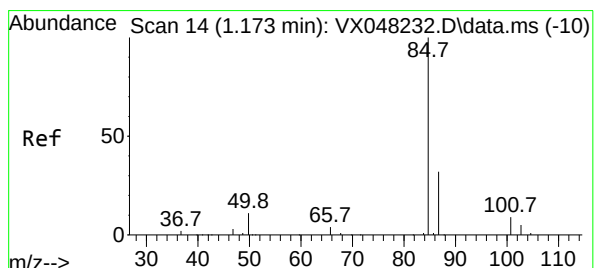
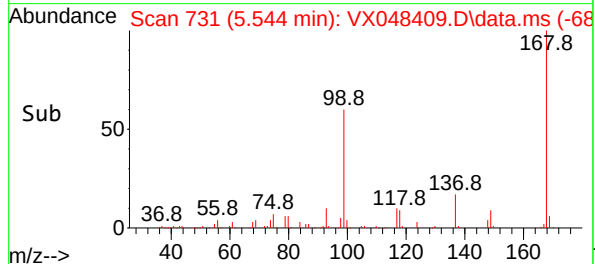
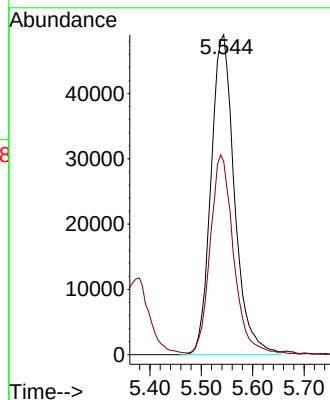
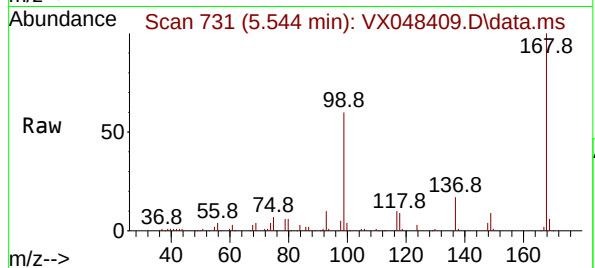
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 730  
Delta R.T. 0.007 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion:168 Resp: 15563  
Ion Ratio Lower Upper  
168 100  
99 59.6 46.4 69.6

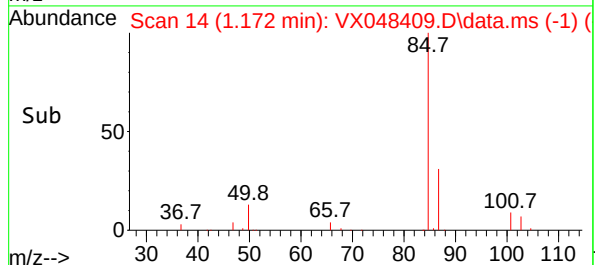
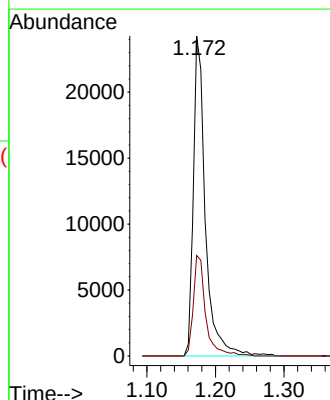
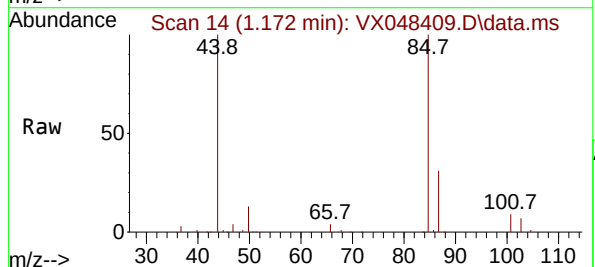
Manual Integrations  
APPROVED

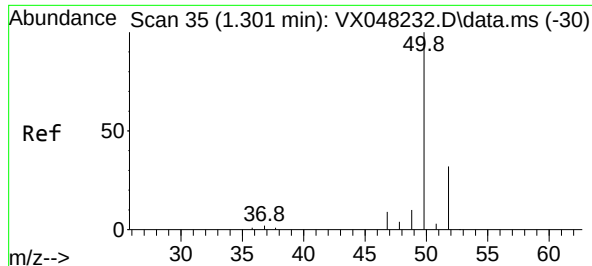
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#2  
Dichlorodifluoromethane  
Concen: 18.705 ug/l  
RT: 1.172 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Tgt Ion: 85 Resp: 29696  
Ion Ratio Lower Upper  
85 100  
87 31.4 15.3 45.9





#3

Chloromethane

Concen: 19.135 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 17139

Ion Ratio Lower Upper

50 100

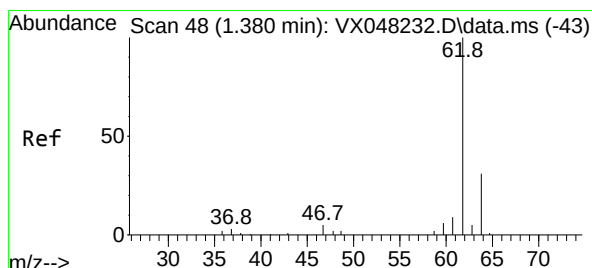
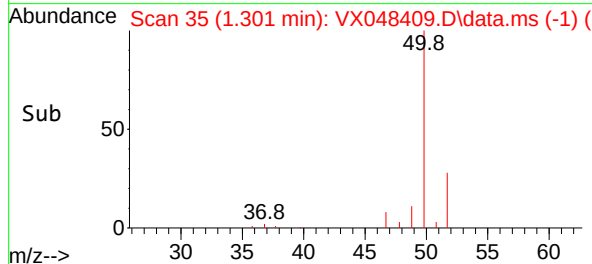
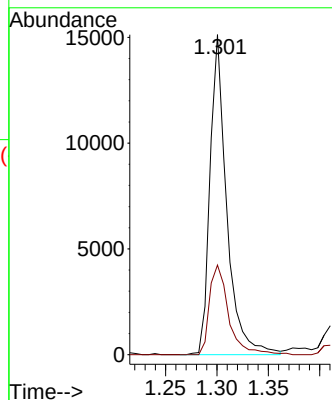
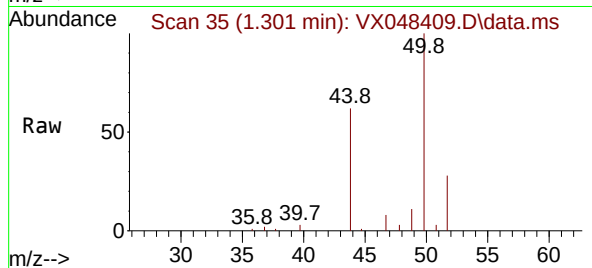
52 28.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#4

Vinyl Chloride

Concen: 19.306 ug/l

RT: 1.380 min Scan# 48

Delta R.T. 0.000 min

Lab File: VX048409.D

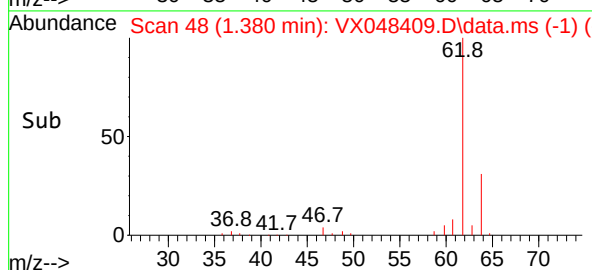
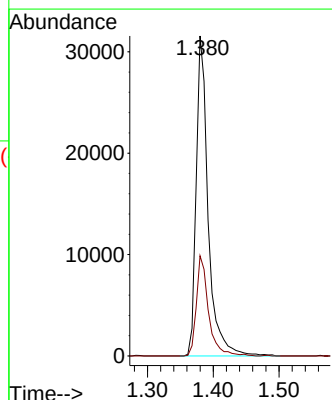
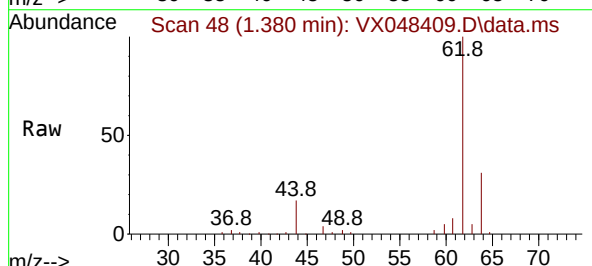
Acq: 29 Oct 2025 12:01

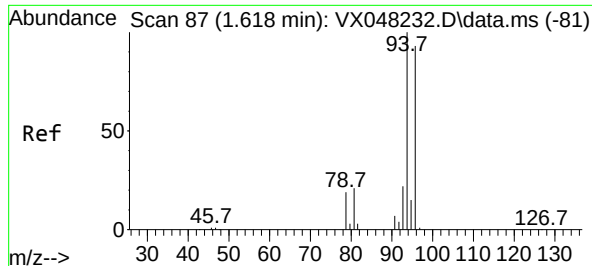
Tgt Ion: 62 Resp: 39944

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7





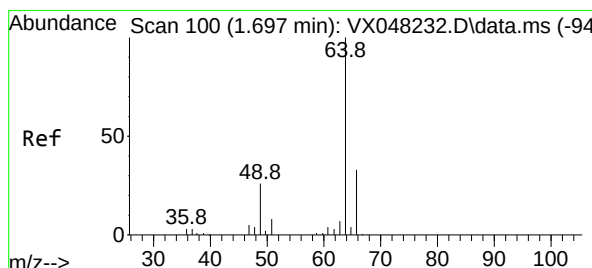
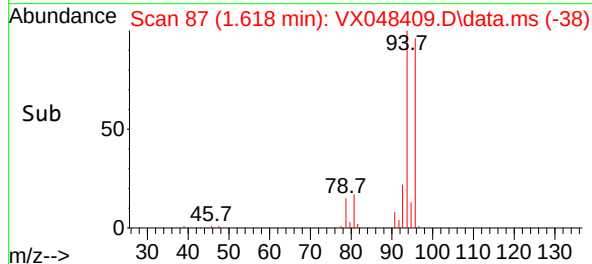
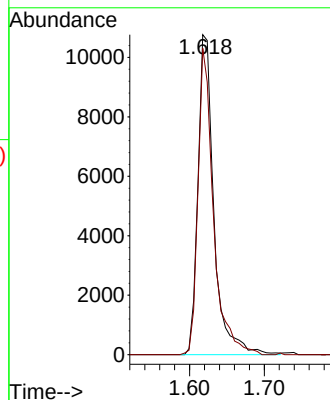
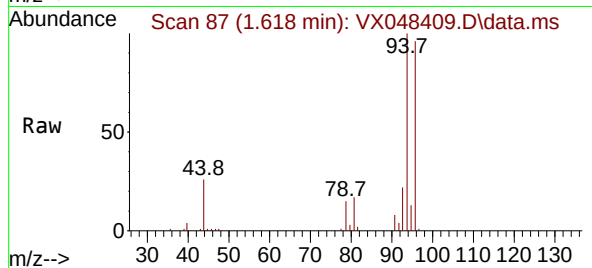
#5  
Bromomethane  
Concen: 21.422 ug/l  
RT: 1.618 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion: 94 Resp: 1601  
Ion Ratio Lower Upper  
94 100  
96 97.1 76.0 114.0

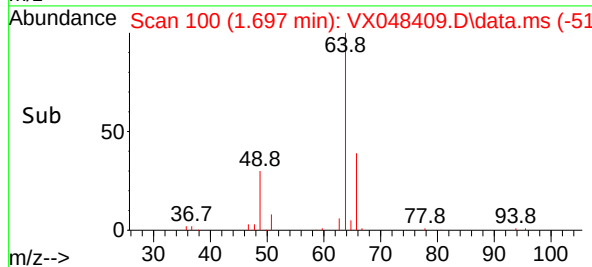
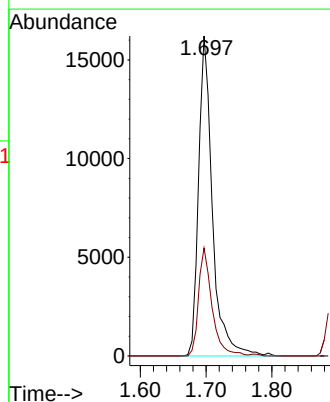
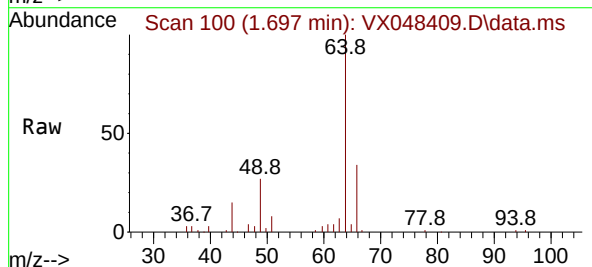
Manual Integrations  
APPROVED

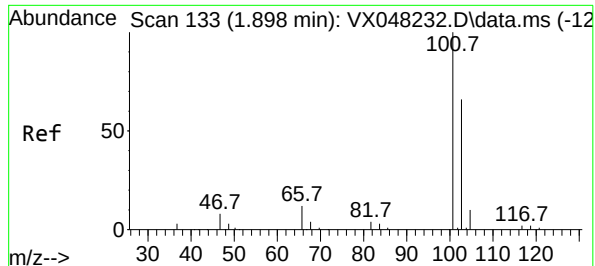
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#6  
Chloroethane  
Concen: 19.308 ug/l  
RT: 1.697 min Scan# 100  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

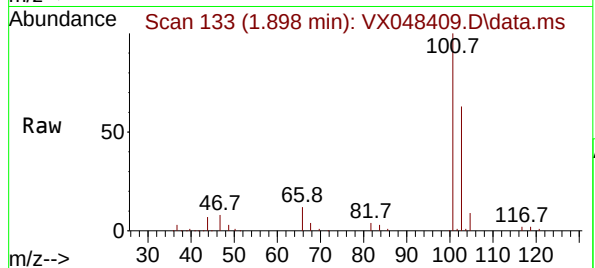
Tgt Ion: 64 Resp: 23758  
Ion Ratio Lower Upper  
64 100  
66 33.8 23.9 35.9





#7  
Trichlorofluoromethane  
Concen: 19.260 ug/l  
RT: 1.898 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

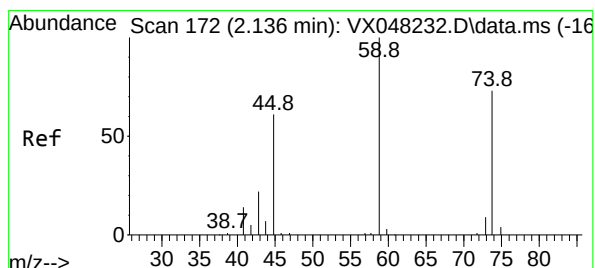
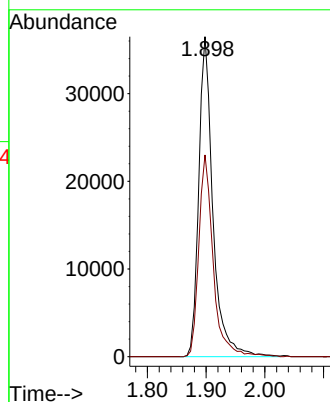
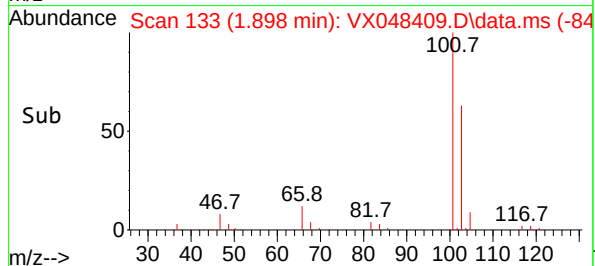
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020



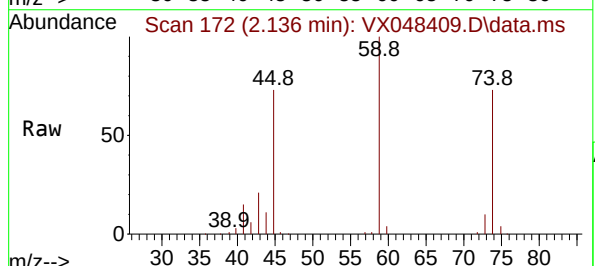
Tgt Ion:101 Resp: 6106  
Ion Ratio Lower Upper  
101 100  
103 63.1 51.6 77.4

Manual Integrations  
APPROVED

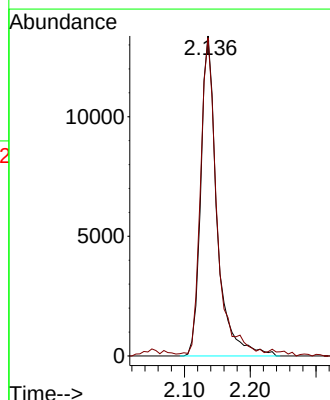
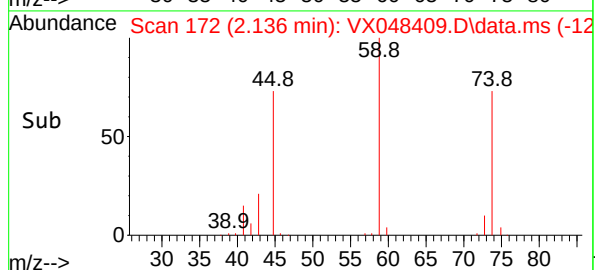
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

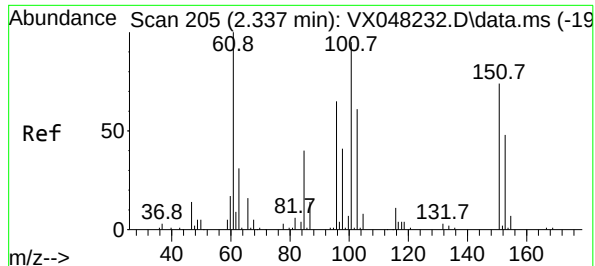


#8  
Diethyl Ether  
Concen: 19.976 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01



Tgt Ion: 74 Resp: 22891  
Ion Ratio Lower Upper  
74 100  
45 101.0 50.0 149.8





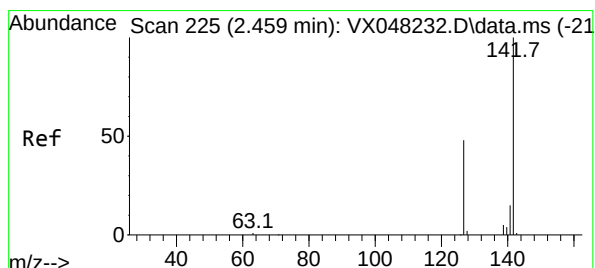
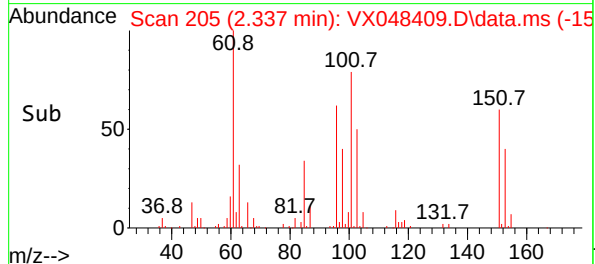
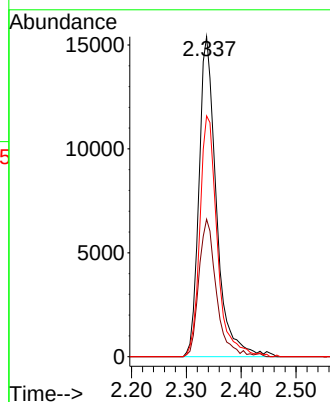
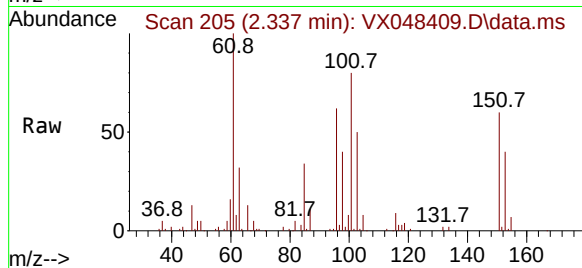
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.075 ug/l  
RT: 2.337 min Scan# 205  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion:101 Resp: 34020  
Ion Ratio Lower Upper  
101 100  
85 43.1 35.6 53.4  
151 75.5 58.0 87.0

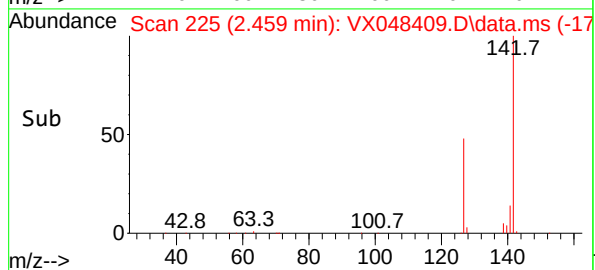
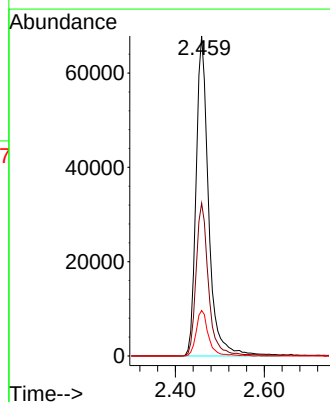
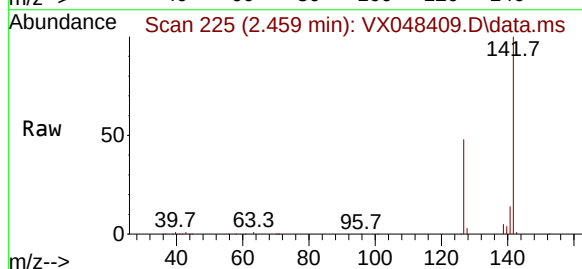
Manual Integrations  
APPROVED

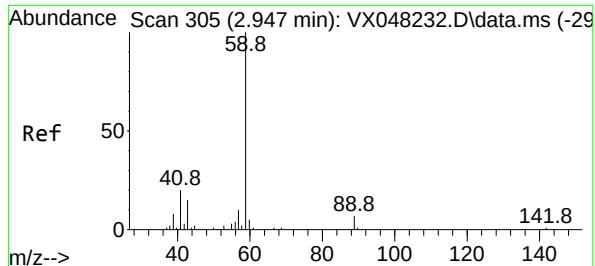
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#10  
Methyl Iodide  
Concen: 18.539 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Tgt Ion:142 Resp: 132951  
Ion Ratio Lower Upper  
142 100  
127 47.5 38.5 57.7  
141 13.8 11.6 17.4





#11

Tert butyl alcohol

Concen: 97.643 ug/l

RT: 2.940 min Scan# 305

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 16744

Ion Ratio Lower Upper

59 100

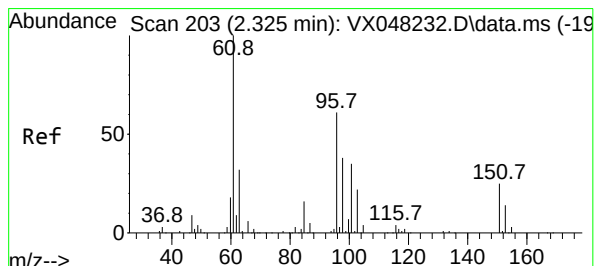
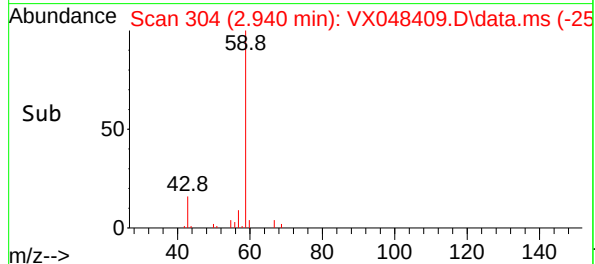
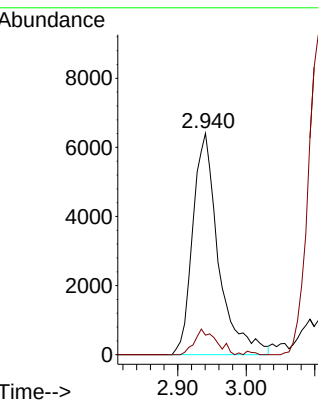
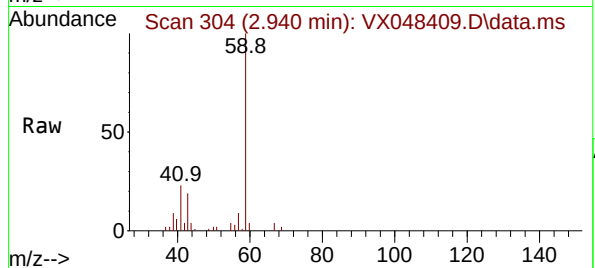
57 9.6 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#12

1,1-Dichloroethene

Concen: 19.222 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

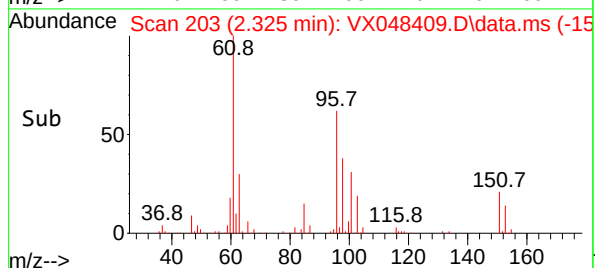
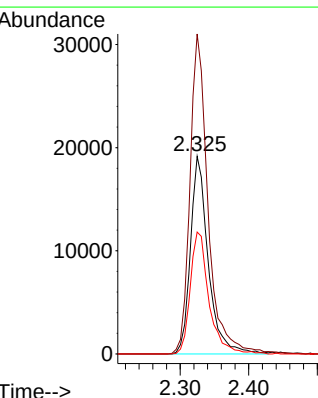
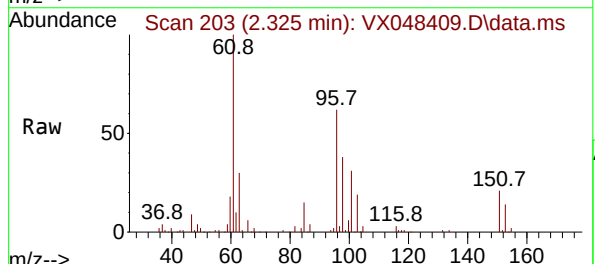
Tgt Ion: 96 Resp: 34822

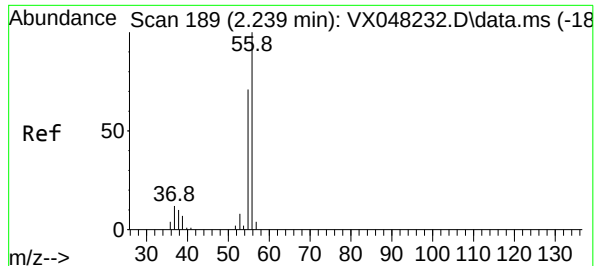
Ion Ratio Lower Upper

96 100

61 161.9 139.0 208.6

98 61.7 52.4 78.6





#13

Acrolein

Concen: 96.966 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 34708

Ion Ratio Lower Upper

56 100

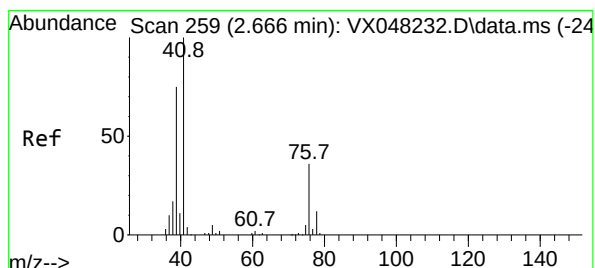
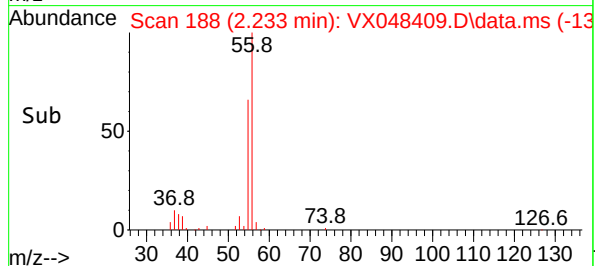
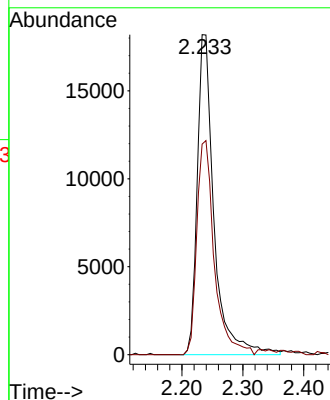
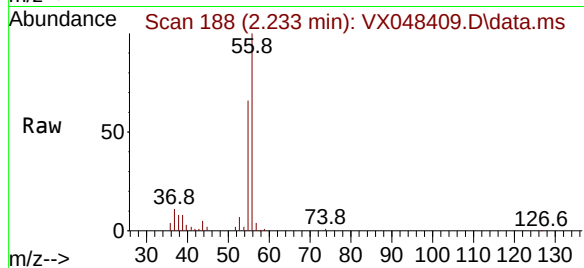
55 69.7 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#14

Allyl chloride

Concen: 19.196 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

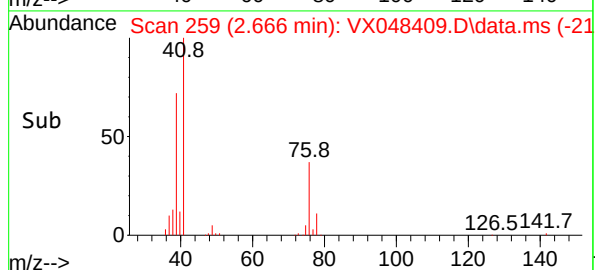
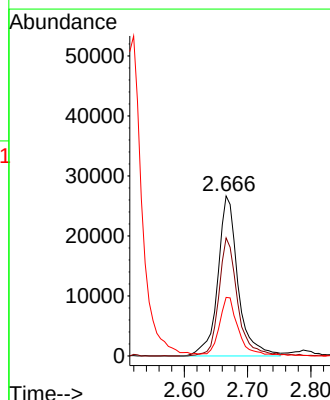
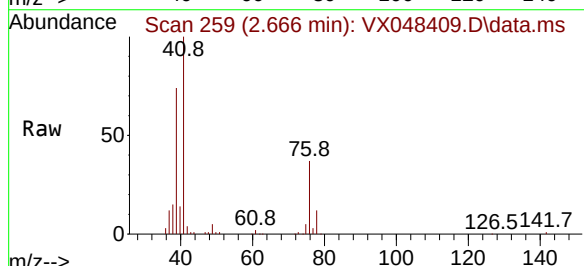
Tgt Ion: 41 Resp: 58890

Ion Ratio Lower Upper

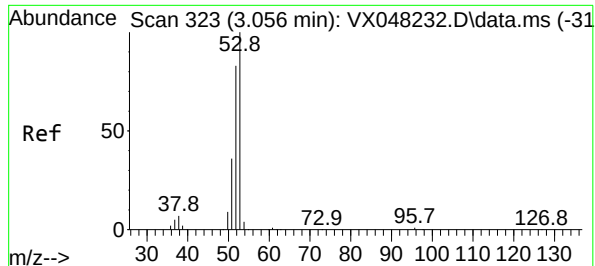
41 100

39 69.2 56.0 84.0

76 35.3 27.5 41.3







#15

Acrylonitrile

Concen: 96.103 ug/l

RT: 3.056 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

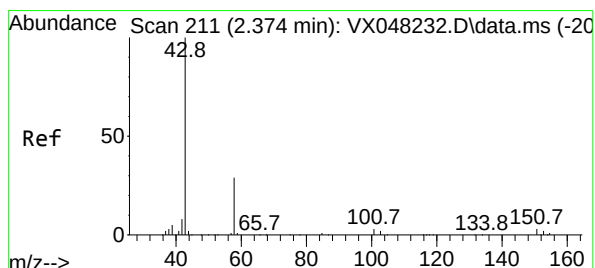
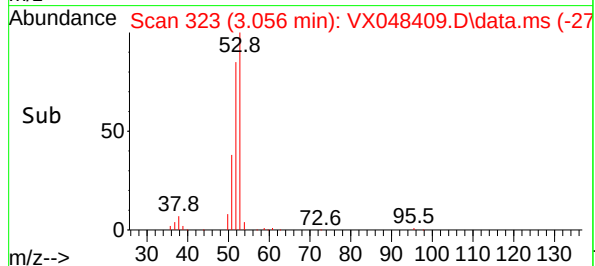
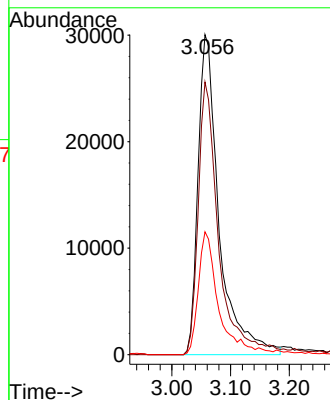
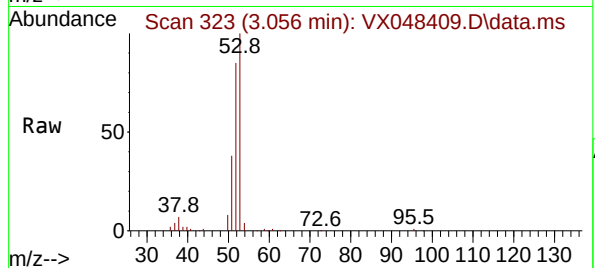
VSTDICC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 7497  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.6  | 66.1  | 99.1  |
| 51       | 37.0  | 29.0  | 43.4  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#16

Acetone

Concen: 95.953 ug/l

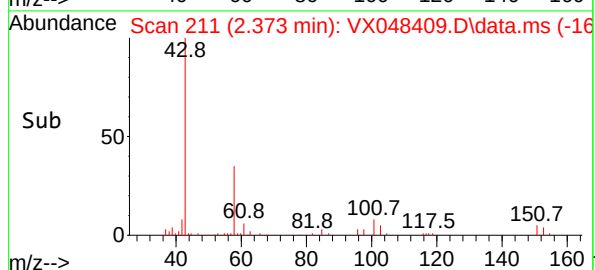
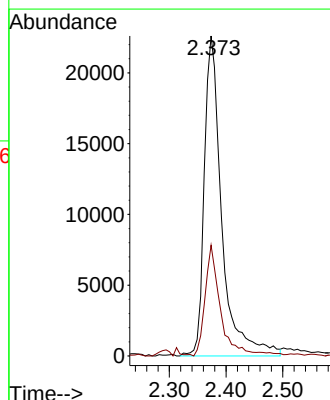
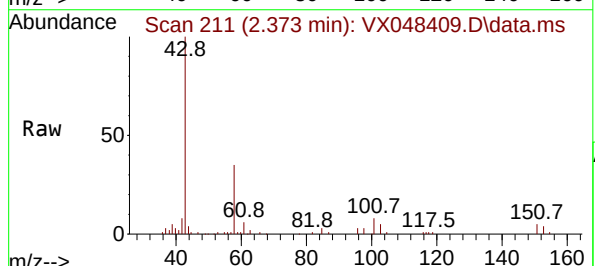
RT: 2.373 min Scan# 211

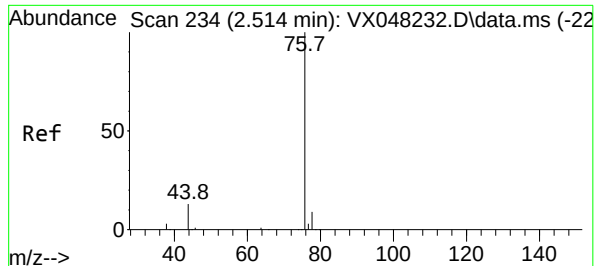
Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 48676 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 34.5  | 23.4  | 35.2  |





#17

Carbon Disulfide

Concen: 19.519 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 10138

Ion Ratio Lower Upper

76 100

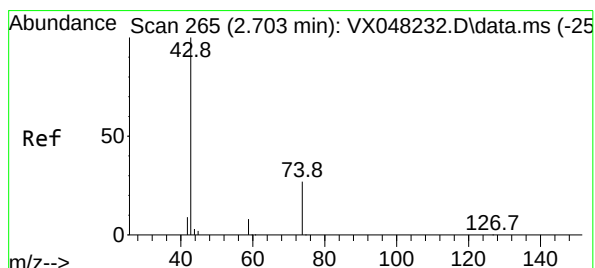
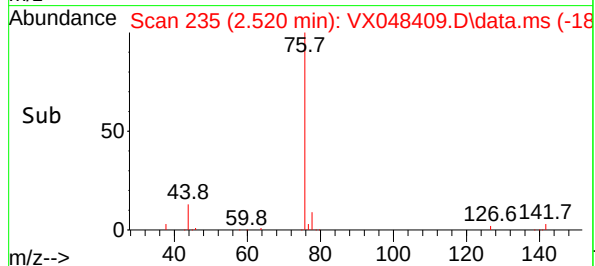
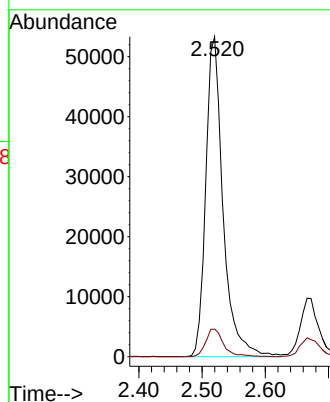
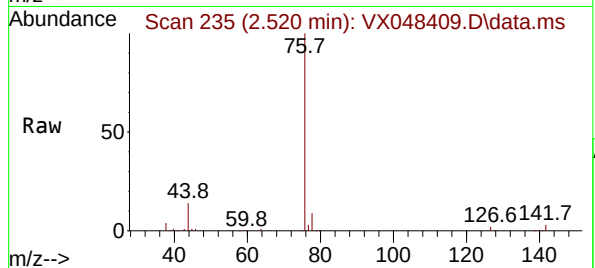
78 8.6 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#18

Methyl Acetate

Concen: 17.914 ug/l

RT: 2.697 min Scan# 264

Delta R.T. 0.000 min

Lab File: VX048409.D

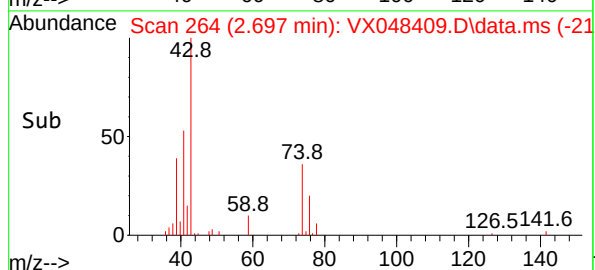
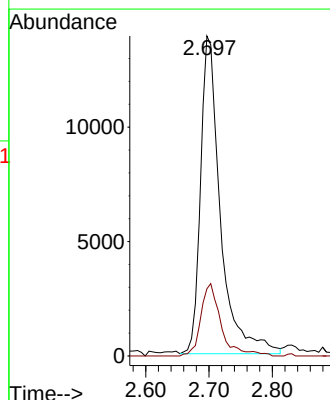
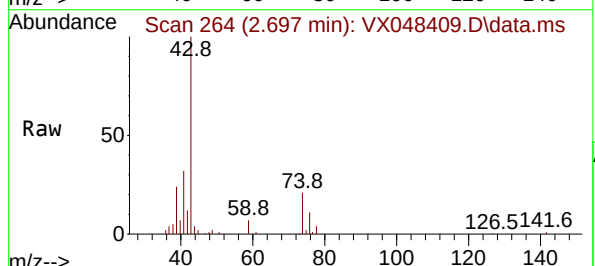
Acq: 29 Oct 2025 12:01

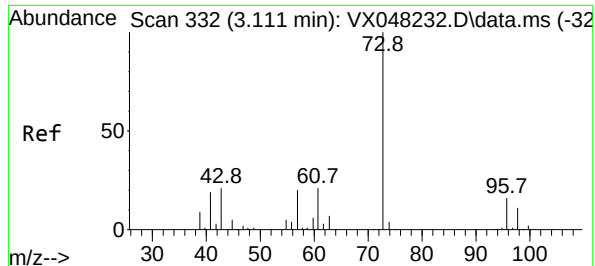
Tgt Ion: 43 Resp: 30394

Ion Ratio Lower Upper

43 100

74 23.2 17.5 26.3





#19

Methyl tert-butyl Ether

Concen: 19.478 ug/l

RT: 3.105 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 11299

Ion Ratio Lower Upper

73 100

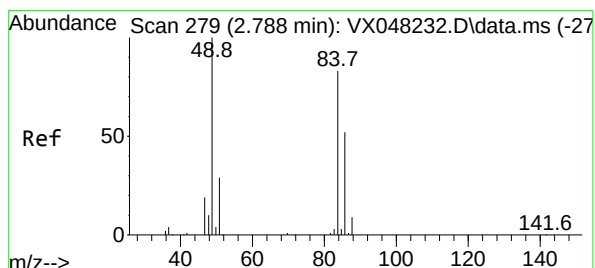
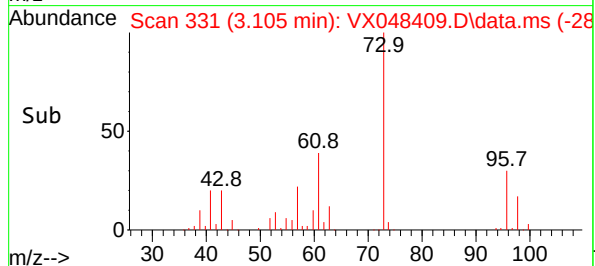
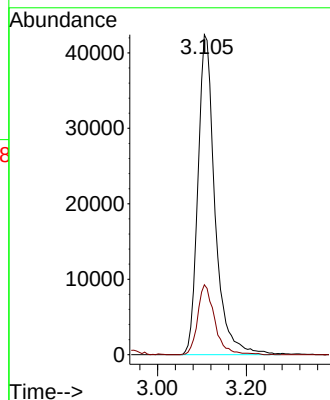
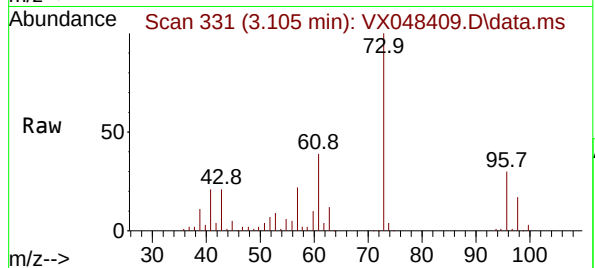
57 21.8 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#20

Methylene Chloride

Concen: 19.718 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Tgt Ion: 84 Resp: 38558

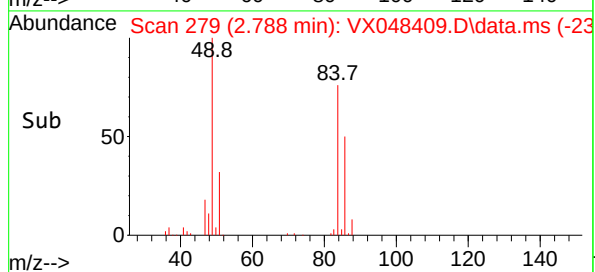
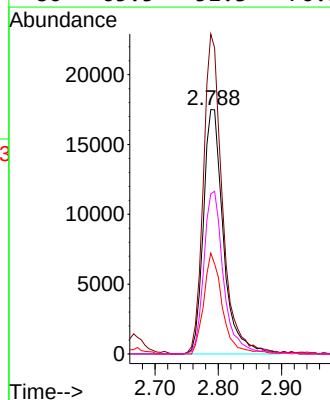
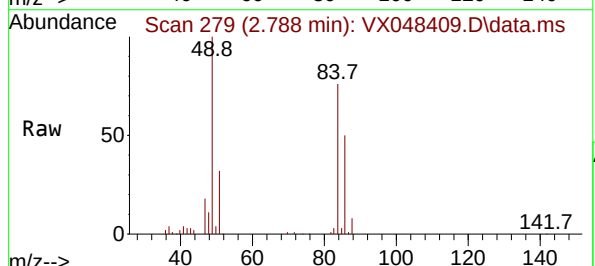
Ion Ratio Lower Upper

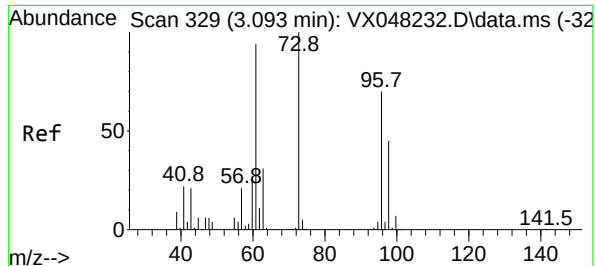
84 100

49 131.0 104.1 156.1

51 41.3 31.3 46.9

86 65.5 51.3 76.9





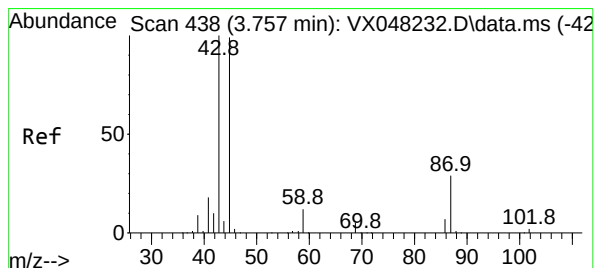
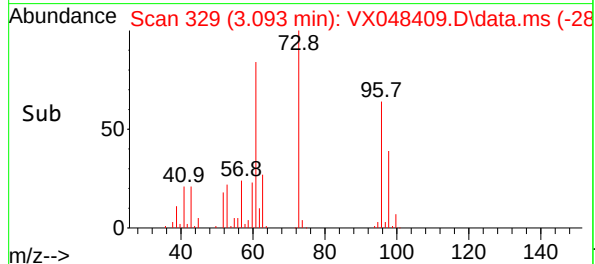
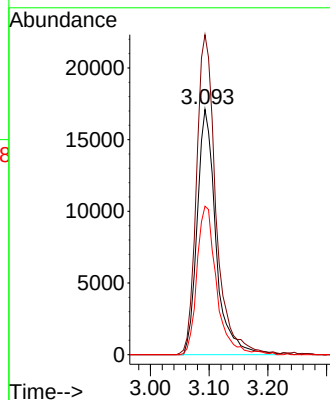
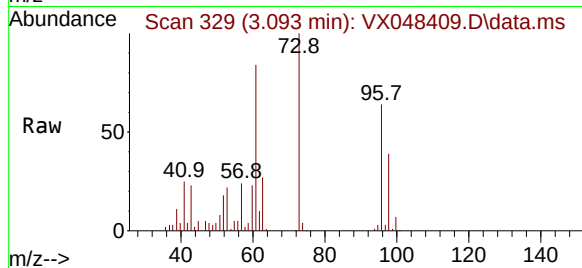
#21  
trans-1,2-Dichloroethene  
Concen: 19.733 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion: 96 Resp: 37969  
Ion Ratio Lower Upper  
96 100  
61 129.9 111.9 167.9  
98 60.5 51.2 76.8

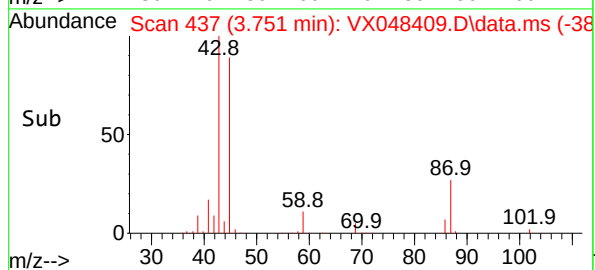
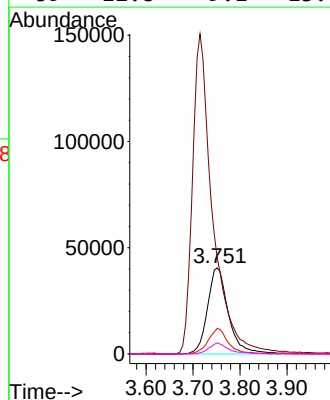
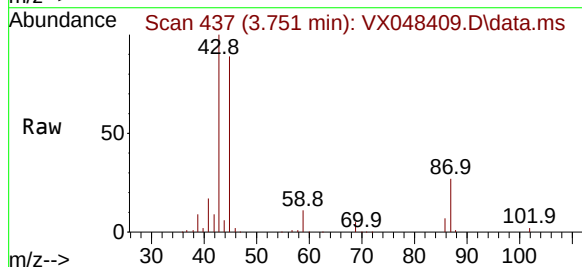
Manual Integrations  
APPROVED

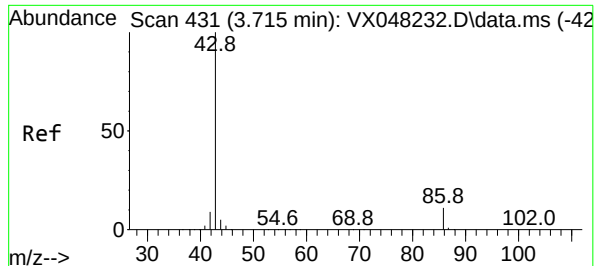
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#22  
Diisopropyl ether  
Concen: 19.923 ug/l  
RT: 3.751 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Tgt Ion: 45 Resp: 125099  
Ion Ratio Lower Upper  
45 100  
43 109.9 89.8 134.8  
87 29.7 20.6 31.0  
59 12.8 9.1 13.7





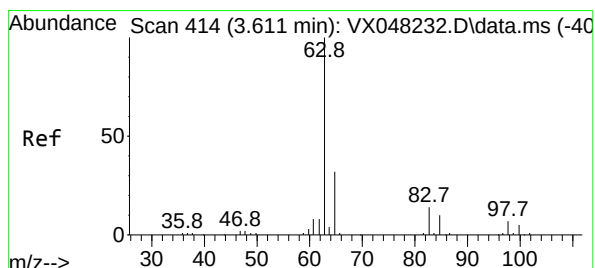
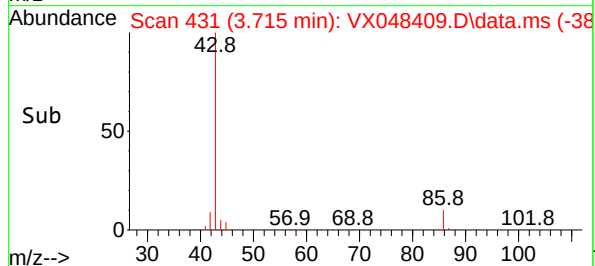
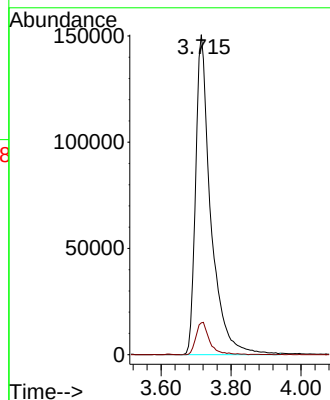
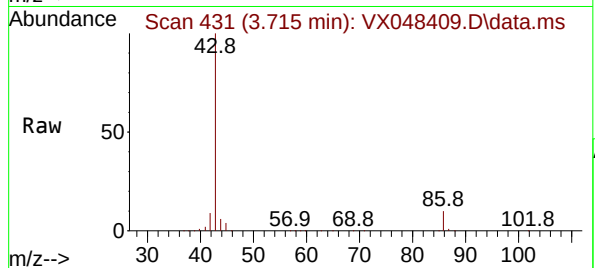
#23  
Vinyl Acetate  
Concen: 106.067 ug/l  
RT: 3.715 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion: 43 Resp: 453379  
Ion Ratio Lower Upper  
43 100  
86 10.0 7.9 11.9

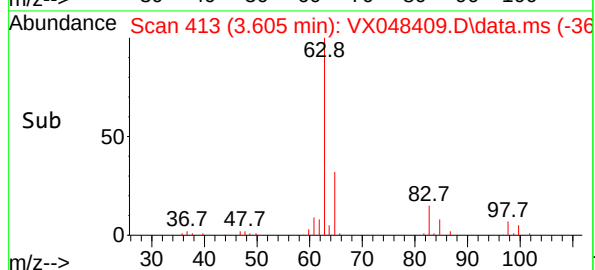
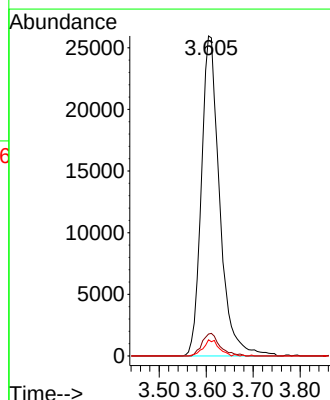
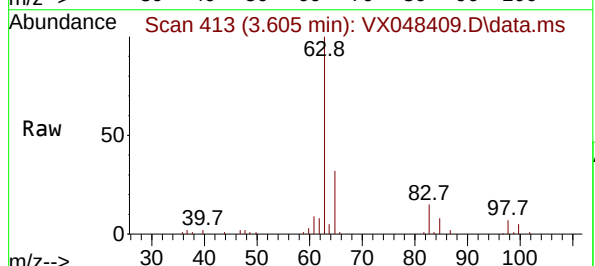
Manual Integrations  
APPROVED

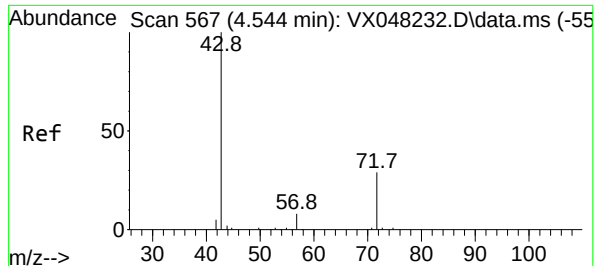
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#24  
1,1-Dichloroethane  
Concen: 19.687 ug/l  
RT: 3.605 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Tgt Ion: 63 Resp: 70156  
Ion Ratio Lower Upper  
63 100  
98 6.9 3.5 10.6  
100 5.0 2.1 6.3





#25

2-Butanone

Concen: 100.249 ug/l

RT: 4.538 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 8124

Ion Ratio Lower Upper

43 100

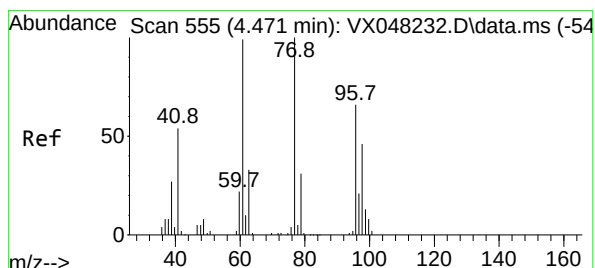
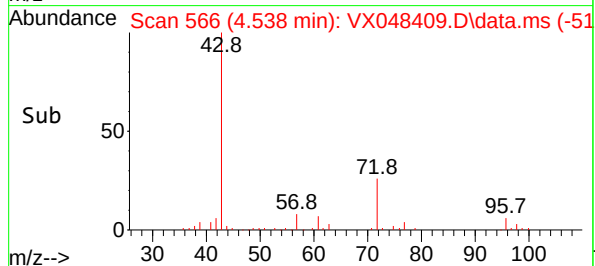
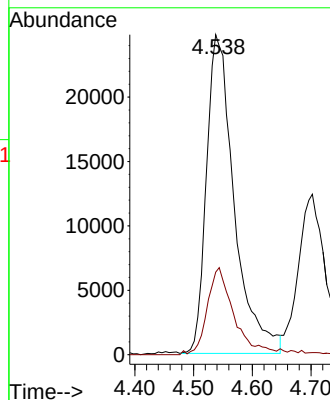
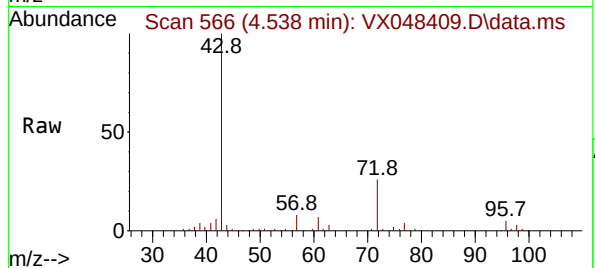
72 25.9 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#26

2,2-Dichloropropane

Concen: 18.962 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX048409.D

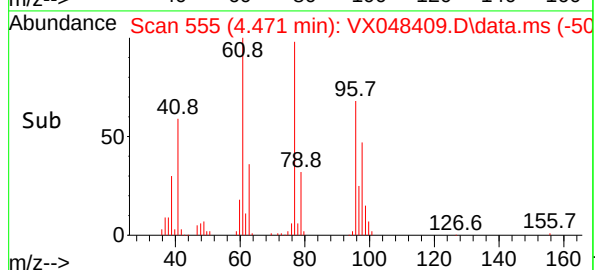
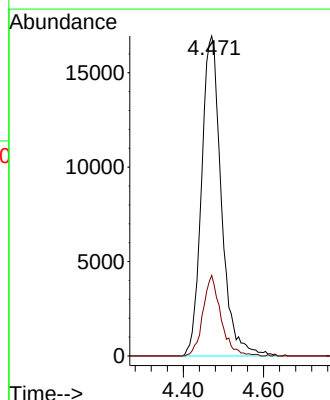
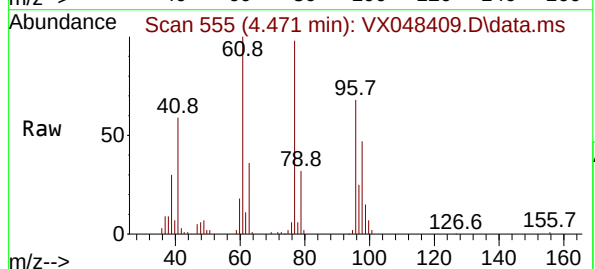
Acq: 29 Oct 2025 12:01

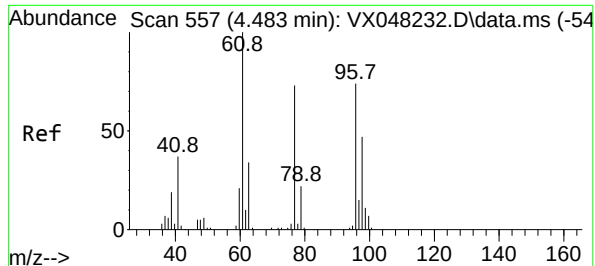
Tgt Ion: 77 Resp: 58181

Ion Ratio Lower Upper

77 100

97 22.9 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.227 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.006 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 4415

Ion Ratio Lower Upper

96 100

61 146.2 0.0 294.2

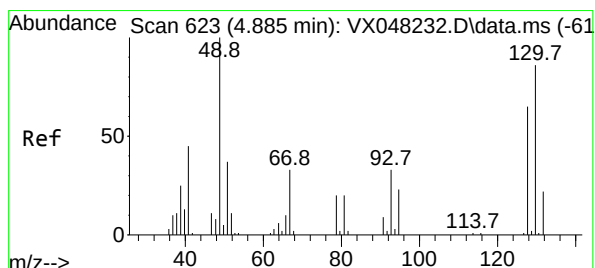
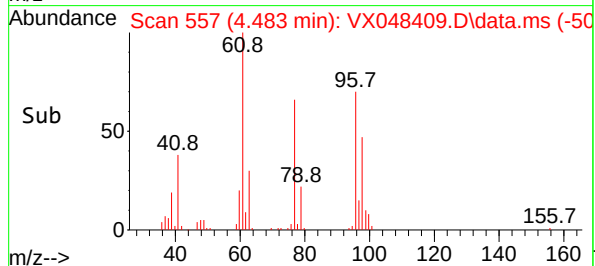
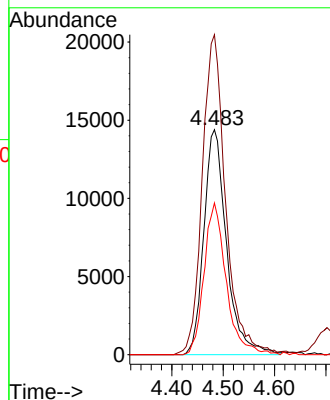
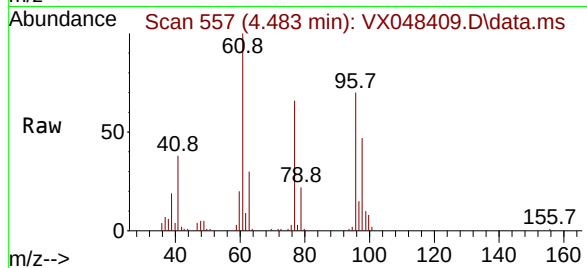
98 65.8 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#28

Bromochloromethane

Concen: 21.448 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

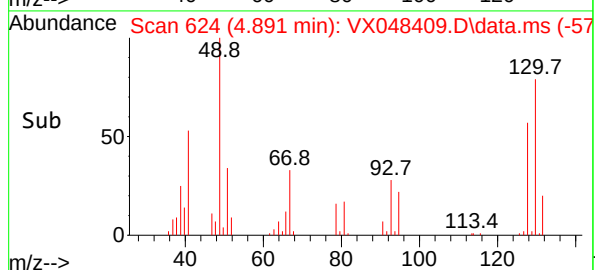
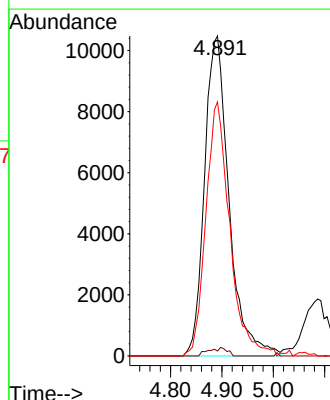
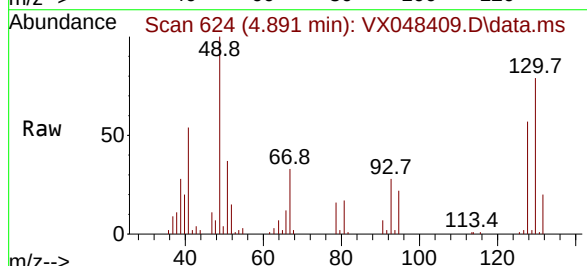
Tgt Ion: 49 Resp: 34639

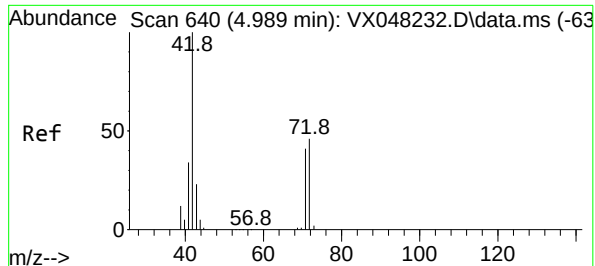
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 77.6 59.3 88.9





#29

Tetrahydrofuran

Concen: 95.658 ug/l

RT: 4.989 min Scan# 640

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

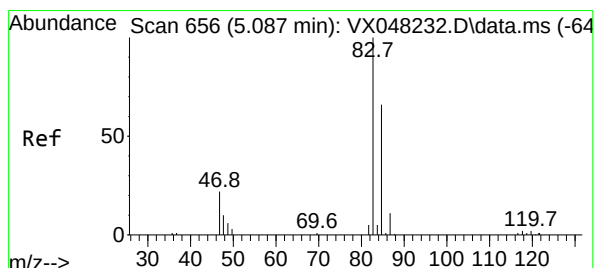
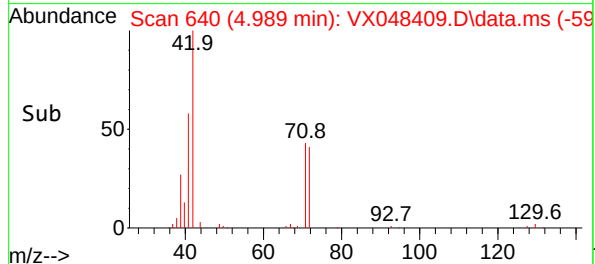
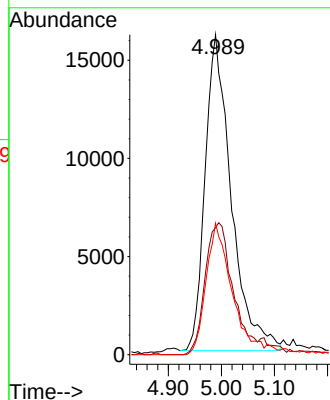
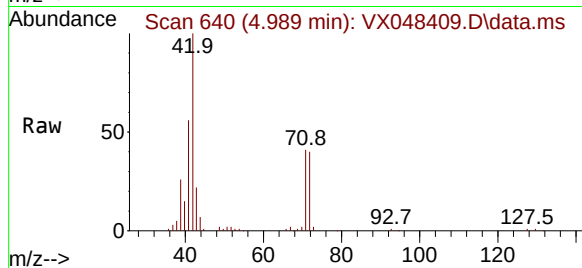
VSTDIC020

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 5520 |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 44.4  | 35.3  | 52.9 |
| 71        | 41.8  | 32.2  | 48.4 |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#30

Chloroform

Concen: 19.821 ug/l

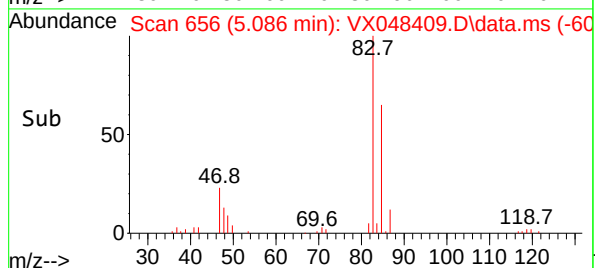
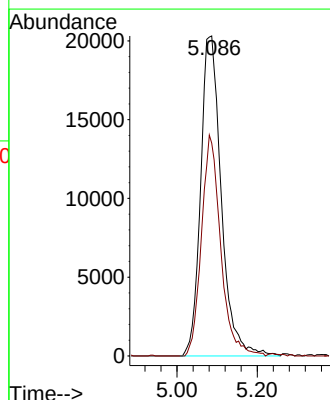
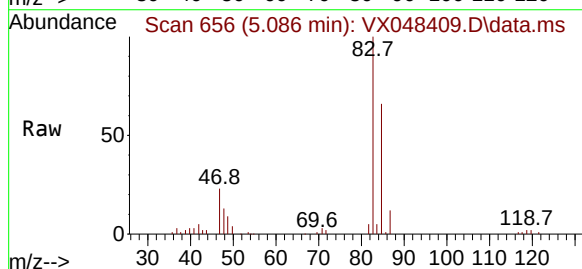
RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

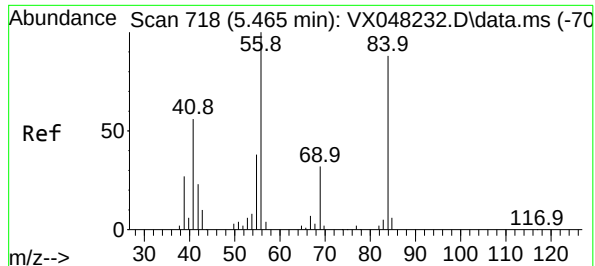
Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 72660 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 63.5  | 50.1  | 75.1  |







#31

Cyclohexane

Concen: 19.483 ug/l

RT: 5.464 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 60260

Ion Ratio Lower Upper

56 100

69 29.3 23.0 34.6

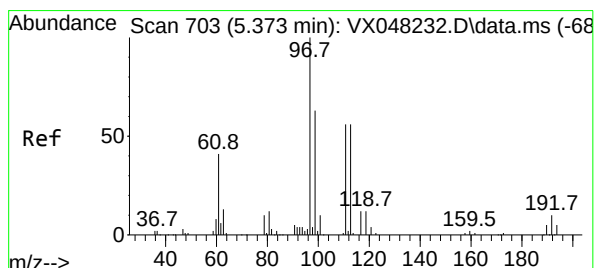
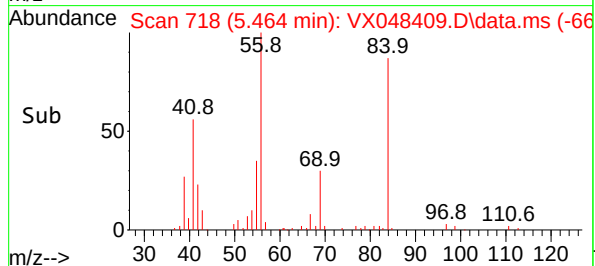
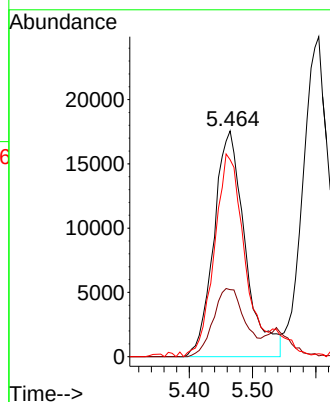
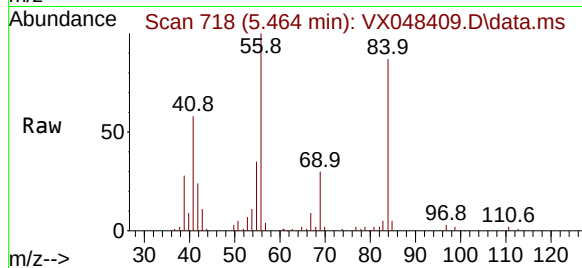
84 85.2 64.6 97.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#32

1,1,1-Trichloroethane

Concen: 19.479 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

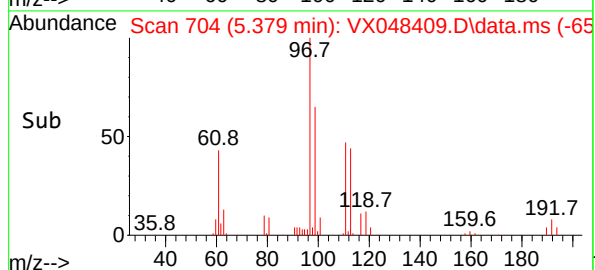
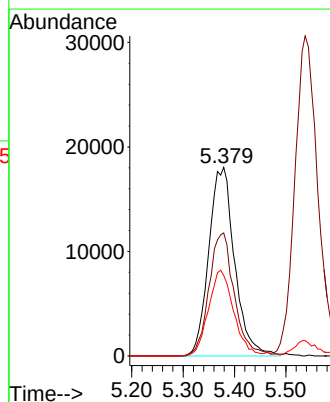
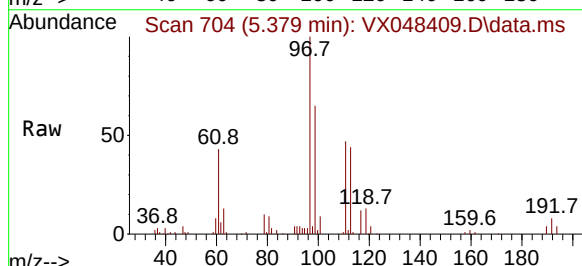
Tgt Ion: 97 Resp: 63038

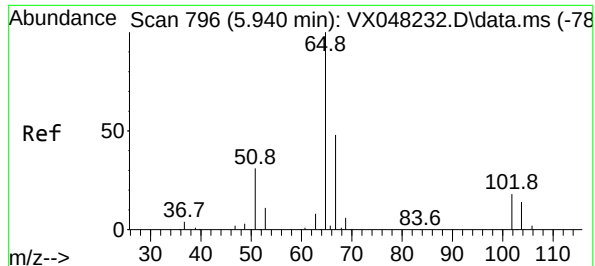
Ion Ratio Lower Upper

97 100

99 63.6 51.7 77.5

61 44.0 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 19.170 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 65 Resp: 4290

Ion Ratio Lower Upper

65 100

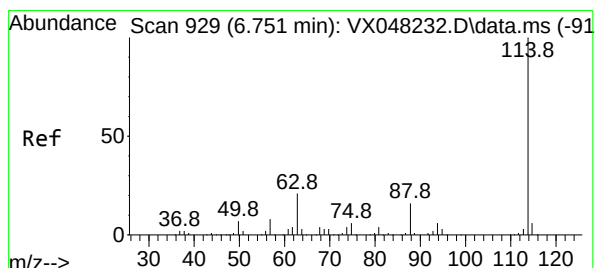
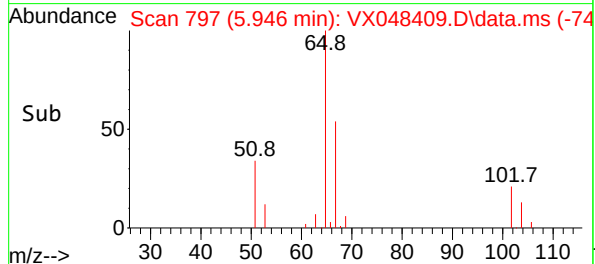
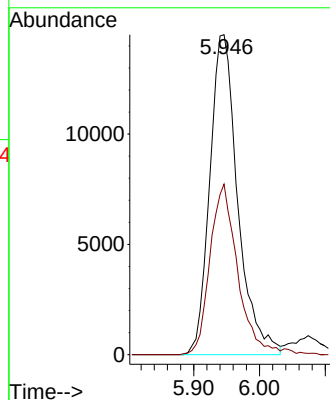
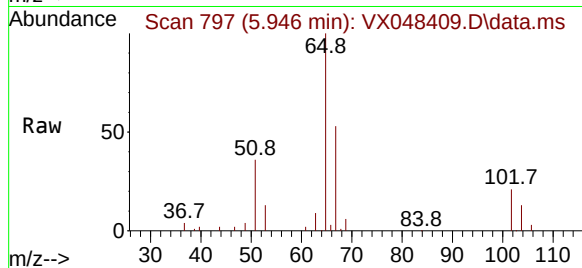
67 52.4 0.0 105.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

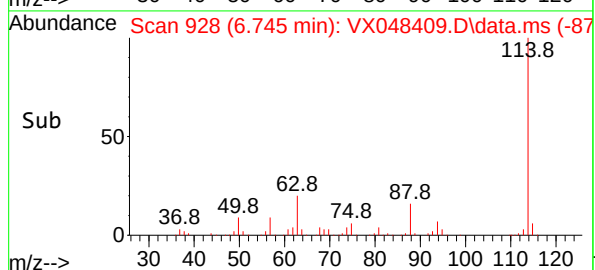
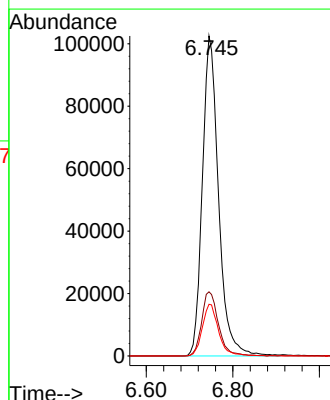
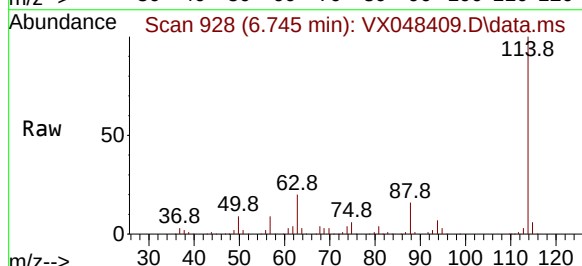
Tgt Ion:114 Resp: 265505

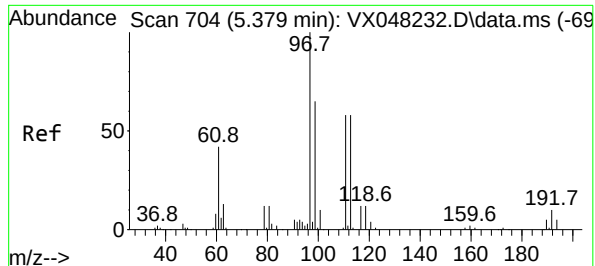
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 16.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 18.229 ug/l

RT: 5.373 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

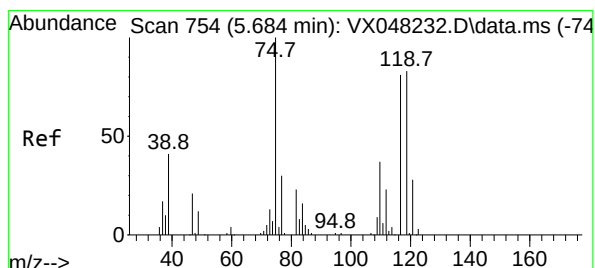
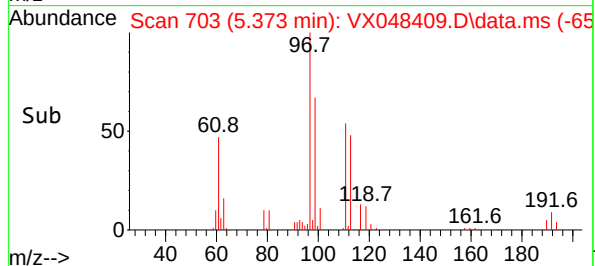
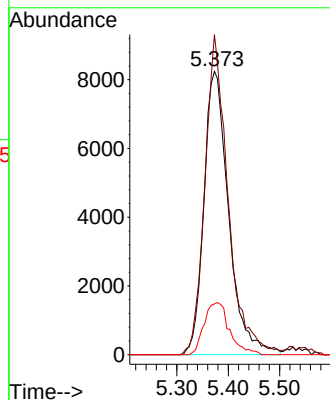
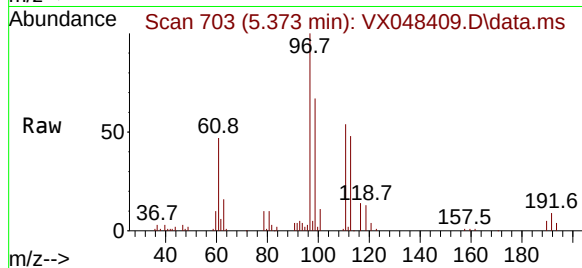
VSTDICC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 27594 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 106.1 | 82.2  | 123.4 |
| 192      | 18.8  | 15.1  | 22.7  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#36

1,1-Dichloropropene

Concen: 20.082 ug/l

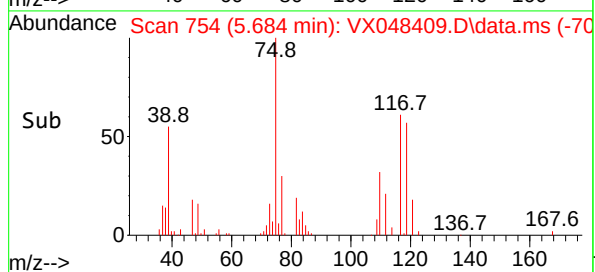
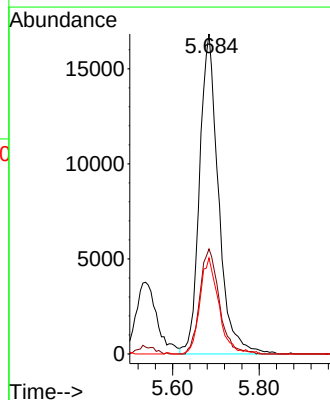
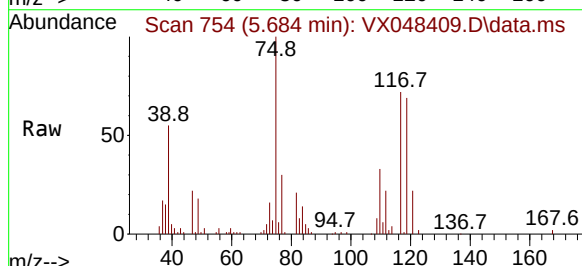
RT: 5.684 min Scan# 754

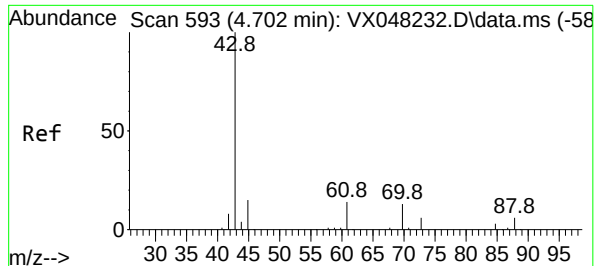
Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 51050 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 33.7  | 17.7  | 53.1  |
| 77       | 29.9  | 24.3  | 36.5  |





#37

Ethyl Acetate

Concen: 19.410 ug/l

RT: 4.702 min Scan# 593

Delta R.T. 0.006 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

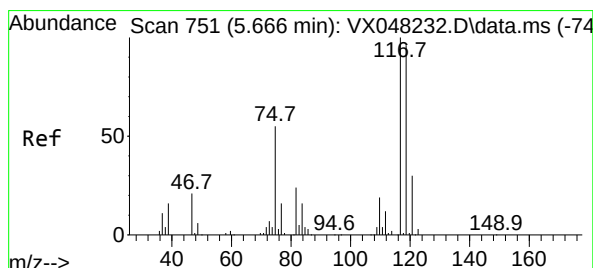
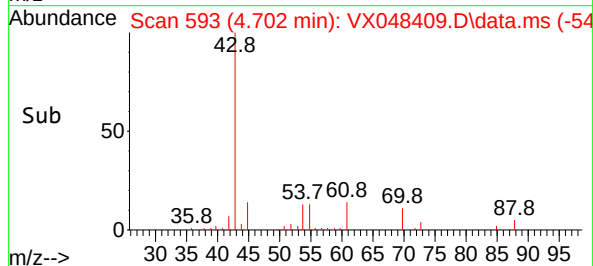
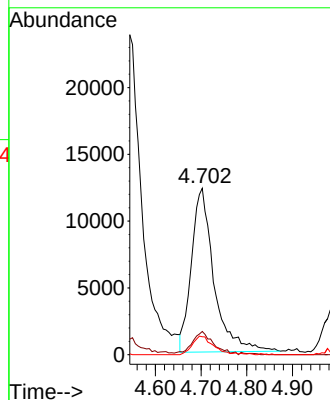
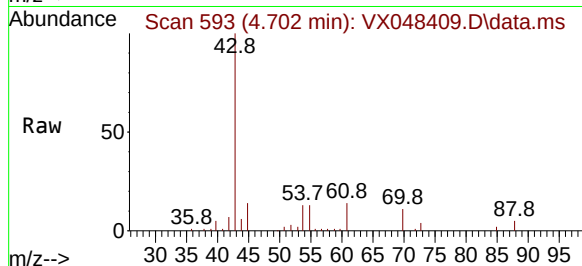
VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 42038 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 13.4  | 10.6  | 15.8  |
| 70        | 10.3  | 7.8   | 11.6  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#38

Carbon Tetrachloride

Concen: 19.094 ug/l

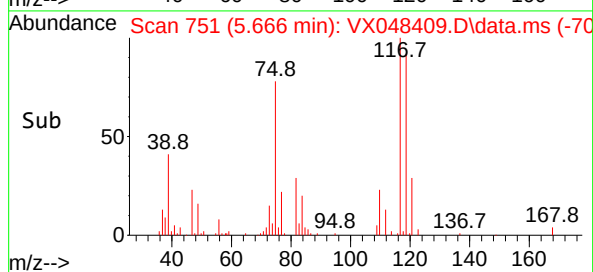
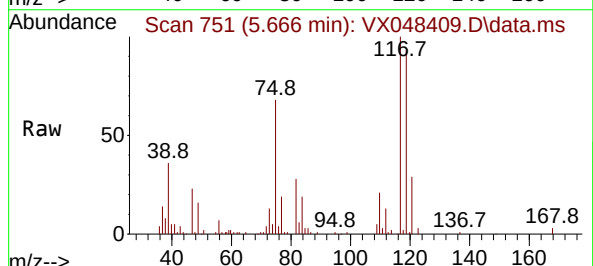
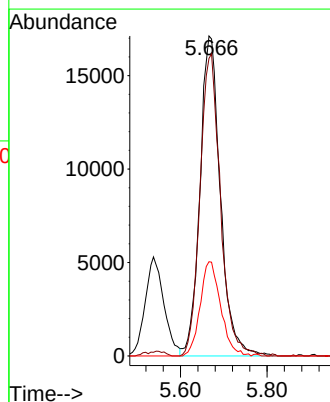
RT: 5.666 min Scan# 751

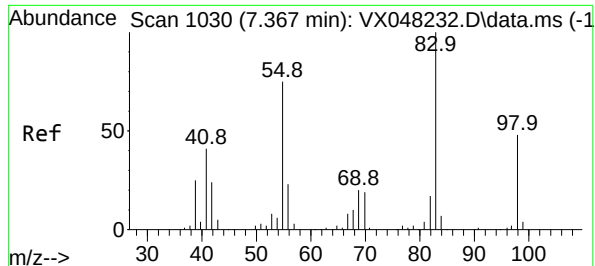
Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 56042 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 93.0  | 77.2  | 115.8 |
| 121       | 29.4  | 24.8  | 37.2  |





#39

Methylcyclohexane

Concen: 18.370 ug/l

RT: 7.366 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

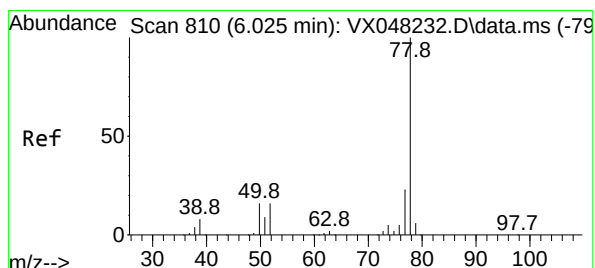
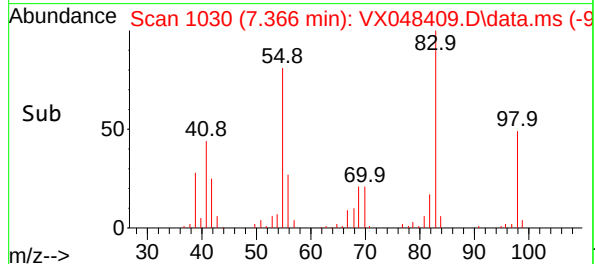
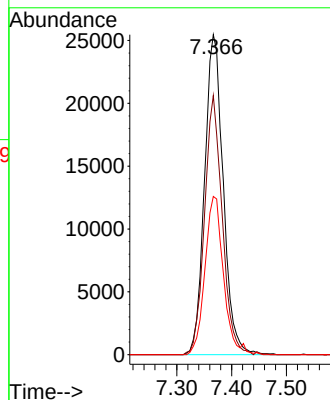
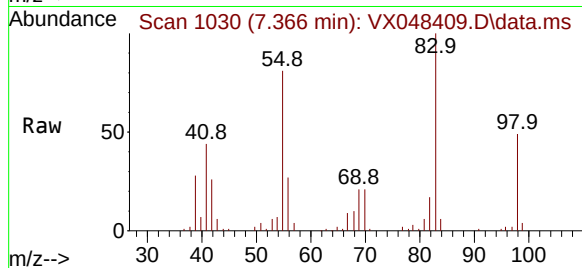
VSTDICC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 60050 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 80.9  | 66.2  | 99.2  |
| 98       | 49.5  | 38.9  | 58.3  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#40

Benzene

Concen: 19.926 ug/l

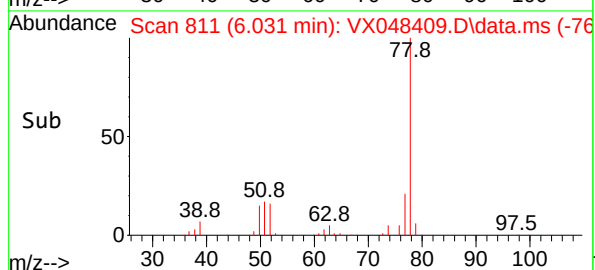
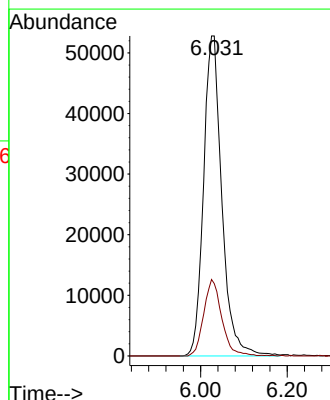
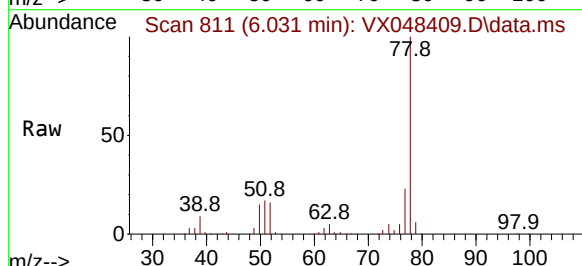
RT: 6.031 min Scan# 811

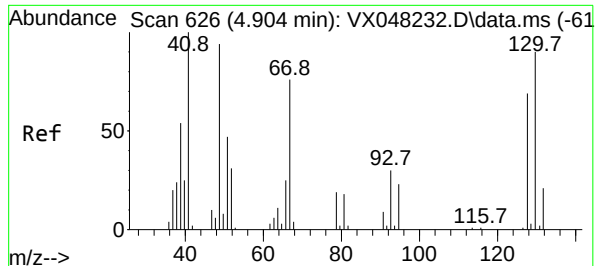
Delta R.T. 0.006 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

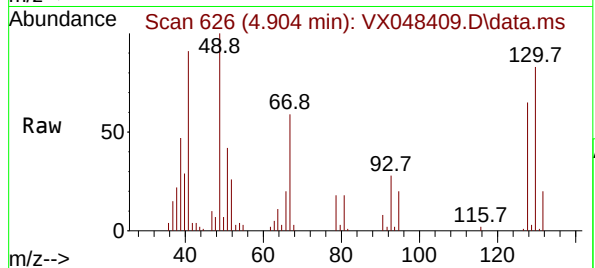
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 154747 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 22.6  | 19.3  | 28.9   |





#41  
Methacrylonitrile  
Concen: 19.952 ug/l  
RT: 4.904 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

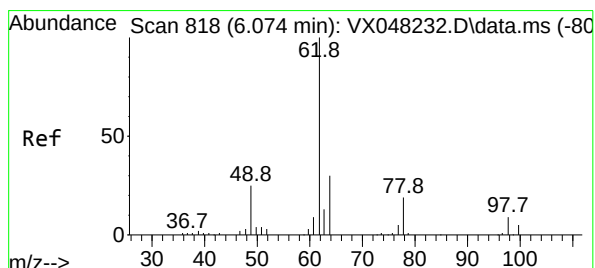
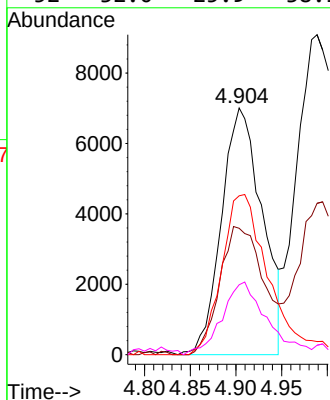
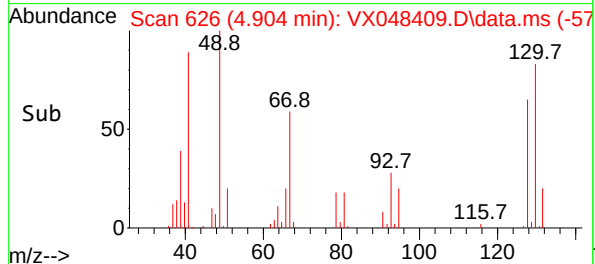
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020



Tgt Ion: 41 Resp: 2176  
Ion Ratio Lower Upper  
41 100  
39 55.6 44.0 66.0  
67 74.7 58.7 88.1  
52 32.0 25.9 38.9

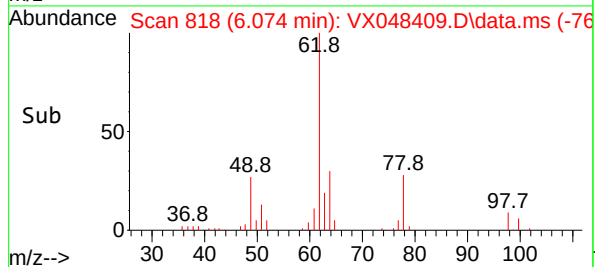
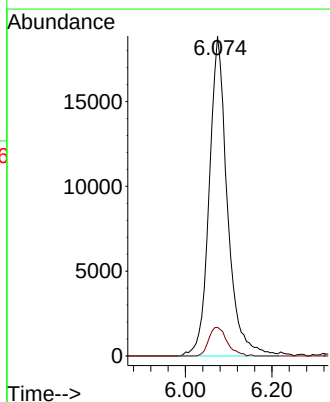
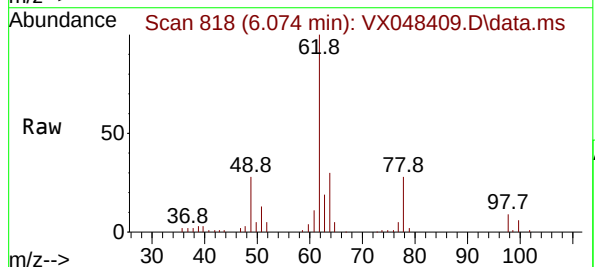
Manual Integrations  
APPROVED

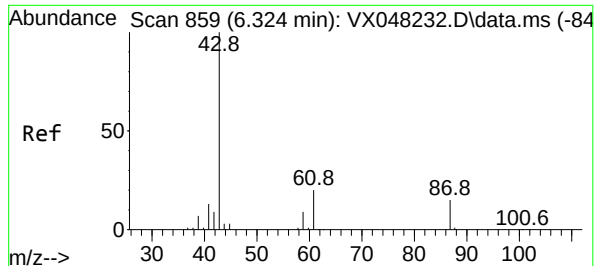
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#42  
1,2-Dichloroethane  
Concen: 20.153 ug/l  
RT: 6.074 min Scan# 818  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Tgt Ion: 62 Resp: 55126  
Ion Ratio Lower Upper  
62 100  
98 9.1 0.0 17.2





#43

Isopropyl Acetate

Concen: 19.711 ug/l

RT: 6.324 min Scan# 859

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

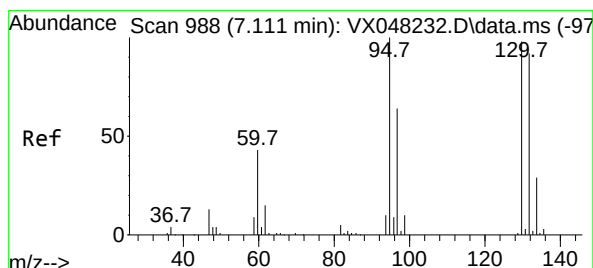
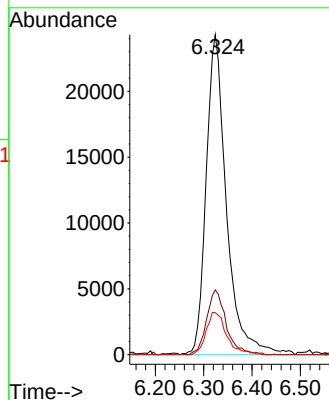
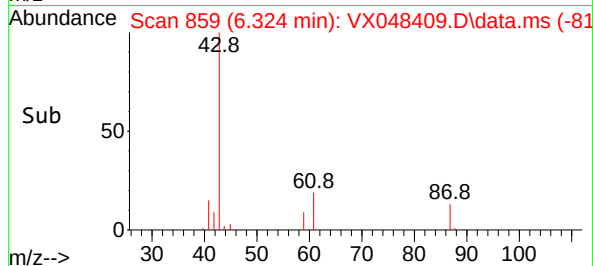
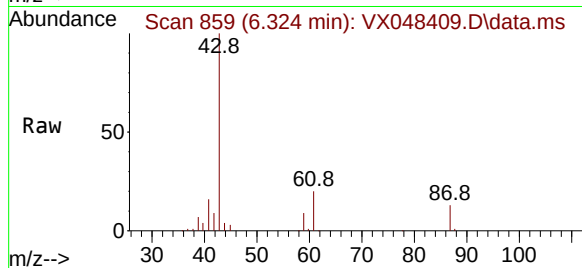
VSTDICC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 70480 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 19.6  | 14.9  | 22.3  |
| 87       | 13.3  | 9.4   | 14.2  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#44

Trichloroethene

Concen: 19.230 ug/l

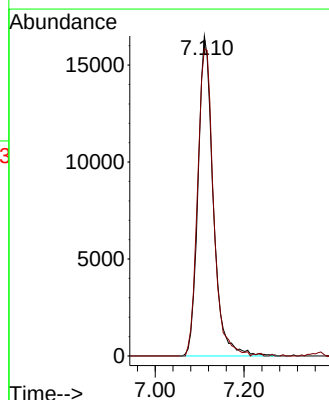
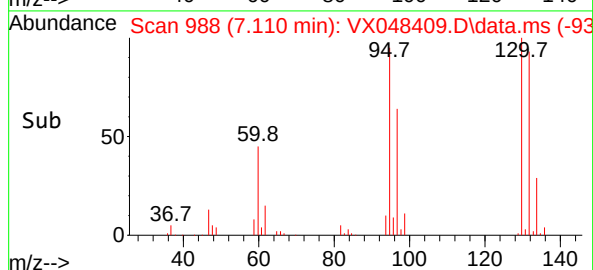
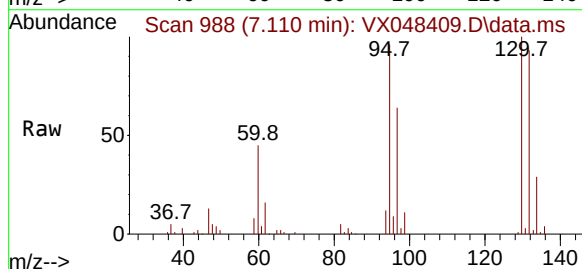
RT: 7.110 min Scan# 988

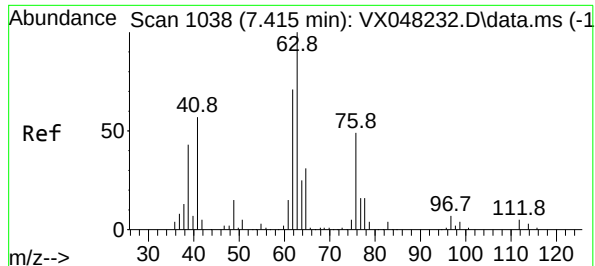
Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 39126 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 96.0  | 0.0   | 200.6 |





#45

1,2-Dichloropropane

Concen: 19.677 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 3816

Ion Ratio Lower Upper

63 100

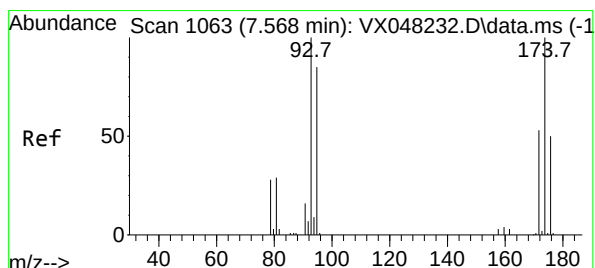
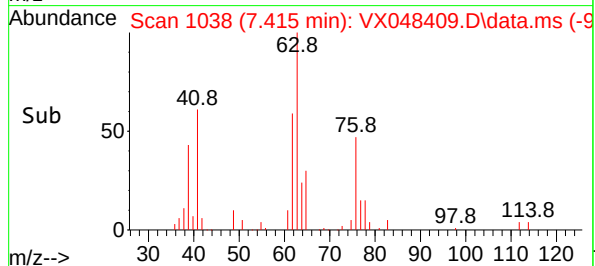
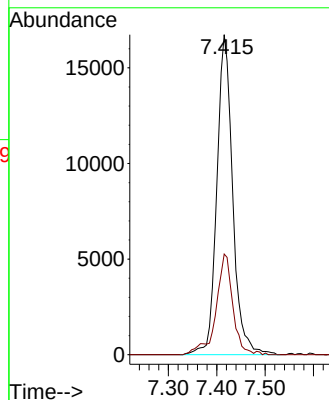
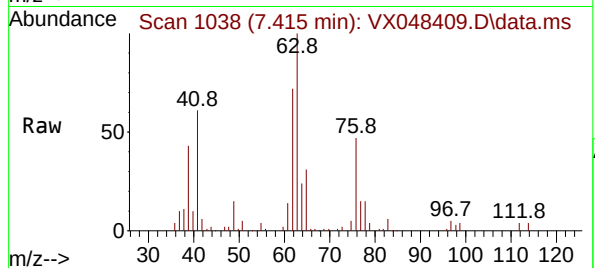
65 31.4 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#46

Dibromomethane

Concen: 19.745 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

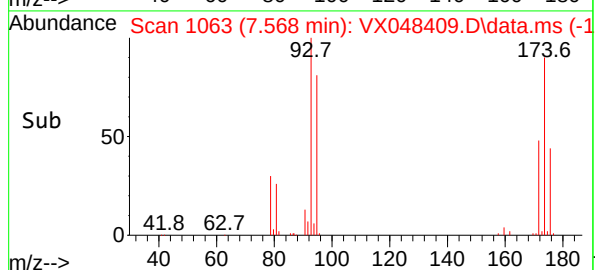
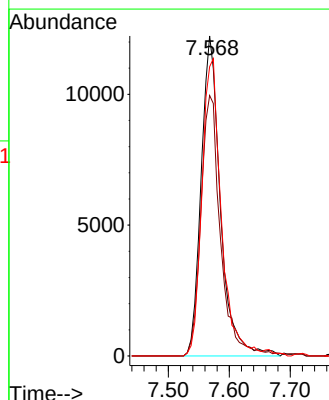
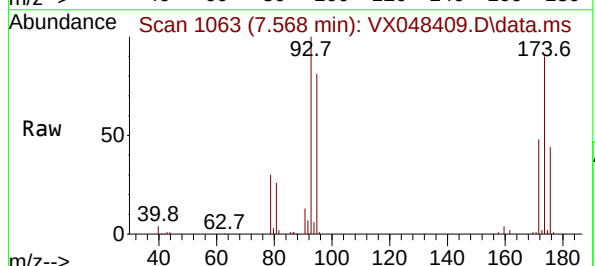
Tgt Ion: 93 Resp: 26809

Ion Ratio Lower Upper

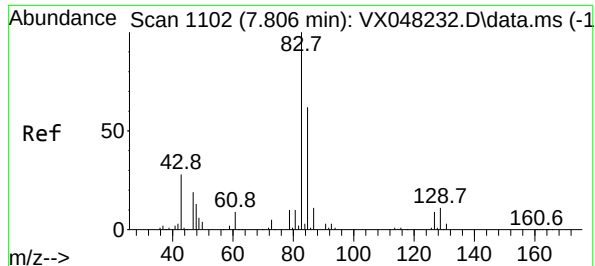
93 100

95 83.3 65.9 98.9

174 93.3 71.7 107.5







#47

Bromodichloromethane

Concen: 19.723 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

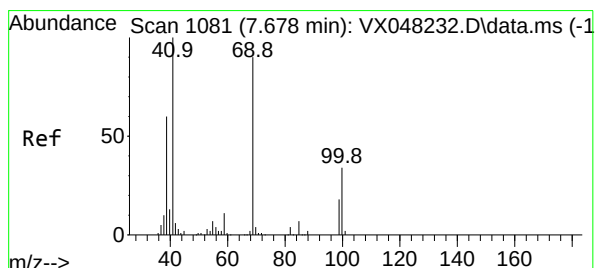
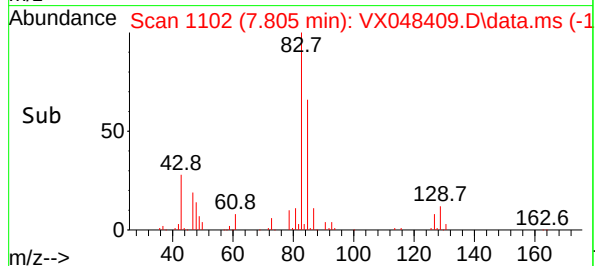
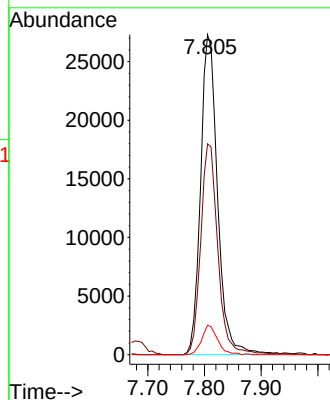
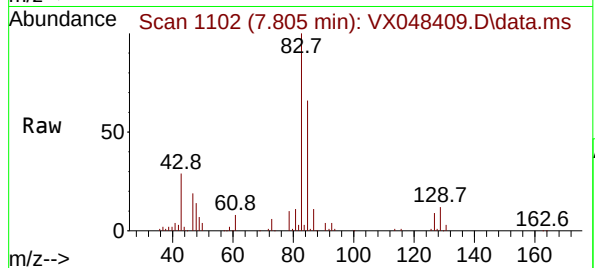
VSTDICC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 5689  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 65.1  | 52.2  | 78.4  |
| 127      | 9.0   | 7.3   | 10.9  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#48

Methyl methacrylate

Concen: 19.812 ug/l

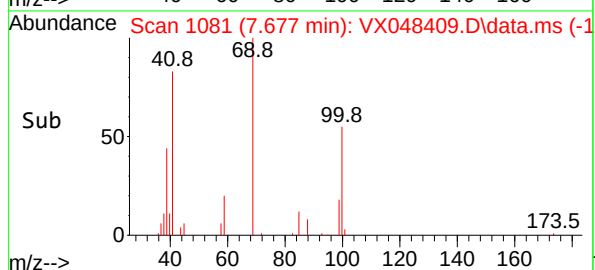
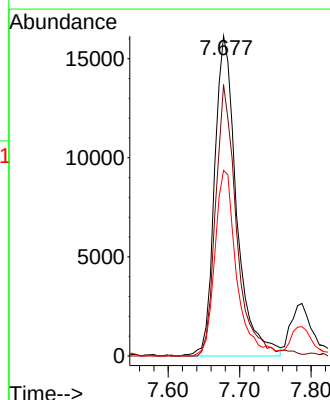
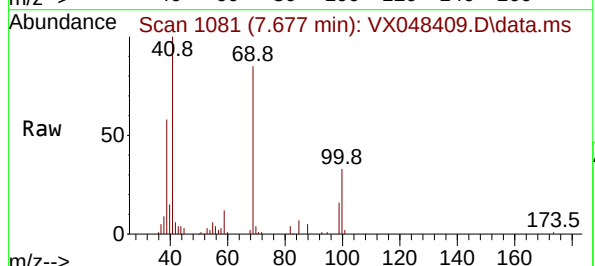
RT: 7.677 min Scan# 1081

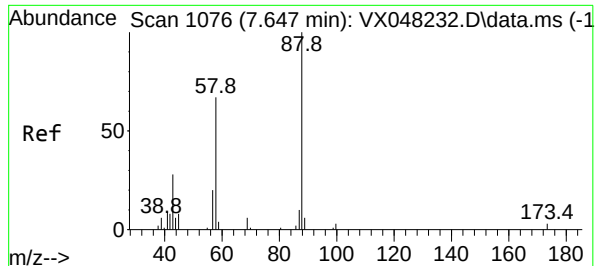
Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 34546 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 79.9  | 63.4  | 95.0  |
| 39       | 57.2  | 47.1  | 70.7  |





#49

1,4-Dioxane

Concen: 405.056 ug/l

RT: 7.641 min Scan# 1075

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

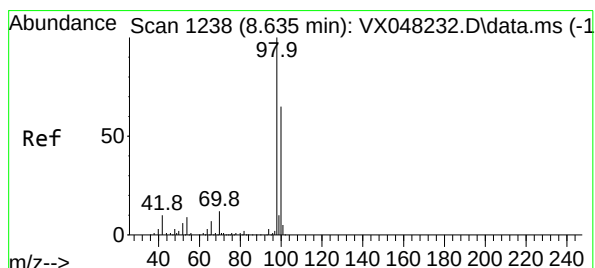
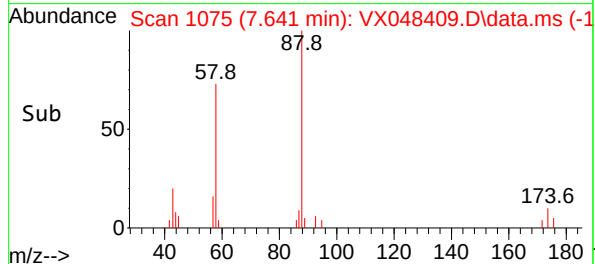
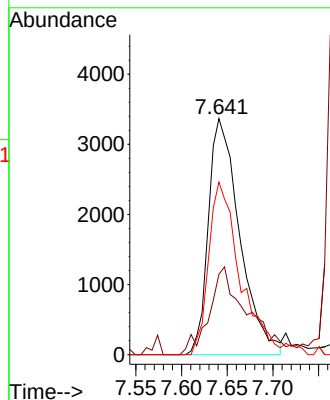
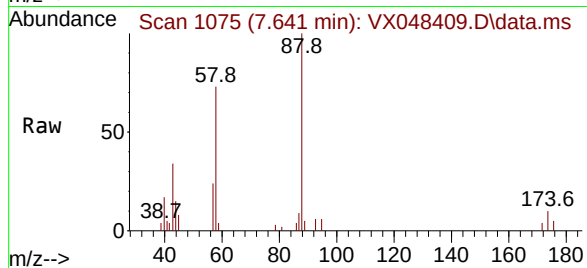
VSTDICC020

| Tgt Ion: | 88    | Resp: | 802   |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 45.7  | 35.0  | 52.4  |
| 58       | 72.9  | 61.9  | 92.9  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#50

Toluene-d8

Concen: 18.931 ug/l

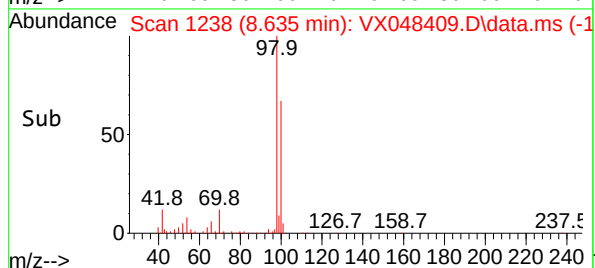
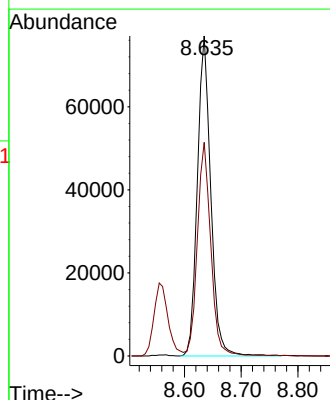
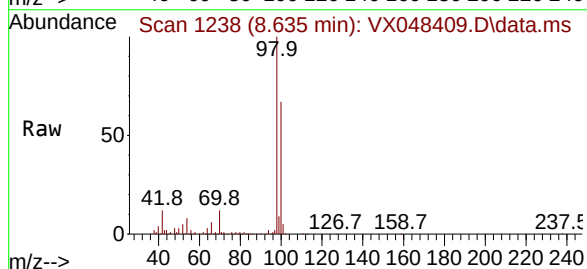
RT: 8.635 min Scan# 1238

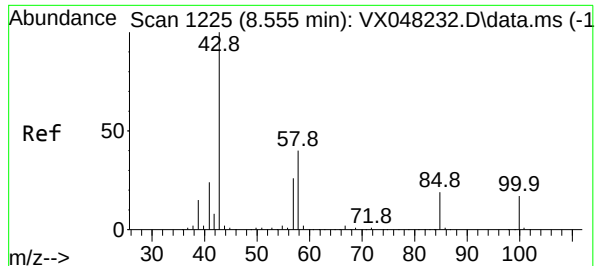
Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

| Tgt Ion: | 98    | Resp: | 126497 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 66.4  | 53.0  | 79.4   |





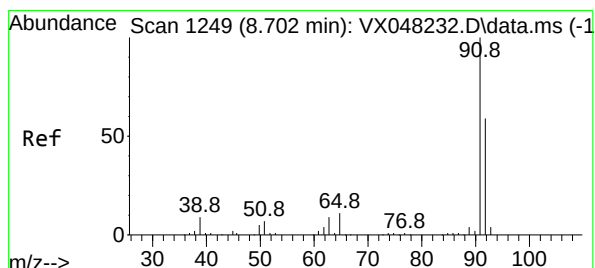
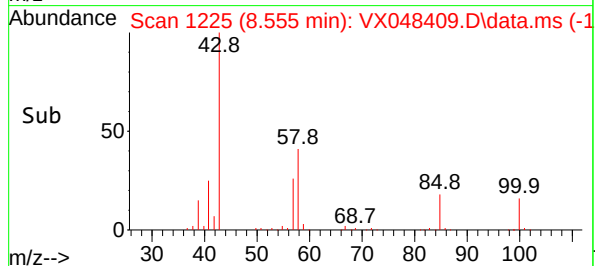
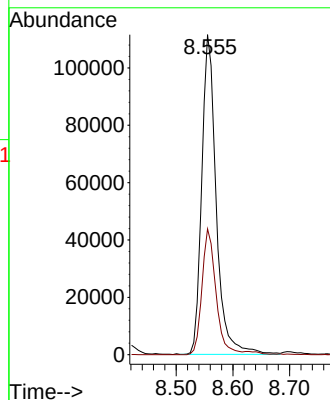
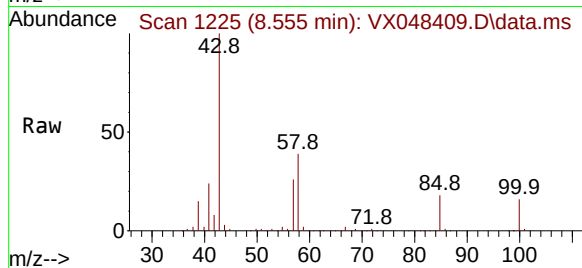
#51  
4-Methyl-2-Pentanone  
Concen: 99.558 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion: 43 Resp: 19811  
Ion Ratio Lower Upper  
43 100  
58 37.8 29.5 44.3

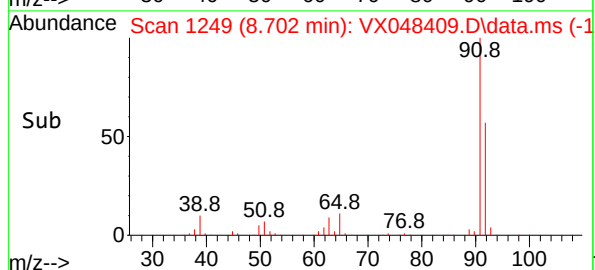
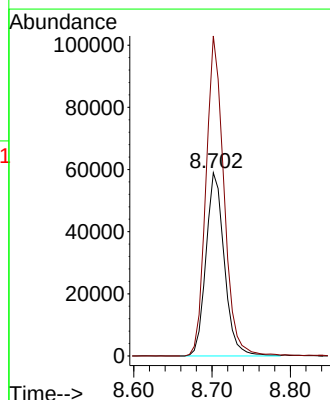
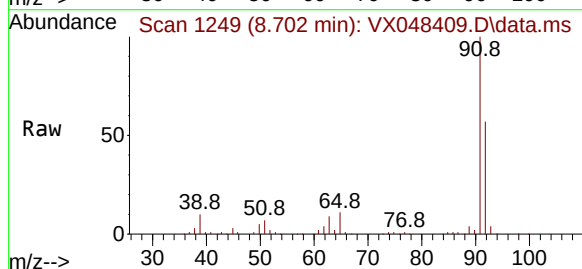
Manual Integrations  
APPROVED

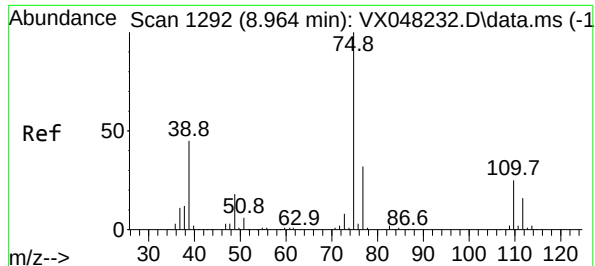
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#52  
Toluene  
Concen: 19.737 ug/l  
RT: 8.702 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Tgt Ion: 92 Resp: 95778  
Ion Ratio Lower Upper  
92 100  
91 171.3 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 20.704 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 75 Resp: 5413

Ion Ratio Lower Upper

75 100

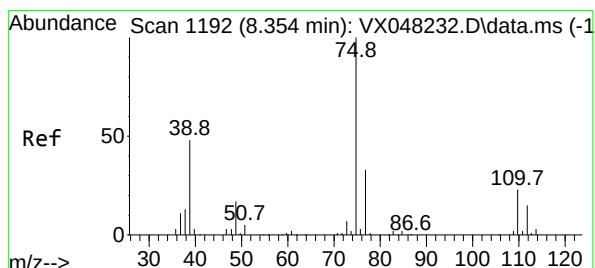
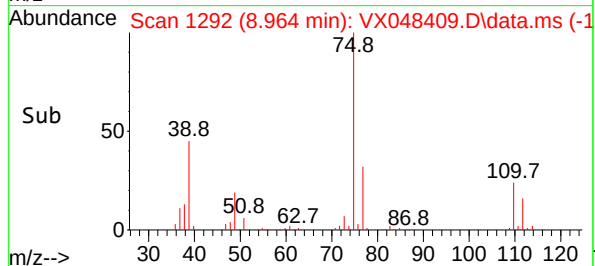
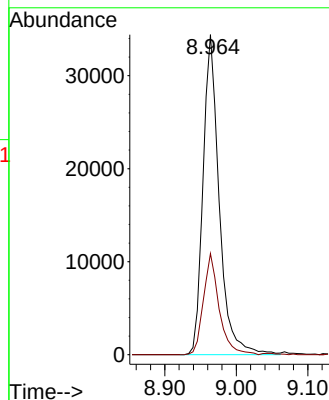
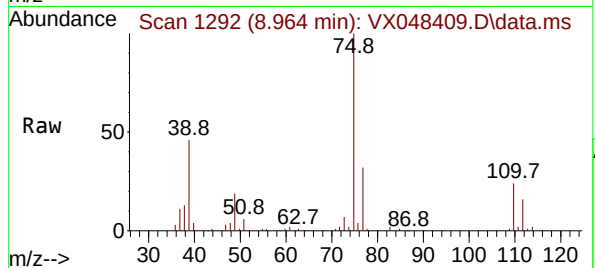
77 31.6 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#54

cis-1,3-Dichloropropene

Concen: 21.045 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

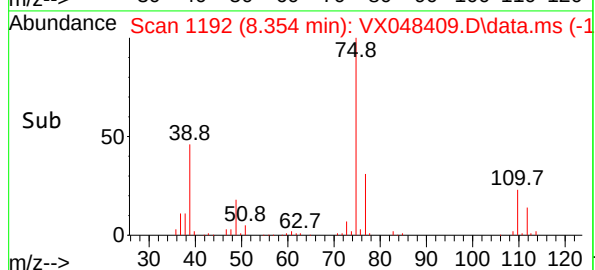
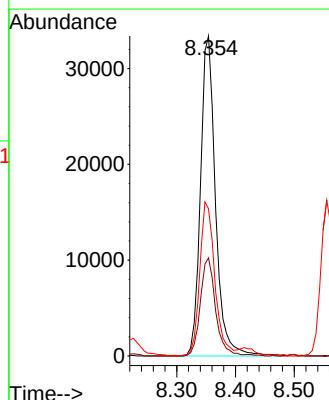
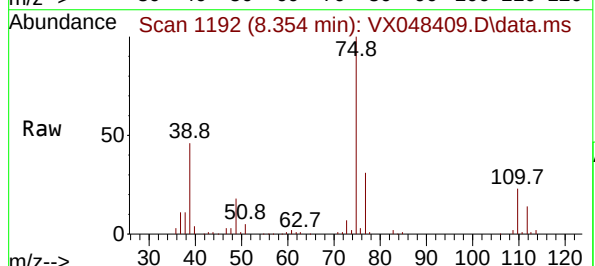
Tgt Ion: 75 Resp: 59288

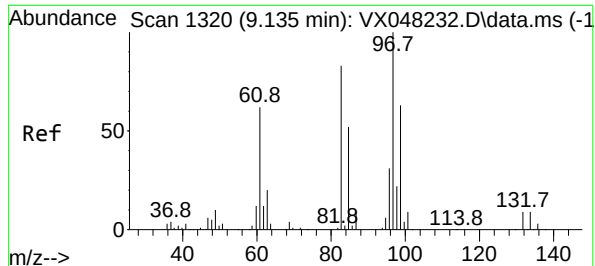
Ion Ratio Lower Upper

75 100

77 30.7 24.9 37.3

39 46.0 42.6 64.0





#55

1,1,2-Trichloroethane

Concen: 20.100 ug/l

RT: 9.134 min Scan# 1320

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

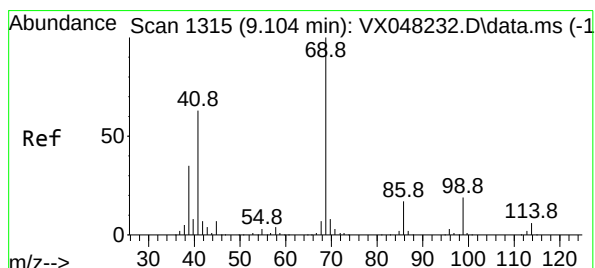
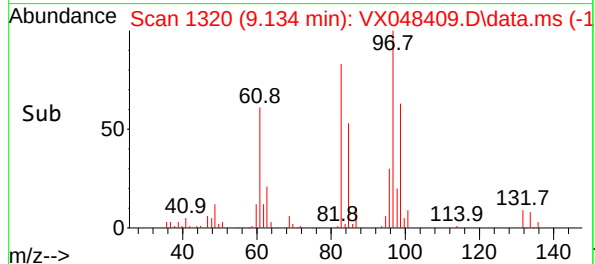
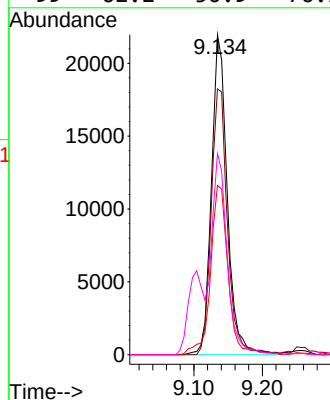
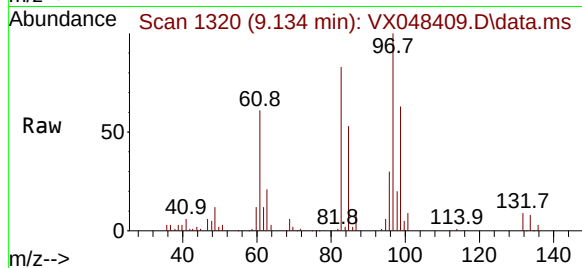
VSTDICC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 3529  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.1  | 70.6  | 105.8 |
| 85       | 52.9  | 45.0  | 67.6  |
| 99       | 62.2  | 50.9  | 76.3  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#56

Ethyl methacrylate

Concen: 19.521 ug/l

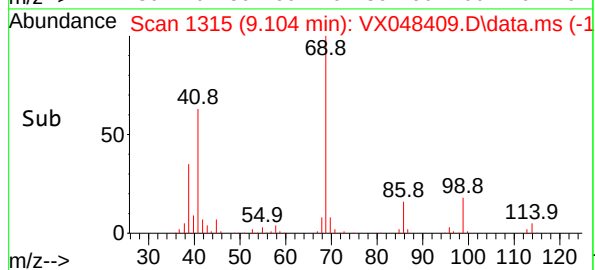
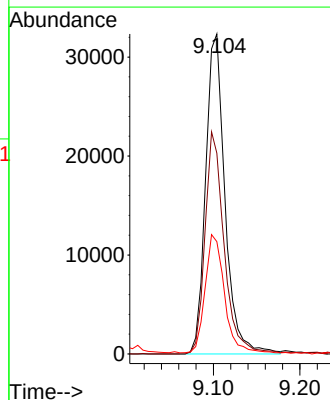
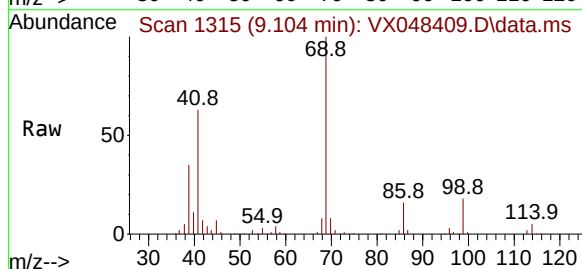
RT: 9.104 min Scan# 1315

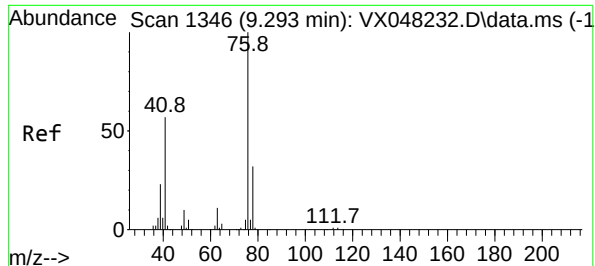
Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 50195 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 69.0  | 56.0  | 84.0  |
| 39       | 37.5  | 31.6  | 47.4  |





#57

1,3-Dichloropropane

Concen: 19.734 ug/l

RT: 9.293 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 6008

Ion Ratio Lower Upper

76 100

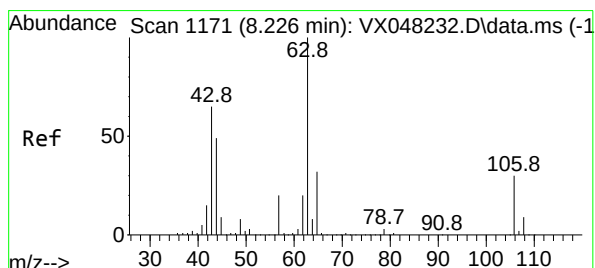
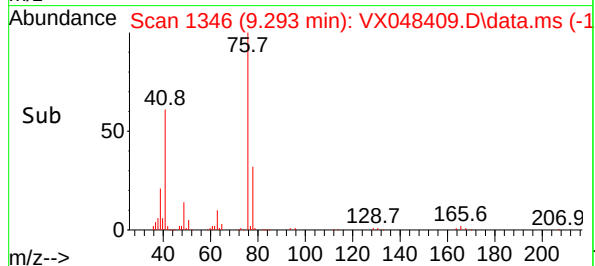
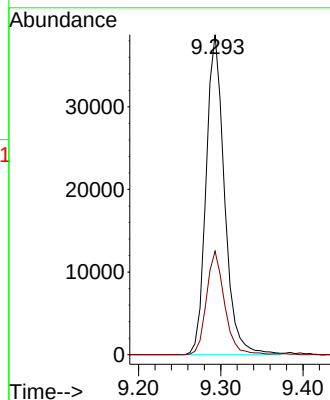
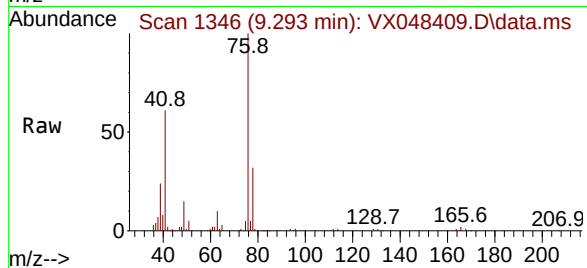
78 31.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#58

2-Chloroethyl Vinyl ether

Concen: 102.113 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX048409.D

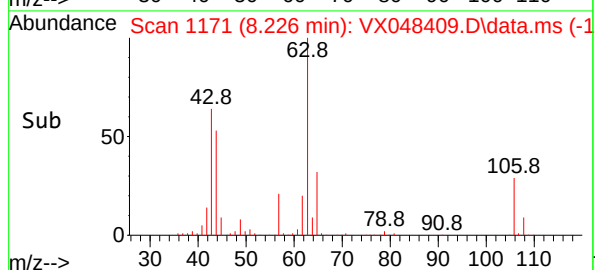
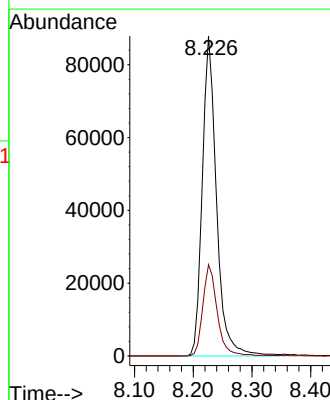
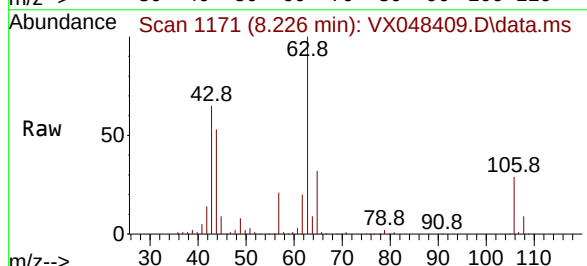
Acq: 29 Oct 2025 12:01

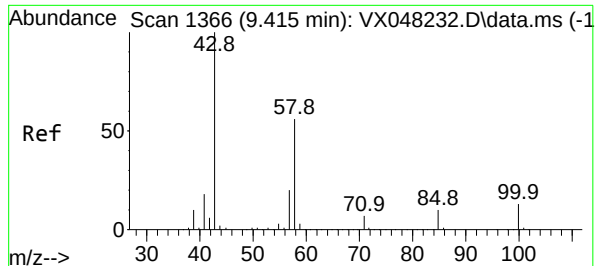
Tgt Ion: 63 Resp: 147643

Ion Ratio Lower Upper

63 100

106 28.7 22.2 33.2





#59

2-Hexanone

Concen: 101.896 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 131938

Ion Ratio Lower Upper

43

100

58

53.2

26.3

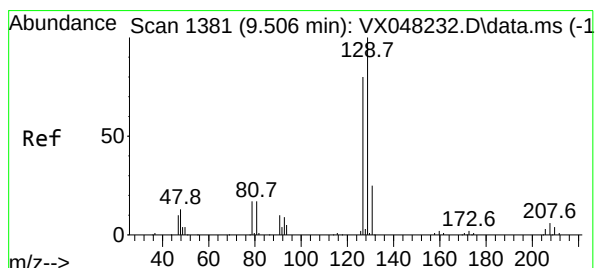
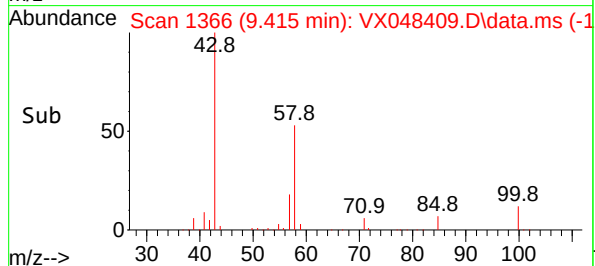
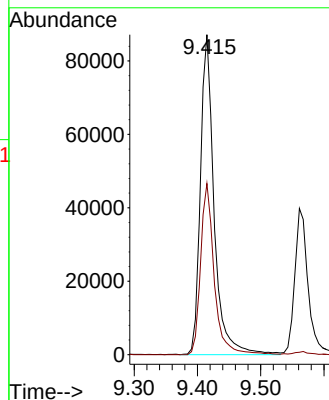
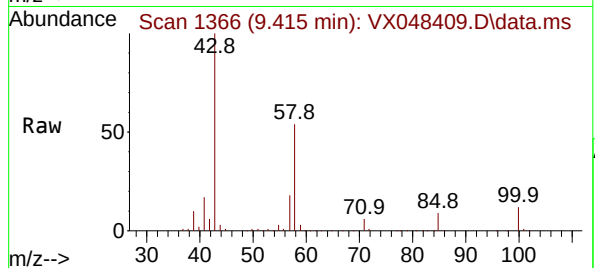
78.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#60

Dibromochloromethane

Concen: 19.711 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Tgt Ion:129 Resp: 42810

Ion Ratio Lower Upper

129

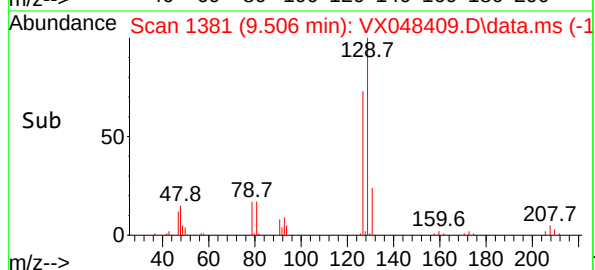
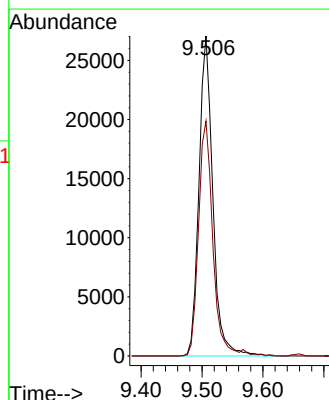
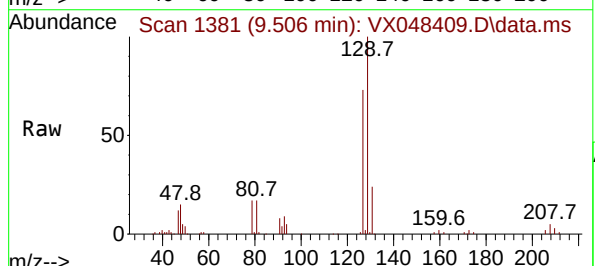
100

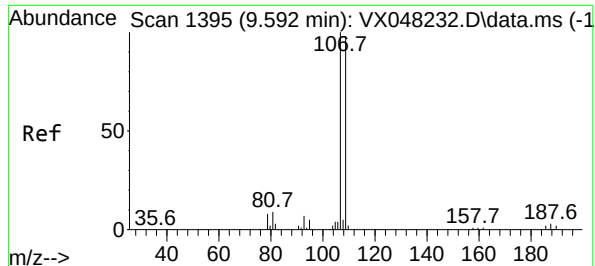
127

76.1

38.6

115.7





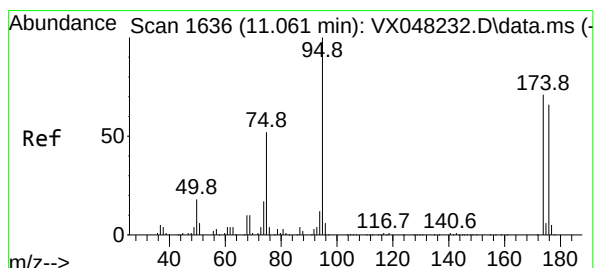
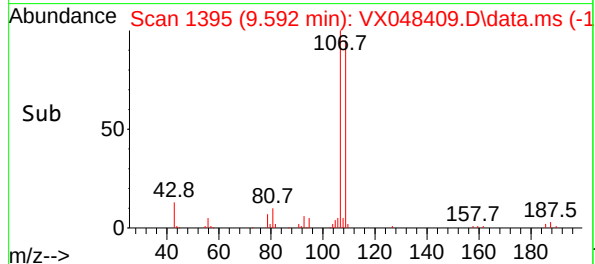
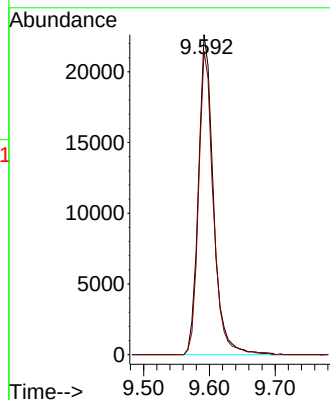
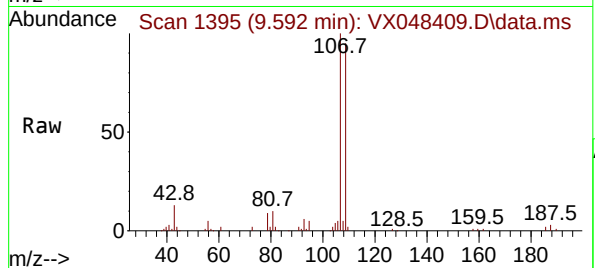
#61  
1,2-Dibromoethane  
Concen: 19.761 ug/l  
RT: 9.592 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion:107 Resp: 35900  
Ion Ratio Lower Upper  
107 100  
109 93.8 77.0 115.4

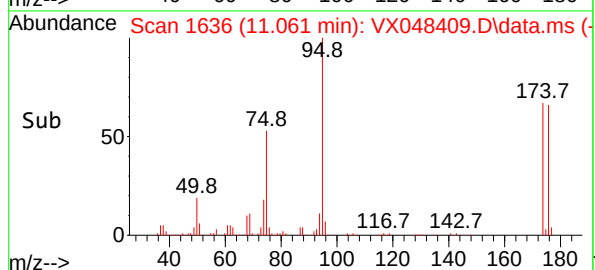
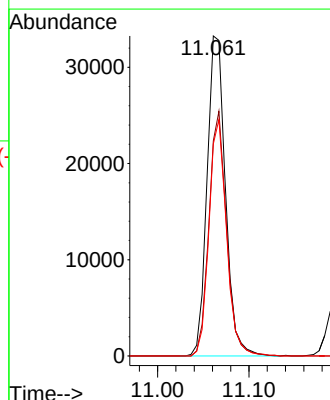
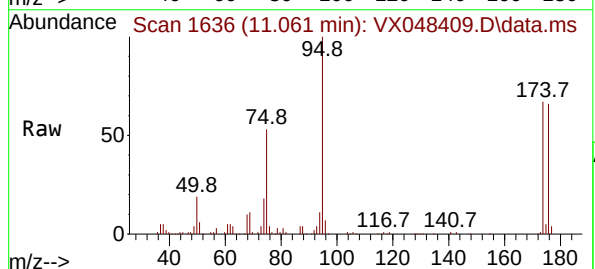
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

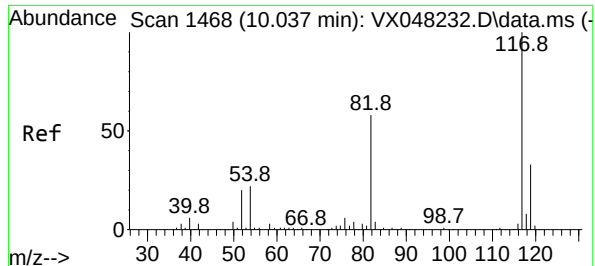


#62  
4-Bromofluorobenzene  
Concen: 18.546 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Tgt Ion: 95 Resp: 46359  
Ion Ratio Lower Upper  
95 100  
174 73.2 0.0 147.8  
176 70.6 0.0 142.8

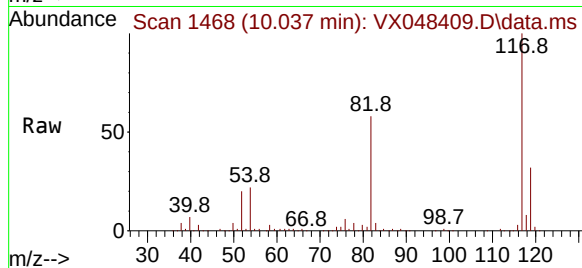






#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

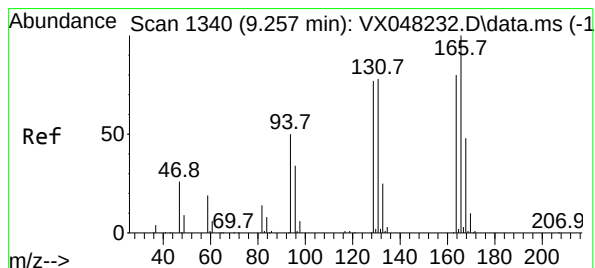
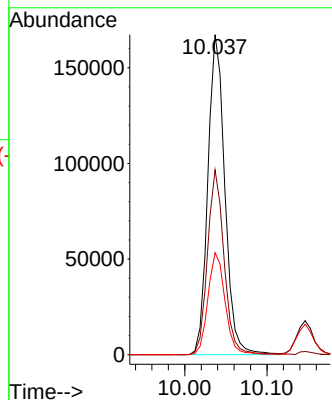
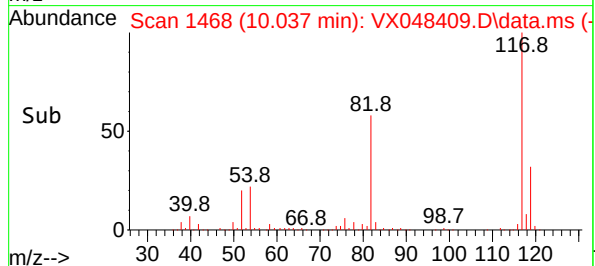
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020



Tgt Ion:117 Resp: 239952  
Ion Ratio Lower Upper  
117 100  
82 57.7 46.5 69.7  
119 31.8 25.9 38.9

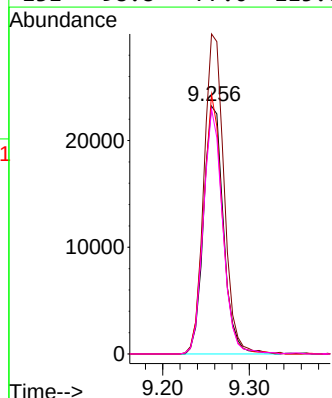
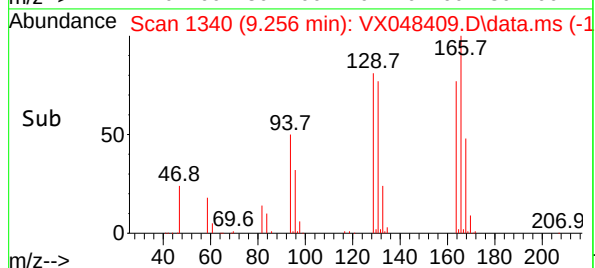
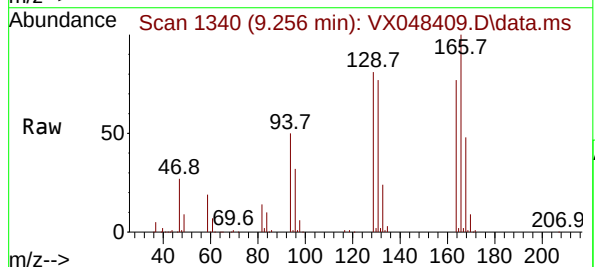
Manual Integrations  
APPROVED

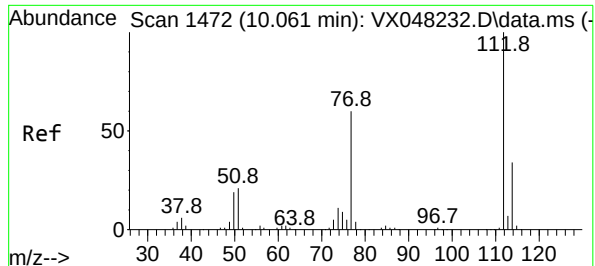
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#64  
Tetrachloroethene  
Concen: 19.095 ug/l  
RT: 9.256 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Tgt Ion:164 Resp: 36898  
Ion Ratio Lower Upper  
164 100  
166 129.1 104.5 156.7  
129 104.7 81.8 122.6  
131 98.8 77.0 115.6





#65

Chlorobenzene

Concen: 19.419 ug/l

RT: 10.061 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 10734

Ion Ratio Lower Upper

112 100

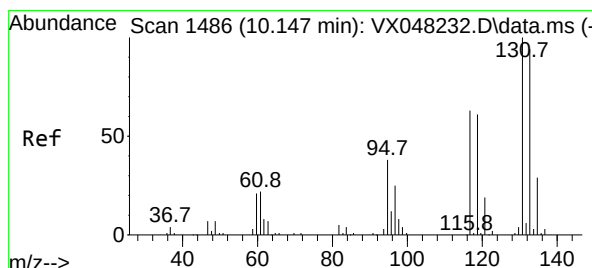
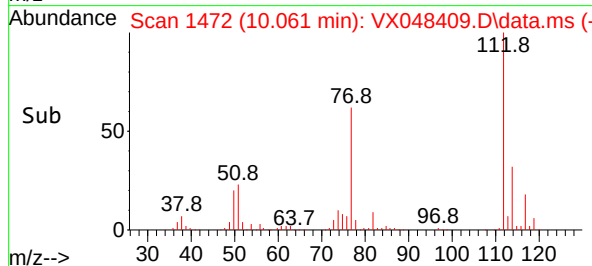
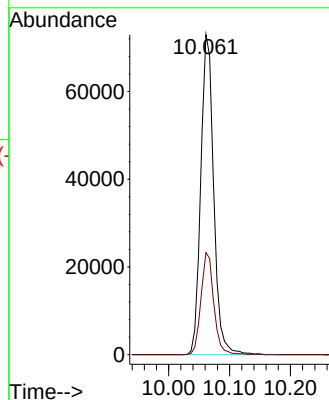
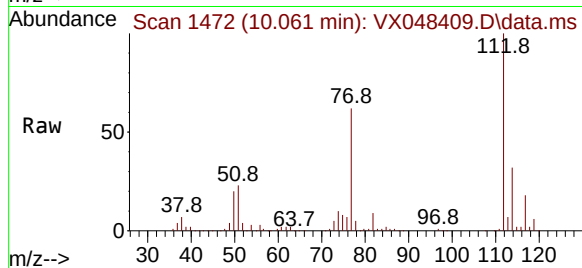
114 31.9 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 19.709 ug/l

RT: 10.146 min Scan# 1486

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

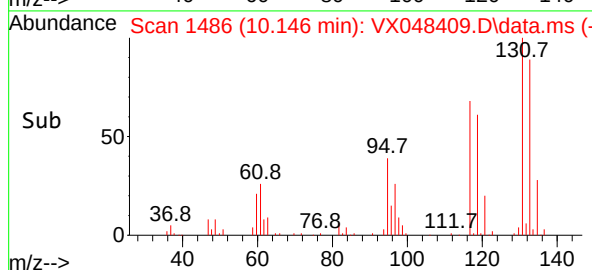
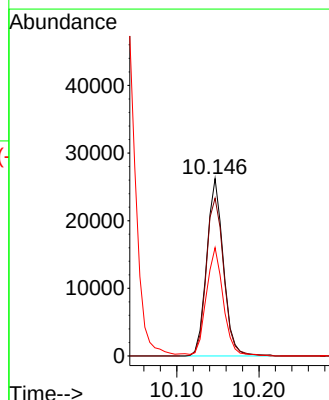
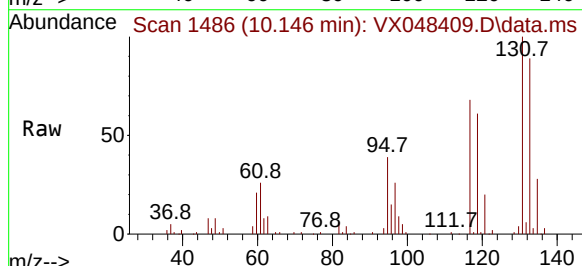
Tgt Ion:131 Resp: 37061

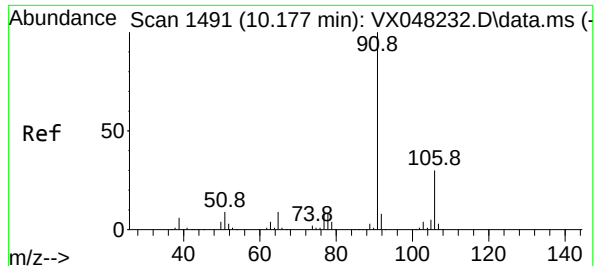
Ion Ratio Lower Upper

131 100

133 93.7 47.6 142.8

119 62.2 32.5 97.5





#67

Ethyl Benzene

Concen: 19.472 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 181239

Ion Ratio Lower Upper

91 100

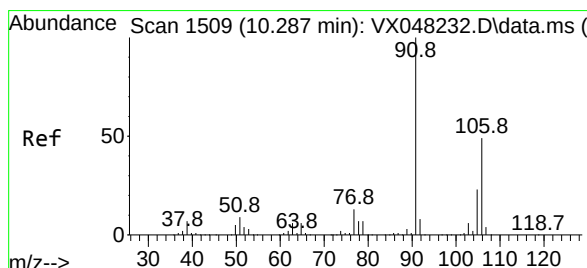
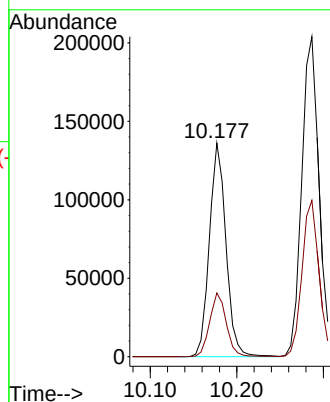
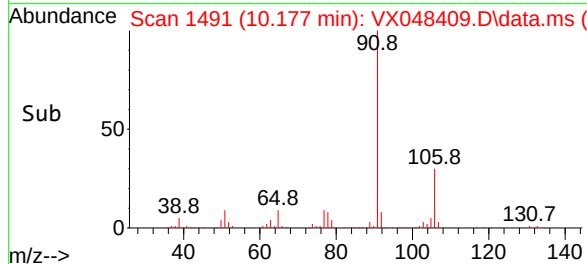
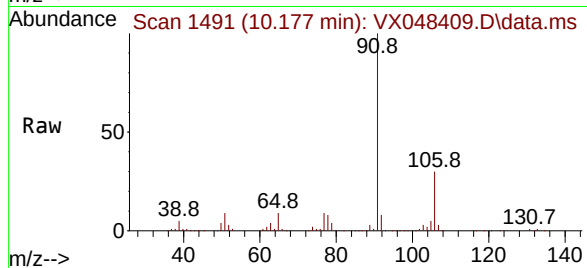
106 29.8 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#68

m/p-Xylenes

Concen: 39.097 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. 0.000 min

Lab File: VX048409.D

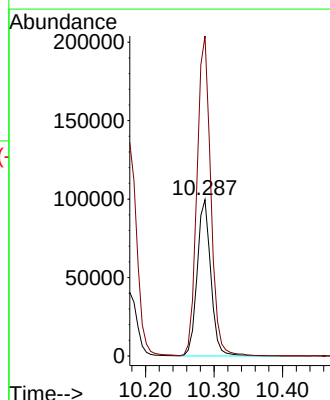
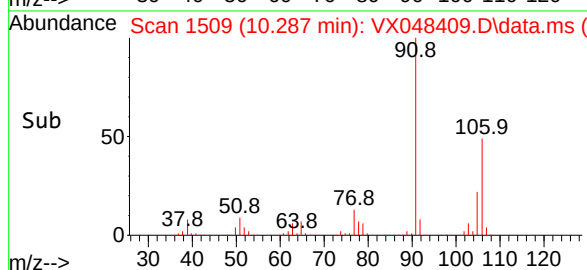
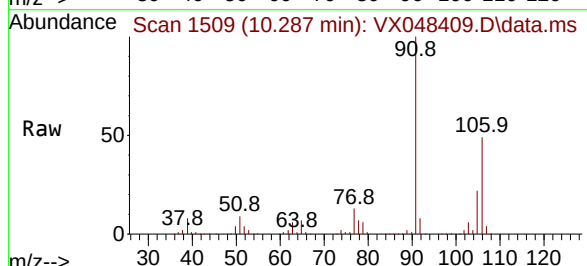
Acq: 29 Oct 2025 12:01

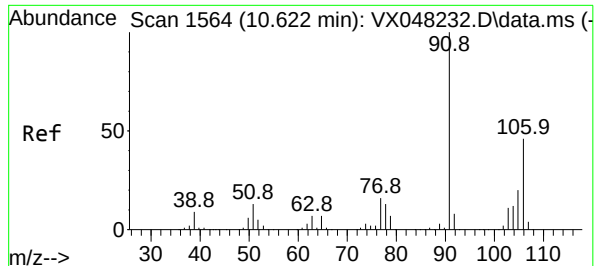
Tgt Ion:106 Resp: 137786

Ion Ratio Lower Upper

106 100

91 207.4 167.9 251.9





#69

o-Xylene

Concen: 19.564 ug/l

RT: 10.628 min Scan# 1564

Delta R.T. 0.006 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 65880

Ion Ratio Lower Upper

106 100

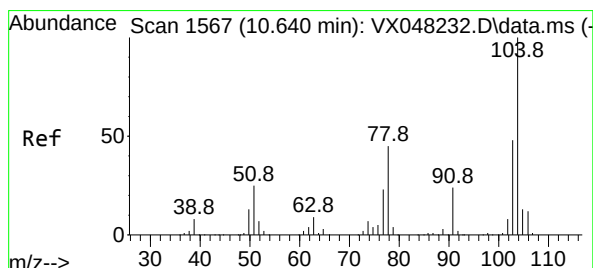
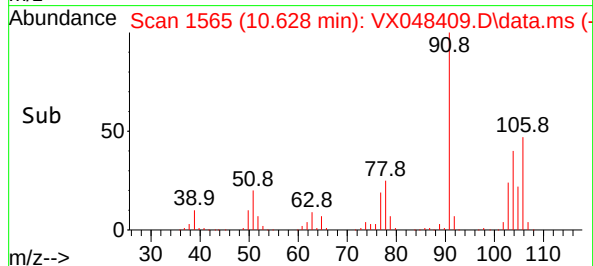
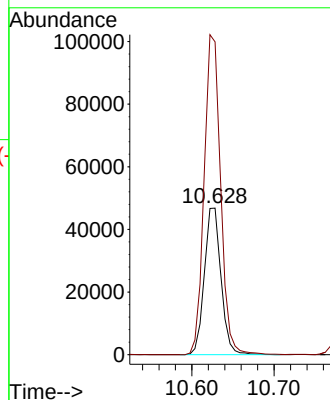
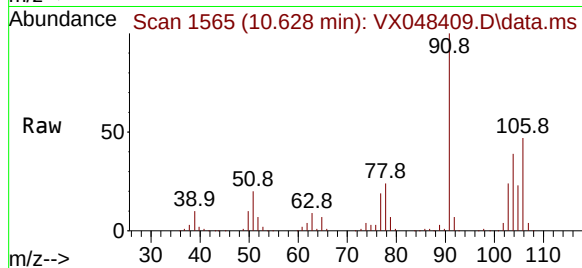
91 216.4 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#70

Styrene

Concen: 19.850 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

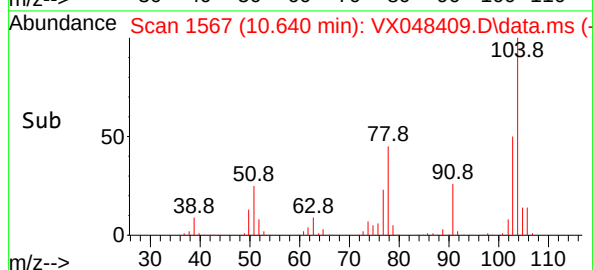
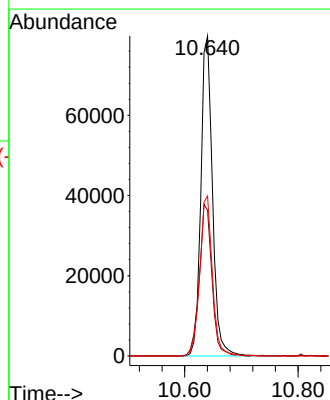
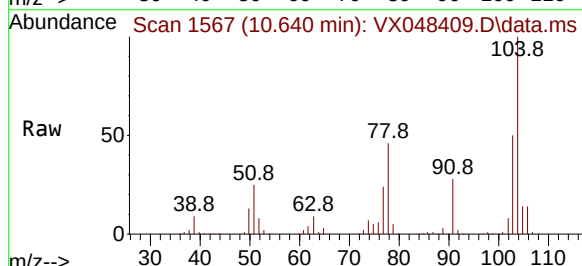
Tgt Ion:104 Resp: 113244

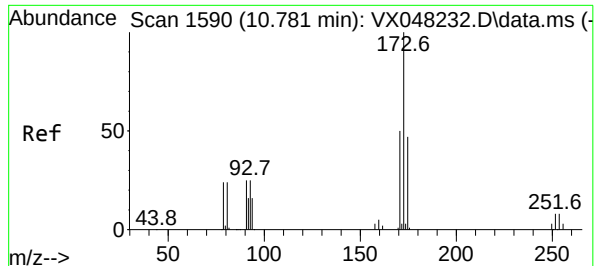
Ion Ratio Lower Upper

104 100

78 51.6 42.2 63.4

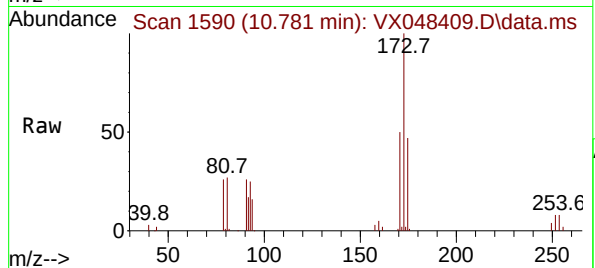
103 54.1 43.0 64.4





#71  
Bromoform  
Concen: 18.858 ug/l  
RT: 10.781 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

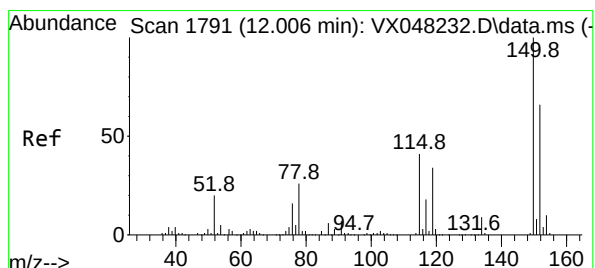
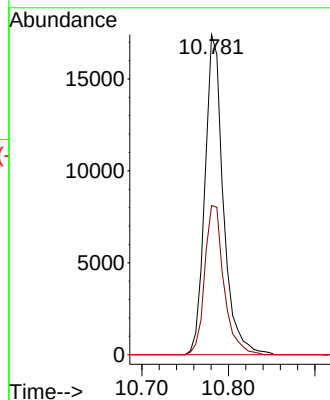
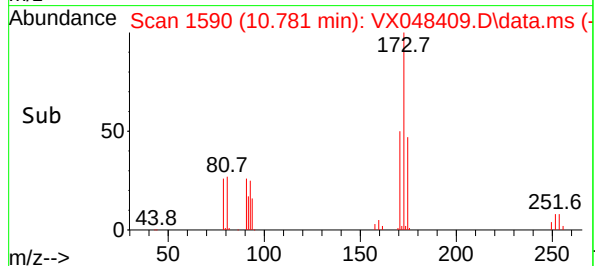
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020



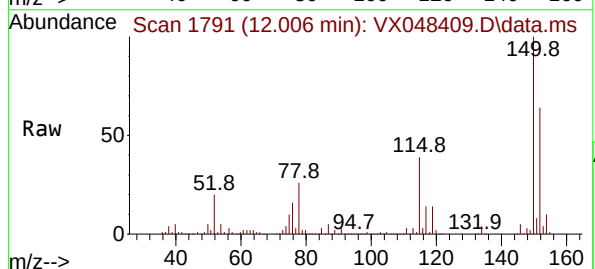
Tgt Ion:173 Resp: 25652  
Ion Ratio Lower Upper  
173 100  
175 48.6 24.0 72.0  
254 0.0 0.0 0.0

Manual Integrations  
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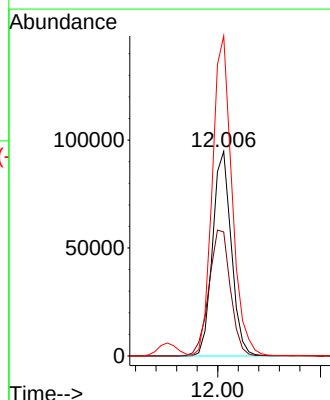
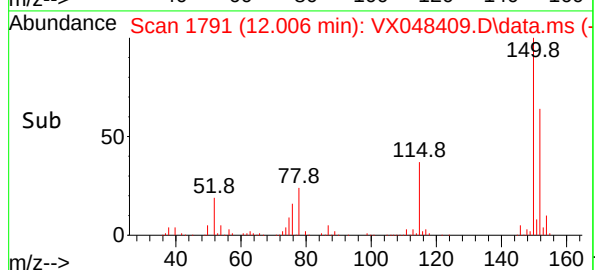
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

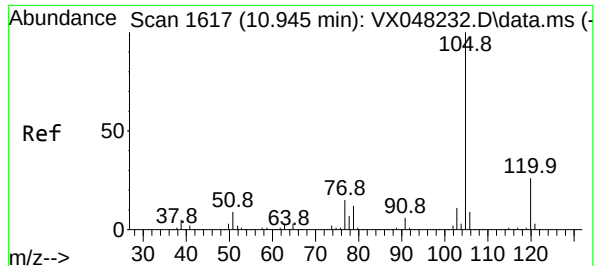


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01



Tgt Ion:152 Resp: 119721  
Ion Ratio Lower Upper  
152 100  
115 70.8 43.1 129.4  
150 164.1 0.0 353.0





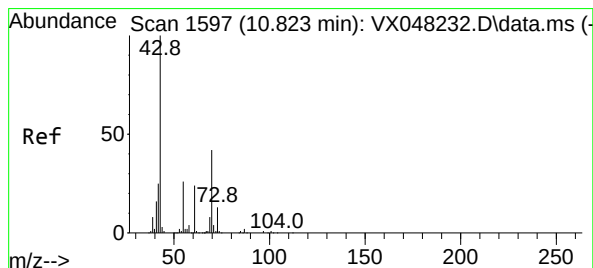
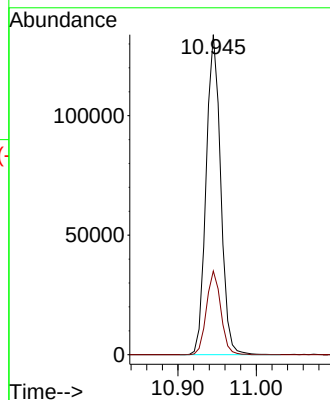
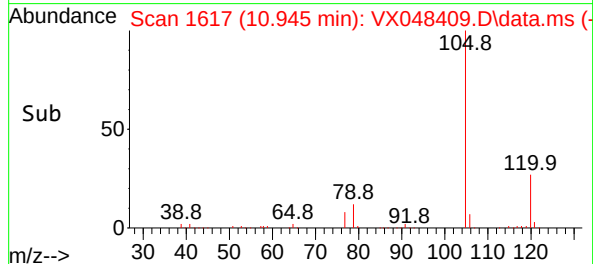
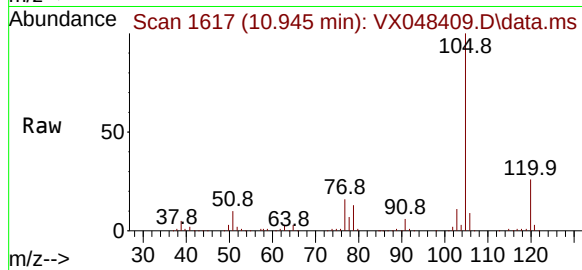
#73  
Isopropylbenzene  
Concen: 19.426 ug/l  
RT: 10.945 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion:105 Resp: 17201  
Ion Ratio Lower Upper  
105 100  
120 25.7 13.0 38.9

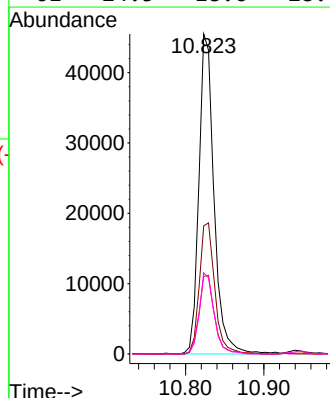
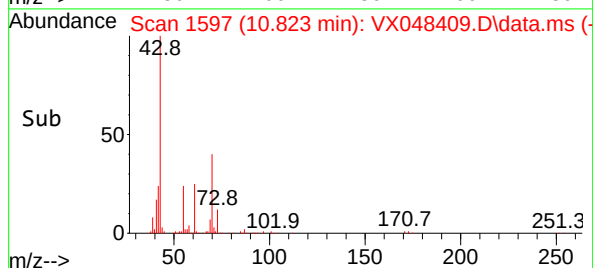
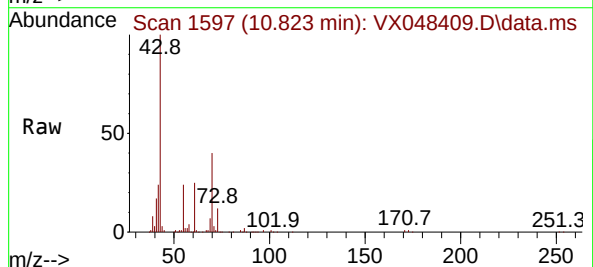
Manual Integrations  
APPROVED

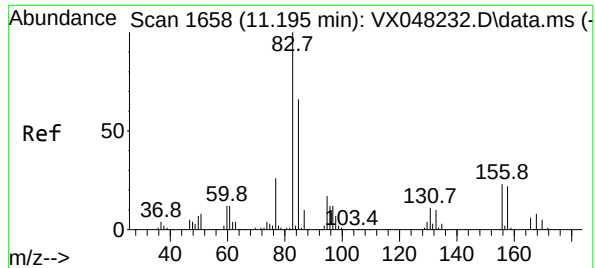
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#74  
N-ethyl acetate  
Concen: 19.415 ug/l  
RT: 10.823 min Scan# 1597  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Tgt Ion: 43 Resp: 61330  
Ion Ratio Lower Upper  
43 100  
70 41.6 32.2 48.2  
55 25.1 19.1 28.7  
61 24.5 18.6 28.0





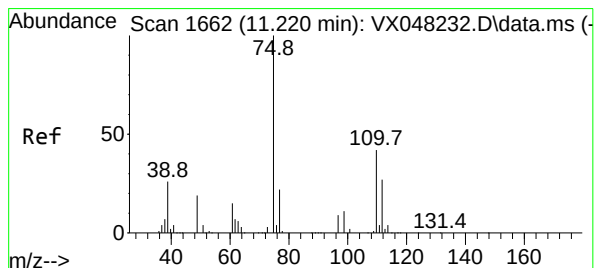
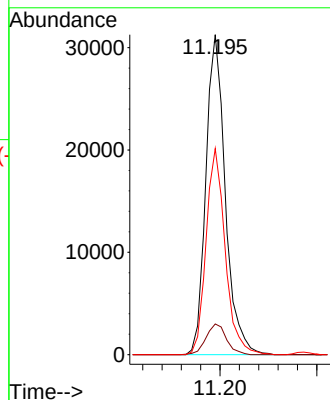
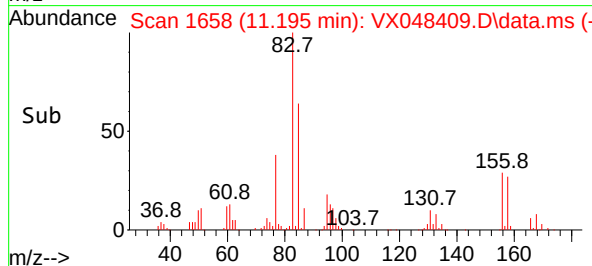
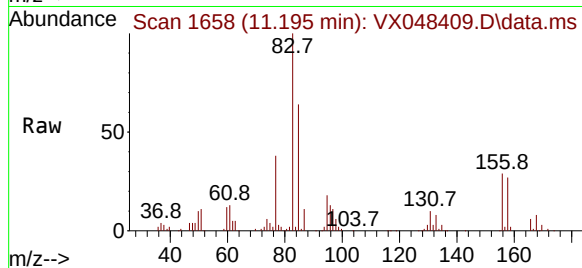
#75  
1,1,2,2-Tetrachloroethane  
Concen: 19.513 ug/l  
RT: 11.195 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion: 83 Resp: 4376  
Ion Ratio Lower Upper  
83 100  
131 10.1 4.8 14.4  
85 63.5 31.9 95.7

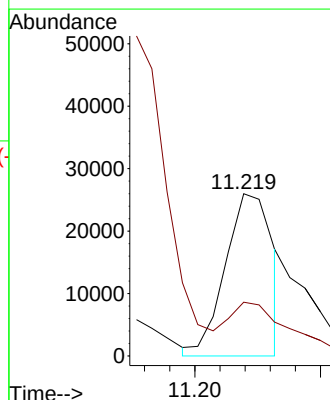
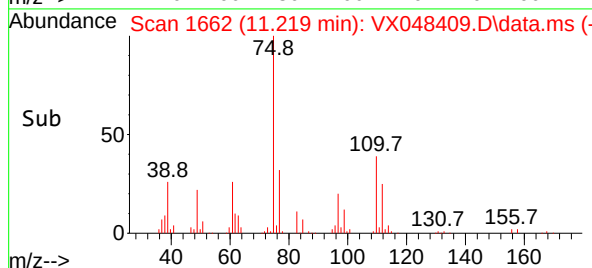
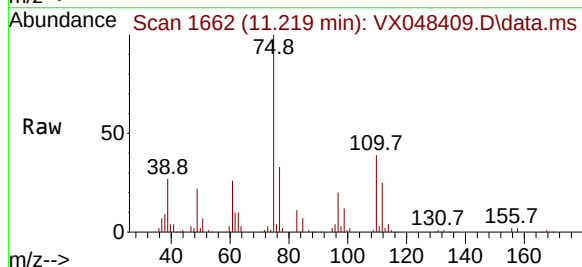
Manual Integrations  
APPROVED

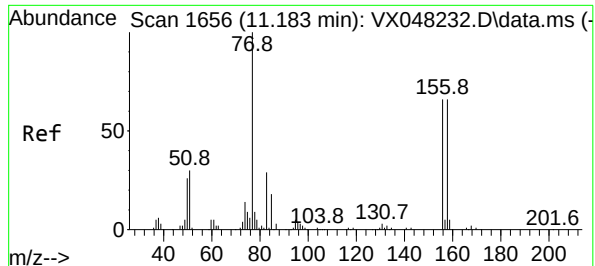
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#76  
1,2,3-Trichloropropane  
Concen: 18.164 ug/l m  
RT: 11.219 min Scan# 1662  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Tgt Ion: 75 Resp: 33917  
Ion Ratio Lower Upper  
75 100  
77 43.4 22.4 67.2





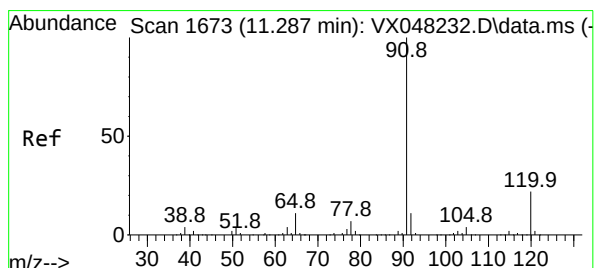
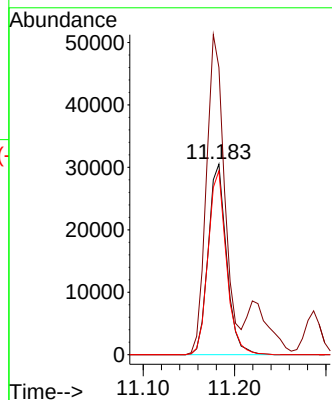
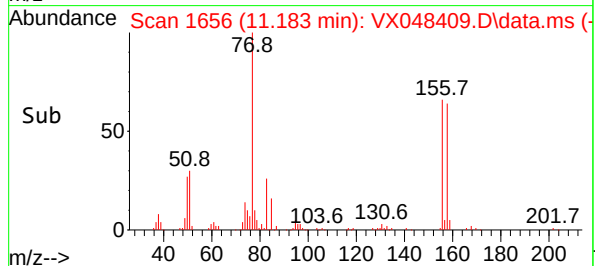
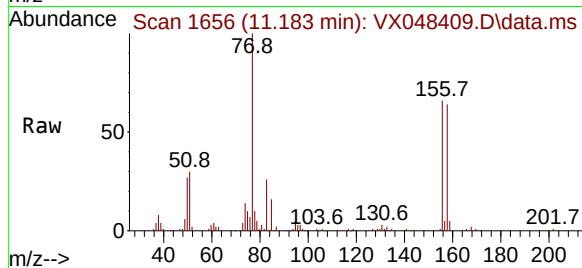
#77  
Bromobenzene  
Concen: 19.402 ug/l  
RT: 11.183 min Scan# 1656  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion:156 Resp: 4244  
Ion Ratio Lower Upper  
156 100  
77 167.4 87.0 261.0  
158 96.4 47.8 143.4

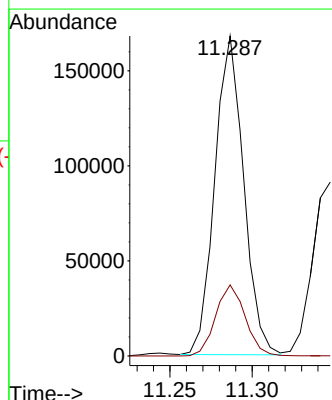
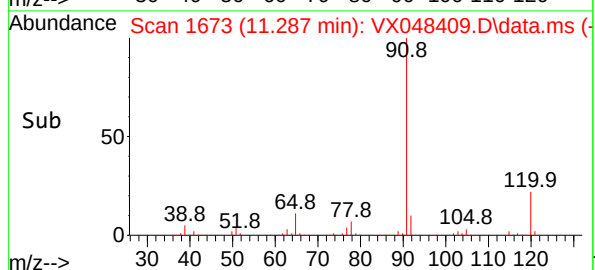
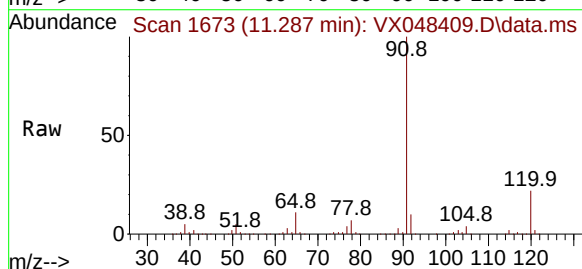
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

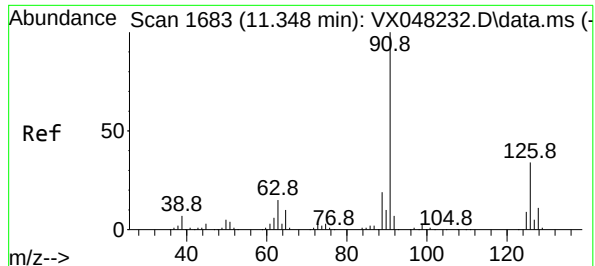


#78  
n-propylbenzene  
Concen: 19.503 ug/l  
RT: 11.287 min Scan# 1673  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Tgt Ion: 91 Resp: 204115  
Ion Ratio Lower Upper  
91 100  
120 22.9 11.1 33.1







#79

2-Chlorotoluene

Concen: 19.346 ug/l

RT: 11.347 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 12156

Ion Ratio Lower Upper

91 100

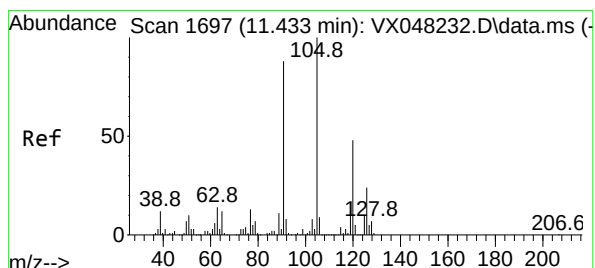
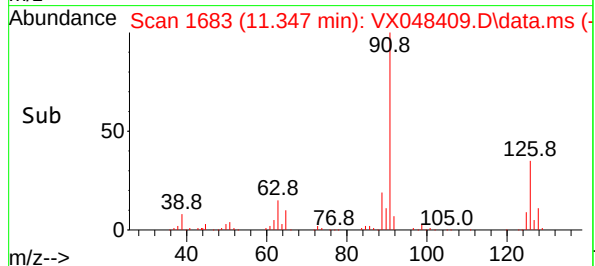
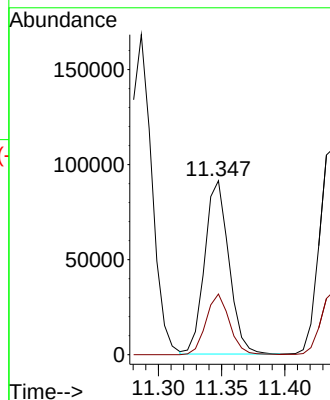
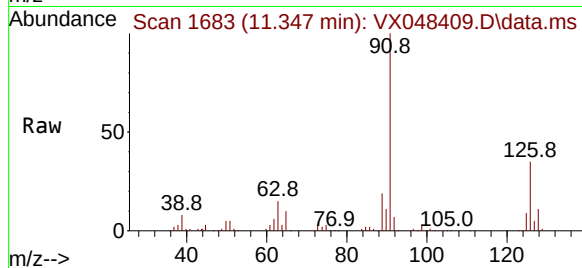
126 33.9 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.449 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VX048409.D

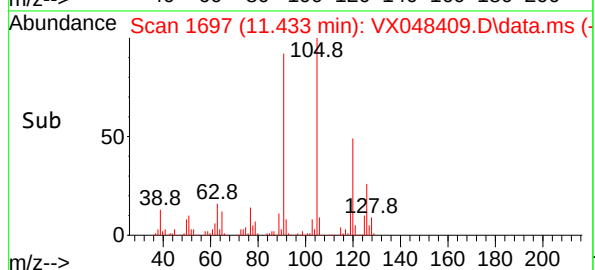
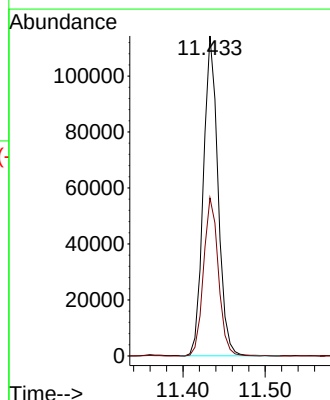
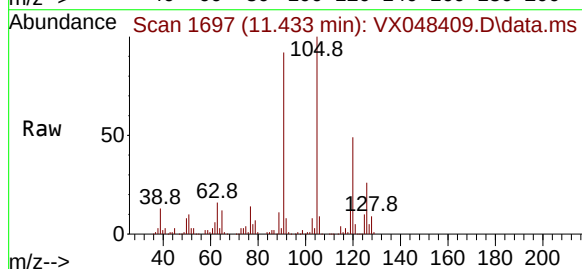
Acq: 29 Oct 2025 12:01

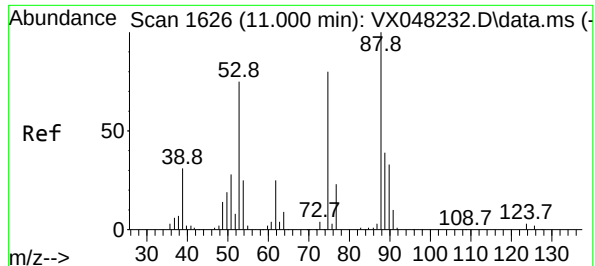
Tgt Ion:105 Resp: 141180

Ion Ratio Lower Upper

105 100

120 50.3 24.0 72.0





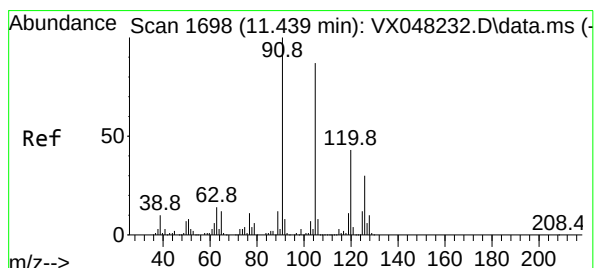
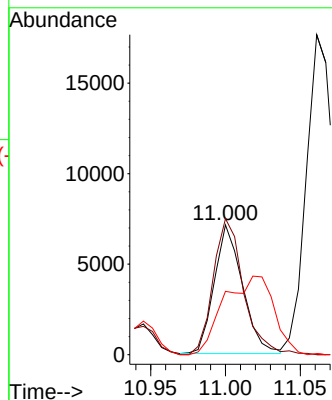
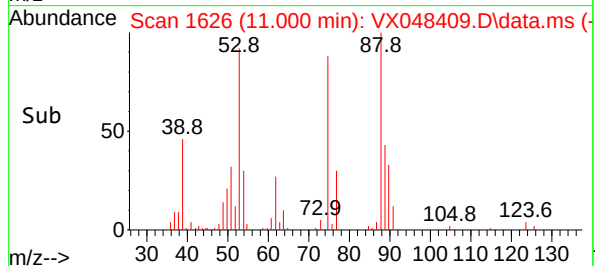
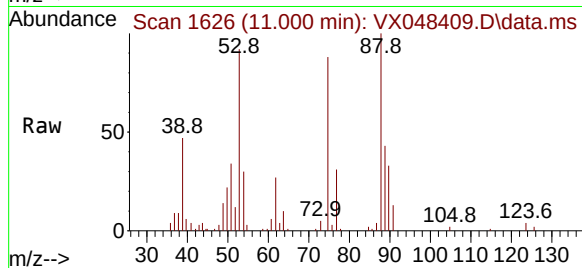
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.799 ug/l  
RT: 11.000 min Scan# 1626  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion: 75 Resp: 935  
Ion Ratio Lower Upper  
75 100  
53 112.8 79.5 119.3  
89 107.9 36.8 55.2

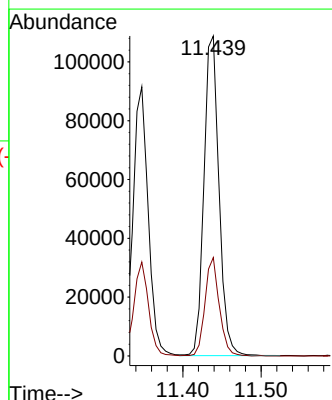
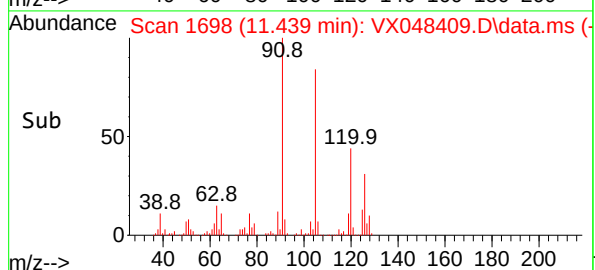
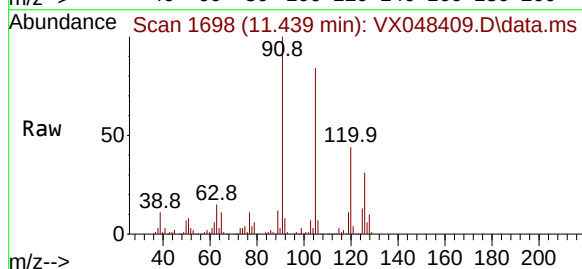
Manual Integrations  
APPROVED

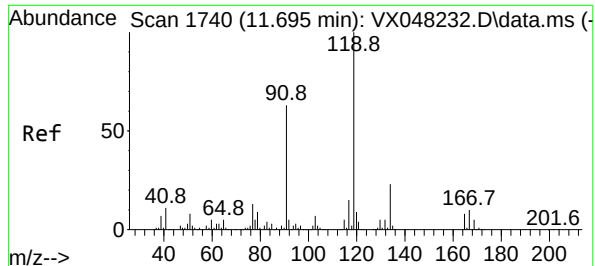
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#82  
4-Chlorotoluene  
Concen: 19.597 ug/l  
RT: 11.439 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Tgt Ion: 91 Resp: 144766  
Ion Ratio Lower Upper  
91 100  
126 29.1 14.1 42.4





#83

tert-Butylbenzene

Concen: 19.084 ug/l

RT: 11.695 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion:119 Resp: 14103

Ion Ratio Lower Upper

119 100

91 59.2 30.3 91.0

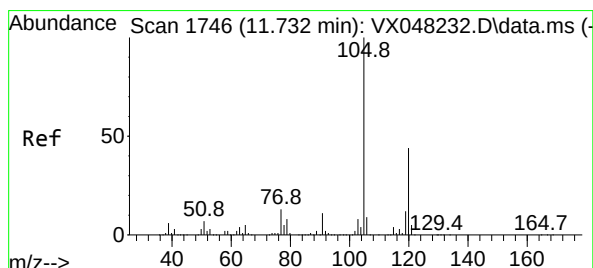
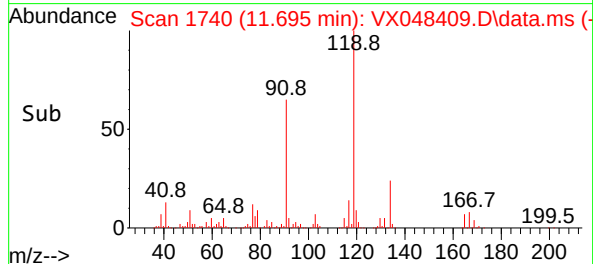
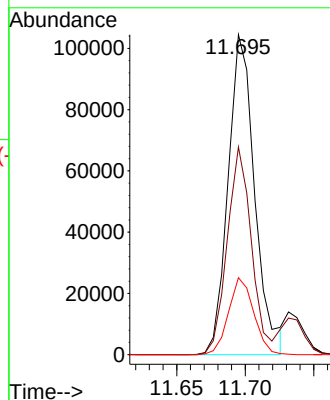
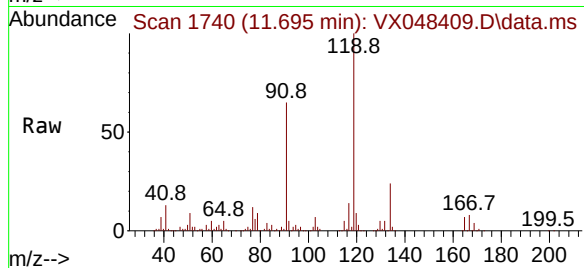
134 22.9 11.4 34.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.826 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. 0.000 min

Lab File: VX048409.D

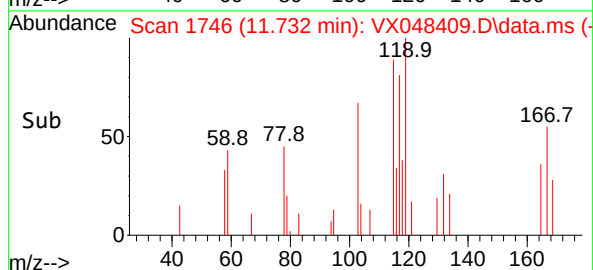
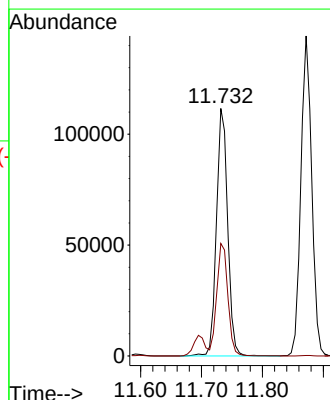
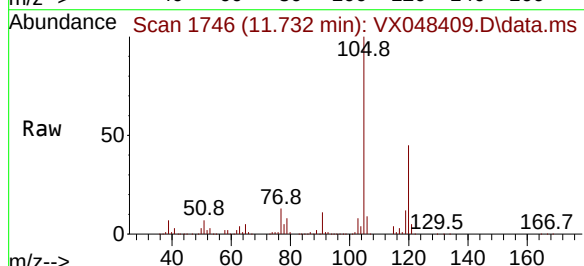
Acq: 29 Oct 2025 12:01

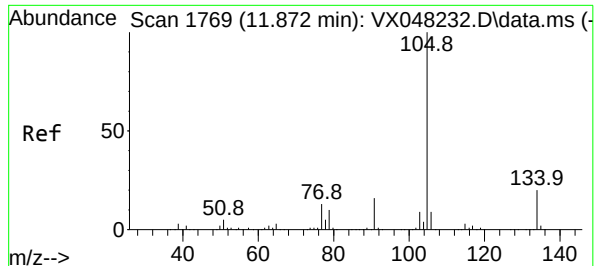
Tgt Ion:105 Resp: 142497

Ion Ratio Lower Upper

105 100

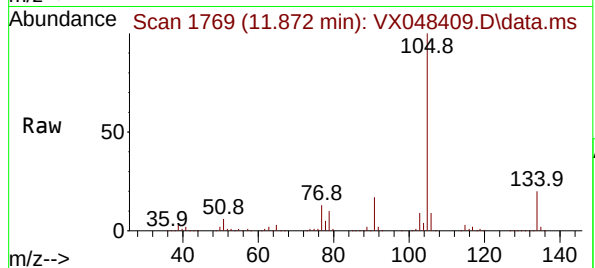
120 44.9 22.1 66.5





#85  
sec-Butylbenzene  
Concen: 19.383 ug/l  
RT: 11.872 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

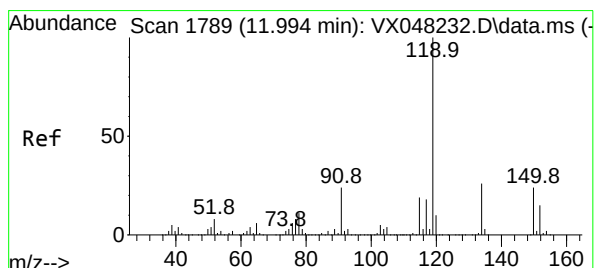
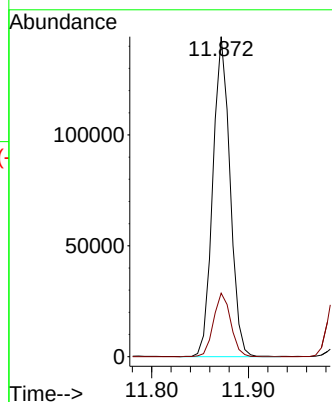
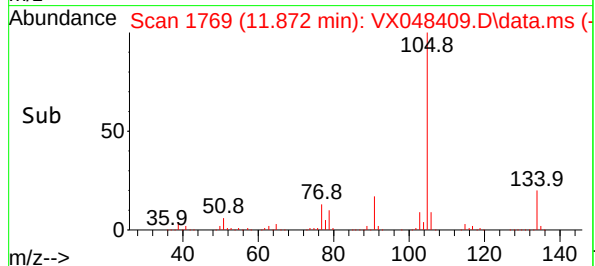
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020



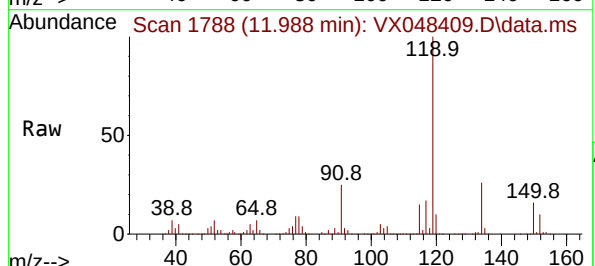
Tgt Ion:105 Resp: 17847  
Ion Ratio Lower Upper  
105 100  
134 19.9 10.1 30.1

Manual Integrations  
APPROVED

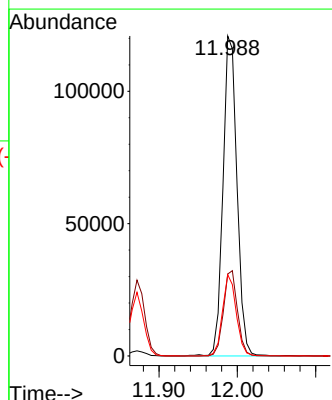
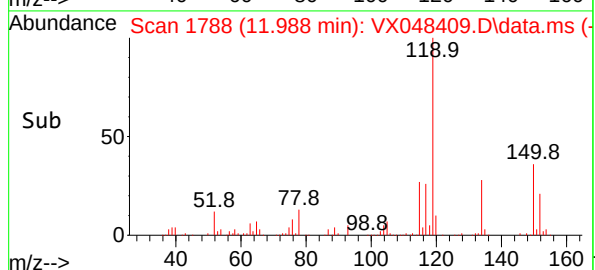
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

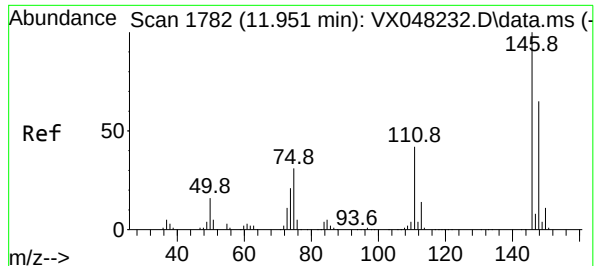


#86  
p-Isopropyltoluene  
Concen: 19.347 ug/l  
RT: 11.988 min Scan# 1788  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01



Tgt Ion:119 Resp: 150606  
Ion Ratio Lower Upper  
119 100  
134 26.7 13.0 39.0  
91 24.9 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 19.034 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 7951

Ion Ratio Lower Upper

146 100

111 42.0 20.4 61.2

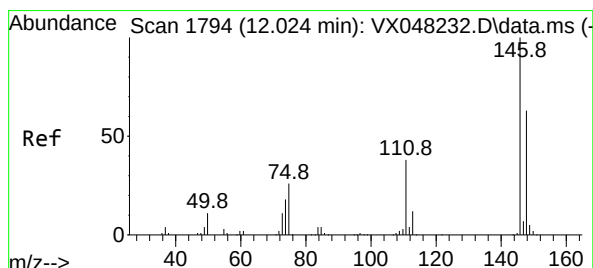
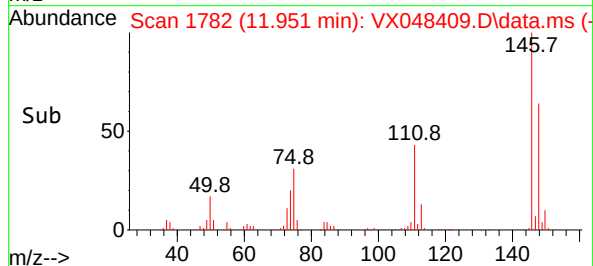
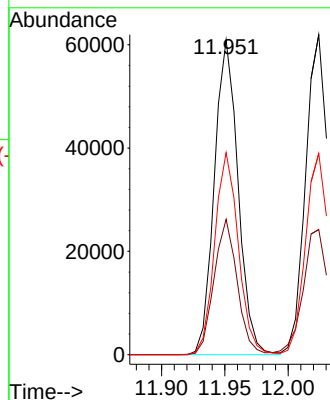
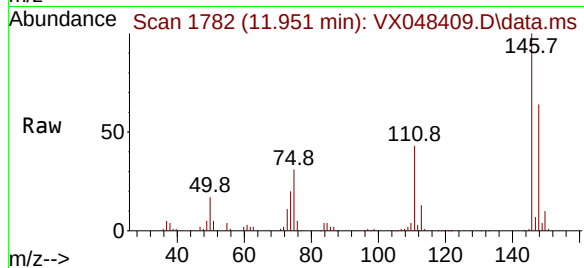
148 64.0 31.9 95.9

Manual Integrations

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Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#88

1,4-Dichlorobenzene

Concen: 18.755 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

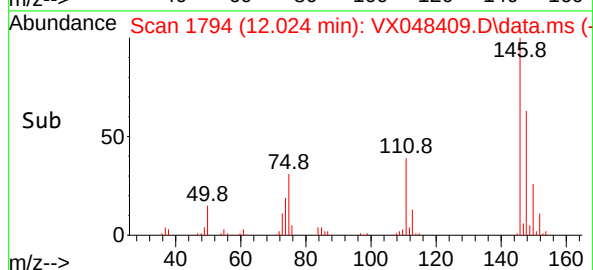
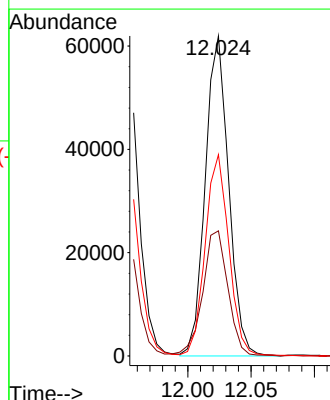
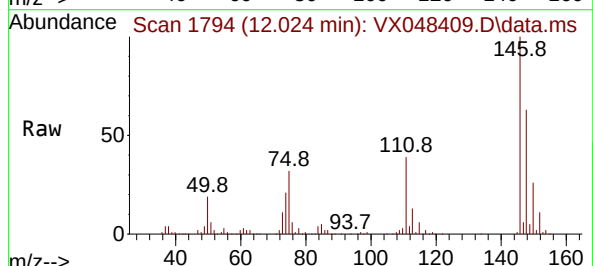
Tgt Ion:146 Resp: 79800

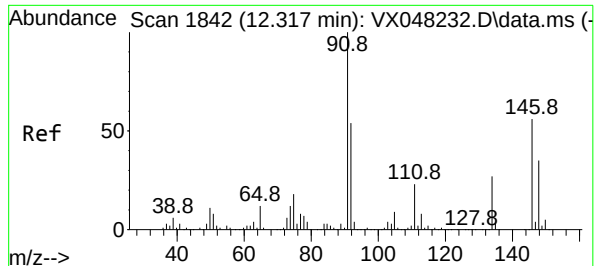
Ion Ratio Lower Upper

146 100

111 42.4 20.1 60.2

148 63.9 31.8 95.3





#89

n-Butylbenzene

Concen: 18.912 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 138220

Ion Ratio Lower Upper

91 100

92 53.6 26.9 80.6

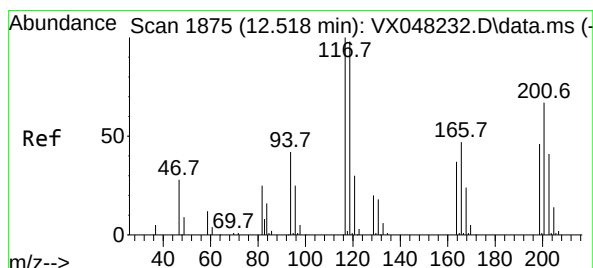
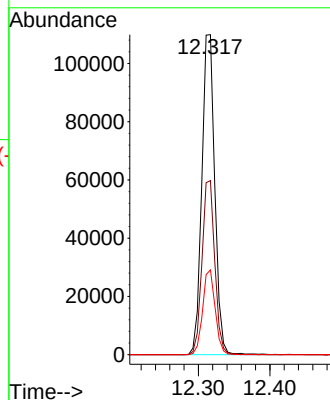
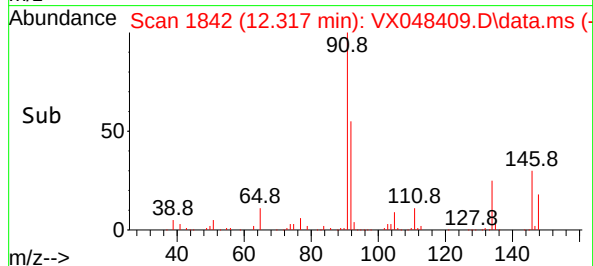
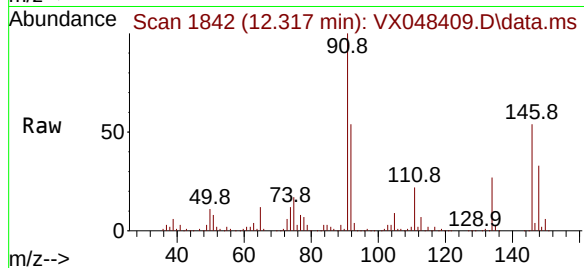
134 25.6 12.7 38.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#90

Hexachloroethane

Concen: 18.786 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VX048409.D

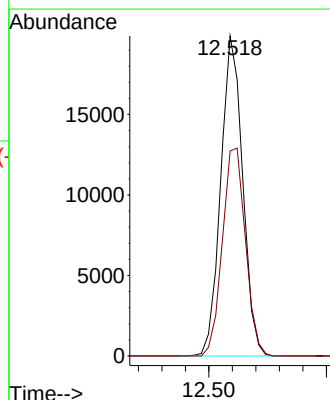
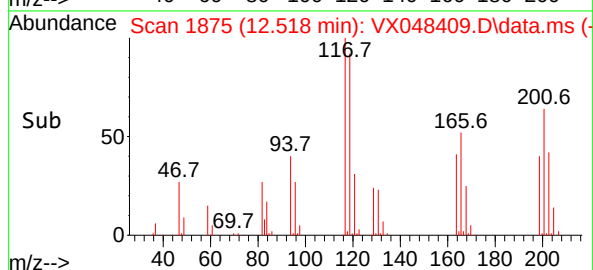
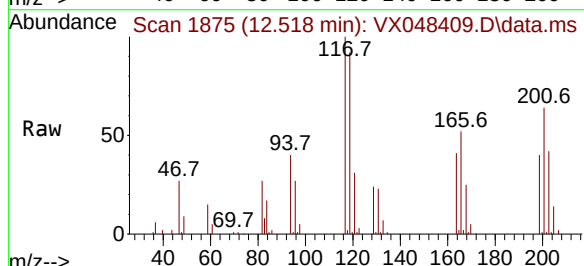
Acq: 29 Oct 2025 12:01

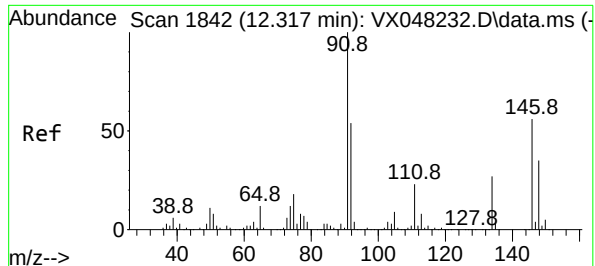
Tgt Ion:117 Resp: 25696

Ion Ratio Lower Upper

117 100

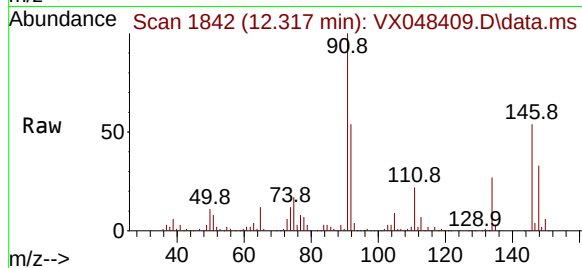
201 68.6 34.1 102.2





#91  
1,2-Dichlorobenzene  
Concen: 19.356 ug/l  
RT: 12.317 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

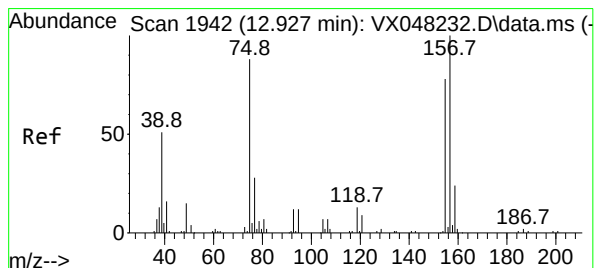
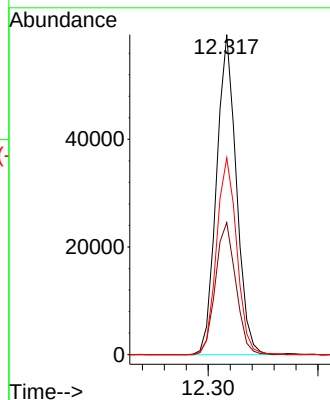
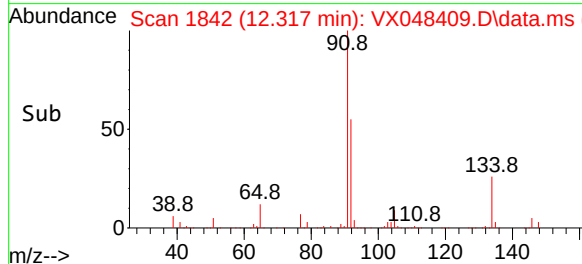
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020



Tgt Ion:146 Resp: 74930  
Ion Ratio Lower Upper  
146 100  
111 42.3 21.9 65.5  
148 62.6 31.9 95.5

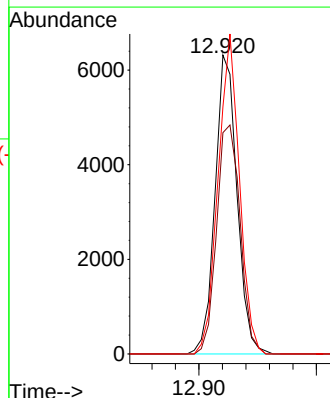
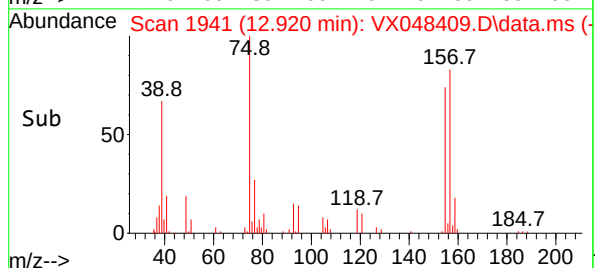
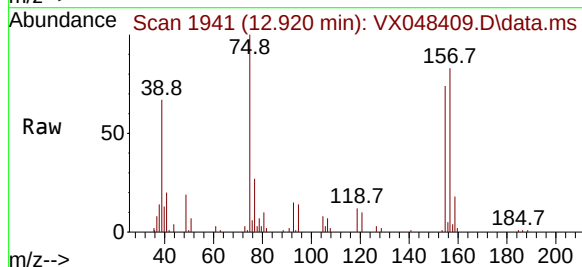
Manual Integrations  
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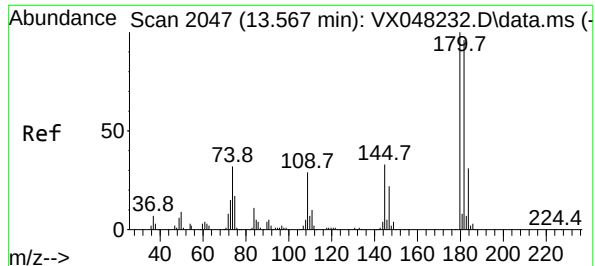
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.693 ug/l  
RT: 12.920 min Scan# 1941  
Delta R.T. 0.000 min  
Lab File: VX048409.D  
Acq: 29 Oct 2025 12:01

Tgt Ion: 75 Resp: 8210  
Ion Ratio Lower Upper  
75 100  
155 82.2 42.8 128.4  
157 103.7 54.2 162.6





#93

1,2,4-Trichlorobenzene

Concen: 18.742 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

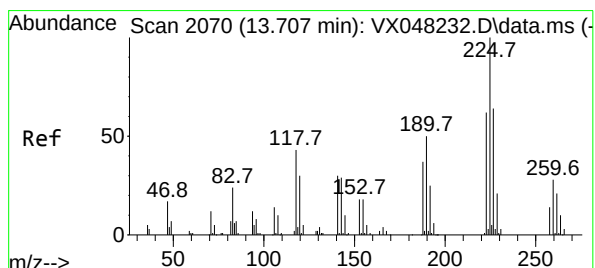
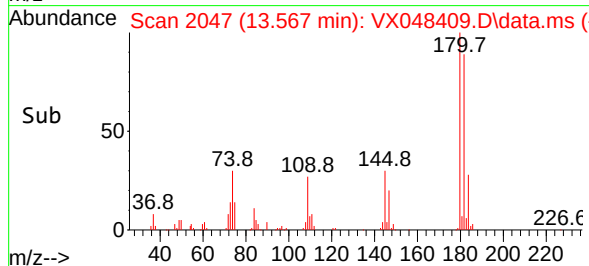
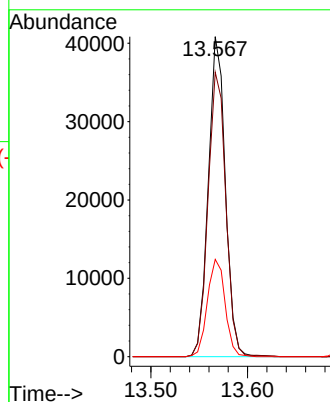
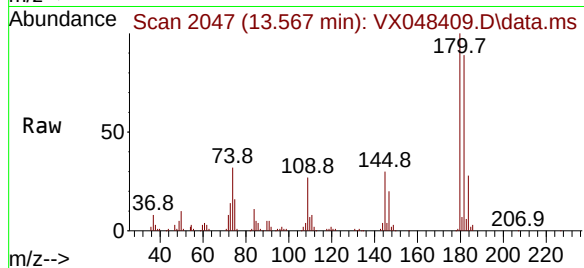
VSTDICC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 50064 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.0  | 47.3  | 142.0 |
| 145       | 31.6  | 16.3  | 48.9  |

Manual Integrations  
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Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#94

Hexachlorobutadiene

Concen: 18.610 ug/l

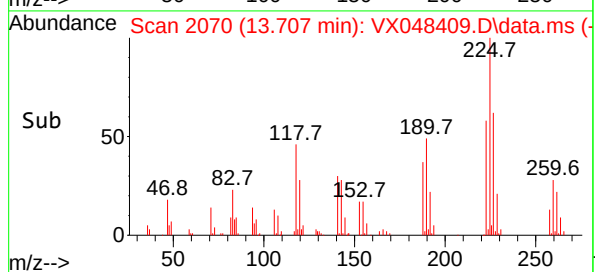
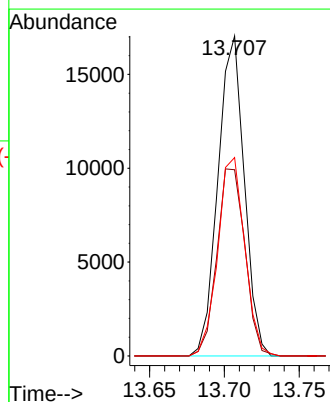
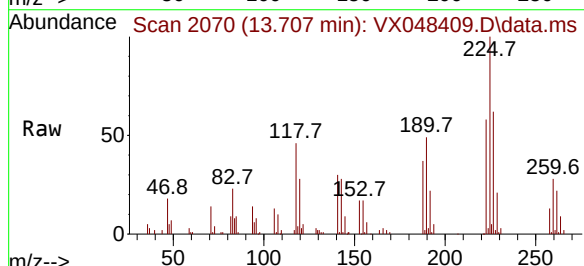
RT: 13.707 min Scan# 2070

Delta R.T. 0.000 min

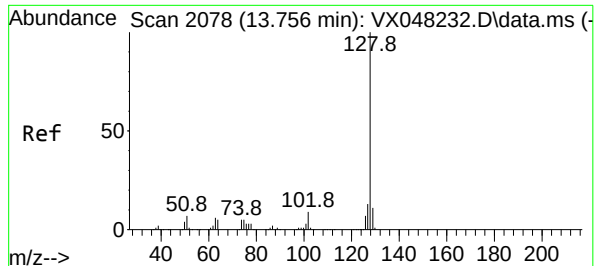
Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 20853 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.2  | 32.6  | 97.7  |
| 227       | 63.5  | 32.5  | 97.4  |







#95

Naphthalene

Concen: 18.777 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

Instrument :

MSVOA\_X

ClientSampleId :

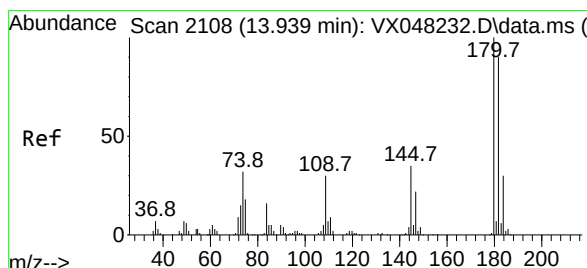
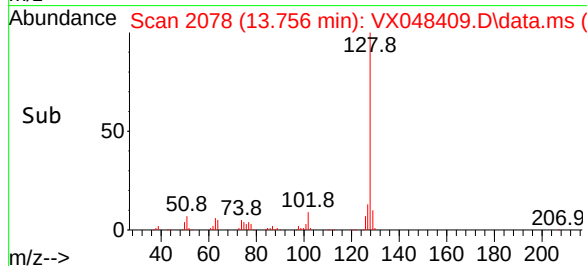
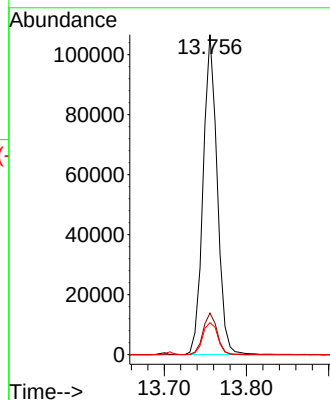
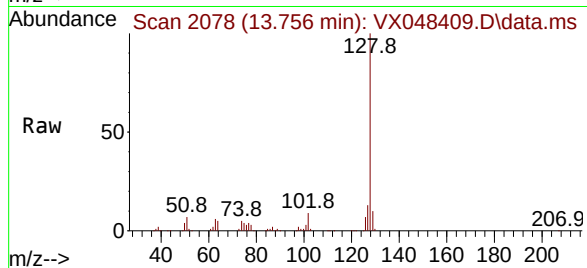
VSTDICC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 12667 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.0  | 10.2  | 15.4  |
| 129       | 10.8  | 8.6   | 12.8  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#96

1,2,3-Trichlorobenzene

Concen: 18.895 ug/l

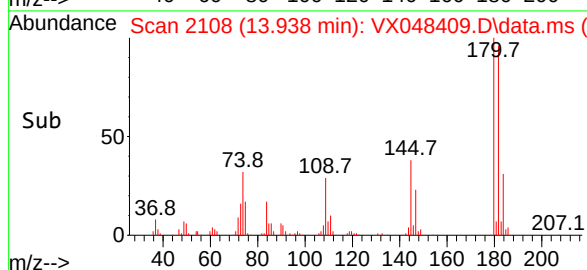
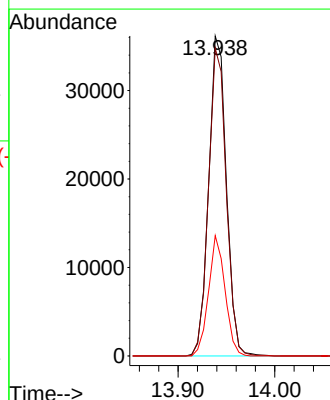
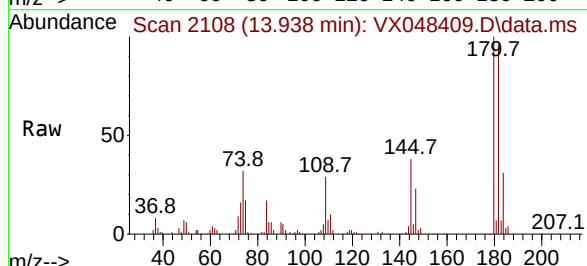
RT: 13.938 min Scan# 2108

Delta R.T. 0.000 min

Lab File: VX048409.D

Acq: 29 Oct 2025 12:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 45847 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.6  | 46.6  | 139.7 |
| 145       | 35.2  | 16.9  | 50.7  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048410.D  
 Acq On : 29 Oct 2025 12:22  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Oct 30 02:20:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.537  | 168  | 159631   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.745  | 114  | 260667   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 228116   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 113172   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 5.940  | 65    | 107543   | 46.845   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | =    | 93.680% |
| 35) Dibromofluoromethane  | 5.373  | 113   | 71844    | 48.342   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 96.680% |
| 50) Toluene-d8            | 8.635  | 98    | 318405   | 48.535   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | =    | 97.080% |
| 62) 4-Bromofluorobenzene  | 11.061 | 95    | 116328   | 47.402   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | =    | 94.800% |

### Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.172 | 85  | 86054   | 52.848  | ug/l | 97     |
| 3) Chloromethane             | 1.300 | 50  | 43331   | 47.166  | ug/l | 97     |
| 4) Vinyl Chloride            | 1.380 | 62  | 106317  | 50.098  | ug/l | 99     |
| 5) Bromomethane              | 1.617 | 94  | 38607   | 50.360  | ug/l | 98     |
| 6) Chloroethane              | 1.697 | 64  | 62479   | 49.505  | ug/l | 95     |
| 7) Trichlorofluoromethane    | 1.898 | 101 | 165341  | 50.842  | ug/l | 98     |
| 8) Diethyl Ether             | 2.136 | 74  | 55774   | 47.453  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 93996   | 51.385  | ug/l | 98     |
| 10) Methyl Iodide            | 2.459 | 142 | 349838  | 47.561  | ug/l | 98     |
| 11) Tert butyl alcohol       | 2.940 | 59  | 42207   | 239.969 | ug/l | 99     |
| 12) 1,1-Dichloroethene       | 2.325 | 96  | 92758   | 49.922  | ug/l | 97     |
| 13) Acrolein                 | 2.233 | 56  | 89237   | 243.066 | ug/l | 100    |
| 14) Allyl chloride           | 2.666 | 41  | 149275  | 47.441  | ug/l | 98     |
| 15) Acrylonitrile            | 3.056 | 53  | 196801  | 245.957 | ug/l | 98     |
| 16) Acetone                  | 2.373 | 43  | 126696  | 243.498 | ug/l | 97     |
| 17) Carbon Disulfide         | 2.520 | 76  | 267528  | 50.216  | ug/l | 99     |
| 18) Methyl Acetate           | 2.697 | 43  | 78778   | 45.269  | ug/l | 96     |
| 19) Methyl tert-butyl Ether  | 3.105 | 73  | 281466  | 47.305  | ug/l | 99     |
| 20) Methylene Chloride       | 2.788 | 84  | 95444   | 47.586  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene | 3.093 | 96  | 96815   | 49.056  | ug/l | 99     |
| 22) Diisopropyl ether        | 3.751 | 45  | 315698  | 49.018  | ug/l | 95     |
| 23) Vinyl Acetate            | 3.715 | 43  | 1061175 | 242.046 | ug/l | 98     |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 176586  | 48.312  | ug/l | 98     |
| 25) 2-Butanone               | 4.538 | 43  | 205263  | 246.945 | ug/l | 99     |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 151991  | 48.296  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene   | 4.477 | 96  | 113692  | 48.269  | ug/l | 97     |
| 28) Bromochloromethane       | 4.891 | 49  | 81862   | 49.419  | ug/l | 93     |
| 29) Tetrahydrofuran          | 4.989 | 42  | 144735  | 244.506 | ug/l | 99     |
| 30) Chloroform               | 5.080 | 83  | 180495  | 48.005  | ug/l | 99     |
| 31) Cyclohexane              | 5.464 | 56  | 161448  | 50.887  | ug/l | 93     |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 164402  | 49.529  | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 127616  | 51.134  | ug/l | 99     |
| 37) Ethyl Acetate            | 4.696 | 43  | 106949  | 50.298  | ug/l | 98     |
| 38) Carbon Tetrachloride     | 5.666 | 117 | 145824  | 50.606  | ug/l | 98     |
| 39) Methylcyclohexane        | 7.366 | 83  | 173232  | 53.976  | ug/l | 94     |
| 40) Benzene                  | 6.025 | 78  | 383684  | 50.323  | ug/l | 97     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048410.D  
 Acq On : 29 Oct 2025 12:22  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Oct 30 02:20:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 55968    | 52.257   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 130524   | 48.603   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.324  | 43   | 175181   | 49.902   | ug/l   | 97       |
| 44) Trichloroethene           | 7.110  | 130  | 99369    | 49.745   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.415  | 63   | 94397    | 49.574   | ug/l   | 99       |
| 46) Dibromomethane            | 7.568  | 93   | 65702    | 49.289   | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.805  | 83   | 140139   | 49.480   | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.677  | 41   | 87031    | 50.837   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.641  | 88   | 20607    | 1059.032 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 488971   | 250.278  | ug/l   | 97       |
| 52) Toluene                   | 8.702  | 92   | 242665   | 50.935   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75   | 129325   | 50.378   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.354  | 75   | 136550   | 49.371   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 84882    | 49.233   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.104  | 69   | 128314   | 50.827   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 148067   | 49.531   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.226  | 63   | 367501   | 244.619  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.415  | 43   | 327676   | 257.761  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.506  | 129  | 106333   | 49.868   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 88957    | 49.875   | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.256  | 164  | 91666    | 49.898   | ug/l   | 98       |
| 65) Chlorobenzene             | 10.061 | 112  | 262400   | 49.930   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131  | 90376    | 50.557   | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.177 | 91   | 454961   | 51.416   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.287 | 106  | 352803   | 105.303  | ug/l   | 96       |
| 69) o-Xylene                  | 10.622 | 106  | 166368   | 51.964   | ug/l   | 95       |
| 70) Styrene                   | 10.640 | 104  | 281789   | 51.956   | ug/l   | 99       |
| 71) Bromoform                 | 10.780 | 173  | 63992    | 49.485   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 434670   | 51.927   | ug/l   | 98       |
| 74) N-amyl acetate            | 10.823 | 43   | 154727   | 51.815   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 105102   | 49.570   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 84138m   | 47.668   | ug/l   |          |
| 77) Bromobenzene              | 11.183 | 156  | 103197   | 49.908   | ug/l   | 98       |
| 78) n-propylbenzene           | 11.286 | 91   | 520109   | 52.571   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.347 | 91   | 300130   | 50.527   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 361457   | 52.677   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 23520    | 50.010   | ug/l # | 75       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 353680   | 50.648   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 363942   | 52.099   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 355520   | 52.328   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 458548   | 52.681   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 388711   | 52.824   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 191269   | 48.436   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 193511   | 48.113   | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.311 | 91   | 360265   | 52.145   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.518 | 117  | 67177    | 51.954   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 179863   | 49.151   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 21148    | 50.936   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 125804   | 49.820   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 54413    | 51.371   | ug/l   | 97       |
| 95) Naphthalene               | 13.756 | 128  | 332133   | 52.079   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.938 | 180  | 116883   | 50.959   | ug/l   | 100      |

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Acq On : 29 Oct 2025 12:22  
Operator : JC/MD  
Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Quant Time: Oct 30 02:20:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration

Manual Integrations  
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Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

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

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

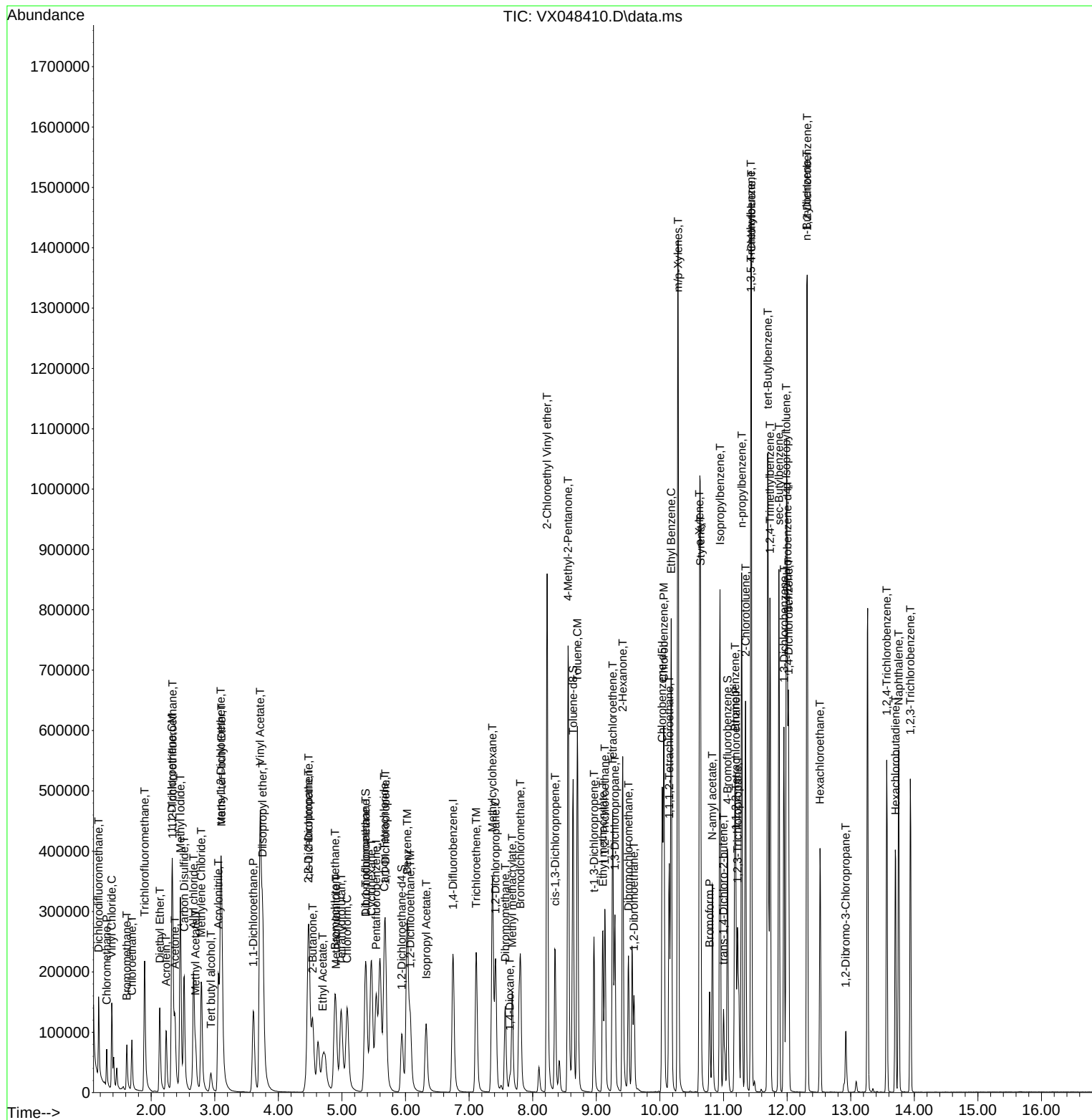
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Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

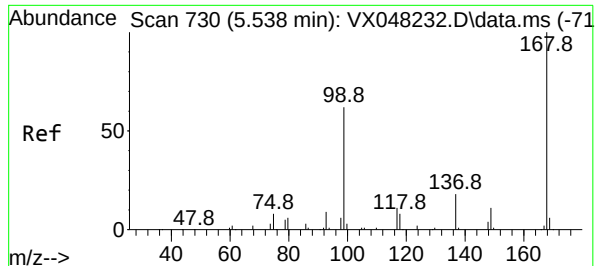
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ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025





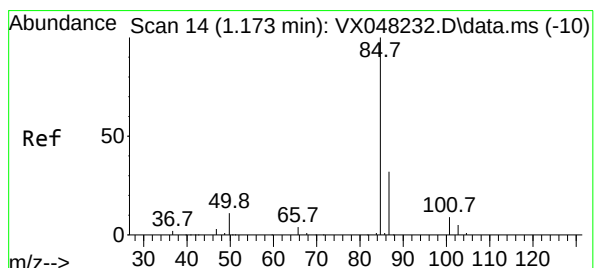
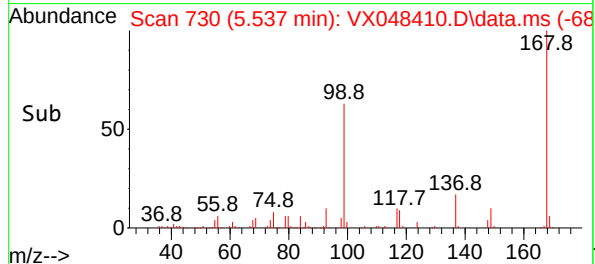
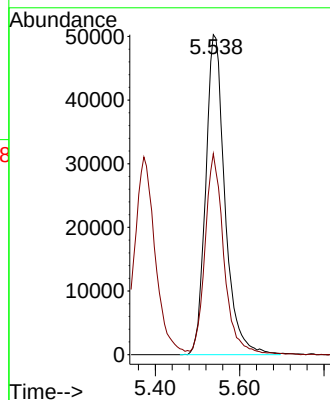
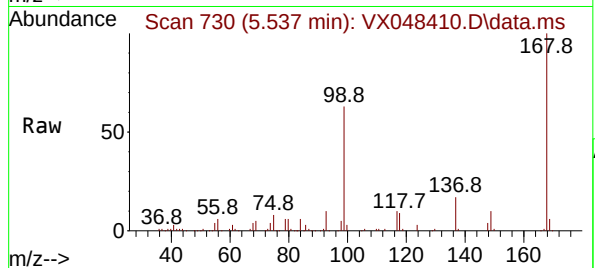
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.537 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion:168 Resp: 15963  
Ion Ratio Lower Upper  
168 100  
99 62.4 46.4 69.6

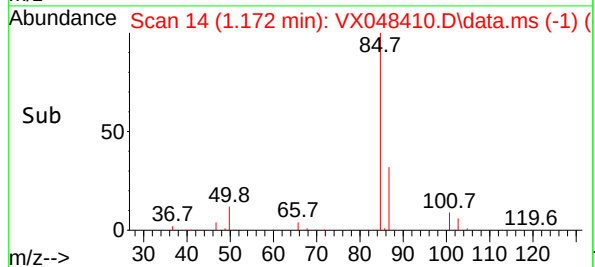
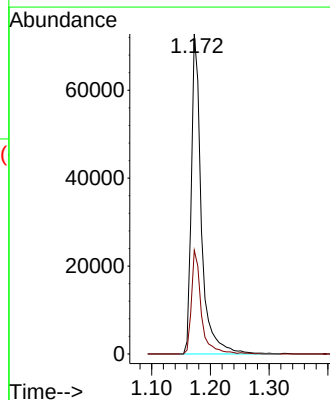
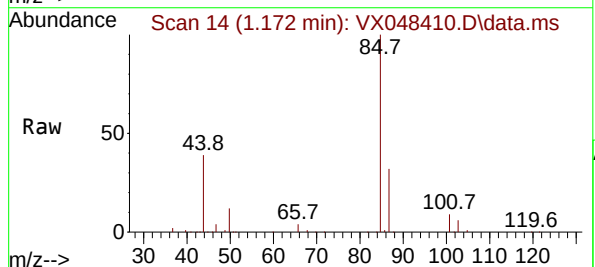
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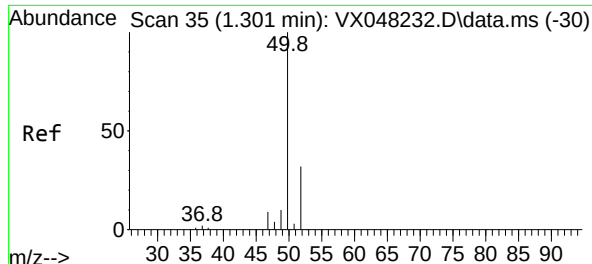
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#2  
Dichlorodifluoromethane  
Concen: 52.848 ug/l  
RT: 1.172 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 85 Resp: 86054  
Ion Ratio Lower Upper  
85 100  
87 32.4 15.3 45.9





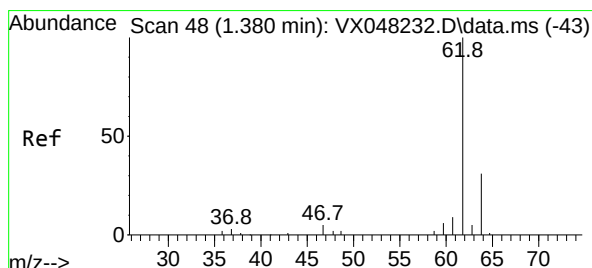
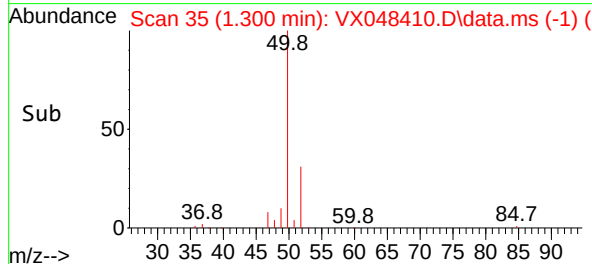
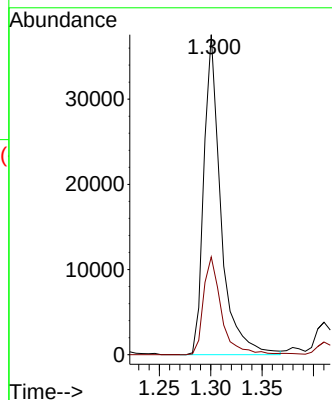
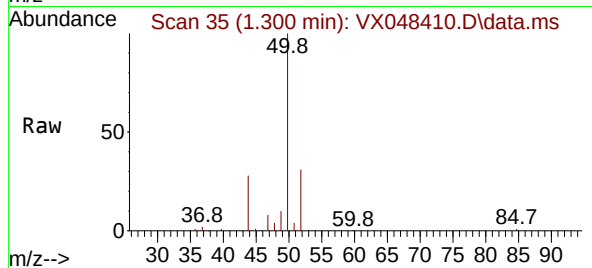
#3  
Chloromethane  
Concen: 47.166 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 50 Resp: 4333  
Ion Ratio Lower Upper  
50 100  
52 30.5 25.9 38.9

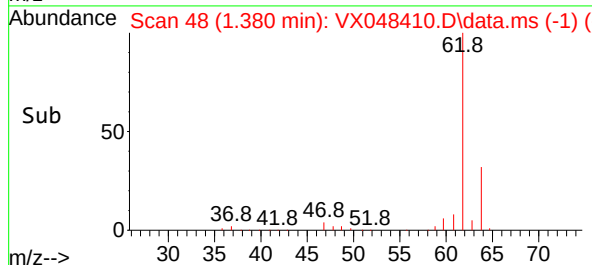
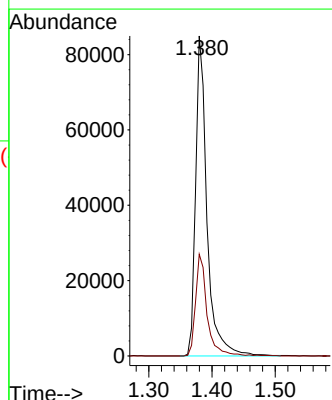
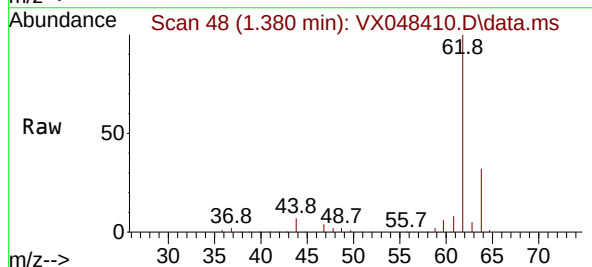
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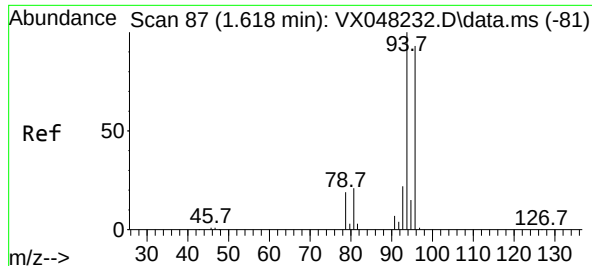
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#4  
Vinyl Chloride  
Concen: 50.098 ug/l  
RT: 1.380 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 62 Resp: 106317  
Ion Ratio Lower Upper  
62 100  
64 31.8 25.1 37.7





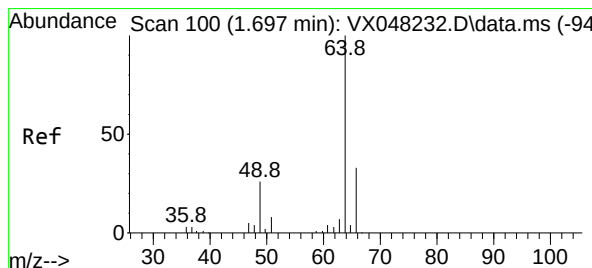
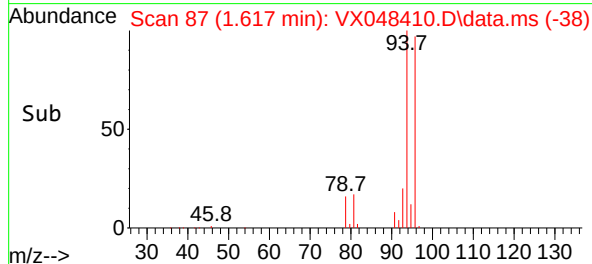
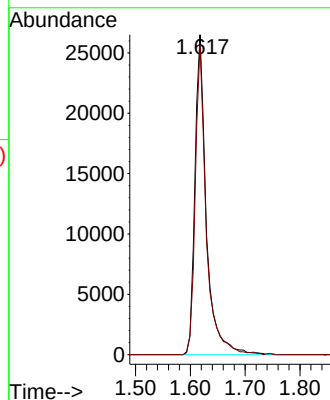
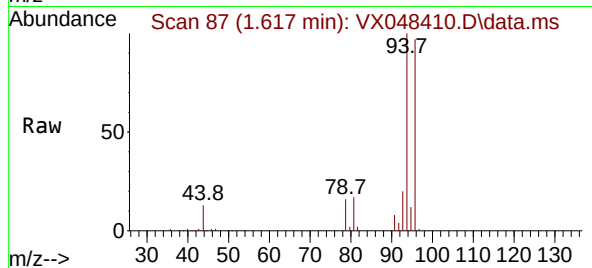
#5  
Bromomethane  
Concen: 50.360 ug/l  
RT: 1.617 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 94 Resp: 3860  
Ion Ratio Lower Upper  
94 100  
96 96.7 76.0 114.0

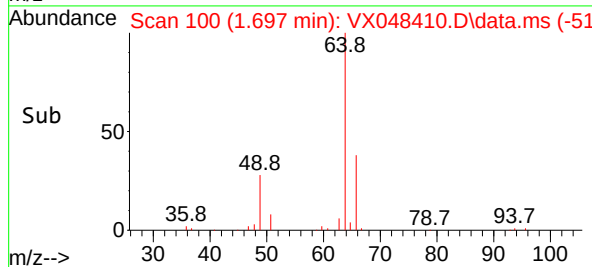
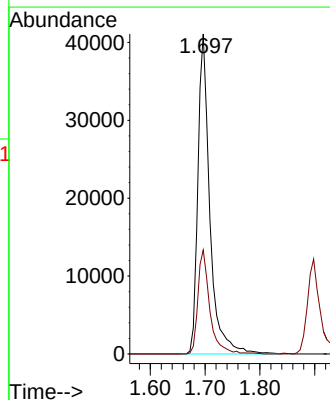
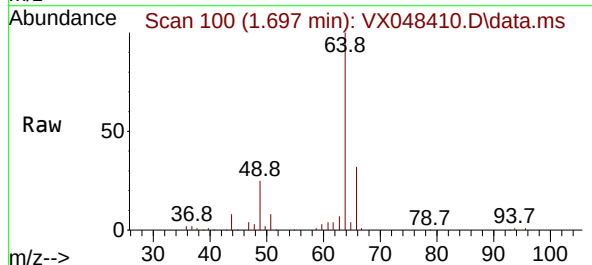
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Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

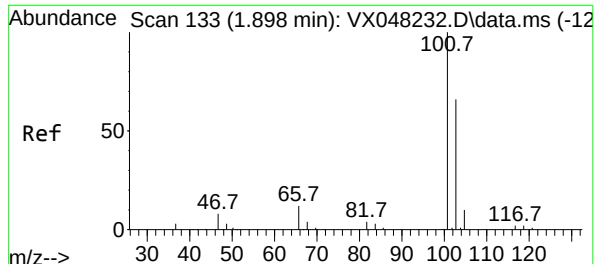


#6  
Chloroethane  
Concen: 49.505 ug/l  
RT: 1.697 min Scan# 100  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 64 Resp: 62479  
Ion Ratio Lower Upper  
64 100  
66 32.5 23.9 35.9

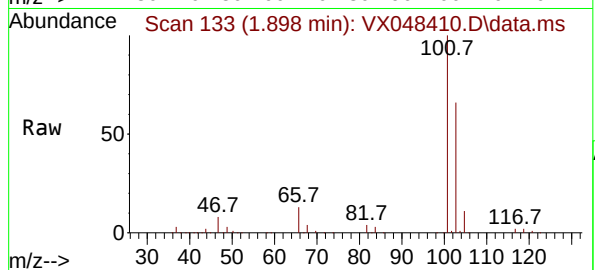






#7  
Trichlorofluoromethane  
Concen: 50.842 ug/l  
RT: 1.898 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

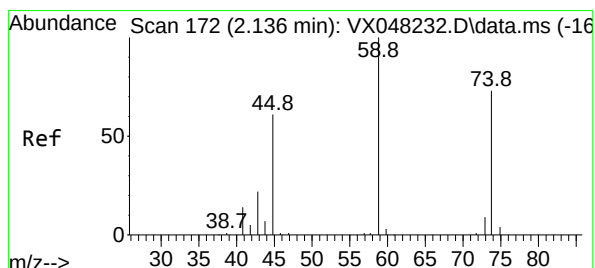
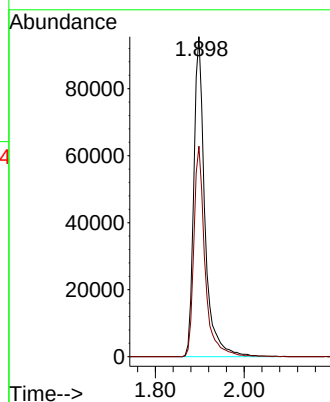
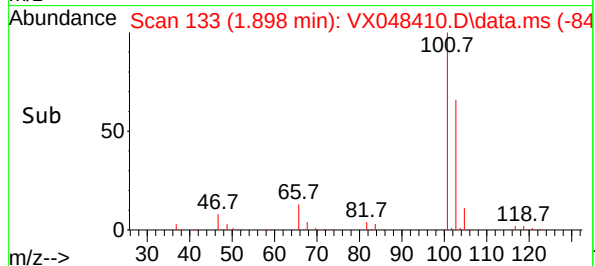
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050



Tgt Ion:101 Resp: 16534  
Ion Ratio Lower Upper  
101 100  
103 65.8 51.6 77.4

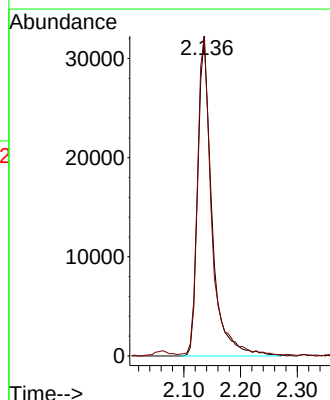
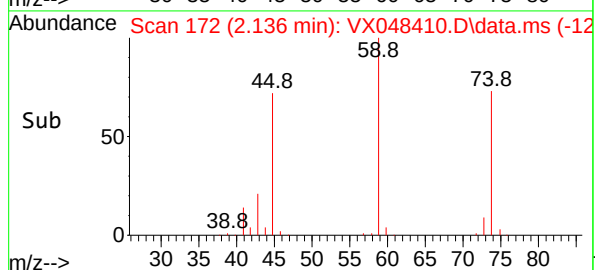
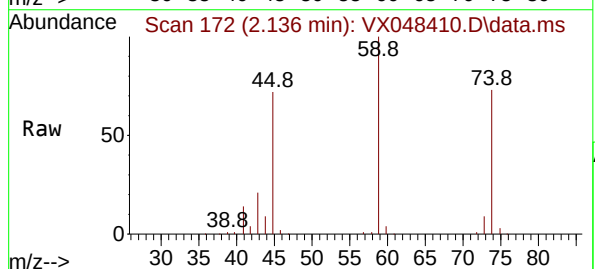
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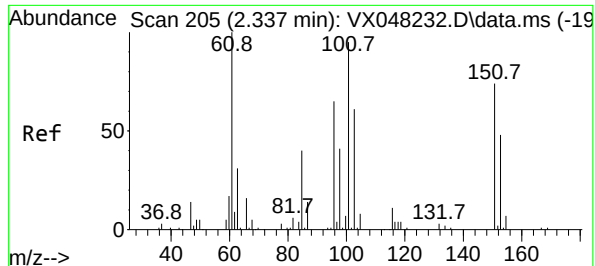
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#8  
Diethyl Ether  
Concen: 47.453 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 74 Resp: 55774  
Ion Ratio Lower Upper  
74 100  
45 100.2 50.0 149.8





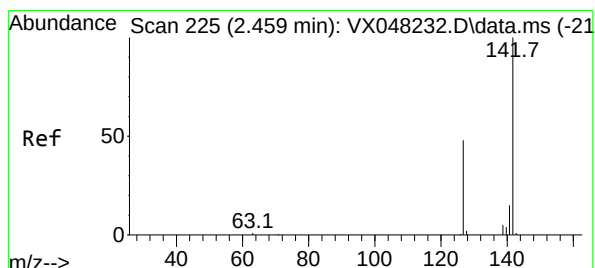
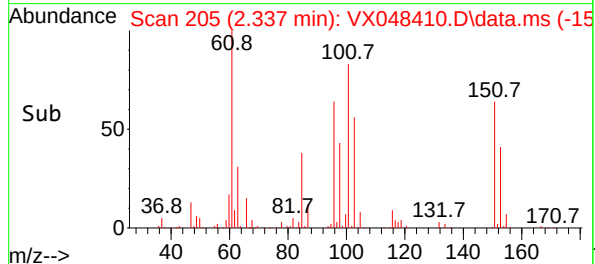
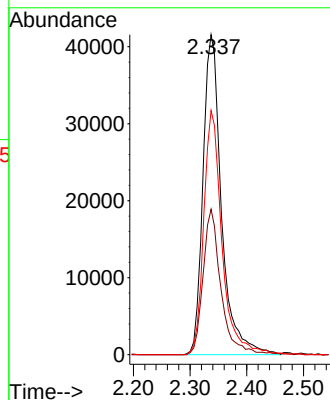
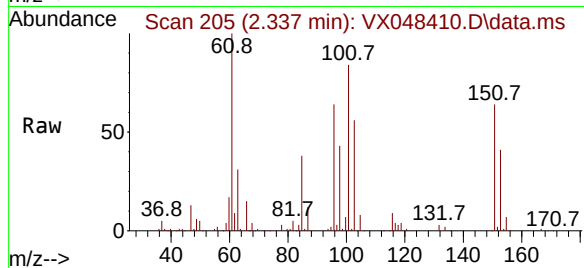
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 51.385 ug/l  
RT: 2.337 min Scan# 205  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion:101 Resp: 93990  
Ion Ratio Lower Upper  
101 100  
85 44.2 35.6 53.4  
151 75.3 58.0 87.0

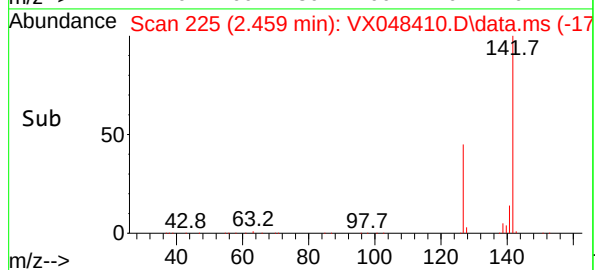
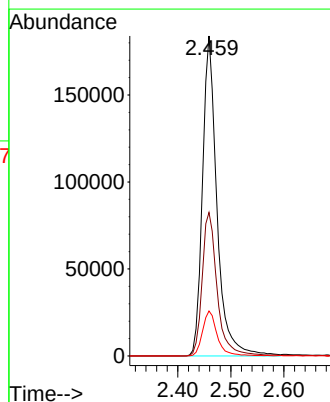
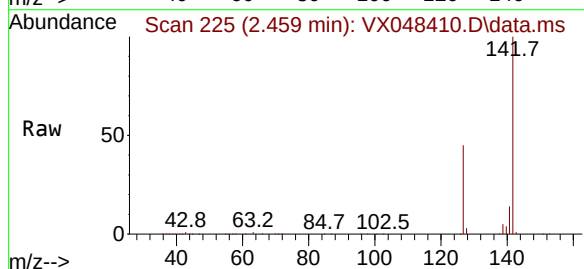
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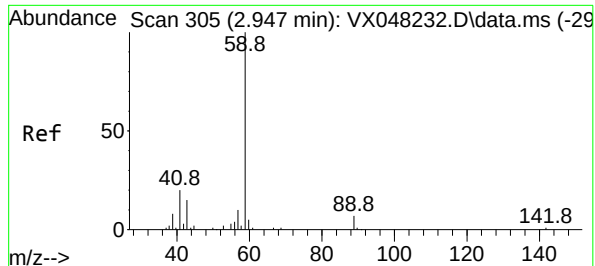
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#10  
Methyl Iodide  
Concen: 47.561 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion:142 Resp: 349838  
Ion Ratio Lower Upper  
142 100  
127 46.7 38.5 57.7  
141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 239.969 ug/l

RT: 2.940 min Scan# 305

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 4220

Ion Ratio Lower Upper

59 100

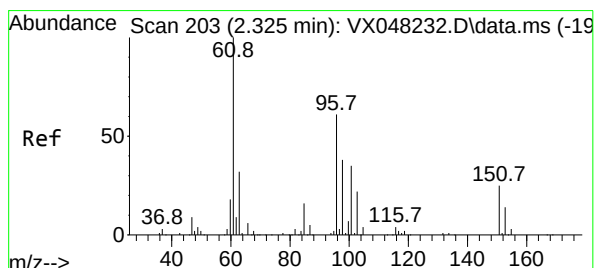
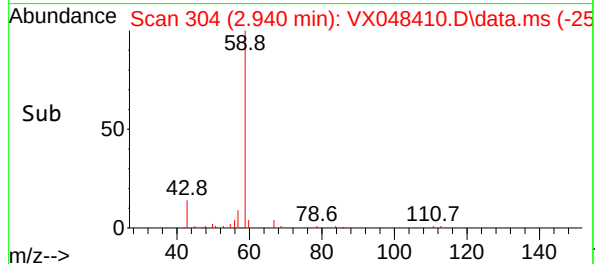
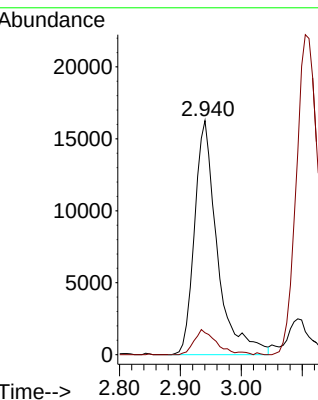
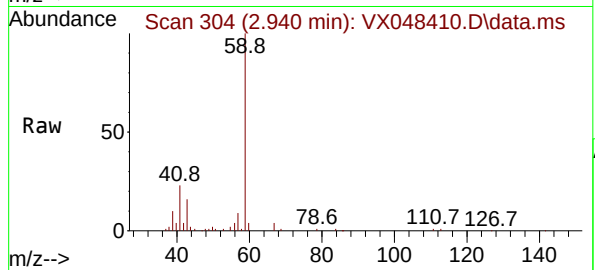
57 10.5 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#12

1,1-Dichloroethene

Concen: 49.922 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

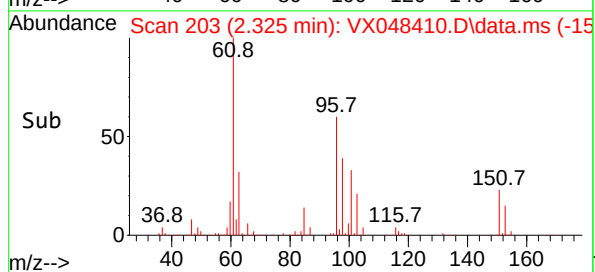
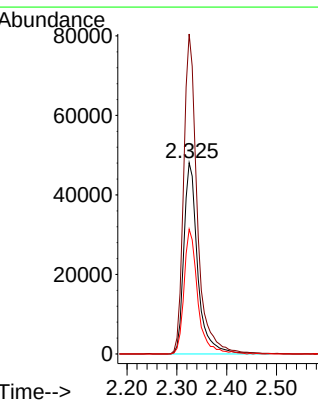
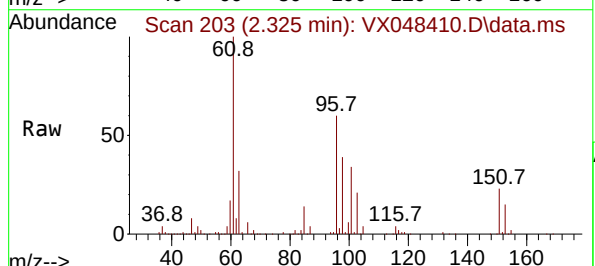
Tgt Ion: 96 Resp: 92758

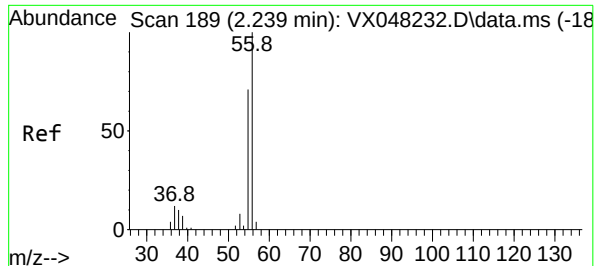
Ion Ratio Lower Upper

96 100

61 167.4 139.0 208.6

98 65.3 52.4 78.6





#13

Acrolein

Concen: 243.066 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 8923

Ion Ratio Lower Upper

56 100

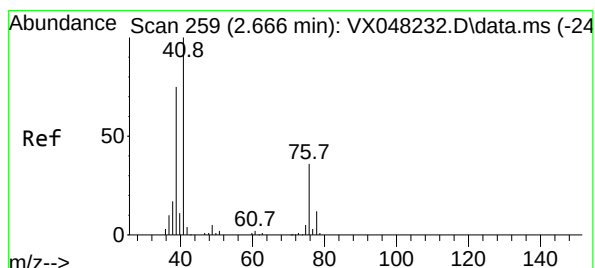
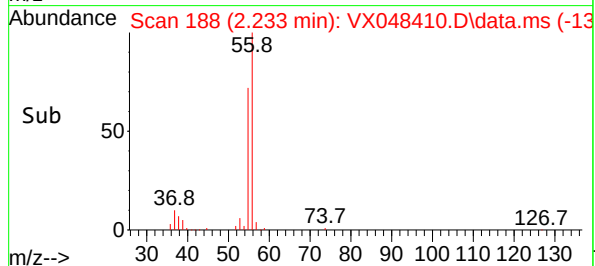
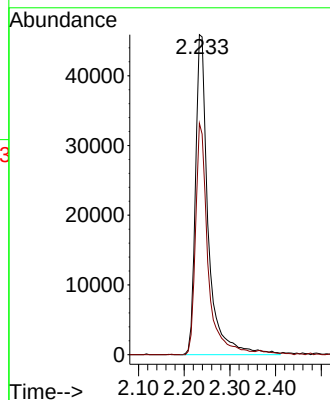
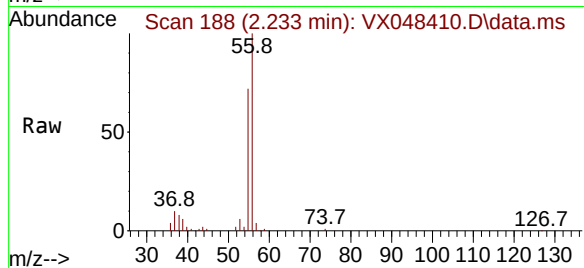
55 70.2 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#14

Allyl chloride

Concen: 47.441 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

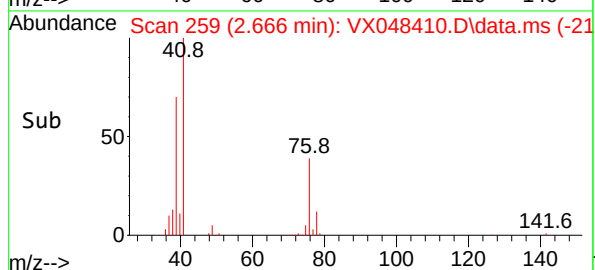
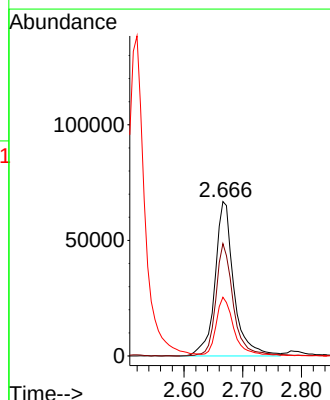
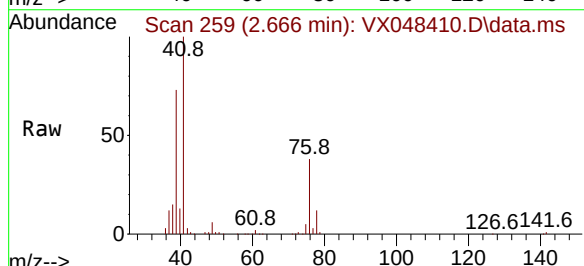
Tgt Ion: 41 Resp: 149275

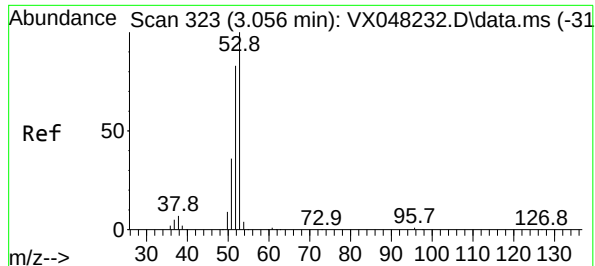
Ion Ratio Lower Upper

41 100

39 68.1 56.0 84.0

76 35.7 27.5 41.3





#15

Acrylonitrile

Concen: 245.957 ug/l

RT: 3.056 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 19680

Ion Ratio Lower Upper

53 100

52 81.0 66.1 99.1

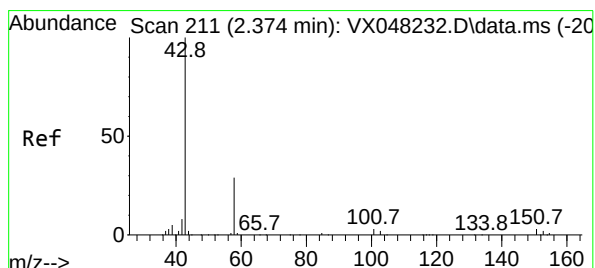
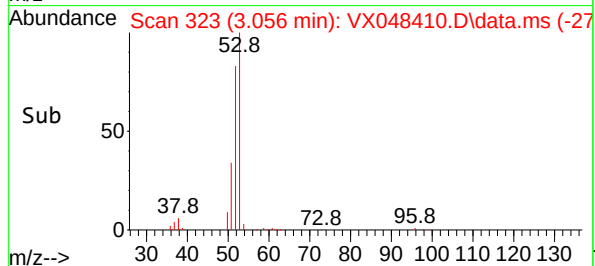
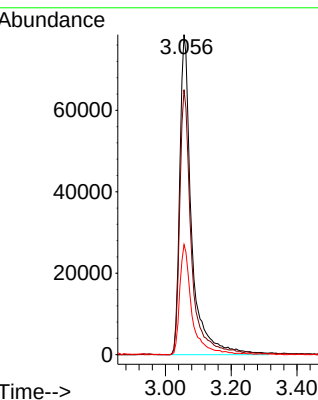
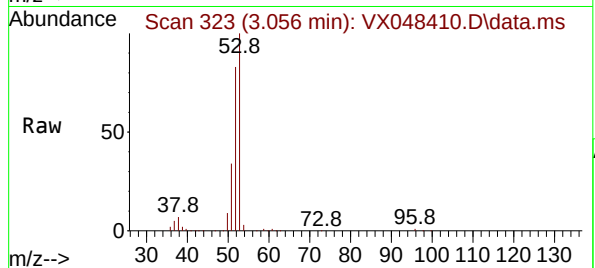
51 35.0 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#16

Acetone

Concen: 243.498 ug/l

RT: 2.373 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX048410.D

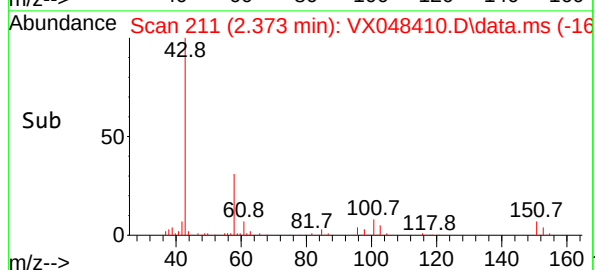
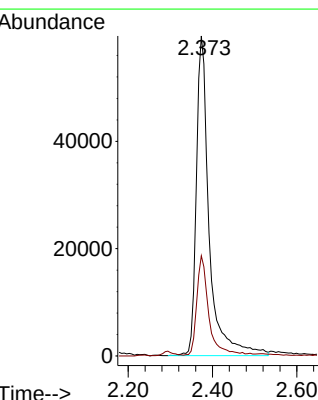
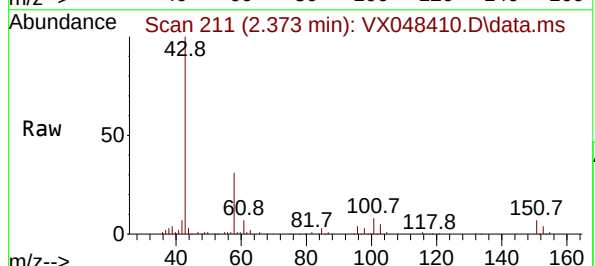
Acq: 29 Oct 2025 12:22

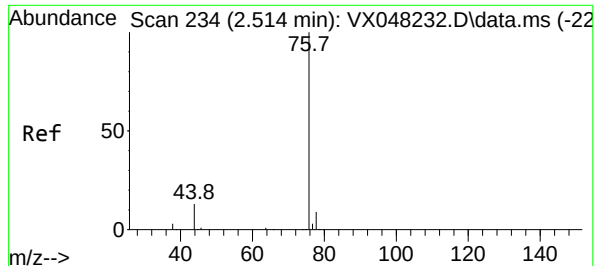
Tgt Ion: 43 Resp: 126696

Ion Ratio Lower Upper

43 100

58 30.7 23.4 35.2





#17

Carbon Disulfide

Concen: 50.216 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 267528

Ion Ratio Lower Upper

76 100

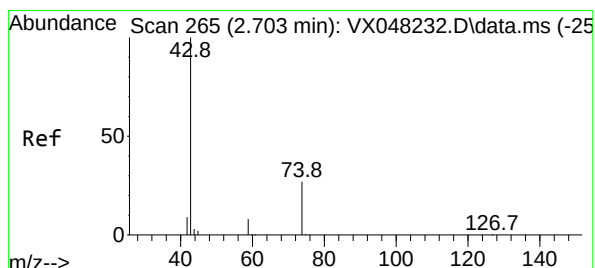
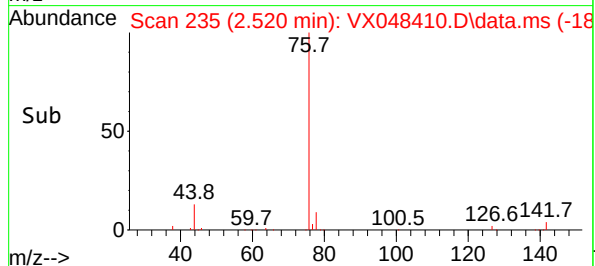
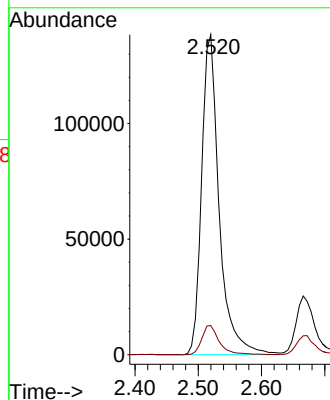
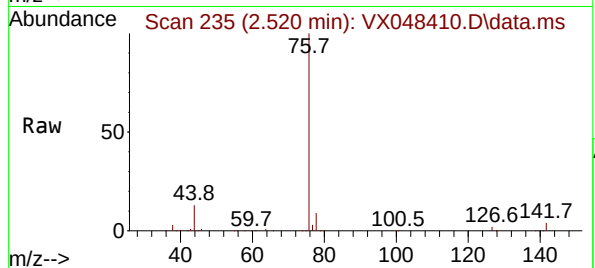
78 9.1 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#18

Methyl Acetate

Concen: 45.269 ug/l

RT: 2.697 min Scan# 264

Delta R.T. 0.000 min

Lab File: VX048410.D

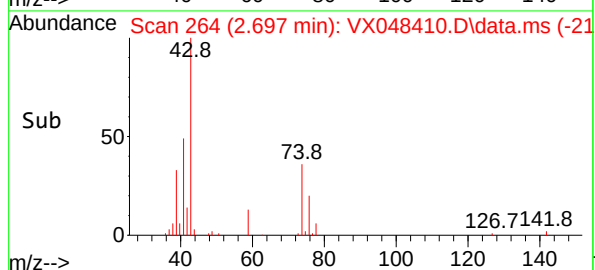
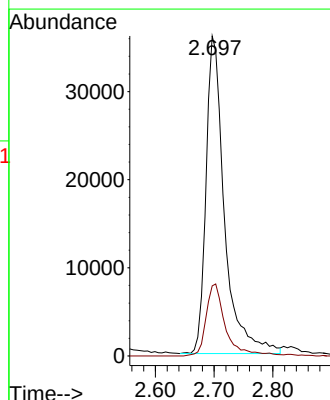
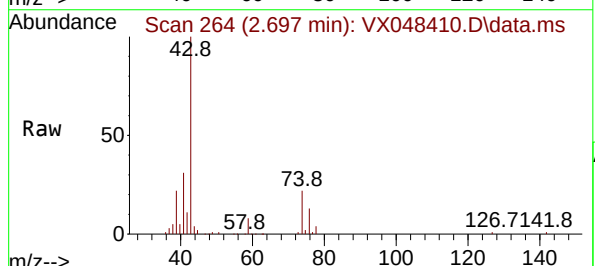
Acq: 29 Oct 2025 12:22

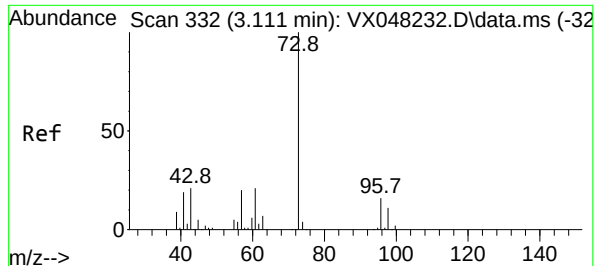
Tgt Ion: 43 Resp: 78778

Ion Ratio Lower Upper

43 100

74 23.7 17.5 26.3





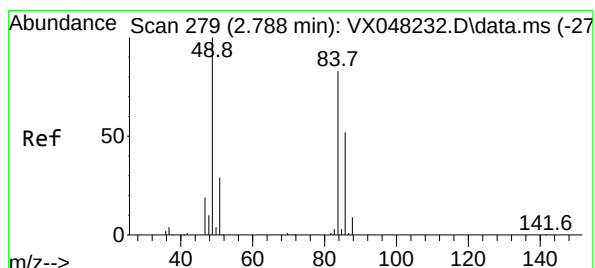
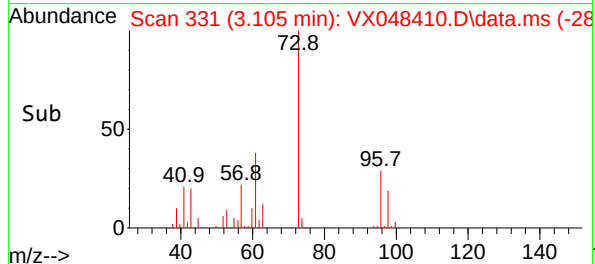
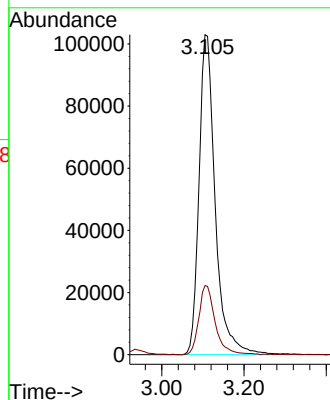
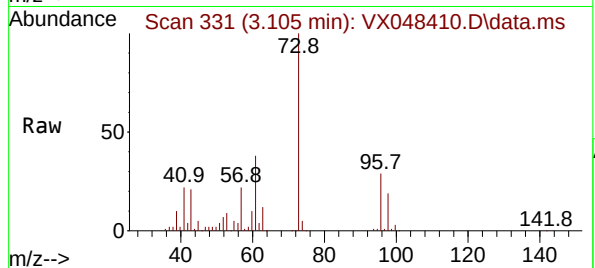
#19  
Methyl tert-butyl Ether  
Concen: 47.305 ug/l  
RT: 3.105 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 73 Resp: 28146  
Ion Ratio Lower Upper  
73 100  
57 21.6 17.7 26.5

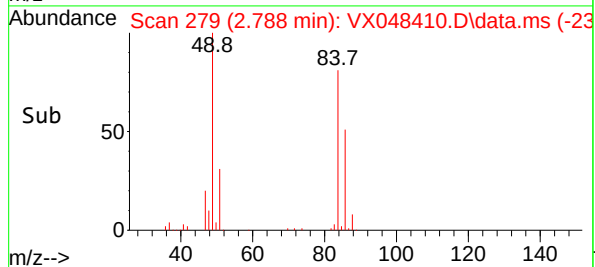
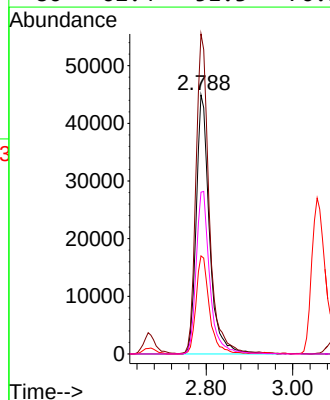
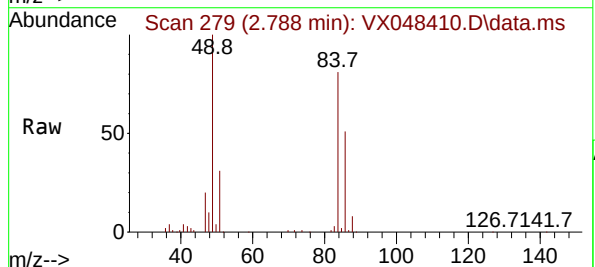
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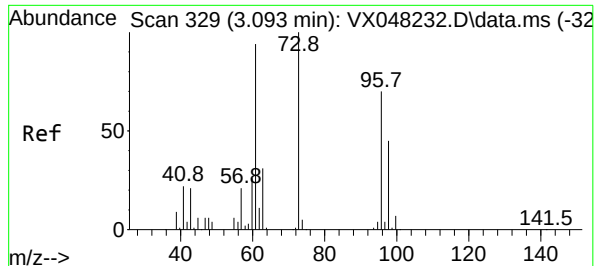
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#20  
Methylene Chloride  
Concen: 47.586 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 84 Resp: 95444  
Ion Ratio Lower Upper  
84 100  
49 123.4 104.1 156.1  
51 37.8 31.3 46.9  
86 62.4 51.3 76.9





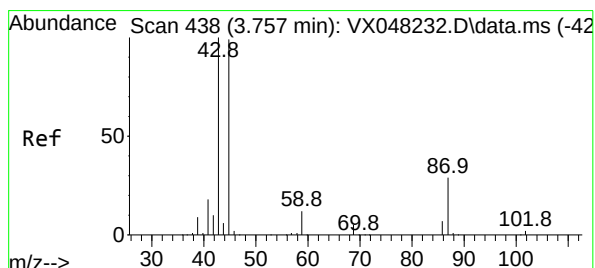
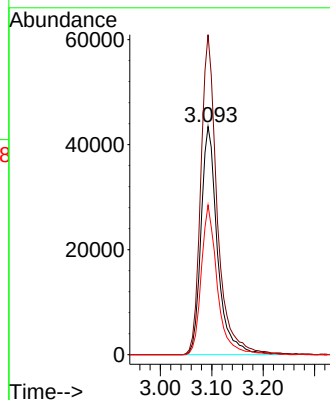
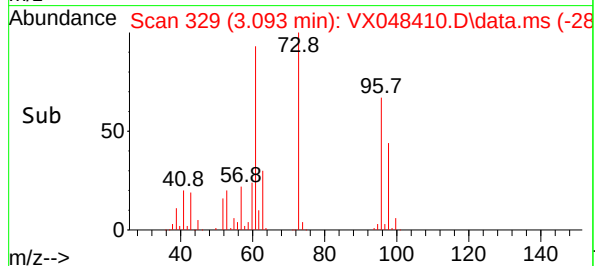
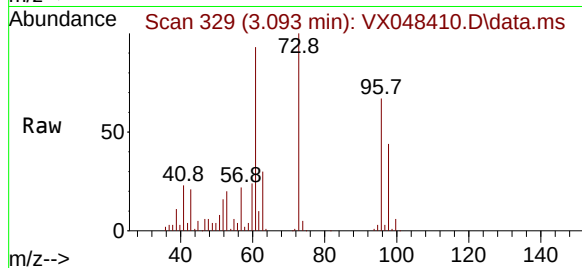
#21  
trans-1,2-Dichloroethene  
Concen: 49.056 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 96 Resp: 9681  
Ion Ratio Lower Upper  
96 100  
61 140.3 111.9 167.9  
98 65.5 51.2 76.8

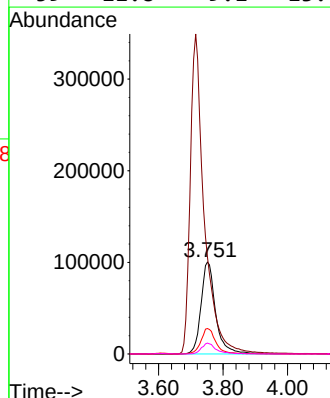
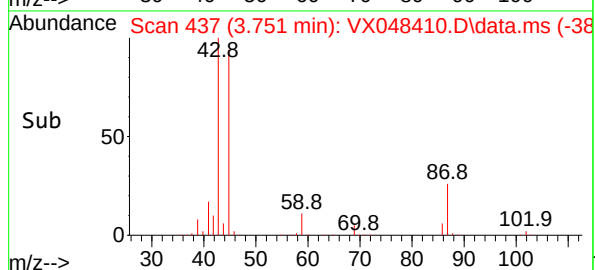
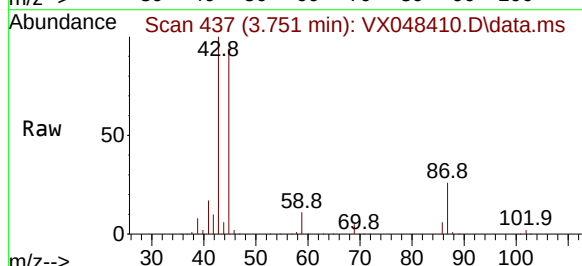
Manual Integrations  
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Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

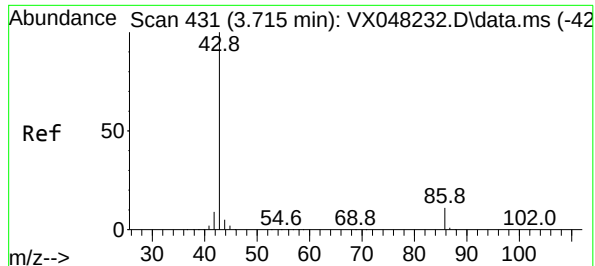


#22  
Diisopropyl ether  
Concen: 49.018 ug/l  
RT: 3.751 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 45 Resp: 315698  
Ion Ratio Lower Upper  
45 100  
43 105.7 89.8 134.8  
87 27.7 20.6 31.0  
59 11.8 9.1 13.7







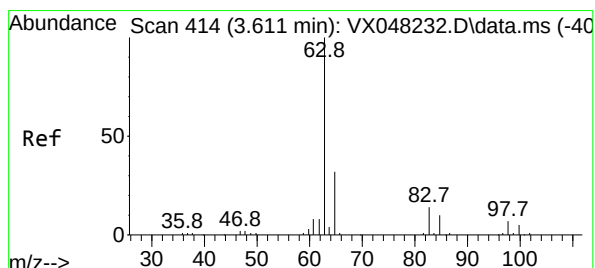
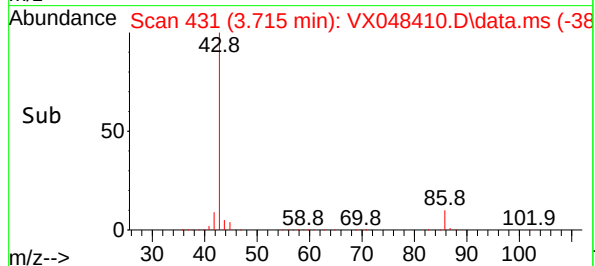
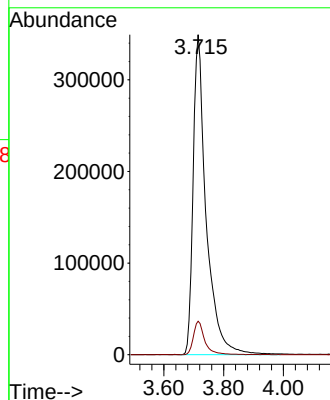
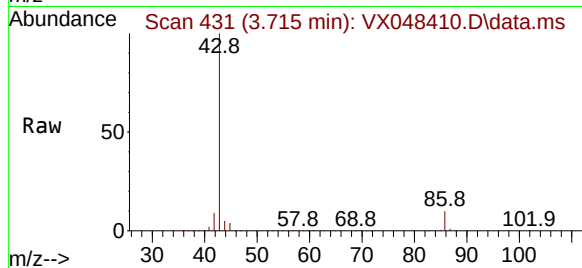
#23  
Vinyl Acetate  
Concen: 242.046 ug/l  
RT: 3.715 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 43 Resp: 106117  
Ion Ratio Lower Upper  
43 100  
86 10.5 7.9 11.9

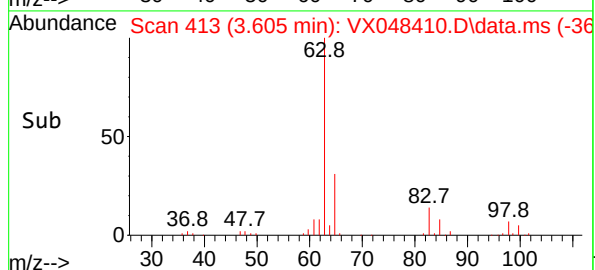
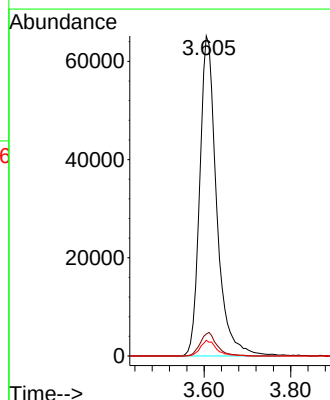
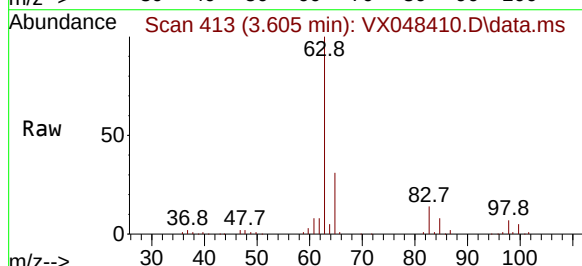
Manual Integrations  
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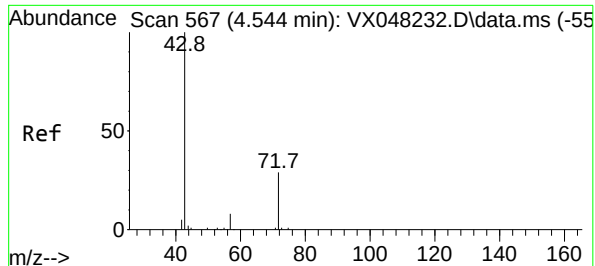
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#24  
1,1-Dichloroethane  
Concen: 48.312 ug/l  
RT: 3.605 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 63 Resp: 176586  
Ion Ratio Lower Upper  
63 100  
98 7.6 3.5 10.6  
100 4.9 2.1 6.3





#25

2-Butanone

Concen: 246.945 ug/l

RT: 4.538 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 20526

Ion Ratio Lower Upper

43 100

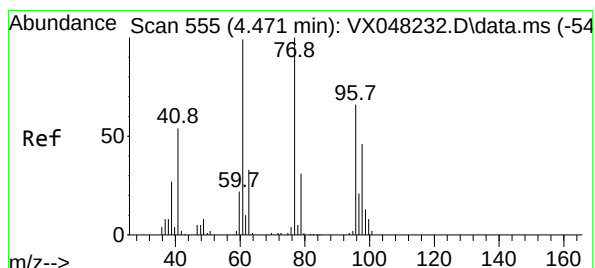
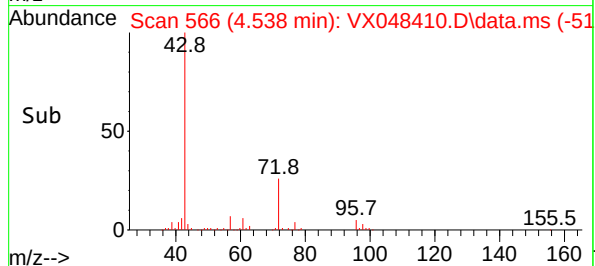
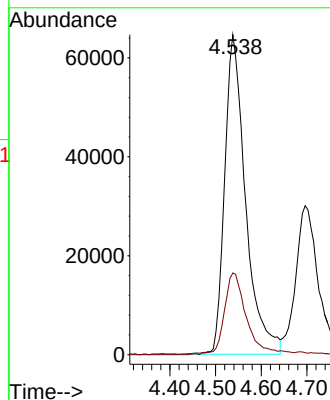
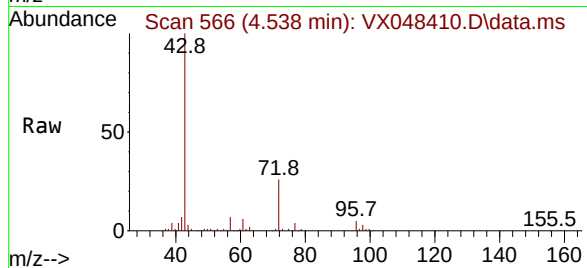
72 25.6 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#26

2,2-Dichloropropane

Concen: 48.296 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX048410.D

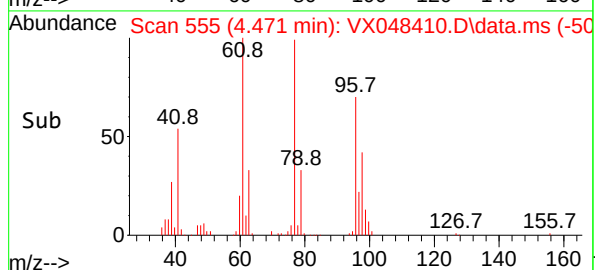
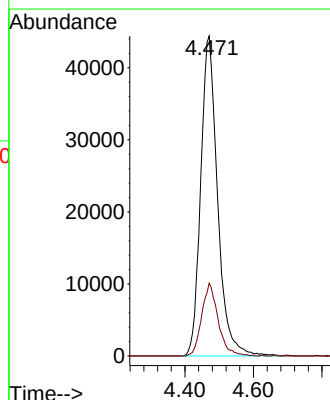
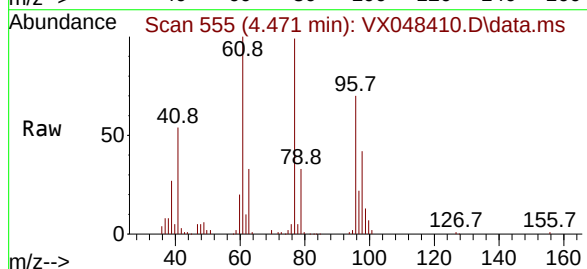
Acq: 29 Oct 2025 12:22

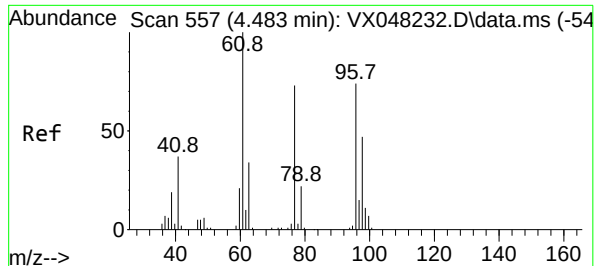
Tgt Ion: 77 Resp: 151991

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 48.269 ug/l

RT: 4.477 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 113692

Ion Ratio Lower Upper

96 100

61 142.7 0.0 294.2

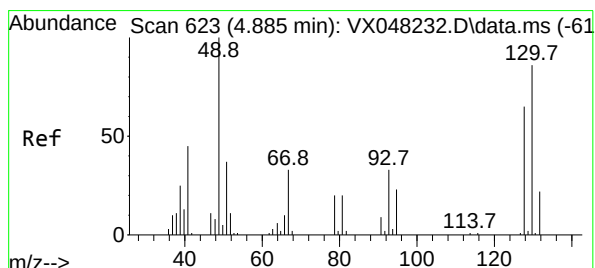
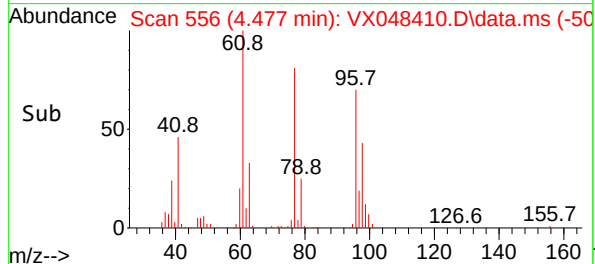
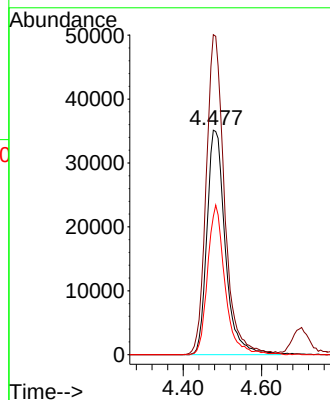
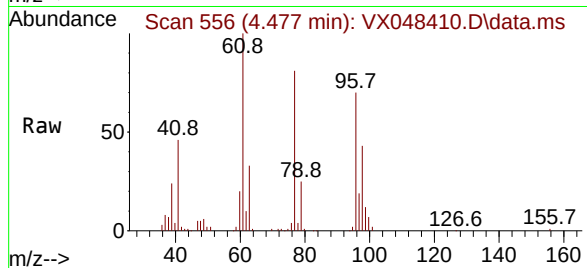
98 63.3 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#28

Bromochloromethane

Concen: 49.419 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

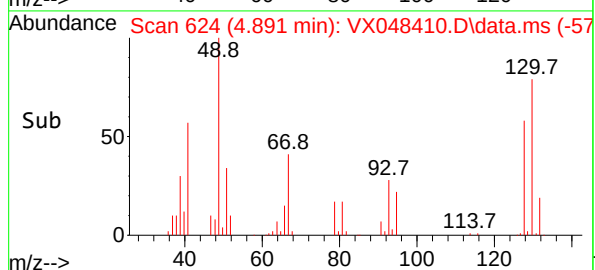
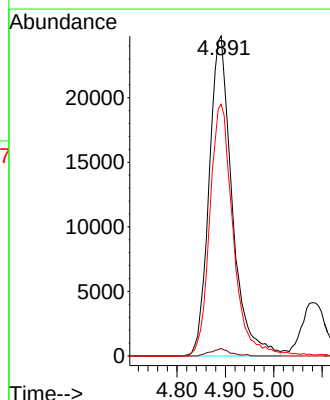
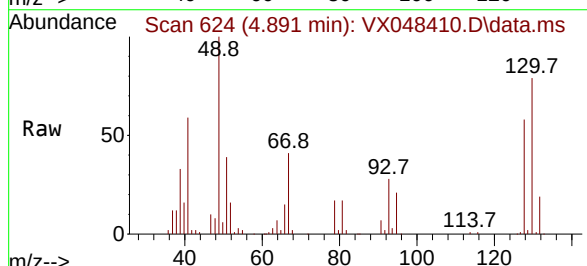
Tgt Ion: 49 Resp: 81862

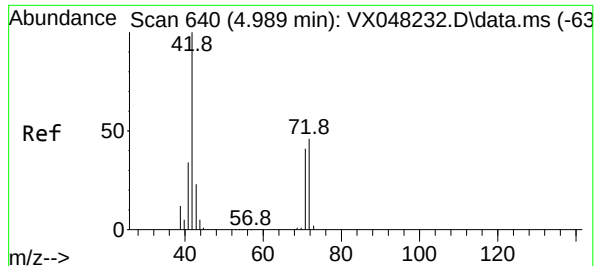
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 79.8 59.3 88.9





#29

Tetrahydrofuran

Concen: 244.506 ug/l

RT: 4.989 min Scan# 640

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 144735

Ion Ratio Lower Upper

42 100

72 45.3 35.3 52.9

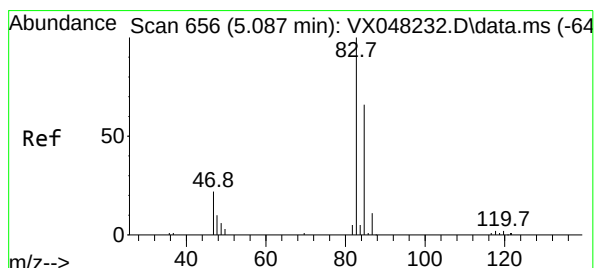
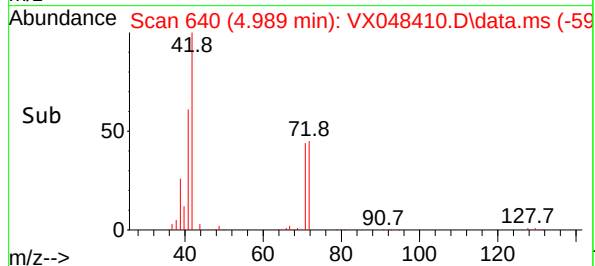
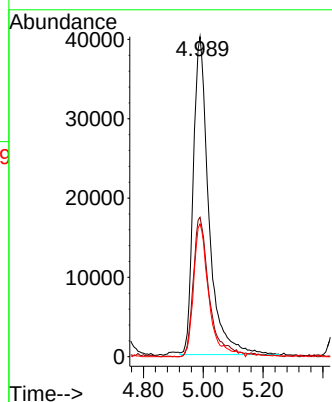
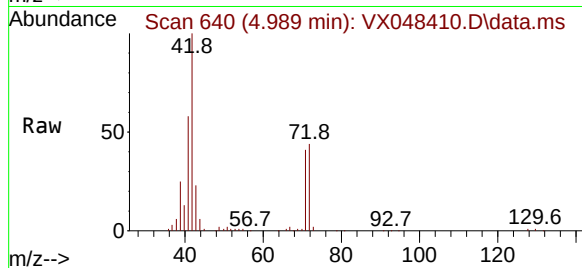
71 40.9 32.2 48.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#30

Chloroform

Concen: 48.005 ug/l

RT: 5.080 min Scan# 655

Delta R.T. 0.000 min

Lab File: VX048410.D

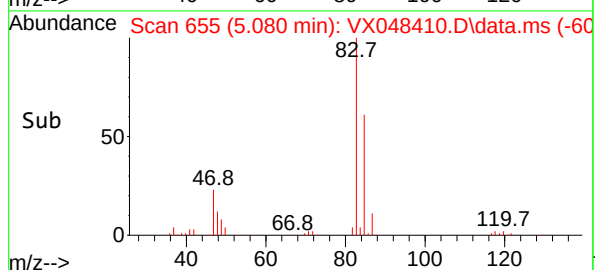
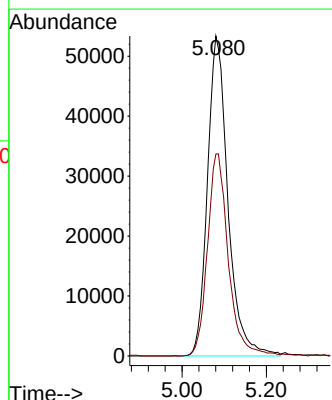
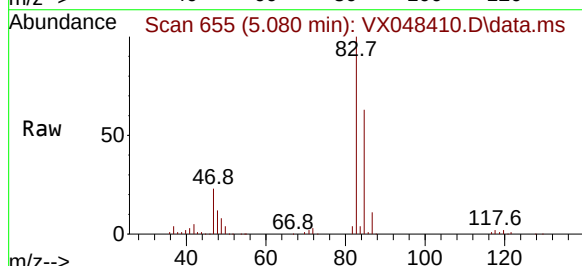
Acq: 29 Oct 2025 12:22

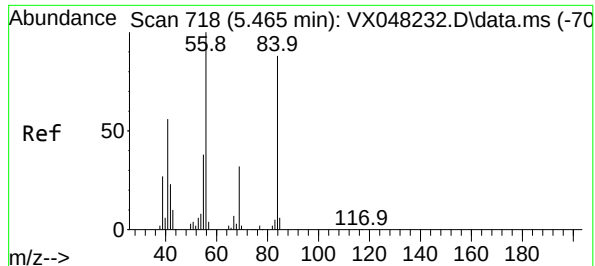
Tgt Ion: 83 Resp: 180495

Ion Ratio Lower Upper

83 100

85 63.1 50.1 75.1





#31

Cyclohexane

Concen: 50.887 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 16144

Ion Ratio Lower Upper

56 100

69 30.6 23.0 34.6

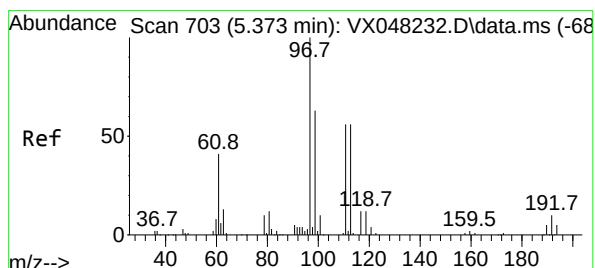
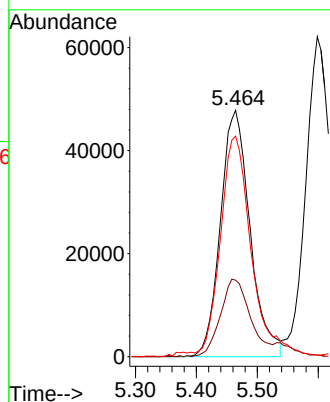
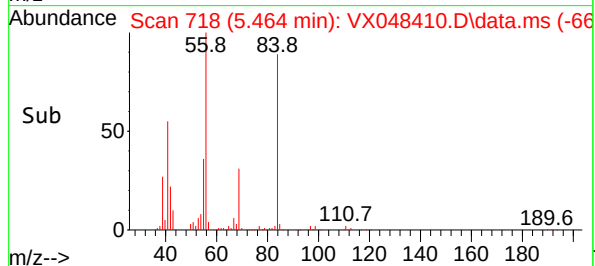
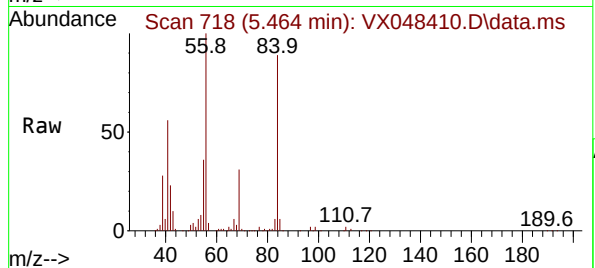
84 87.8 64.6 97.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#32

1,1,1-Trichloroethane

Concen: 49.529 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

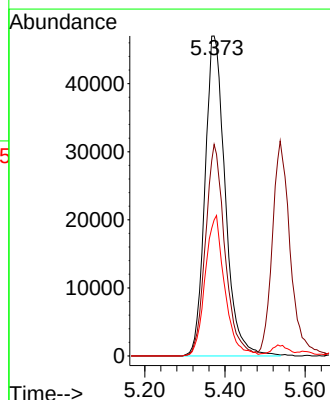
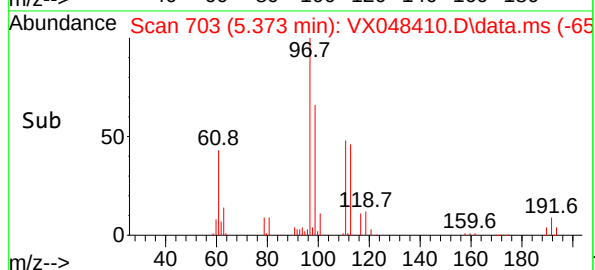
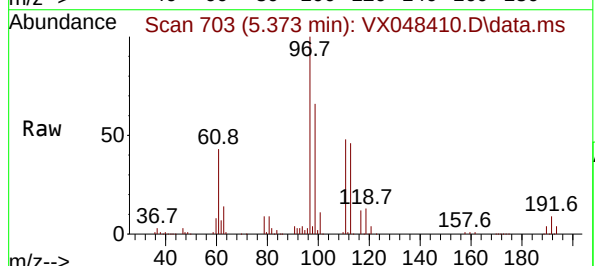
Tgt Ion: 97 Resp: 164402

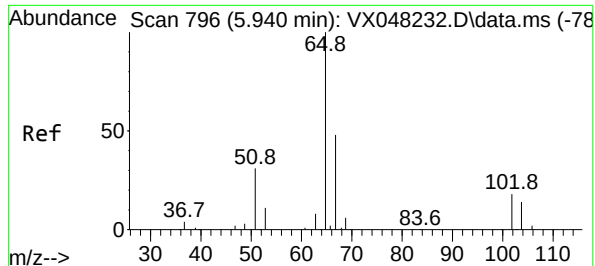
Ion Ratio Lower Upper

97 100

99 63.5 51.7 77.5

61 42.6 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 46.845 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 10754

Ion Ratio Lower Upper

65 100

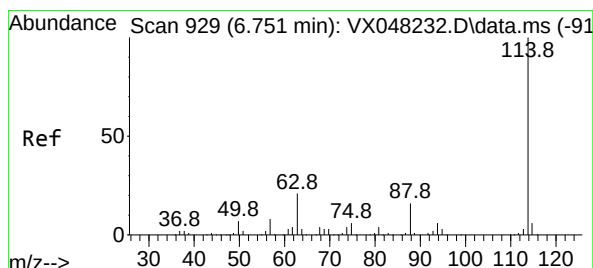
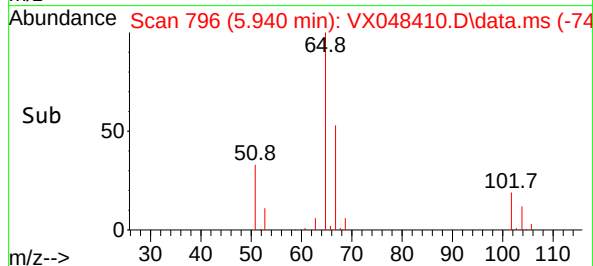
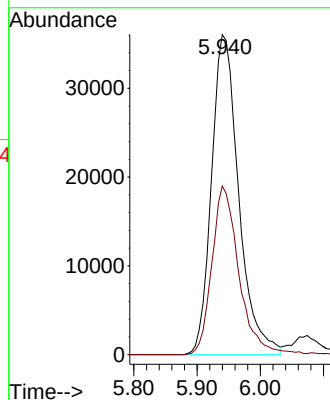
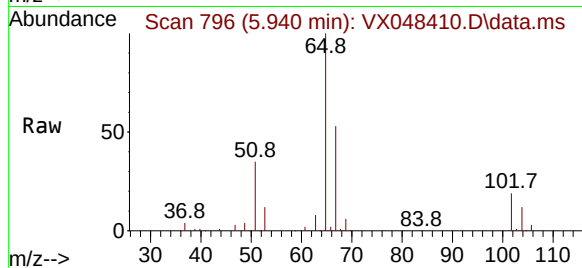
67 52.4 0.0 105.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

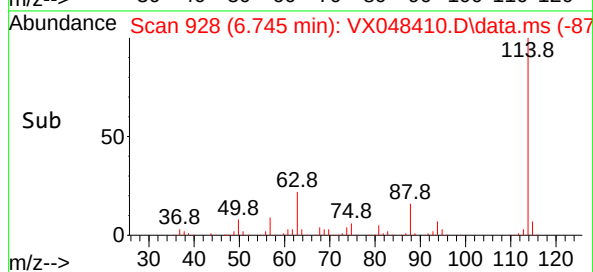
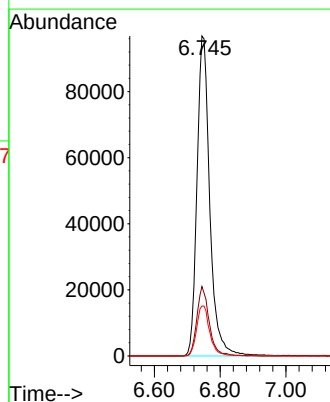
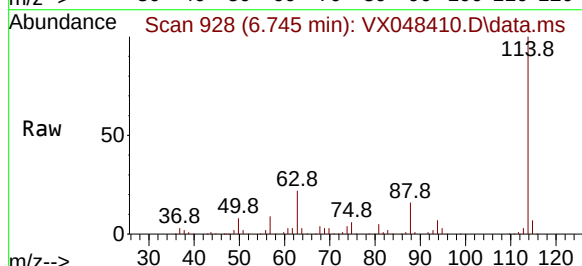
Tgt Ion:114 Resp: 260667

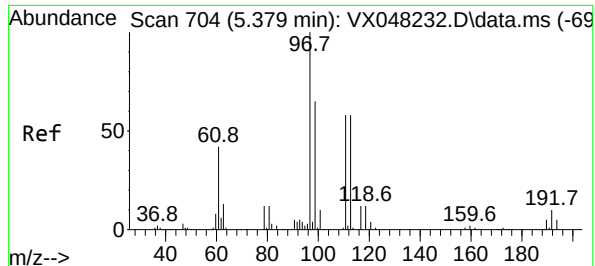
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

88 15.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 48.342 ug/l

RT: 5.373 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

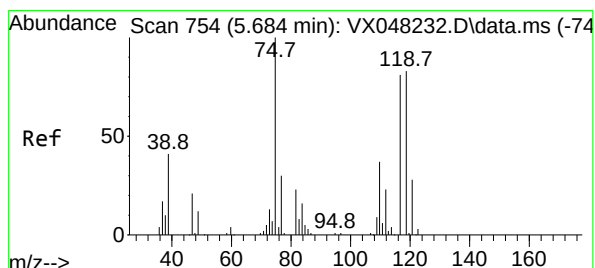
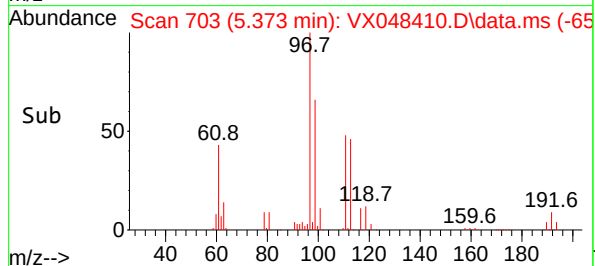
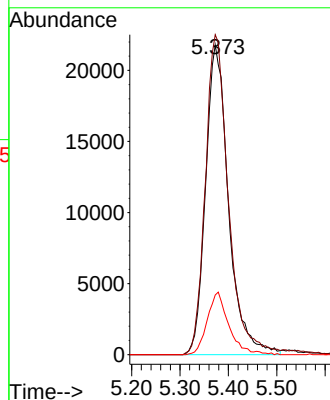
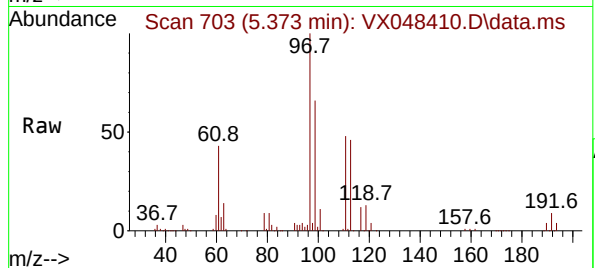
VSTDICCC050

| Tgt Ion: | 113   | Resp: | 71844 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 105.6 | 82.2  | 123.4 |
| 192      | 19.1  | 15.1  | 22.7  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#36

1,1-Dichloropropene

Concen: 51.134 ug/l

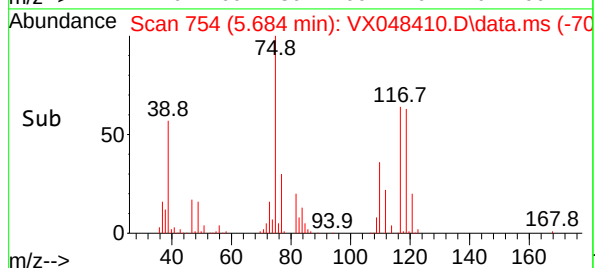
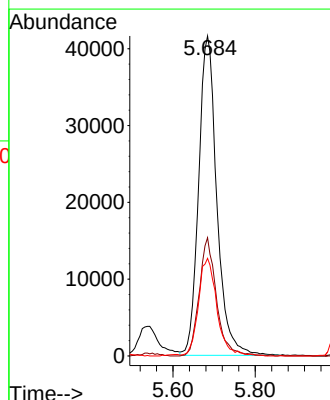
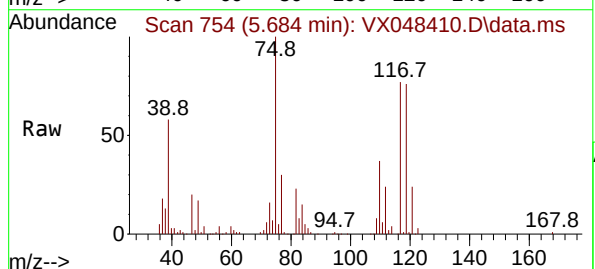
RT: 5.684 min Scan# 754

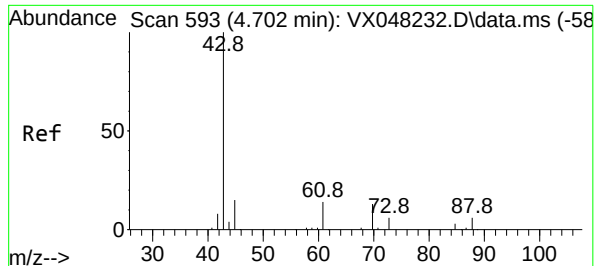
Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

| Tgt Ion: | 75    | Resp: | 127616 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 35.1  | 17.7  | 53.1   |
| 77       | 31.1  | 24.3  | 36.5   |





#37

Ethyl Acetate

Concen: 50.298 ug/l

RT: 4.696 min Scan# 592

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

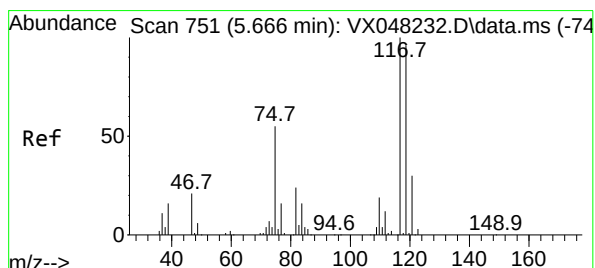
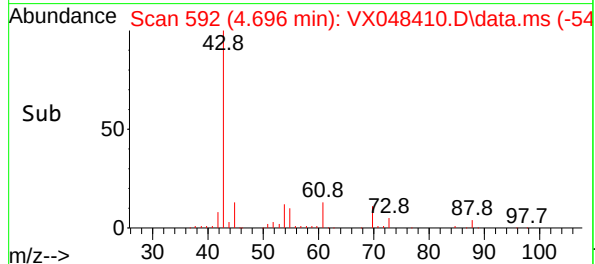
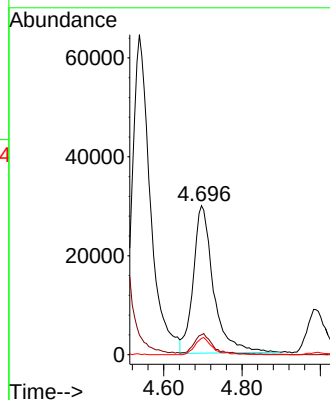
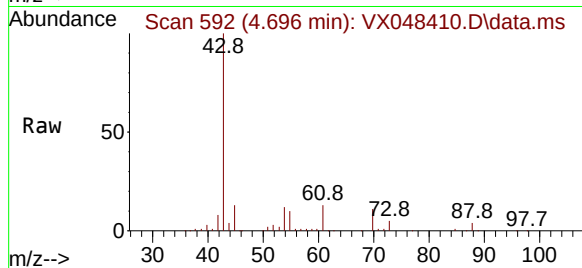
Tgt Ion: 43 Resp: 106949

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 11.8  | 10.6  | 15.8  |
| 70  | 9.6   | 7.8   | 11.6  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#38

Carbon Tetrachloride

Concen: 50.606 ug/l

RT: 5.666 min Scan# 751

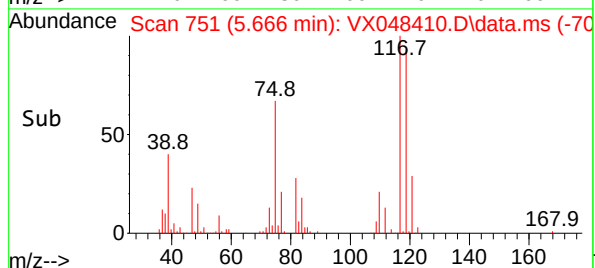
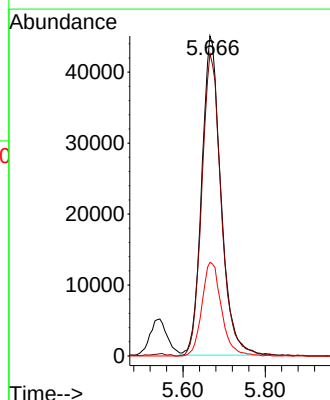
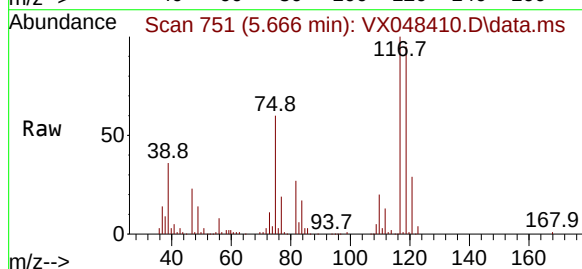
Delta R.T. 0.000 min

Lab File: VX048410.D

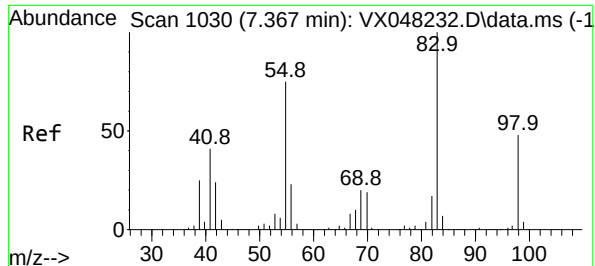
Acq: 29 Oct 2025 12:22

Tgt Ion:117 Resp: 145824

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 94.6  | 77.2  | 115.8 |
| 121 | 29.3  | 24.8  | 37.2  |







#39

Methylcyclohexane

Concen: 53.976 ug/l

RT: 7.366 min Scan# 10

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 17323

Ion Ratio Lower Upper

83 100

55 74.9 66.2 99.2

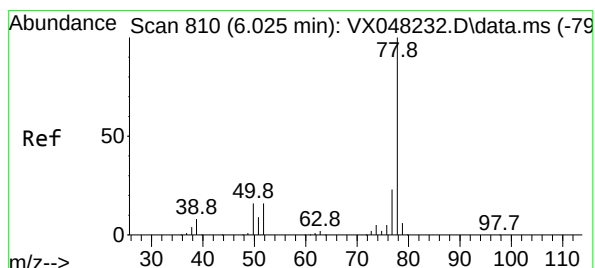
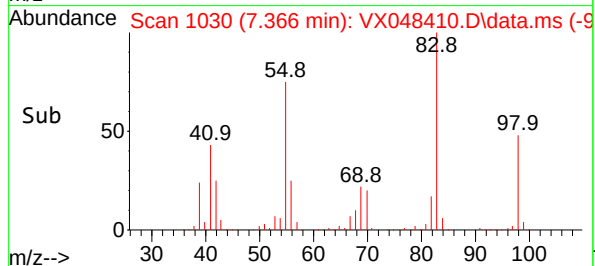
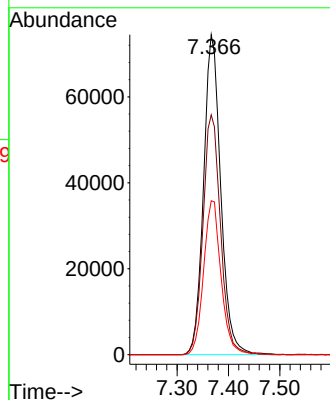
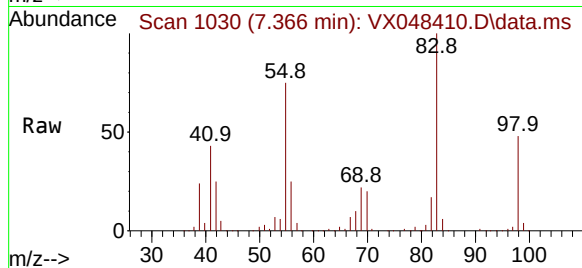
98 48.1 38.9 58.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#40

Benzene

Concen: 50.323 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX048410.D

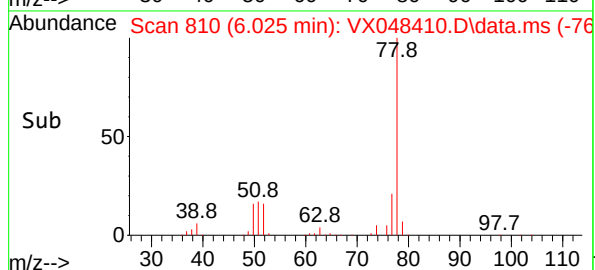
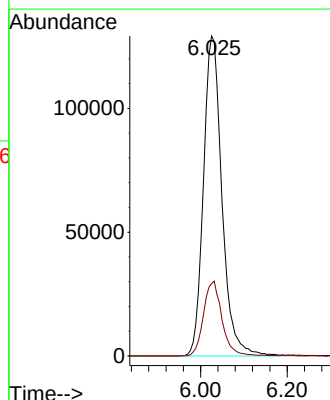
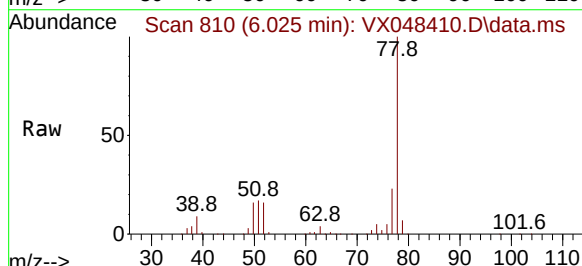
Acq: 29 Oct 2025 12:22

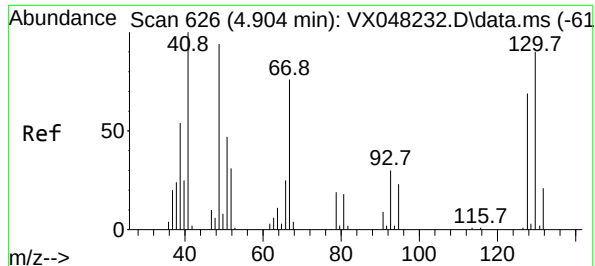
Tgt Ion: 78 Resp: 383684

Ion Ratio Lower Upper

78 100

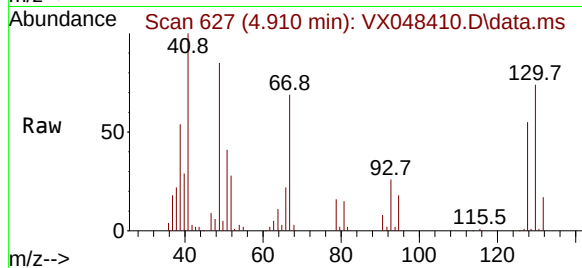
77 22.6 19.3 28.9





#41  
Methacrylonitrile  
Concen: 52.257 ug/l  
RT: 4.910 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

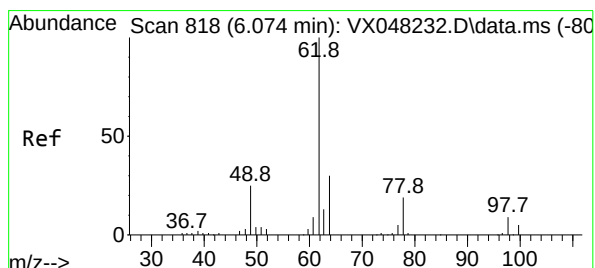
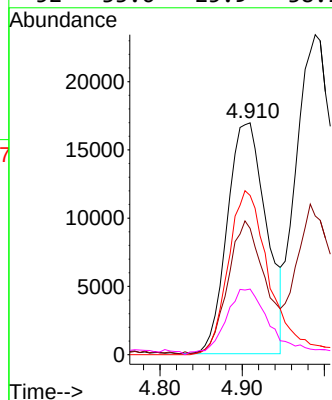
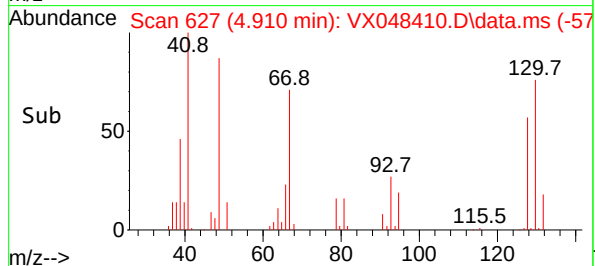
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050



Tgt Ion: 41 Resp: 5596  
Ion Ratio Lower Upper  
41 100  
39 54.0 44.0 66.0  
67 76.5 58.7 88.1  
52 33.6 25.9 38.9

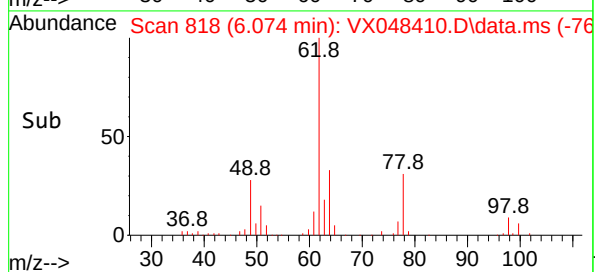
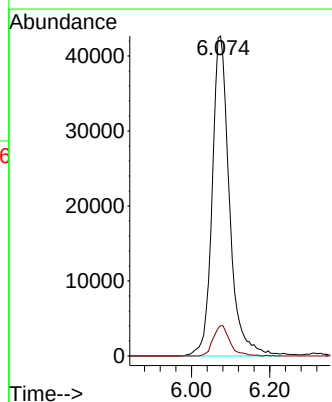
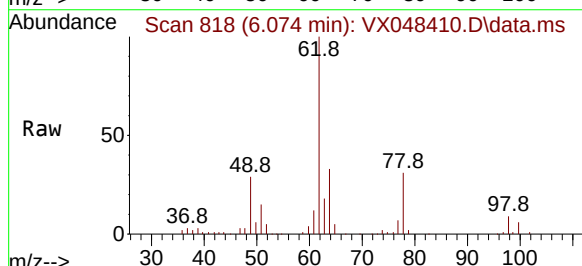
Manual Integrations  
APPROVED

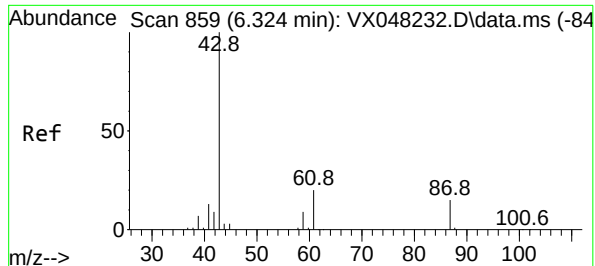
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#42  
1,2-Dichloroethane  
Concen: 48.603 ug/l  
RT: 6.074 min Scan# 818  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 62 Resp: 130524  
Ion Ratio Lower Upper  
62 100  
98 9.2 0.0 17.2





#43

Isopropyl Acetate

Concen: 49.902 ug/l

RT: 6.324 min Scan# 859

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 17518

Ion Ratio Lower Upper

43 100

61 19.5 14.9 22.3

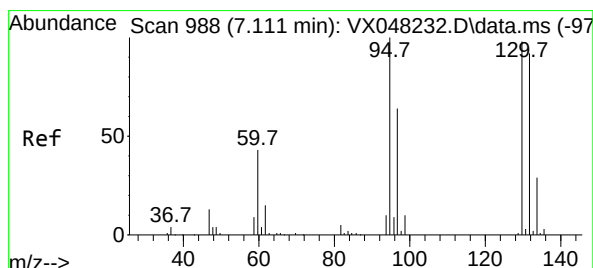
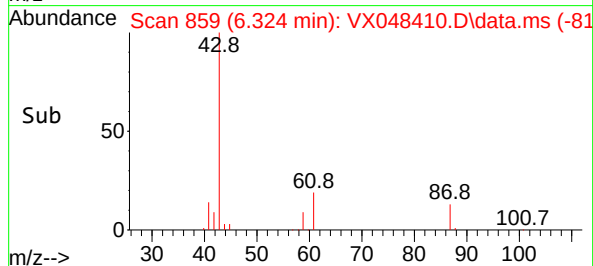
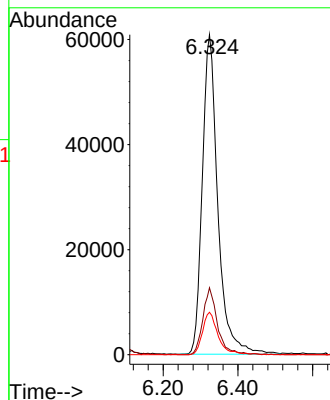
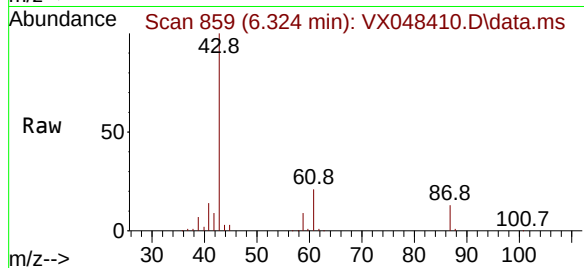
87 13.2 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#44

Trichloroethene

Concen: 49.745 ug/l

RT: 7.110 min Scan# 988

Delta R.T. 0.000 min

Lab File: VX048410.D

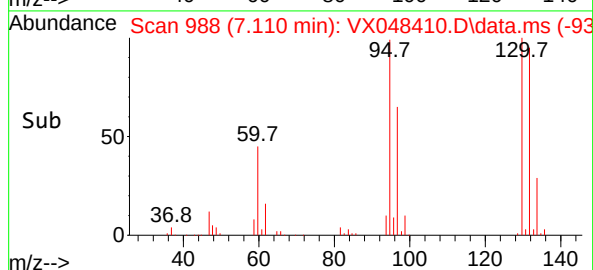
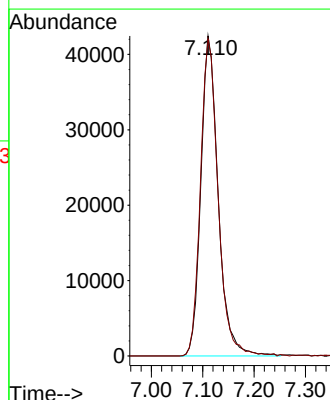
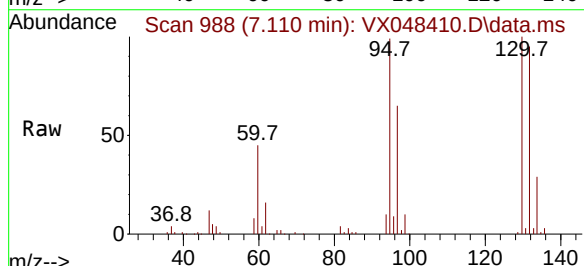
Acq: 29 Oct 2025 12:22

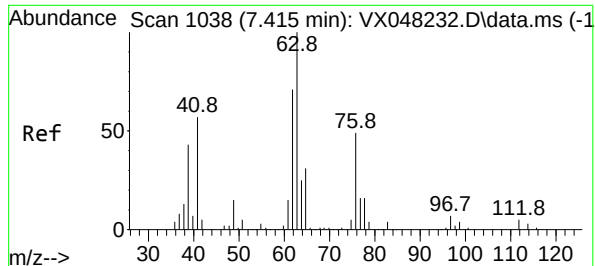
Tgt Ion:130 Resp: 99369

Ion Ratio Lower Upper

130 100

95 99.1 0.0 200.6





#45

1,2-Dichloropropane

Concen: 49.574 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 9439

Ion Ratio Lower Upper

63 100

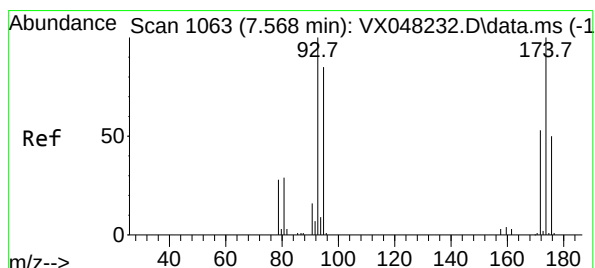
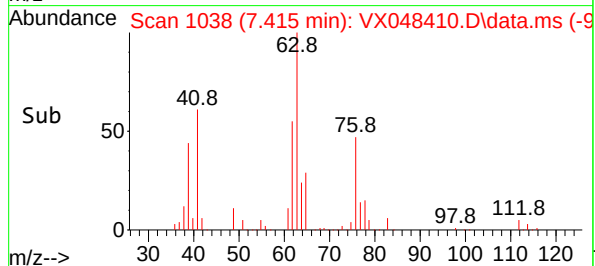
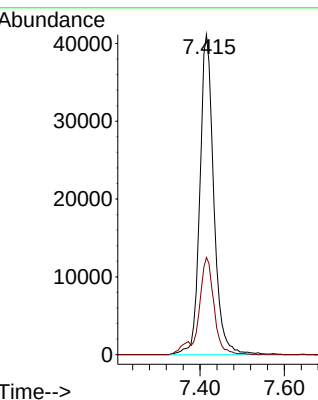
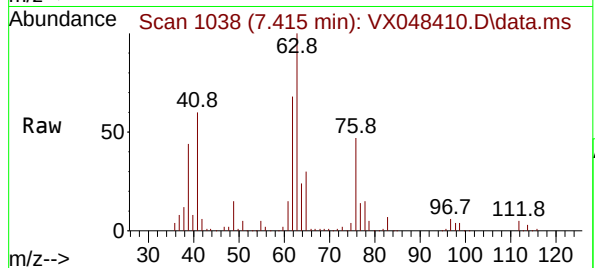
65 30.4 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#46

Dibromomethane

Concen: 49.289 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

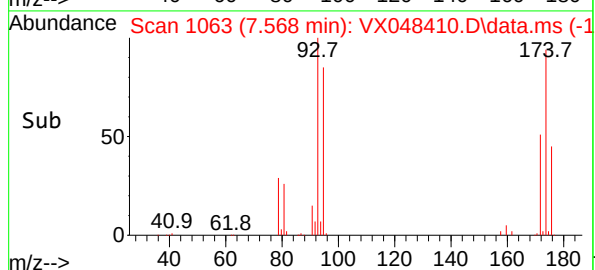
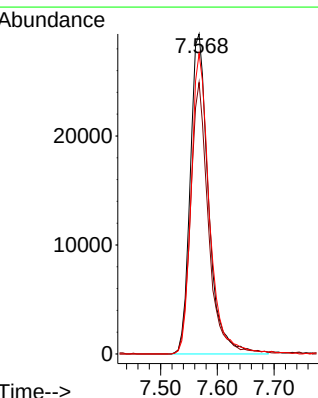
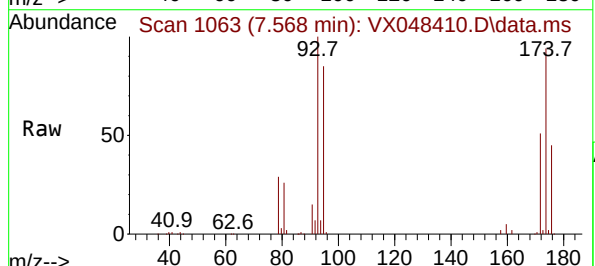
Tgt Ion: 93 Resp: 65702

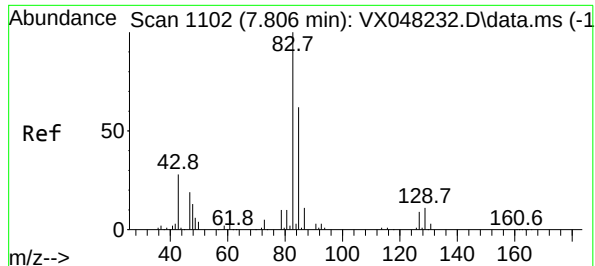
Ion Ratio Lower Upper

93 100

95 82.8 65.9 98.9

174 94.1 71.7 107.5





#47

Bromodichloromethane

Concen: 49.480 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

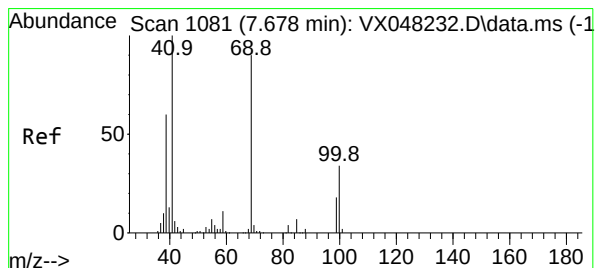
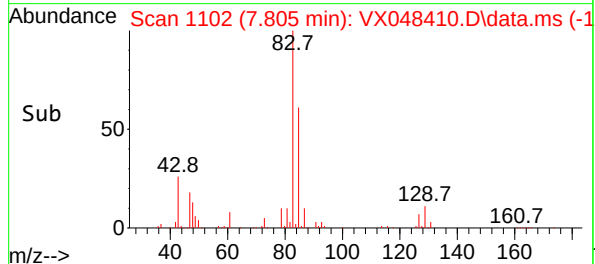
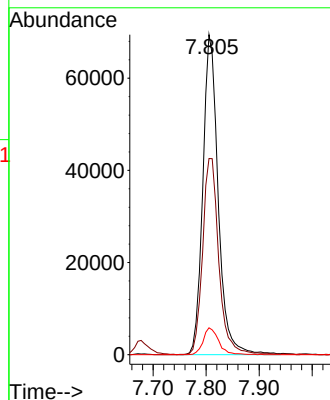
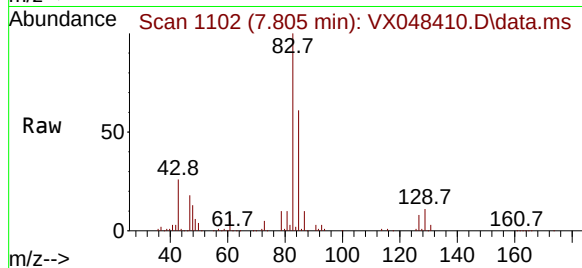
VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 140139 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 61.2  | 52.2  | 78.4   |
| 127      | 8.4   | 7.3   | 10.9   |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#48

Methyl methacrylate

Concen: 50.837 ug/l

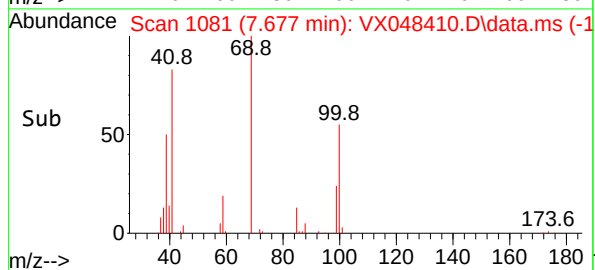
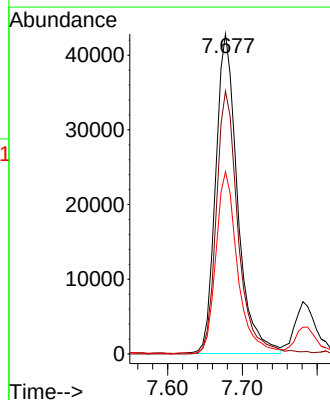
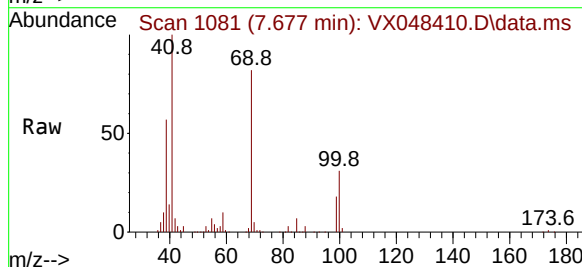
RT: 7.677 min Scan# 1081

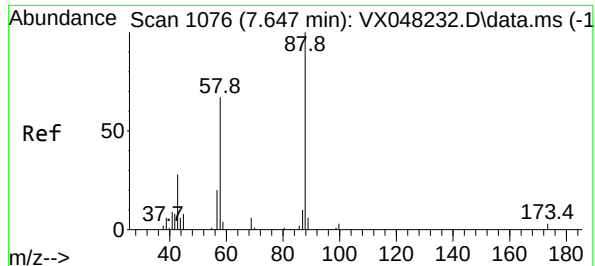
Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 87031 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 82.1  | 63.4  | 95.0  |
| 39       | 56.3  | 47.1  | 70.7  |





#49

1,4-Dioxane

Concen: 1059.032 ug/l

RT: 7.641 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

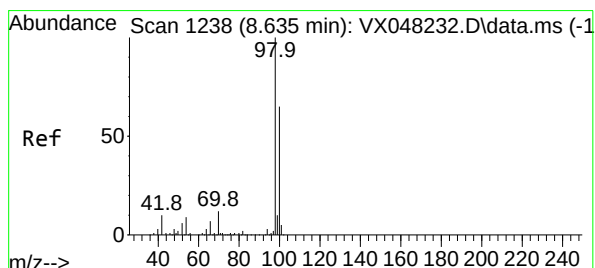
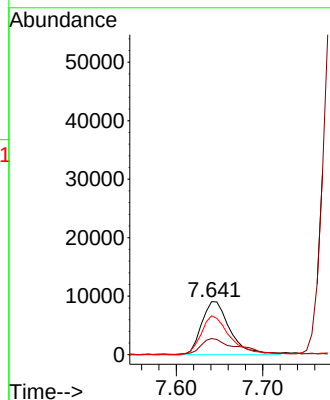
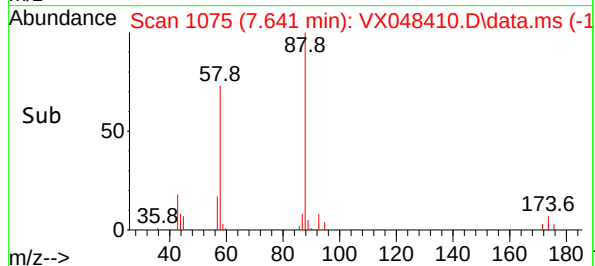
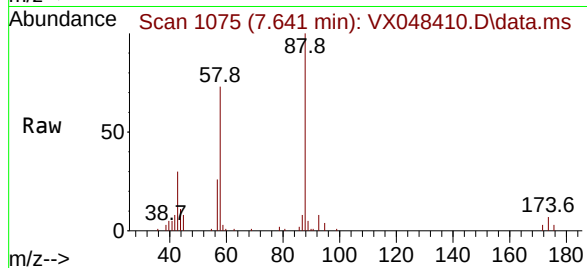
VSTDICCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 2060  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 38.5  | 35.0  | 52.4  |
| 58       | 75.0  | 61.9  | 92.9  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#50

Toluene-d8

Concen: 48.535 ug/l

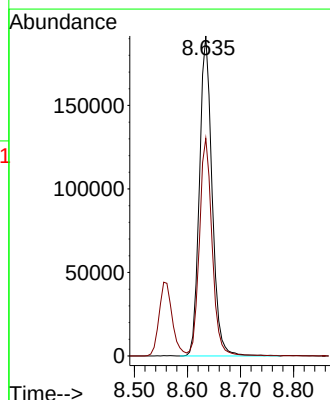
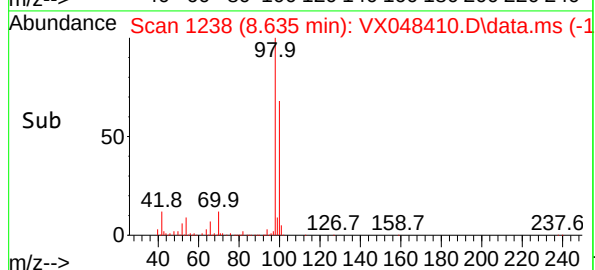
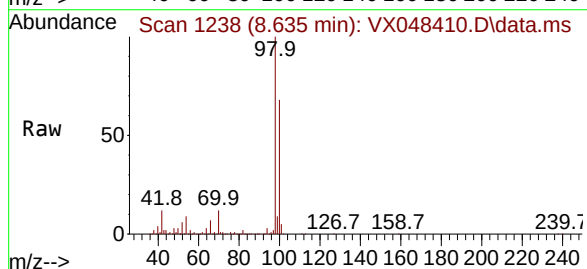
RT: 8.635 min Scan# 1238

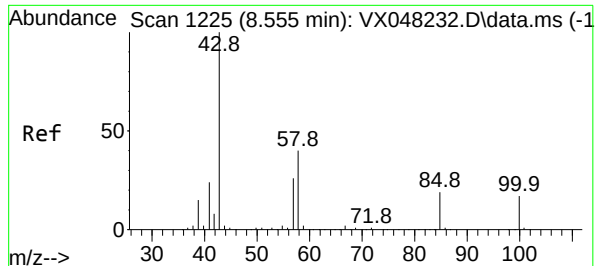
Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 318405 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 68.0  | 53.0  | 79.4   |





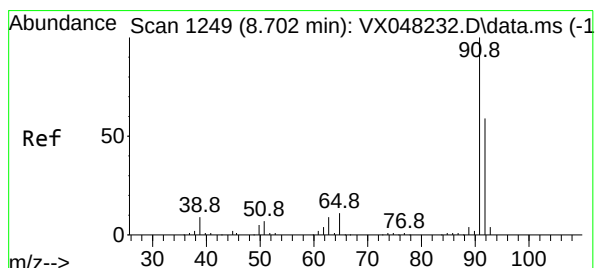
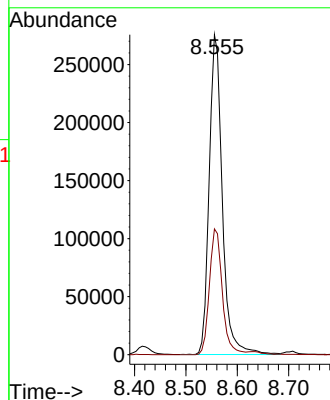
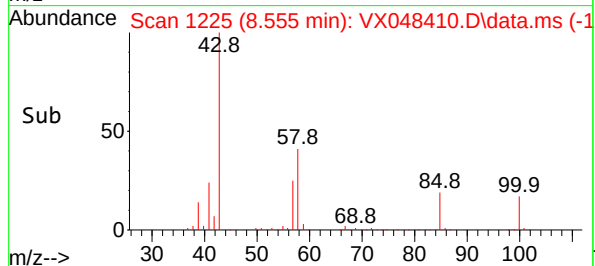
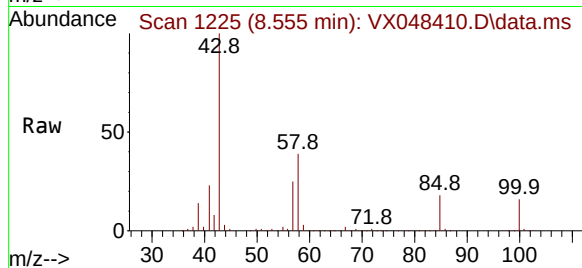
#51  
4-Methyl-2-Pentanone  
Concen: 250.278 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 43 Resp: 48897  
Ion Ratio Lower Upper  
43 100  
58 38.7 29.5 44.3

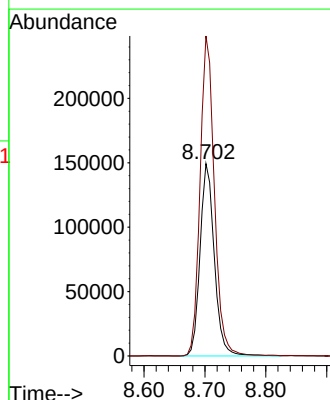
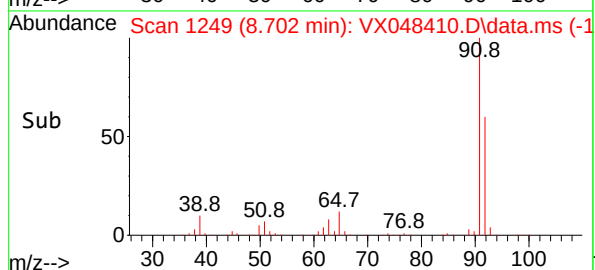
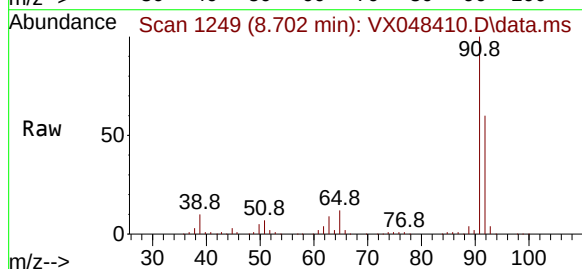
Manual Integrations  
APPROVED

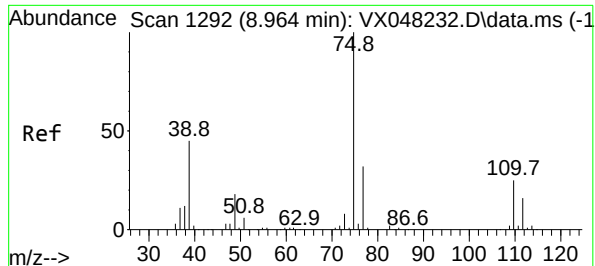
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#52  
Toluene  
Concen: 50.935 ug/l  
RT: 8.702 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 92 Resp: 242665  
Ion Ratio Lower Upper  
92 100  
91 167.8 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 50.378 ug/l

RT: 8.964 min Scan# 1292

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 12932

Ion Ratio Lower Upper

75 100

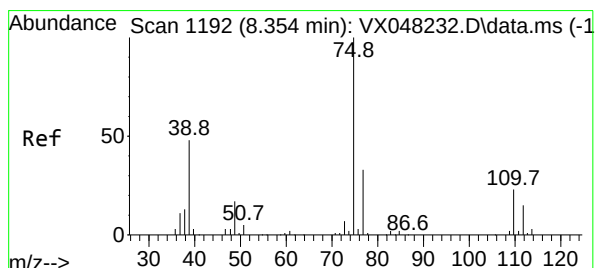
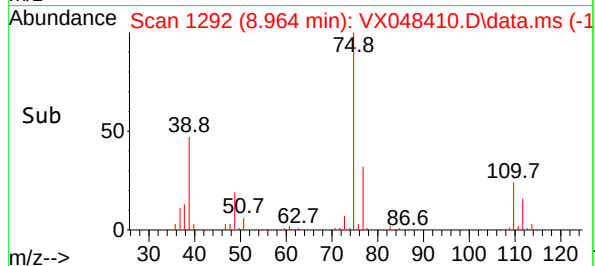
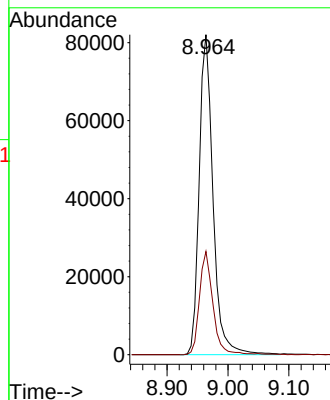
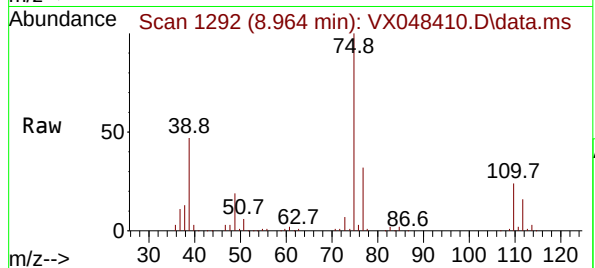
77 32.2 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#54

cis-1,3-Dichloropropene

Concen: 49.371 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

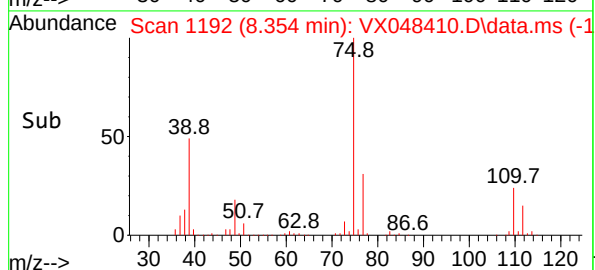
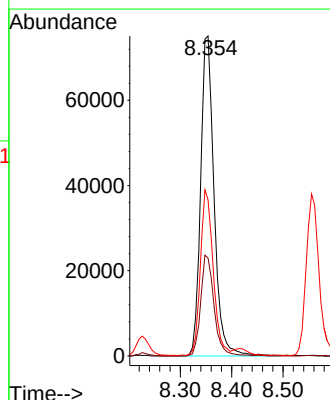
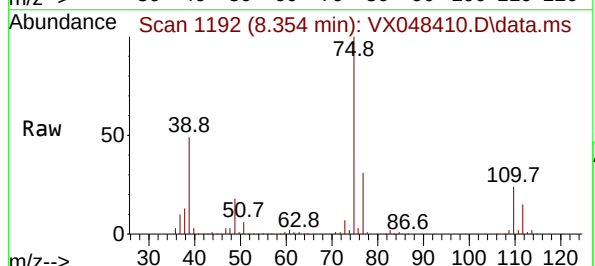
Tgt Ion: 75 Resp: 136550

Ion Ratio Lower Upper

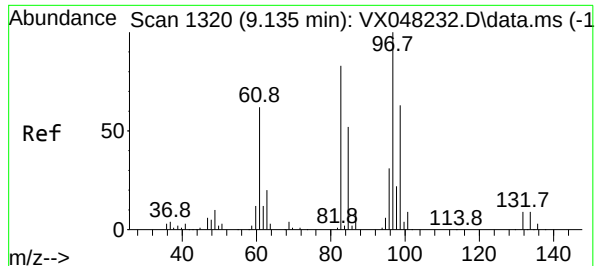
75 100

77 30.6 24.9 37.3

39 48.5 42.6 64.0







#55

1,1,2-Trichloroethane

Concen: 49.233 ug/l

RT: 9.134 min Scan# 1320

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 8488

Ion Ratio Lower Upper

97 100

83 85.8 70.6 105.8

85 55.0 45.0 67.6

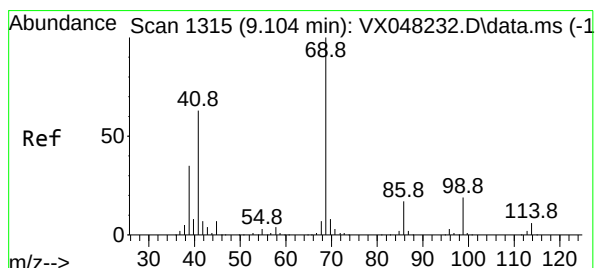
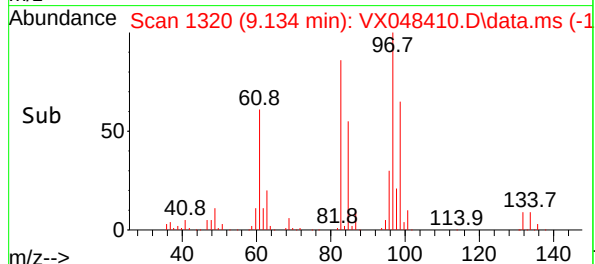
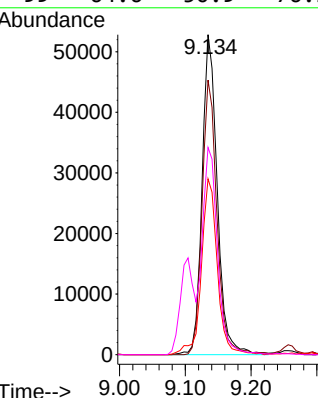
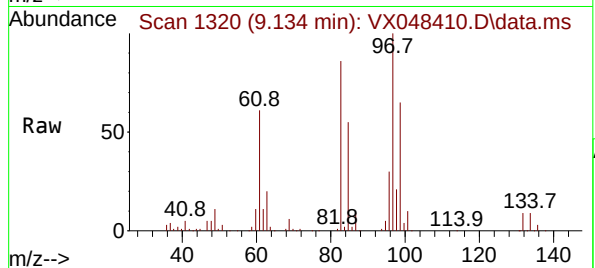
99 64.6 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#56

Ethyl methacrylate

Concen: 50.827 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

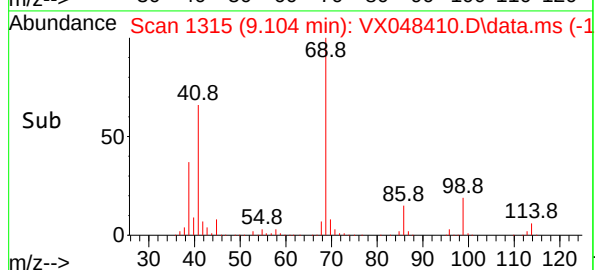
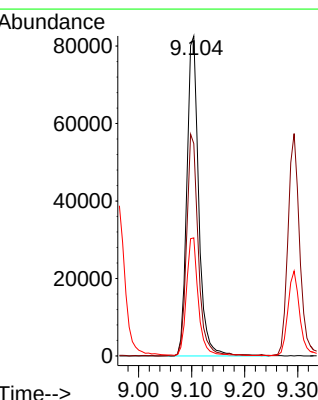
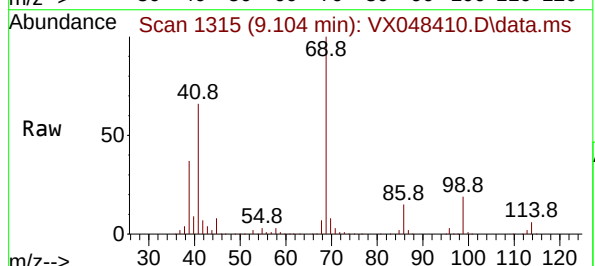
Tgt Ion: 69 Resp: 128314

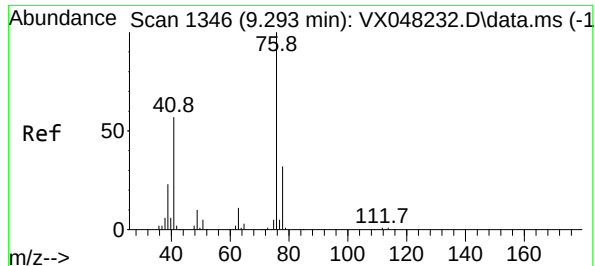
Ion Ratio Lower Upper

69 100

41 68.1 56.0 84.0

39 37.0 31.6 47.4





#57

1,3-Dichloropropane

Concen: 49.531 ug/l

RT: 9.293 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 14806

Ion Ratio Lower Upper

76 100

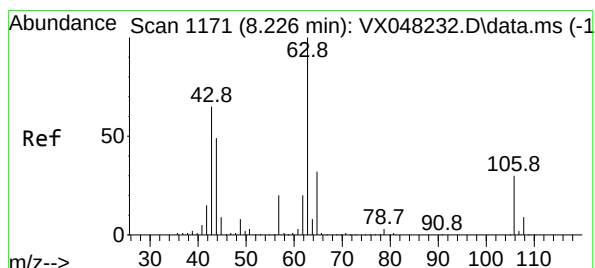
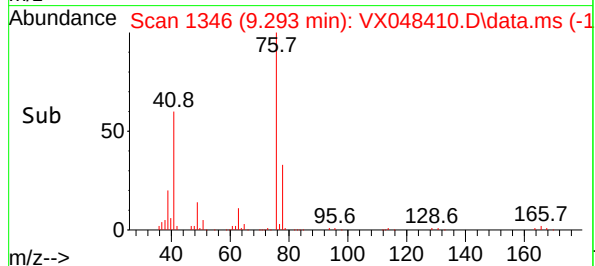
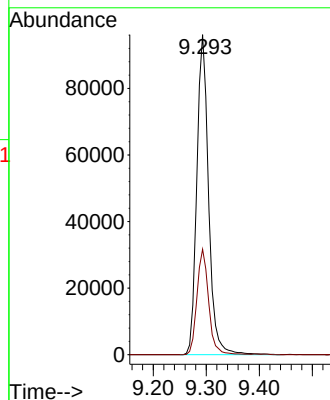
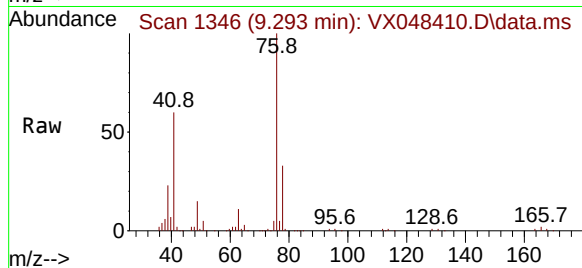
78 32.8 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#58

2-Chloroethyl Vinyl ether

Concen: 244.619 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX048410.D

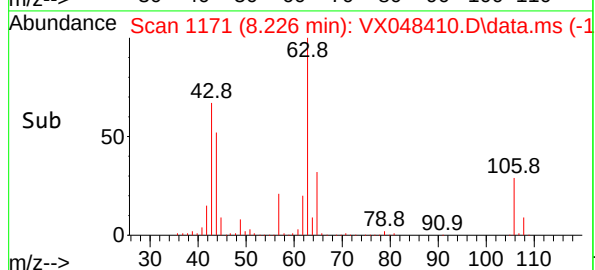
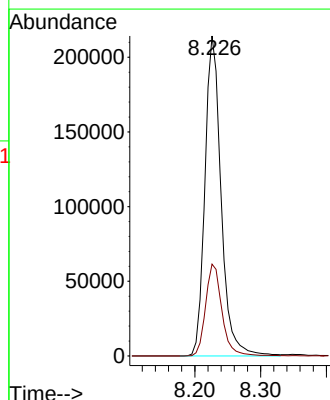
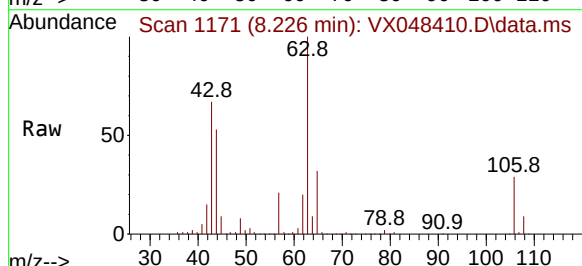
Acq: 29 Oct 2025 12:22

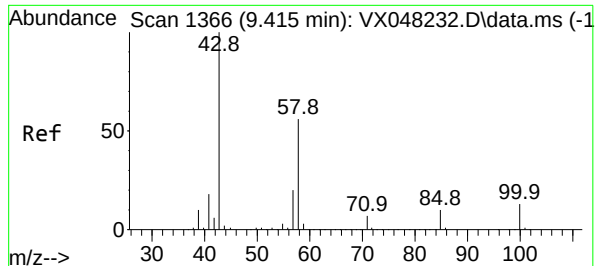
Tgt Ion: 63 Resp: 367501

Ion Ratio Lower Upper

63 100

106 29.1 22.2 33.2





#59

2-Hexanone

Concen: 257.761 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 327670

Ion Ratio Lower Upper

43 100

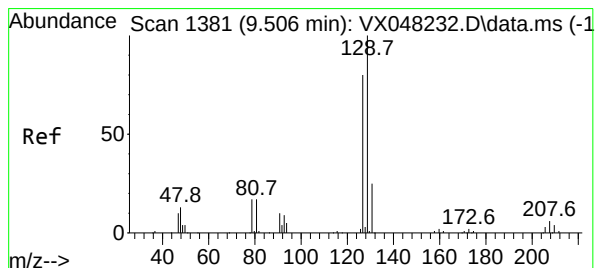
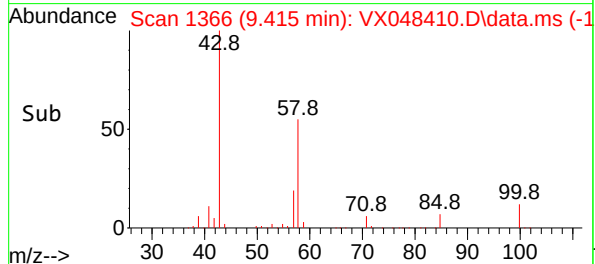
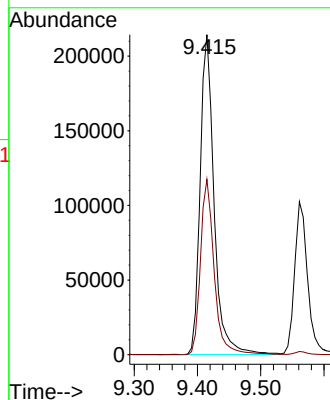
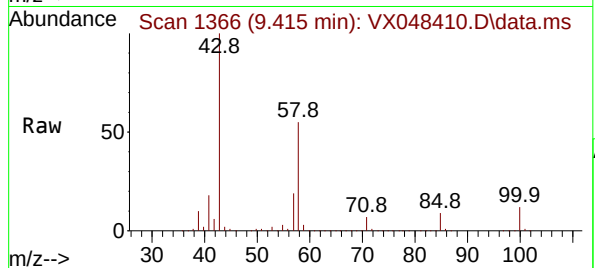
58 54.2 26.3 78.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#60

Dibromochloromethane

Concen: 49.868 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VX048410.D

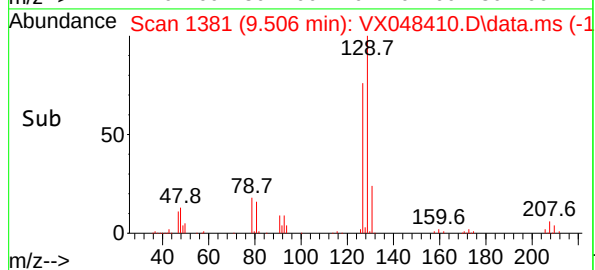
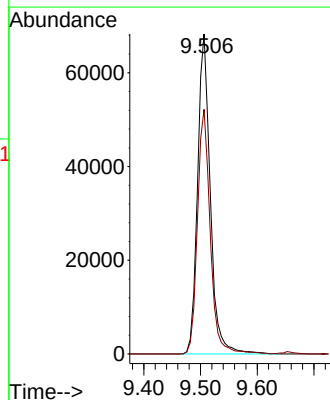
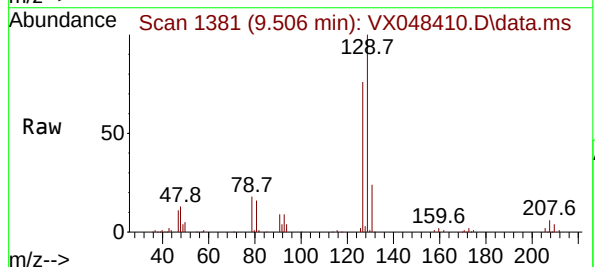
Acq: 29 Oct 2025 12:22

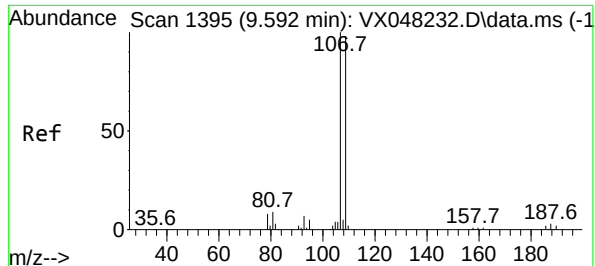
Tgt Ion:129 Resp: 106333

Ion Ratio Lower Upper

129 100

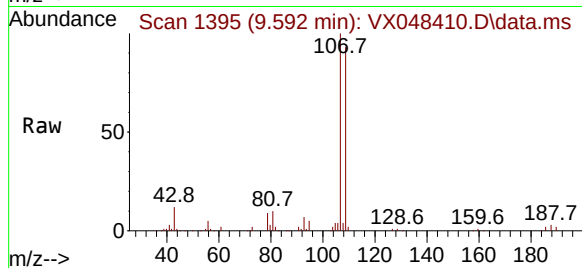
127 77.1 38.6 115.7





#61  
1,2-Dibromoethane  
Concen: 49.875 ug/l  
RT: 9.592 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

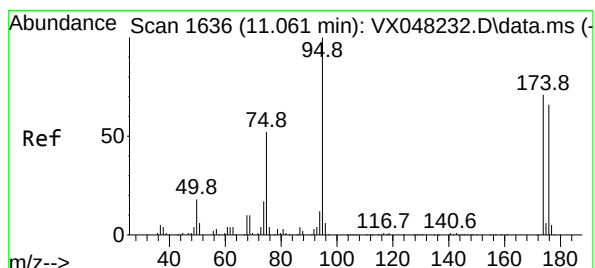
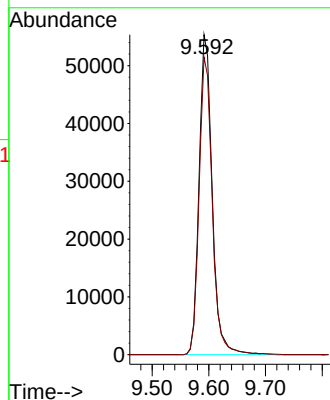
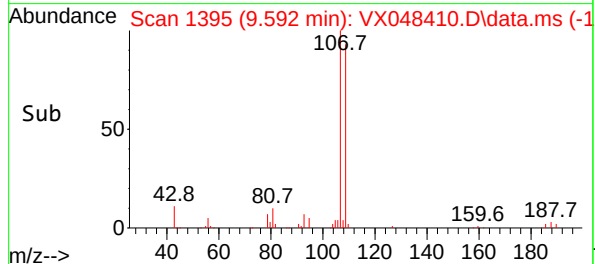
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050



Tgt Ion:107 Resp: 8895  
Ion Ratio Lower Upper  
107 100  
109 93.7 77.0 115.4

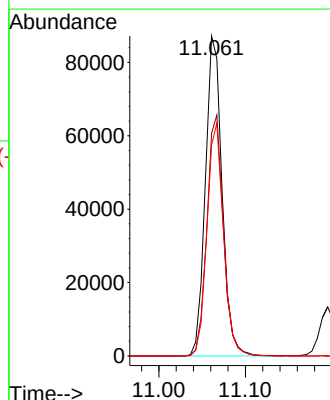
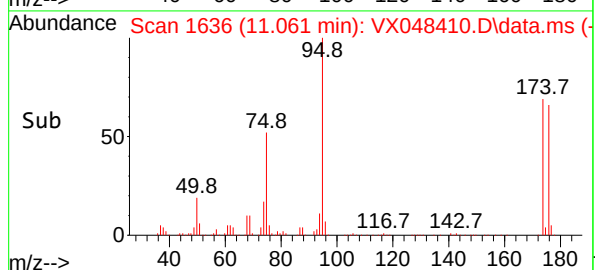
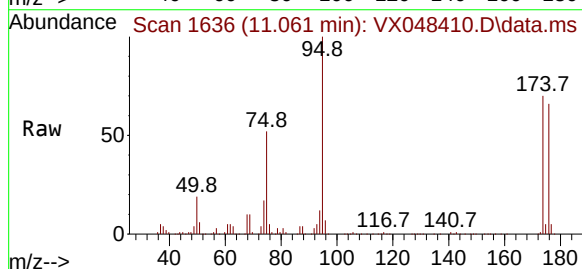
Manual Integrations  
APPROVED

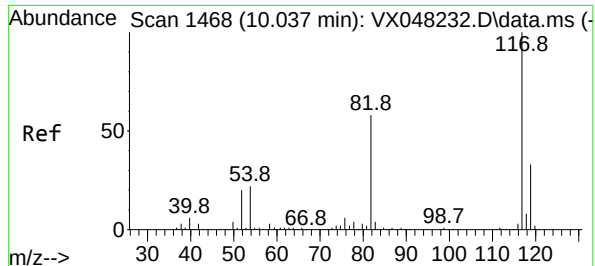
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#62  
4-Bromofluorobenzene  
Concen: 47.402 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 95 Resp: 116328  
Ion Ratio Lower Upper  
95 100  
174 74.9 0.0 147.8  
176 72.2 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:117 Resp: 228110

Ion Ratio Lower Upper

117 100

82 57.1 46.5 69.7

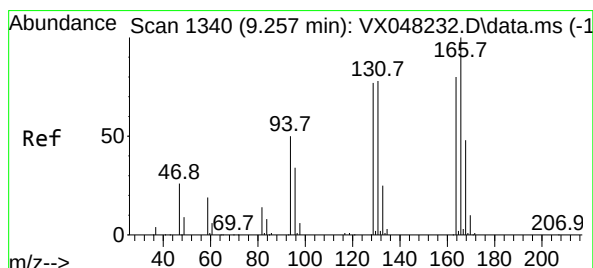
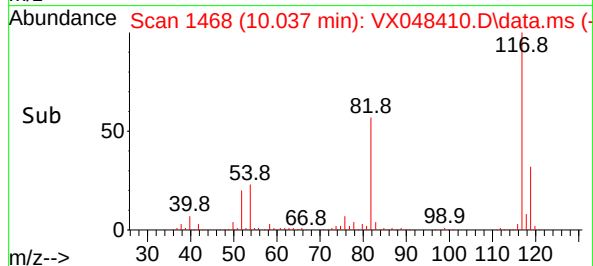
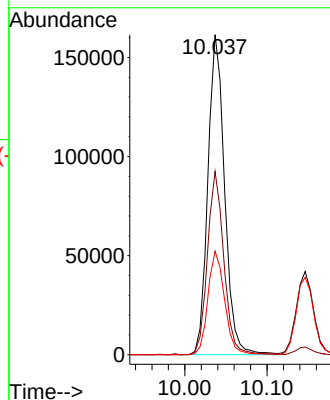
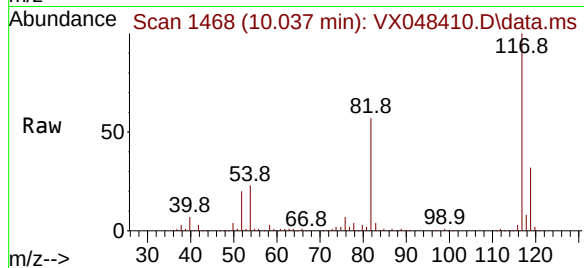
119 32.3 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#64

Tetrachloroethene

Concen: 49.898 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Tgt Ion:164 Resp: 91666

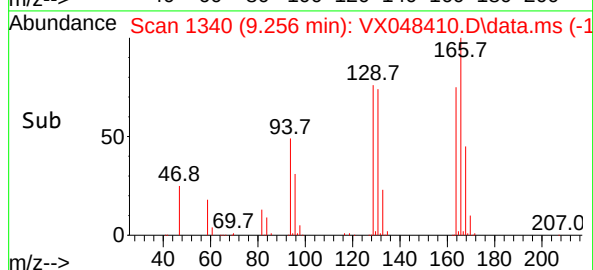
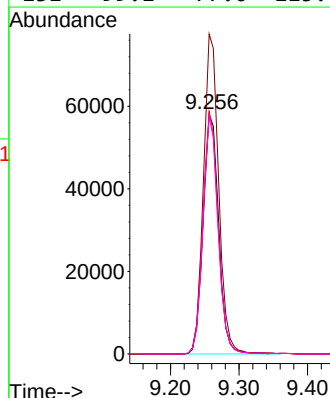
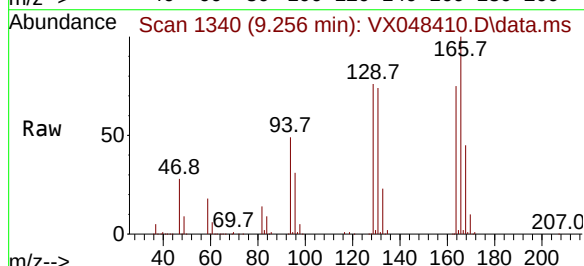
Ion Ratio Lower Upper

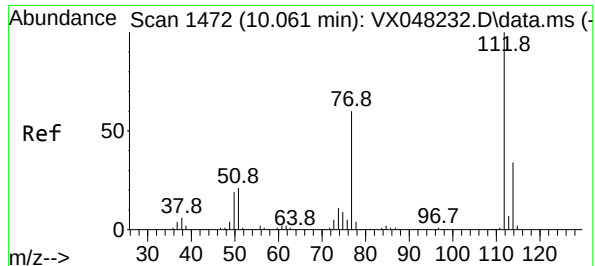
164 100

166 133.5 104.5 156.7

129 101.2 81.8 122.6

131 99.1 77.0 115.6





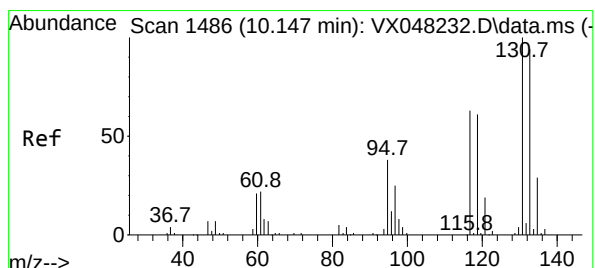
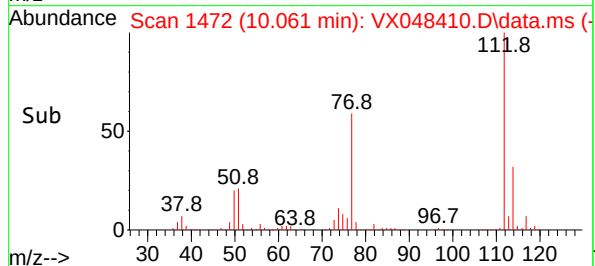
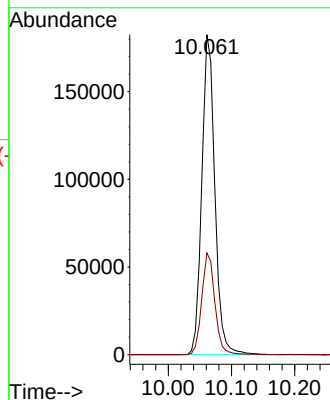
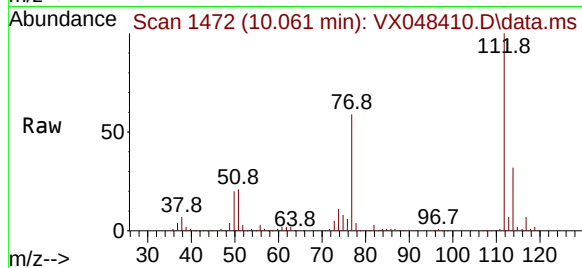
#65  
Chlorobenzene  
Concen: 49.930 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion:112 Resp: 262400  
Ion Ratio Lower Upper  
112 100  
114 31.8 26.2 39.2

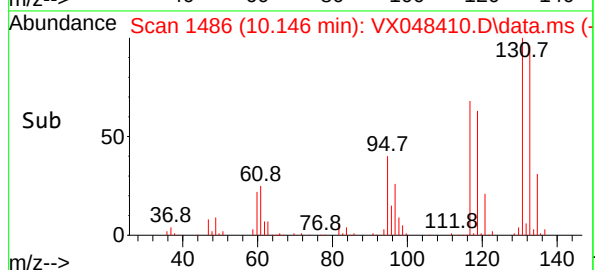
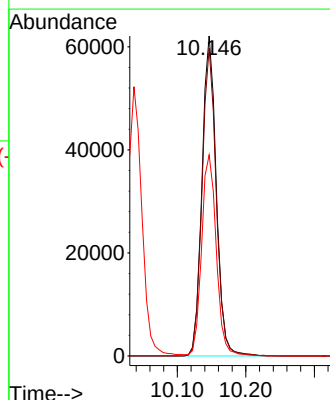
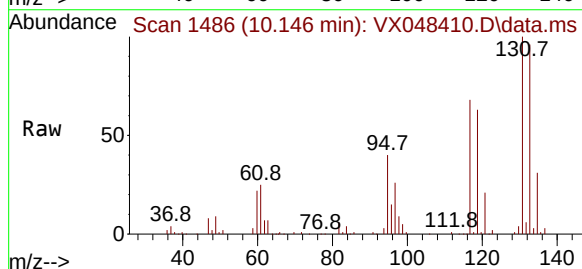
Manual Integrations  
APPROVED

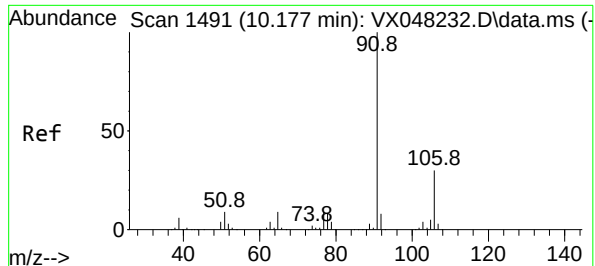
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.557 ug/l  
RT: 10.146 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion:131 Resp: 90376  
Ion Ratio Lower Upper  
131 100  
133 95.2 47.6 142.8  
119 64.5 32.5 97.5





#67

Ethyl Benzene

Concen: 51.416 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 45496

Ion Ratio Lower Upper

91 100

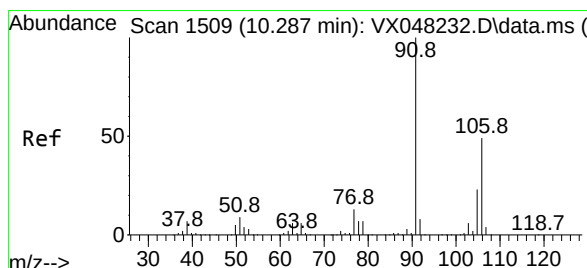
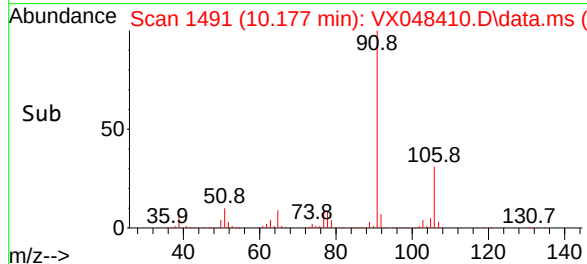
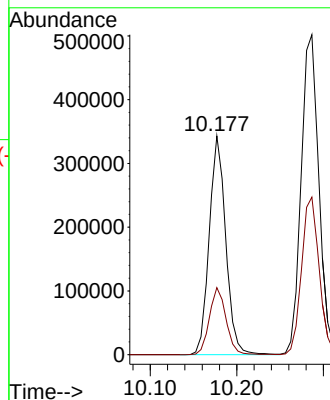
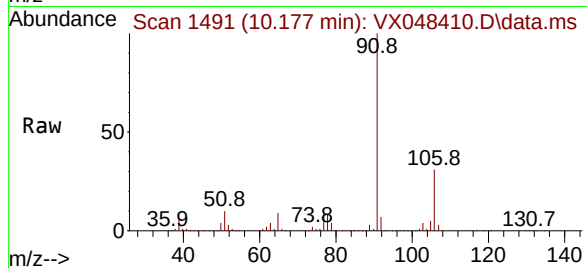
106 30.6 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#68

m/p-Xylenes

Concen: 105.303 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. 0.000 min

Lab File: VX048410.D

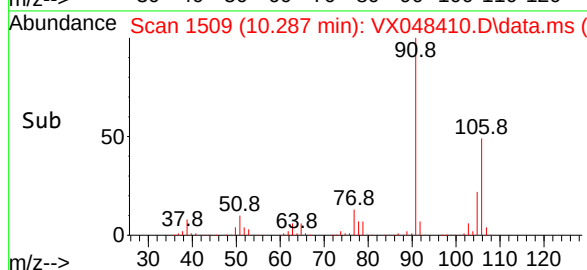
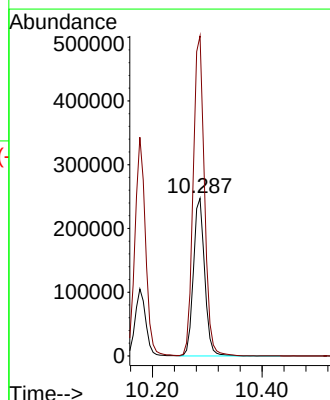
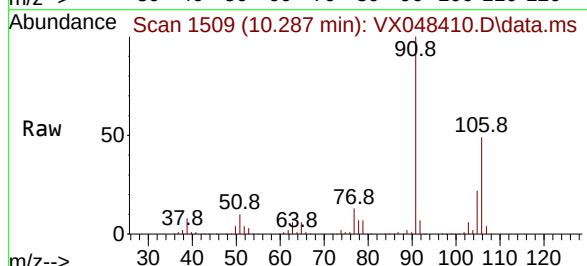
Acq: 29 Oct 2025 12:22

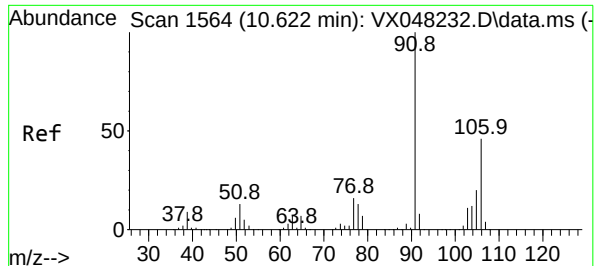
Tgt Ion:106 Resp: 352803

Ion Ratio Lower Upper

106 100

91 203.9 167.9 251.9





#69

o-Xylene

Concen: 51.964 ug/l

RT: 10.622 min Scan# 1564

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 16636

Ion Ratio Lower Upper

106 100

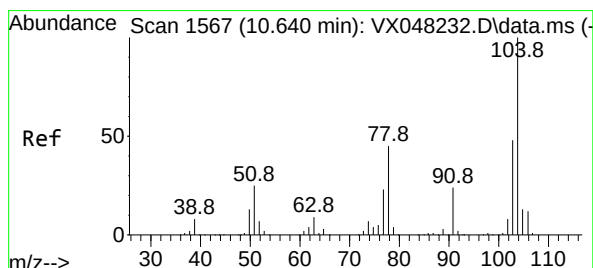
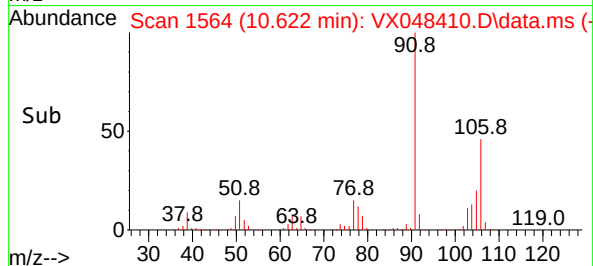
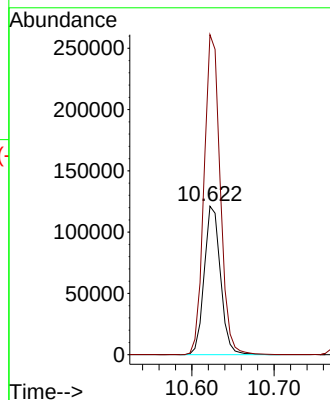
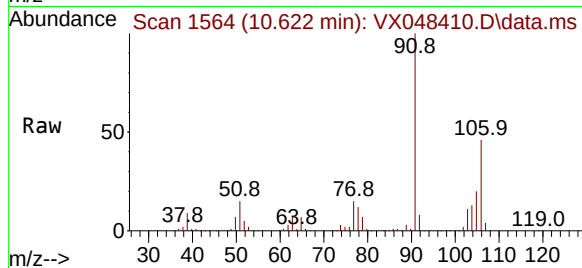
91 214.7 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#70

Styrene

Concen: 51.956 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

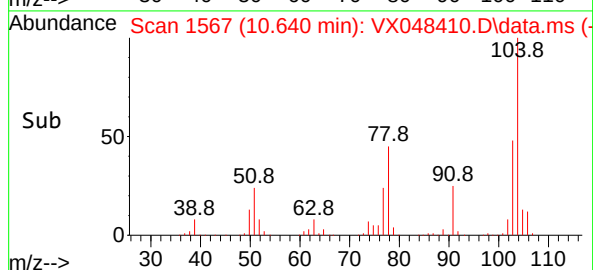
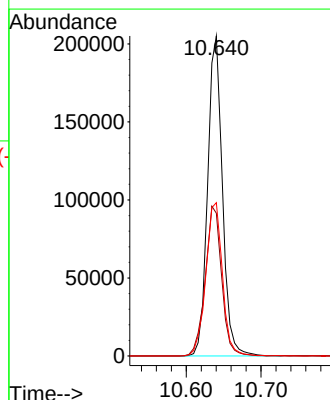
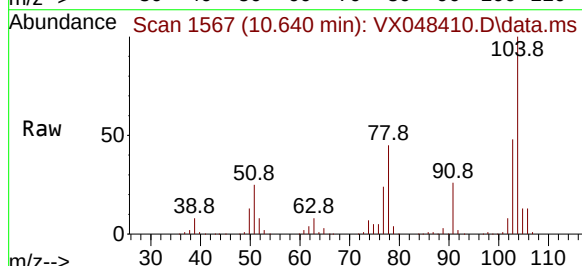
Tgt Ion:104 Resp: 281789

Ion Ratio Lower Upper

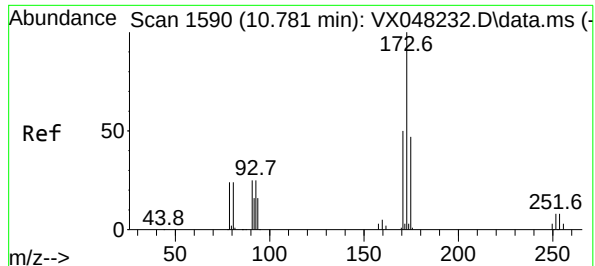
104 100

78 52.0 42.2 63.4

103 53.9 43.0 64.4

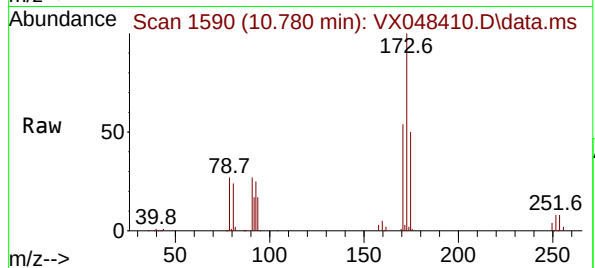






#71  
Bromoform  
Concen: 49.485 ug/l  
RT: 10.780 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

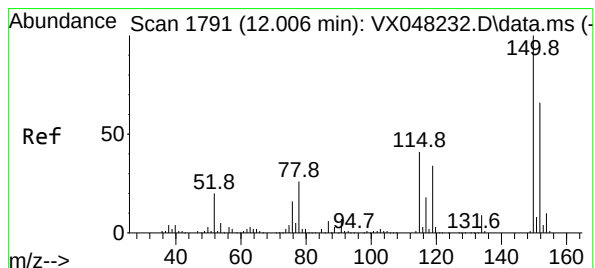
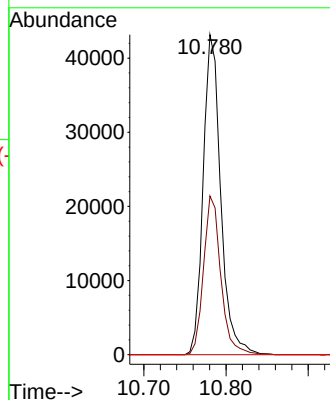
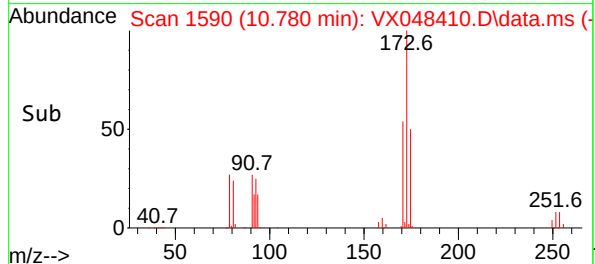
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050



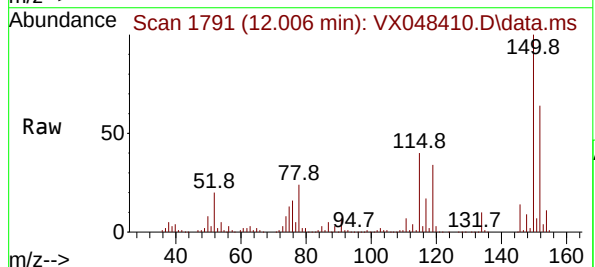
Tgt Ion:173 Resp: 63992  
Ion Ratio Lower Upper  
173 100  
175 48.9 24.0 72.0  
254 0.0 0.0 0.0

Manual Integrations  
APPROVED

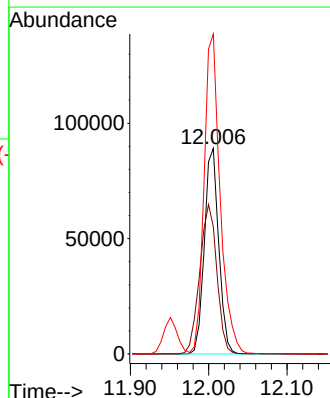
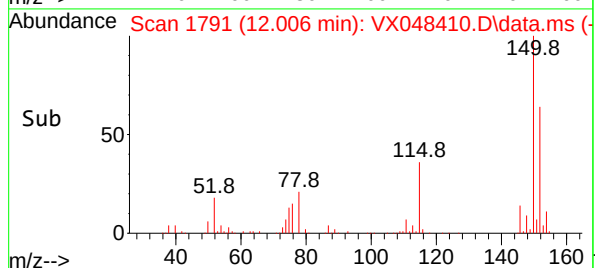
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

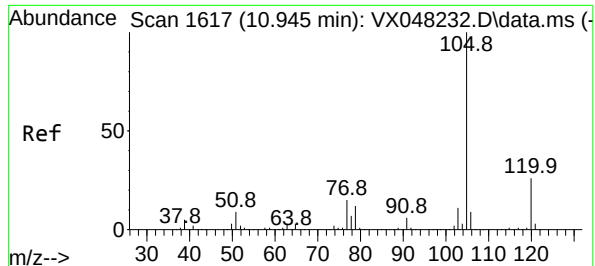


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22



Tgt Ion:152 Resp: 113172  
Ion Ratio Lower Upper  
152 100  
115 86.9 43.1 129.4  
150 173.2 0.0 353.0





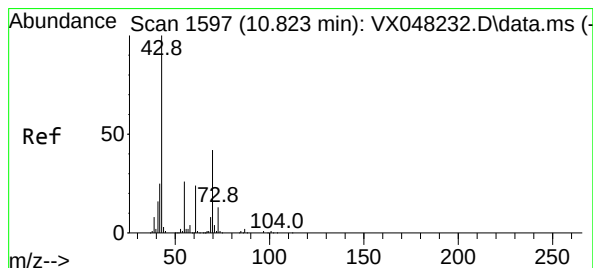
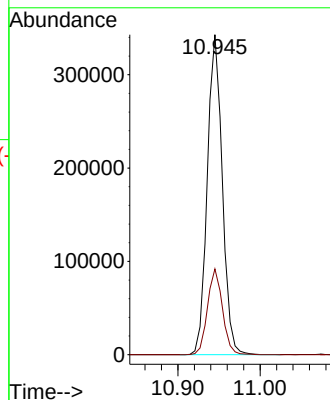
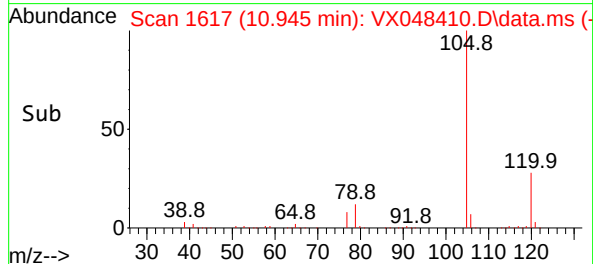
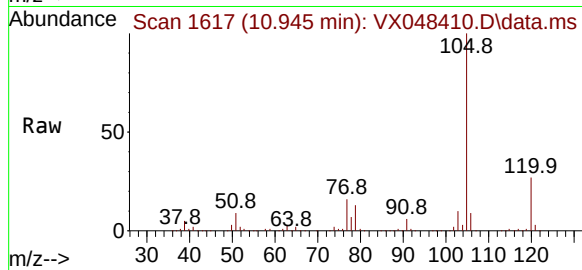
#73  
Isopropylbenzene  
Concen: 51.927 ug/l  
RT: 10.945 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion:105 Resp: 434670  
Ion Ratio Lower Upper  
105 100  
120 26.7 13.0 38.9

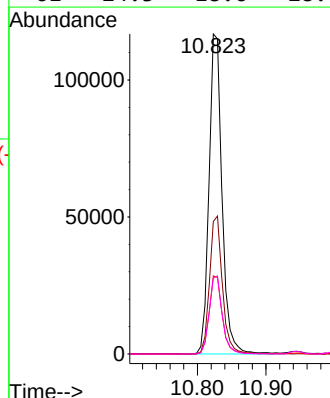
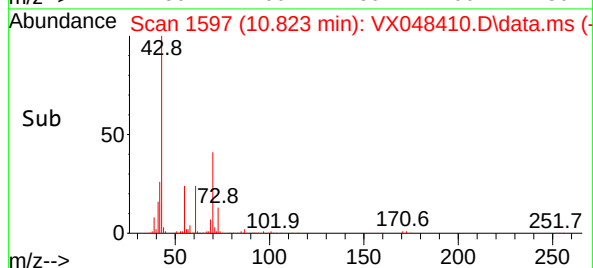
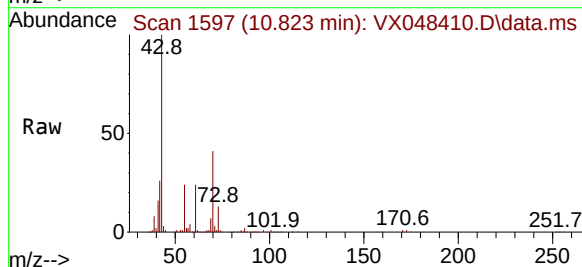
Manual Integrations  
APPROVED

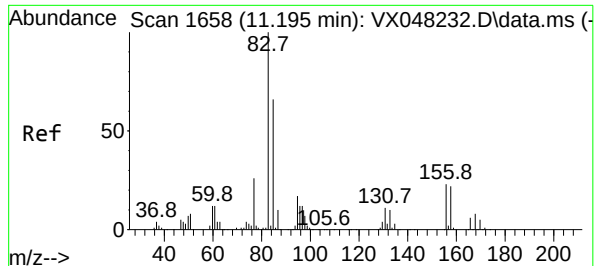
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#74  
N-ethyl acetate  
Concen: 51.815 ug/l  
RT: 10.823 min Scan# 1597  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 43 Resp: 154727  
Ion Ratio Lower Upper  
43 100  
70 42.4 32.2 48.2  
55 24.6 19.1 28.7  
61 24.3 18.6 28.0





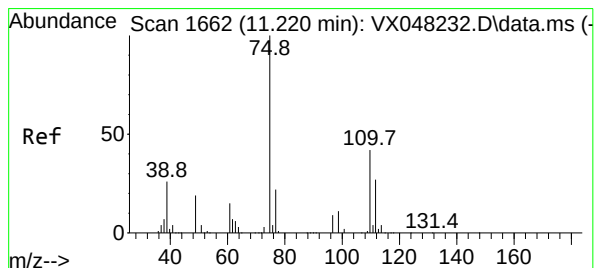
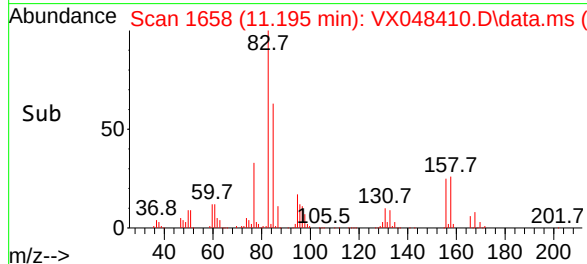
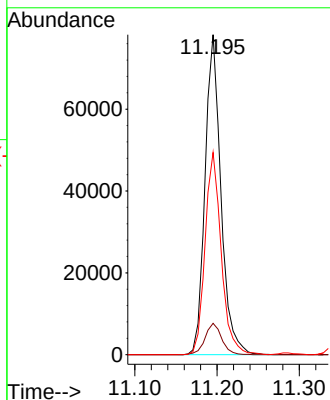
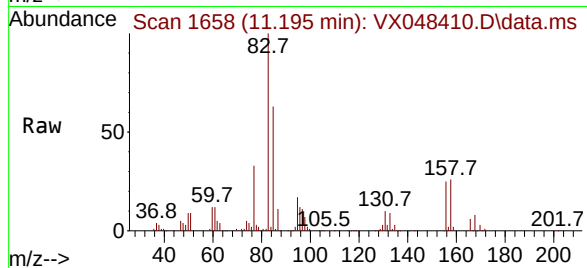
#75  
1,1,2,2-Tetrachloroethane  
Concen: 49.570 ug/l  
RT: 11.195 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 83 Resp: 10510  
Ion Ratio Lower Upper  
83 100  
131 10.2 4.8 14.4  
85 64.3 31.9 95.7

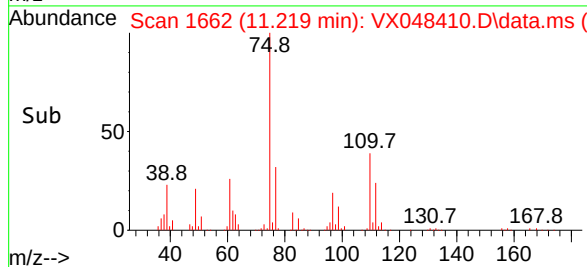
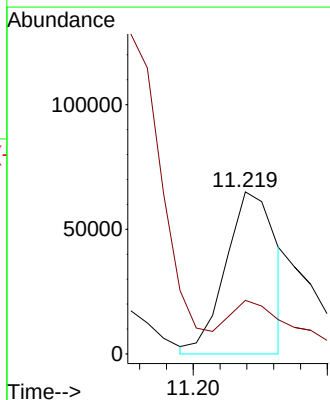
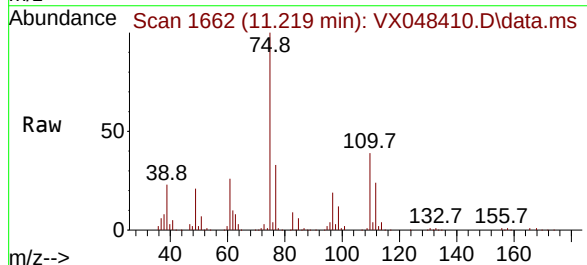
Manual Integrations  
APPROVED

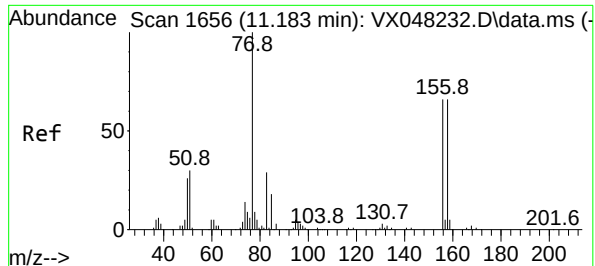
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#76  
1,2,3-Trichloropropane  
Concen: 47.668 ug/l m  
RT: 11.219 min Scan# 1662  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 75 Resp: 84138  
Ion Ratio Lower Upper  
75 100  
77 42.7 22.4 67.2





#77

Bromobenzene

Concen: 49.908 ug/l

RT: 11.183 min Scan# 1656

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

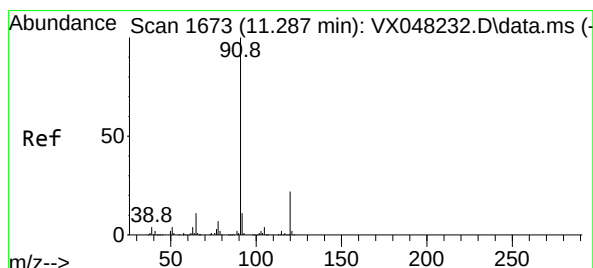
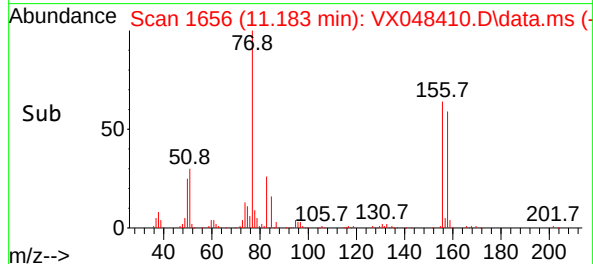
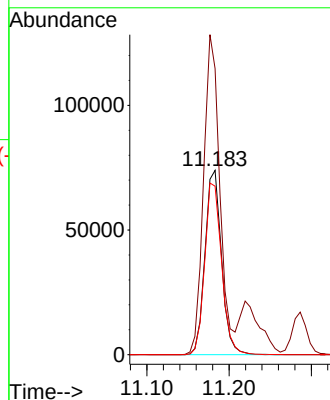
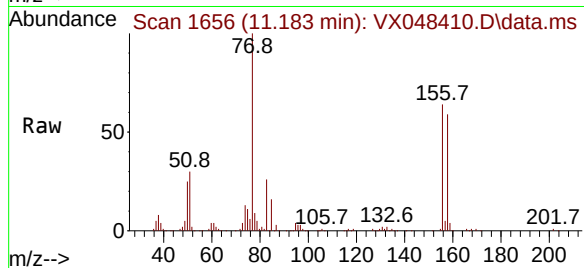
VSTDICCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 10319 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 170.7 | 87.0  | 261.0 |
| 158       | 95.6  | 47.8  | 143.4 |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#78

n-propylbenzene

Concen: 52.571 ug/l

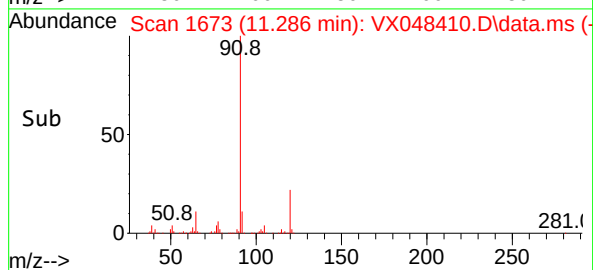
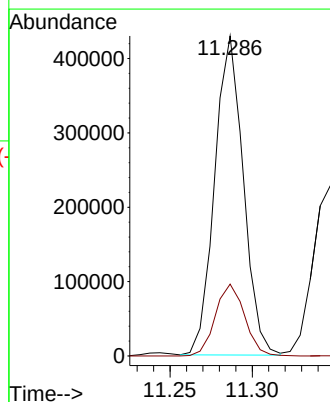
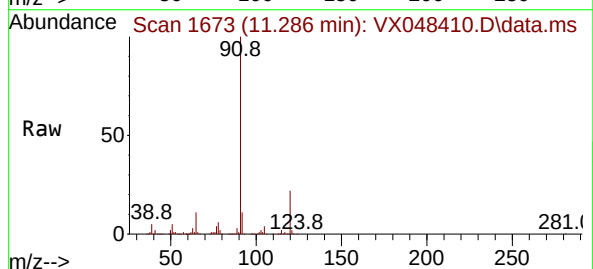
RT: 11.286 min Scan# 1673

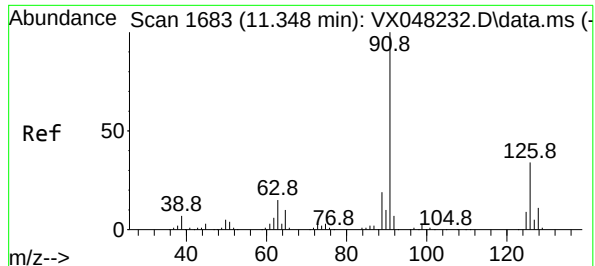
Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 520109 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.0  | 11.1  | 33.1   |





#79

2-Chlorotoluene

Concen: 50.527 ug/l

RT: 11.347 min Scan# 1683

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 300130

Ion Ratio Lower Upper

91 100

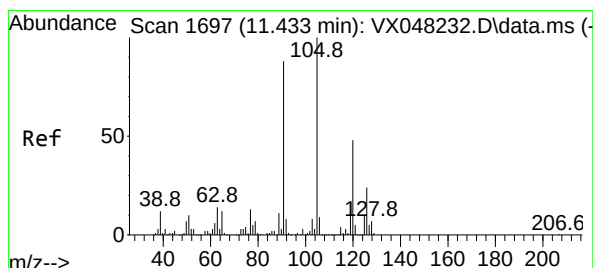
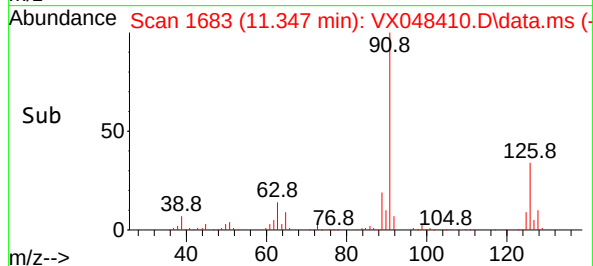
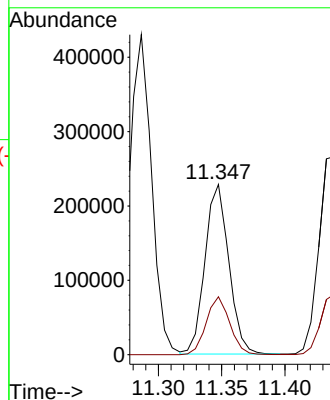
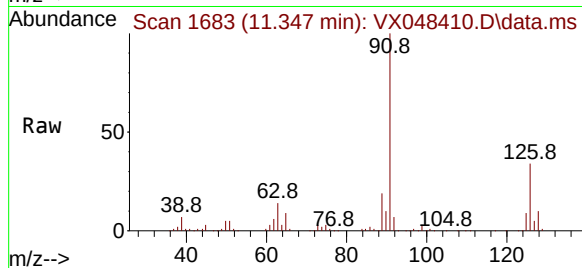
126 33.7 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#80

1,3,5-Trimethylbenzene

Concen: 52.677 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VX048410.D

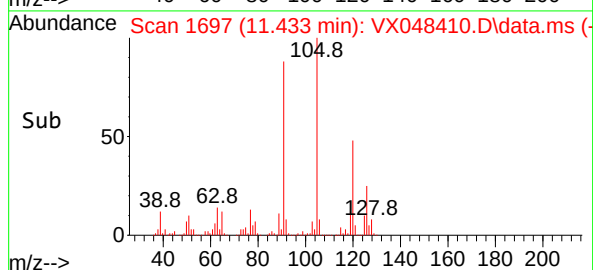
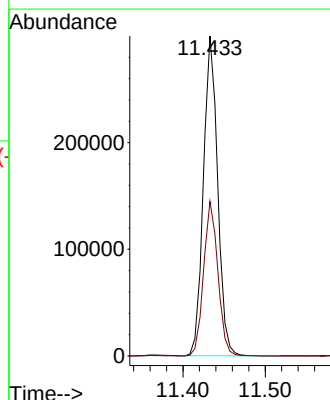
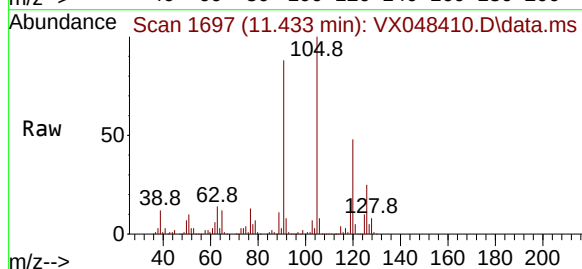
Acq: 29 Oct 2025 12:22

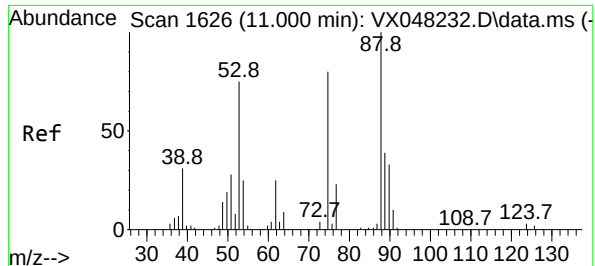
Tgt Ion:105 Resp: 361457

Ion Ratio Lower Upper

105 100

120 48.5 24.0 72.0





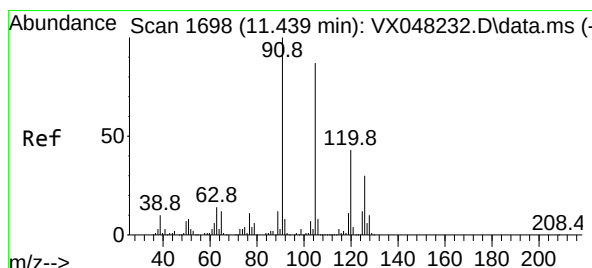
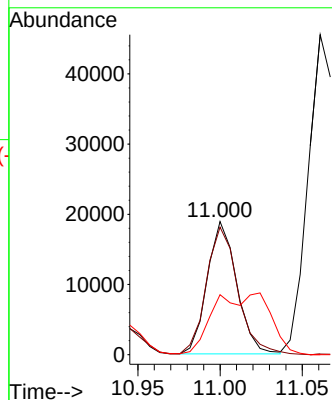
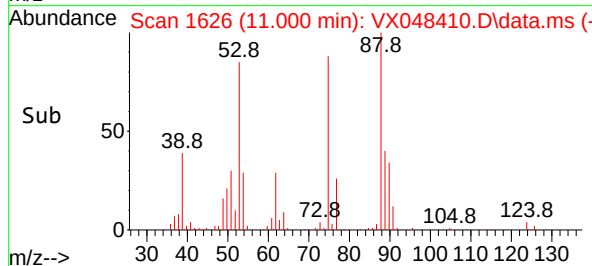
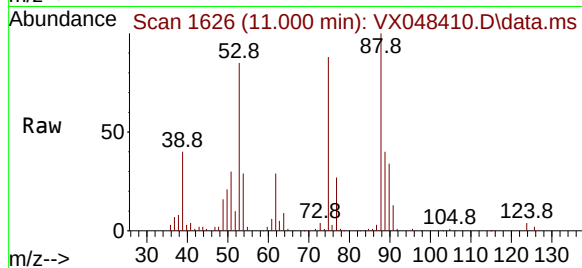
#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.010 ug/l  
RT: 11.000 min Scan# 1626  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 75 Resp: 23520  
Ion Ratio Lower Upper  
75 100  
53 103.8 79.5 119.3  
89 0.0 36.8 55.2

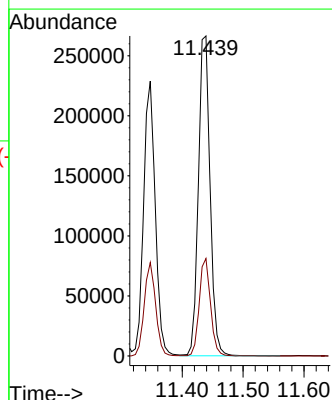
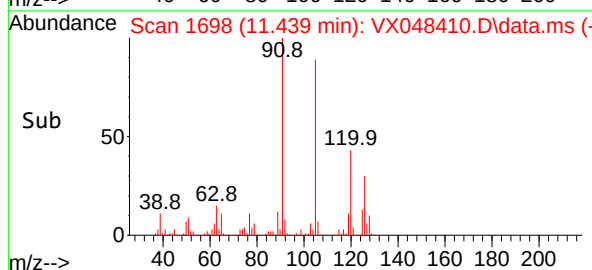
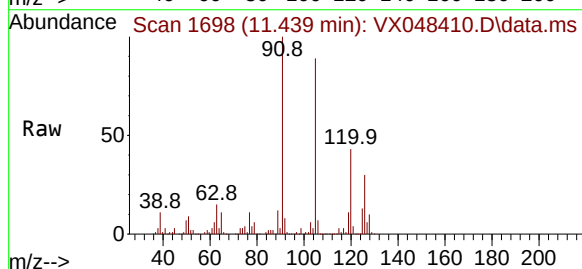
Manual Integrations  
APPROVED

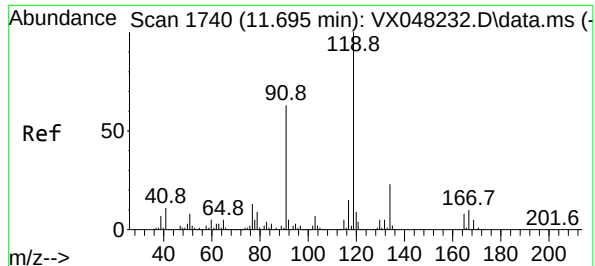
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#82  
4-Chlorotoluene  
Concen: 50.648 ug/l  
RT: 11.439 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 91 Resp: 353680  
Ion Ratio Lower Upper  
91 100  
126 29.3 14.1 42.4





#83

tert-Butylbenzene

Concen: 52.099 ug/l

RT: 11.695 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 36394

Ion Ratio Lower Upper

119 100

91 59.4 30.3 91.0

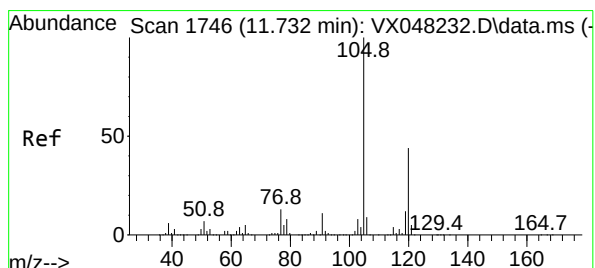
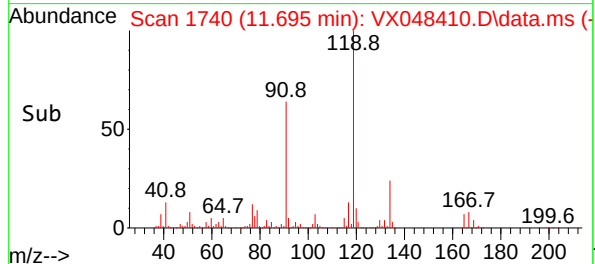
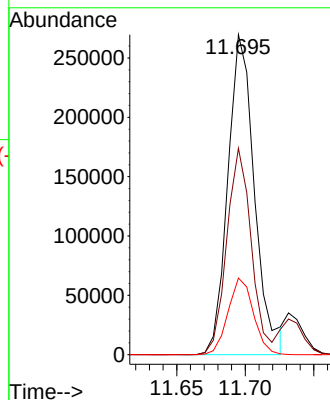
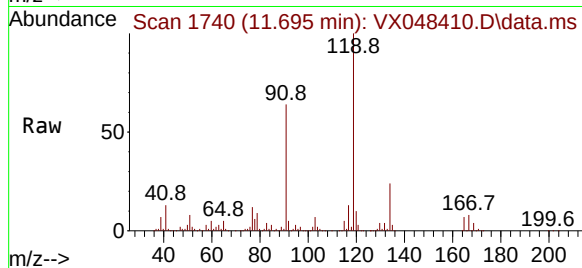
134 22.9 11.4 34.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#84

1,2,4-Trimethylbenzene

Concen: 52.328 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. 0.000 min

Lab File: VX048410.D

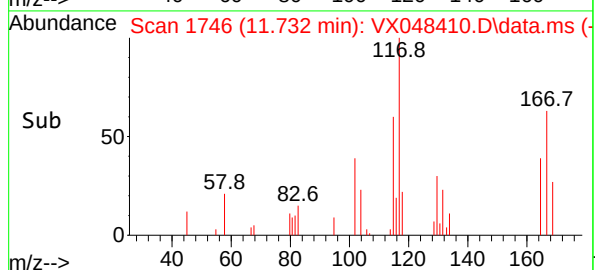
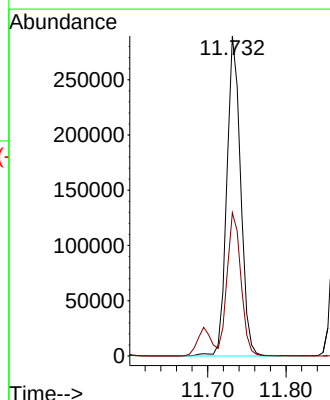
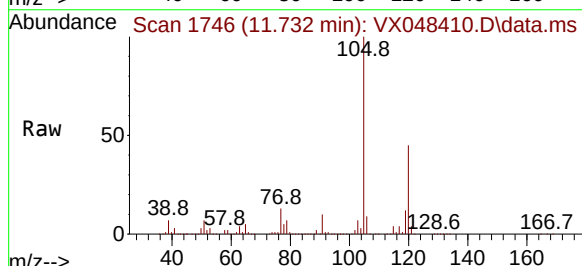
Acq: 29 Oct 2025 12:22

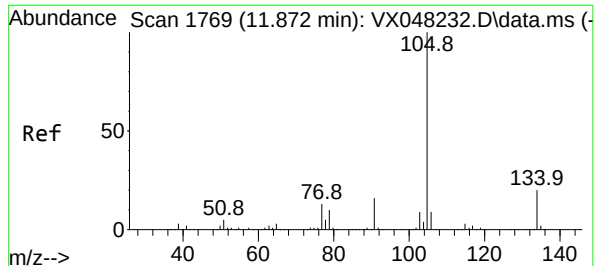
Tgt Ion:105 Resp: 355520

Ion Ratio Lower Upper

105 100

120 44.7 22.1 66.5





#85

sec-Butylbenzene

Concen: 52.681 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 45854

Ion Ratio Lower Upper

105 100

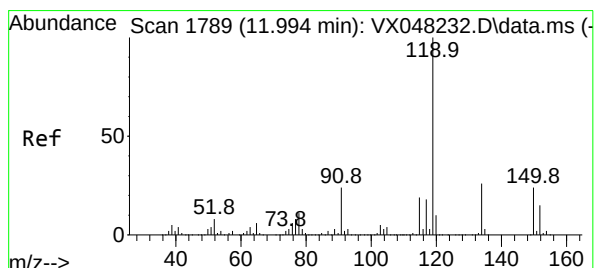
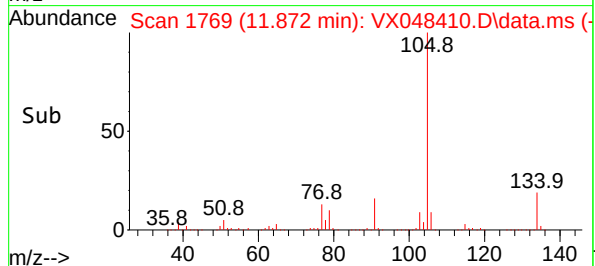
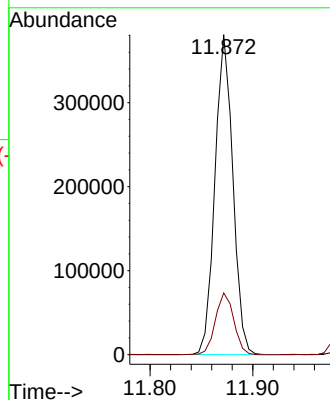
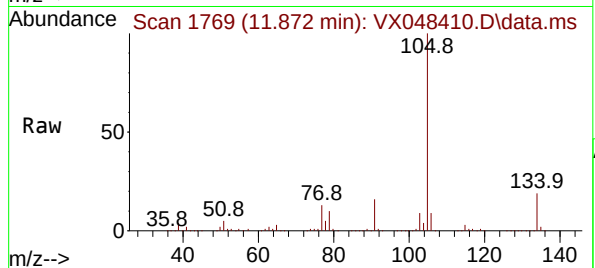
134 19.9 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#86

p-Isopropyltoluene

Concen: 52.824 ug/l

RT: 11.988 min Scan# 1788

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

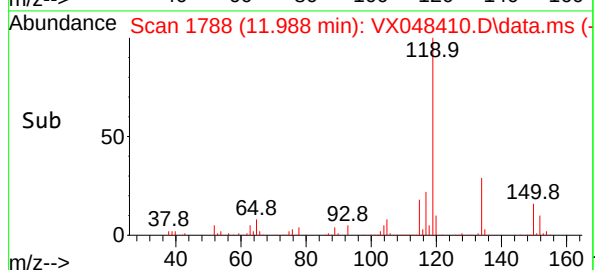
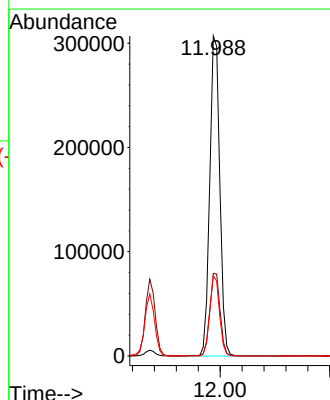
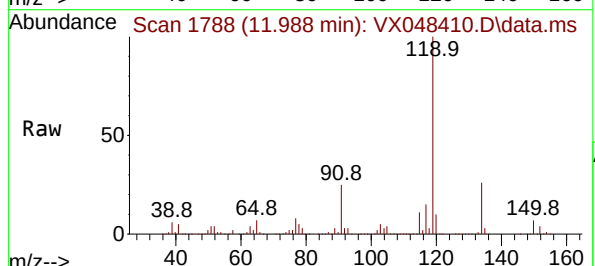
Tgt Ion:119 Resp: 388711

Ion Ratio Lower Upper

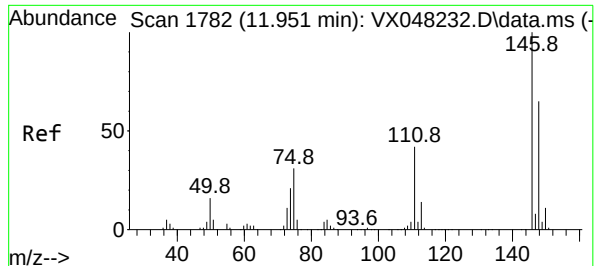
119 100

134 26.2 13.0 39.0

91 24.7 12.1 36.3







#87

1,3-Dichlorobenzene

Concen: 48.436 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 191269

Ion Ratio Lower Upper

146 100

111 41.8 20.4 61.2

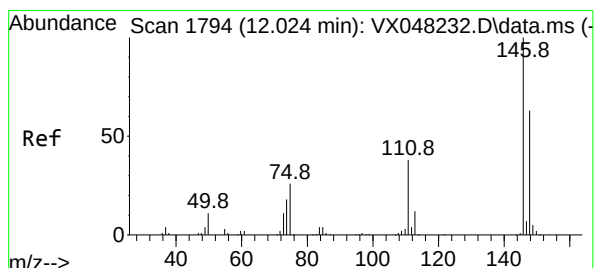
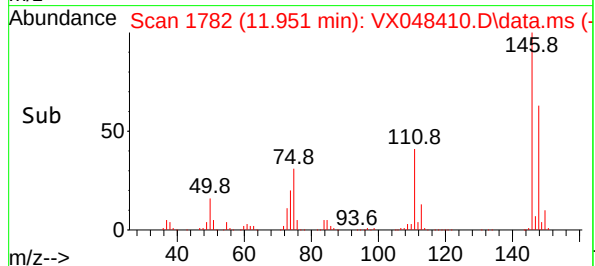
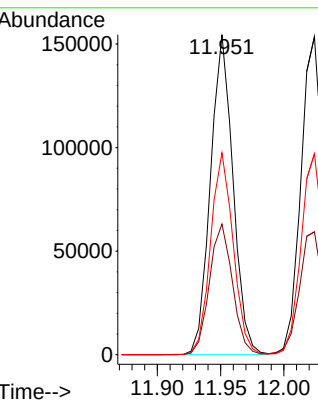
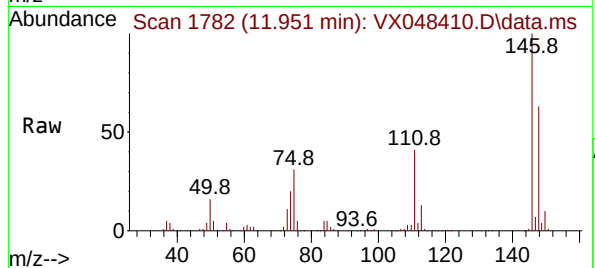
148 63.3 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#88

1,4-Dichlorobenzene

Concen: 48.113 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

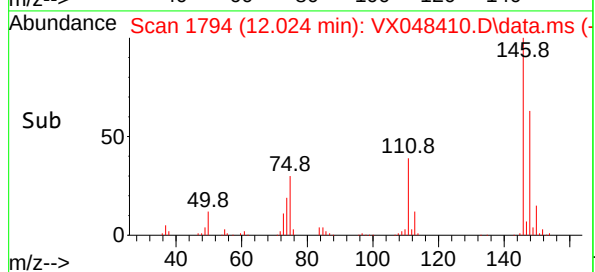
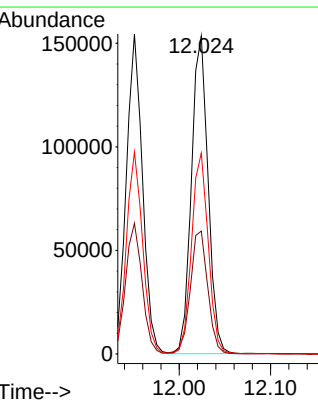
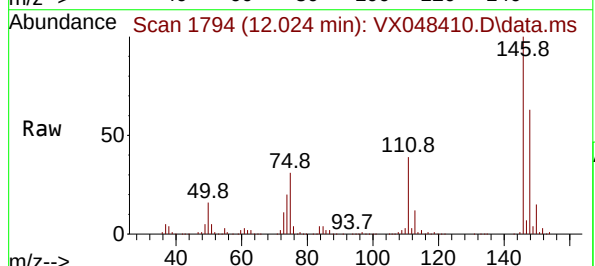
Tgt Ion:146 Resp: 193511

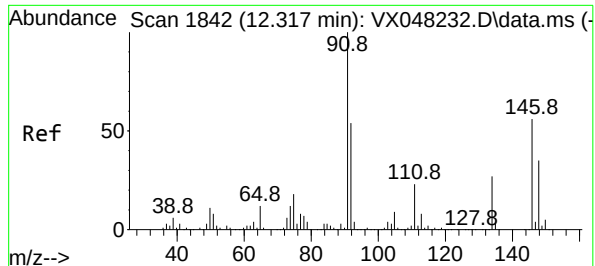
Ion Ratio Lower Upper

146 100

111 40.6 20.1 60.2

148 63.6 31.8 95.3





#89

n-Butylbenzene

Concen: 52.145 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 36026

Ion Ratio Lower Upper

91 100

92 54.2 26.9 80.6

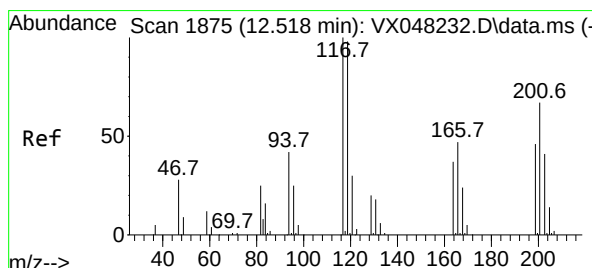
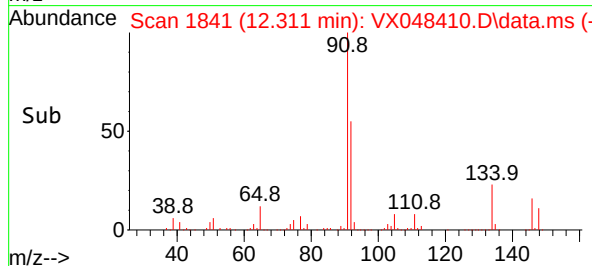
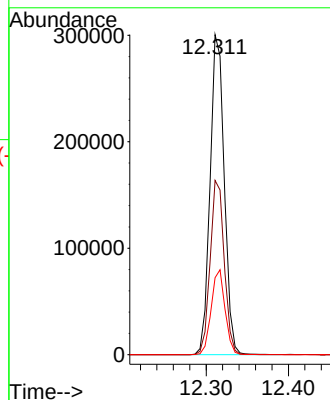
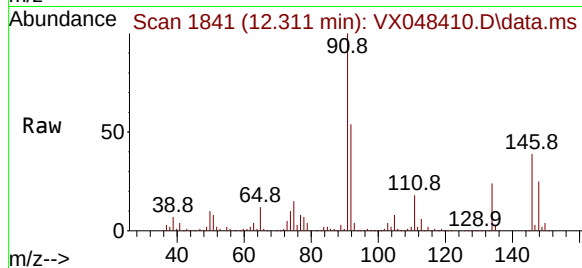
134 25.9 12.7 38.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#90

Hexachloroethane

Concen: 51.954 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VX048410.D

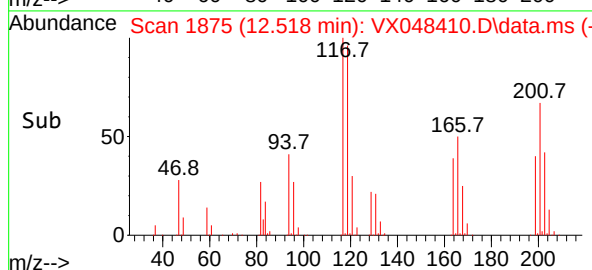
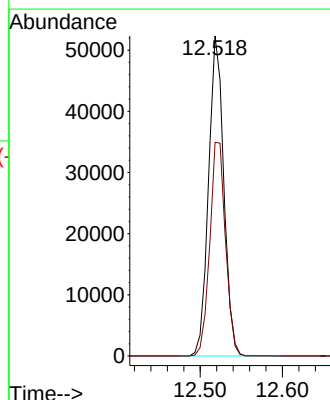
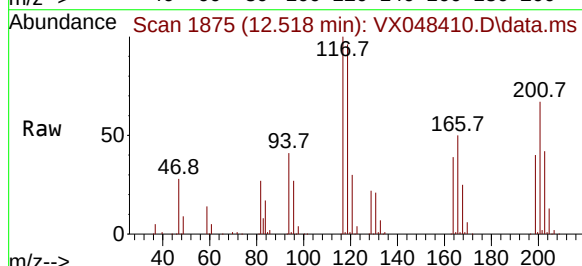
Acq: 29 Oct 2025 12:22

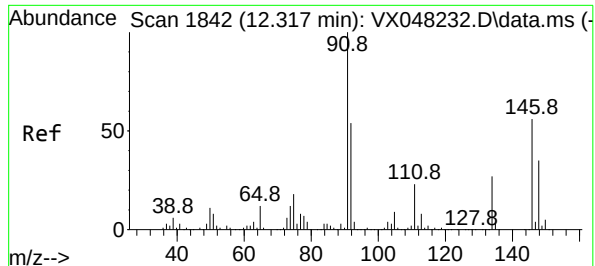
Tgt Ion:117 Resp: 67177

Ion Ratio Lower Upper

117 100

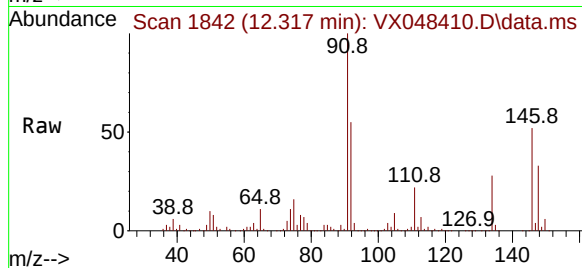
201 69.3 34.1 102.2





#91  
1,2-Dichlorobenzene  
Concen: 49.151 ug/l  
RT: 12.317 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

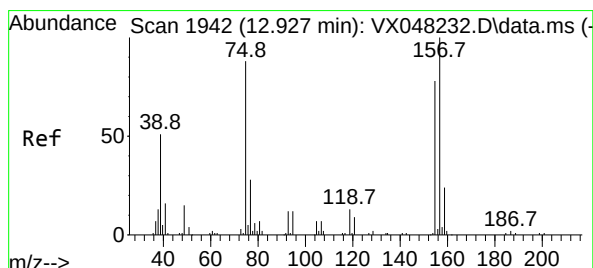
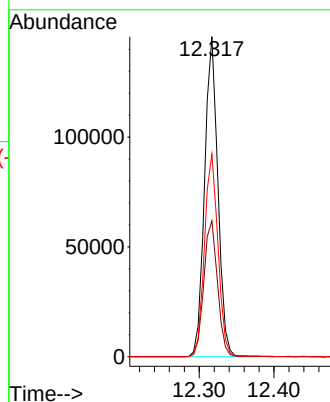
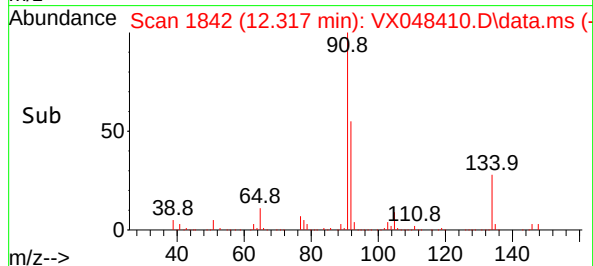
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050



Tgt Ion:146 Resp: 17986  
Ion Ratio Lower Upper  
146 100  
111 43.7 21.9 65.5  
148 64.2 31.9 95.5

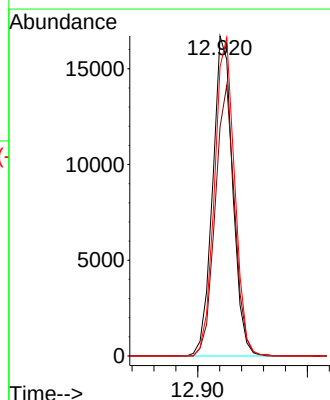
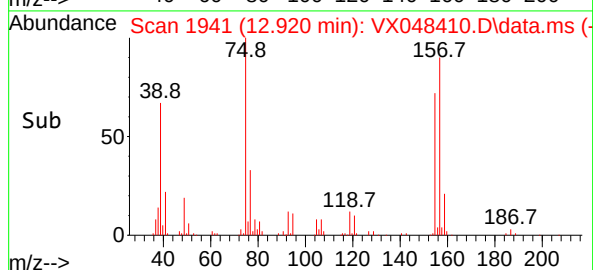
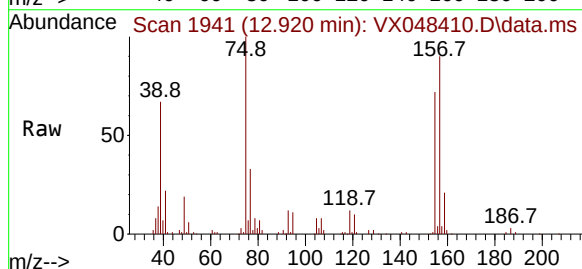
Manual Integrations  
APPROVED

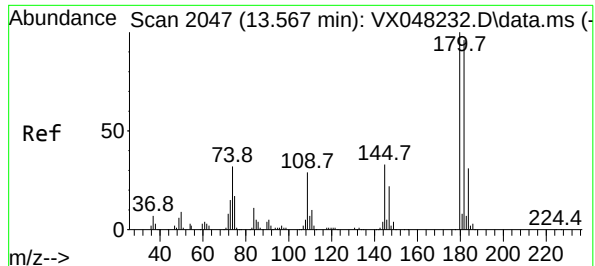
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 50.936 ug/l  
RT: 12.920 min Scan# 1941  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion: 75 Resp: 21148  
Ion Ratio Lower Upper  
75 100  
155 82.7 42.8 128.4  
157 100.1 54.2 162.6





#93

1,2,4-Trichlorobenzene

Concen: 49.820 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

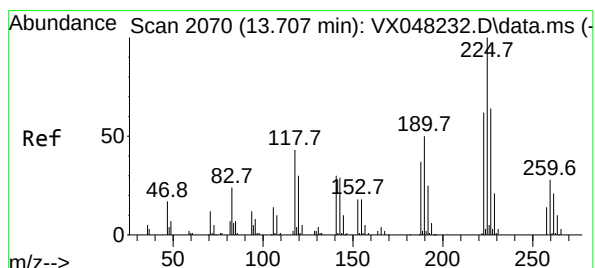
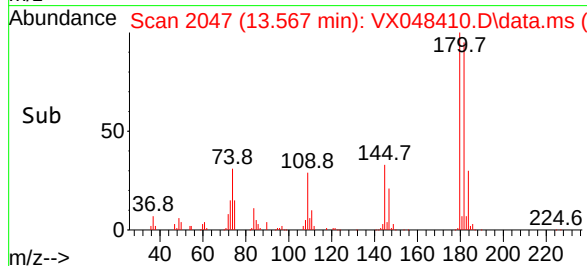
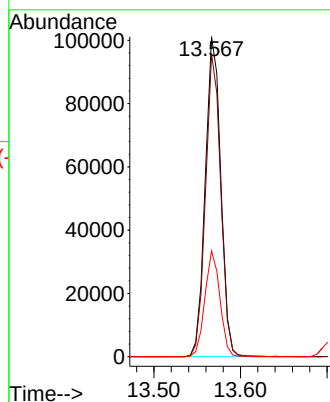
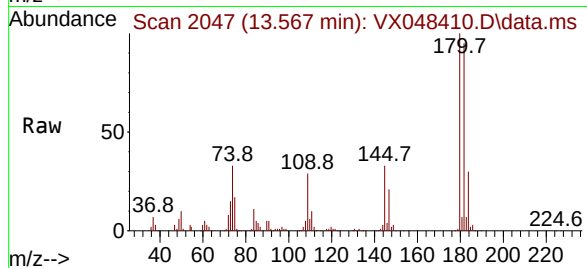
VSTDICCC050

|             |                 |
|-------------|-----------------|
| Tgt Ion:180 | Resp: 125804    |
| Ion Ratio   | Lower Upper     |
| 180         | 100             |
| 182         | 92.8 47.3 142.0 |
| 145         | 32.0 16.3 48.9  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#94

Hexachlorobutadiene

Concen: 51.371 ug/l

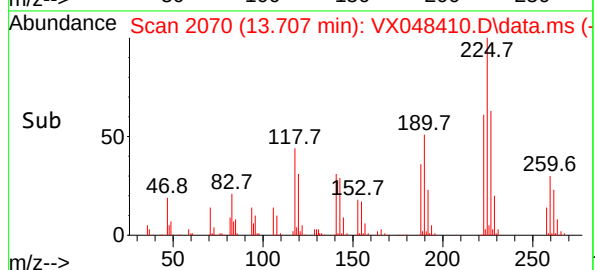
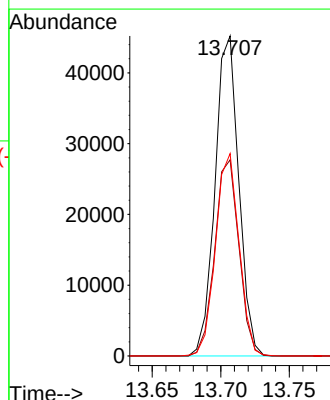
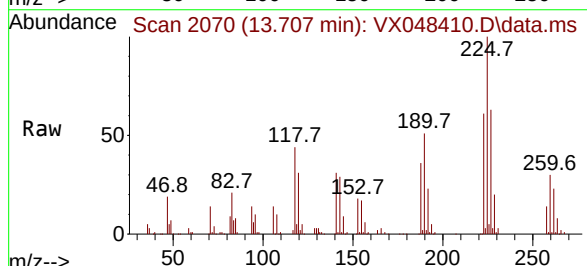
RT: 13.707 min Scan# 2070

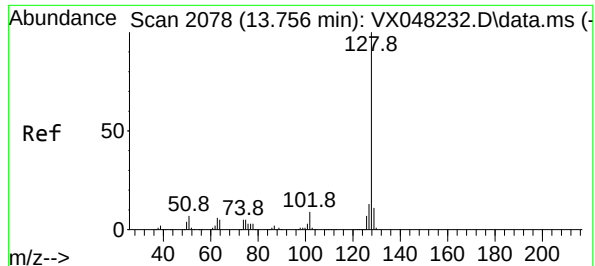
Delta R.T. 0.000 min

Lab File: VX048410.D

Acq: 29 Oct 2025 12:22

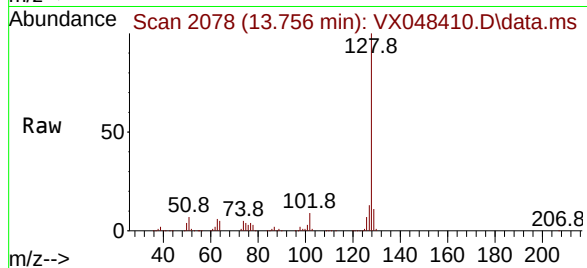
|             |                |
|-------------|----------------|
| Tgt Ion:225 | Resp: 54413    |
| Ion Ratio   | Lower Upper    |
| 225         | 100            |
| 223         | 62.4 32.6 97.7 |
| 227         | 62.8 32.5 97.4 |





#95  
Naphthalene  
Concen: 52.079 ug/l  
RT: 13.756 min Scan# 2078  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

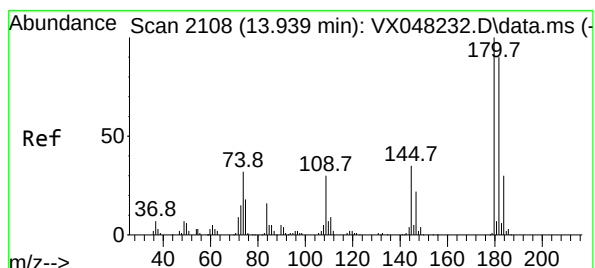
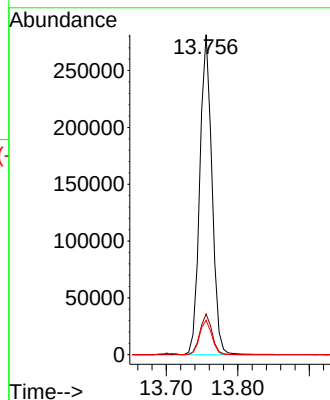
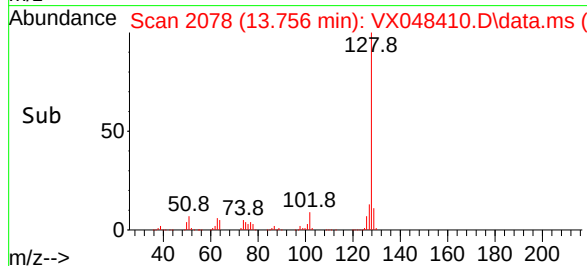
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050



Tgt Ion:128 Resp: 33213  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.2 15.4  
129 10.8 8.6 12.8

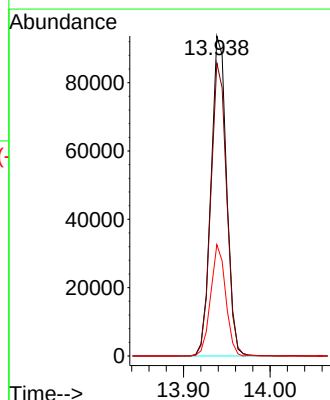
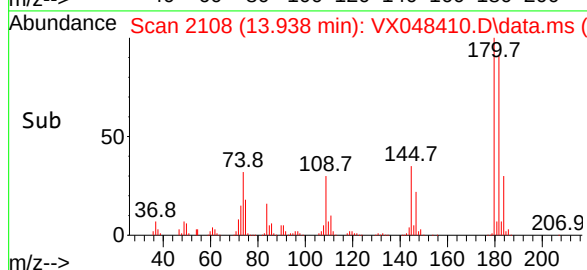
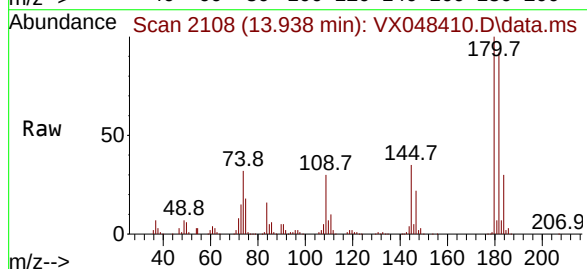
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#96  
1,2,3-Trichlorobenzene  
Concen: 50.959 ug/l  
RT: 13.938 min Scan# 2108  
Delta R.T. 0.000 min  
Lab File: VX048410.D  
Acq: 29 Oct 2025 12:22

Tgt Ion:180 Resp: 116883  
Ion Ratio Lower Upper  
180 100  
182 92.7 46.6 139.7  
145 33.5 16.9 50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048411.D  
 Acq On : 29 Oct 2025 12:43  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Oct 30 02:21:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 5.537          | 168  | 136244               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.751          | 114  | 237043               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 210324               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.006         | 152  | 104326               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.940          | 65   | 198488               | 101.300 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 202.600%# |         |        |          |
| 35) Dibromofluoromethane     | 5.373          | 113  | 134096               | 99.222  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 198.440%# |         |        |          |
| 50) Toluene-d8               | 8.634          | 98   | 572267               | 95.926  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 191.860%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.061         | 95   | 212629               | 95.278  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 190.560%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 137281               | 98.781  | ug/l   | 94       |
| 3) Chloromethane             | 1.300          | 50   | 74538                | 95.062  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.380          | 62   | 184353               | 101.782 | ug/l   | 100      |
| 5) Bromomethane              | 1.611          | 94   | 64623                | 98.767  | ug/l   | 96       |
| 6) Chloroethane              | 1.691          | 64   | 108537               | 100.762 | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.898          | 101  | 274205               | 98.791  | ug/l   | 100      |
| 8) Diethyl Ether             | 2.136          | 74   | 108025               | 107.685 | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 153910               | 98.581  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.459          | 142  | 666054               | 106.094 | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.940          | 59   | 82628                | 550.424 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 160970               | 101.505 | ug/l   | 94       |
| 13) Acrolein                 | 2.233          | 56   | 174355               | 556.434 | ug/l   | 98       |
| 14) Allyl chloride           | 2.666          | 41   | 274038               | 102.042 | ug/l   | 98       |
| 15) Acrylonitrile            | 3.056          | 53   | 370003               | 541.798 | ug/l   | 100      |
| 16) Acetone                  | 2.373          | 43   | 239424               | 539.138 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.514          | 76   | 427175               | 93.947  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.697          | 43   | 166666               | 112.212 | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 538203               | 105.981 | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 177343               | 103.597 | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 172196               | 102.229 | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.751          | 45   | 585908               | 106.589 | ug/l   | 89       |
| 23) Vinyl Acetate            | 3.715          | 43   | 1870693              | 499.934 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 324304               | 103.957 | ug/l   | 99       |
| 25) 2-Butanone               | 4.544          | 43   | 391216               | 551.449 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 273061               | 101.660 | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 210051               | 104.487 | ug/l   | 98       |
| 28) Bromochloromethane       | 4.885          | 49   | 141528               | 100.105 | ug/l   | 94       |
| 29) Tetrahydrofuran          | 4.983          | 42   | 276529               | 547.338 | ug/l   | 97       |
| 30) Chloroform               | 5.080          | 83   | 330306               | 102.928 | ug/l   | 97       |
| 31) Cyclohexane              | 5.464          | 56   | 262665               | 97.000  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 288051               | 101.676 | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 219541               | 96.734  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.696          | 43   | 201911               | 104.423 | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.665          | 117  | 245308               | 93.614  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.366          | 83   | 277545               | 95.097  | ug/l   | 96       |
| 40) Benzene                  | 6.025          | 78   | 692820               | 99.925  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048411.D  
 Acq On : 29 Oct 2025 12:43  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

## Instrument :

MSVOA\_X

## ClientSampleId :

VSTDICC100

## Manual Integrations

## APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:21:30 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M

Quant Title : SW846 8260

QLast Update : Thu Oct 30 02:16:32 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.903  | 41   | 103566   | 106.336  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 243894   | 99.869   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.324  | 43   | 334952   | 104.923  | ug/l   | 96       |
| 44) Trichloroethene           | 7.110  | 130  | 179623   | 98.882   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.415  | 63   | 174772   | 100.932  | ug/l   | 98       |
| 46) Dibromomethane            | 7.568  | 93   | 123914   | 102.224  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.805  | 83   | 256800   | 99.708   | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.677  | 41   | 170938   | 109.801  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.647  | 88   | 39674    | 2242.121 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 925963   | 521.185  | ug/l   | 96       |
| 52) Toluene                   | 8.702  | 92   | 433330   | 100.021  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75   | 237643   | 101.798  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.354  | 75   | 247342   | 98.341   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 157981   | 100.765  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.104  | 69   | 252667   | 110.060  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 272104   | 100.095  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.226  | 63   | 666222   | 478.417  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.415  | 43   | 625915   | 541.437  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.506  | 129  | 195285   | 100.712  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 165360   | 101.951  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.256  | 164  | 158194   | 93.397   | ug/l   | 97       |
| 65) Chlorobenzene             | 10.061 | 112  | 485587   | 100.215  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131  | 169971   | 103.125  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 820586   | 100.581  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.287 | 106  | 626265   | 202.737  | ug/l   | 97       |
| 69) o-Xylene                  | 10.628 | 106  | 303089   | 102.675  | ug/l   | 97       |
| 70) Styrene                   | 10.640 | 104  | 524485   | 104.884  | ug/l   | 99       |
| 71) Bromoform                 | 10.780 | 173  | 125602   | 105.343  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 772066   | 100.054  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.823 | 43   | 299571   | 108.827  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 199484   | 102.062  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 159600m  | 98.087   | ug/l   |          |
| 77) Bromobenzene              | 11.183 | 156  | 191695   | 100.568  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.286 | 91   | 908036   | 99.564   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.347 | 91   | 544328   | 99.407   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 639478   | 101.097  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 45242    | 104.353  | ug/l # | 76       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 641755   | 99.695   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 646483   | 100.392  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.731 | 105  | 643122   | 102.686  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 791505   | 98.644   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.994 | 119  | 679495   | 100.170  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 347642   | 95.499   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 351340   | 94.761   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.317 | 91   | 626533   | 98.374   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.518 | 117  | 122970   | 103.167  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 335364   | 99.415   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 40725    | 106.406  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 234564   | 100.768  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 89940    | 92.112   | ug/l   | 98       |
| 95) Naphthalene               | 13.756 | 128  | 639328   | 108.748  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.938 | 180  | 214795   | 101.587  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048411.D  
Acq On : 29 Oct 2025 12:43  
Operator : JC/MD  
Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:21:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration

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

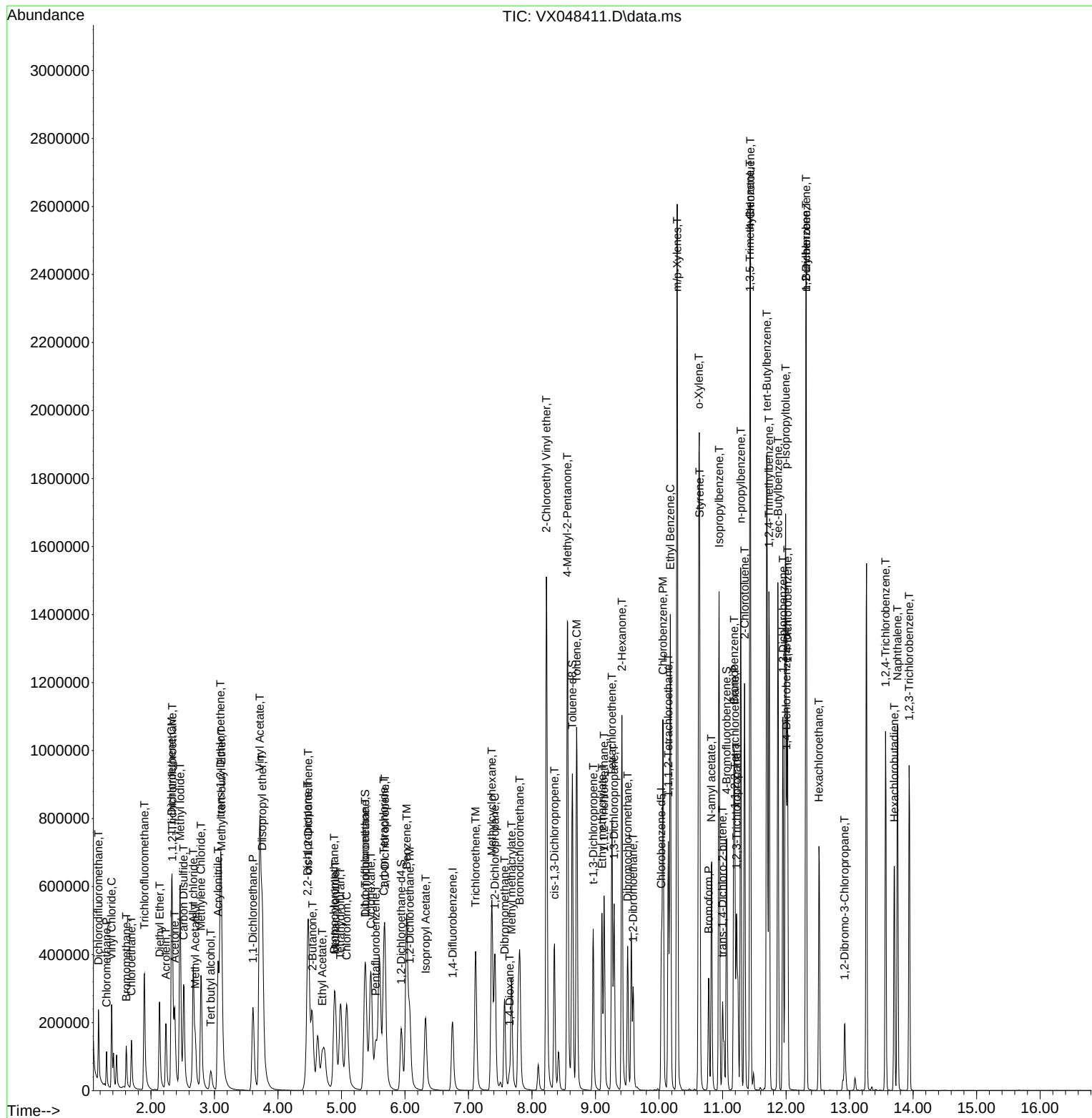
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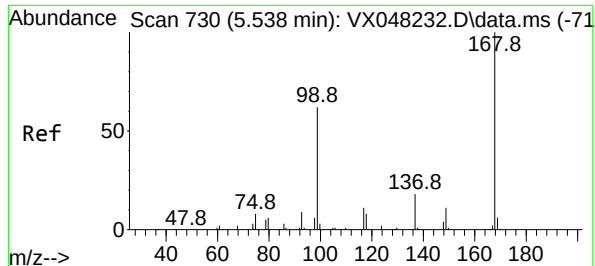


**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC100

## Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.537 min Scan# 71

Delta R.T. 0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:168 Resp: 136244

Ion Ratio Lower Upper

168 100

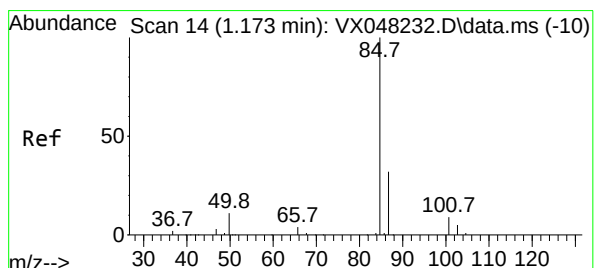
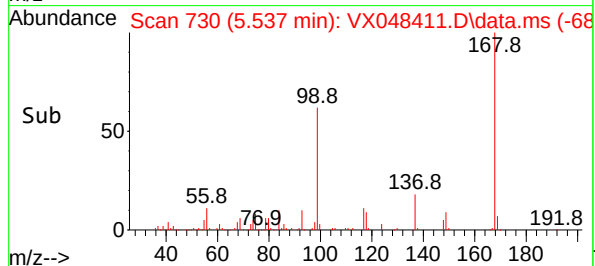
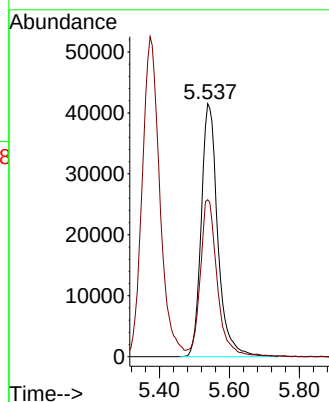
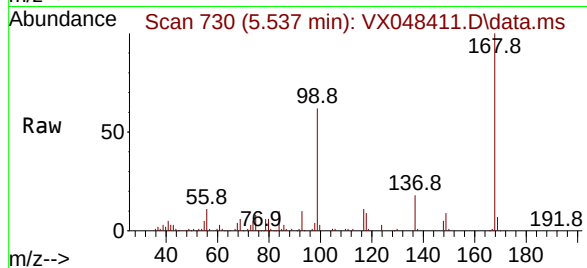
99 61.7 46.4 69.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#2

Dichlorodifluoromethane

Concen: 98.781 ug/l

RT: 1.172 min Scan# 14

Delta R.T. -0.000 min

Lab File: VX048411.D

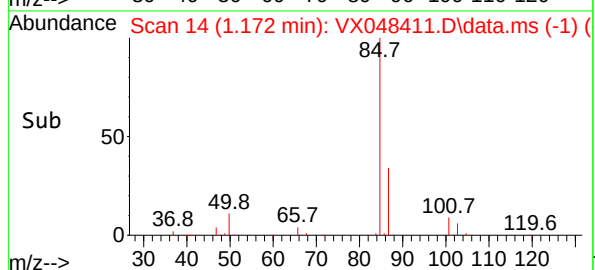
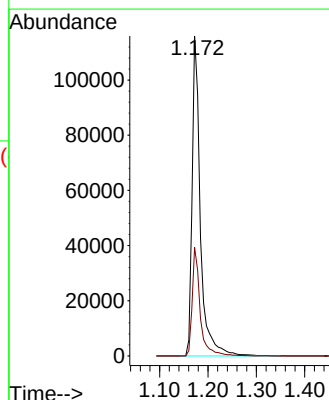
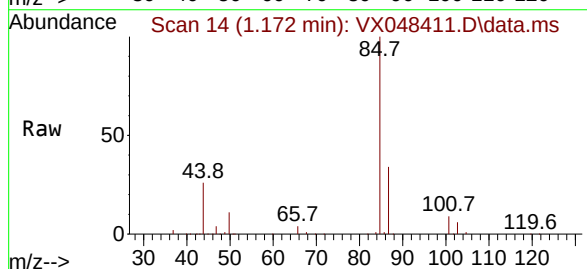
Acq: 29 Oct 2025 12:43

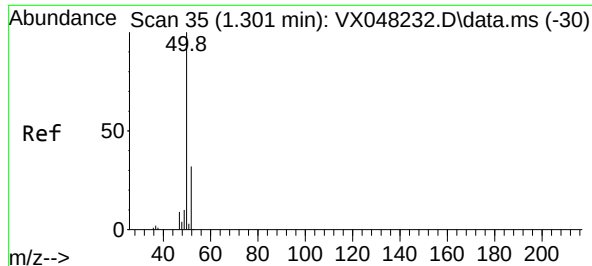
Tgt Ion: 85 Resp: 137281

Ion Ratio Lower Upper

85 100

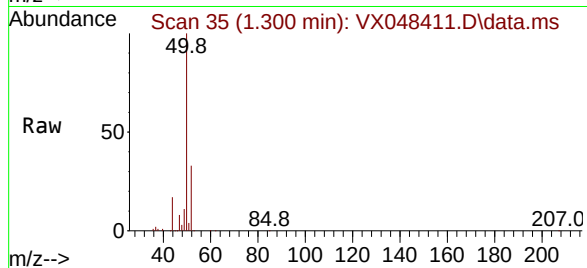
87 34.0 15.3 45.9





#3  
Chloromethane  
Concen: 95.062 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

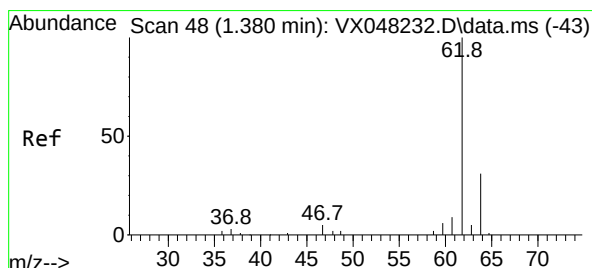
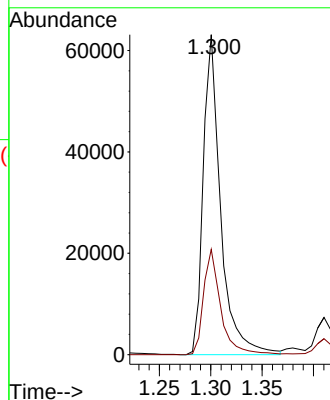
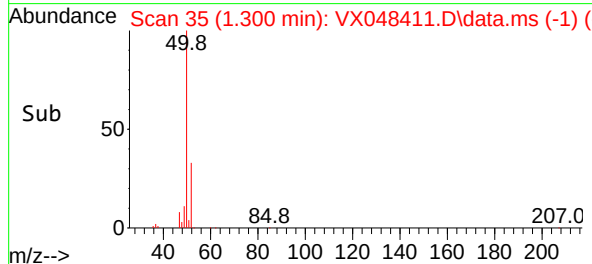
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion: 50 Resp: 74538  
Ion Ratio Lower Upper  
50 100  
52 32.9 25.9 38.9

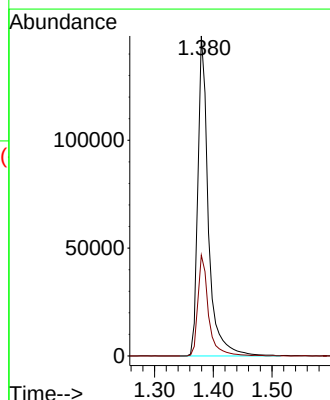
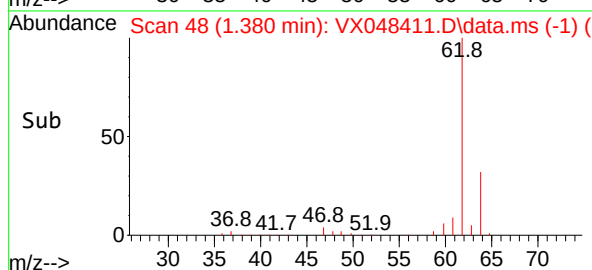
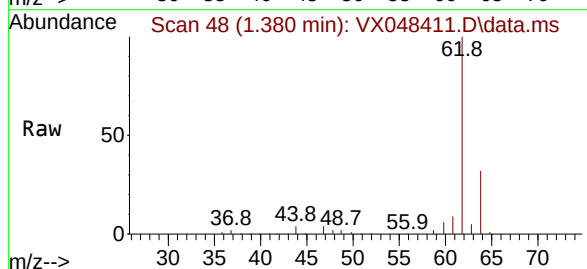
Manual Integrations  
APPROVED

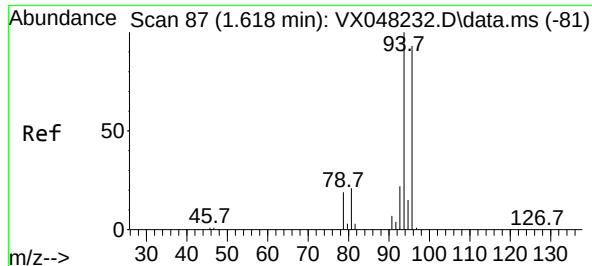
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#4  
Vinyl Chloride  
Concen: 101.782 ug/l  
RT: 1.380 min Scan# 48  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Tgt Ion: 62 Resp: 184353  
Ion Ratio Lower Upper  
62 100  
64 31.5 25.1 37.7





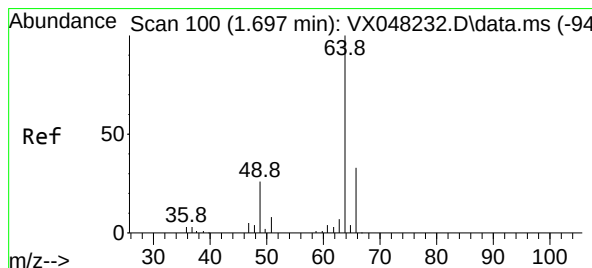
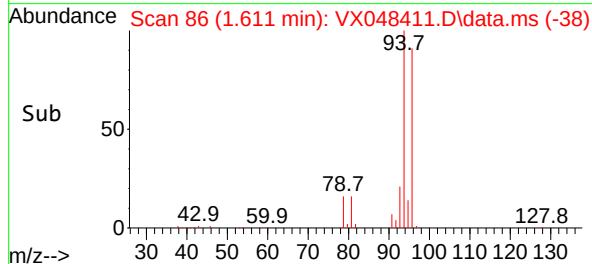
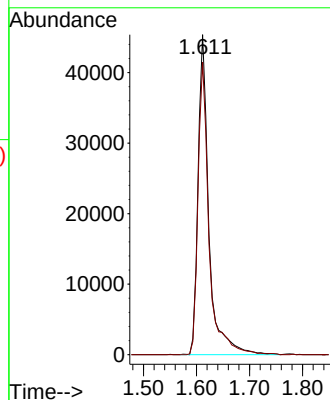
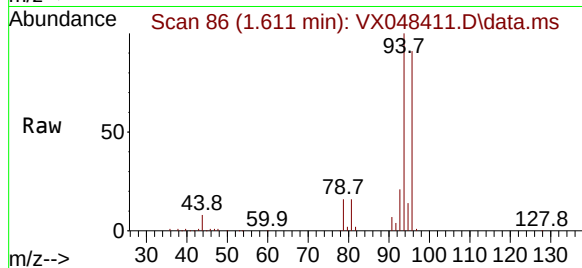
#5  
Bromomethane  
Concen: 98.767 ug/l  
RT: 1.611 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 94 Resp: 6462  
Ion Ratio Lower Upper  
94 100  
96 91.4 76.0 114.0

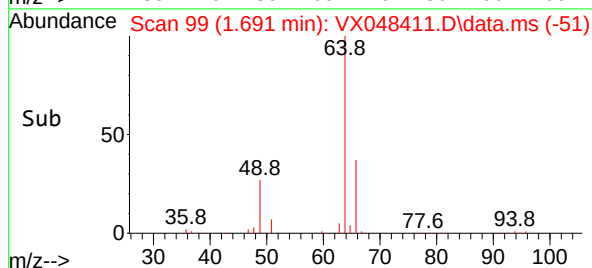
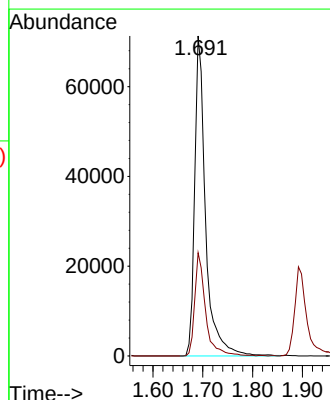
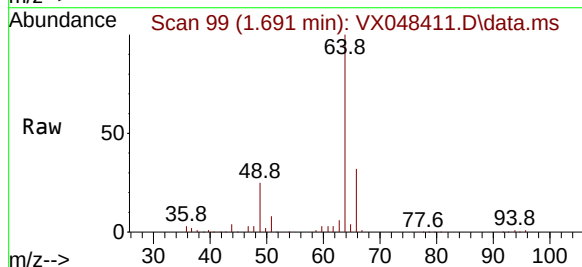
Manual Integrations  
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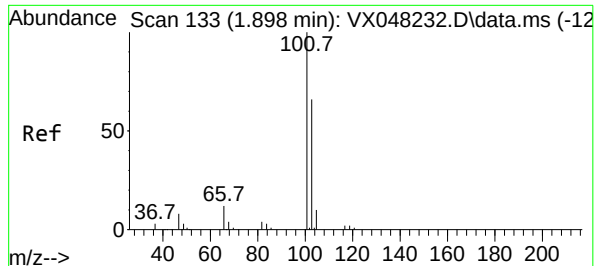
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#6  
Chloroethane  
Concen: 100.762 ug/l  
RT: 1.691 min Scan# 99  
Delta R.T. -0.006 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Tgt Ion: 64 Resp: 108537  
Ion Ratio Lower Upper  
64 100  
66 32.2 23.9 35.9





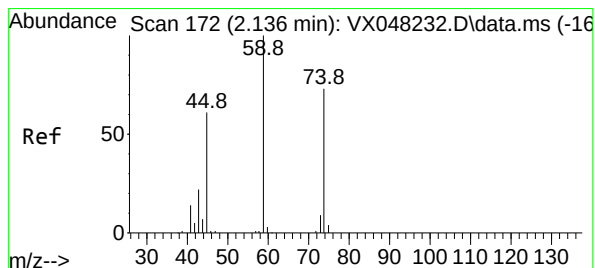
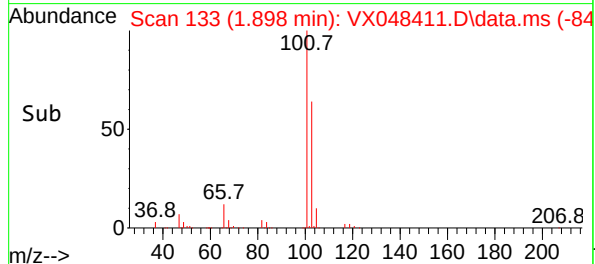
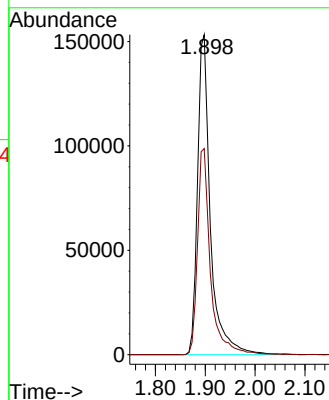
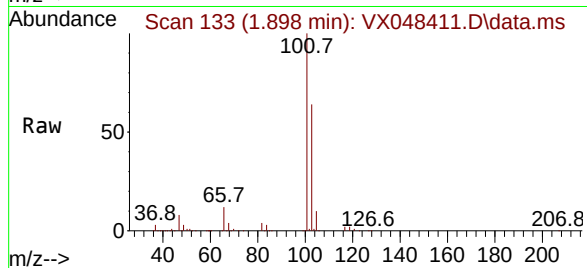
#7  
Trichlorofluoromethane  
Concen: 98.791 ug/l  
RT: 1.898 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion:101 Resp: 27420  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.6 77.4

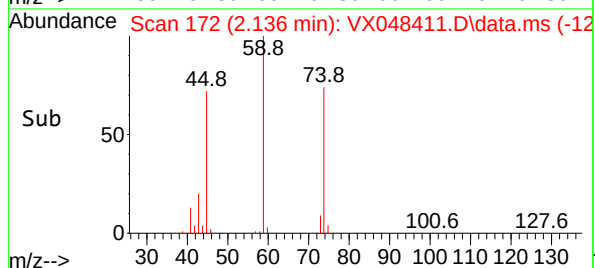
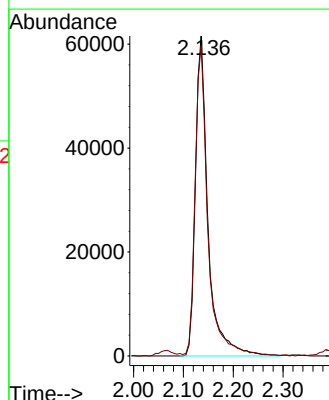
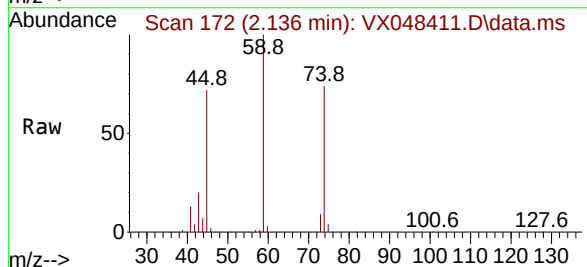
Manual Integrations  
APPROVED

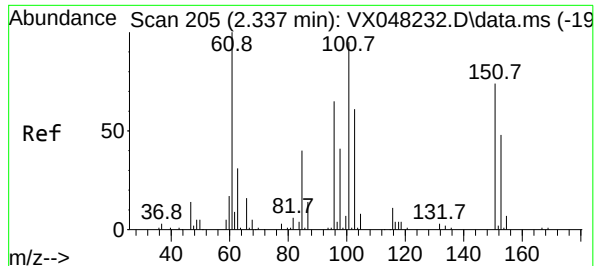
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#8  
Diethyl Ether  
Concen: 107.685 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Tgt Ion: 74 Resp: 108025  
Ion Ratio Lower Upper  
74 100  
45 97.3 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.581 ug/l

RT: 2.337 min Scan# 205

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:101 Resp: 153910

Ion Ratio Lower Upper

101 100

85 43.8 35.6 53.4

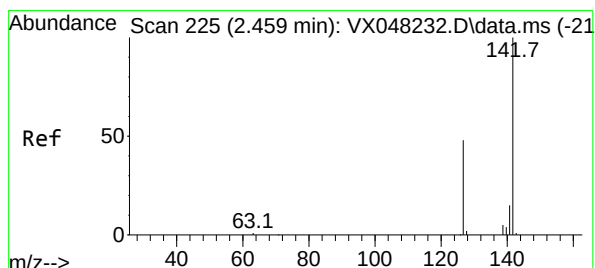
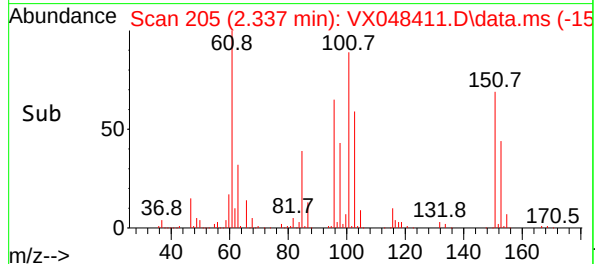
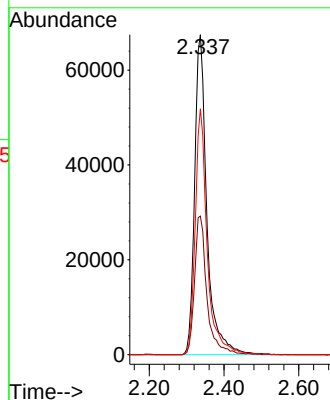
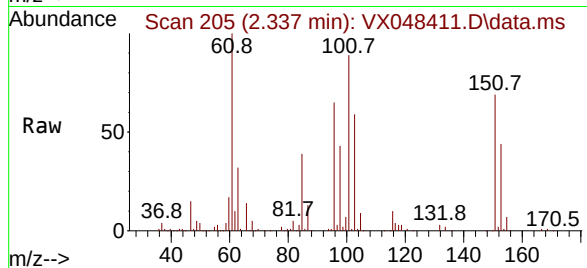
151 75.0 58.0 87.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#10

Methyl Iodide

Concen: 106.094 ug/l

RT: 2.459 min Scan# 225

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

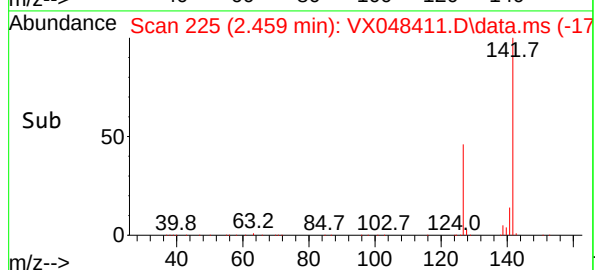
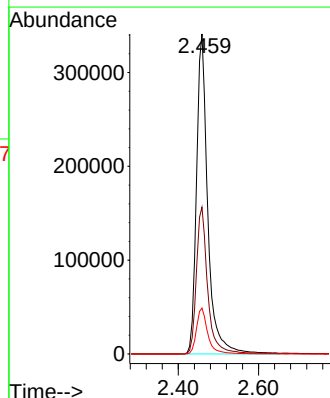
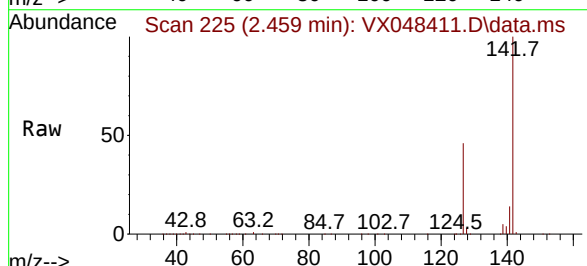
Tgt Ion:142 Resp: 666054

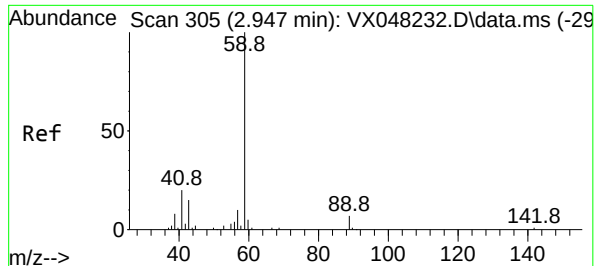
Ion Ratio Lower Upper

142 100

127 46.5 38.5 57.7

141 14.4 11.6 17.4





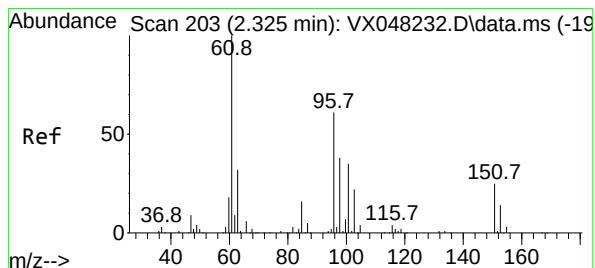
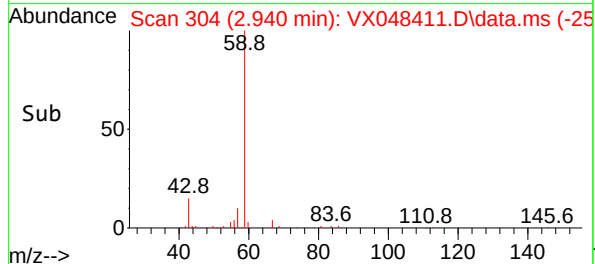
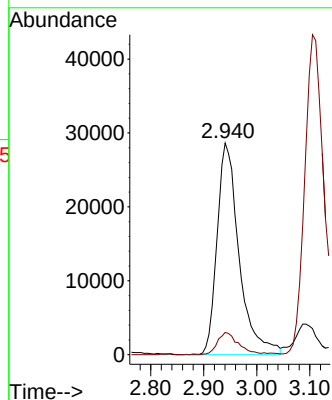
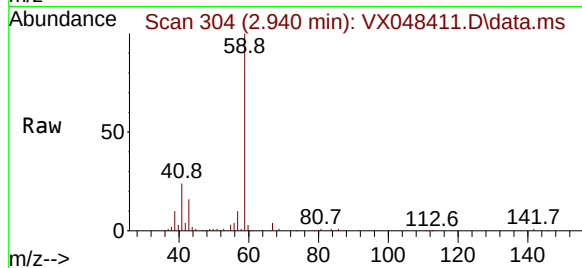
#11  
Tert butyl alcohol  
Concen: 550.424 ug/l  
RT: 2.940 min Scan# 305  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 59 Resp: 82628  
Ion Ratio Lower Upper  
59 100  
57 10.0 8.2 12.4

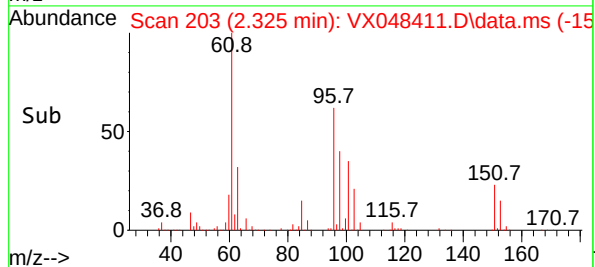
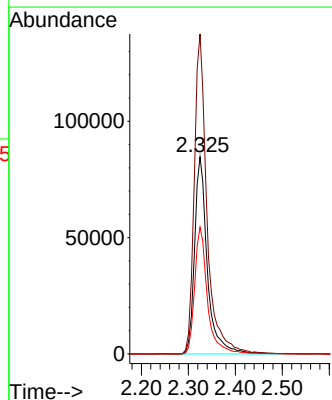
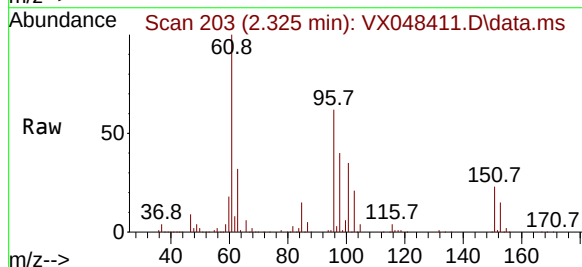
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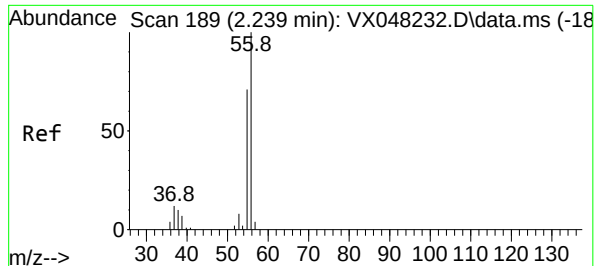
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#12  
1,1-Dichloroethene  
Concen: 101.505 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Tgt Ion: 96 Resp: 160970  
Ion Ratio Lower Upper  
96 100  
61 162.3 139.0 208.6  
98 64.3 52.4 78.6





#13

Acrolein

Concen: 556.434 ug/l

RT: 2.233 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 17435

Ion Ratio Lower Upper

56 100

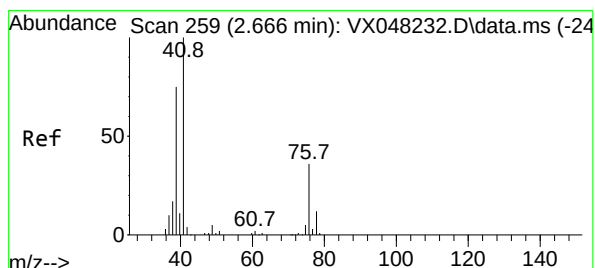
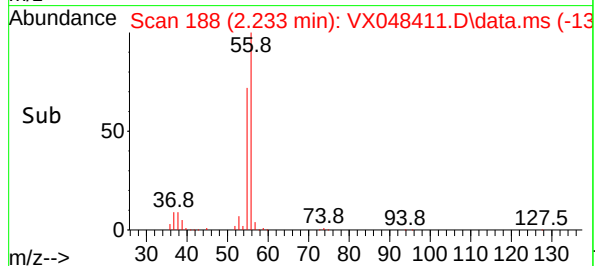
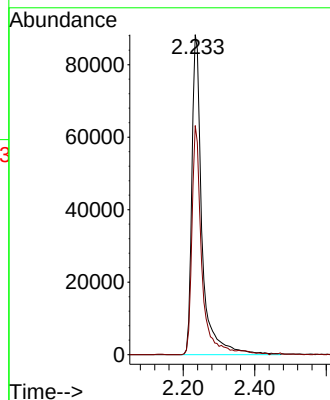
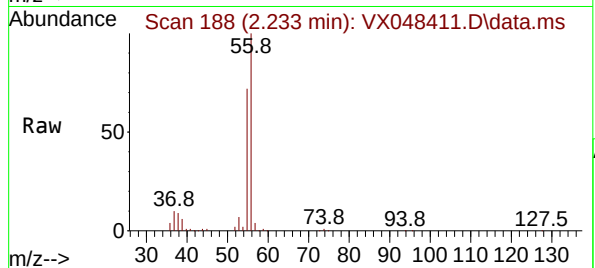
55 68.5 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#14

Allyl chloride

Concen: 102.042 ug/l

RT: 2.666 min Scan# 259

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

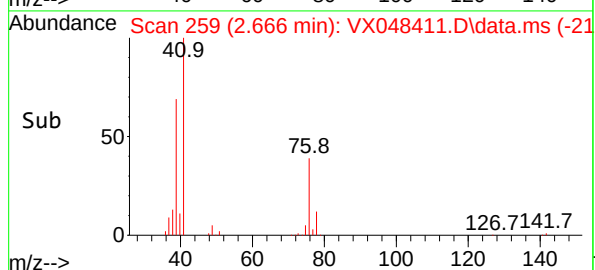
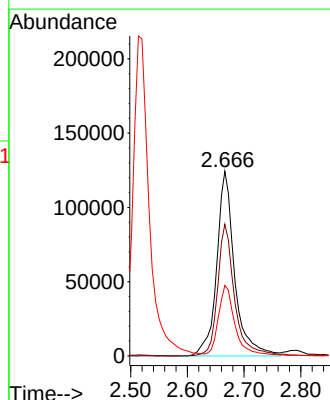
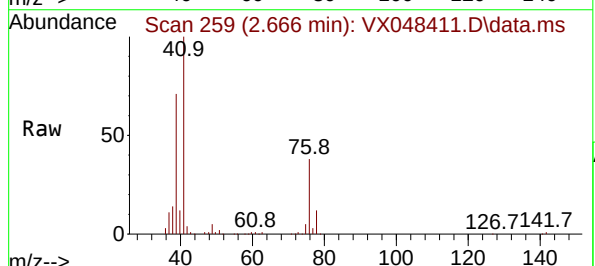
Tgt Ion: 41 Resp: 274038

Ion Ratio Lower Upper

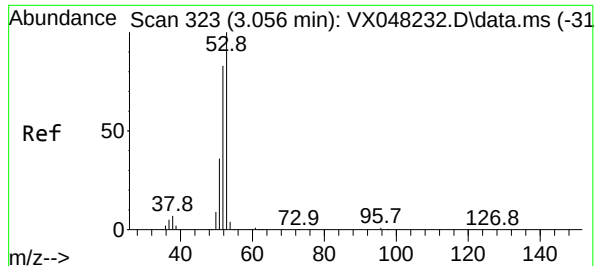
41 100

39 67.5 56.0 84.0

76 34.9 27.5 41.3







#15

Acrylonitrile

Concen: 541.798 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 37000

Ion Ratio Lower Upper

53 100

52 83.0 66.1 99.1

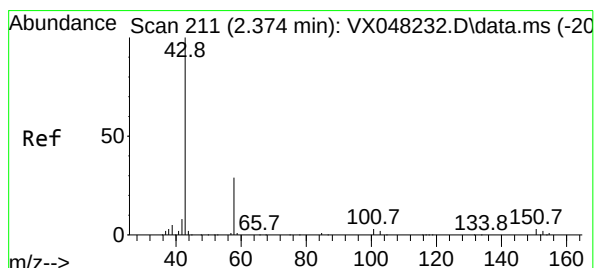
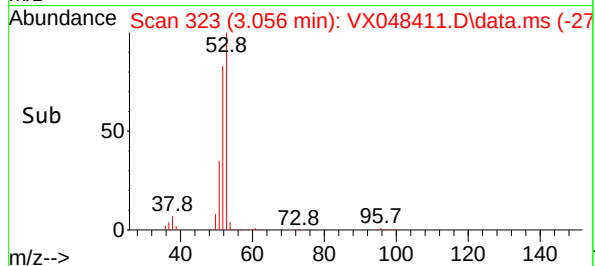
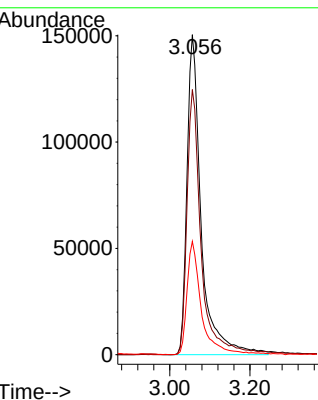
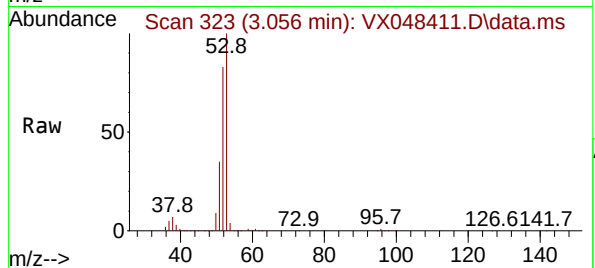
51 36.1 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#16

Acetone

Concen: 539.138 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048411.D

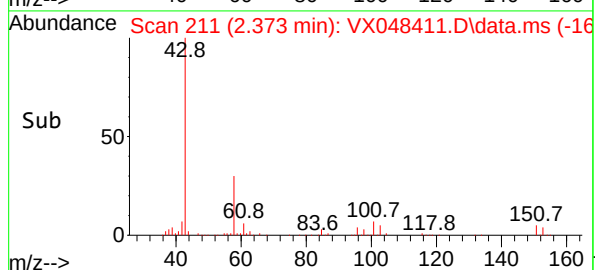
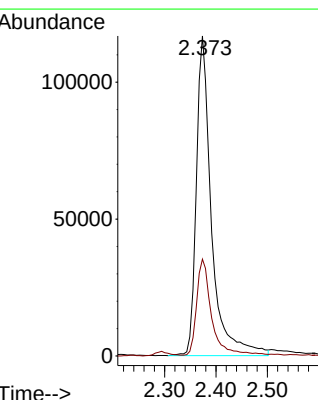
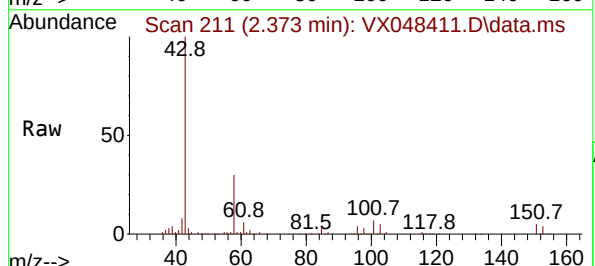
Acq: 29 Oct 2025 12:43

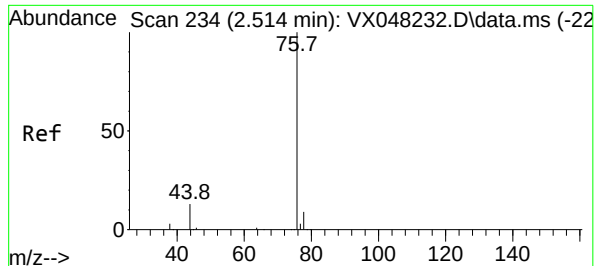
Tgt Ion: 43 Resp: 239424

Ion Ratio Lower Upper

43 100

58 29.9 23.4 35.2





#17

Carbon Disulfide

Concen: 93.947 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 427175

Ion Ratio Lower Upper

76 100

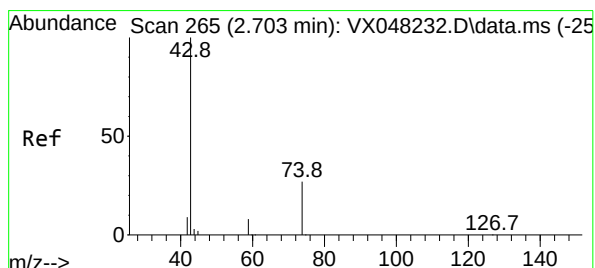
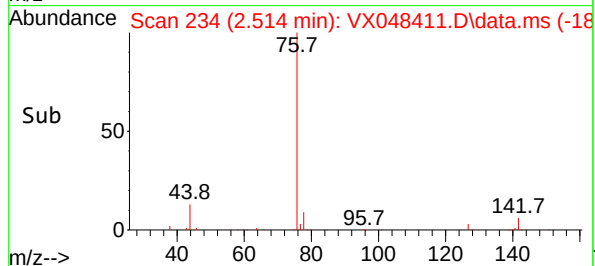
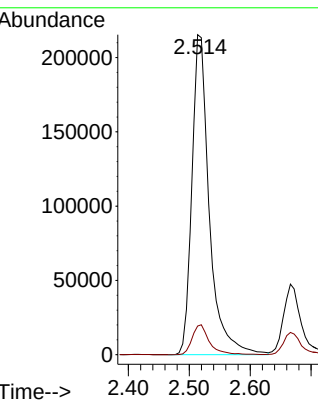
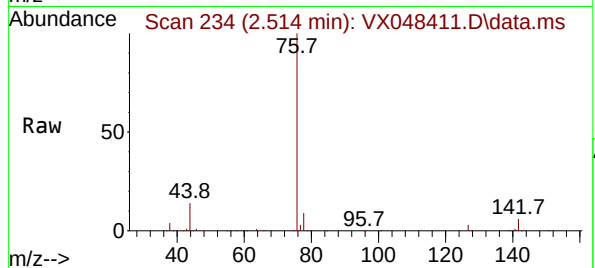
78 9.0 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#18

Methyl Acetate

Concen: 112.212 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.000 min

Lab File: VX048411.D

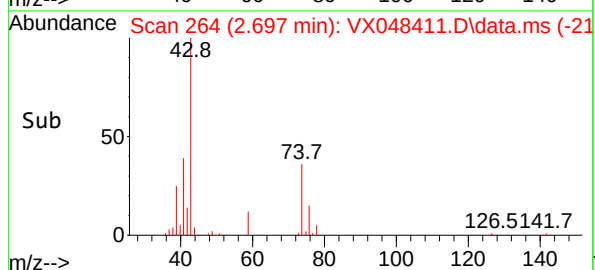
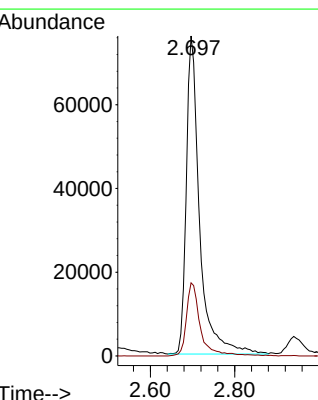
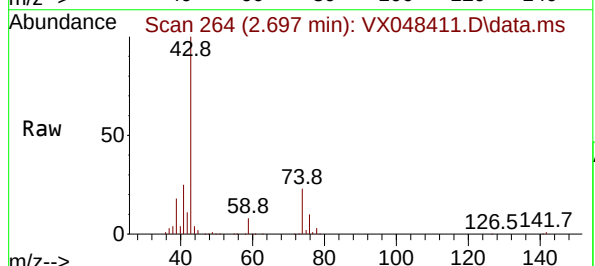
Acq: 29 Oct 2025 12:43

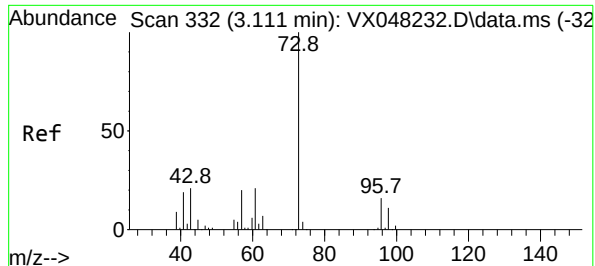
Tgt Ion: 43 Resp: 166666

Ion Ratio Lower Upper

43 100

74 24.1 17.5 26.3





#19

Methyl tert-butyl Ether

Concen: 105.981 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 53820

Ion Ratio Lower Upper

73 100

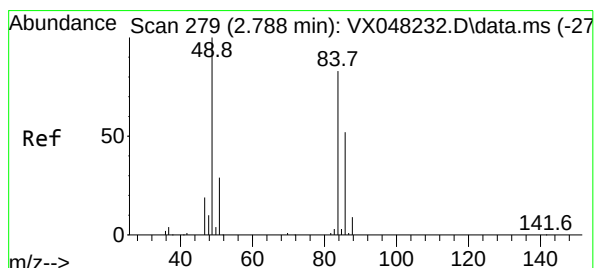
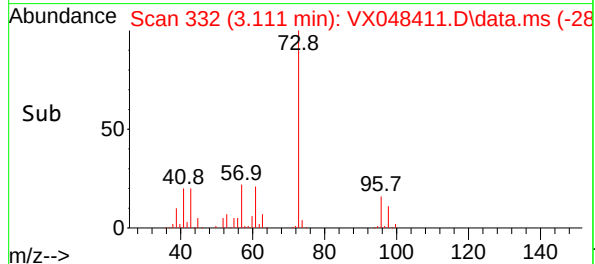
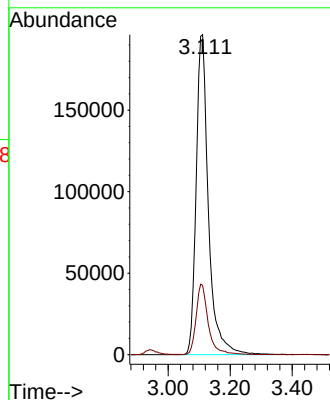
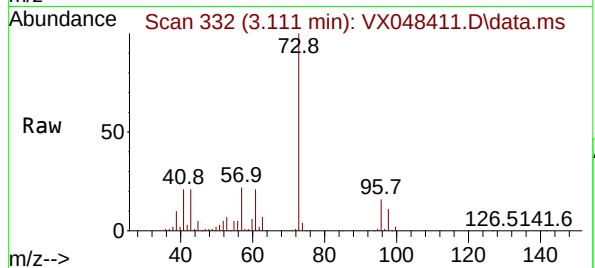
57 21.6 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#20

Methylene Chloride

Concen: 103.597 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Tgt Ion: 84 Resp: 177343

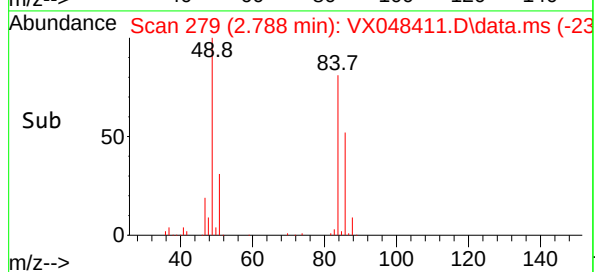
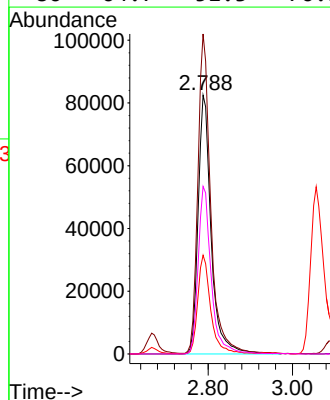
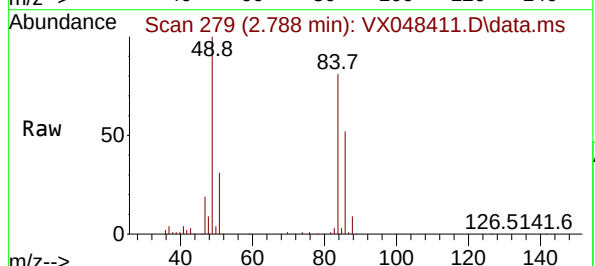
Ion Ratio Lower Upper

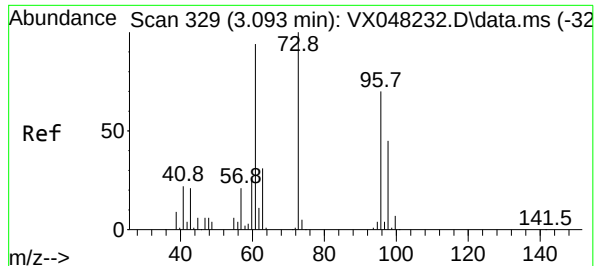
84 100

49 123.4 104.1 156.1

51 38.2 31.3 46.9

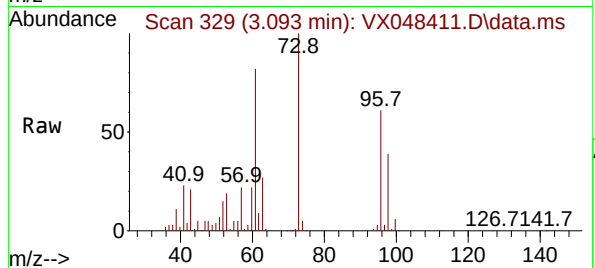
86 64.7 51.3 76.9





#21  
trans-1,2-Dichloroethene  
Concen: 102.229 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

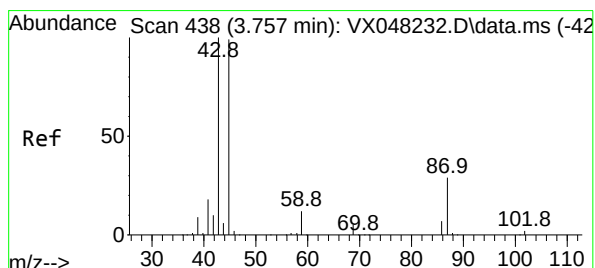
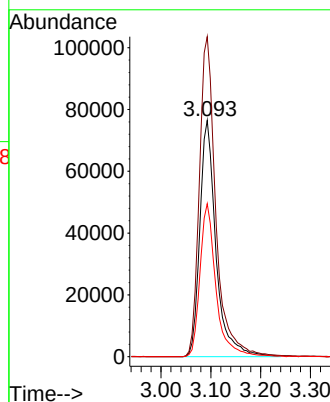
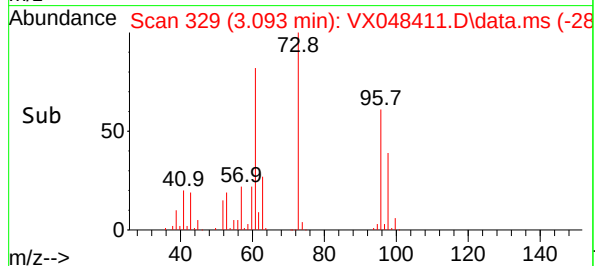
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion: 96 Resp: 172190  
Ion Ratio Lower Upper  
96 100  
61 135.4 111.9 167.9  
98 64.7 51.2 76.8

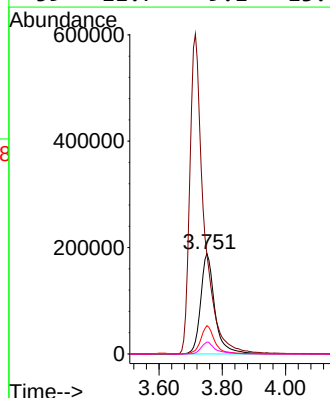
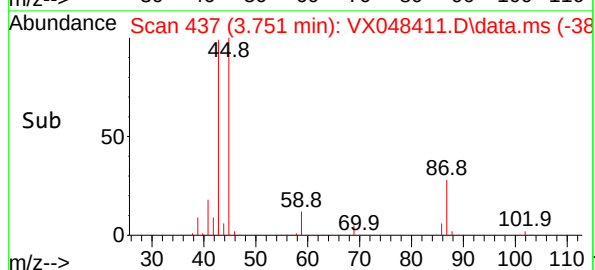
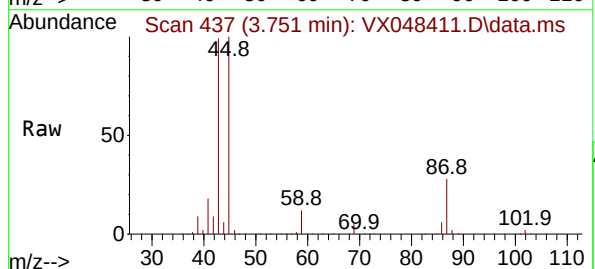
Manual Integrations  
APPROVED

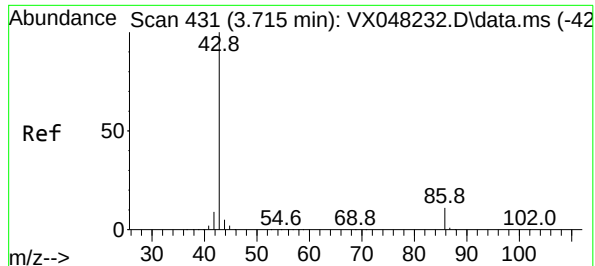
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#22  
Diisopropyl ether  
Concen: 106.589 ug/l  
RT: 3.751 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Tgt Ion: 45 Resp: 585908  
Ion Ratio Lower Upper  
45 100  
43 98.4 89.8 134.8  
87 28.2 20.6 31.0  
59 11.7 9.1 13.7





#23

Vinyl Acetate

Concen: 499.934 ug/l

RT: 3.715 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 187069

Ion Ratio Lower Upper

43 100

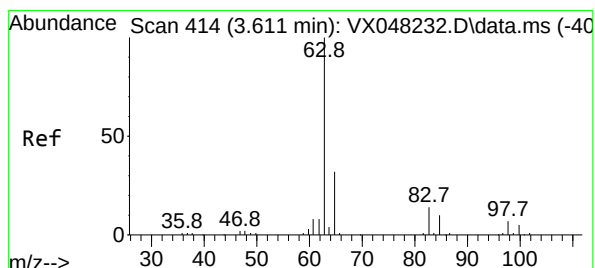
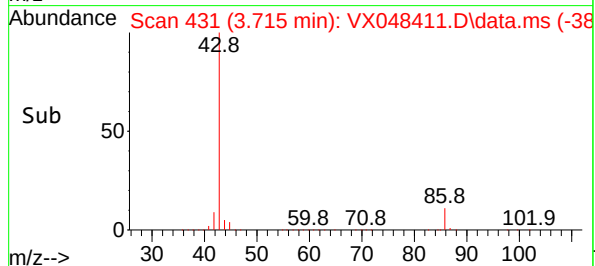
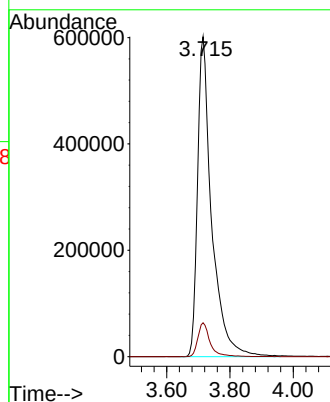
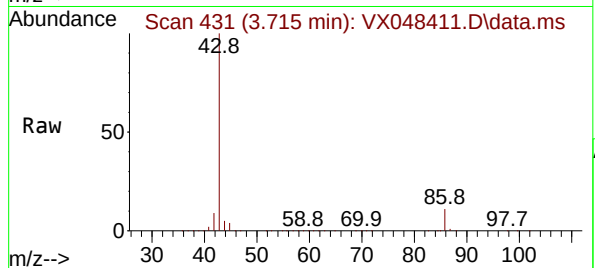
86 10.6 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#24

1,1-Dichloroethane

Concen: 103.957 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

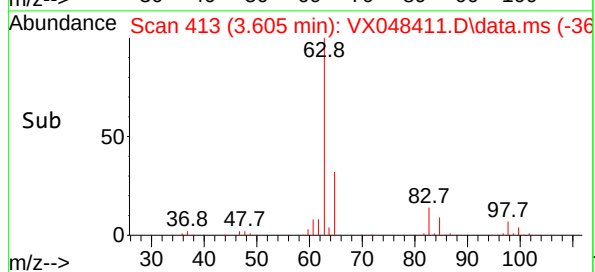
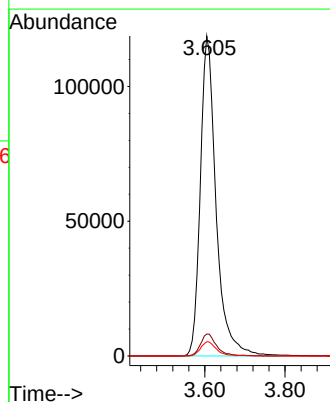
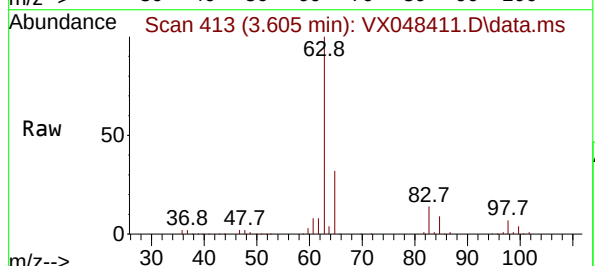
Tgt Ion: 63 Resp: 324304

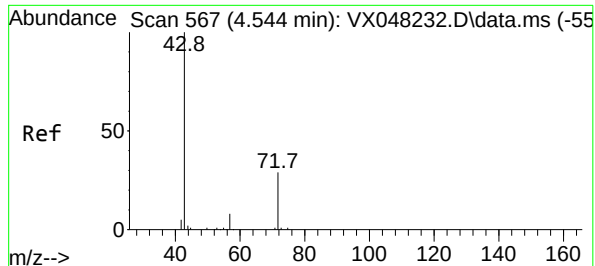
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.6

100 4.7 2.1 6.3





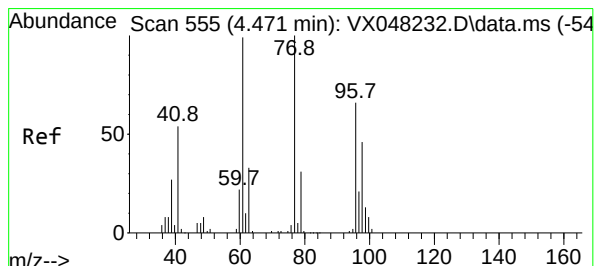
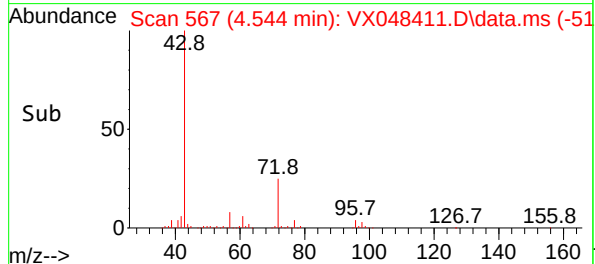
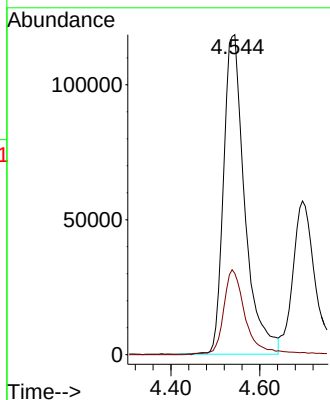
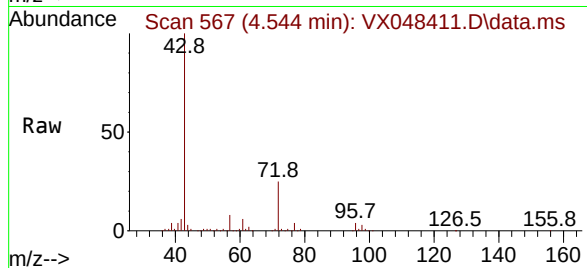
#25  
2-Butanone  
Concen: 551.449 ug/l  
RT: 4.544 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 43 Resp: 391210  
Ion Ratio Lower Upper  
43 100  
72 25.4 19.9 29.9

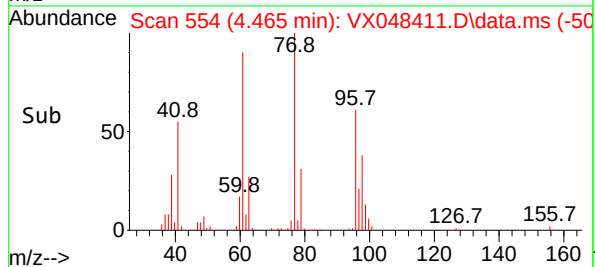
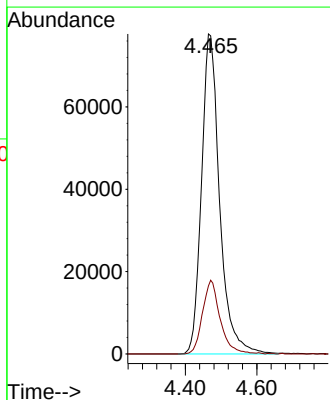
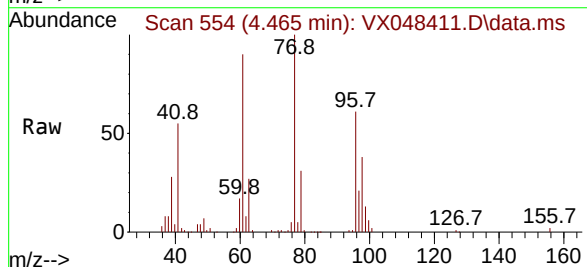
Manual Integrations  
APPROVED

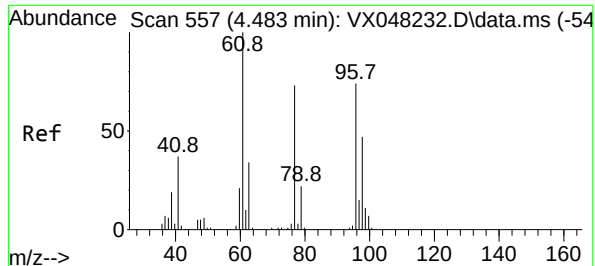
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#26  
2,2-Dichloropropane  
Concen: 101.660 ug/l  
RT: 4.465 min Scan# 554  
Delta R.T. -0.006 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Tgt Ion: 77 Resp: 273061  
Ion Ratio Lower Upper  
77 100  
97 22.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 104.487 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 96 Resp: 21005

Ion Ratio Lower Upper

96 100

61 142.9 0.0 294.2

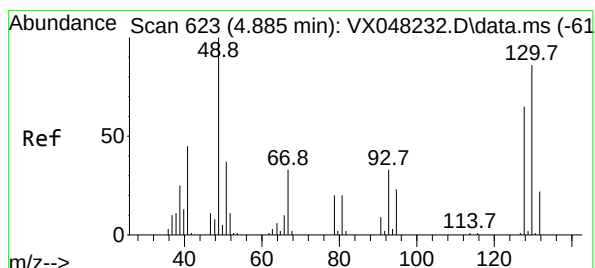
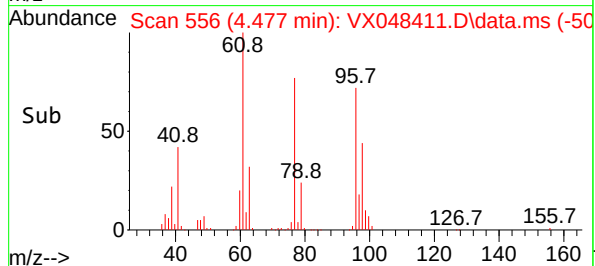
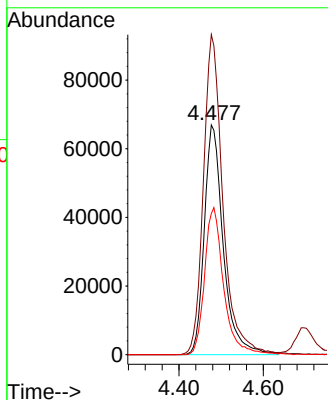
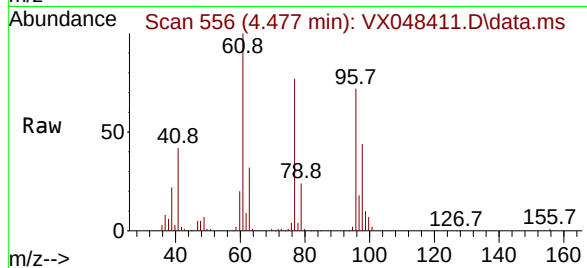
98 64.4 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#28

Bromochloromethane

Concen: 100.105 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

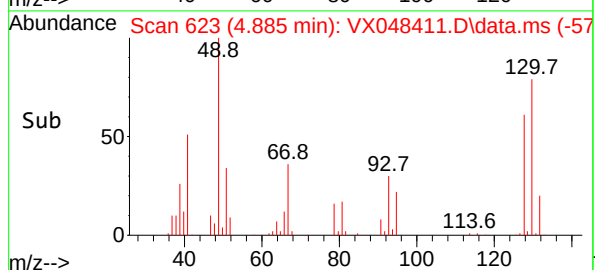
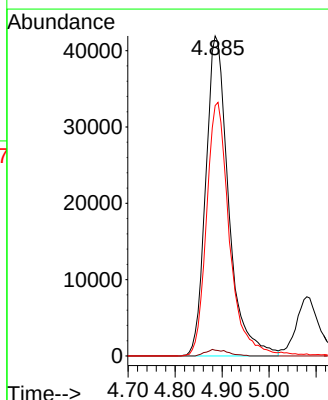
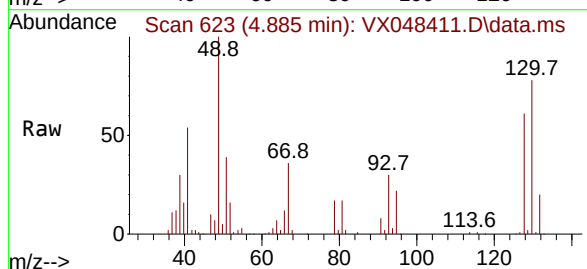
Tgt Ion: 49 Resp: 141528

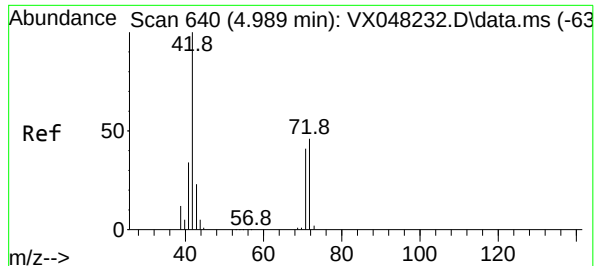
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

130 79.2 59.3 88.9





#29

Tetrahydrofuran

Concen: 547.338 ug/l

RT: 4.983 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 276529

Ion Ratio Lower Upper

42 100

72 45.7 35.3 52.9

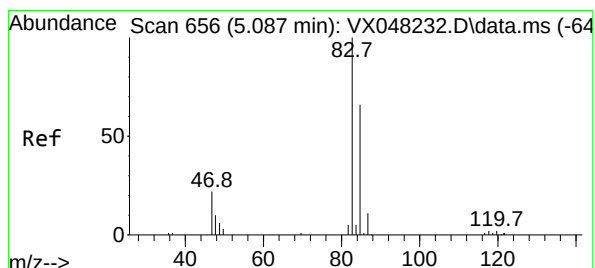
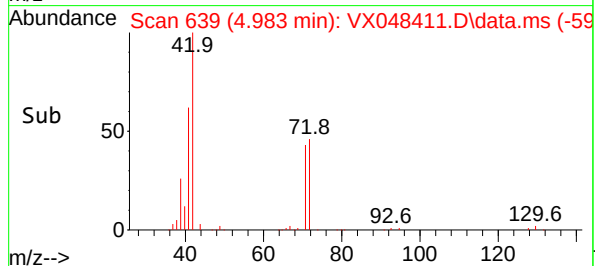
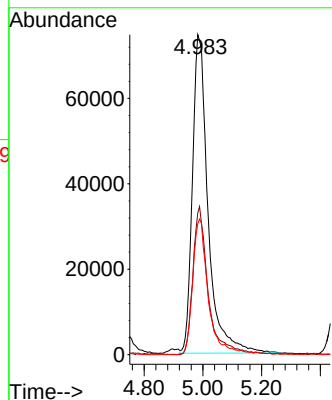
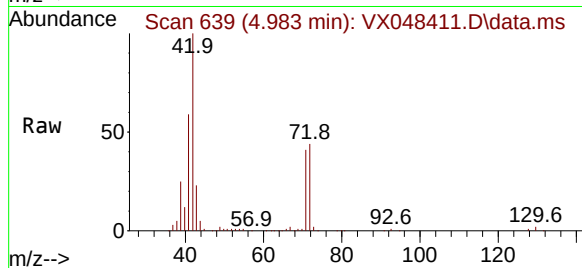
71 42.0 32.2 48.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#30

Chloroform

Concen: 102.928 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX048411.D

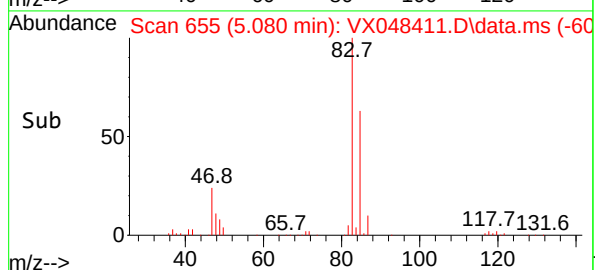
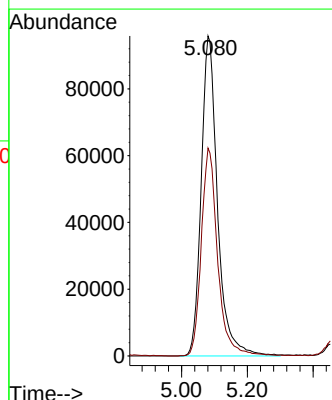
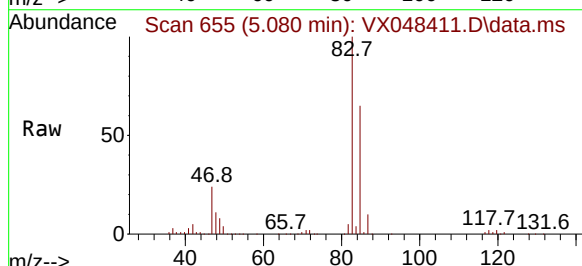
Acq: 29 Oct 2025 12:43

Tgt Ion: 83 Resp: 330306

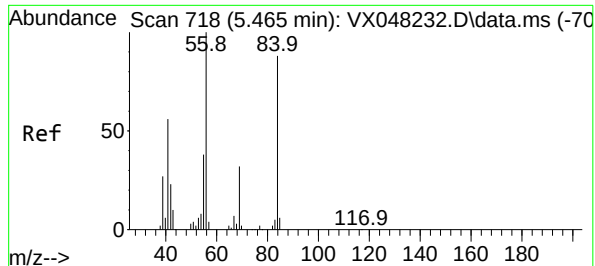
Ion Ratio Lower Upper

83 100

85 64.9 50.1 75.1







#31

Cyclohexane

Concen: 97.000 ug/l

RT: 5.464 min Scan# 718

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 26266

Ion Ratio Lower Upper

56 100

69 30.9 23.0 34.6

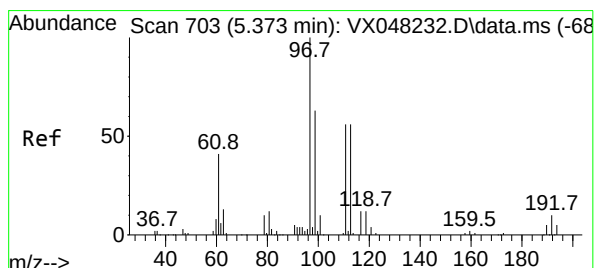
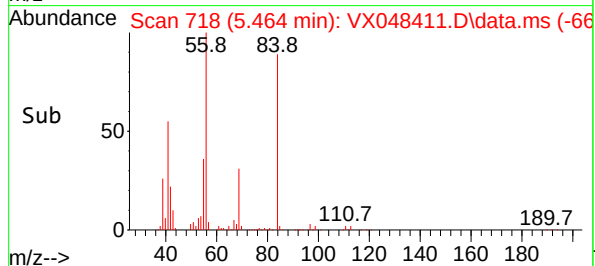
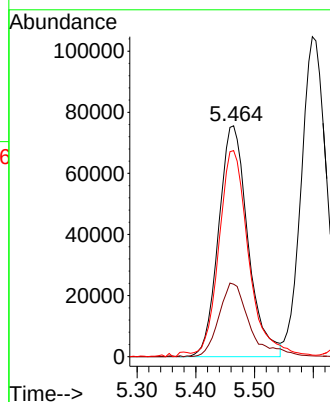
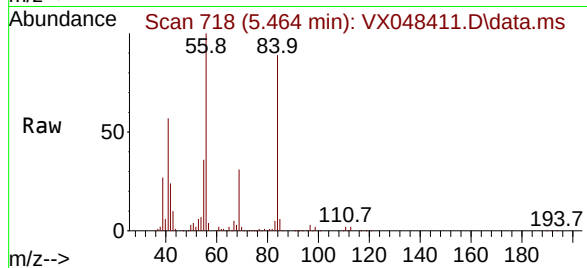
84 87.0 64.6 97.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#32

1,1,1-Trichloroethane

Concen: 101.676 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

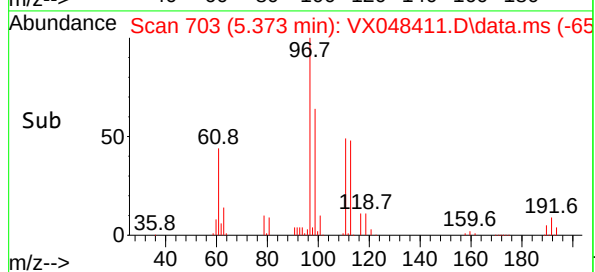
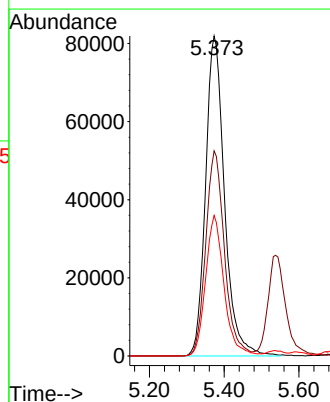
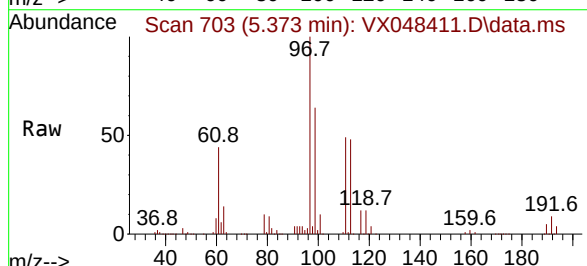
Tgt Ion: 97 Resp: 288051

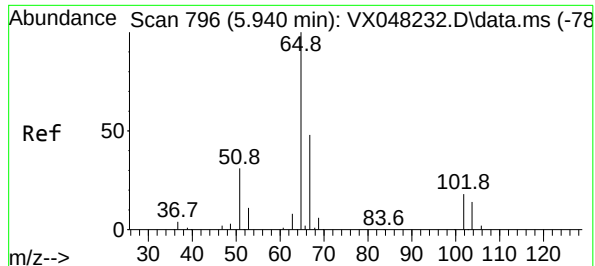
Ion Ratio Lower Upper

97 100

99 63.5 51.7 77.5

61 42.8 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 101.300 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 19848

Ion Ratio Lower Upper

65 100

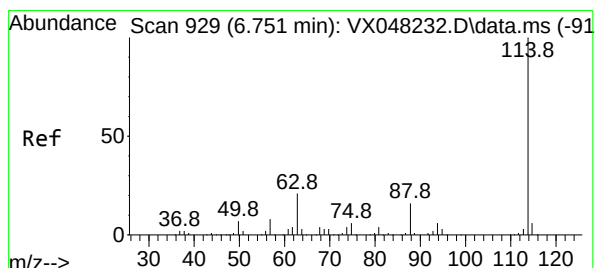
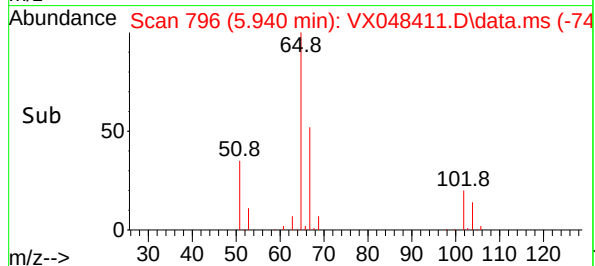
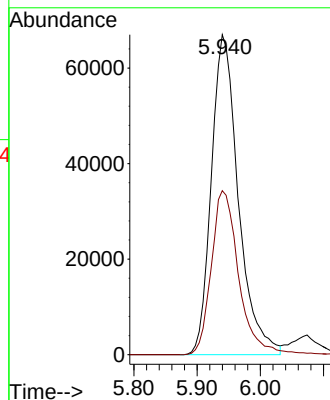
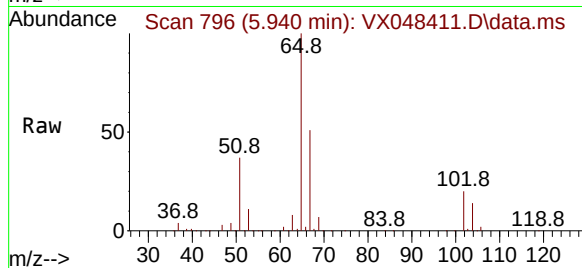
67 52.3 0.0 105.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

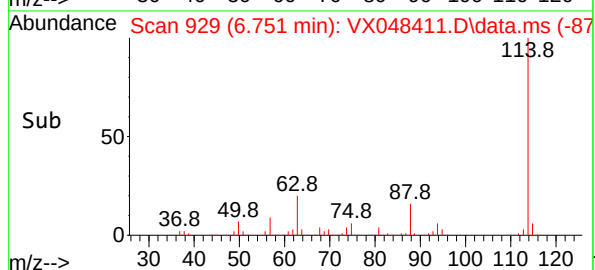
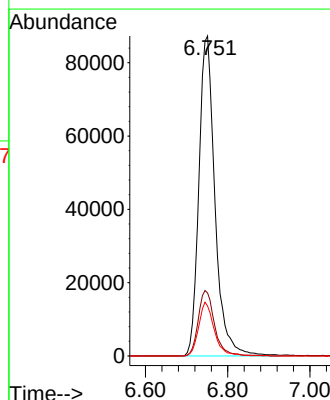
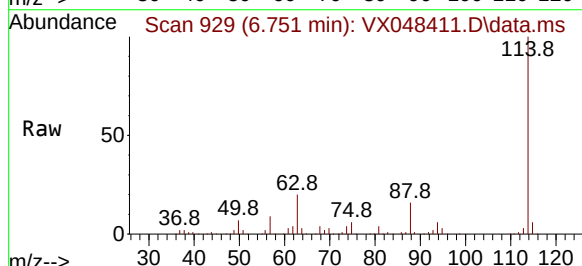
Tgt Ion:114 Resp: 237043

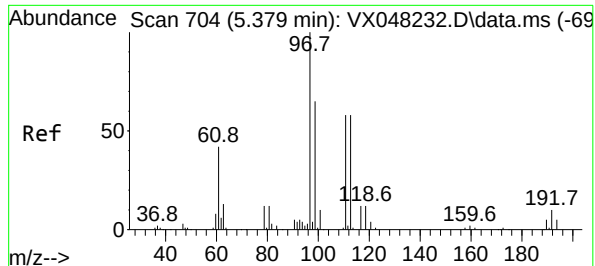
Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 15.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 99.222 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

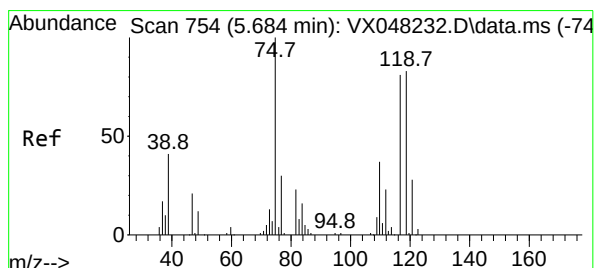
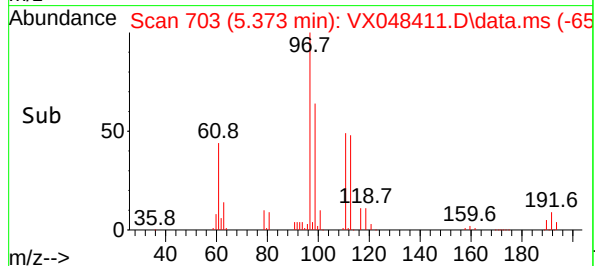
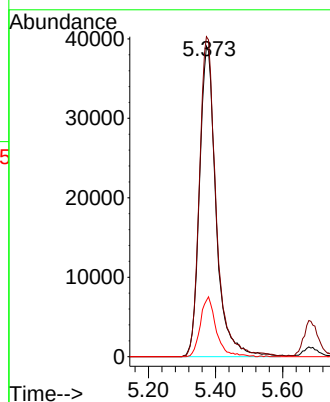
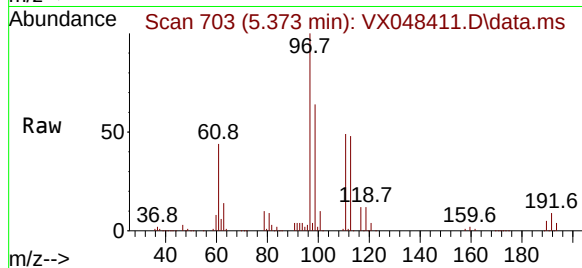
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 134090 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.5 | 82.2  | 123.4  |
| 192      | 18.3  | 15.1  | 22.7   |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#36

1,1-Dichloropropene

Concen: 96.734 ug/l

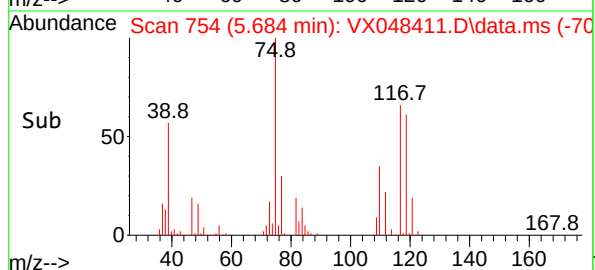
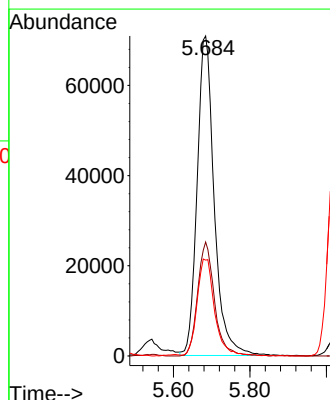
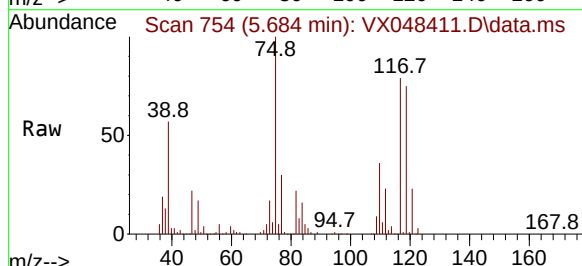
RT: 5.684 min Scan# 754

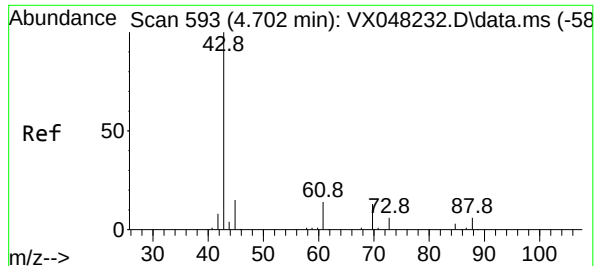
Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 219541 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 35.3  | 17.7  | 53.1   |
| 77       | 31.4  | 24.3  | 36.5   |





#37

Ethyl Acetate

Concen: 104.423 ug/l

RT: 4.696 min Scan# 593

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

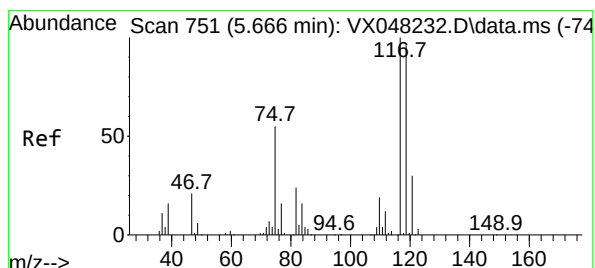
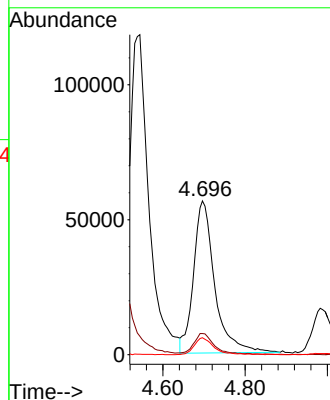
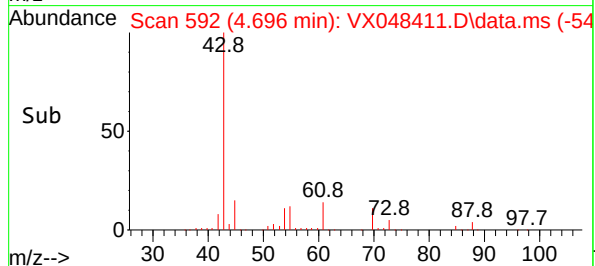
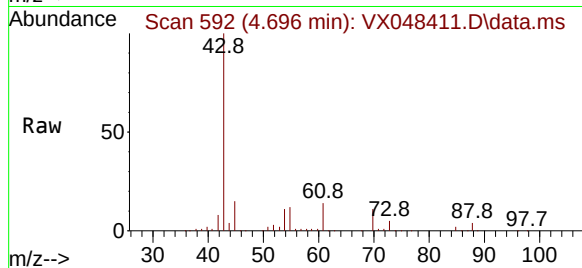
VSTDICC100

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 20191 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 11.9  | 10.6  | 15.8  |
| 70       | 10.3  | 7.8   | 11.6  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#38

Carbon Tetrachloride

Concen: 93.614 ug/l

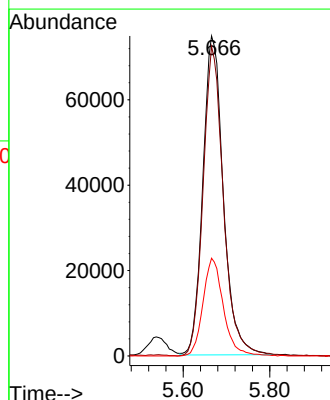
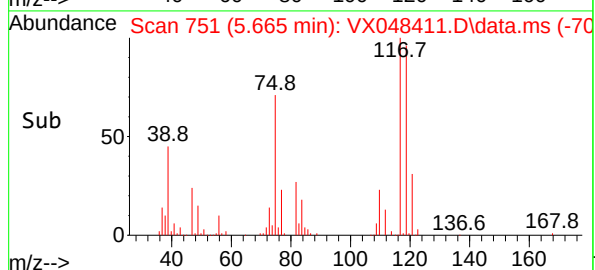
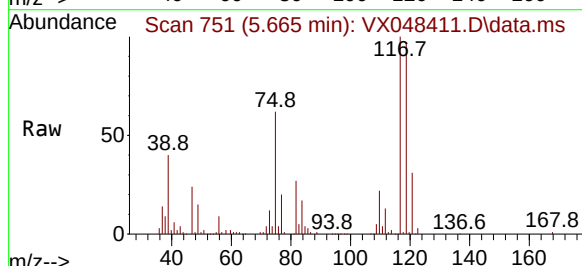
RT: 5.665 min Scan# 751

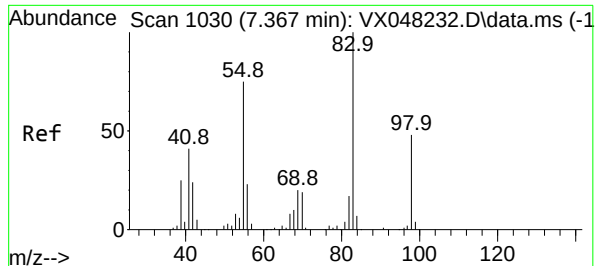
Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 245308 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 97.0  | 77.2  | 115.8  |
| 121      | 30.7  | 24.8  | 37.2   |





#39

Methylcyclohexane

Concen: 95.097 ug/l

RT: 7.366 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 277549

Ion Ratio Lower Upper

83 100

55 76.9 66.2 99.2

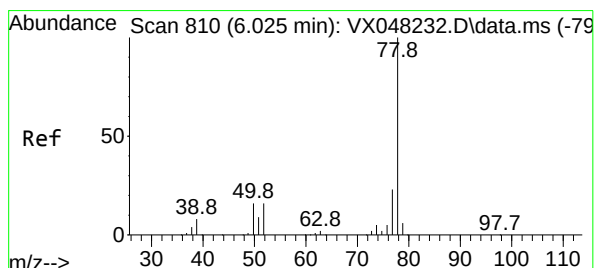
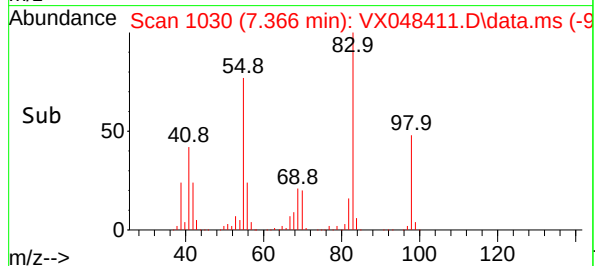
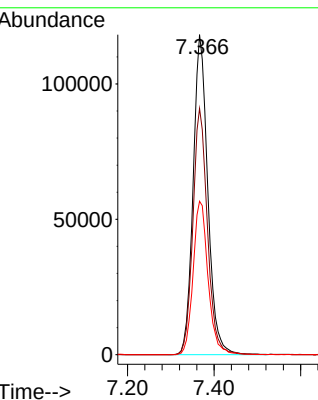
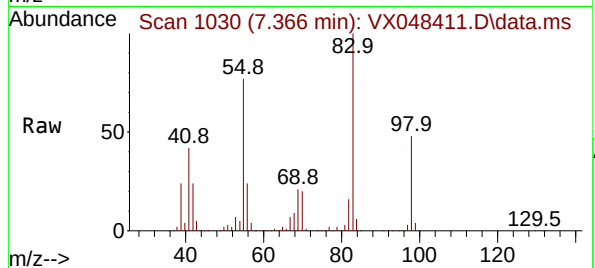
98 47.9 38.9 58.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#40

Benzene

Concen: 99.925 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX048411.D

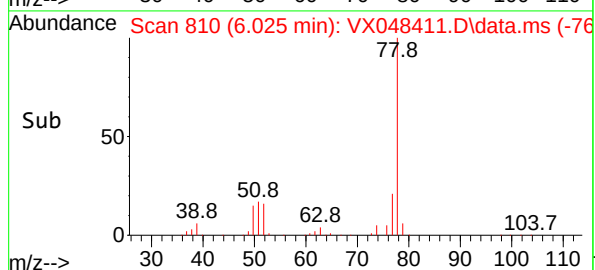
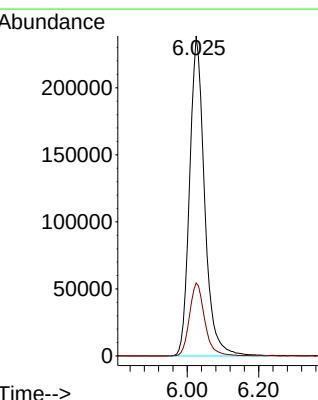
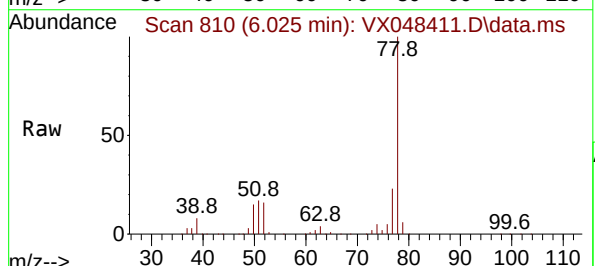
Acq: 29 Oct 2025 12:43

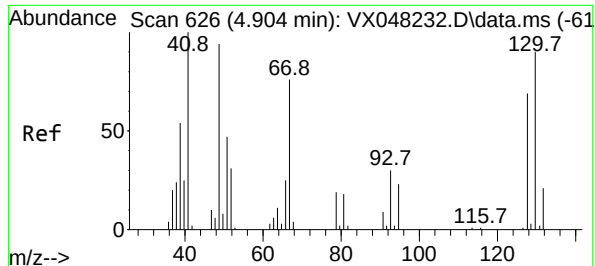
Tgt Ion: 78 Resp: 692820

Ion Ratio Lower Upper

78 100

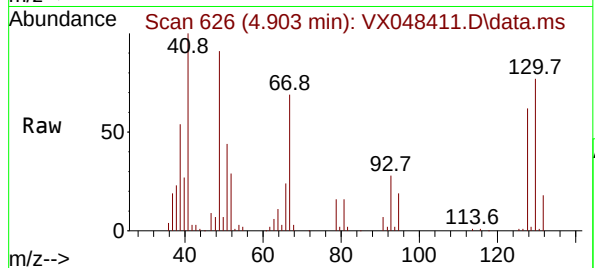
77 22.8 19.3 28.9





#41  
Methacrylonitrile  
Concen: 106.336 ug/l  
RT: 4.903 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

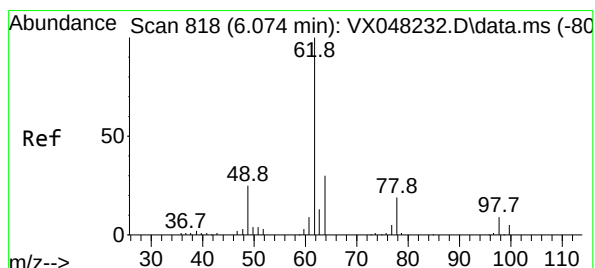
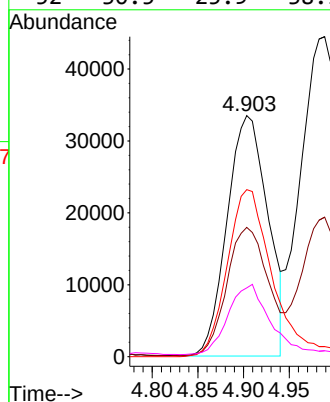
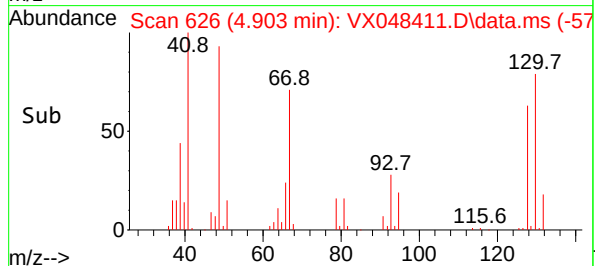
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion: 41 Resp: 10356  
Ion Ratio Lower Upper  
41 100  
39 55.4 44.0 66.0  
67 79.9 58.7 88.1  
52 30.5 25.9 38.9

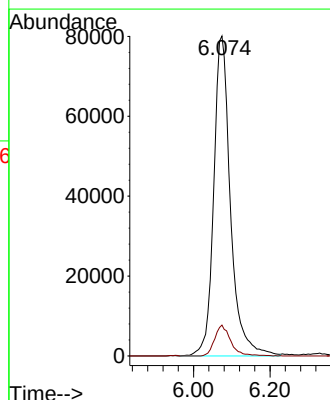
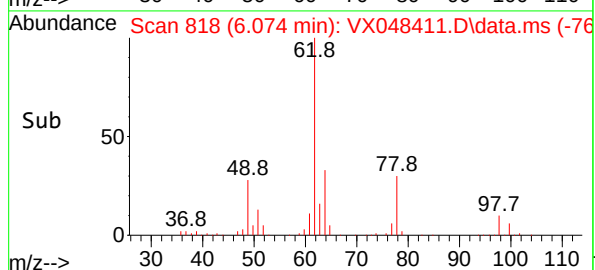
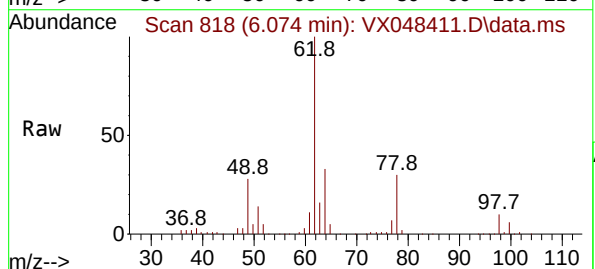
Manual Integrations  
APPROVED

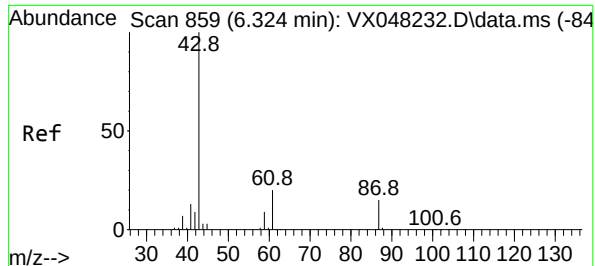
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#42  
1,2-Dichloroethane  
Concen: 99.869 ug/l  
RT: 6.074 min Scan# 818  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Tgt Ion: 62 Resp: 243894  
Ion Ratio Lower Upper  
62 100  
98 9.3 0.0 17.2





#43

Isopropyl Acetate

Concen: 104.923 ug/l

RT: 6.324 min Scan# 859

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

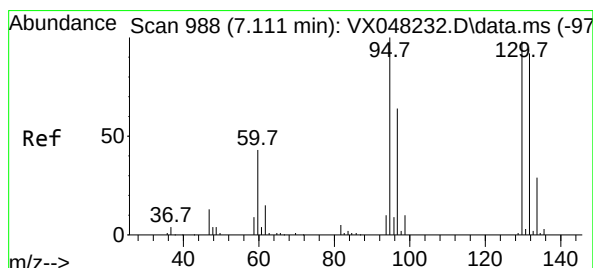
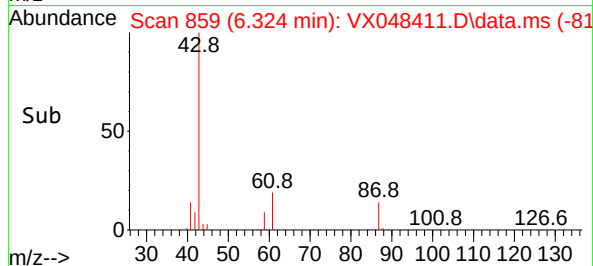
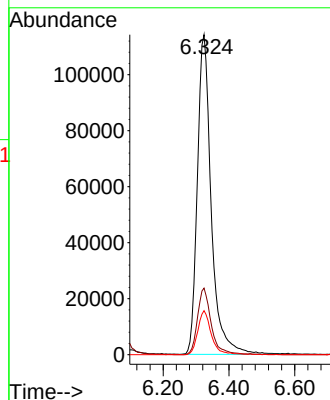
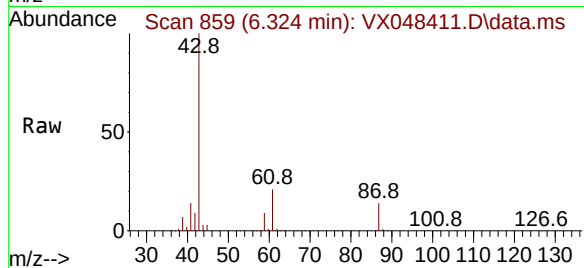
VSTDICC100

| Tgt Ion:  | 43    | Resp: | 33495 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 20.5  | 14.9  | 22.3  |
| 87        | 13.3  | 9.4   | 14.2  |

**Manual Integrations**  
**APPROVED**

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#44

Trichloroethene

Concen: 98.882 ug/l

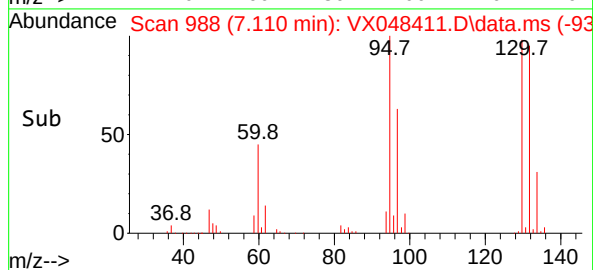
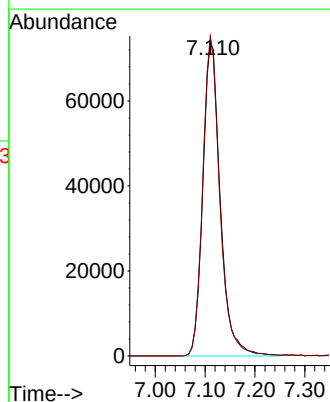
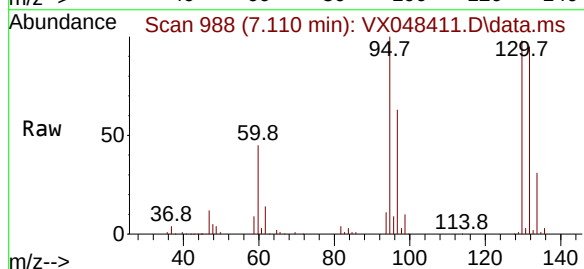
RT: 7.110 min Scan# 988

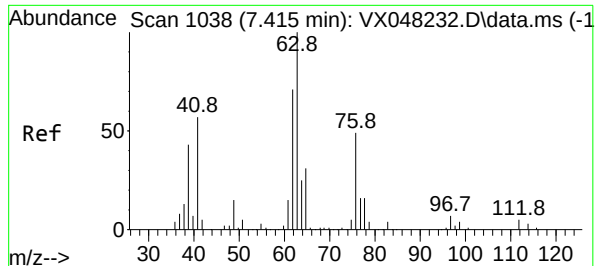
Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

| Tgt Ion:  | 130   | Resp: | 179623 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 102.1 | 0.0   | 200.6  |





#45

1,2-Dichloropropane

Concen: 100.932 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 174772

Ion Ratio Lower Upper

63 100

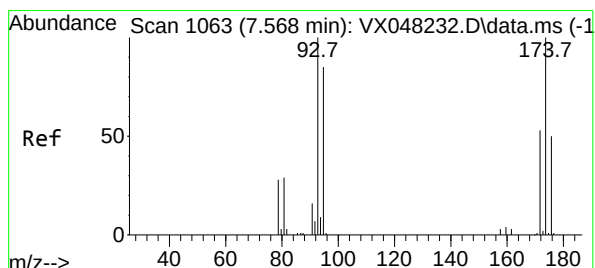
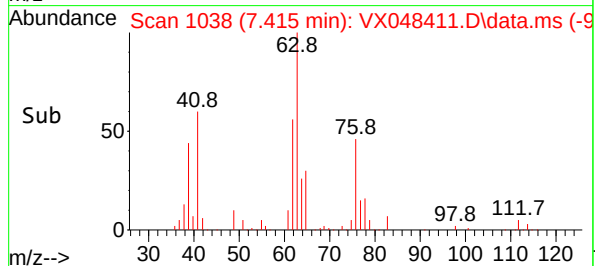
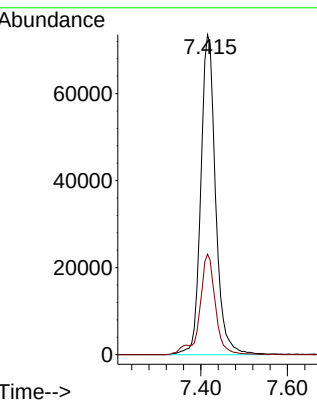
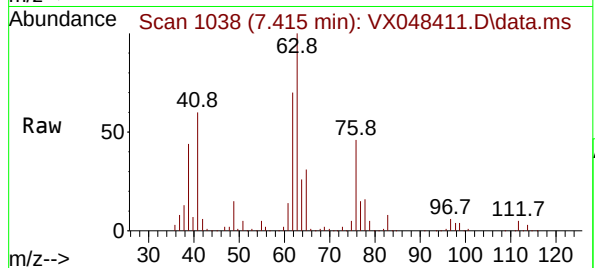
65 31.4 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#46

Dibromomethane

Concen: 102.224 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

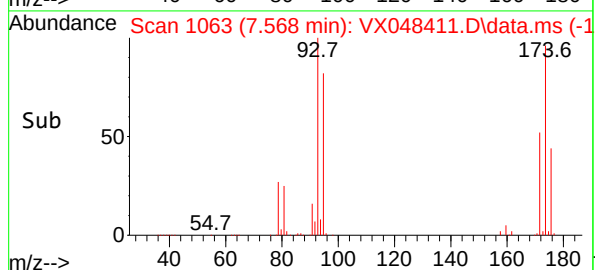
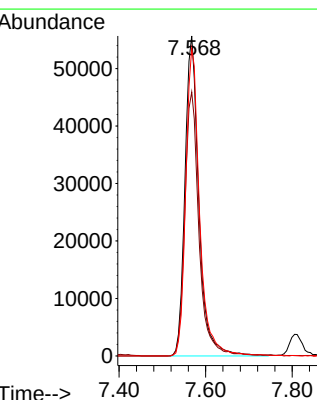
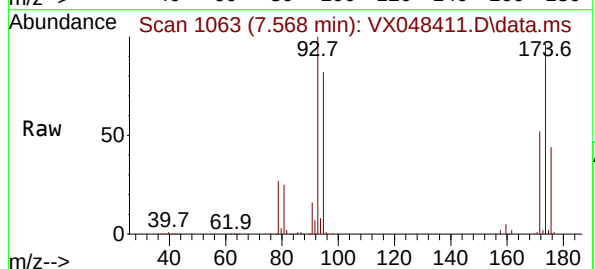
Tgt Ion: 93 Resp: 123914

Ion Ratio Lower Upper

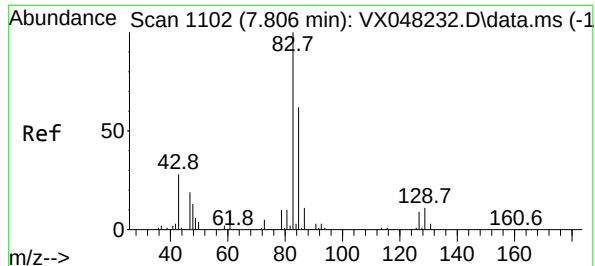
93 100

95 83.6 65.9 98.9

174 95.9 71.7 107.5







#47

Bromodichloromethane

Concen: 99.708 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 256800

Ion Ratio Lower Upper

83 100

85 63.2 52.2 78.4

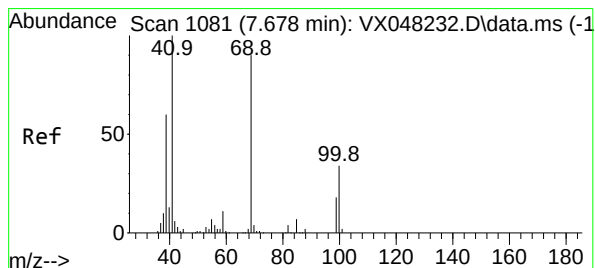
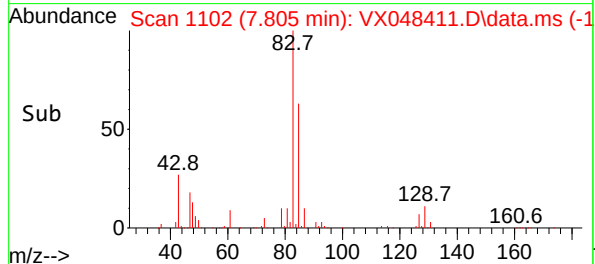
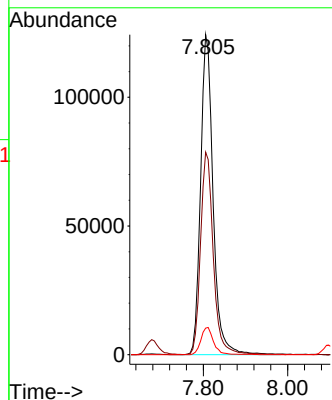
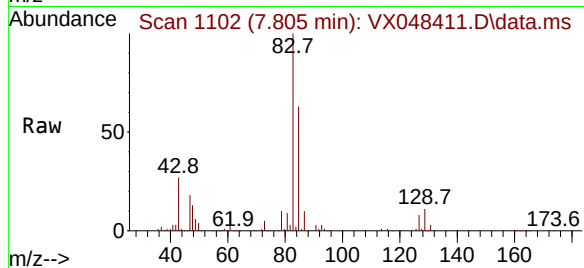
127 8.3 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#48

Methyl methacrylate

Concen: 109.801 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

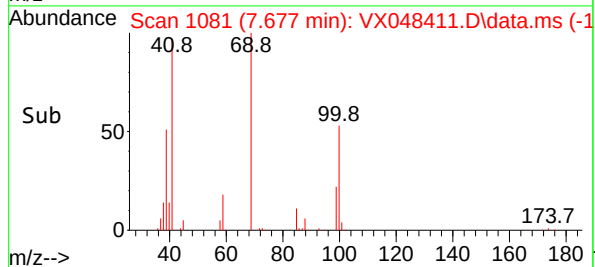
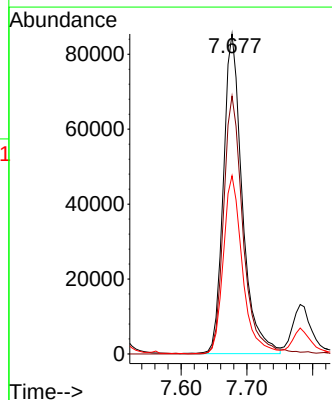
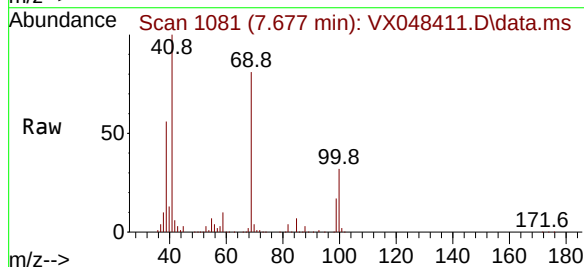
Tgt Ion: 41 Resp: 170938

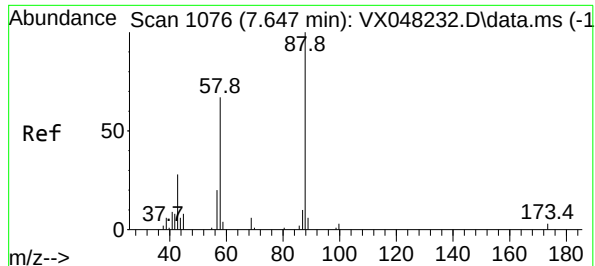
Ion Ratio Lower Upper

41 100

69 83.2 63.4 95.0

39 56.1 47.1 70.7





#49

1,4-Dioxane

Concen: 2242.121 ug/l

RT: 7.647 min Scan# 1076

Delta R.T. 0.006 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

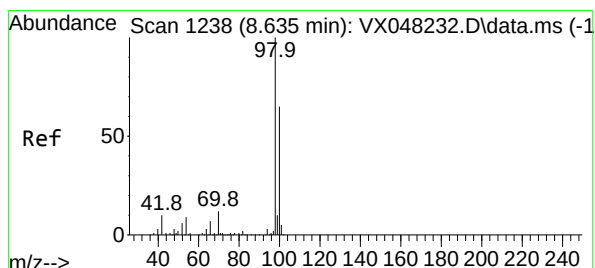
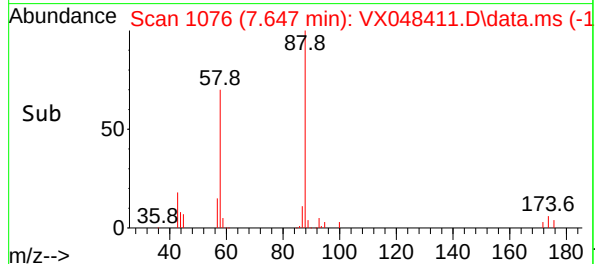
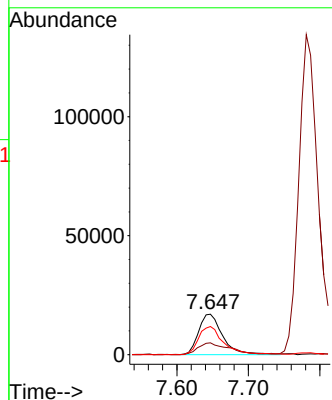
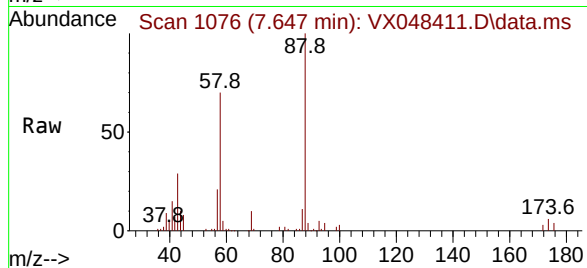
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 39674 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 37.8  | 35.0  | 52.4  |
| 58       | 73.2  | 61.9  | 92.9  |

## Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#50

Toluene-d8

Concen: 95.926 ug/l

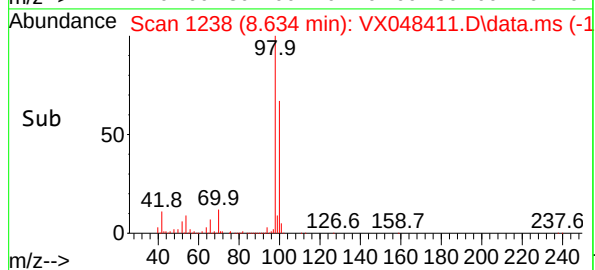
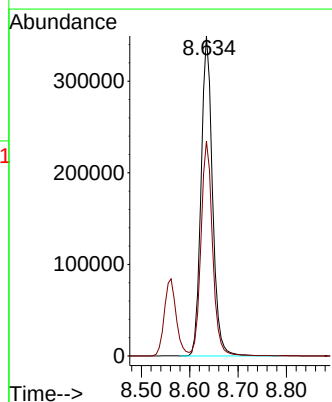
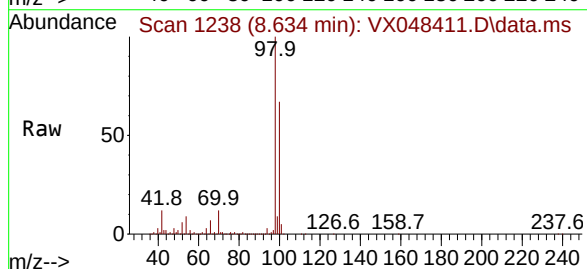
RT: 8.634 min Scan# 1238

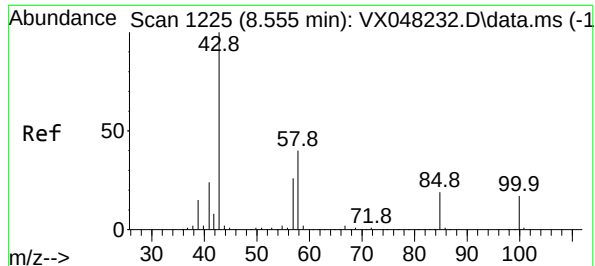
Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 572267 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 68.4  | 53.0  | 79.4   |





#51

4-Methyl-2-Pentanone

Concen: 521.185 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 92596

Ion Ratio Lower Upper

43 100

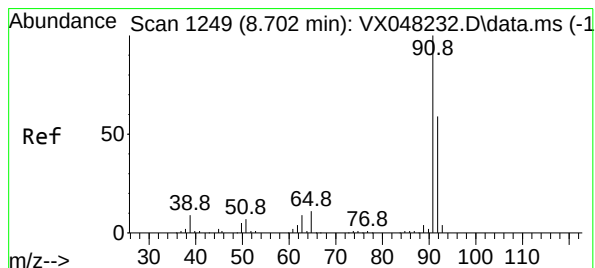
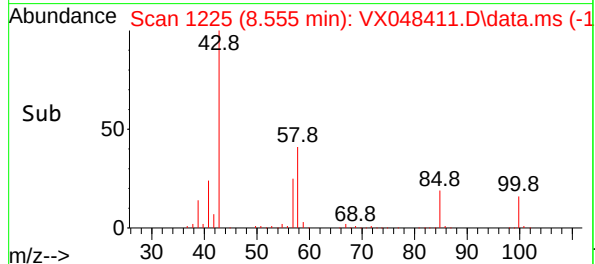
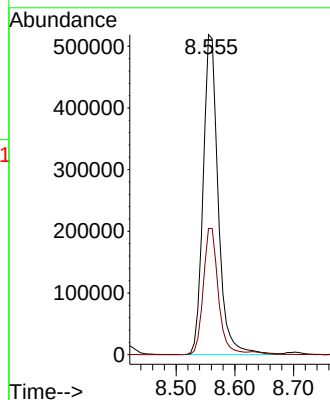
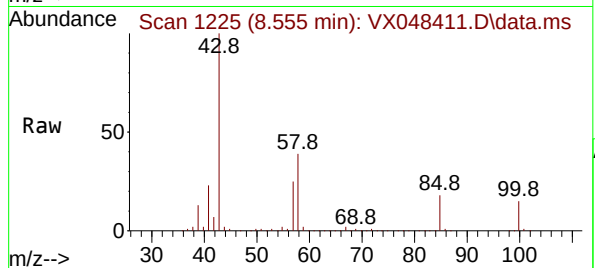
58 39.4 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#52

Toluene

Concen: 100.021 ug/l

RT: 8.702 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VX048411.D

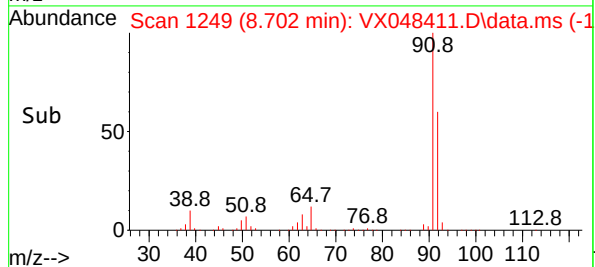
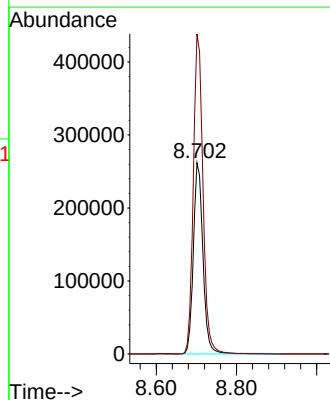
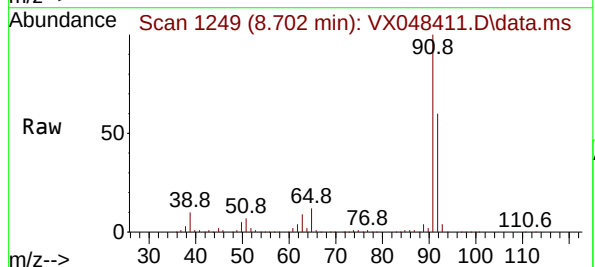
Acq: 29 Oct 2025 12:43

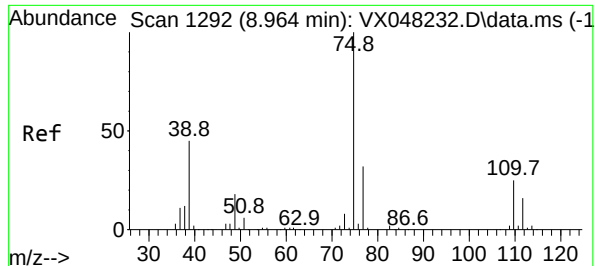
Tgt Ion: 92 Resp: 433330

Ion Ratio Lower Upper

92 100

91 169.4 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 101.798 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 23764

Ion Ratio Lower Upper

75 100

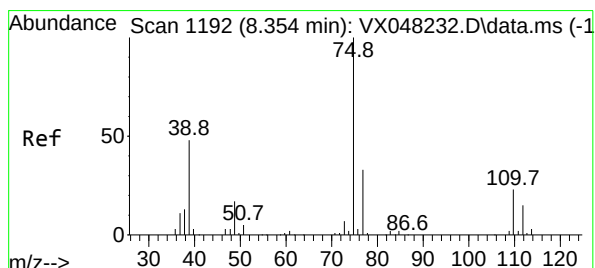
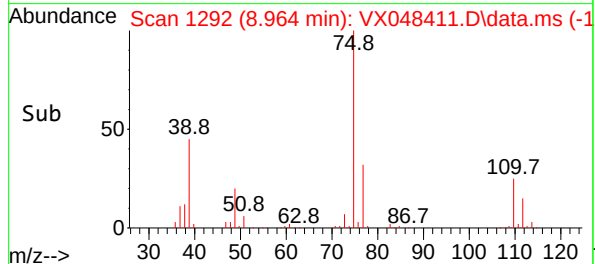
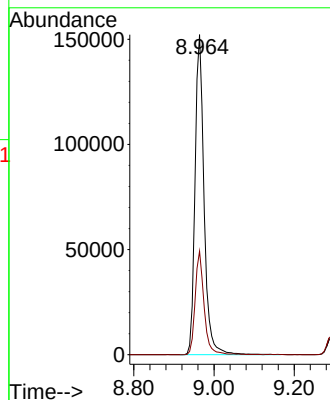
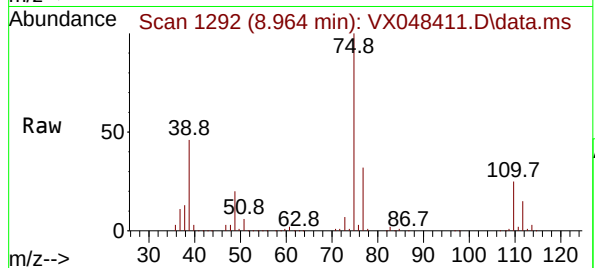
77 32.4 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#54

cis-1,3-Dichloropropene

Concen: 98.341 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

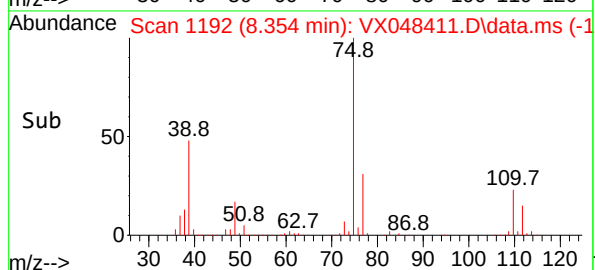
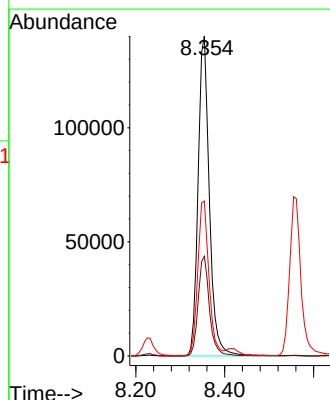
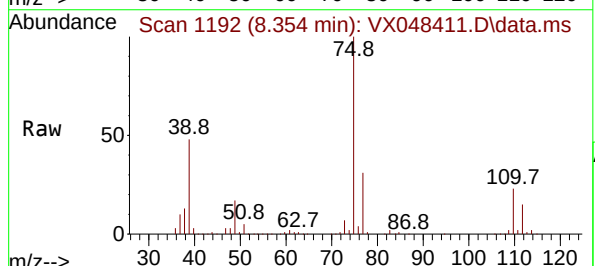
Tgt Ion: 75 Resp: 247342

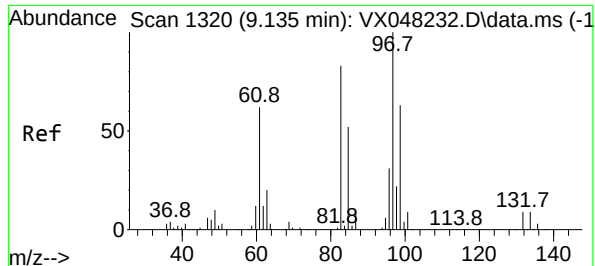
Ion Ratio Lower Upper

75 100

77 31.2 24.9 37.3

39 47.9 42.6 64.0





#55

1,1,2-Trichloroethane

Concen: 100.765 ug/l

RT: 9.134 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 15798

Ion Ratio Lower Upper

97 100

83 87.5 70.6 105.8

85 55.5 45.0 67.6

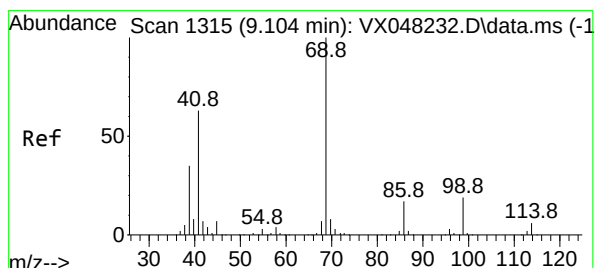
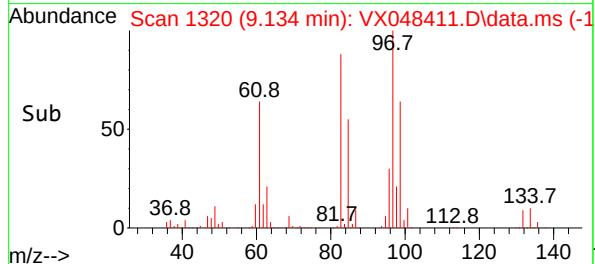
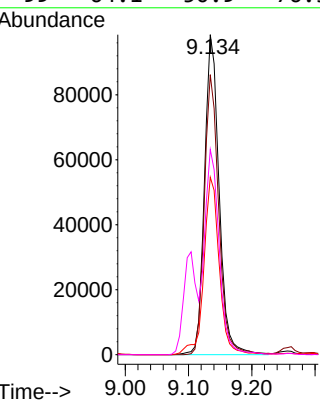
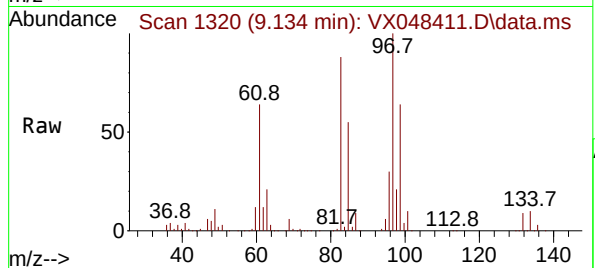
99 64.1 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#56

Ethyl methacrylate

Concen: 110.060 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

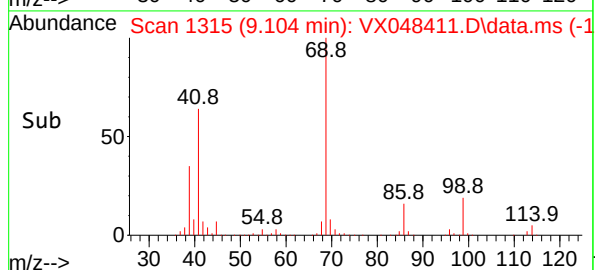
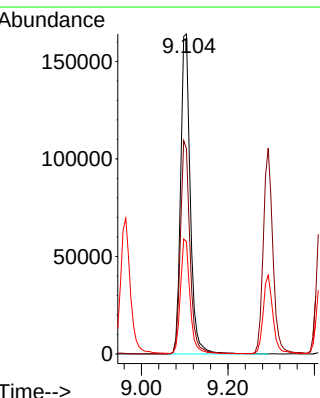
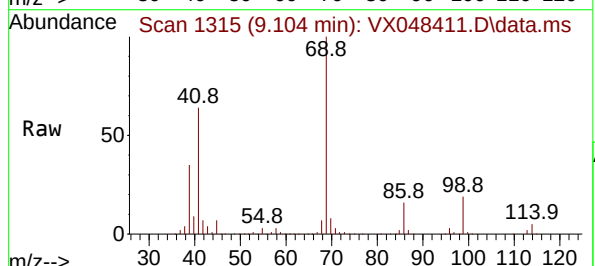
Tgt Ion: 69 Resp: 252667

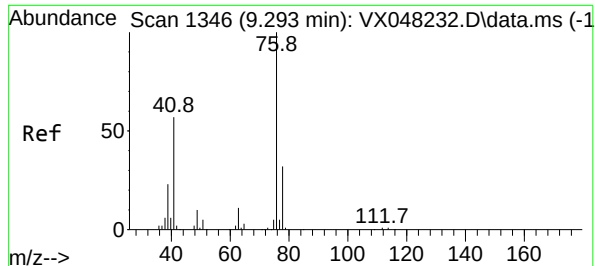
Ion Ratio Lower Upper

69 100

41 66.2 56.0 84.0

39 35.8 31.6 47.4





#57

1,3-Dichloropropane

Concen: 100.095 ug/l

RT: 9.293 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 272104

Ion Ratio Lower Upper

76 100

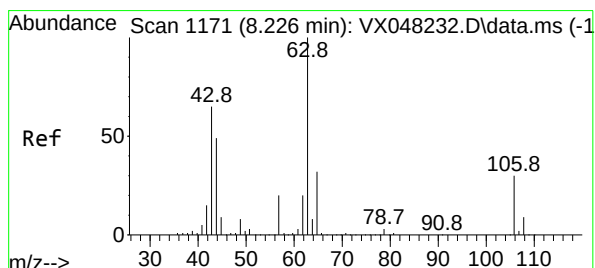
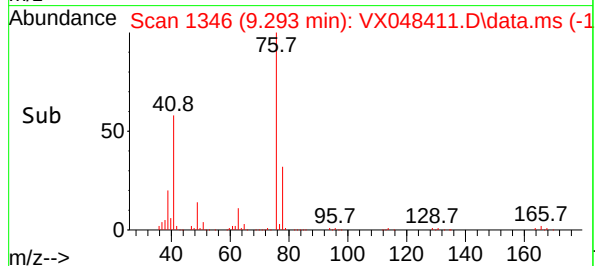
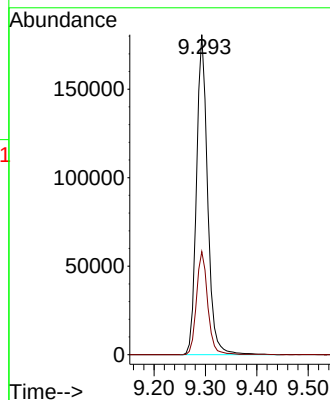
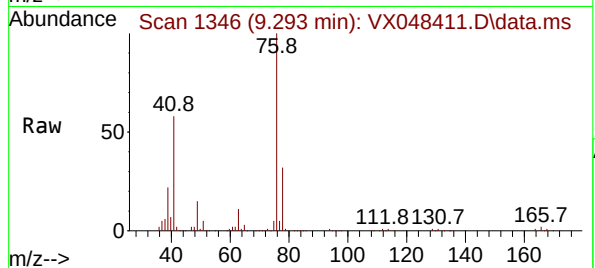
78 32.5 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#58

2-Chloroethyl Vinyl ether

Concen: 478.417 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX048411.D

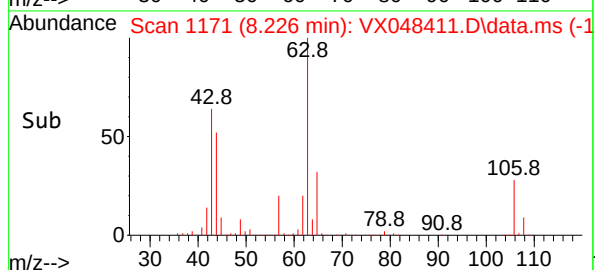
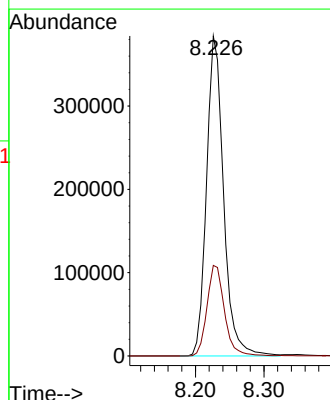
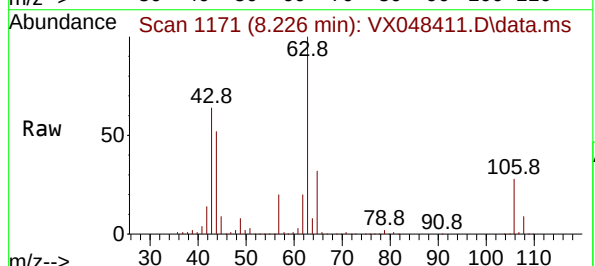
Acq: 29 Oct 2025 12:43

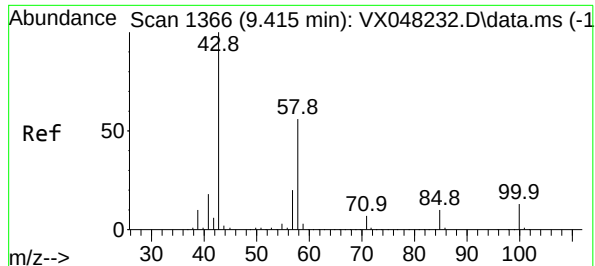
Tgt Ion: 63 Resp: 666222

Ion Ratio Lower Upper

63 100

106 29.1 22.2 33.2





#59

2-Hexanone

Concen: 541.437 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 625915

Ion Ratio Lower Upper

43 100

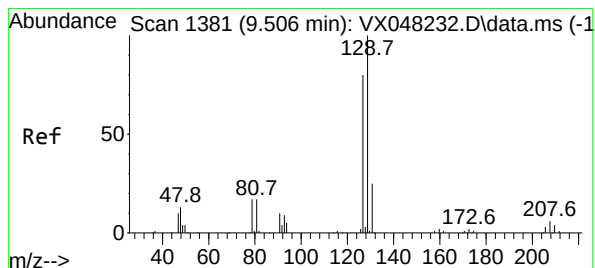
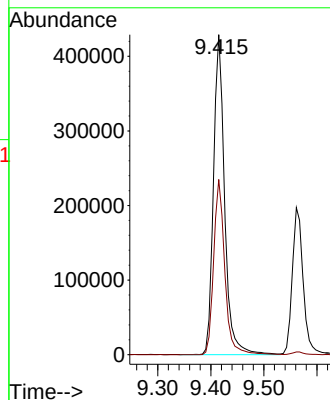
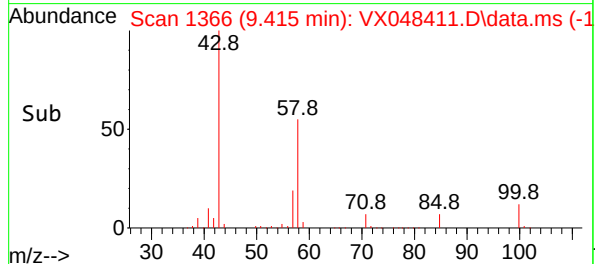
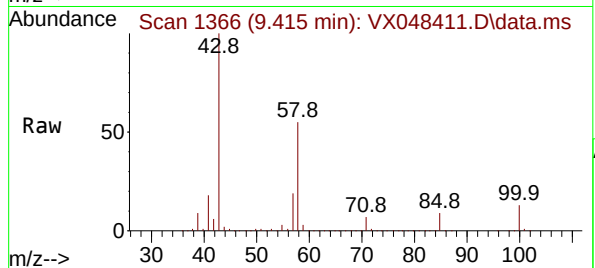
58 54.7 26.3 78.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#60

Dibromochloromethane

Concen: 100.712 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX048411.D

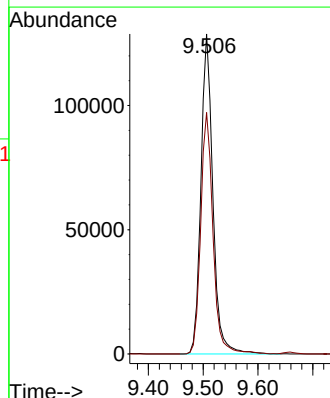
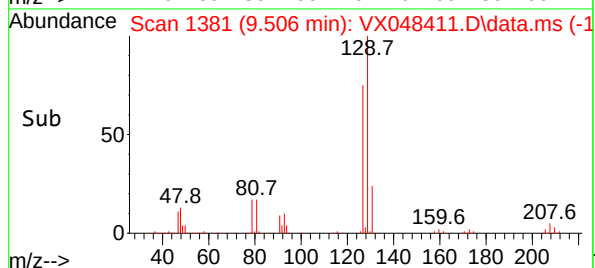
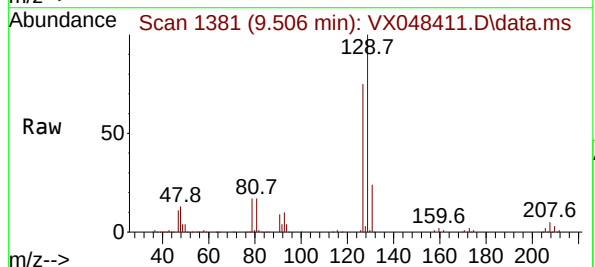
Acq: 29 Oct 2025 12:43

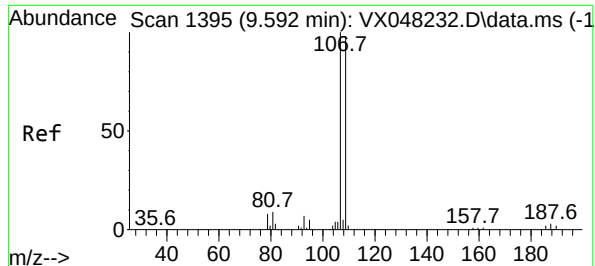
Tgt Ion:129 Resp: 195285

Ion Ratio Lower Upper

129 100

127 77.8 38.6 115.7





#61

1,2-Dibromoethane

Concen: 101.951 ug/l

RT: 9.592 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:107 Resp: 165360

Ion Ratio Lower Upper

107 100

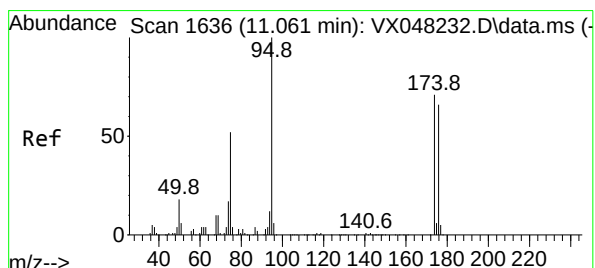
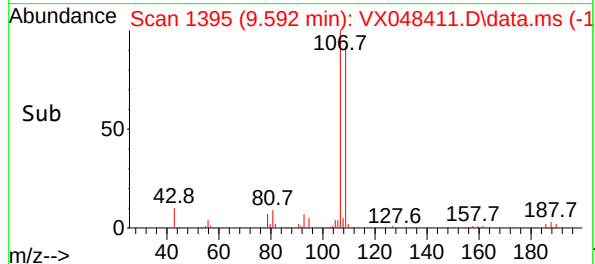
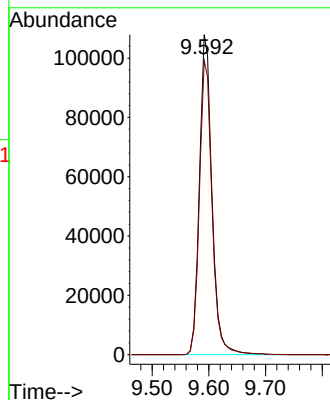
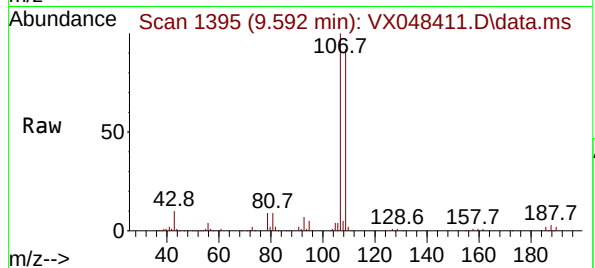
109 93.0 77.0 115.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#62

4-Bromofluorobenzene

Concen: 95.278 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

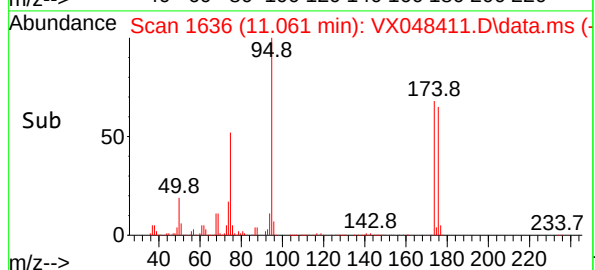
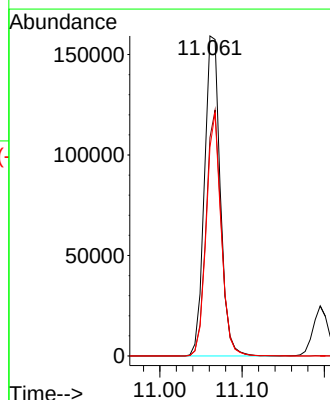
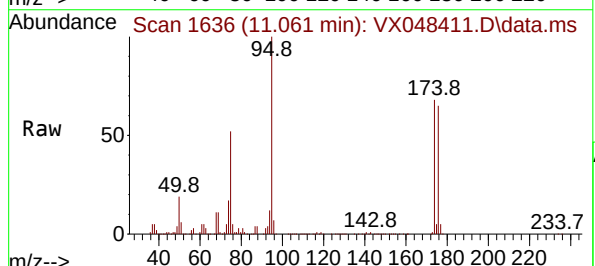
Tgt Ion: 95 Resp: 212629

Ion Ratio Lower Upper

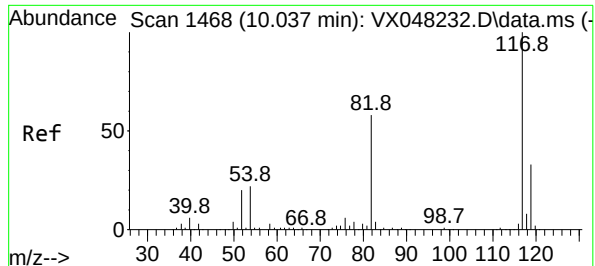
95 100

174 73.7 0.0 147.8

176 71.4 0.0 142.8







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

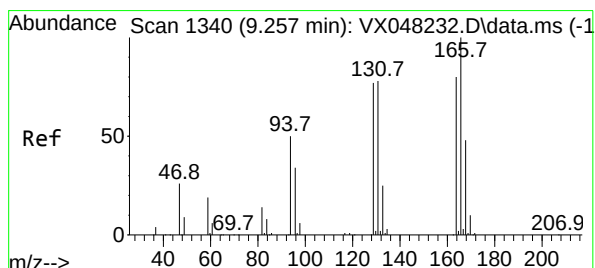
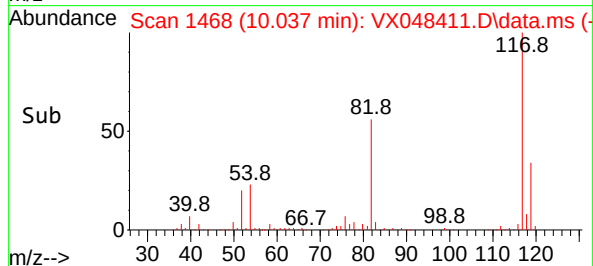
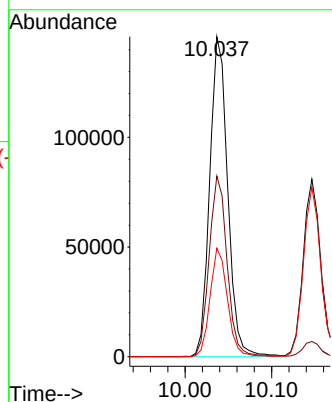
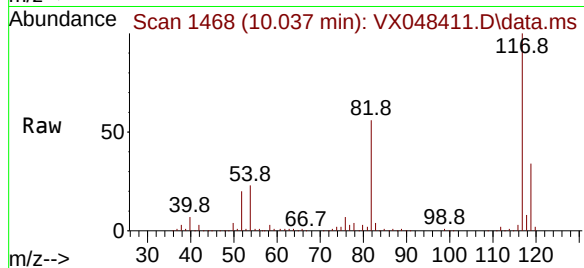
VSTDICC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 210324 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.2  | 46.5  | 69.7   |
| 119      | 33.9  | 25.9  | 38.9   |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#64

Tetrachloroethene

Concen: 93.397 ug/l

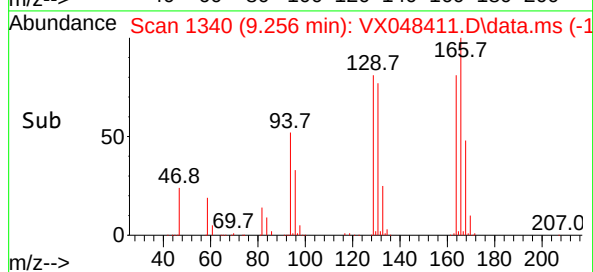
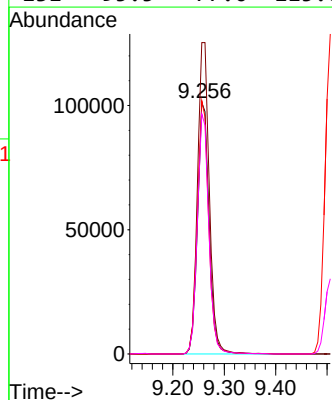
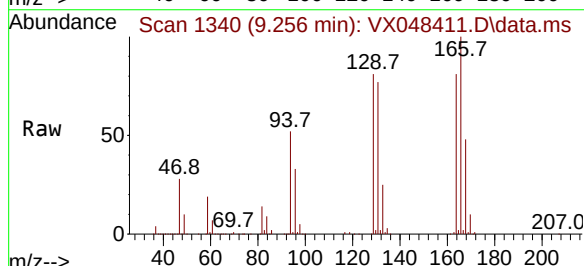
RT: 9.256 min Scan# 1340

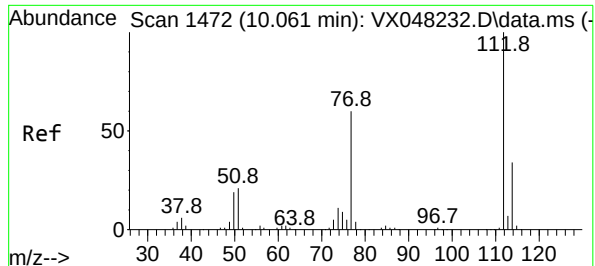
Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 158194 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 166      | 123.8 | 104.5 | 156.7  |
| 129      | 100.8 | 81.8  | 122.6  |
| 131      | 95.5  | 77.0  | 115.6  |





#65

Chlorobenzene

Concen: 100.215 ug/l

RT: 10.061 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:112 Resp: 48558

Ion Ratio Lower Upper

112 100

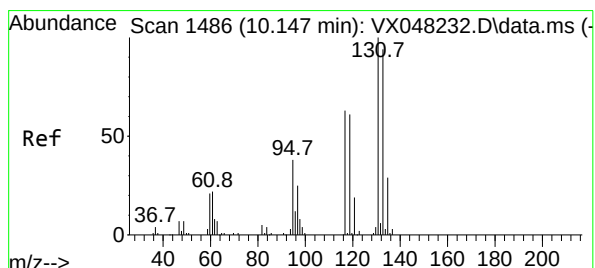
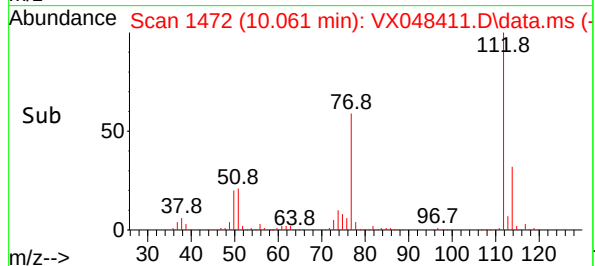
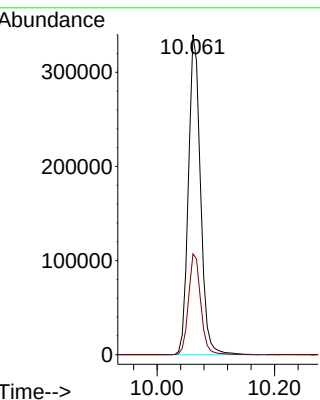
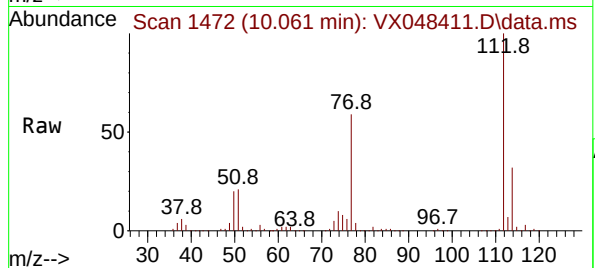
114 31.5 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 103.125 ug/l

RT: 10.146 min Scan# 1486

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

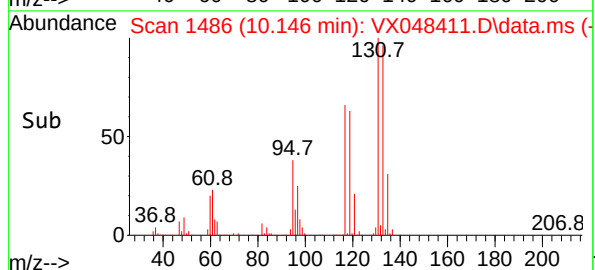
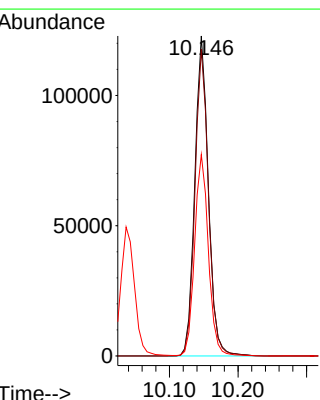
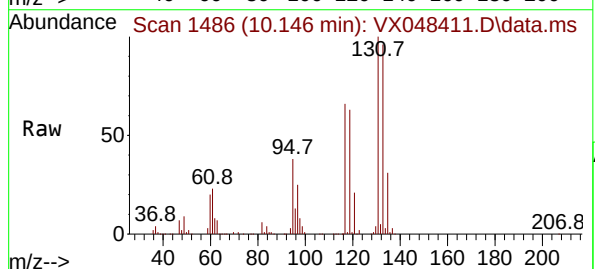
Tgt Ion:131 Resp: 169971

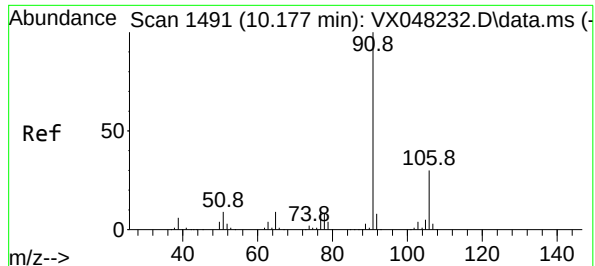
Ion Ratio Lower Upper

131 100

133 95.1 47.6 142.8

119 63.8 32.5 97.5





#67

Ethyl Benzene

Concen: 100.581 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 820580

Ion Ratio Lower Upper

91 100

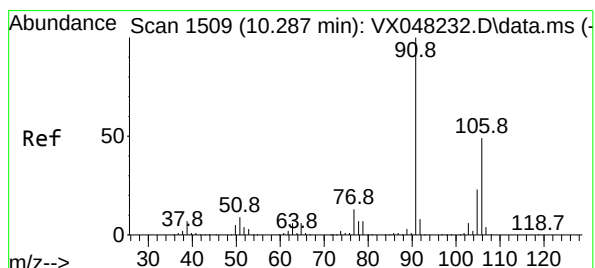
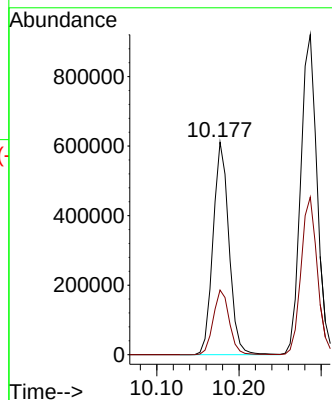
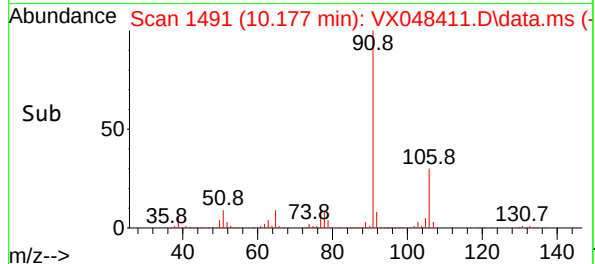
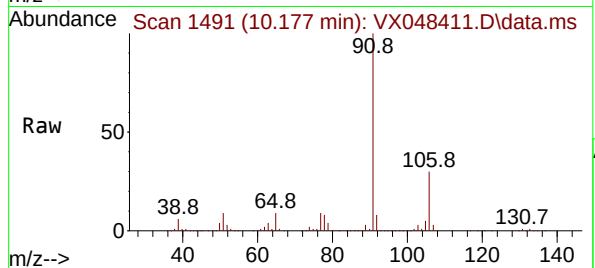
106 30.4 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#68

m/p-Xylenes

Concen: 202.737 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX048411.D

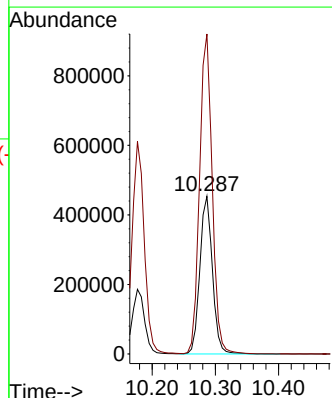
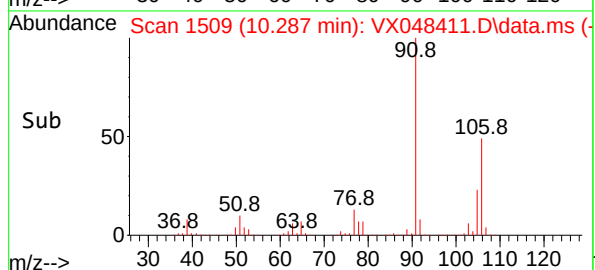
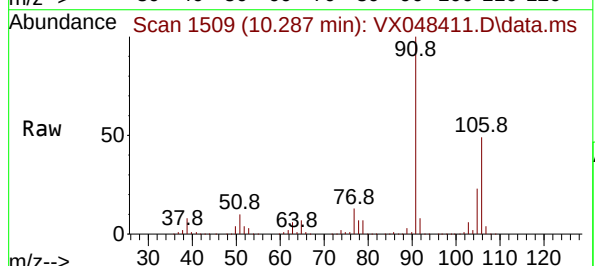
Acq: 29 Oct 2025 12:43

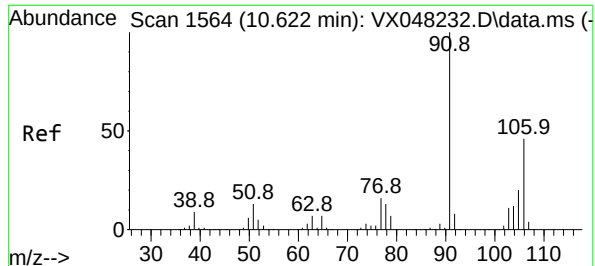
Tgt Ion:106 Resp: 626265

Ion Ratio Lower Upper

106 100

91 204.8 167.9 251.9





#69

o-Xylene

Concen: 102.675 ug/l

RT: 10.628 min Scan# 1564

Delta R.T. 0.006 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:106 Resp: 303085

Ion Ratio Lower Upper

106 100

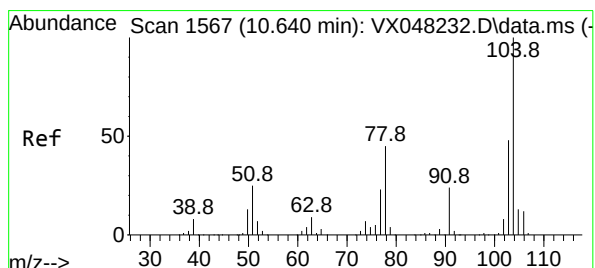
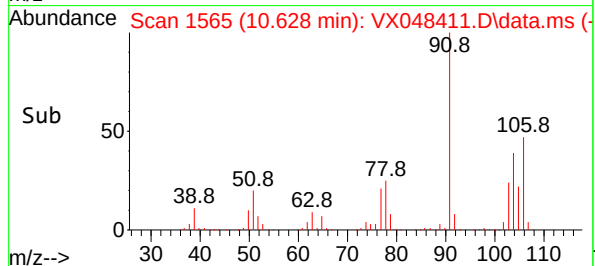
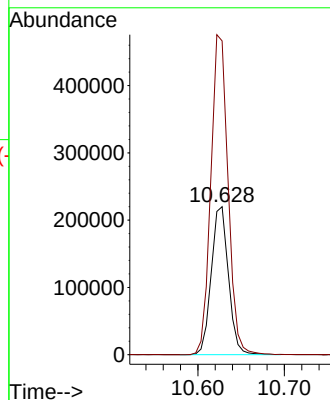
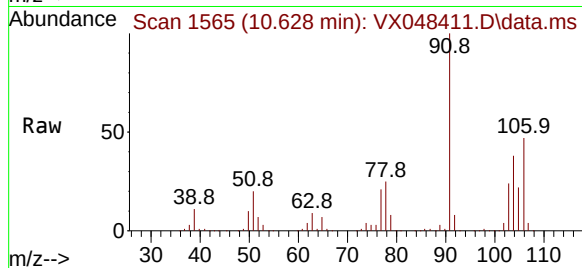
91 217.2 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#70

Styrene

Concen: 104.884 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

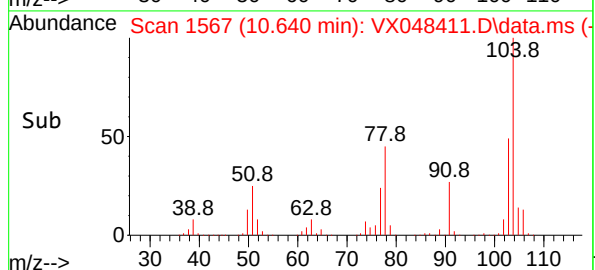
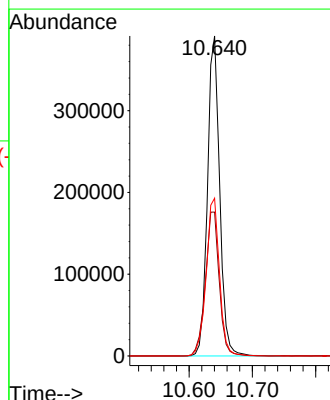
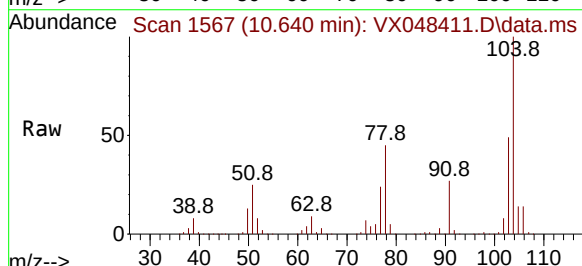
Tgt Ion:104 Resp: 524485

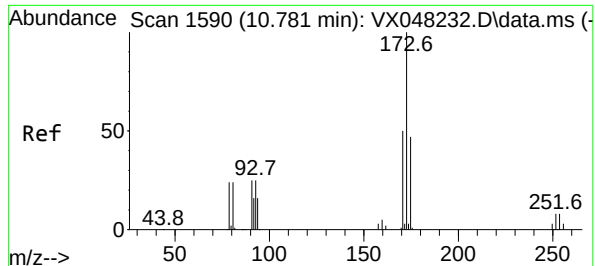
Ion Ratio Lower Upper

104 100

78 51.3 42.2 63.4

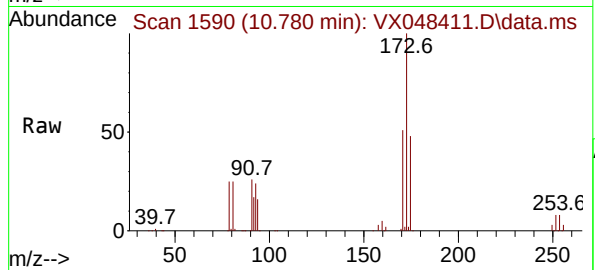
103 53.9 43.0 64.4





#71  
Bromoform  
Concen: 105.343 ug/l  
RT: 10.780 min Scan# 1590  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

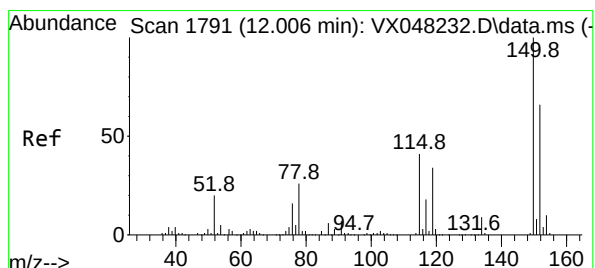
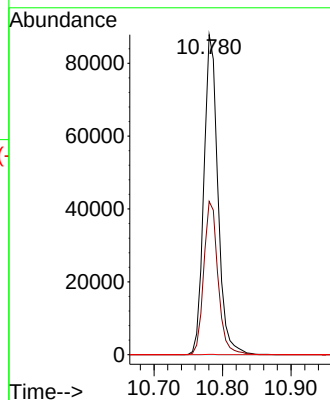
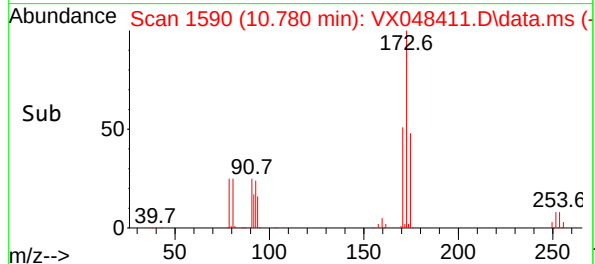
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion:173 Resp: 125602  
Ion Ratio Lower Upper  
173 100  
175 48.5 24.0 72.0  
254 0.1 0.0 0.0

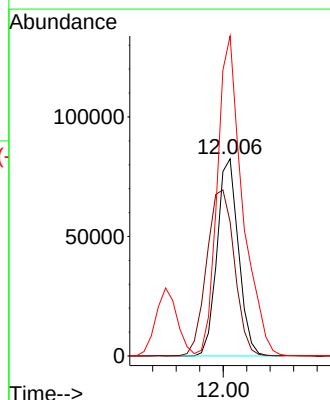
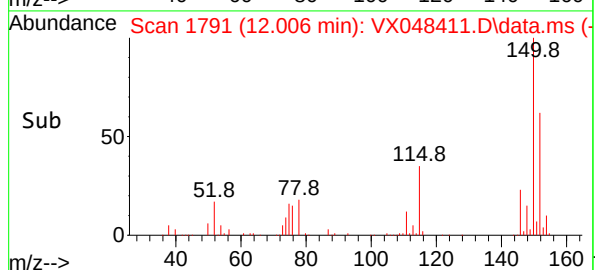
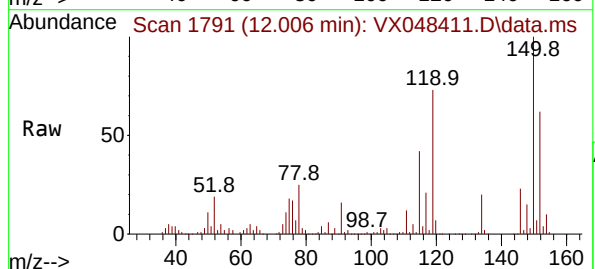
Manual Integrations  
APPROVED

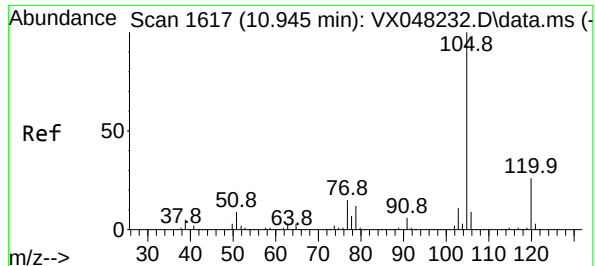
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

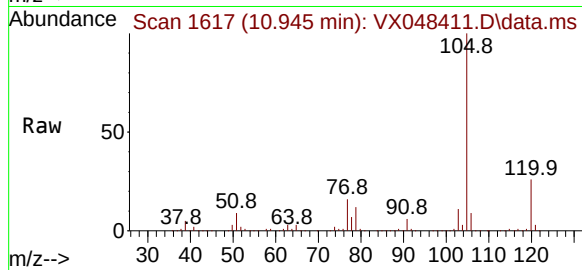
Tgt Ion:152 Resp: 104326  
Ion Ratio Lower Upper  
152 100  
115 108.9 43.1 129.4  
150 191.2 0.0 353.0





#73  
Isopropylbenzene  
Concen: 100.054 ug/l  
RT: 10.945 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

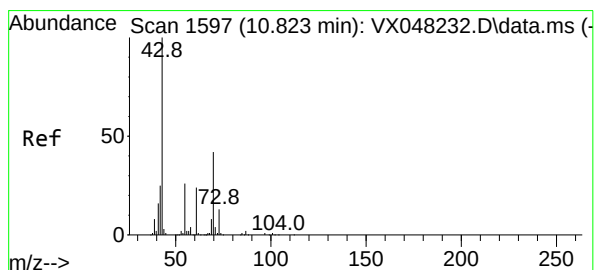
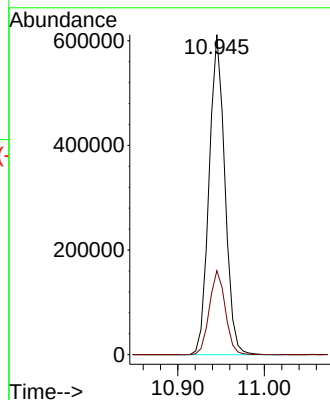
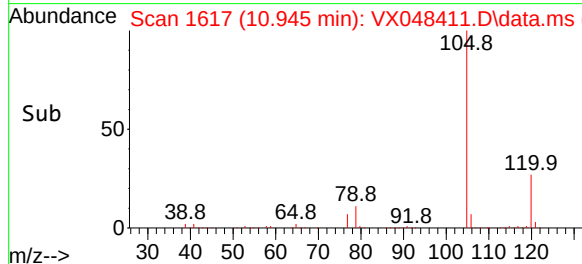
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion:105 Resp: 772060  
Ion Ratio Lower Upper  
105 100  
120 26.5 13.0 38.9

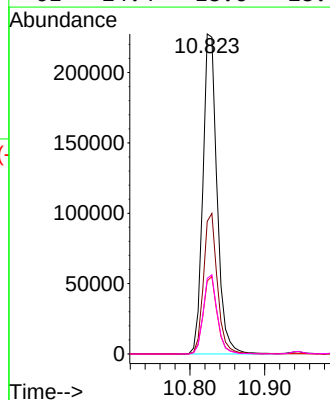
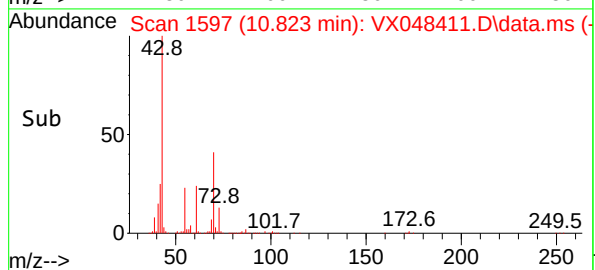
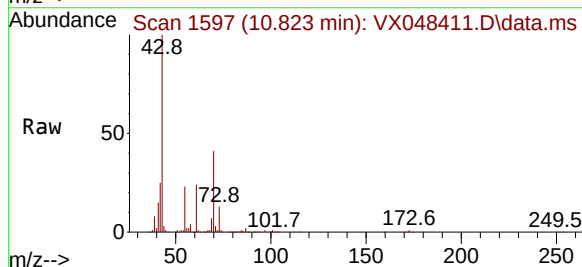
Manual Integrations  
APPROVED

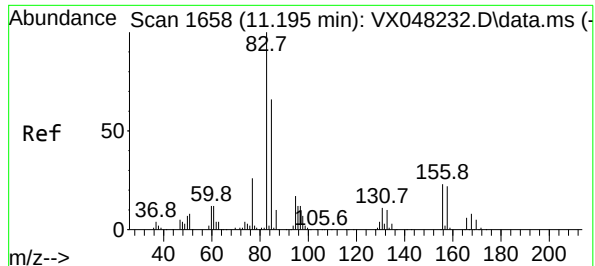
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#74  
N-ethyl acetate  
Concen: 108.827 ug/l  
RT: 10.823 min Scan# 1597  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Tgt Ion: 43 Resp: 299571  
Ion Ratio Lower Upper  
43 100  
70 43.0 32.2 48.2  
55 24.0 19.1 28.7  
61 24.4 18.6 28.0





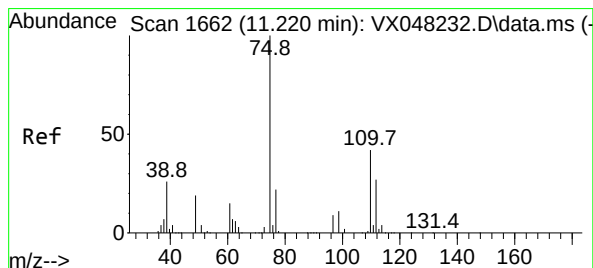
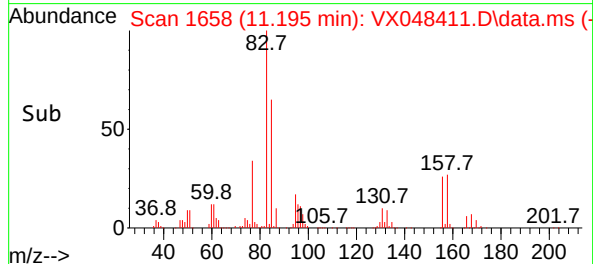
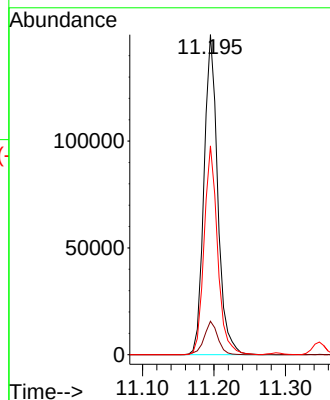
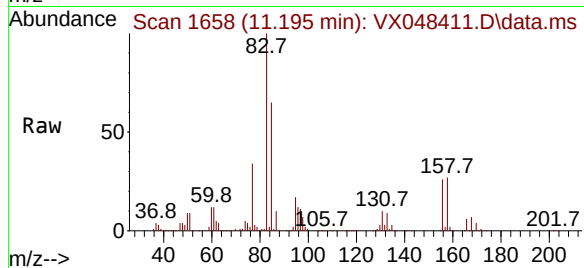
#75  
1,1,2,2-Tetrachloroethane  
Concen: 102.062 ug/l  
RT: 11.195 min Scan# 1658  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 83 Resp: 199484  
Ion Ratio Lower Upper  
83 100  
131 10.5 4.8 14.4  
85 64.2 31.9 95.7

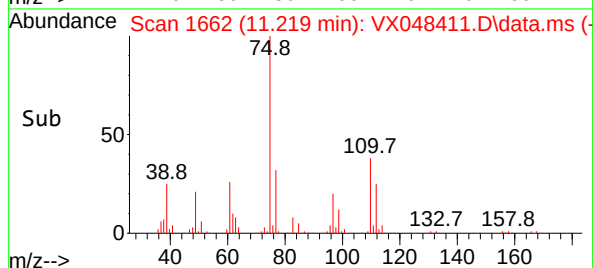
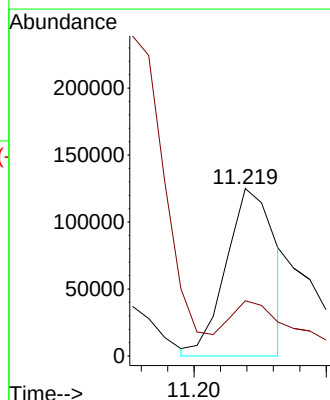
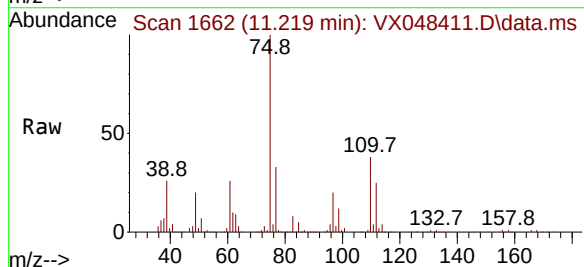
Manual Integrations  
APPROVED

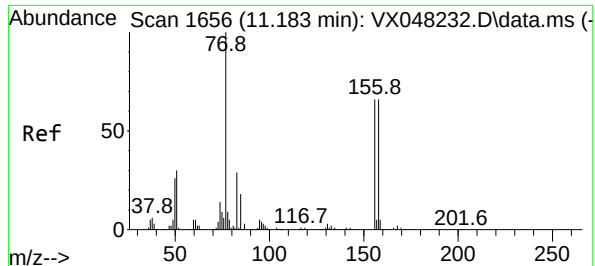
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#76  
1,2,3-Trichloropropane  
Concen: 98.087 ug/l m  
RT: 11.219 min Scan# 1662  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Tgt Ion: 75 Resp: 159600  
Ion Ratio Lower Upper  
75 100  
77 43.4 22.4 67.2





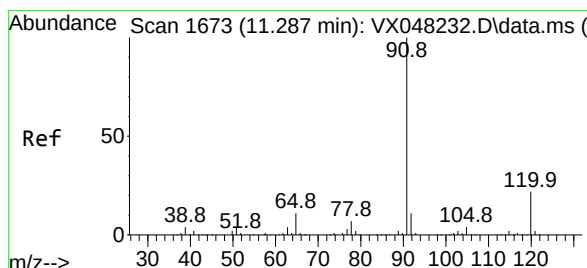
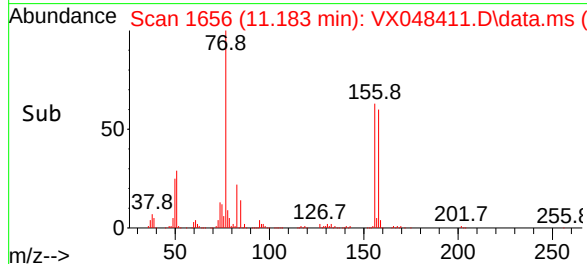
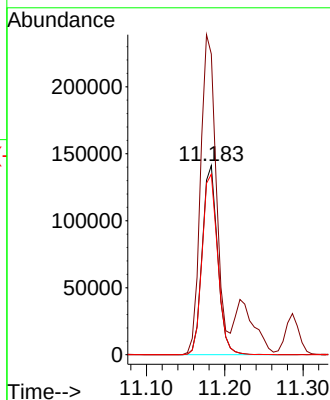
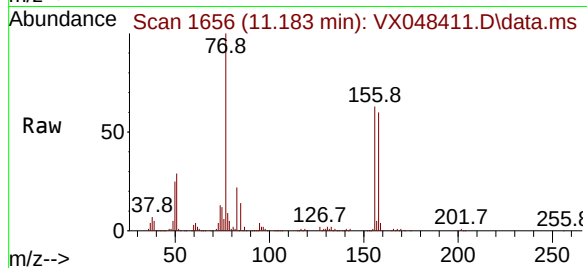
#77  
Bromobenzene  
Concen: 100.568 ug/l  
RT: 11.183 min Scan# 1656  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion:156 Resp: 19169  
Ion Ratio Lower Upper  
156 100  
77 174.0 87.0 261.0  
158 97.5 47.8 143.4

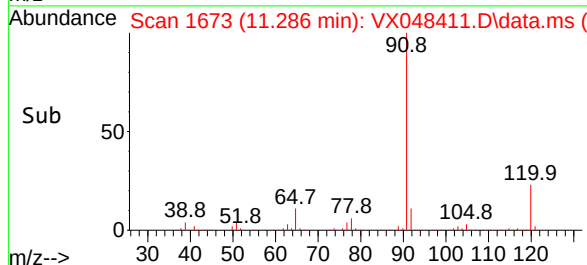
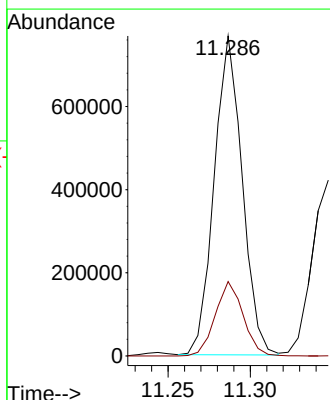
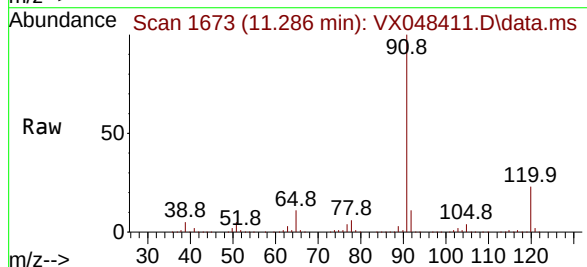
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

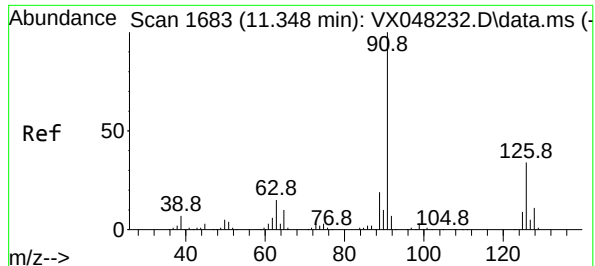


#78  
n-propylbenzene  
Concen: 99.564 ug/l  
RT: 11.286 min Scan# 1673  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Tgt Ion: 91 Resp: 908036  
Ion Ratio Lower Upper  
91 100  
120 23.2 11.1 33.1







#79

2-Chlorotoluene

Concen: 99.407 ug/l

RT: 11.347 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 544328

Ion Ratio Lower Upper

91 100

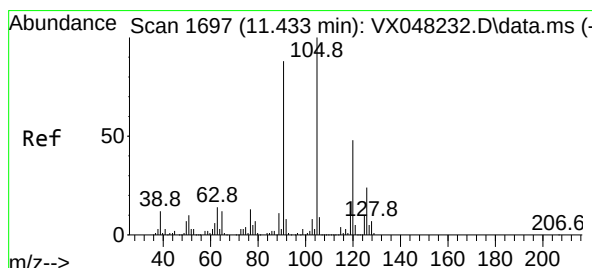
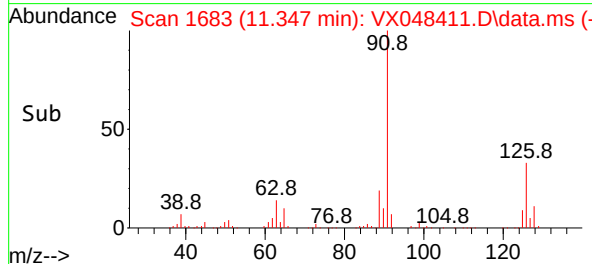
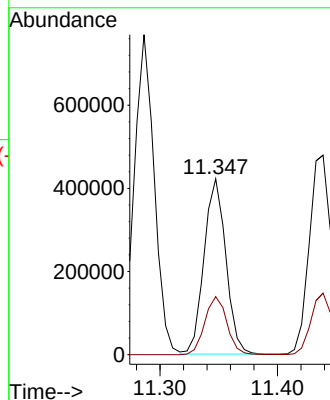
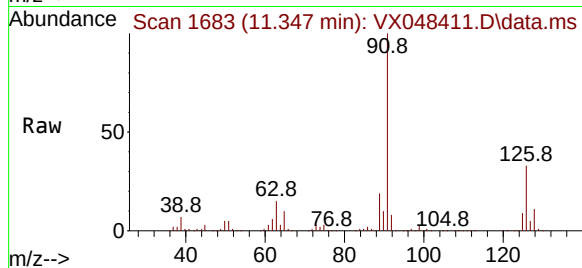
126 33.6 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#80

1,3,5-Trimethylbenzene

Concen: 101.097 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX048411.D

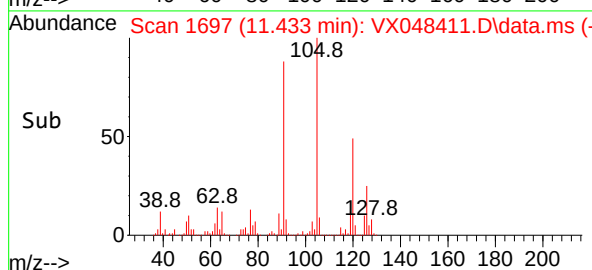
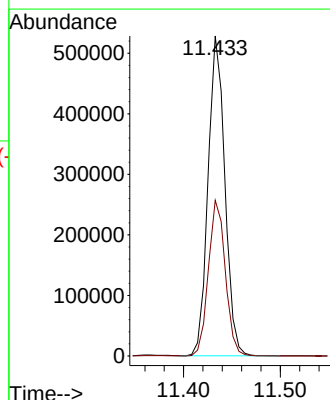
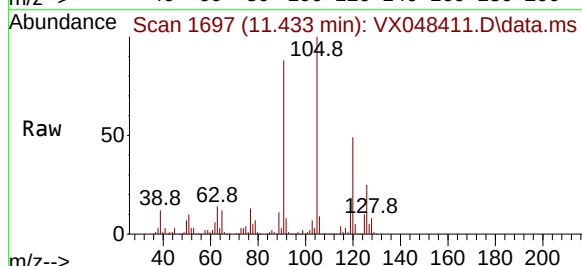
Acq: 29 Oct 2025 12:43

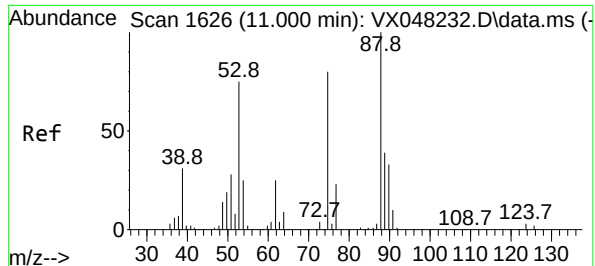
Tgt Ion:105 Resp: 639478

Ion Ratio Lower Upper

105 100

120 49.0 24.0 72.0





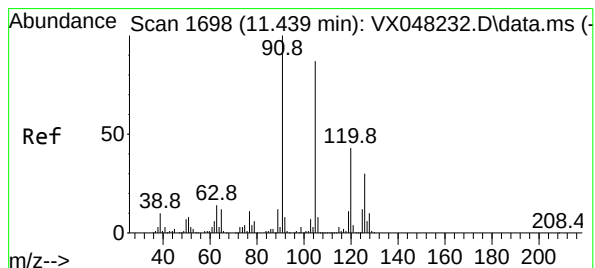
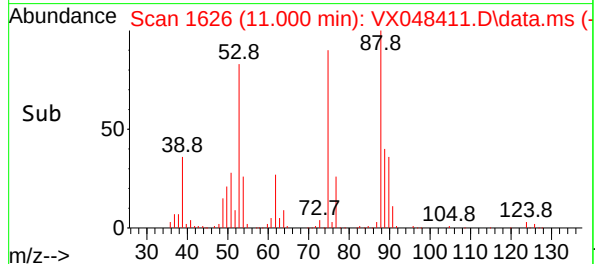
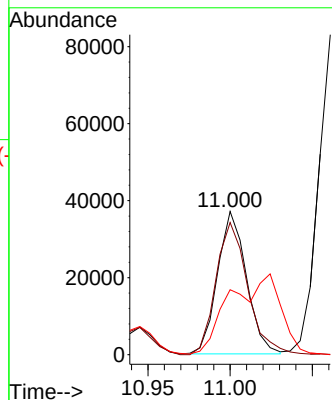
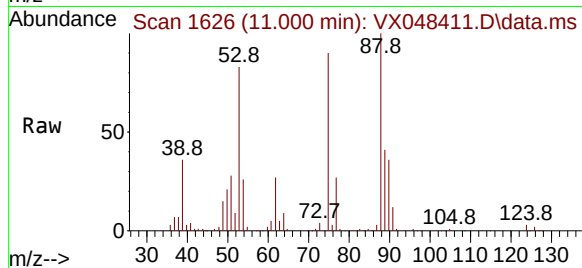
#81  
trans-1,4-Dichloro-2-butene  
Concen: 104.353 ug/l  
RT: 11.000 min Scan# 1626  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 75 Resp: 4524  
Ion Ratio Lower Upper  
75 100  
53 102.8 79.5 119.3  
89 0.0 36.8 55.2

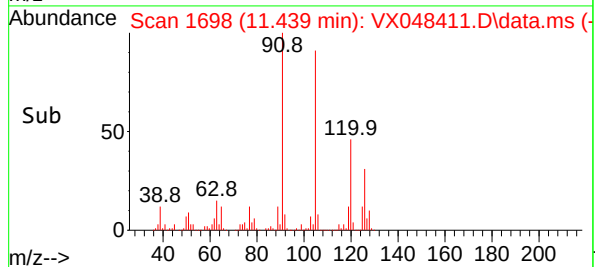
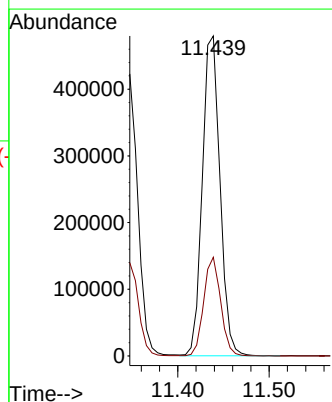
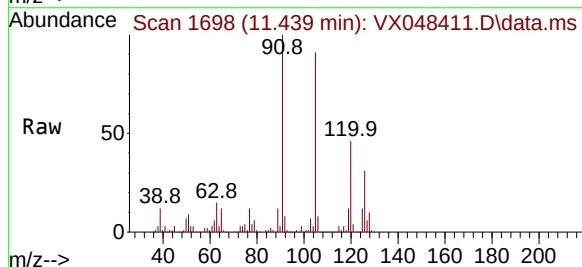
Manual Integrations  
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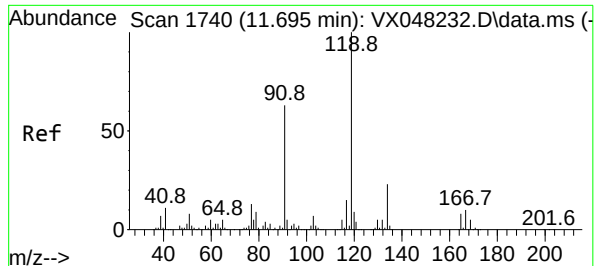
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#82  
4-Chlorotoluene  
Concen: 99.695 ug/l  
RT: 11.439 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Tgt Ion: 91 Resp: 641755  
Ion Ratio Lower Upper  
91 100  
126 29.7 14.1 42.4





#83

tert-Butylbenzene

Concen: 100.392 ug/l

RT: 11.695 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:119 Resp: 64648

Ion Ratio Lower Upper

119 100

91 58.4 30.3 91.0

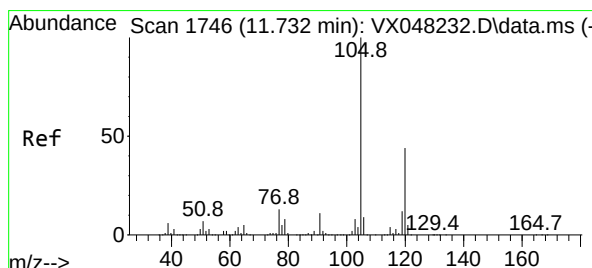
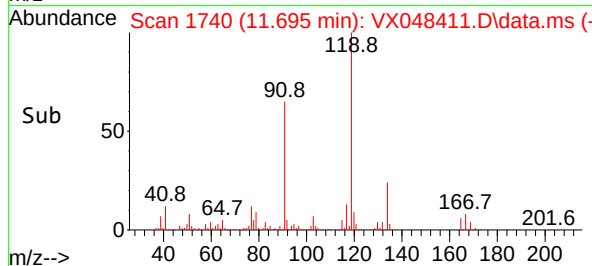
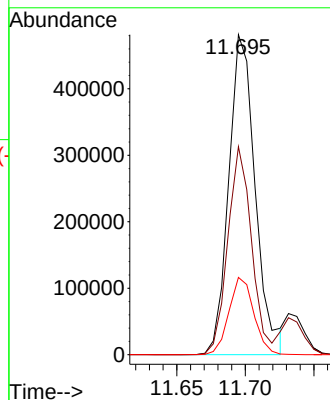
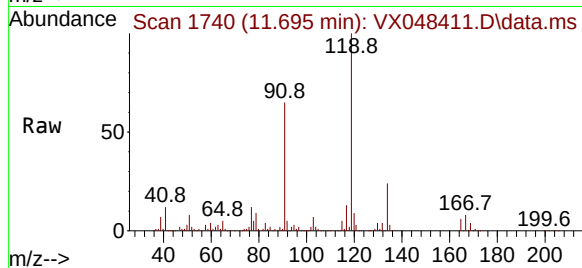
134 22.8 11.4 34.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#84

1,2,4-Trimethylbenzene

Concen: 102.686 ug/l

RT: 11.731 min Scan# 1746

Delta R.T. -0.000 min

Lab File: VX048411.D

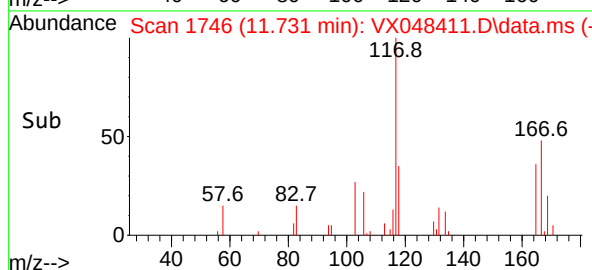
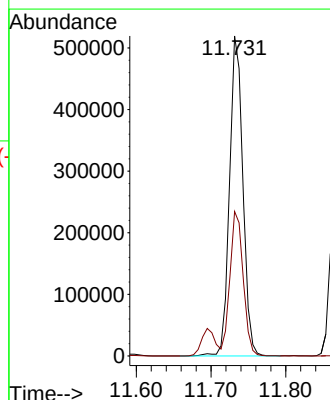
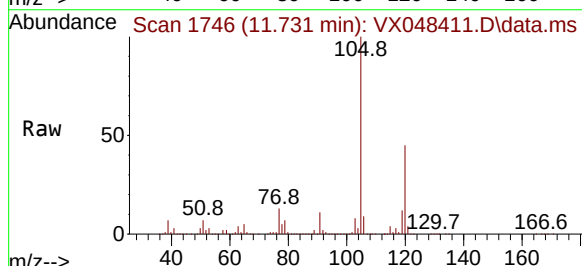
Acq: 29 Oct 2025 12:43

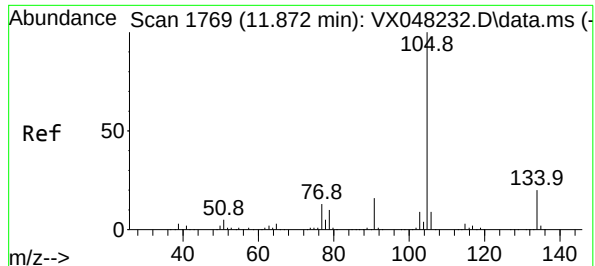
Tgt Ion:105 Resp: 643122

Ion Ratio Lower Upper

105 100

120 44.9 22.1 66.5





#85

sec-Butylbenzene

Concen: 98.644 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 79150

Ion Ratio Lower Upper

105 100

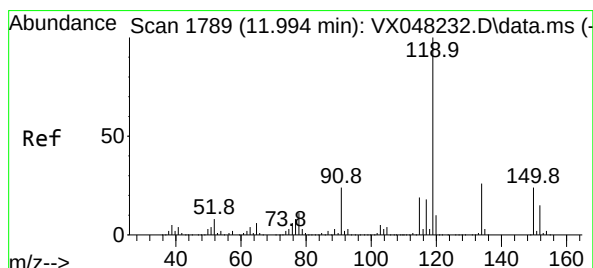
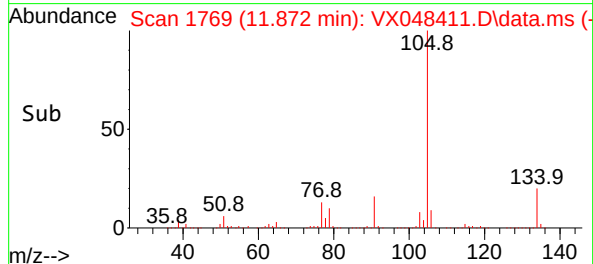
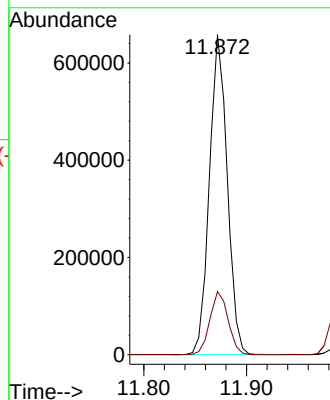
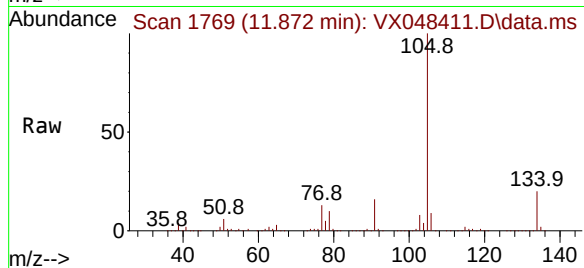
134 20.2 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#86

p-Isopropyltoluene

Concen: 100.170 ug/l

RT: 11.994 min Scan# 1789

Delta R.T. 0.006 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

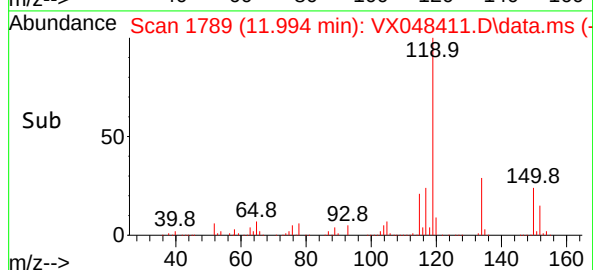
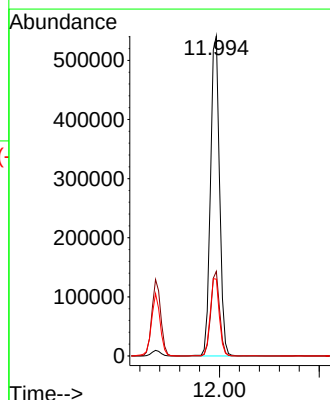
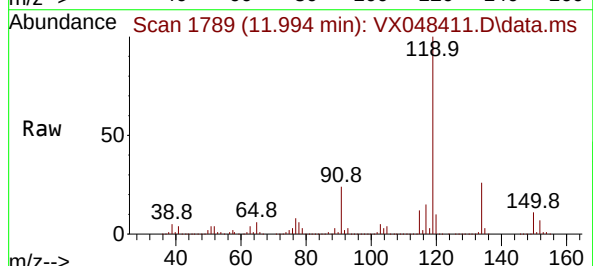
Tgt Ion:119 Resp: 679495

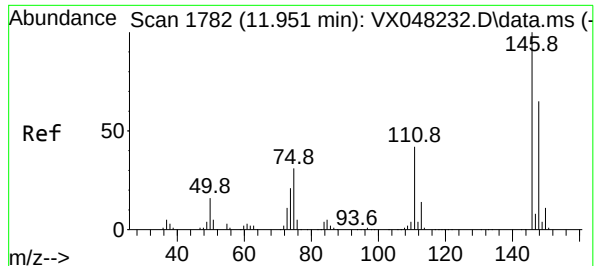
Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 24.4 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 95.499 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 34764

Ion Ratio Lower Upper

146 100

111 42.2 20.4 61.2

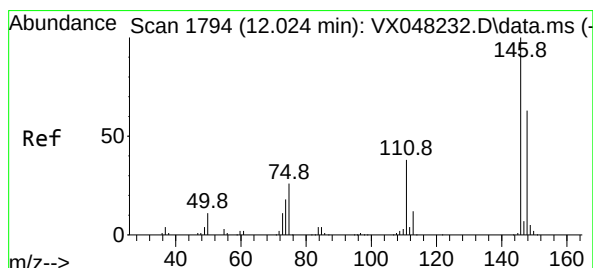
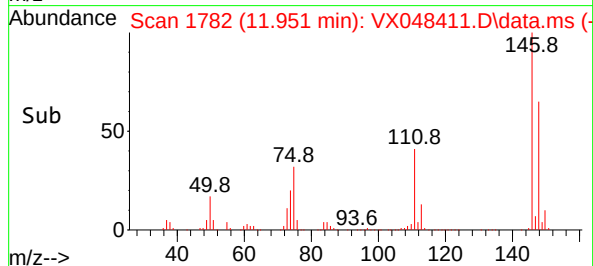
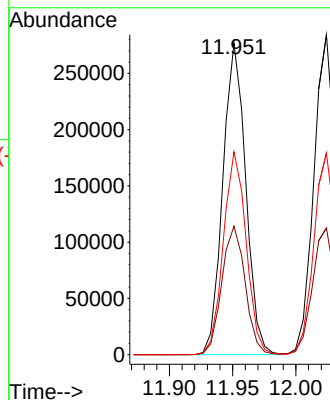
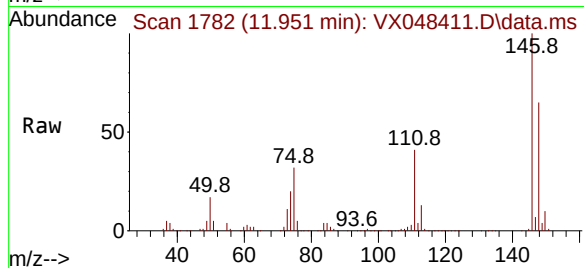
148 65.0 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#88

1,4-Dichlorobenzene

Concen: 94.761 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

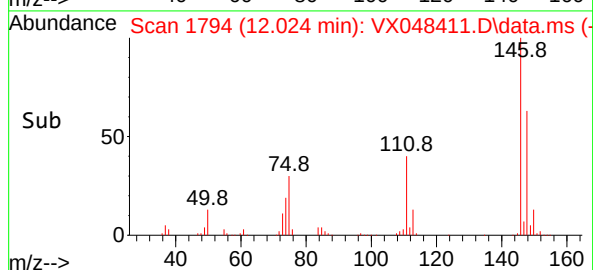
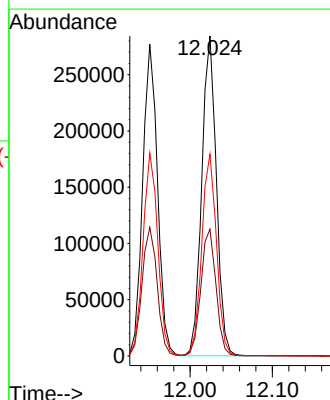
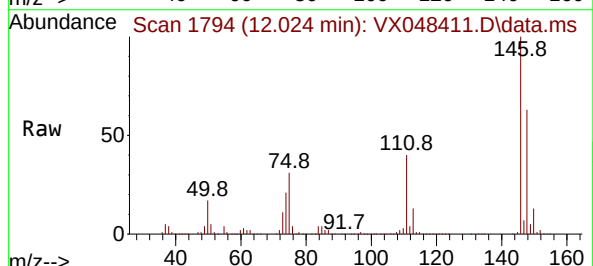
Tgt Ion:146 Resp: 351340

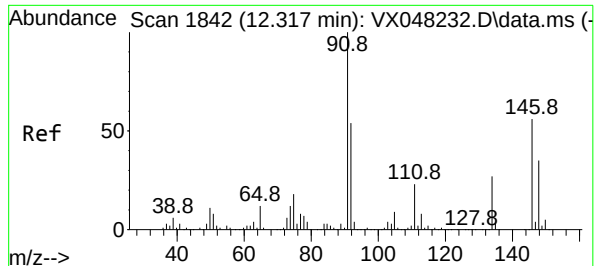
Ion Ratio Lower Upper

146 100

111 40.9 20.1 60.2

148 63.7 31.8 95.3





#89

n-Butylbenzene

Concen: 98.374 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 62653

Ion Ratio Lower Upper

91 100

92 55.0 26.9 80.6

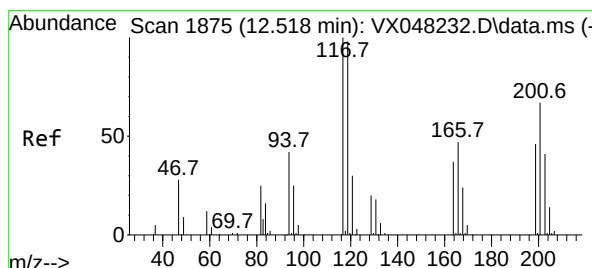
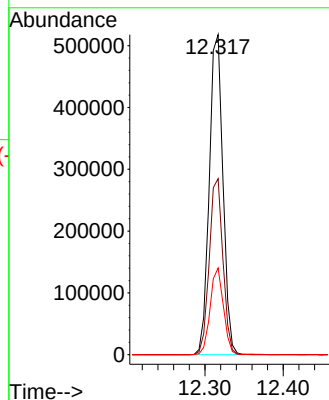
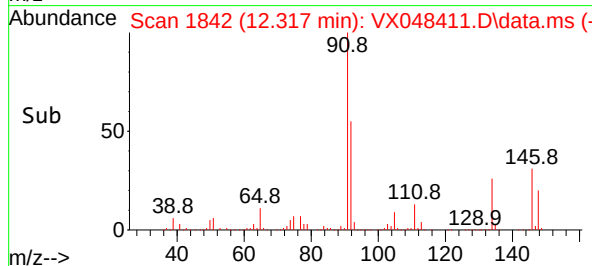
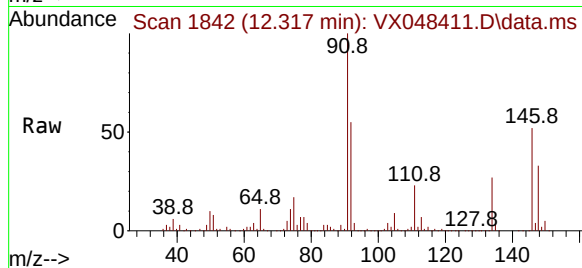
134 26.2 12.7 38.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#90

Hexachloroethane

Concen: 103.167 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX048411.D

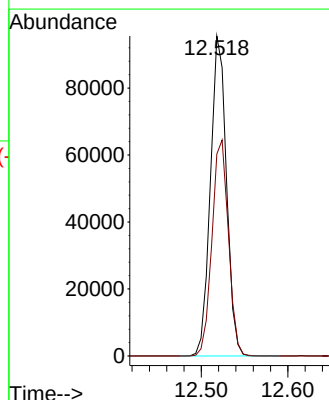
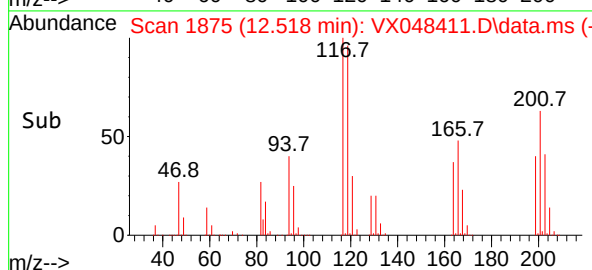
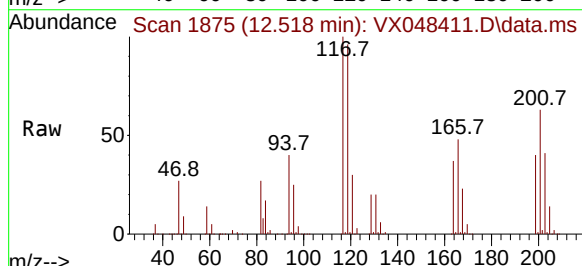
Acq: 29 Oct 2025 12:43

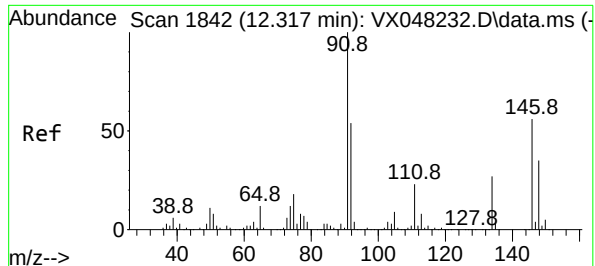
Tgt Ion:117 Resp: 122970

Ion Ratio Lower Upper

117 100

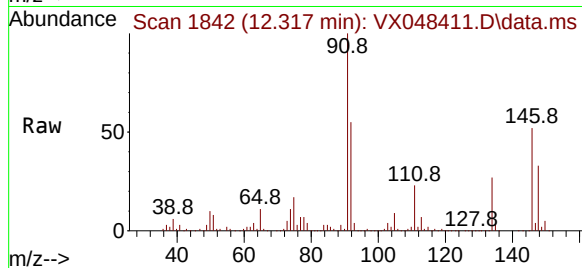
201 69.2 34.1 102.2





#91  
1,2-Dichlorobenzene  
Concen: 99.415 ug/l  
RT: 12.317 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

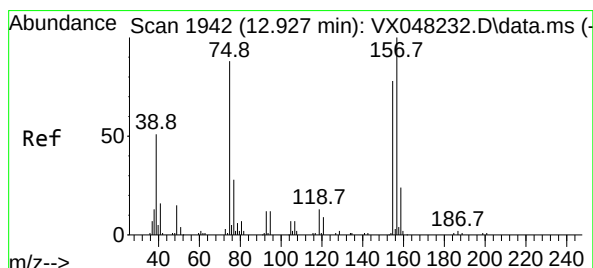
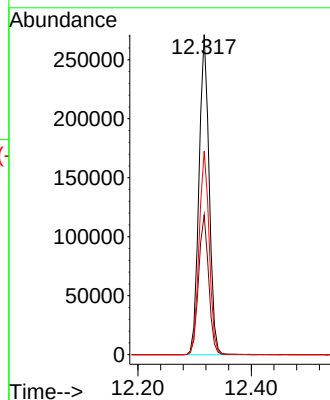
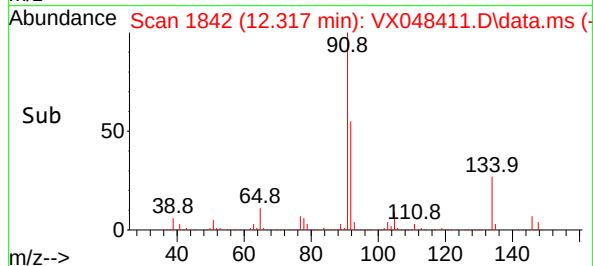
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion:146 Resp: 335364  
Ion Ratio Lower Upper  
146 100  
111 43.5 21.9 65.5  
148 63.6 31.9 95.5

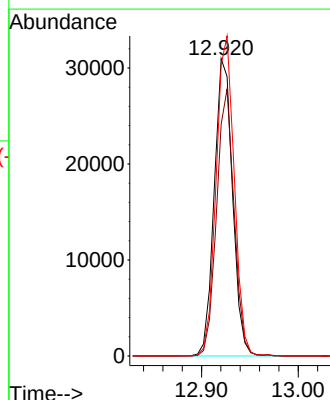
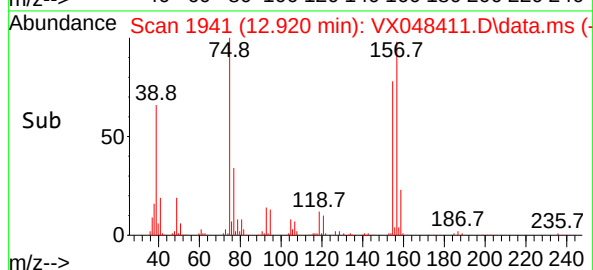
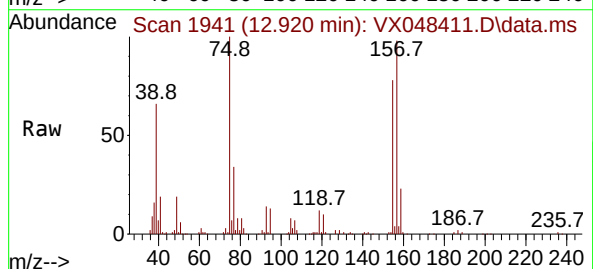
Manual Integrations  
APPROVED

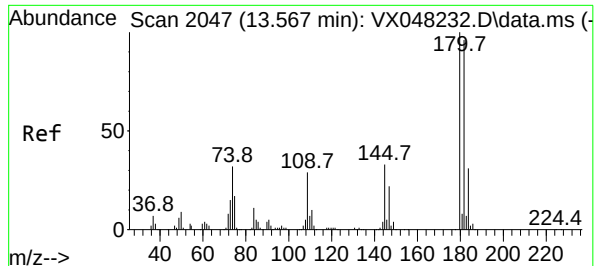
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 106.406 ug/l  
RT: 12.920 min Scan# 1941  
Delta R.T. -0.000 min  
Lab File: VX048411.D  
Acq: 29 Oct 2025 12:43

Tgt Ion: 75 Resp: 40725  
Ion Ratio Lower Upper  
75 100  
155 85.6 42.8 128.4  
157 106.5 54.2 162.6





#93

1,2,4-Trichlorobenzene

Concen: 100.768 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:180 Resp: 234564

Ion Ratio Lower Upper

180 100

182 95.9 47.3 142.0

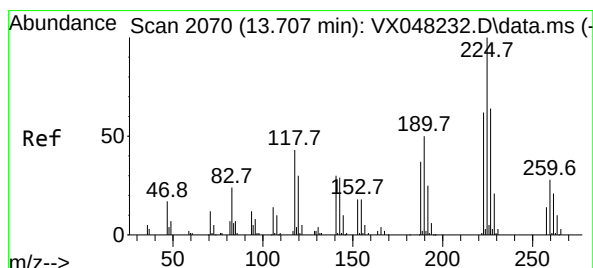
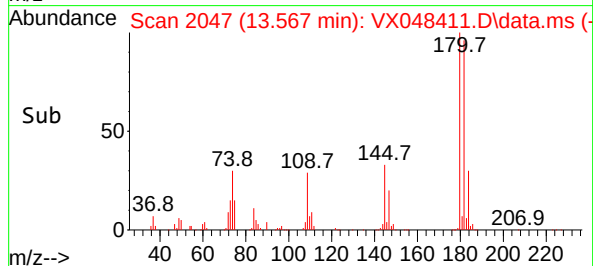
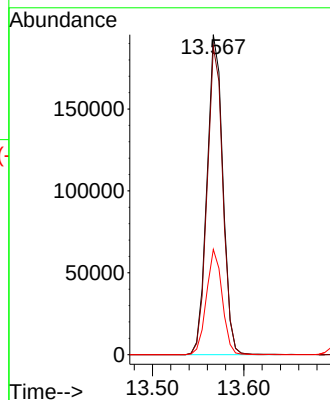
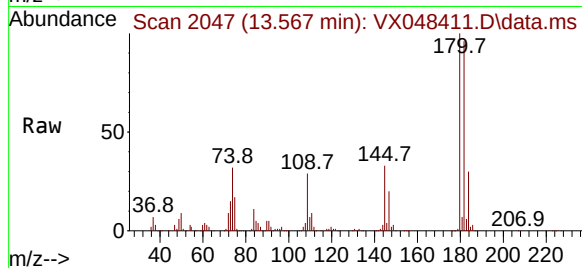
145 32.7 16.3 48.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#94

Hexachlorobutadiene

Concen: 92.112 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

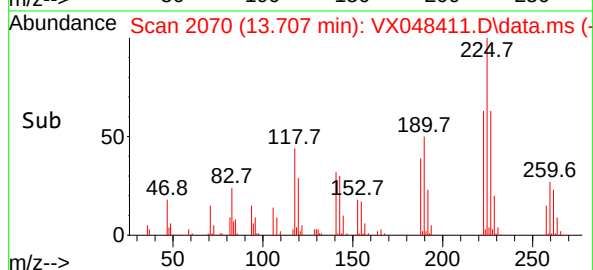
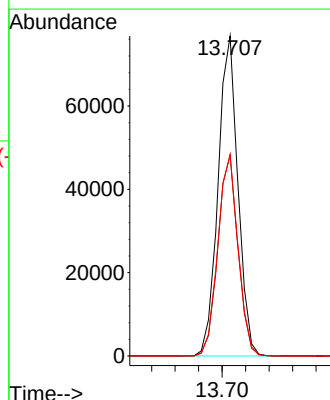
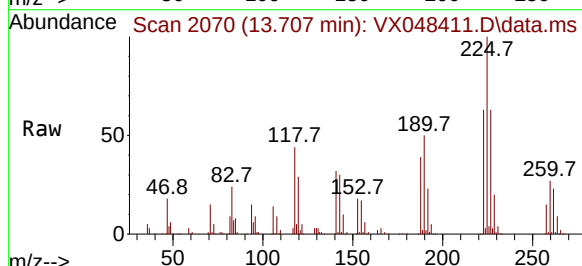
Tgt Ion:225 Resp: 89940

Ion Ratio Lower Upper

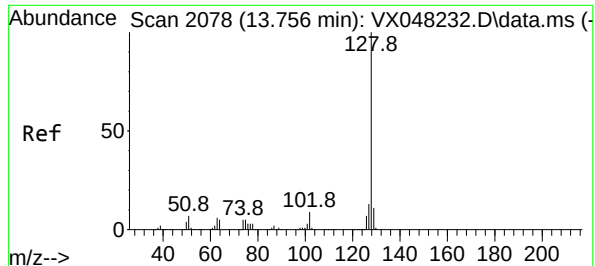
225 100

223 63.3 32.6 97.7

227 64.3 32.5 97.4







#95

Naphthalene

Concen: 108.748 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

Instrument :

MSVOA\_X

ClientSampleId :

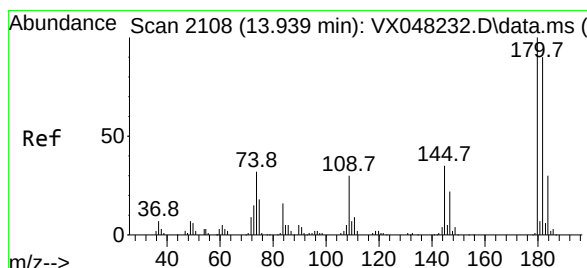
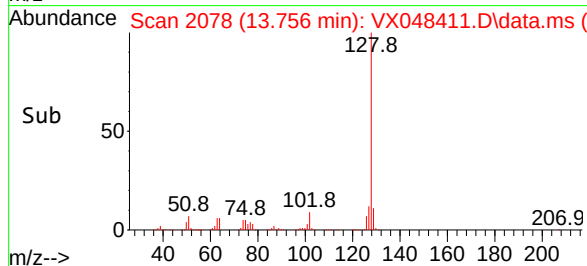
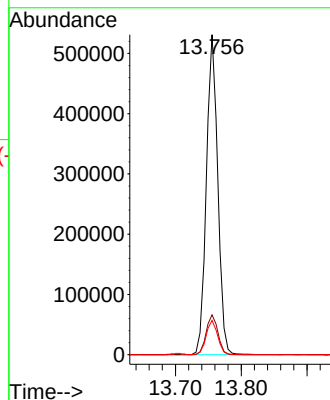
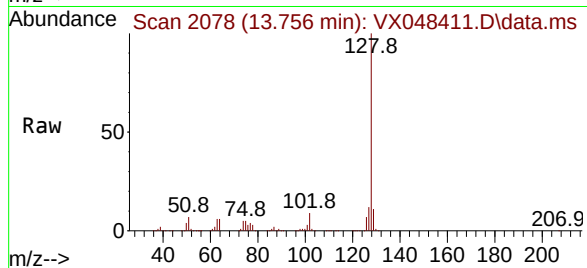
VSTDICC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 639328 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.8  | 10.2  | 15.4   |
| 129      | 10.8  | 8.6   | 12.8   |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#96

1,2,3-Trichlorobenzene

Concen: 101.587 ug/l

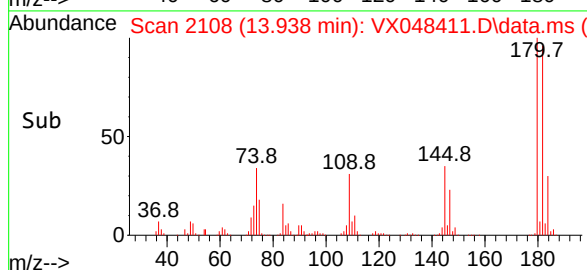
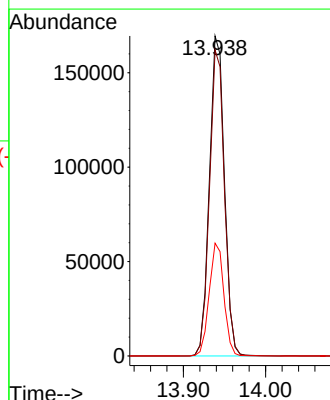
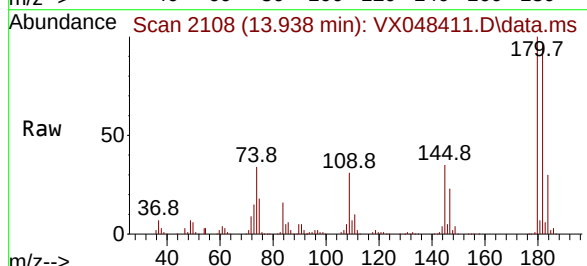
RT: 13.938 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VX048411.D

Acq: 29 Oct 2025 12:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 214795 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.2  | 46.6  | 139.7  |
| 145      | 34.6  | 16.9  | 50.7   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048412.D  
Acq On : 29 Oct 2025 13:03  
Operator : JC/MD  
Sample : VSTDICC150  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Quant Time: Oct 30 02:22:12 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.538  | 168  | 133860   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.745  | 114  | 221426   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 196412   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 93582    | 50.000 | ug/l  | # 0.00   |

## System Monitoring Compounds

|                           |        |       |          |          |             |      |
|---------------------------|--------|-------|----------|----------|-------------|------|
| 33) 1,2-Dichloroethane-d4 | 5.946  | 65    | 296654   | 154.097  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | = 308.200%# |      |
| 35) Dibromofluoromethane  | 5.373  | 113   | 203803   | 161.437  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | = 322.880%# |      |
| 50) Toluene-d8            | 8.635  | 98    | 889352   | 159.591  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | = 319.180%# |      |
| 62) 4-Bromofluorobenzene  | 11.061 | 95    | 322251   | 154.584  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | = 309.160%# |      |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.172 | 85  | 226734  | 166.052 | ug/l | 95     |
| 3) Chloromethane             | 1.300 | 50  | 111106  | 144.222 | ug/l | 100    |
| 4) Vinyl Chloride            | 1.380 | 62  | 288493  | 162.114 | ug/l | 100    |
| 5) Bromomethane              | 1.605 | 94  | 84416   | 131.315 | ug/l | 99     |
| 6) Chloroethane              | 1.691 | 64  | 161444  | 152.548 | ug/l | 97     |
| 7) Trichlorofluoromethane    | 1.892 | 101 | 441827  | 162.017 | ug/l | 100    |
| 8) Diethyl Ether             | 2.136 | 74  | 153088  | 155.324 | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 251534  | 163.980 | ug/l | 97     |
| 10) Methyl Iodide            | 2.459 | 142 | 1010524 | 163.830 | ug/l | 98     |
| 11) Tert butyl alcohol       | 2.947 | 59  | 118407  | 802.812 | ug/l | 100    |
| 12) 1,1-Dichloroethene       | 2.325 | 96  | 252174  | 161.849 | ug/l | 92     |
| 13) Acrolein                 | 2.233 | 56  | 237424  | 771.206 | ug/l | 100    |
| 14) Allyl chloride           | 2.666 | 41  | 401170  | 152.042 | ug/l | 97     |
| 15) Acrylonitrile            | 3.056 | 53  | 523106  | 779.630 | ug/l | 100    |
| 16) Acetone                  | 2.373 | 43  | 351359  | 805.286 | ug/l | 99     |
| 17) Carbon Disulfide         | 2.514 | 76  | 633259  | 141.750 | ug/l | 99     |
| 18) Methyl Acetate           | 2.697 | 43  | 251146  | 172.102 | ug/l | 96     |
| 19) Methyl tert-butyl Ether  | 3.105 | 73  | 766372  | 153.599 | ug/l | 99     |
| 20) Methylene Chloride       | 2.788 | 84  | 252059  | 149.866 | ug/l | 96     |
| 21) trans-1,2-Dichloroethene | 3.093 | 96  | 258099  | 155.957 | ug/l | 98     |
| 22) Diisopropyl ether        | 3.751 | 45  | 832265  | 154.103 | ug/l | 87     |
| 23) Vinyl Acetate            | 3.715 | 43  | 2484119 | 675.692 | ug/l | 98     |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 472207  | 154.064 | ug/l | 100    |
| 25) 2-Butanone               | 4.544 | 43  | 552156  | 792.168 | ug/l | 99     |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 415494  | 157.443 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 305748  | 154.799 | ug/l | 98     |
| 28) Bromochloromethane       | 4.885 | 49  | 219437  | 157.975 | ug/l | 93     |
| 29) Tetrahydrofuran          | 4.989 | 42  | 381074  | 767.699 | ug/l | 96     |
| 30) Chloroform               | 5.080 | 83  | 473786  | 150.268 | ug/l | 98     |
| 31) Cyclohexane              | 5.458 | 56  | 426944  | 160.475 | ug/l | 95     |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 435417  | 156.431 | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 339315  | 160.053 | ug/l | 99     |
| 37) Ethyl Acetate            | 4.696 | 43  | 285505  | 158.070 | ug/l | 99     |
| 38) Carbon Tetrachloride     | 5.666 | 117 | 379794  | 155.159 | ug/l | 98     |
| 39) Methylcyclohexane        | 7.366 | 83  | 462064  | 169.485 | ug/l | 96     |
| 40) Benzene                  | 6.025 | 78  | 1012290 | 156.299 | ug/l | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048412.D  
 Acq On : 29 Oct 2025 13:03  
 Operator : JC/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

## Instrument :

MSVOA\_X

## ClientSampleId :

VSTDICC150

## Manual Integrations

## APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:22:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M

Quant Title : SW846 8260

QLast Update : Thu Oct 30 02:16:32 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.904  | 41   | 143222   | 157.424  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 342371   | 150.080  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.324  | 43   | 474716   | 159.192  | ug/l   | 96       |
| 44) Trichloroethene           | 7.110  | 130  | 269776   | 158.985  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.415  | 63   | 250400   | 154.807  | ug/l   | 98       |
| 46) Dibromomethane            | 7.568  | 93   | 174988   | 154.540  | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.805  | 83   | 365541   | 151.939  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.677  | 41   | 241987   | 166.402  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 7.647  | 88   | 56913    | 3443.207 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 8.561  | 43   | 1289048  | 776.723  | ug/l   | 96       |
| 52) Toluene                   | 8.702  | 92   | 634130   | 156.693  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75   | 327554   | 150.209  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.354  | 75   | 335804   | 142.929  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 222130   | 151.673  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.104  | 69   | 353810   | 164.986  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 382063   | 150.457  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.232  | 63   | 1003535  | 765.777  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.415  | 43   | 873591   | 808.982  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.506  | 129  | 277503   | 153.207  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 230295   | 152.001  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.256  | 164  | 241539   | 152.704  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.061 | 112  | 694655   | 153.517  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131  | 245997   | 159.824  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 1219491  | 160.063  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.287 | 106  | 915429   | 317.337  | ug/l   | 97       |
| 69) o-Xylene                  | 10.628 | 106  | 441800   | 160.266  | ug/l   | 95       |
| 70) Styrene                   | 10.640 | 104  | 750150   | 160.637  | ug/l   | 99       |
| 71) Bromoform                 | 10.780 | 173  | 178023   | 159.885  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 1146983  | 165.706  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.829 | 43   | 420212   | 170.178  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 277481   | 158.267  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 218653m  | 149.808  | ug/l   |          |
| 77) Bromobenzene              | 11.183 | 156  | 276189   | 161.530  | ug/l   | 100      |
| 78) n-propylbenzene           | 11.287 | 91   | 1358131  | 166.012  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.347 | 91   | 793064   | 161.461  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 945889   | 166.707  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 64047    | 164.688  | ug/l # | 81       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 926294   | 160.417  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 971214   | 168.135  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 941993   | 167.674  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 1200340  | 166.771  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.994 | 119  | 1026794  | 168.747  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 507315   | 155.362  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 513410   | 154.371  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.317 | 91   | 967683   | 169.383  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.518 | 117  | 187919   | 175.757  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 480520   | 158.798  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 58903    | 171.570  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 346016   | 165.713  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 144920   | 165.459  | ug/l   | 98       |
| 95) Naphthalene               | 13.756 | 128  | 916442   | 173.781  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.938 | 180  | 320819   | 169.151  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048412.D  
Acq On : 29 Oct 2025 13:03  
Operator : JC/MD  
Sample : VSTDICC150  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Manual Integrations  
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Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:22:12 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration

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

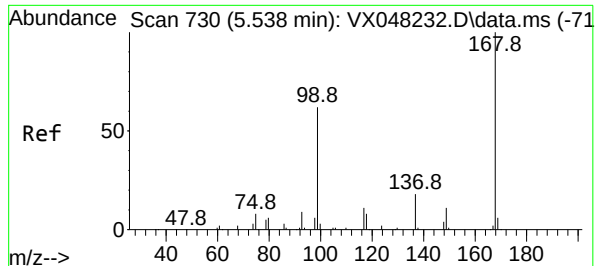
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC150

## Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.538 min Scan# 71

Delta R.T. 0.001 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:168 Resp: 133860

Ion Ratio Lower Upper

168 100

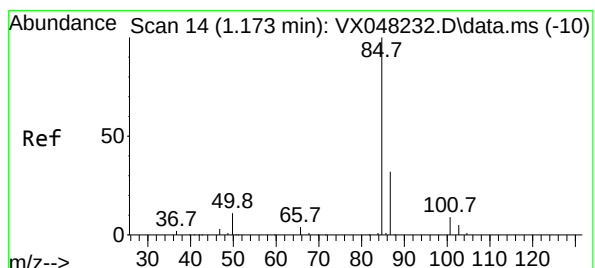
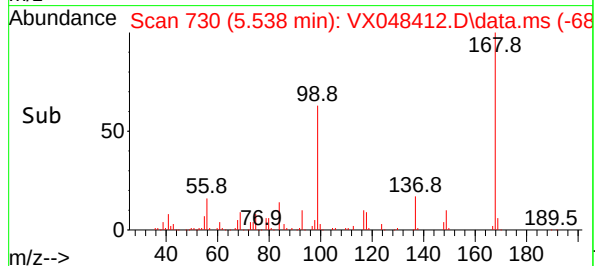
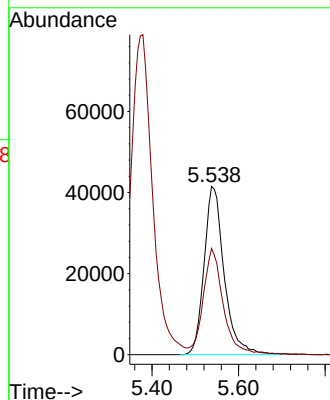
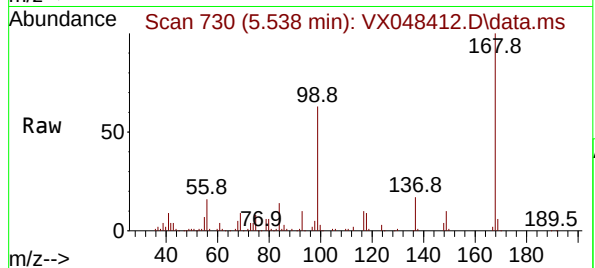
99 62.8 46.4 69.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#2

Dichlorodifluoromethane

Concen: 166.052 ug/l

RT: 1.172 min Scan# 14

Delta R.T. 0.000 min

Lab File: VX048412.D

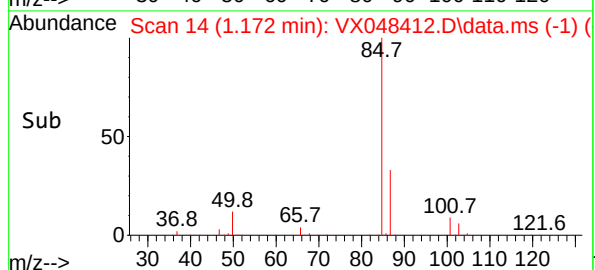
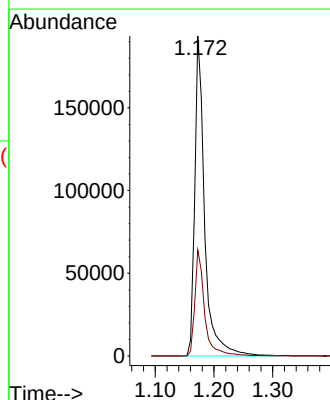
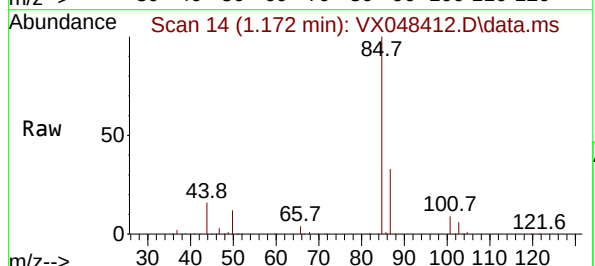
Acq: 29 Oct 2025 13:03

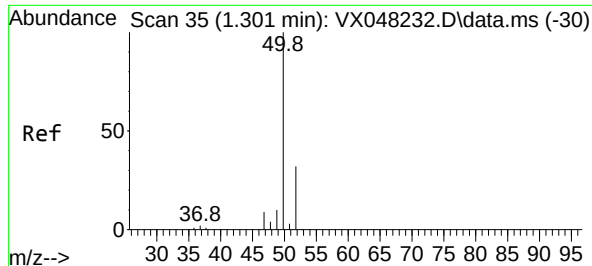
Tgt Ion: 85 Resp: 226734

Ion Ratio Lower Upper

85 100

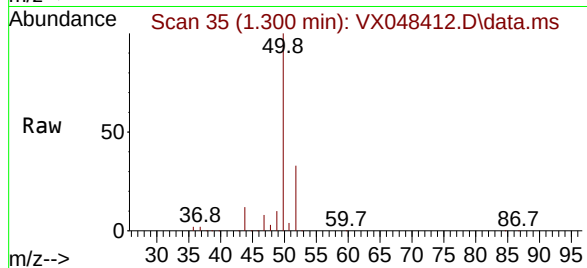
87 33.1 15.3 45.9





#3  
Chloromethane  
Concen: 144.222 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

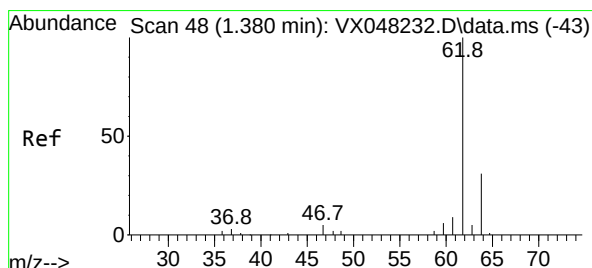
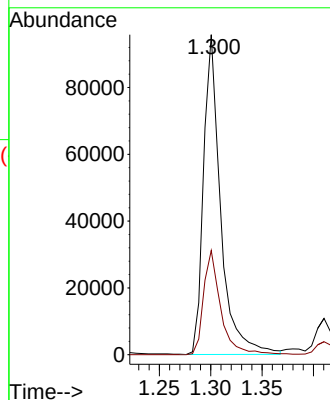
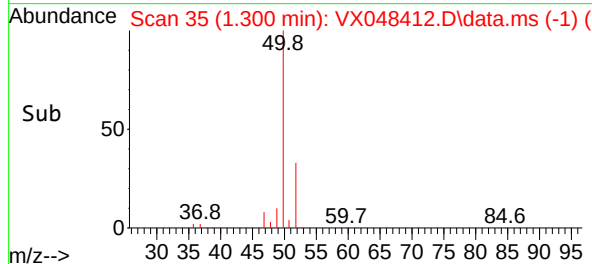
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150



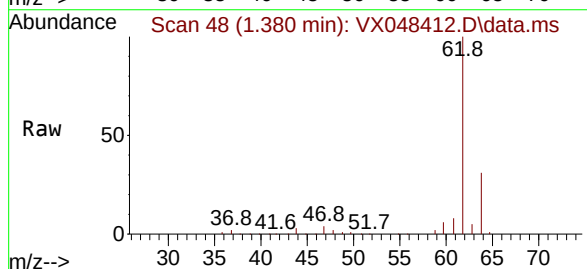
Tgt Ion: 50 Resp: 111100  
Ion Ratio Lower Upper  
50 100  
52 32.6 25.9 38.9

Manual Integrations  
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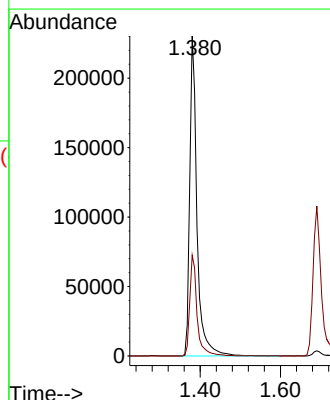
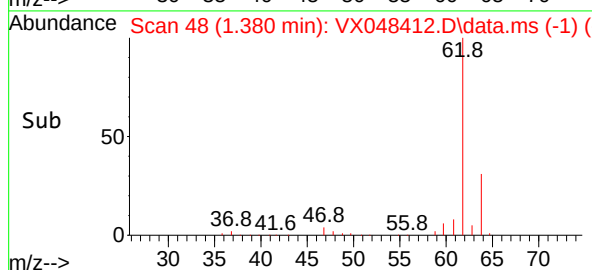
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

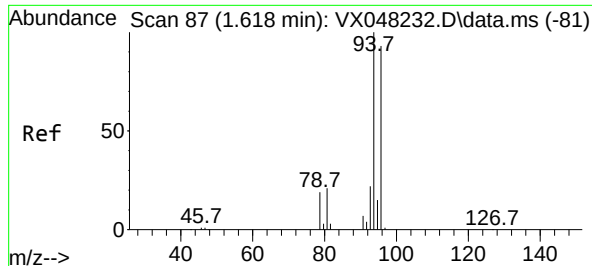


#4  
Vinyl Chloride  
Concen: 162.114 ug/l  
RT: 1.380 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03



Tgt Ion: 62 Resp: 288493  
Ion Ratio Lower Upper  
62 100  
64 31.5 25.1 37.7





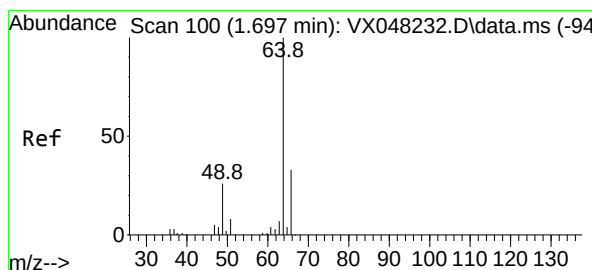
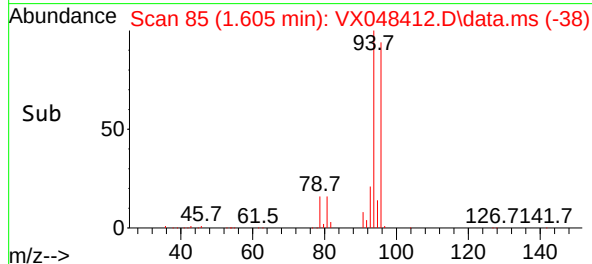
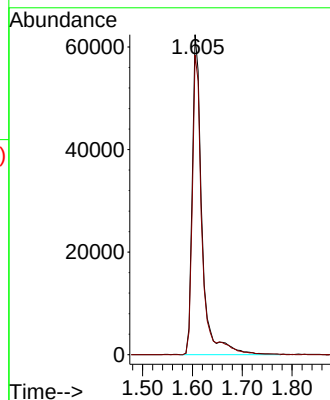
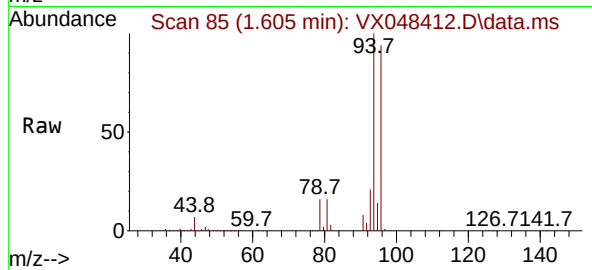
#5  
Bromomethane  
Concen: 131.315 ug/l  
RT: 1.605 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Instrument :  
MSVOA\_X  
Client Sample Id :  
VSTDICC150

Tgt Ion: 94 Resp: 84410  
Ion Ratio Lower Upper  
94 100  
96 93.7 76.0 114.0

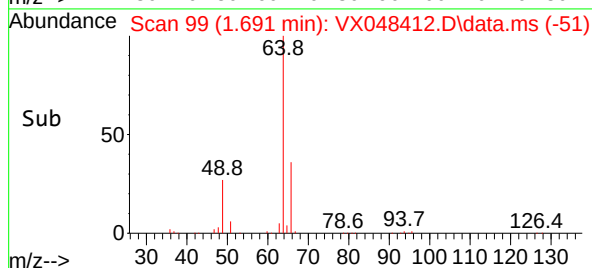
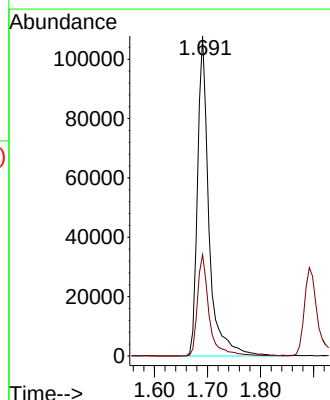
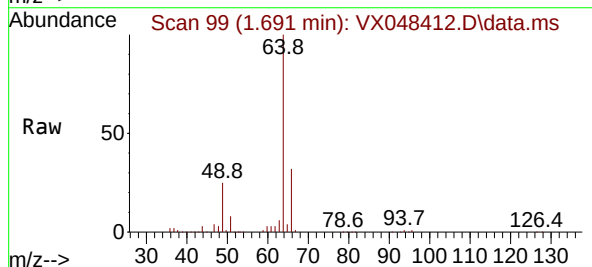
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Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

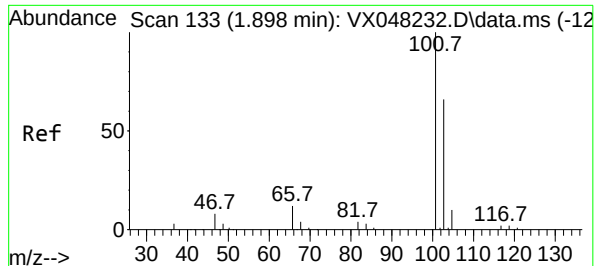


#6  
Chloroethane  
Concen: 152.548 ug/l  
RT: 1.691 min Scan# 99  
Delta R.T. -0.006 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Tgt Ion: 64 Resp: 161444  
Ion Ratio Lower Upper  
64 100  
66 31.6 23.9 35.9







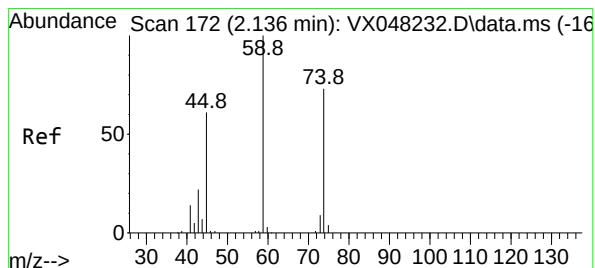
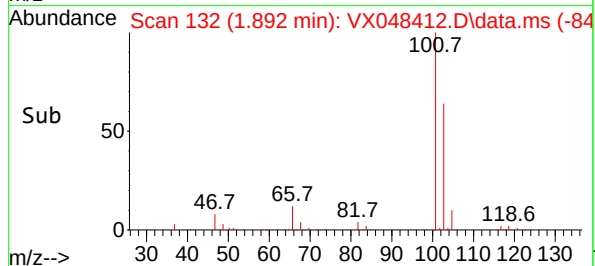
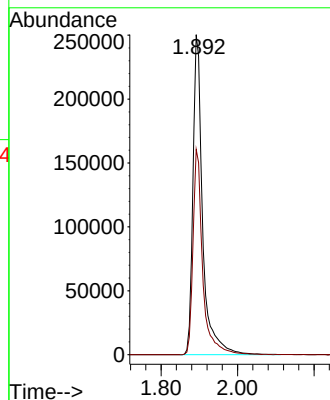
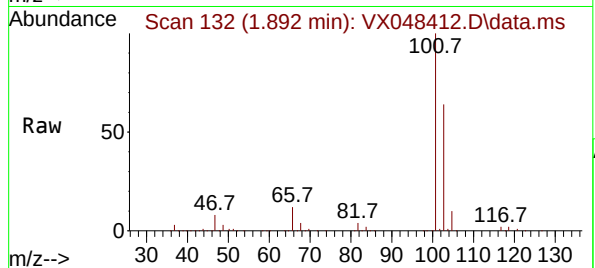
#7  
Trichlorofluoromethane  
Concen: 162.017 ug/l  
RT: 1.892 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion:101 Resp: 44182  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.6 77.4

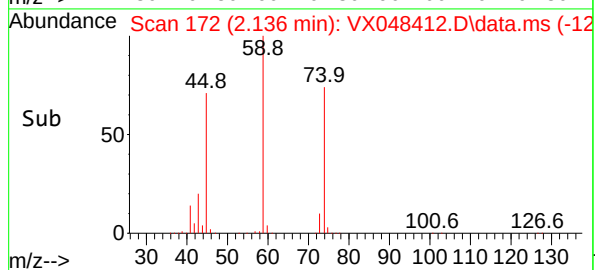
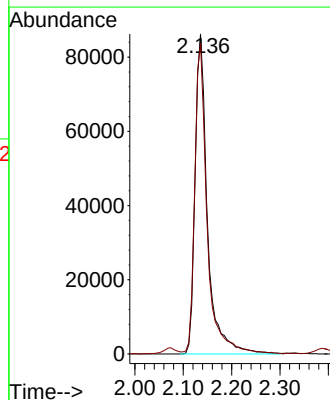
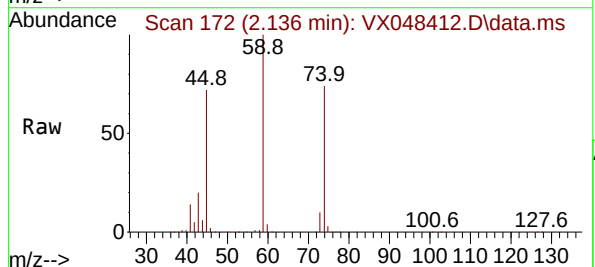
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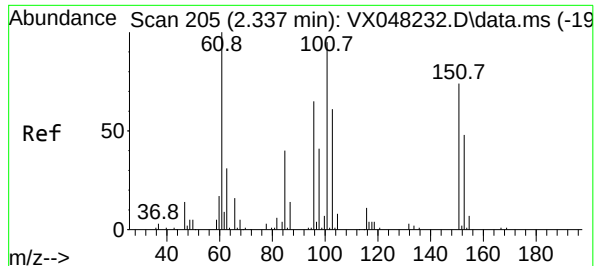
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#8  
Diethyl Ether  
Concen: 155.324 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Tgt Ion: 74 Resp: 153088  
Ion Ratio Lower Upper  
74 100  
45 97.3 50.0 149.8





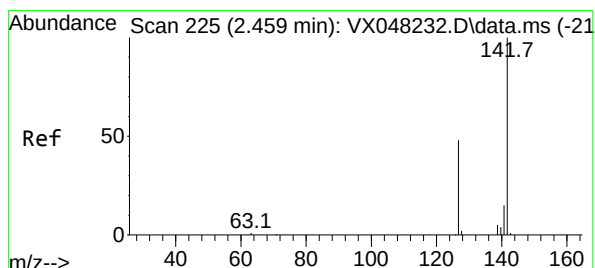
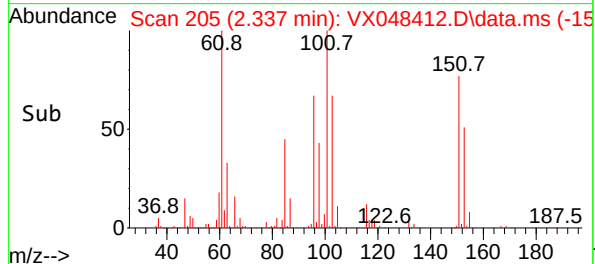
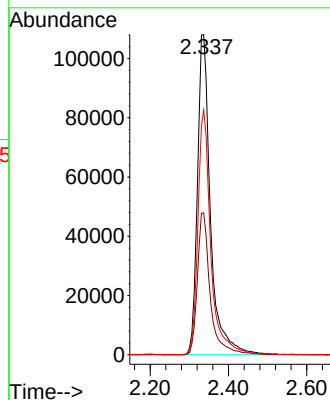
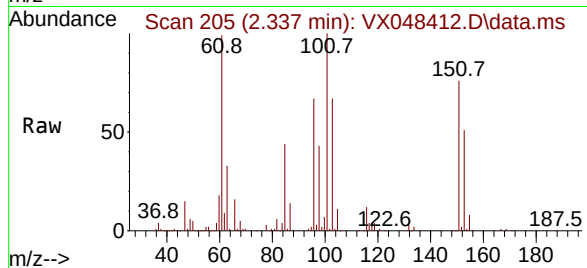
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 163.980 ug/l  
RT: 2.337 min Scan# 205  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion:101 Resp: 251534  
Ion Ratio Lower Upper  
101 100  
85 43.6 35.6 53.4  
151 75.4 58.0 87.0

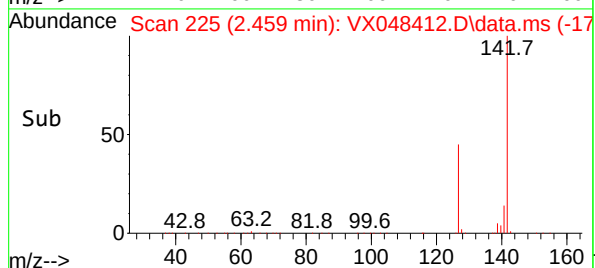
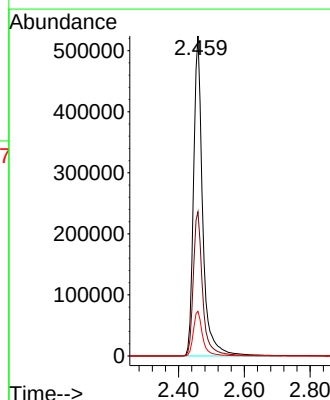
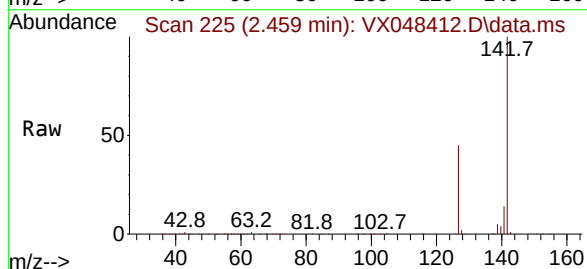
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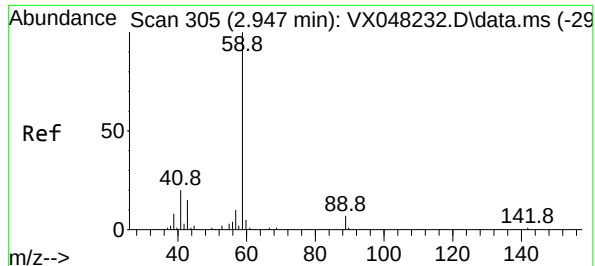
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#10  
Methyl Iodide  
Concen: 163.830 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Tgt Ion:142 Resp: 1010524  
Ion Ratio Lower Upper  
142 100  
127 46.3 38.5 57.7  
141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 802.812 ug/l

RT: 2.947 min Scan# 305

Delta R.T. 0.006 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 11840

Ion Ratio Lower Upper

59 100

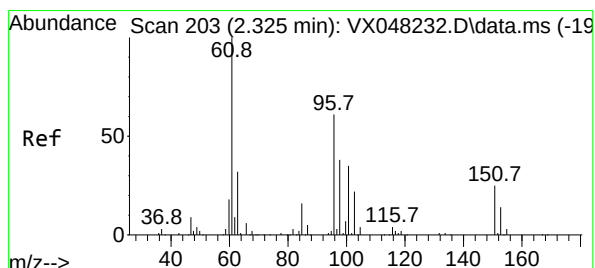
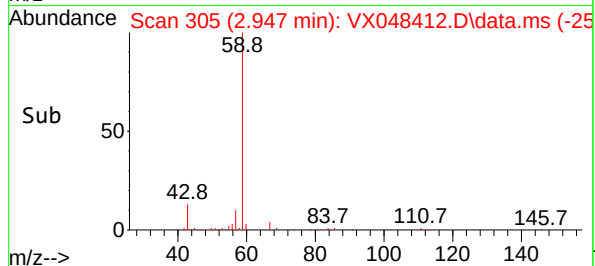
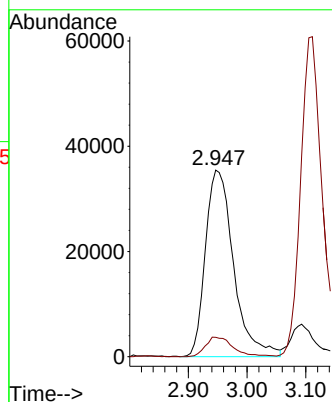
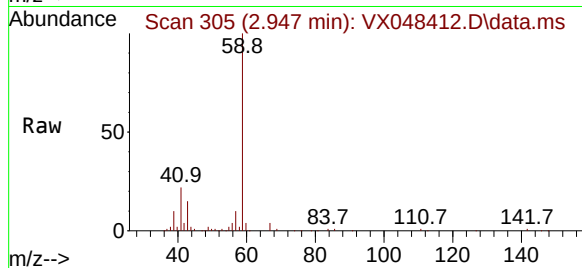
57 10.4 8.2 12.4

Manual Integrations

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Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#12

1,1-Dichloroethene

Concen: 161.849 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

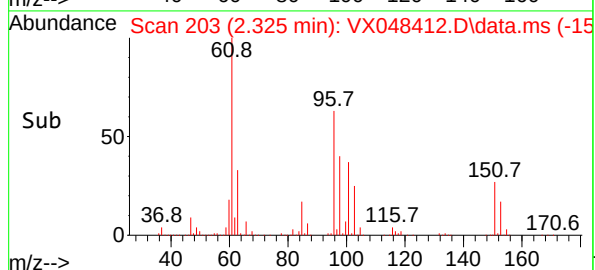
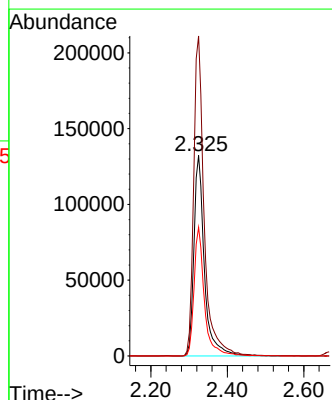
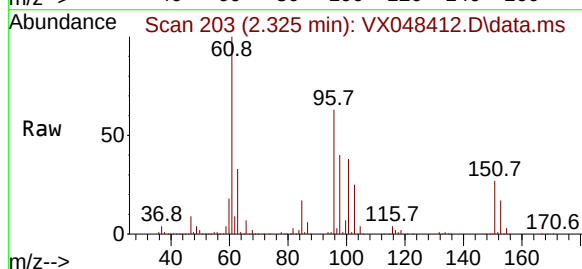
Tgt Ion: 96 Resp: 252174

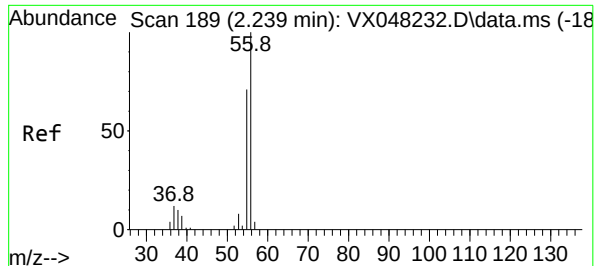
Ion Ratio Lower Upper

96 100

61 159.6 139.0 208.6

98 64.2 52.4 78.6





#13

Acrolein

Concen: 771.206 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 237424

Ion Ratio Lower Upper

56 100

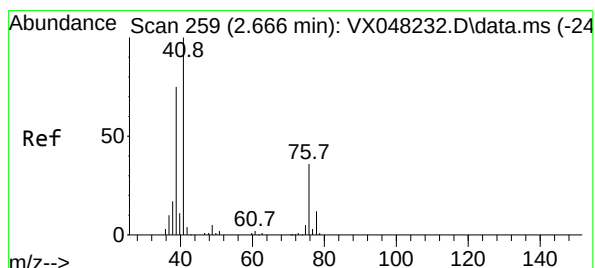
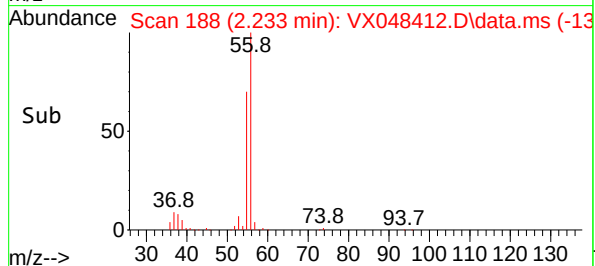
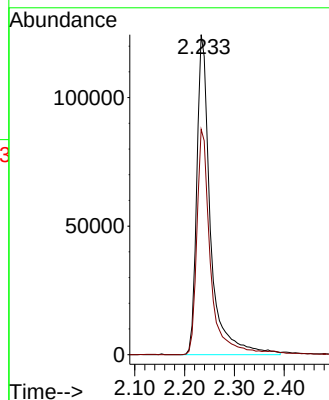
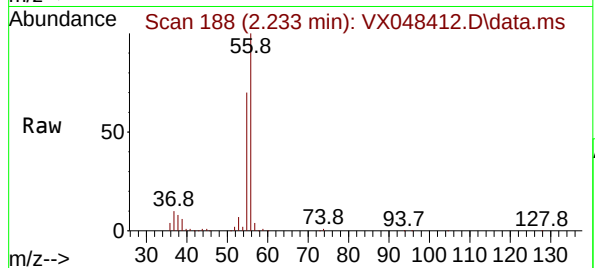
55 69.9 56.1 84.1

Manual Integrations

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Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#14

Allyl chloride

Concen: 152.042 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

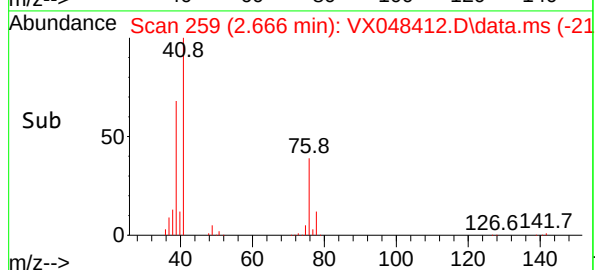
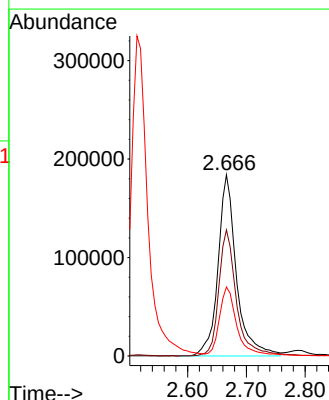
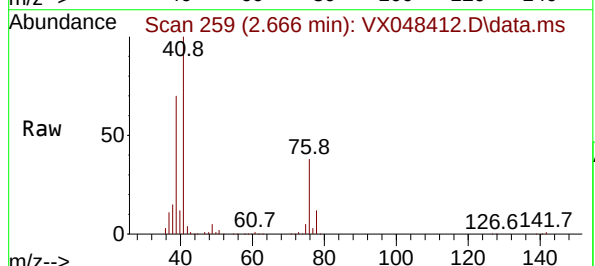
Tgt Ion: 41 Resp: 401170

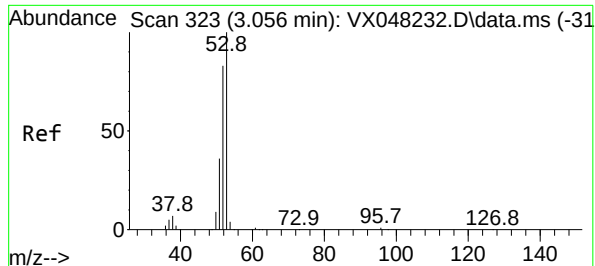
Ion Ratio Lower Upper

41 100

39 67.2 56.0 84.0

76 36.2 27.5 41.3





#15

Acrylonitrile

Concen: 779.630 ug/l

RT: 3.056 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 53 Resp: 523100

Ion Ratio Lower Upper

53 100

52 82.2 66.1 99.1

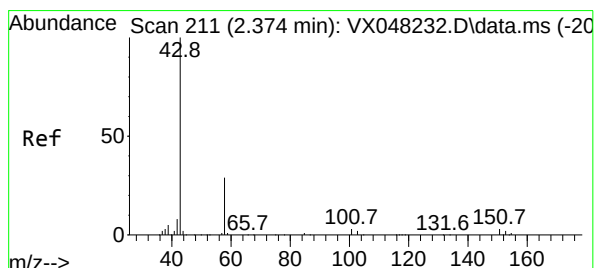
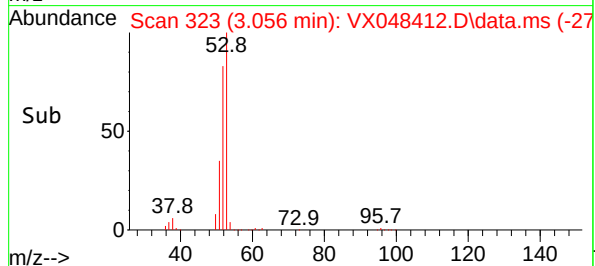
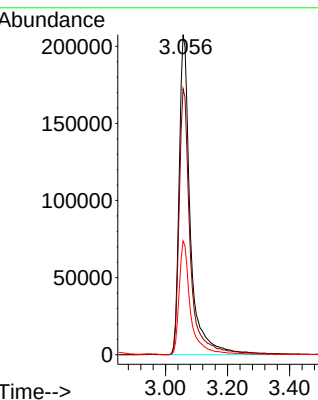
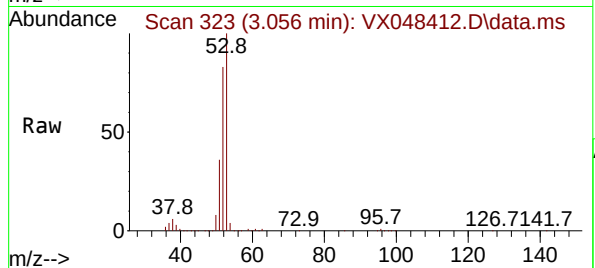
51 36.3 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#16

Acetone

Concen: 805.286 ug/l

RT: 2.373 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX048412.D

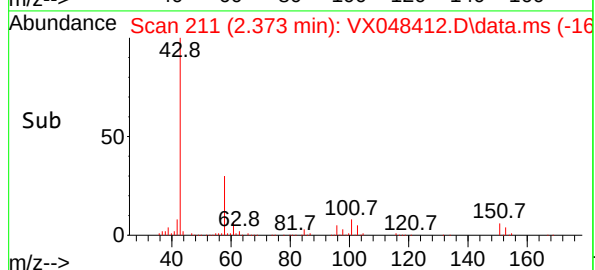
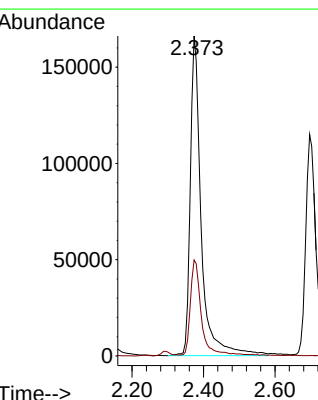
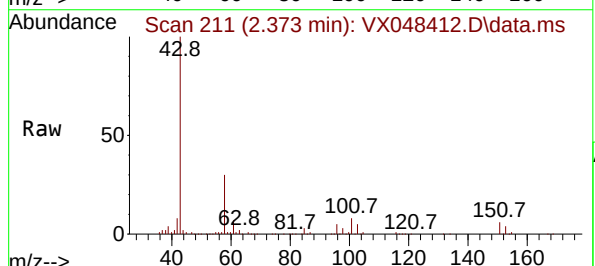
Acq: 29 Oct 2025 13:03

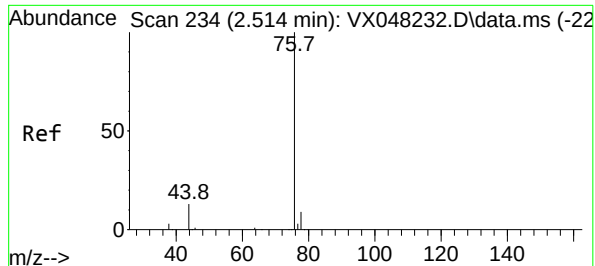
Tgt Ion: 43 Resp: 351359

Ion Ratio Lower Upper

43 100

58 29.9 23.4 35.2





#17

Carbon Disulfide

Concen: 141.750 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 633259

Ion Ratio Lower Upper

76 100

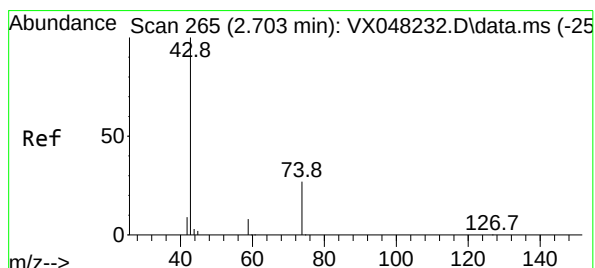
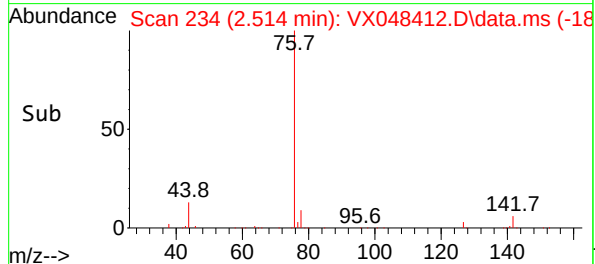
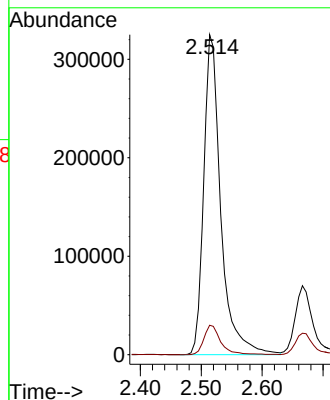
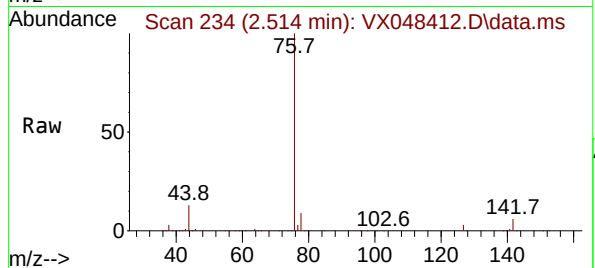
78 9.2 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#18

Methyl Acetate

Concen: 172.102 ug/l

RT: 2.697 min Scan# 264

Delta R.T. 0.000 min

Lab File: VX048412.D

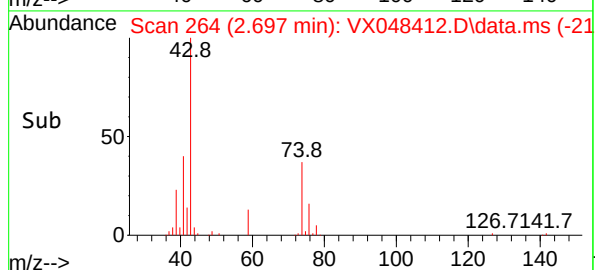
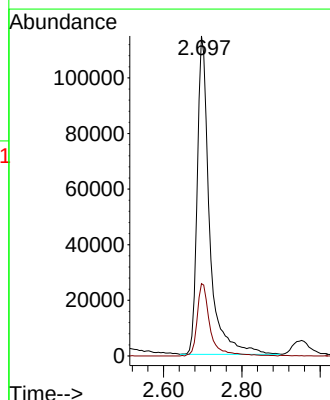
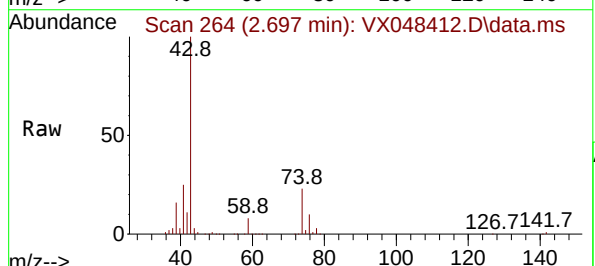
Acq: 29 Oct 2025 13:03

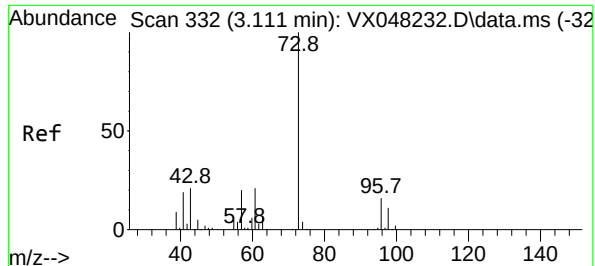
Tgt Ion: 43 Resp: 251146

Ion Ratio Lower Upper

43 100

74 23.8 17.5 26.3





#19

Methyl tert-butyl Ether

Concen: 153.599 ug/l

RT: 3.105 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 73 Resp: 766372

Ion Ratio Lower Upper

73 100

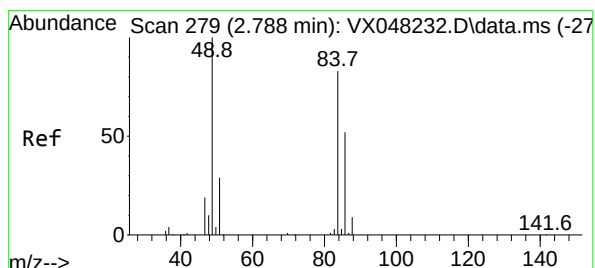
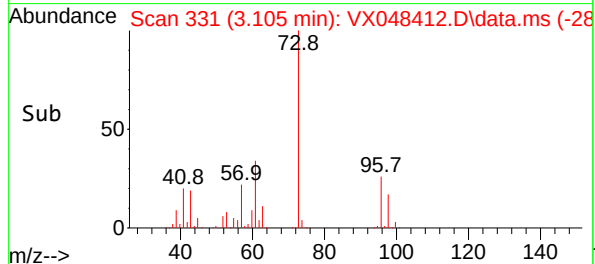
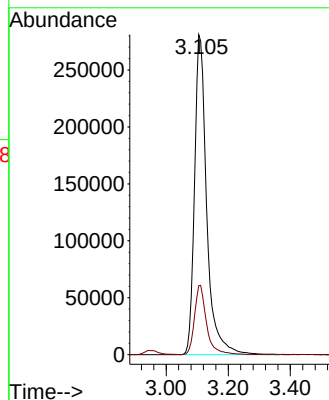
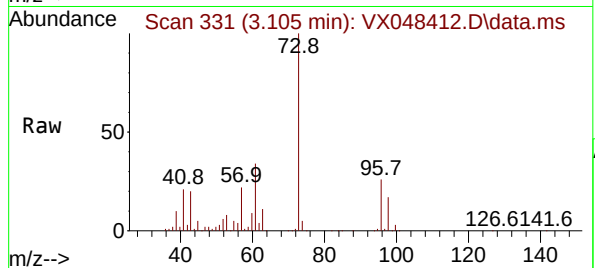
57 21.5 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#20

Methylene Chloride

Concen: 149.866 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Tgt Ion: 84 Resp: 252059

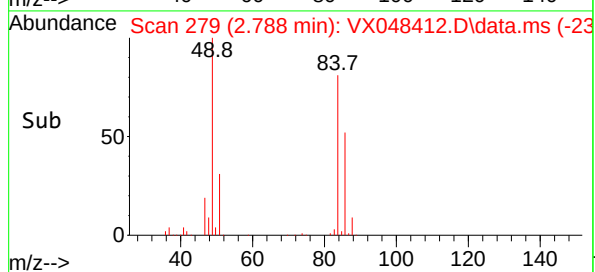
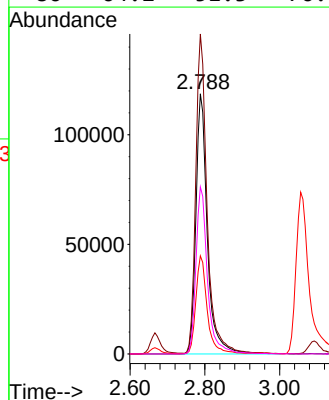
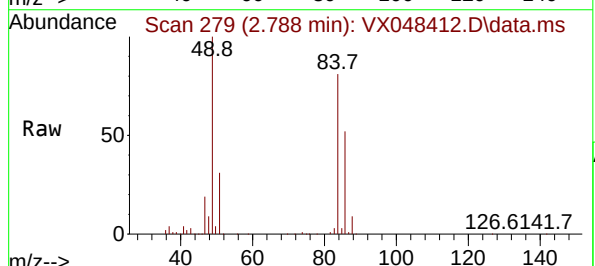
Ion Ratio Lower Upper

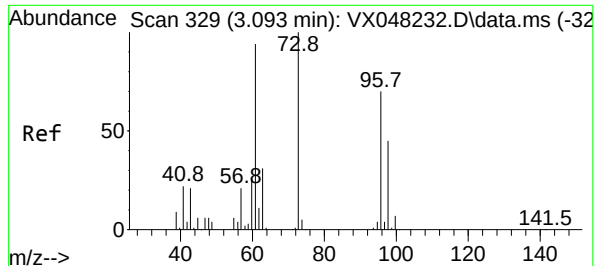
84 100

49 122.9 104.1 156.1

51 37.7 31.3 46.9

86 64.2 51.3 76.9





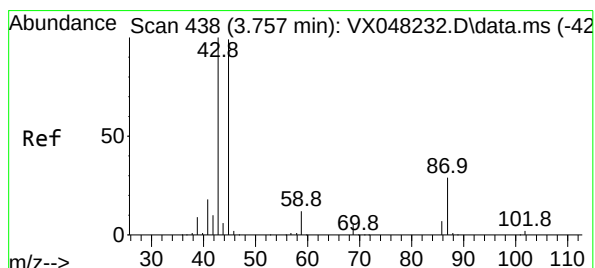
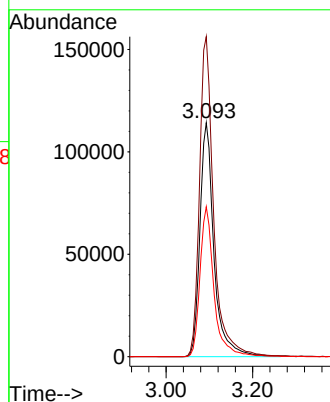
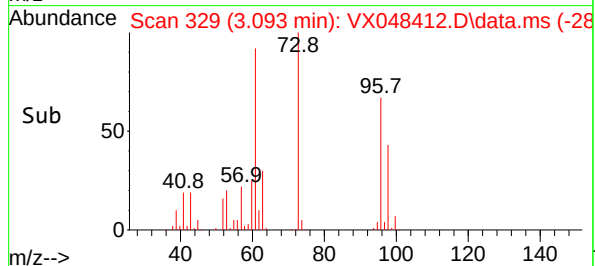
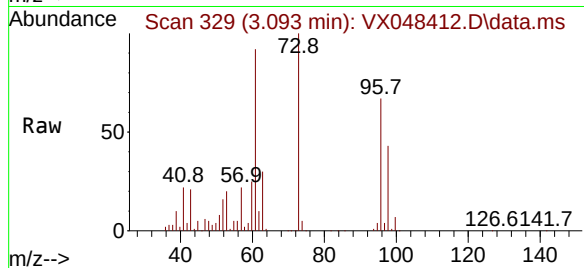
#21  
trans-1,2-Dichloroethene  
Concen: 155.957 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion: 96 Resp: 258099  
Ion Ratio Lower Upper  
96 100  
61 136.8 111.9 167.9  
98 64.1 51.2 76.8

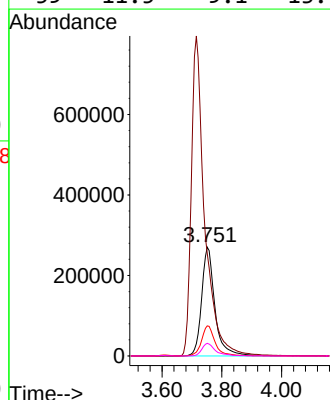
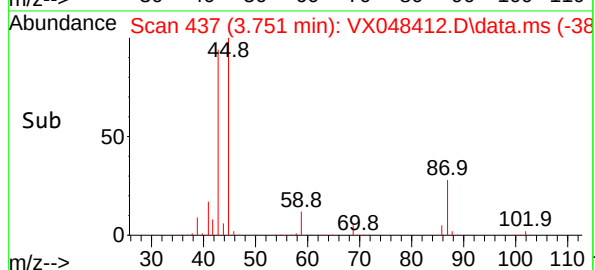
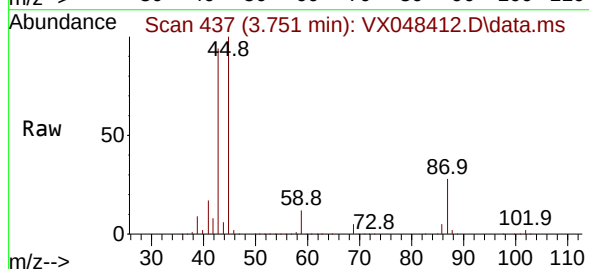
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

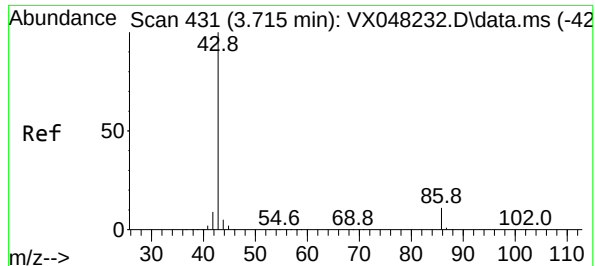


#22  
Diisopropyl ether  
Concen: 154.103 ug/l  
RT: 3.751 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Tgt Ion: 45 Resp: 832265  
Ion Ratio Lower Upper  
45 100  
43 94.1 89.8 134.8  
87 27.6 20.6 31.0  
59 11.5 9.1 13.7







#23

Vinyl Acetate

Concen: 675.692 ug/l

RT: 3.715 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 2484119

Ion Ratio Lower Upper

43 100

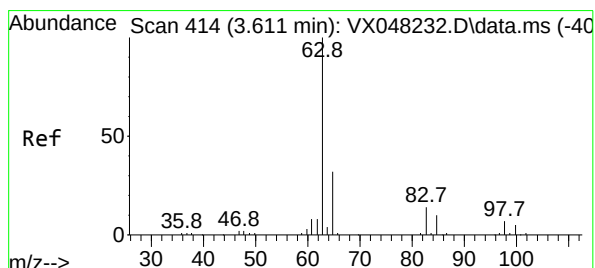
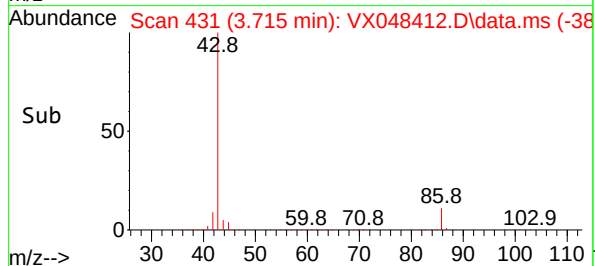
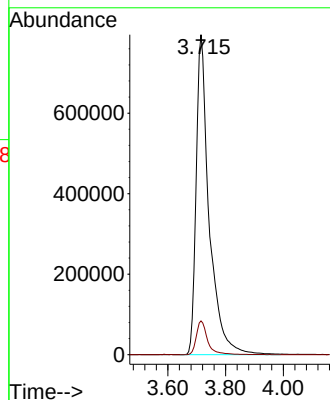
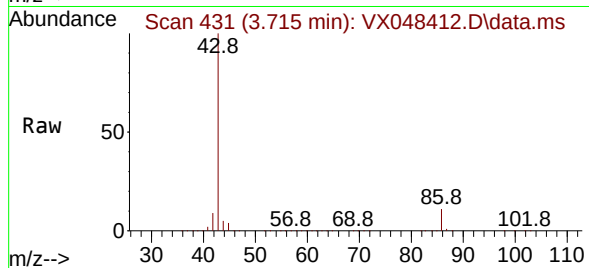
86 10.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#24

1,1-Dichloroethane

Concen: 154.064 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

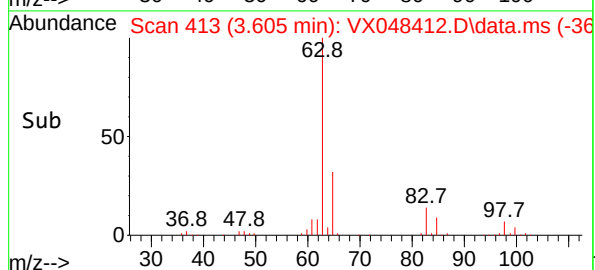
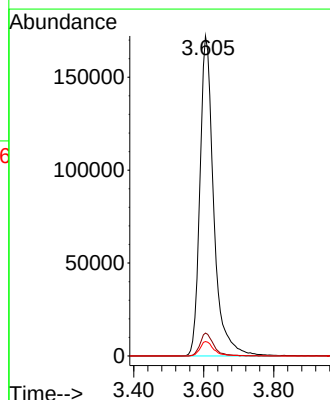
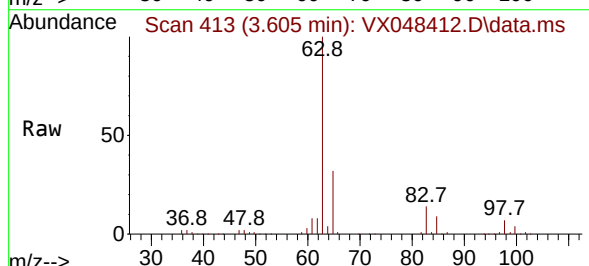
Tgt Ion: 63 Resp: 472207

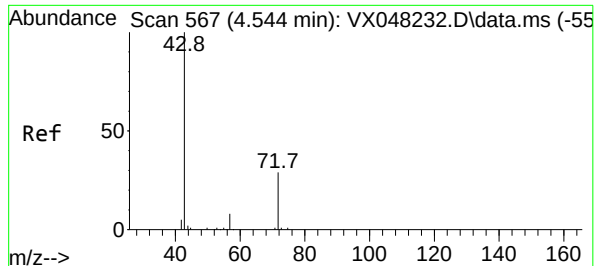
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 792.168 ug/l

RT: 4.544 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 552150

Ion Ratio Lower Upper

43 100

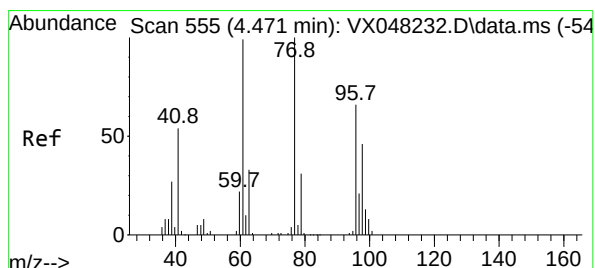
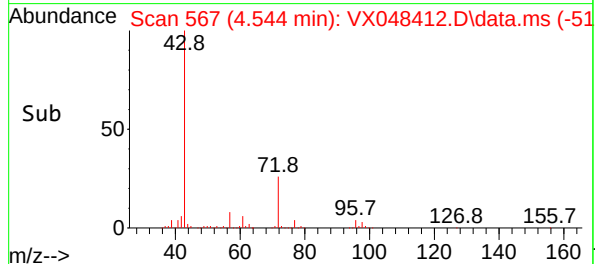
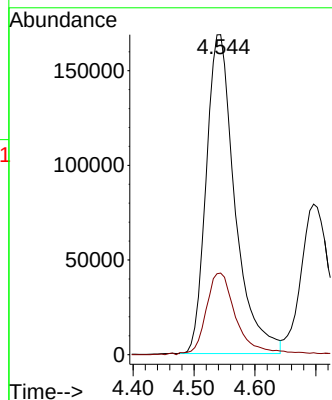
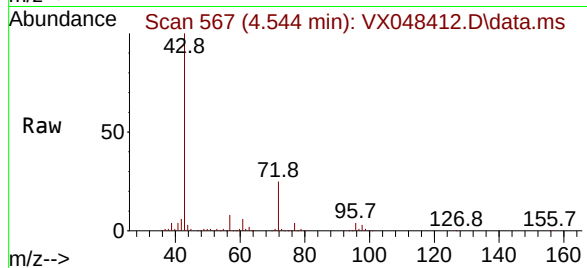
72 24.5 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#26

2,2-Dichloropropane

Concen: 157.443 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX048412.D

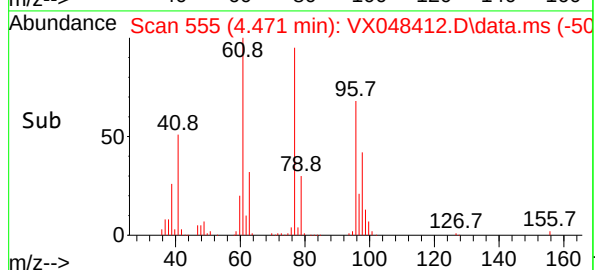
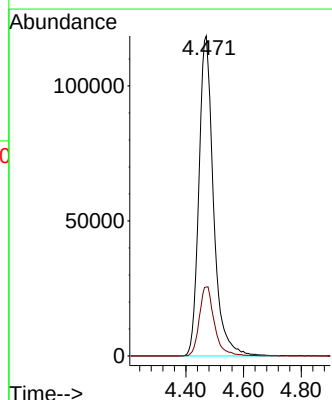
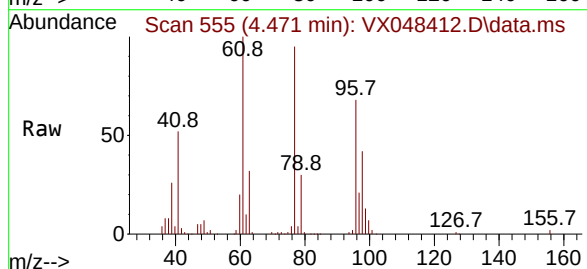
Acq: 29 Oct 2025 13:03

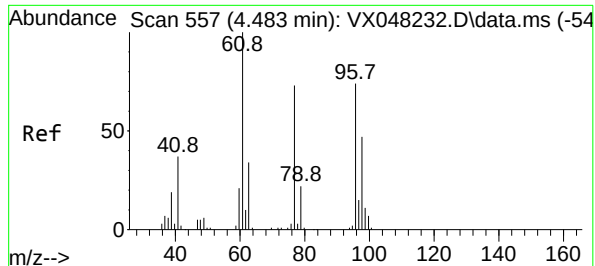
Tgt Ion: 77 Resp: 415494

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 154.799 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.006 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 30574

Ion Ratio Lower Upper

96 100

61 143.7 0.0 294.2

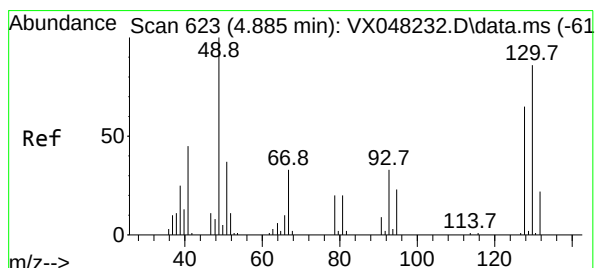
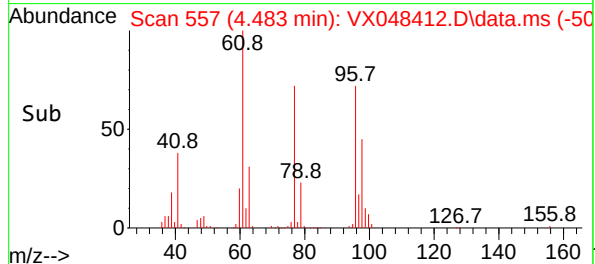
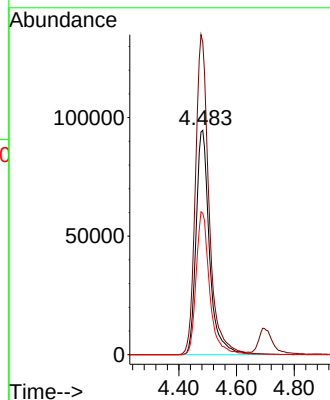
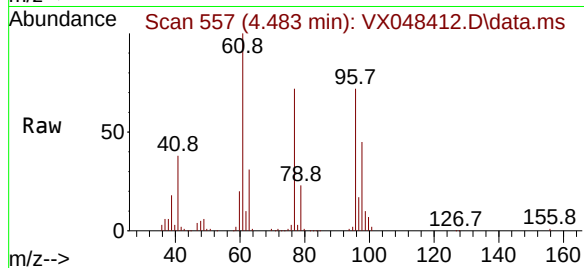
98 63.9 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#28

Bromochloromethane

Concen: 157.975 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

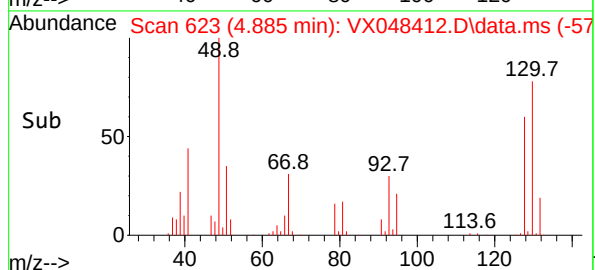
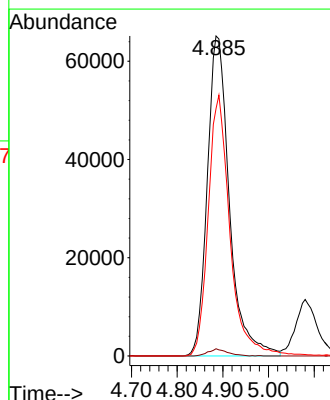
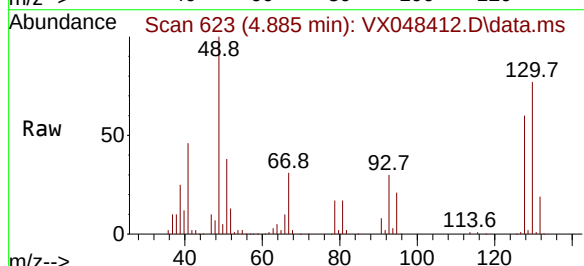
Tgt Ion: 49 Resp: 219437

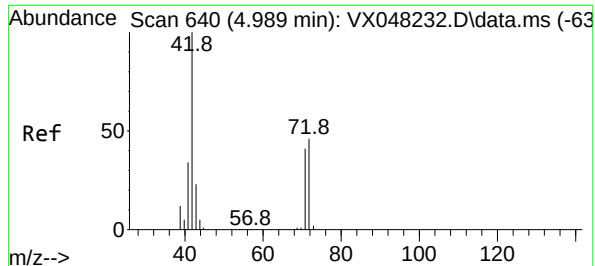
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

130 80.2 59.3 88.9





#29

Tetrahydrofuran

Concen: 767.699 ug/l

RT: 4.989 min Scan# 640

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 42 Resp: 381074

Ion Ratio Lower Upper

42 100

72 46.5 35.3 52.9

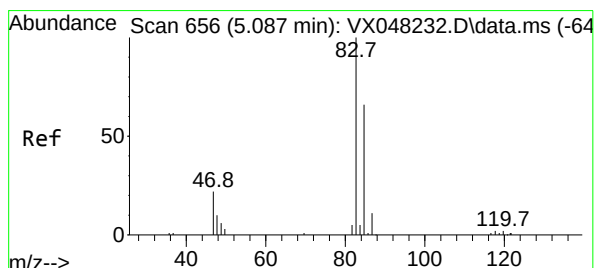
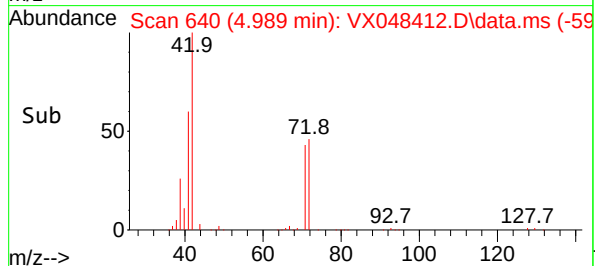
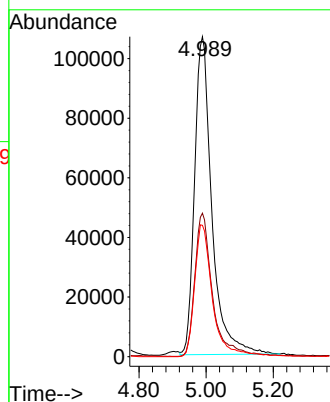
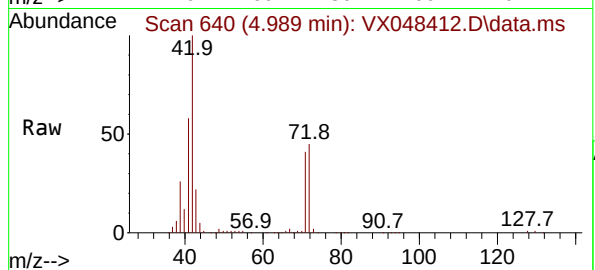
71 42.9 32.2 48.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#30

Chloroform

Concen: 150.268 ug/l

RT: 5.080 min Scan# 655

Delta R.T. 0.000 min

Lab File: VX048412.D

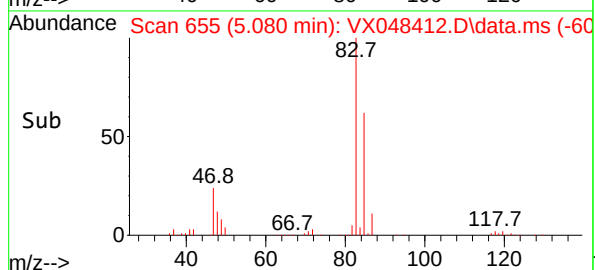
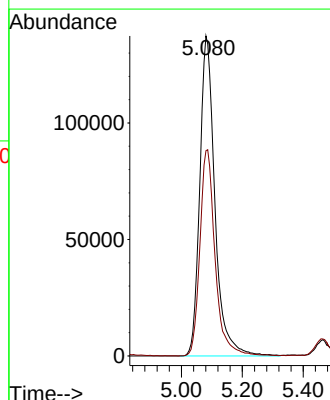
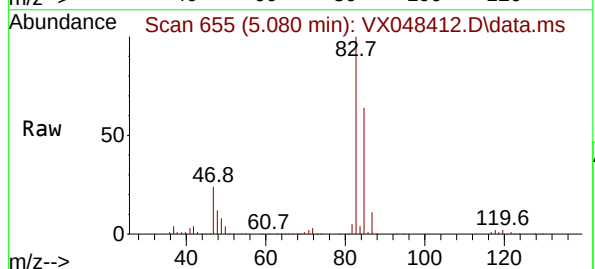
Acq: 29 Oct 2025 13:03

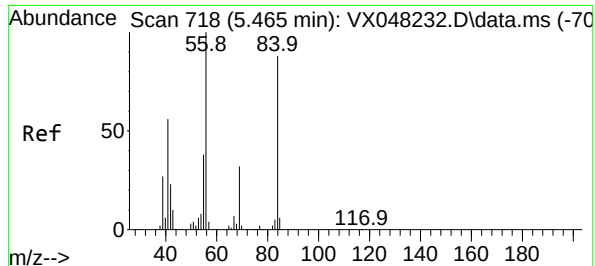
Tgt Ion: 83 Resp: 473786

Ion Ratio Lower Upper

83 100

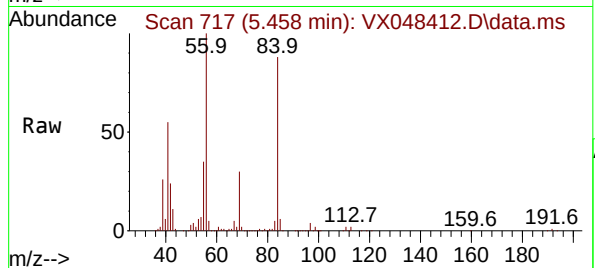
85 64.1 50.1 75.1





#31  
Cyclohexane  
Concen: 160.475 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.006 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

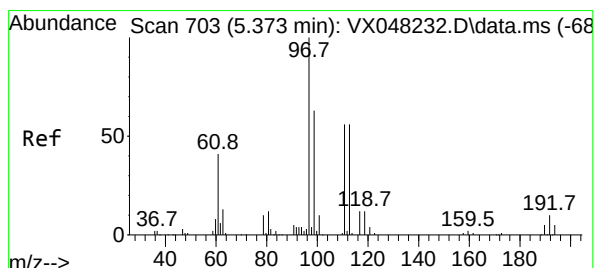
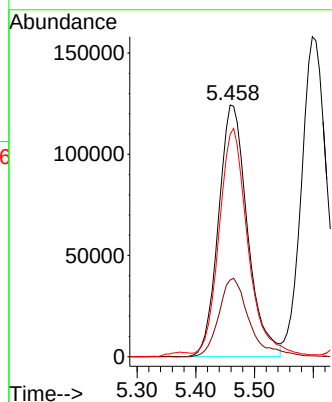
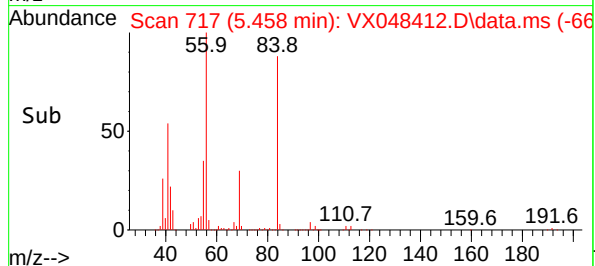
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150



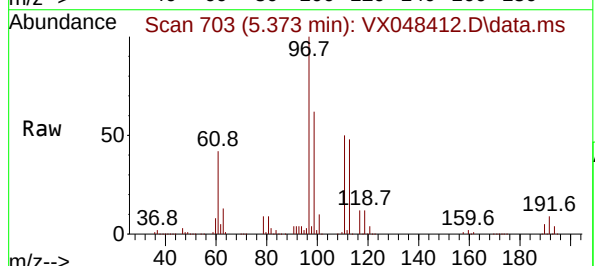
Tgt Ion: 56 Resp: 426944  
Ion Ratio Lower Upper  
56 100  
69 30.0 23.0 34.6  
84 86.5 64.6 97.0

Manual Integrations  
APPROVED

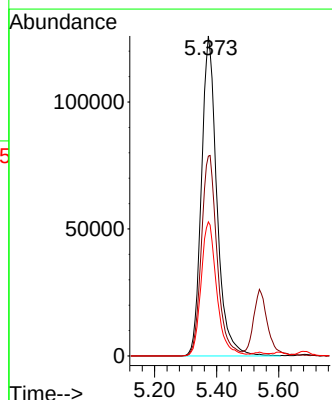
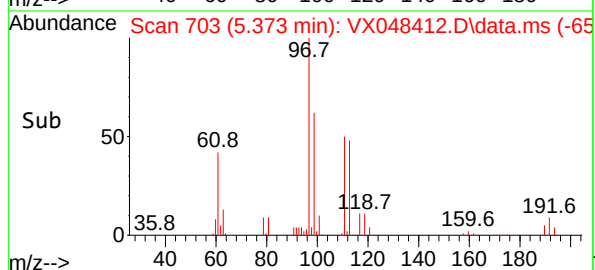
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

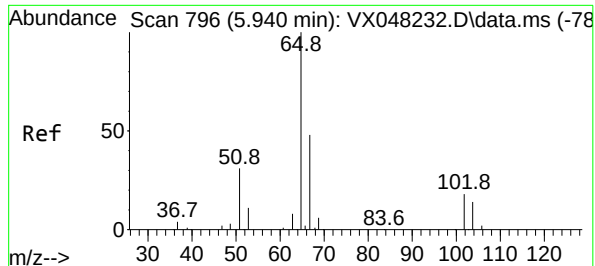


#32  
1,1,1-Trichloroethane  
Concen: 156.431 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03



Tgt Ion: 97 Resp: 435417  
Ion Ratio Lower Upper  
97 100  
99 63.7 51.7 77.5  
61 42.5 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 154.097 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 296654

Ion Ratio Lower Upper

65 100

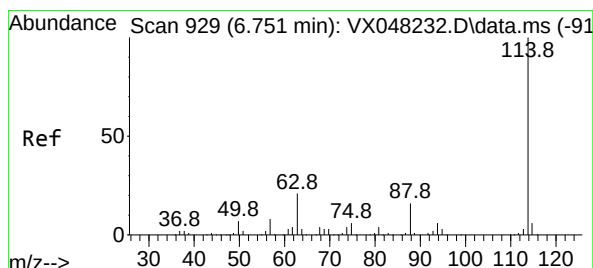
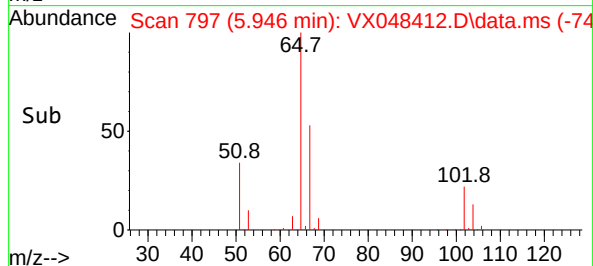
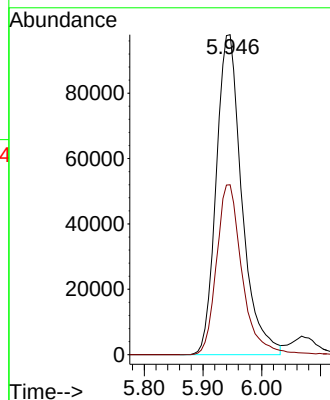
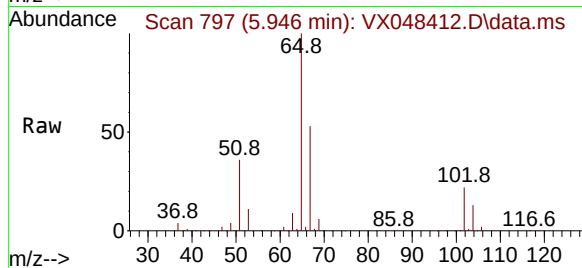
67 53.2 0.0 105.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

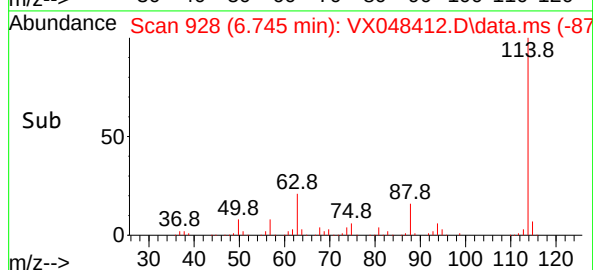
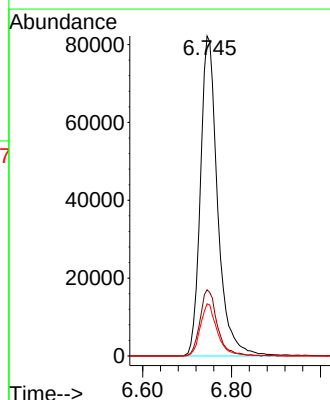
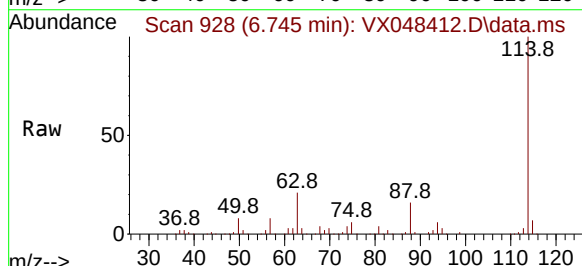
Tgt Ion:114 Resp: 221426

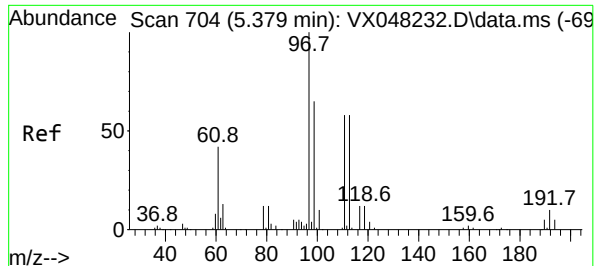
Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.2

88 16.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 161.437 ug/l

RT: 5.373 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion:113 Resp: 20380

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

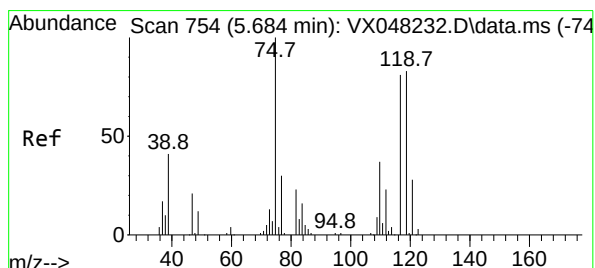
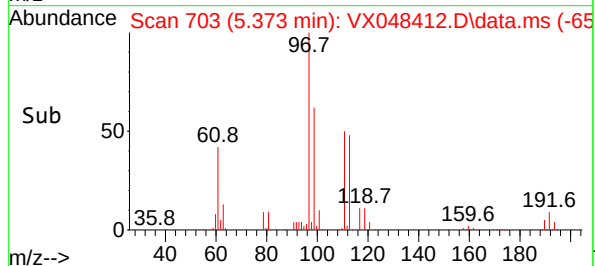
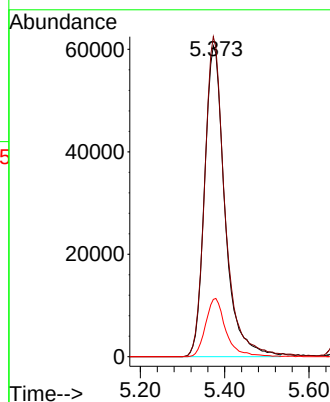
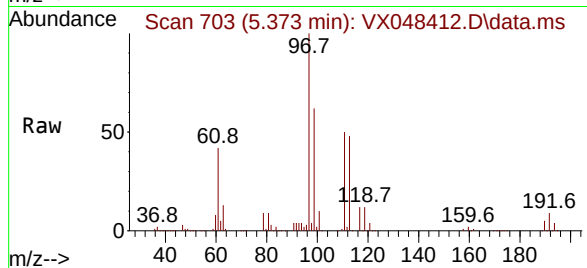
192 18.7 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#36

1,1-Dichloropropene

Concen: 160.053 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

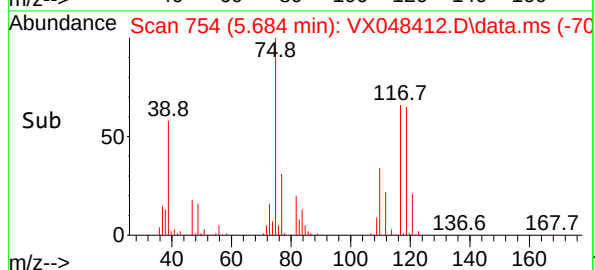
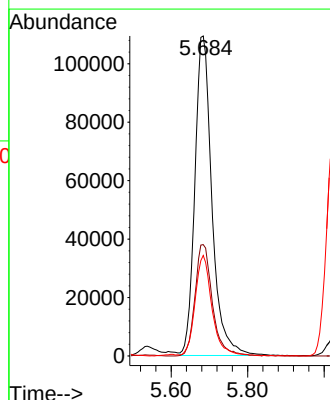
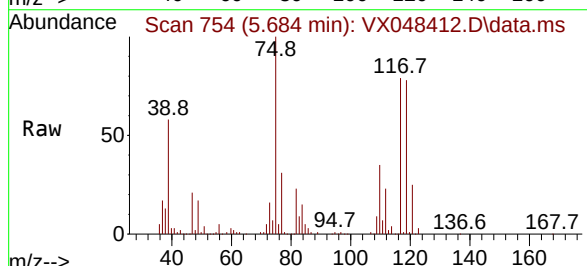
Tgt Ion: 75 Resp: 339315

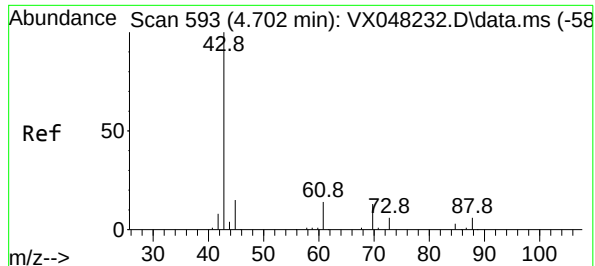
Ion Ratio Lower Upper

75 100

110 35.6 17.7 53.1

77 30.9 24.3 36.5





#37

Ethyl Acetate

Concen: 158.070 ug/l

RT: 4.696 min Scan# 593

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

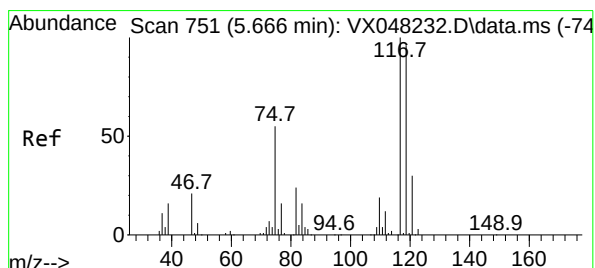
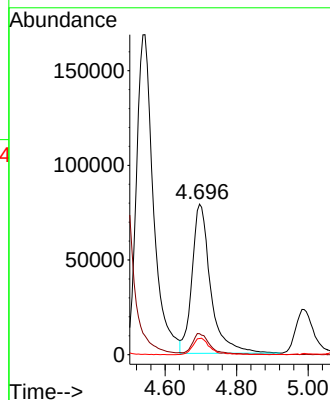
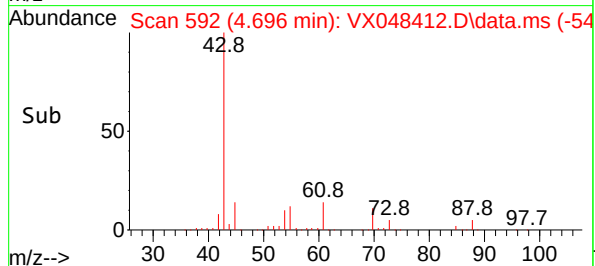
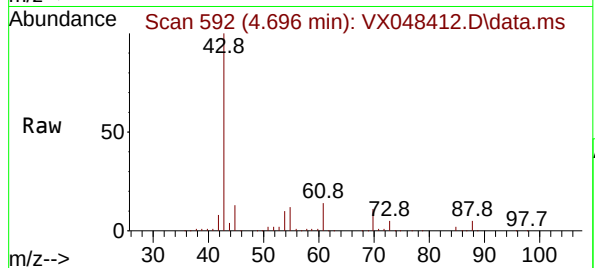
VSTDICC150

| Tgt Ion: | 43    | Resp: | 28550 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 13.0  | 10.6  | 15.8  |
| 70       | 10.3  | 7.8   | 11.6  |

**Manual Integrations**  
**APPROVED**

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#38

Carbon Tetrachloride

Concen: 155.159 ug/l

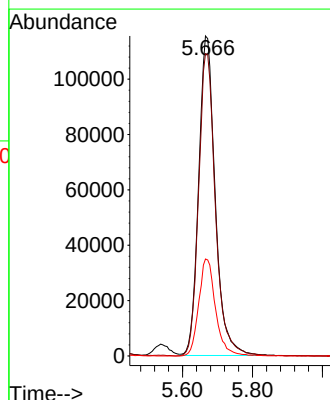
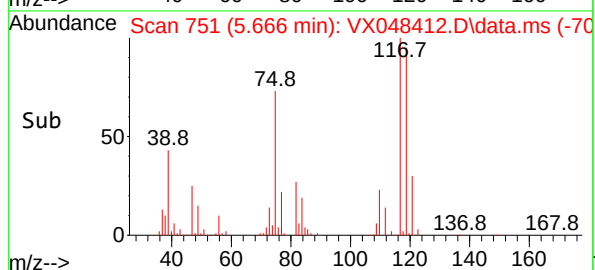
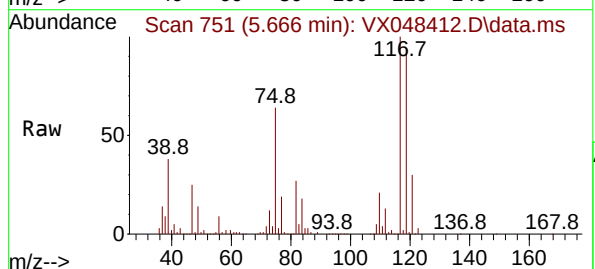
RT: 5.666 min Scan# 751

Delta R.T. 0.000 min

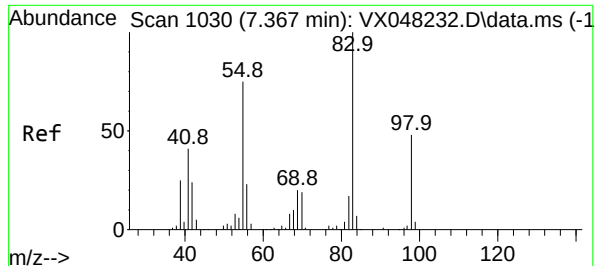
Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

| Tgt Ion: | 117   | Resp: | 379794 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 94.5  | 77.2  | 115.8  |
| 121      | 30.4  | 24.8  | 37.2   |







#39

Methylcyclohexane

Concen: 169.485 ug/l

RT: 7.366 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 462064

Ion Ratio Lower Upper

83 100

55 77.1 66.2 99.2

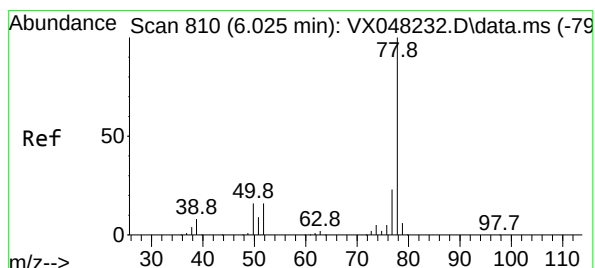
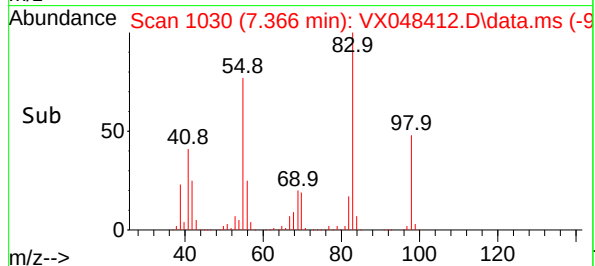
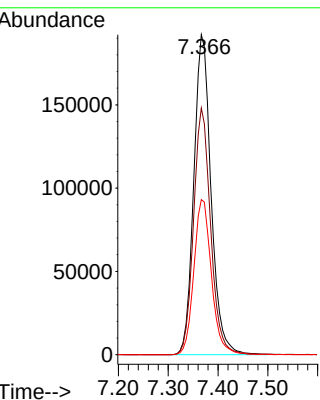
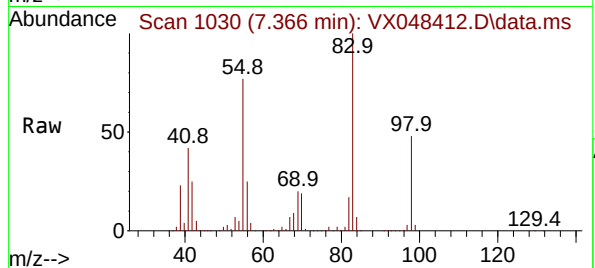
98 48.4 38.9 58.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#40

Benzene

Concen: 156.299 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX048412.D

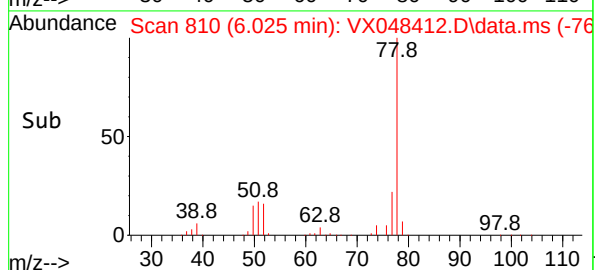
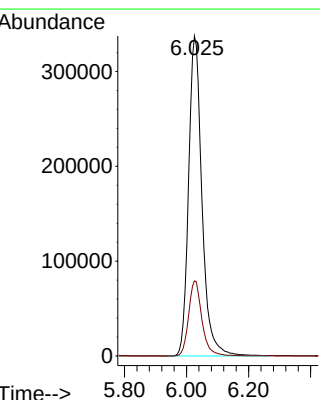
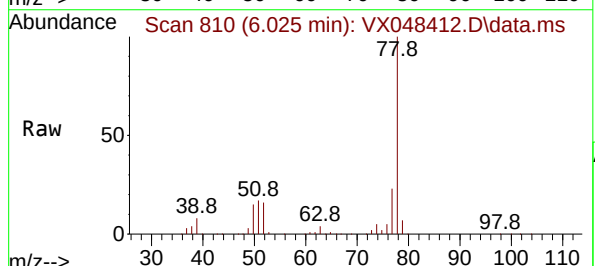
Acq: 29 Oct 2025 13:03

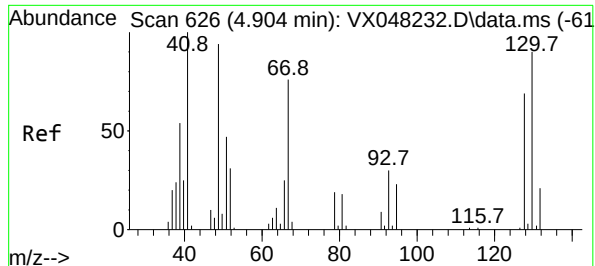
Tgt Ion: 78 Resp: 1012290

Ion Ratio Lower Upper

78 100

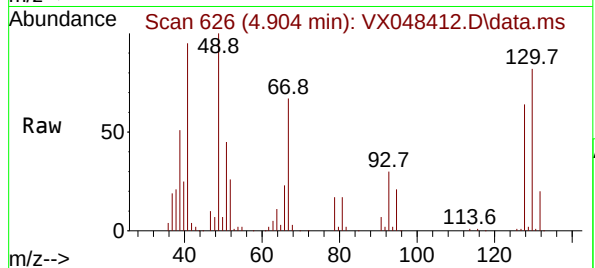
77 23.5 19.3 28.9





#41  
Methacrylonitrile  
Concen: 157.424 ug/l  
RT: 4.904 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

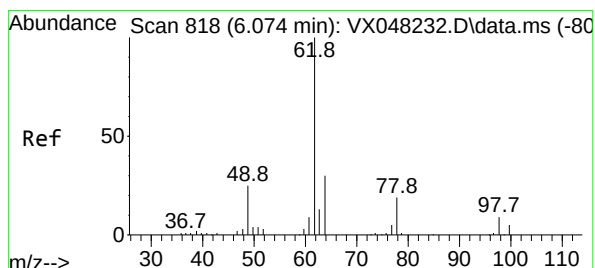
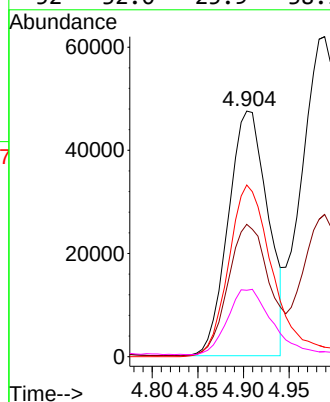
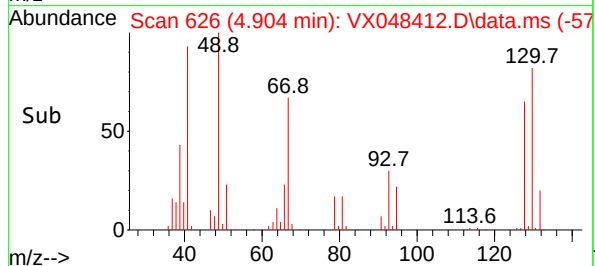
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150



Tgt Ion: 41 Resp: 14322  
Ion Ratio Lower Upper  
41 100  
39 56.3 44.0 66.0  
67 81.3 58.7 88.1  
52 32.0 25.9 38.9

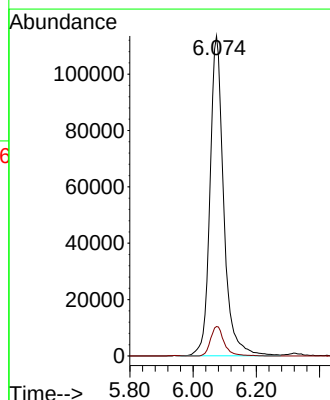
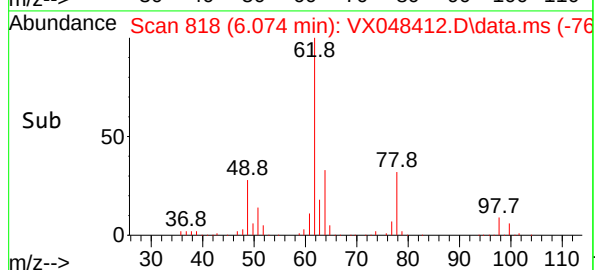
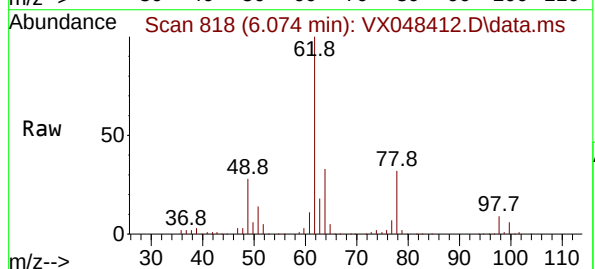
Manual Integrations  
APPROVED

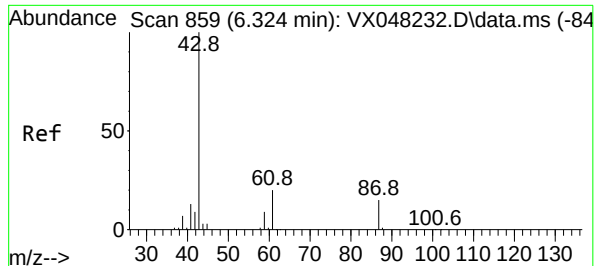
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#42  
1,2-Dichloroethane  
Concen: 150.080 ug/l  
RT: 6.074 min Scan# 818  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Tgt Ion: 62 Resp: 342371  
Ion Ratio Lower Upper  
62 100  
98 9.2 0.0 17.2





#43

Isopropyl Acetate

Concen: 159.192 ug/l

RT: 6.324 min Scan# 859

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 474710

Ion Ratio Lower Upper

43 100

61 20.1 14.9 22.3

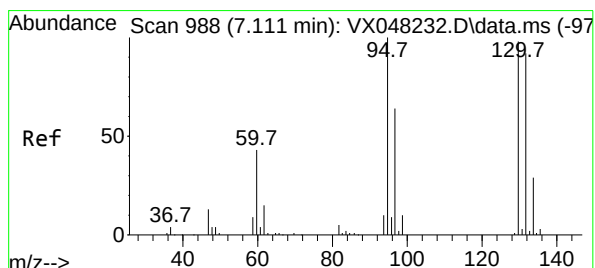
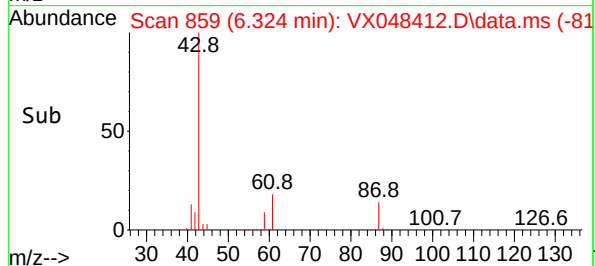
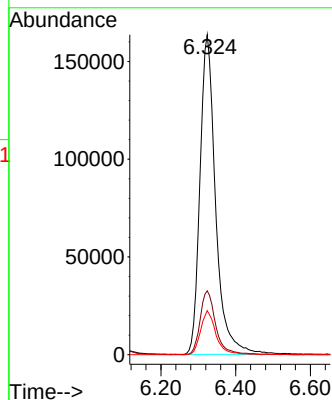
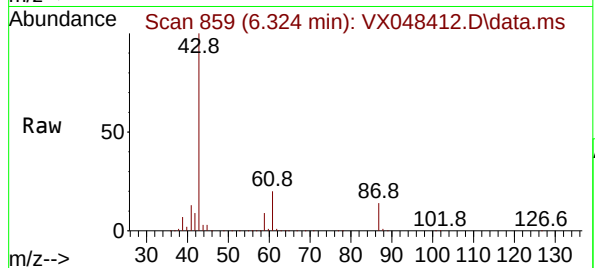
87 13.5 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#44

Trichloroethene

Concen: 158.985 ug/l

RT: 7.110 min Scan# 988

Delta R.T. 0.000 min

Lab File: VX048412.D

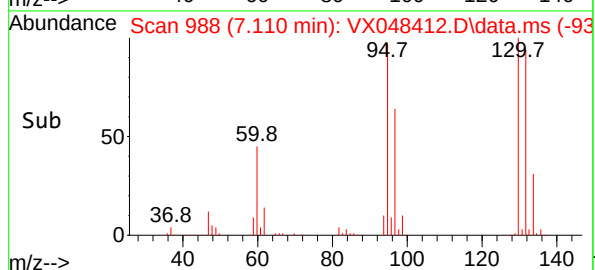
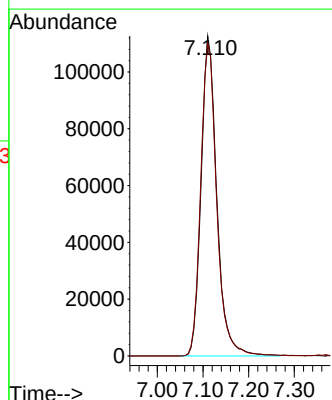
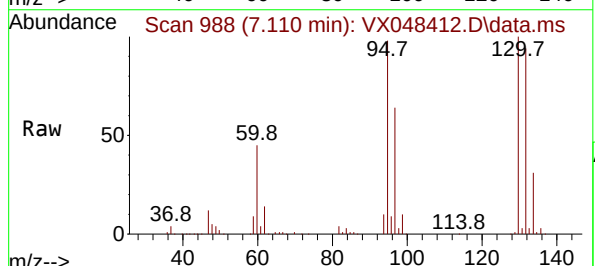
Acq: 29 Oct 2025 13:03

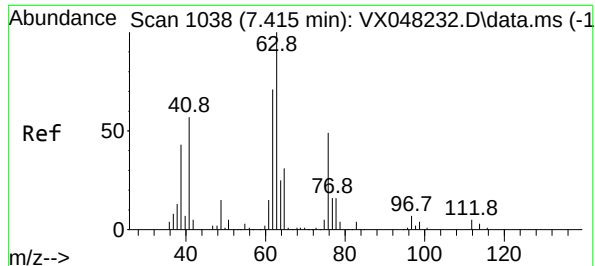
Tgt Ion:130 Resp: 269776

Ion Ratio Lower Upper

130 100

95 97.5 0.0 200.6





#45

1,2-Dichloropropane

Concen: 154.807 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 250400

Ion Ratio Lower Upper

63 100

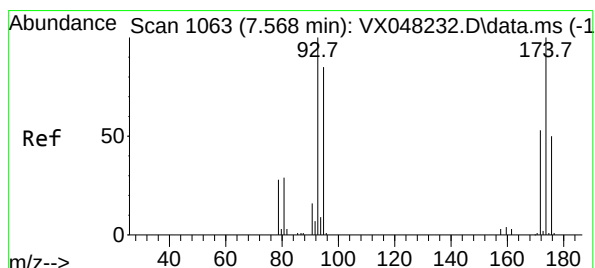
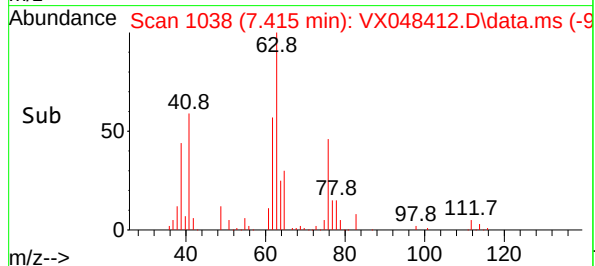
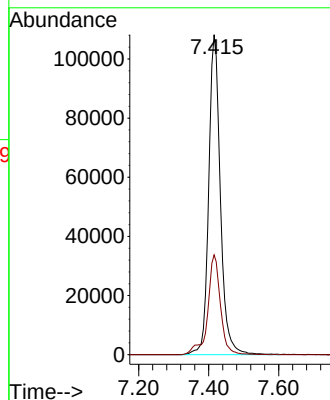
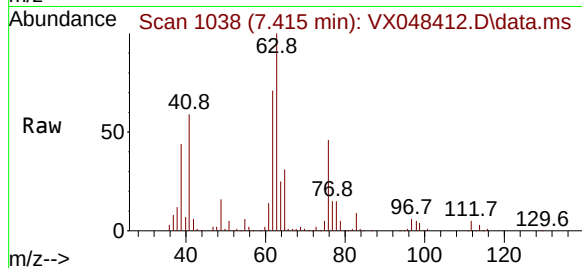
65 31.2 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#46

Dibromomethane

Concen: 154.540 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

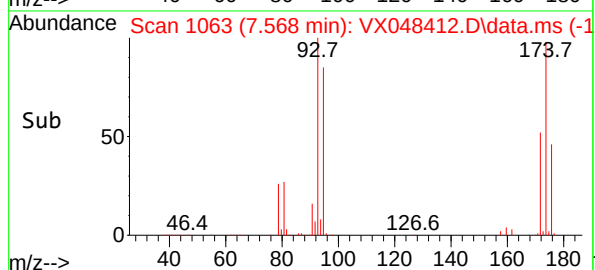
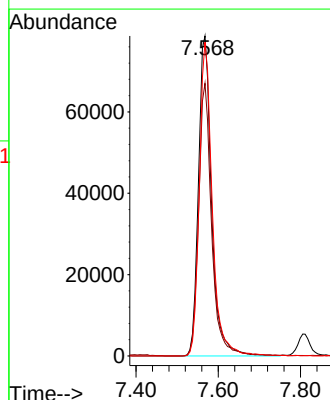
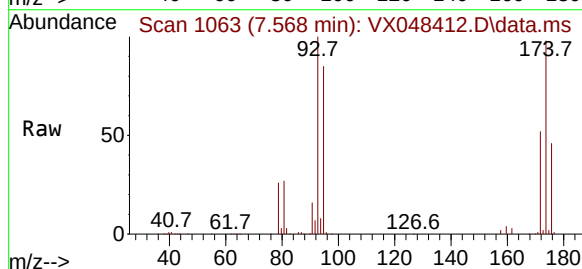
Tgt Ion: 93 Resp: 174988

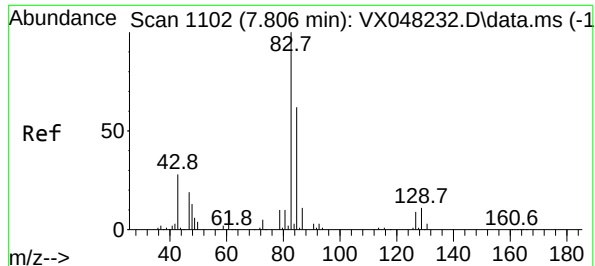
Ion Ratio Lower Upper

93 100

95 83.9 65.9 98.9

174 96.3 71.7 107.5





#47

Bromodichloromethane

Concen: 151.939 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 36554

Ion Ratio Lower Upper

83 100

85 62.9 52.2 78.4

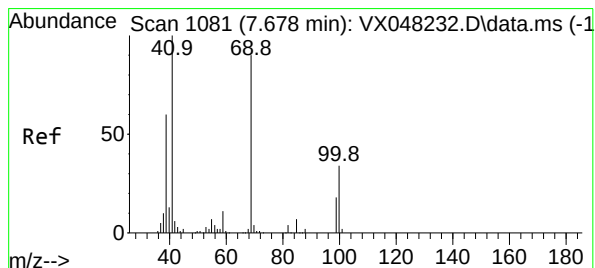
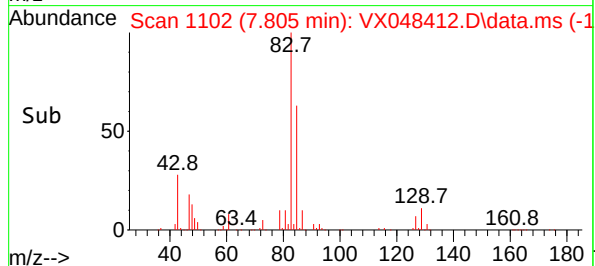
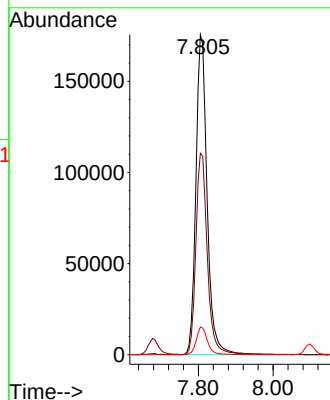
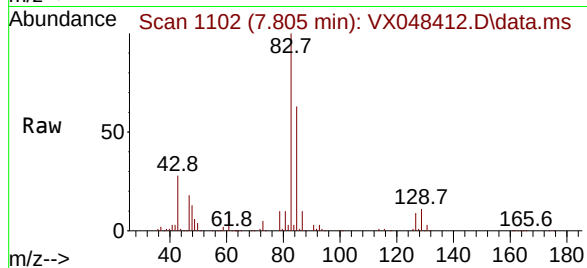
127 8.7 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#48

Methyl methacrylate

Concen: 166.402 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

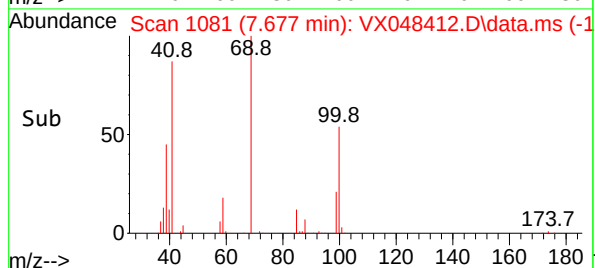
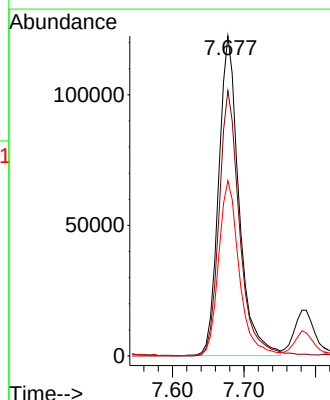
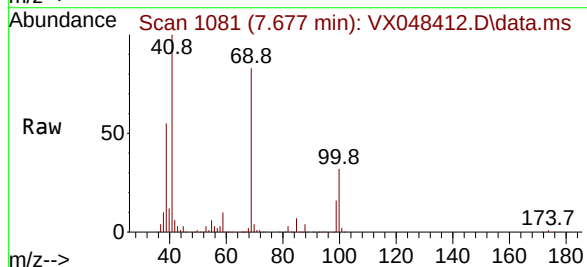
Tgt Ion: 41 Resp: 241987

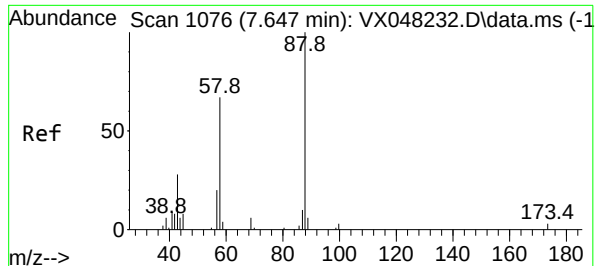
Ion Ratio Lower Upper

41 100

69 84.2 63.4 95.0

39 55.4 47.1 70.7





#49

1,4-Dioxane

Concen: 3443.207 ug/l

RT: 7.647 min Scan# 1076

Delta R.T. 0.006 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

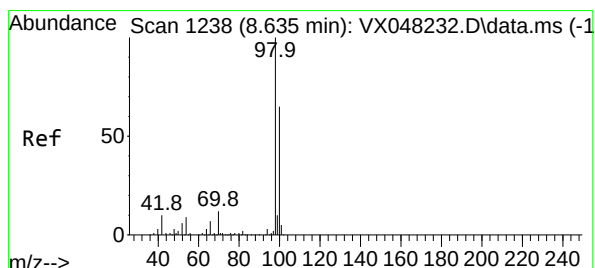
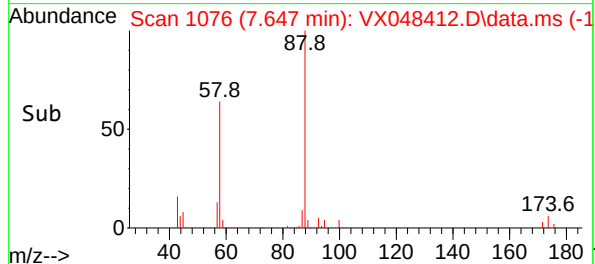
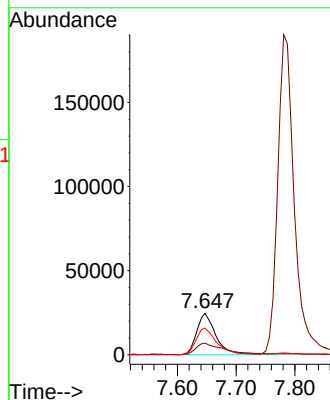
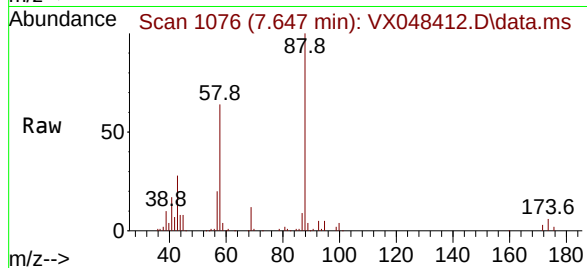
VSTDIC150

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 5691  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 37.5  | 35.0  | 52.4  |
| 58       | 69.0  | 61.9  | 92.9  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#50

Toluene-d8

Concen: 159.591 ug/l

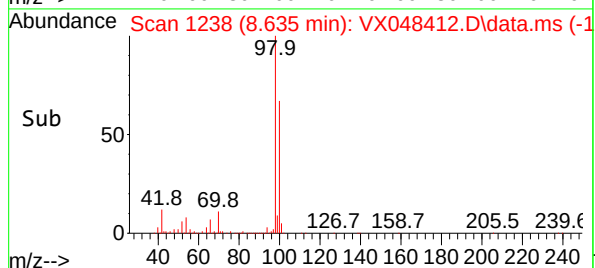
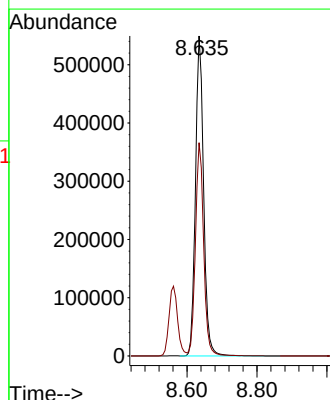
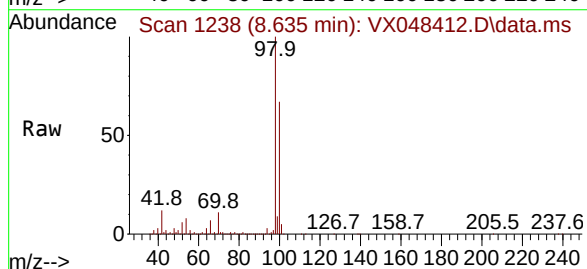
RT: 8.635 min Scan# 1238

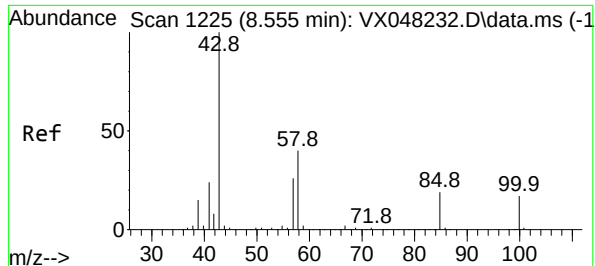
Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 889352 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 67.3  | 53.0  | 79.4   |





#51

4-Methyl-2-Pentanone

Concen: 776.723 ug/l

RT: 8.561 min Scan# 1226

Delta R.T. 0.006 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 128904

Ion Ratio Lower Upper

43 100

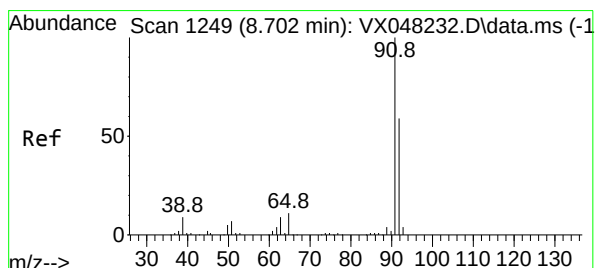
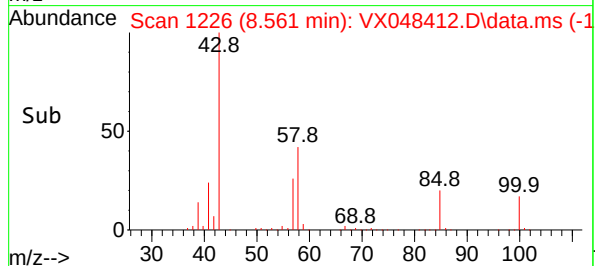
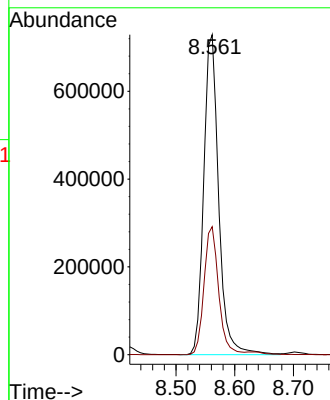
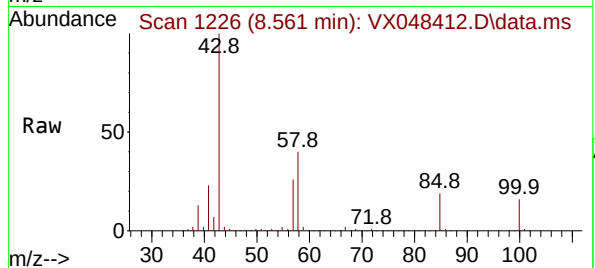
58 39.2 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#52

Toluene

Concen: 156.693 ug/l

RT: 8.702 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VX048412.D

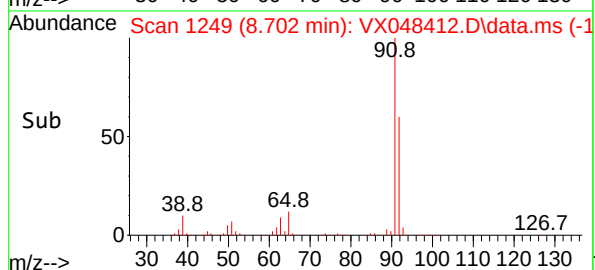
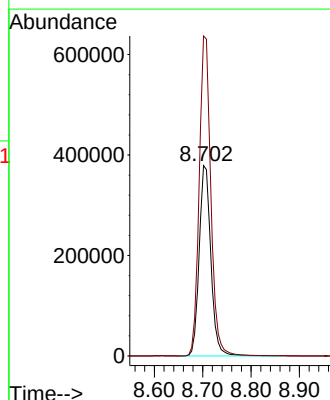
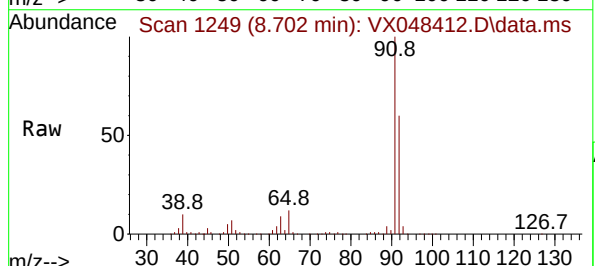
Acq: 29 Oct 2025 13:03

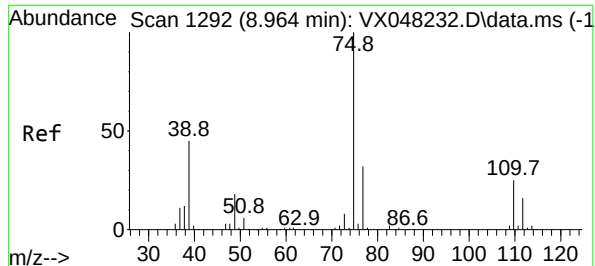
Tgt Ion: 92 Resp: 634130

Ion Ratio Lower Upper

92 100

91 168.1 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 150.209 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 327554

Ion Ratio Lower Upper

75 100

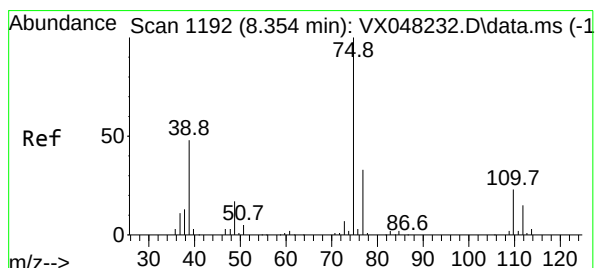
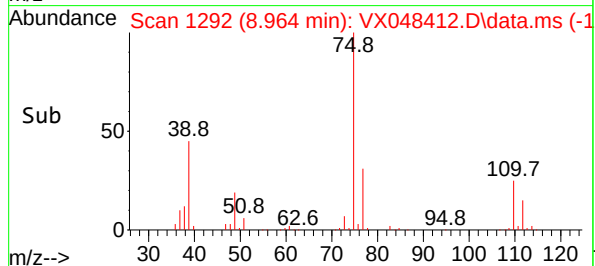
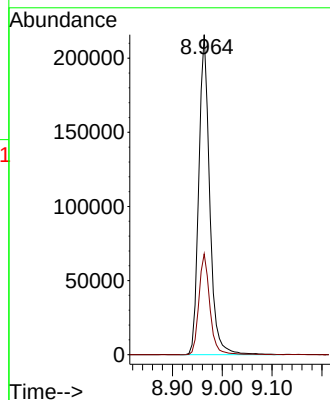
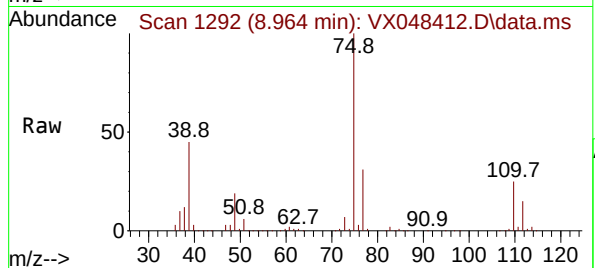
77 31.5 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#54

cis-1,3-Dichloropropene

Concen: 142.929 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

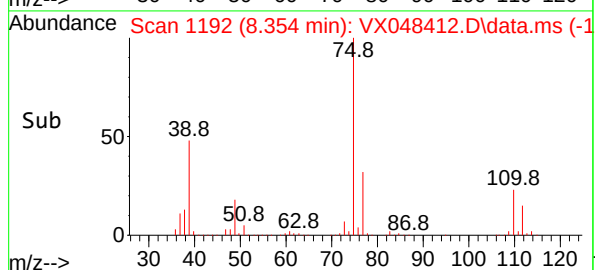
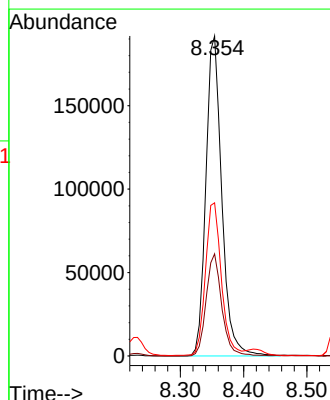
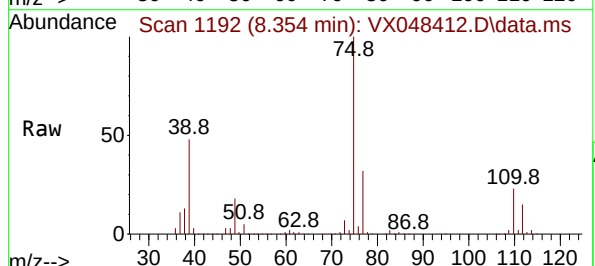
Tgt Ion: 75 Resp: 335804

Ion Ratio Lower Upper

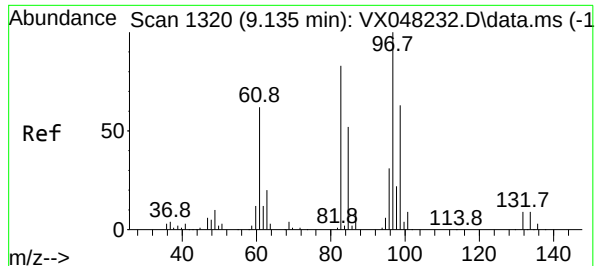
75 100

77 31.9 24.9 37.3

39 47.6 42.6 64.0







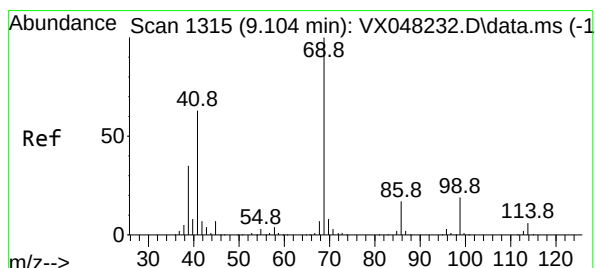
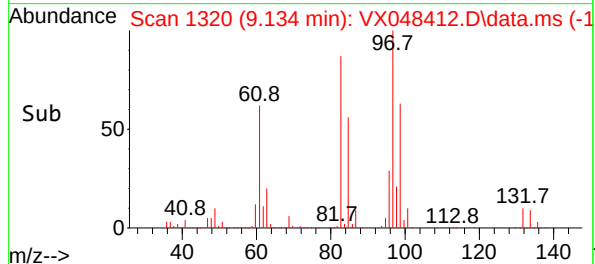
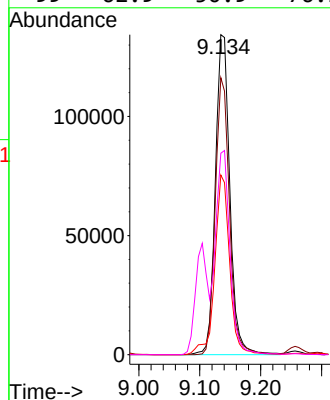
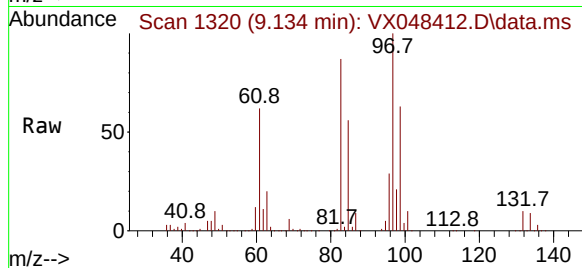
#55  
1,1,2-Trichloroethane  
Concen: 151.673 ug/l  
RT: 9.134 min Scan# 1320  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 222130 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 86.5  | 70.6  | 105.8  |
| 85       | 56.2  | 45.0  | 67.6   |
| 99       | 62.9  | 50.9  | 76.3   |

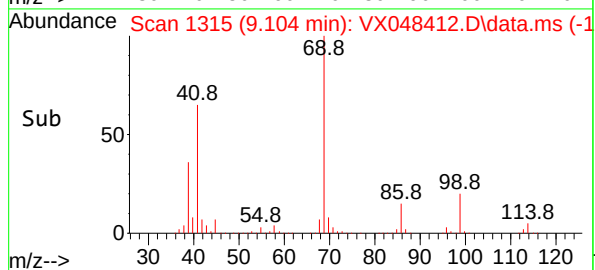
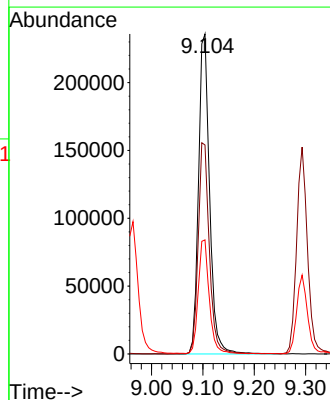
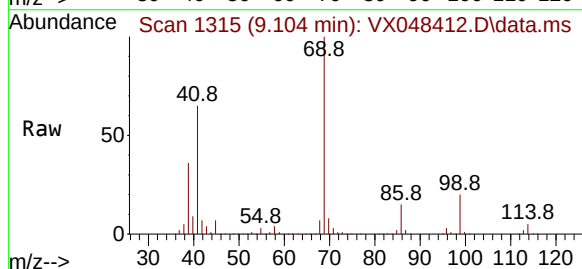
Manual Integrations  
APPROVED

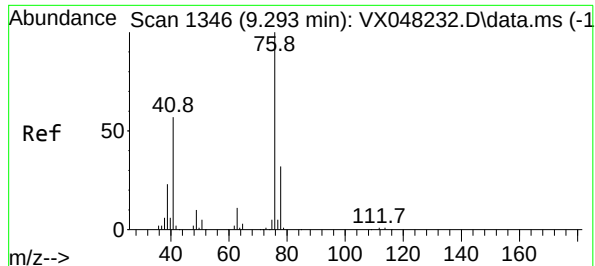
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#56  
Ethyl methacrylate  
Concen: 164.986 ug/l  
RT: 9.104 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 353810 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 66.0  | 56.0  | 84.0   |
| 39       | 35.4  | 31.6  | 47.4   |





#57

1,3-Dichloropropane

Concen: 150.457 ug/l

RT: 9.293 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 38206

Ion Ratio Lower Upper

76 100

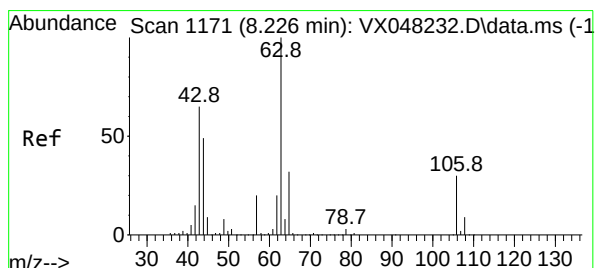
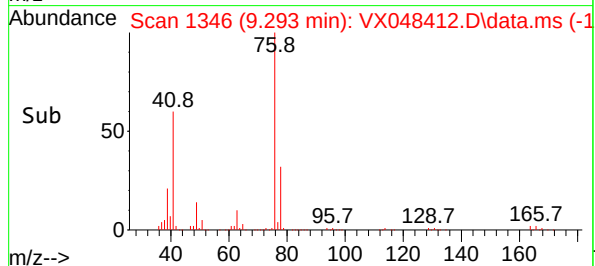
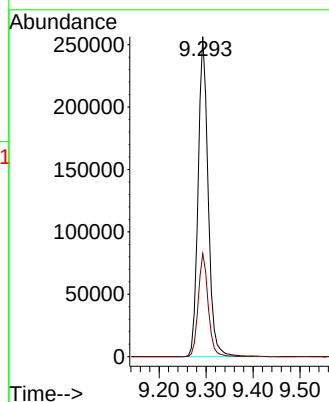
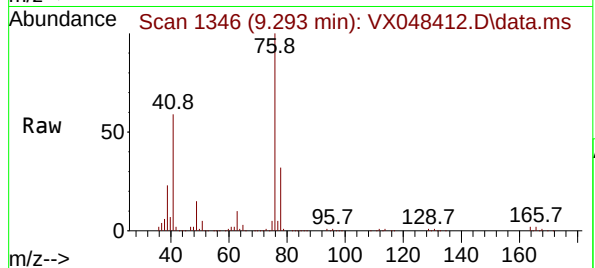
78 32.0 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#58

2-Chloroethyl Vinyl ether

Concen: 765.777 ug/l

RT: 8.232 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VX048412.D

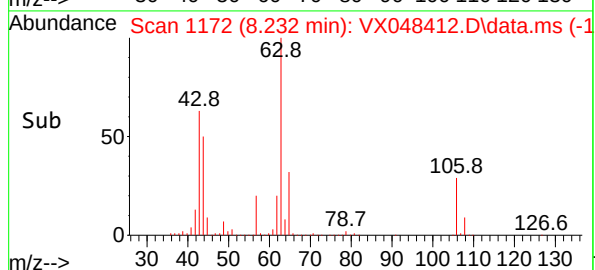
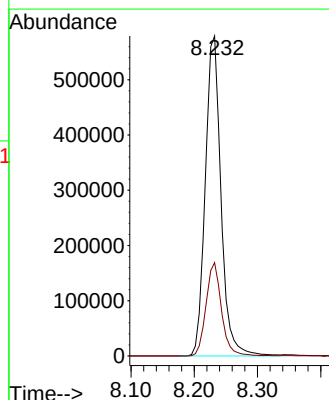
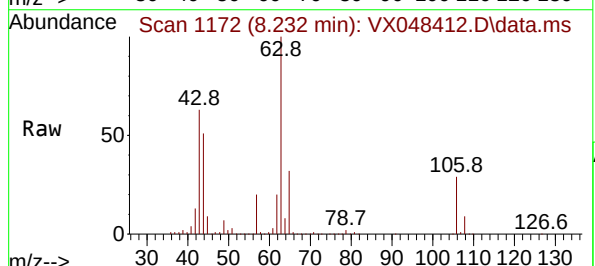
Acq: 29 Oct 2025 13:03

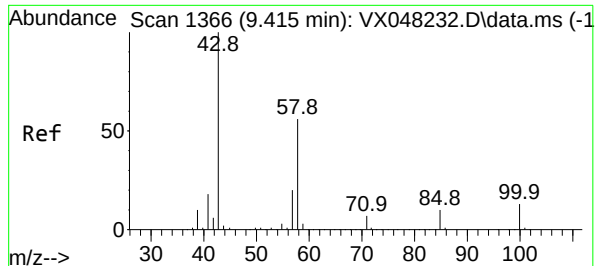
Tgt Ion: 63 Resp: 1003535

Ion Ratio Lower Upper

63 100

106 28.9 22.2 33.2





#59

2-Hexanone

Concen: 808.982 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 87359

Ion Ratio Lower Upper

43 100

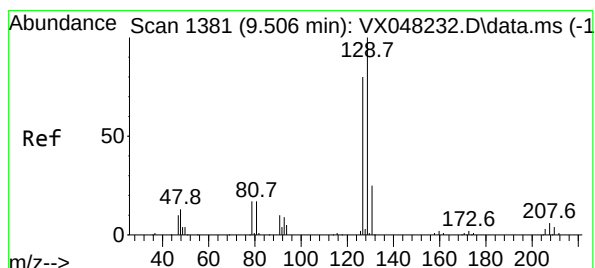
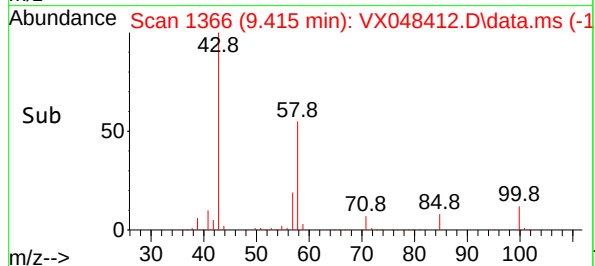
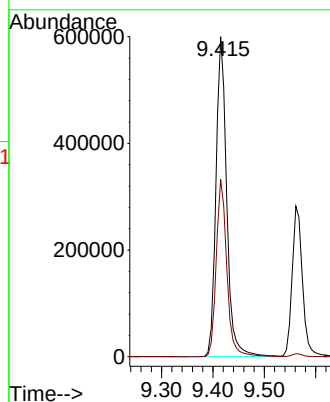
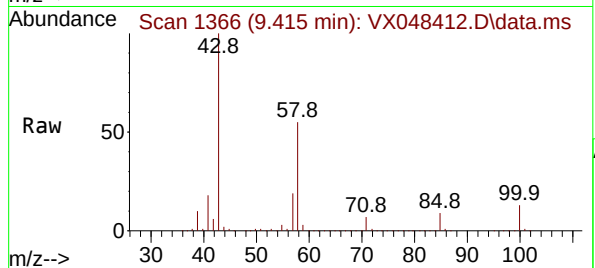
58 54.8 26.3 78.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#60

Dibromochloromethane

Concen: 153.207 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VX048412.D

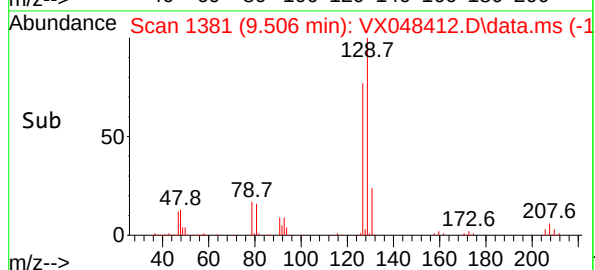
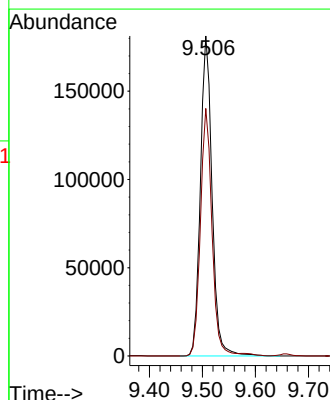
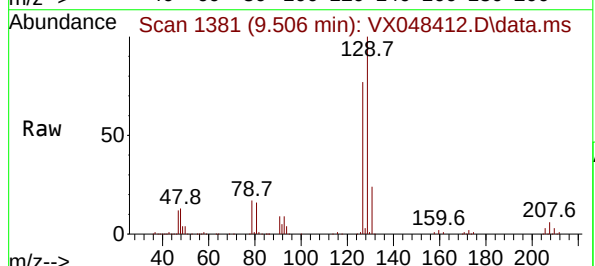
Acq: 29 Oct 2025 13:03

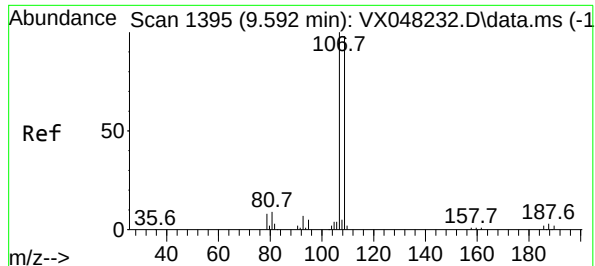
Tgt Ion:129 Resp: 277503

Ion Ratio Lower Upper

129 100

127 76.3 38.6 115.7





#61

1,2-Dibromoethane

Concen: 152.001 ug/l

RT: 9.592 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:107 Resp: 23029

Ion Ratio Lower Upper

107 100

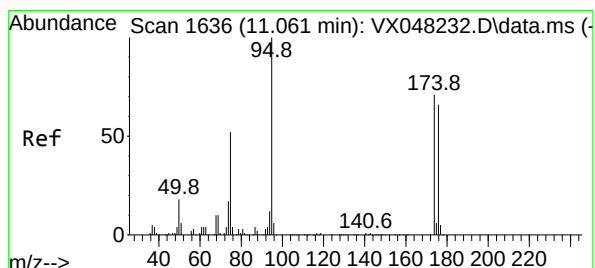
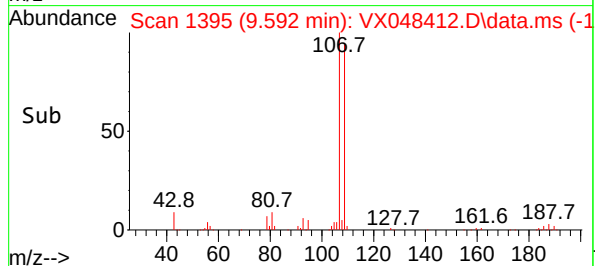
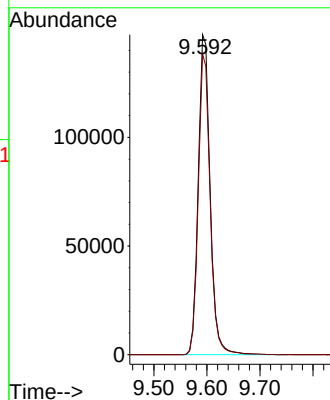
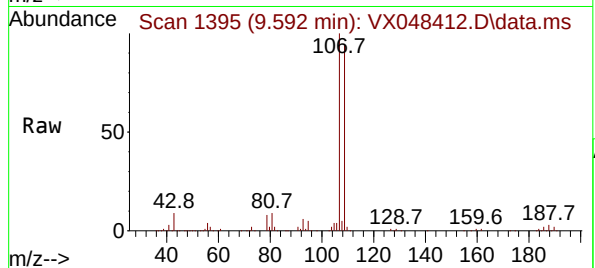
109 93.4 77.0 115.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#62

4-Bromofluorobenzene

Concen: 154.584 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

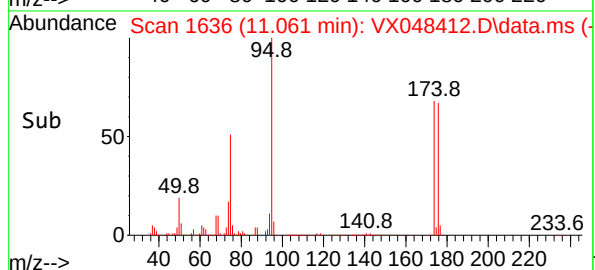
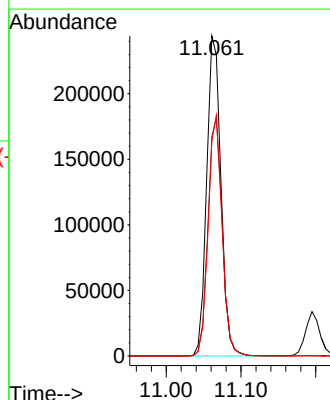
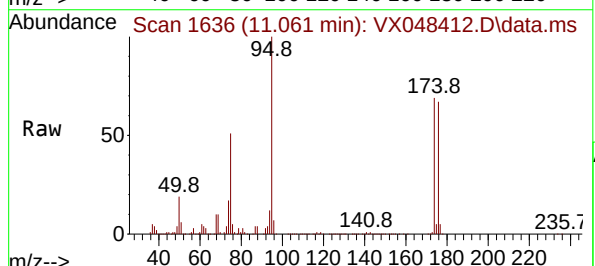
Tgt Ion: 95 Resp: 322251

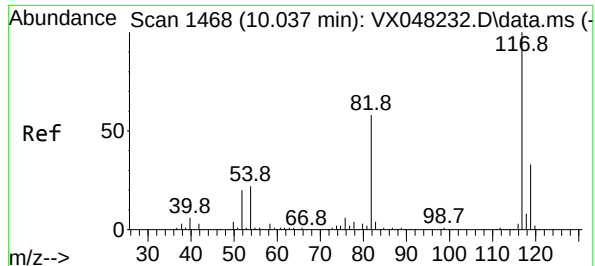
Ion Ratio Lower Upper

95 100

174 74.8 0.0 147.8

176 72.9 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

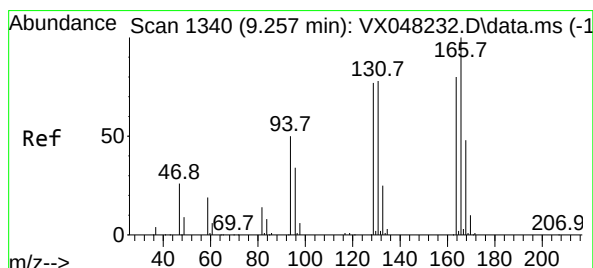
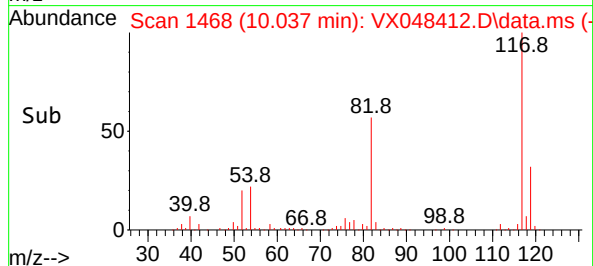
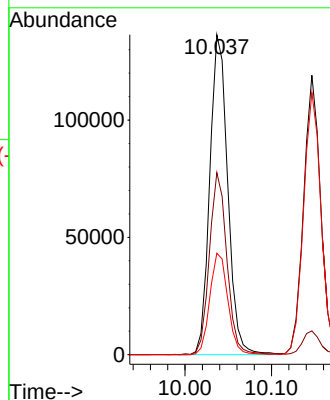
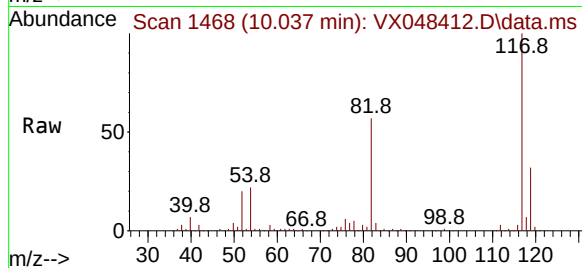
VSTDICC150

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 19641 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 56.7  | 46.5  | 69.7  |
| 119      | 31.7  | 25.9  | 38.9  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#64

Tetrachloroethene

Concen: 152.704 ug/l

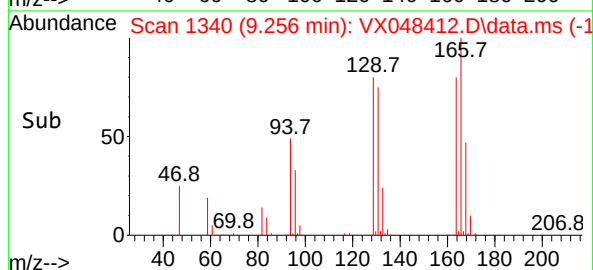
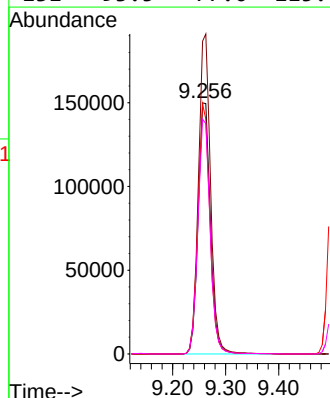
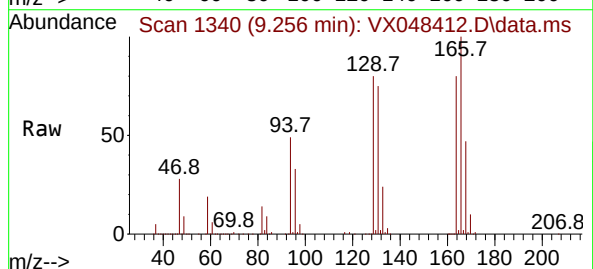
RT: 9.256 min Scan# 1340

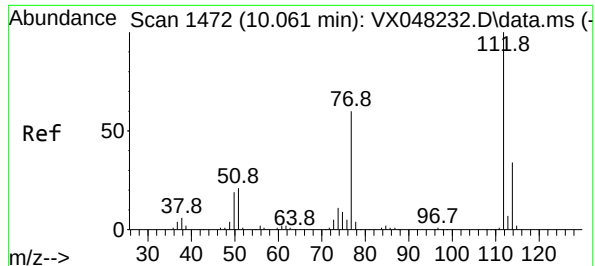
Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 241539 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 166      | 124.6 | 104.5 | 156.7  |
| 129      | 99.5  | 81.8  | 122.6  |
| 131      | 93.5  | 77.0  | 115.6  |





#65

Chlorobenzene

Concen: 153.517 ug/l

RT: 10.061 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion:112 Resp: 69465

Ion Ratio Lower Upper

112 100

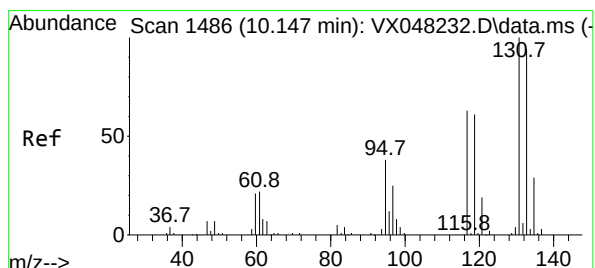
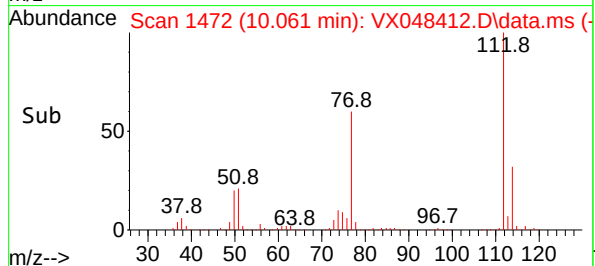
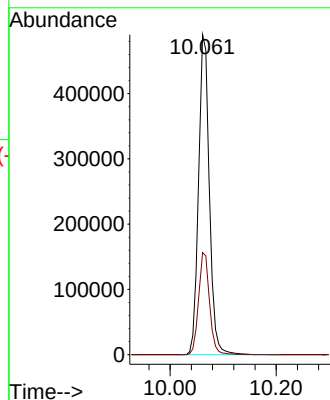
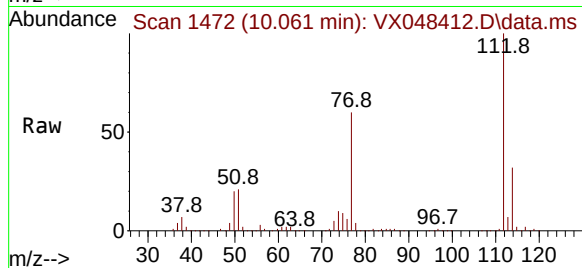
114 31.9 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 159.824 ug/l

RT: 10.146 min Scan# 1486

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

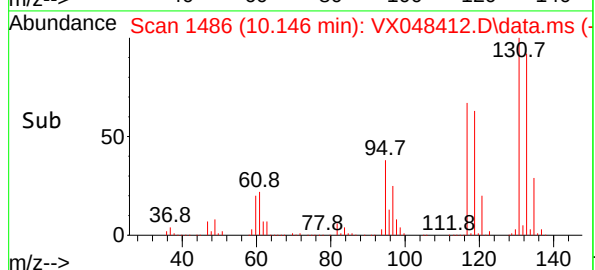
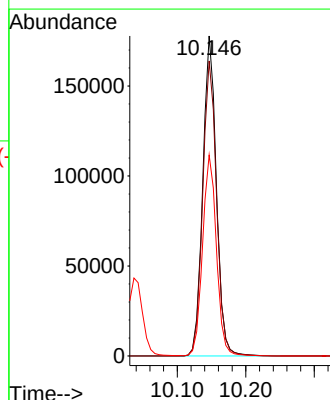
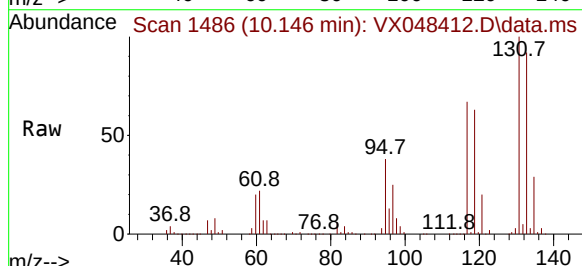
Tgt Ion:131 Resp: 245997

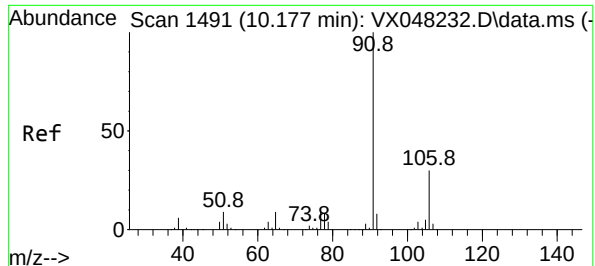
Ion Ratio Lower Upper

131 100

133 93.9 47.6 142.8

119 64.3 32.5 97.5





#67

Ethyl Benzene

Concen: 160.063 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 121949

Ion Ratio Lower Upper

91 100

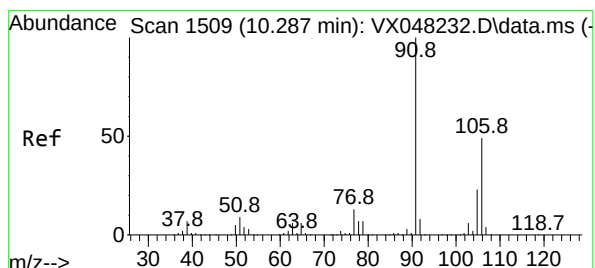
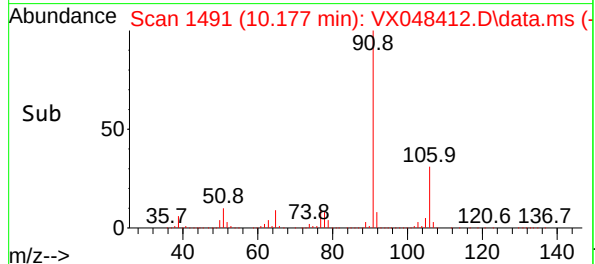
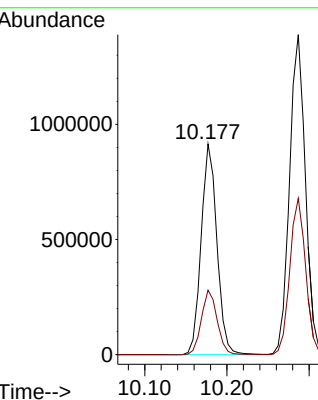
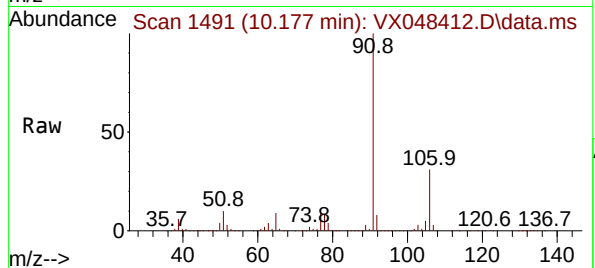
106 30.7 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#68

m/p-Xylenes

Concen: 317.337 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. 0.000 min

Lab File: VX048412.D

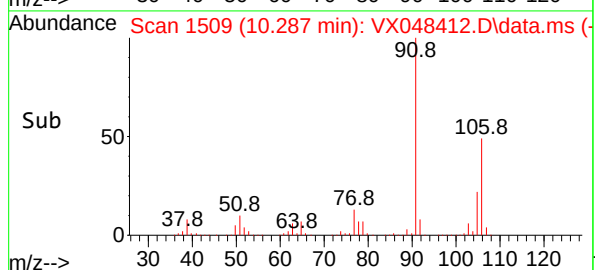
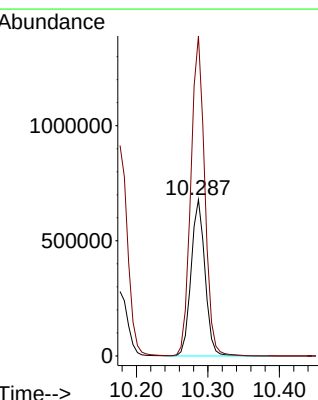
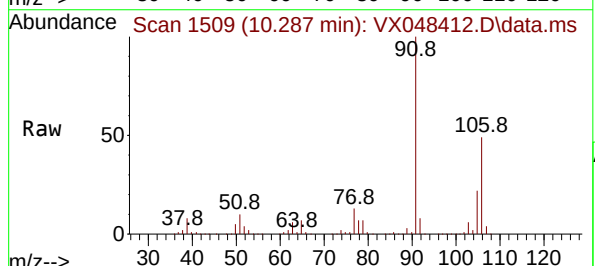
Acq: 29 Oct 2025 13:03

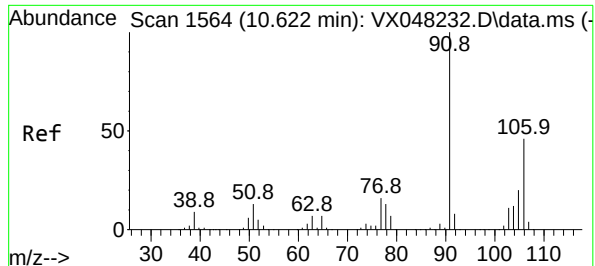
Tgt Ion:106 Resp: 915429

Ion Ratio Lower Upper

106 100

91 205.1 167.9 251.9





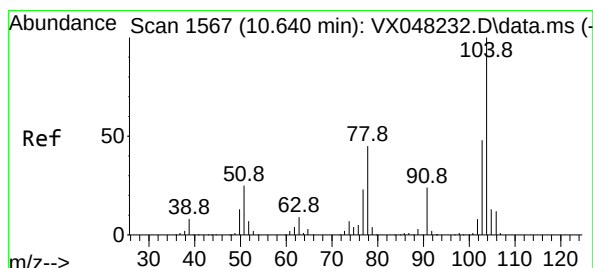
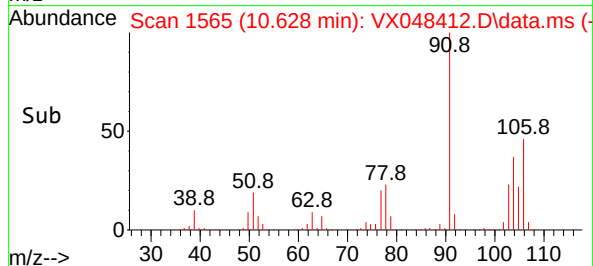
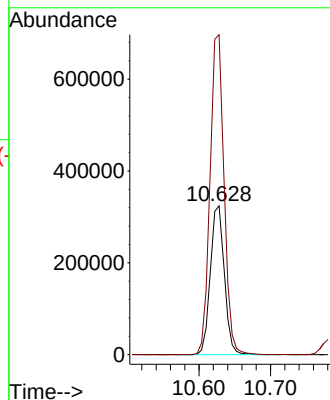
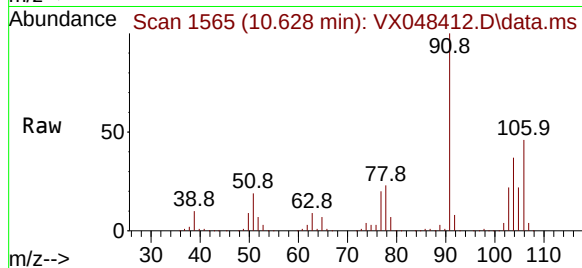
#69  
o-Xylene  
Concen: 160.266 ug/l  
RT: 10.628 min Scan# 1564  
Delta R.T. 0.006 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion:106 Resp: 441800  
Ion Ratio Lower Upper  
106 100  
91 215.2 111.3 333.9

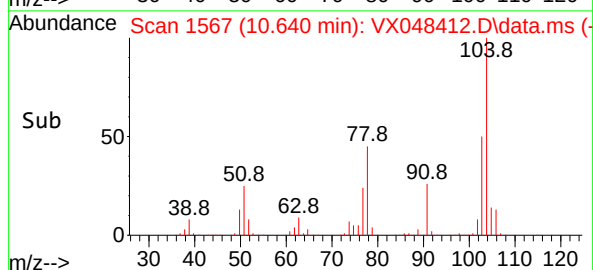
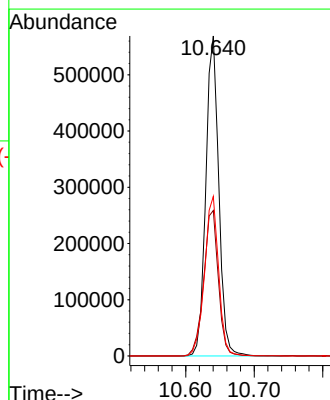
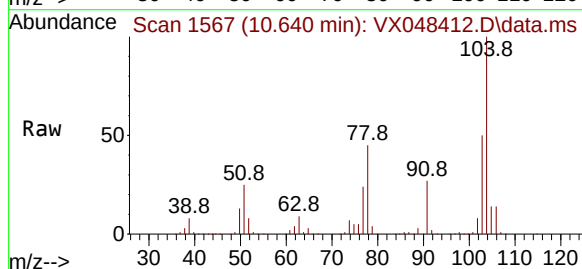
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

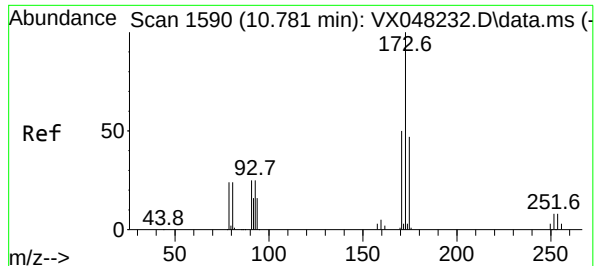


#70  
Styrene  
Concen: 160.637 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Tgt Ion:104 Resp: 750150  
Ion Ratio Lower Upper  
104 100  
78 51.5 42.2 63.4  
103 54.3 43.0 64.4

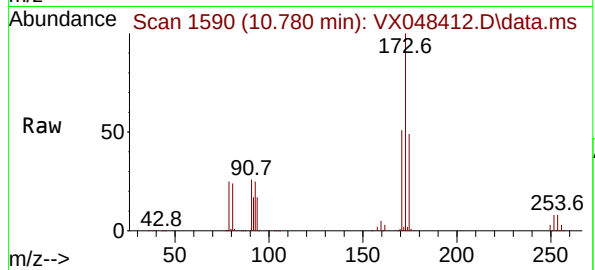






#71  
Bromoform  
Concen: 159.885 ug/l  
RT: 10.780 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

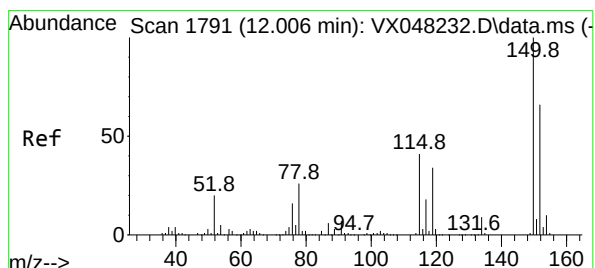
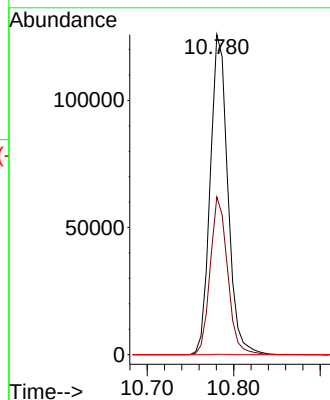
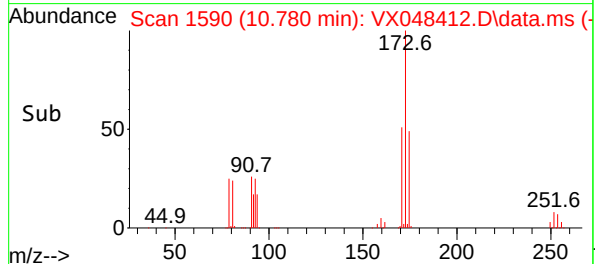
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150



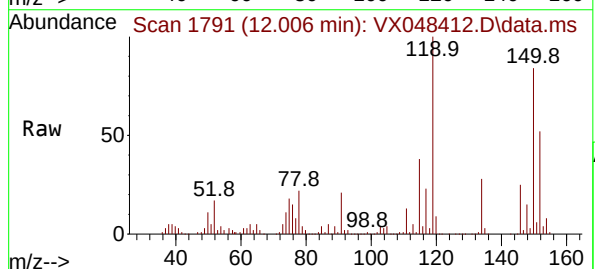
Tgt Ion:173 Resp: 178023  
Ion Ratio Lower Upper  
173 100  
175 48.6 24.0 72.0  
254 0.1 0.0 0.0

Manual Integrations  
APPROVED

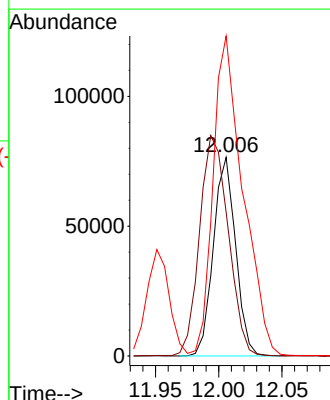
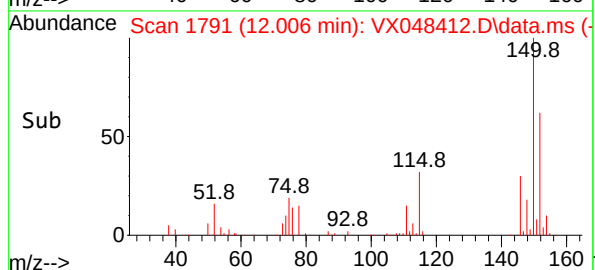
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

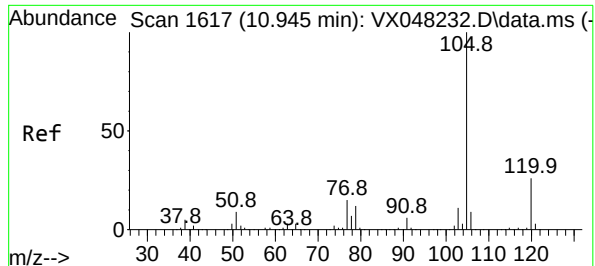


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03



Tgt Ion:152 Resp: 93582  
Ion Ratio Lower Upper  
152 100  
115 143.4 43.1 129.4#  
150 216.4 0.0 353.0





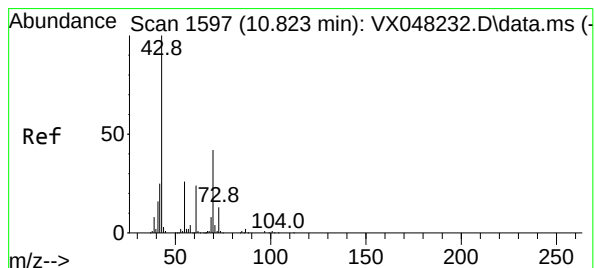
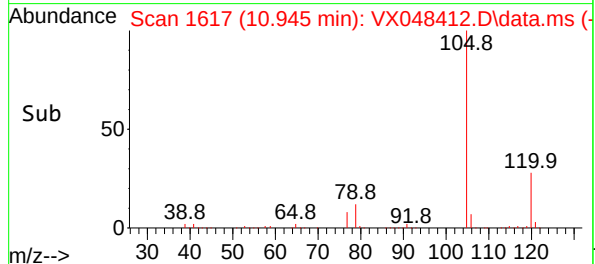
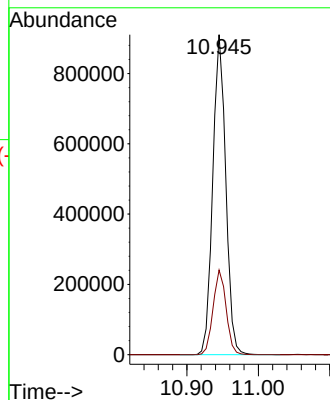
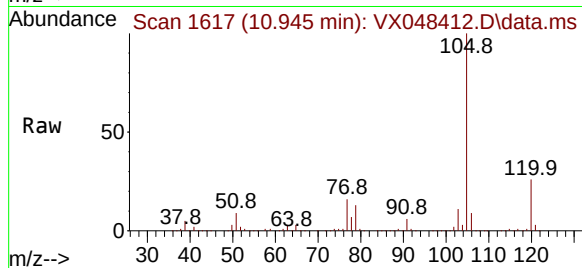
#73  
Isopropylbenzene  
Concen: 165.706 ug/l  
RT: 10.945 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion:105 Resp: 114698  
Ion Ratio Lower Upper  
105 100  
120 26.5 13.0 38.9

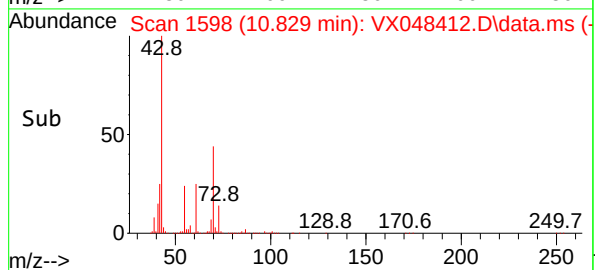
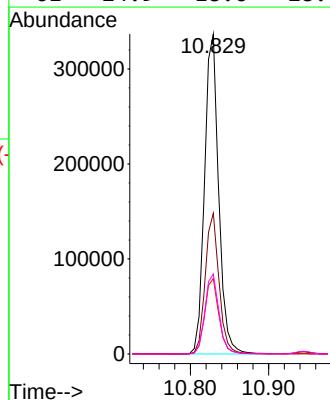
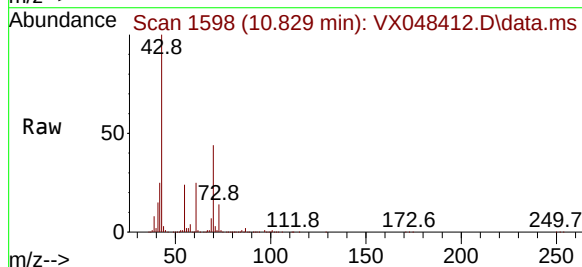
Manual Integrations  
APPROVED

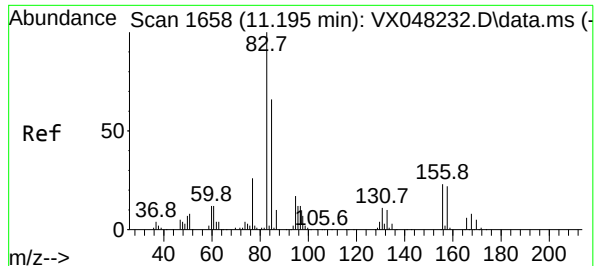
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#74  
N-ethyl acetate  
Concen: 170.178 ug/l  
RT: 10.829 min Scan# 1598  
Delta R.T. 0.006 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Tgt Ion: 43 Resp: 420212  
Ion Ratio Lower Upper  
43 100  
70 43.1 32.2 48.2  
55 23.8 19.1 28.7  
61 24.9 18.6 28.0





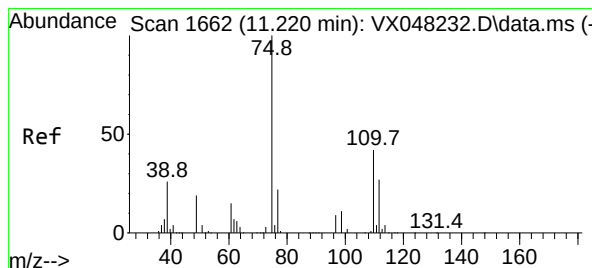
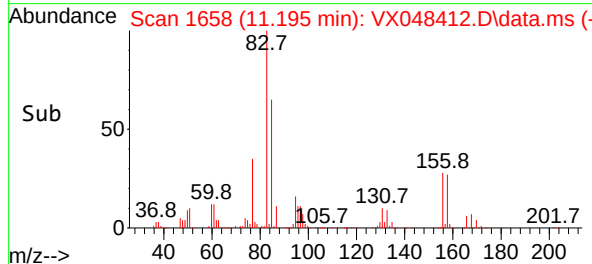
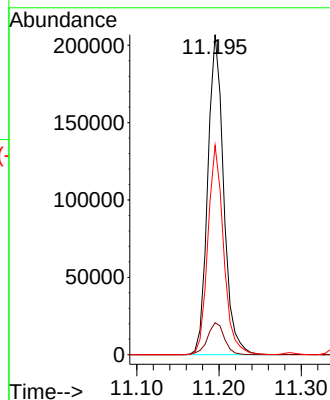
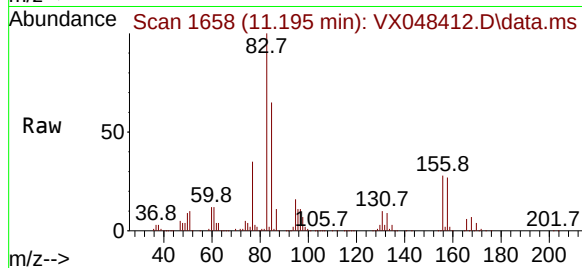
#75  
1,1,2,2-Tetrachloroethane  
Concen: 158.267 ug/l  
RT: 11.195 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion: 83 Resp: 27748  
Ion Ratio Lower Upper  
83 100  
131 10.7 4.8 14.4  
85 64.7 31.9 95.7

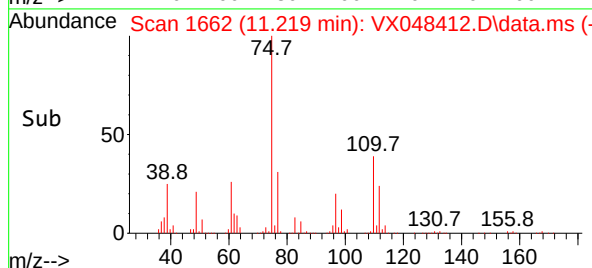
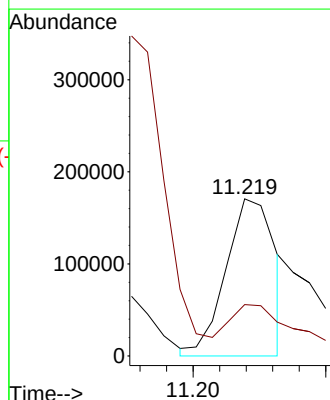
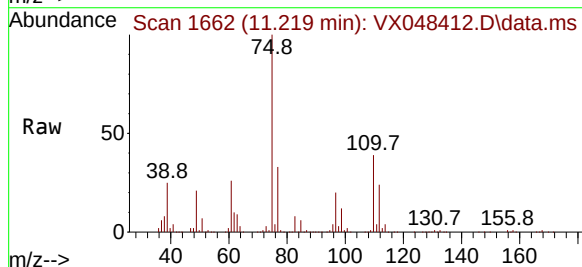
Manual Integrations  
APPROVED

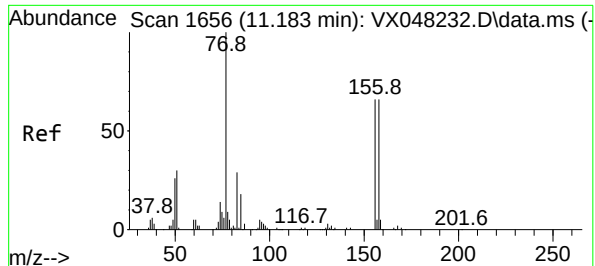
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#76  
1,2,3-Trichloropropane  
Concen: 149.808 ug/l m  
RT: 11.219 min Scan# 1662  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Tgt Ion: 75 Resp: 218653  
Ion Ratio Lower Upper  
75 100  
77 44.6 22.4 67.2





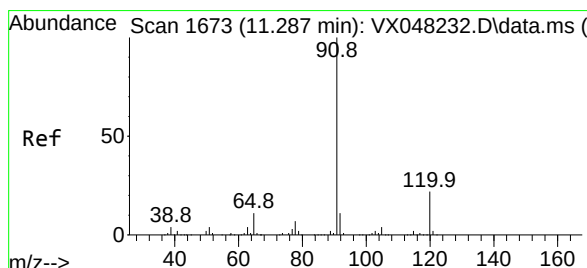
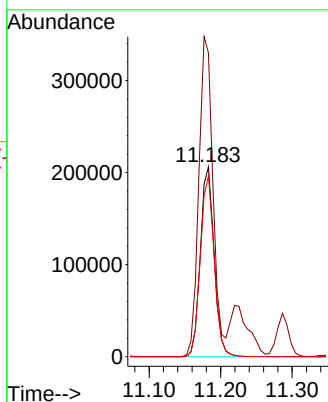
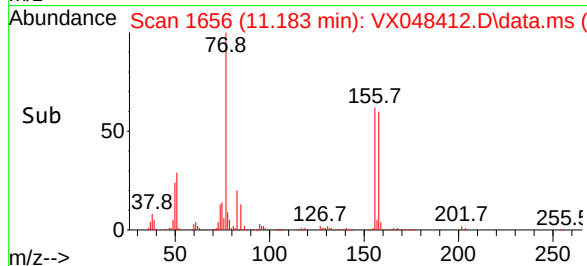
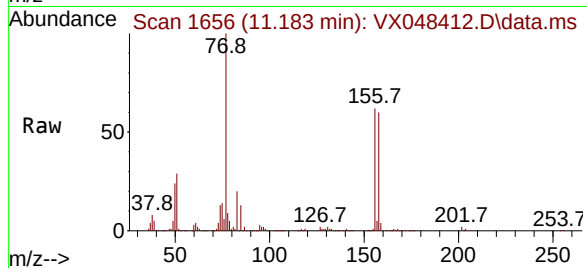
#77  
Bromobenzene  
Concen: 161.530 ug/l  
RT: 11.183 min Scan# 1656  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion:156 Resp: 276189  
Ion Ratio Lower Upper  
156 100  
77 173.0 87.0 261.0  
158 95.6 47.8 143.4

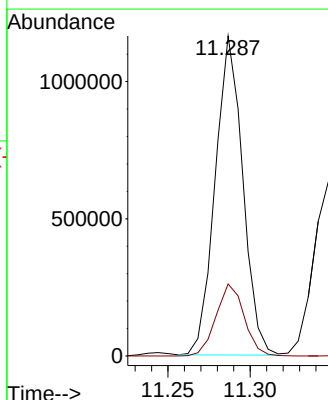
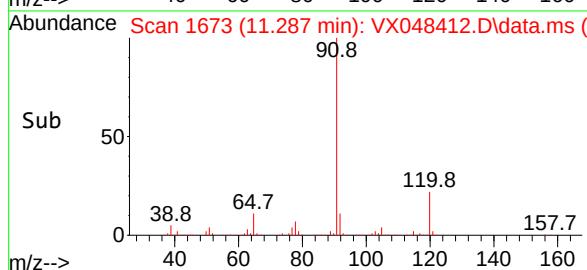
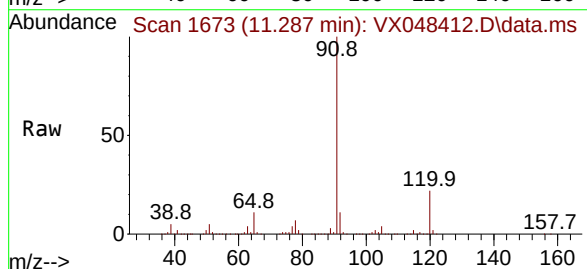
Manual Integrations  
APPROVED

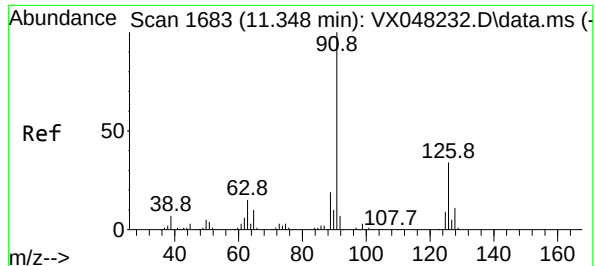
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#78  
n-propylbenzene  
Concen: 166.012 ug/l  
RT: 11.287 min Scan# 1673  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Tgt Ion: 91 Resp: 1358131  
Ion Ratio Lower Upper  
91 100  
120 23.0 11.1 33.1





#79

2-Chlorotoluene

Concen: 161.461 ug/l

RT: 11.347 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 793064

Ion Ratio Lower Upper

91 100

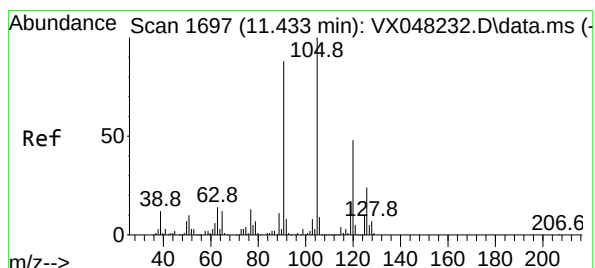
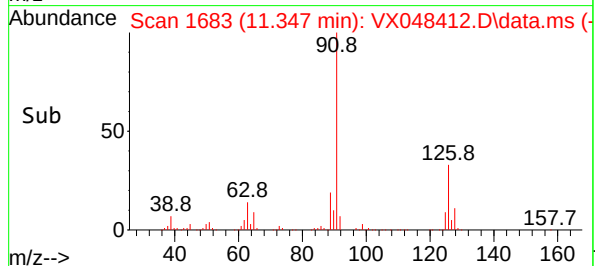
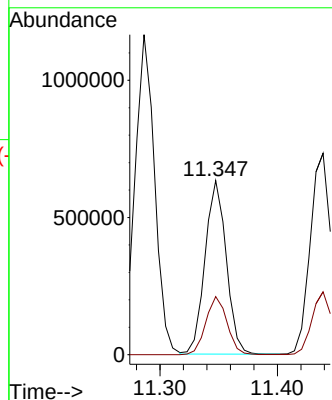
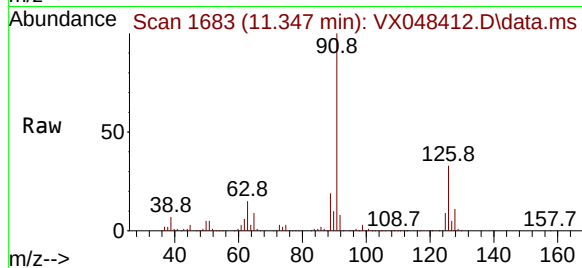
126 33.6 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#80

1,3,5-Trimethylbenzene

Concen: 166.707 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VX048412.D

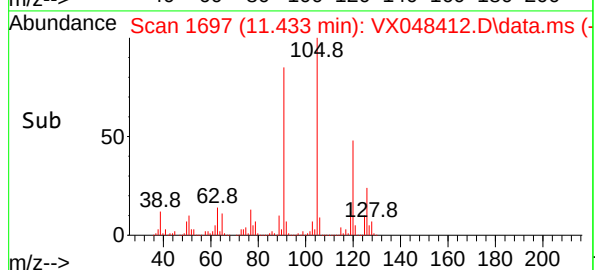
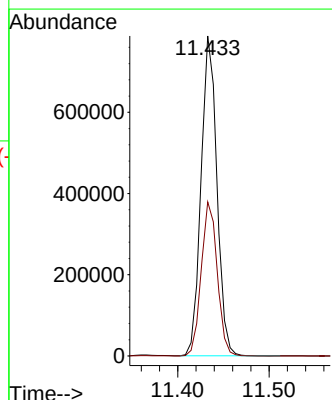
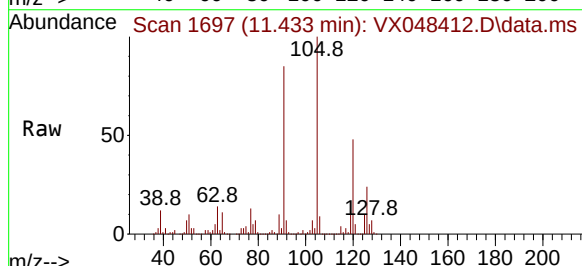
Acq: 29 Oct 2025 13:03

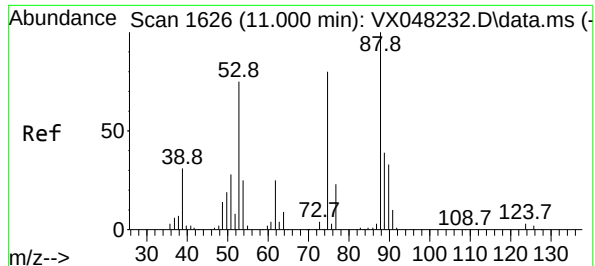
Tgt Ion:105 Resp: 945889

Ion Ratio Lower Upper

105 100

120 48.6 24.0 72.0





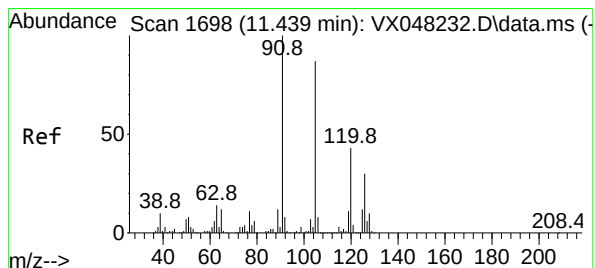
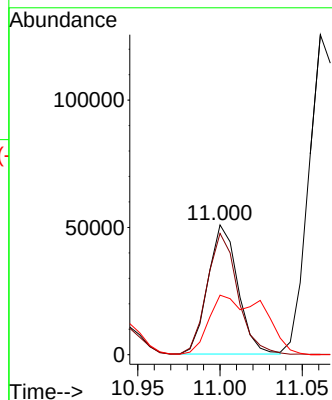
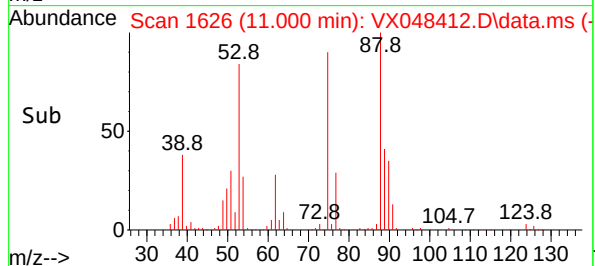
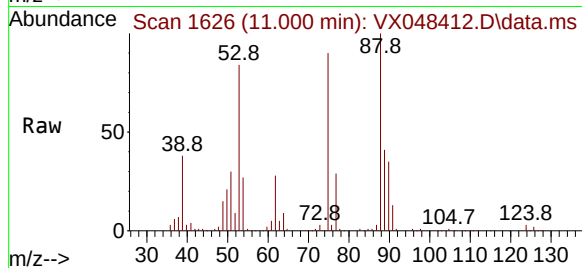
#81  
trans-1,4-Dichloro-2-butene  
Concen: 164.688 ug/l  
RT: 11.000 min Scan# 1626  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 75 Resp: 6404  
Ion Ratio Lower Upper  
75 100  
53 98.1 79.5 119.3  
89 84.2 36.8 55.2

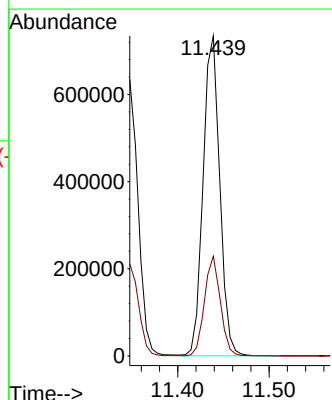
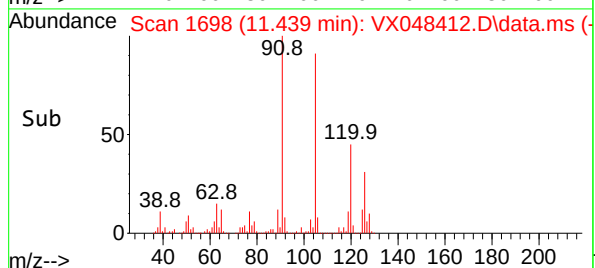
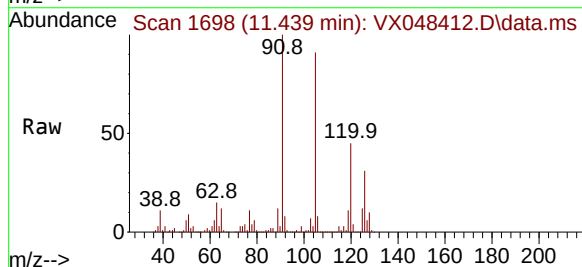
Manual Integrations  
APPROVED

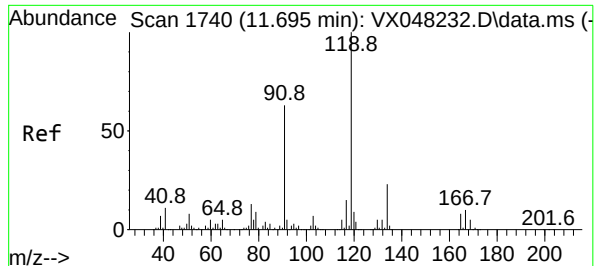
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#82  
4-Chlorotoluene  
Concen: 160.417 ug/l  
RT: 11.439 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Tgt Ion: 91 Resp: 926294  
Ion Ratio Lower Upper  
91 100  
126 29.8 14.1 42.4





#83

tert-Butylbenzene

Concen: 168.135 ug/l

RT: 11.695 min Scan# 1740

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

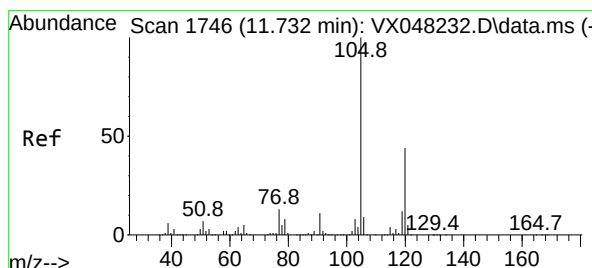
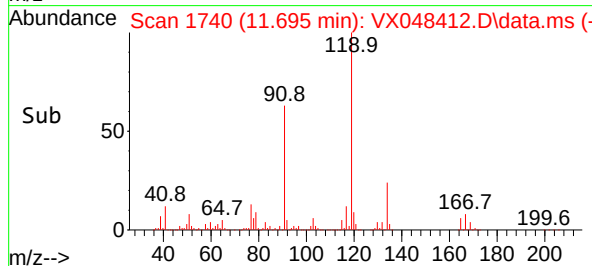
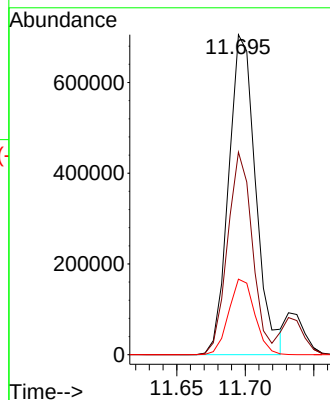
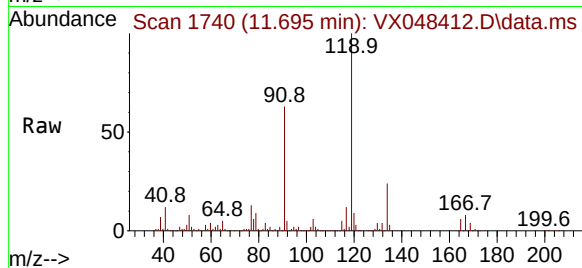
VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 119   | Resp: | 971214 |
| Ion      | Ratio | Lower | Upper  |
| 119      | 100   |       |        |
| 91       | 58.2  | 30.3  | 91.0   |
| 134      | 22.7  | 11.4  | 34.2   |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#84

1,2,4-Trimethylbenzene

Concen: 167.674 ug/l

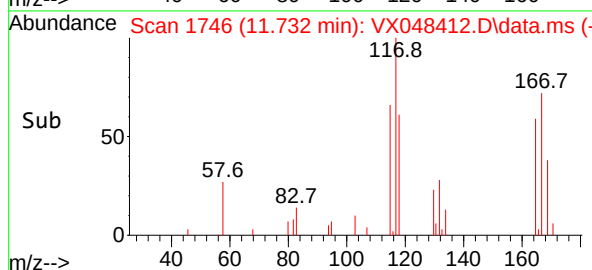
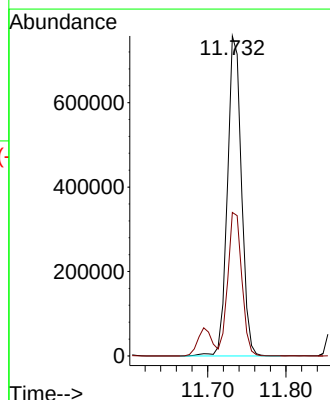
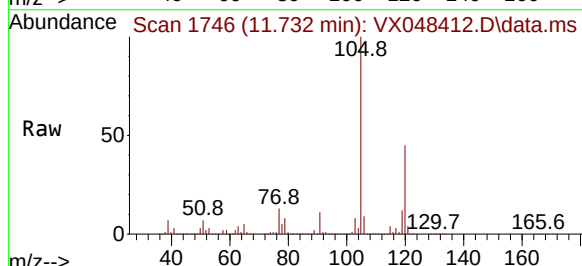
RT: 11.732 min Scan# 1746

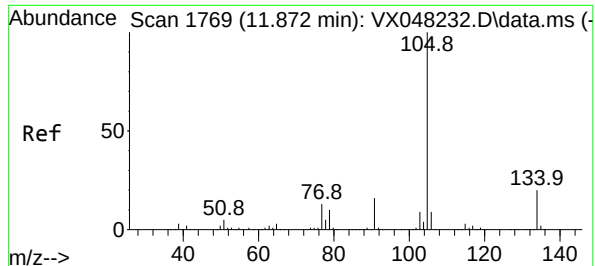
Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 941993 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 44.9  | 22.1  | 66.5   |





#85

sec-Butylbenzene

Concen: 166.771 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion:105 Resp: 1200340

Ion Ratio Lower Upper

105 100

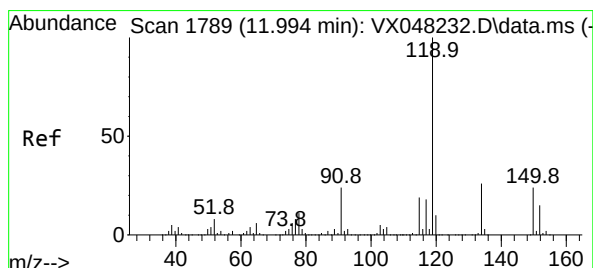
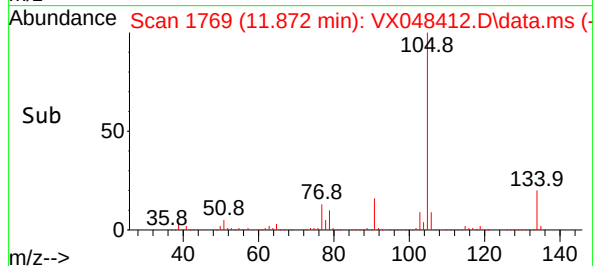
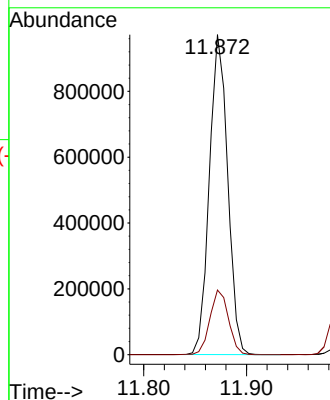
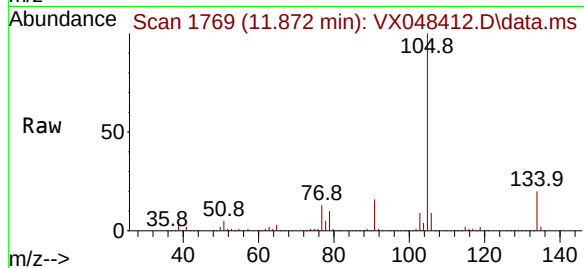
134 20.5 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#86

p-Isopropyltoluene

Concen: 168.747 ug/l

RT: 11.994 min Scan# 1789

Delta R.T. 0.006 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

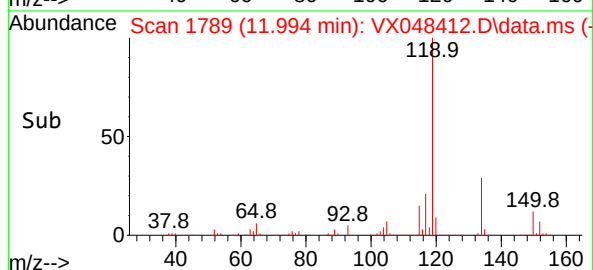
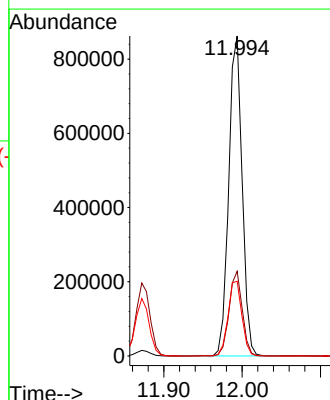
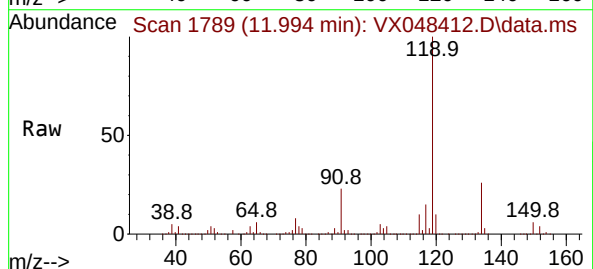
Tgt Ion:119 Resp: 1026794

Ion Ratio Lower Upper

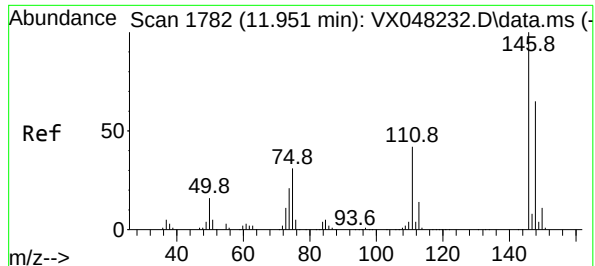
119 100

134 26.0 13.0 39.0

91 24.3 12.1 36.3







#87

1,3-Dichlorobenzene

Concen: 155.362 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion:146 Resp: 50731

Ion Ratio Lower Upper

146 100

111 41.8 20.4 61.2

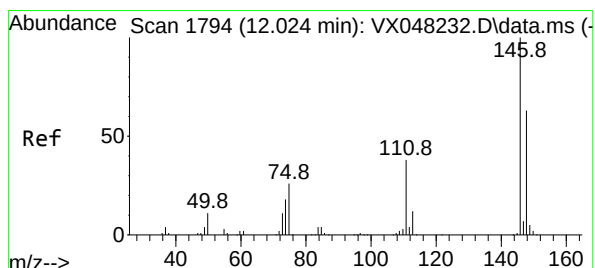
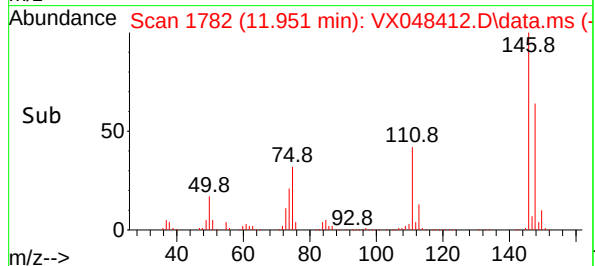
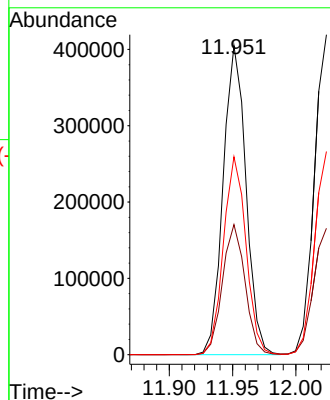
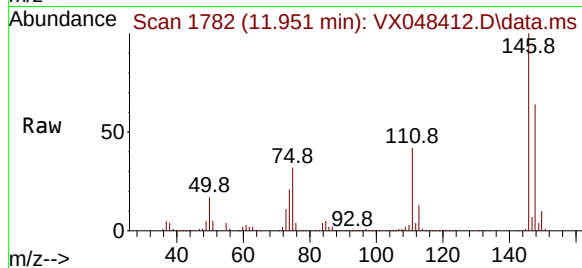
148 63.4 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#88

1,4-Dichlorobenzene

Concen: 154.371 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

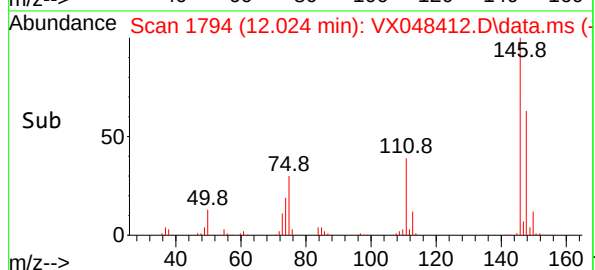
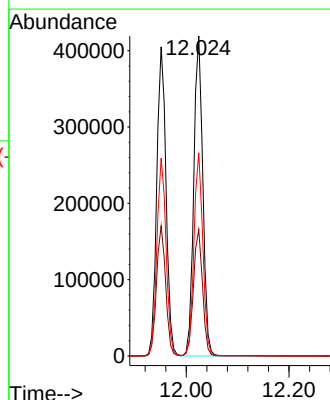
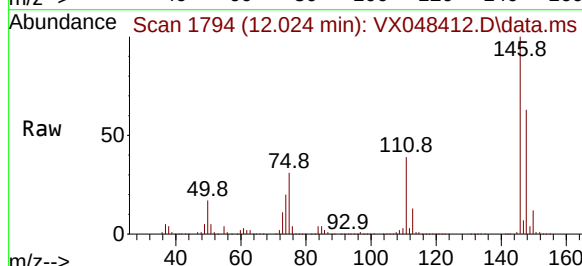
Tgt Ion:146 Resp: 513410

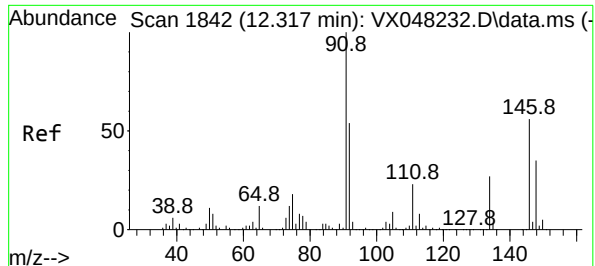
Ion Ratio Lower Upper

146 100

111 39.8 20.1 60.2

148 62.7 31.8 95.3





#89

n-Butylbenzene

Concen: 169.383 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 96768

Ion Ratio Lower Upper

91 100

92 54.6 26.9 80.6

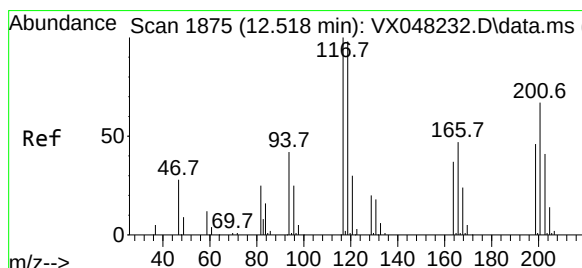
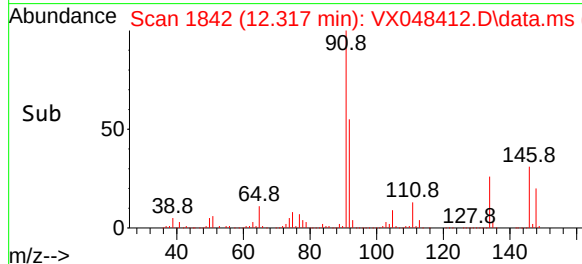
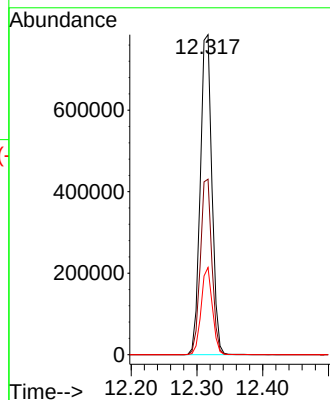
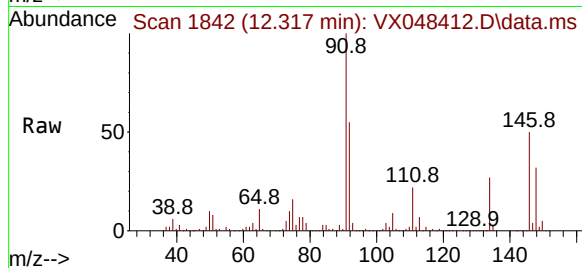
134 26.3 12.7 38.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#90

Hexachloroethane

Concen: 175.757 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VX048412.D

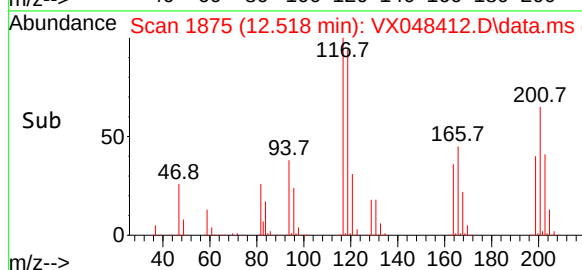
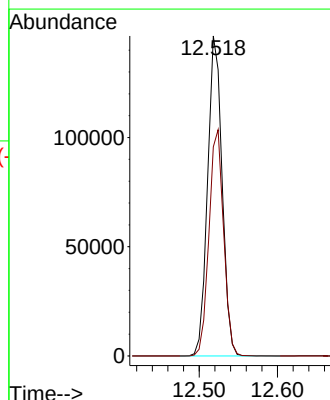
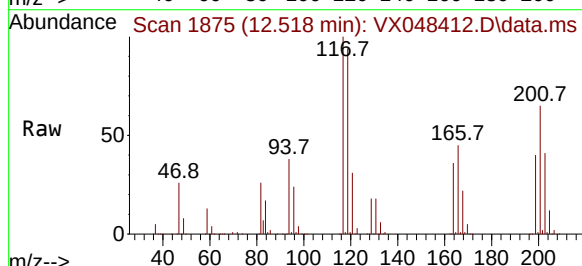
Acq: 29 Oct 2025 13:03

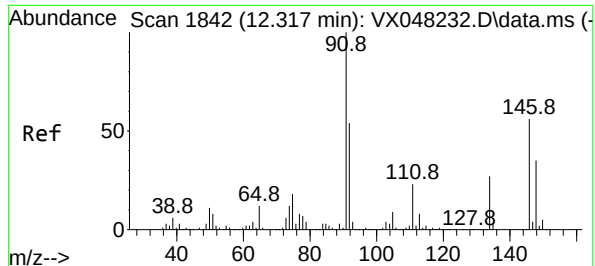
Tgt Ion:117 Resp: 187919

Ion Ratio Lower Upper

117 100

201 71.2 34.1 102.2





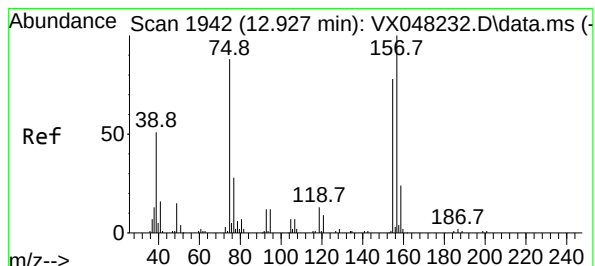
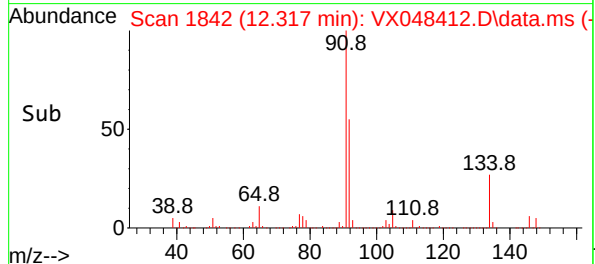
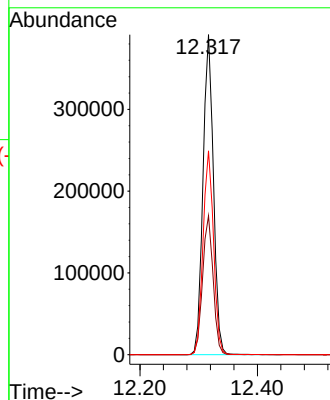
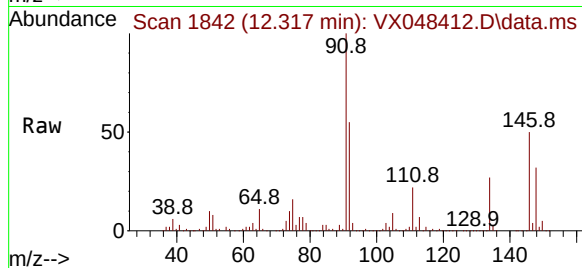
#91  
1,2-Dichlorobenzene  
Concen: 158.798 ug/l  
RT: 12.317 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Instrument :  
MSVOA\_X  
Client Sample Id :  
VSTDIC150

Tgt Ion: 146 Resp: 480520  
Ion Ratio Lower Upper  
146 100  
111 43.8 21.9 65.5  
148 64.3 31.9 95.5

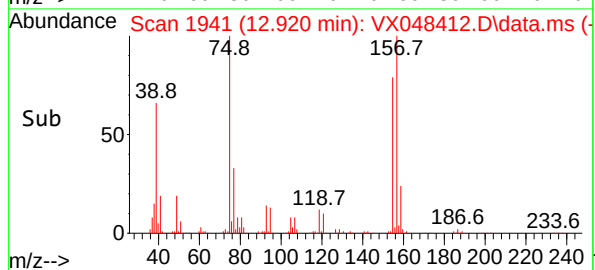
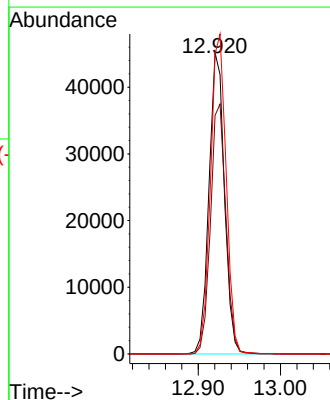
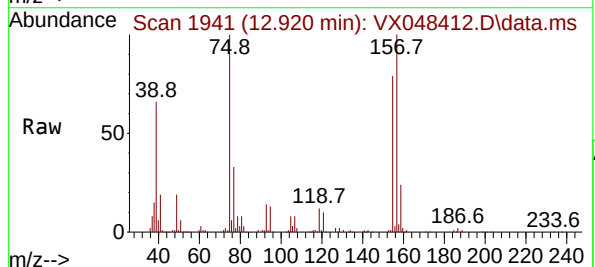
Manual Integrations  
APPROVED

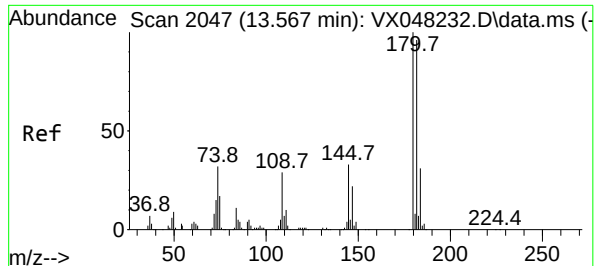
Reviewed By : Amit Patel 10/30/2025  
Supervised By : Mahesh Dadoda 10/30/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 171.570 ug/l  
RT: 12.920 min Scan# 1941  
Delta R.T. 0.000 min  
Lab File: VX048412.D  
Acq: 29 Oct 2025 13:03

Tgt Ion: 75 Resp: 58903  
Ion Ratio Lower Upper  
75 100  
155 82.6 42.8 128.4  
157 107.7 54.2 162.6





#93

1,2,4-Trichlorobenzene

Concen: 165.713 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion:180 Resp: 346010

Ion Ratio Lower Upper

180 100

182 95.4 47.3 142.0

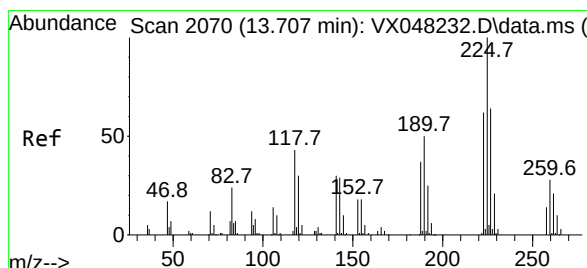
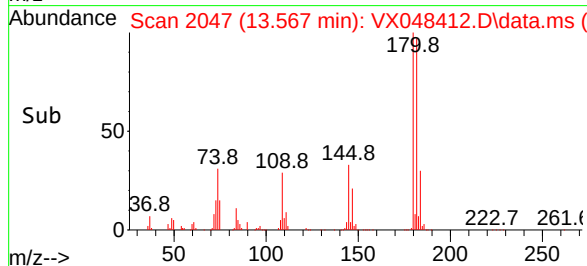
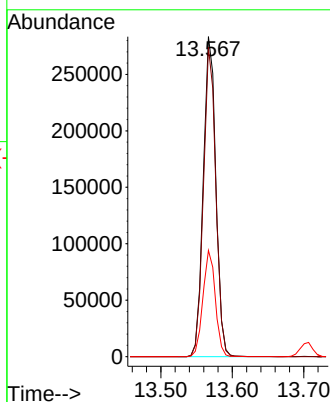
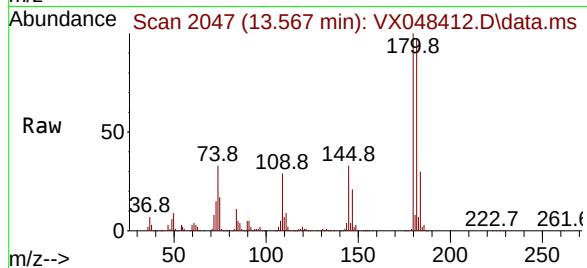
145 32.8 16.3 48.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#94

Hexachlorobutadiene

Concen: 165.459 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

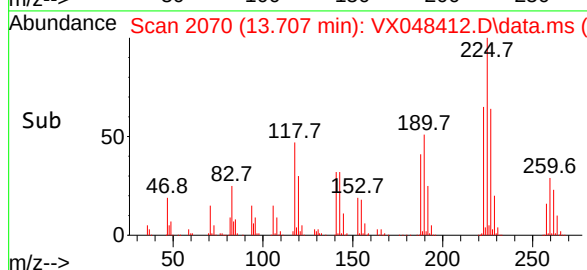
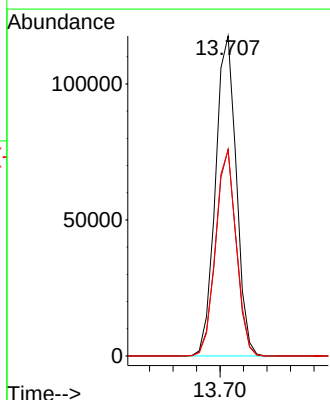
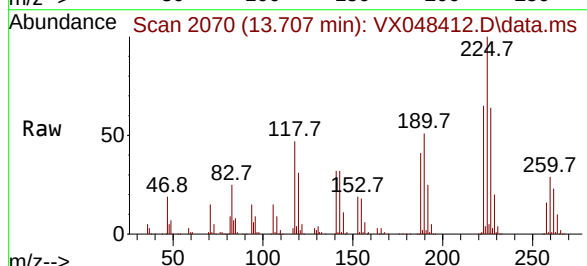
Tgt Ion:225 Resp: 144920

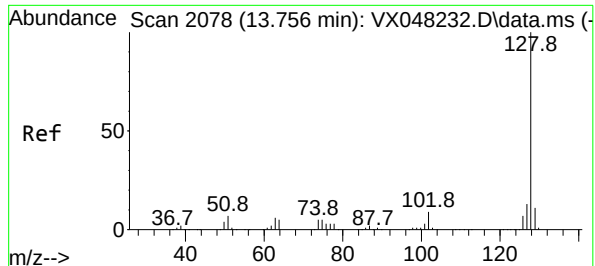
Ion Ratio Lower Upper

225 100

223 63.1 32.6 97.7

227 63.9 32.5 97.4





#95

Naphthalene

Concen: 173.781 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion:128 Resp: 91644

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

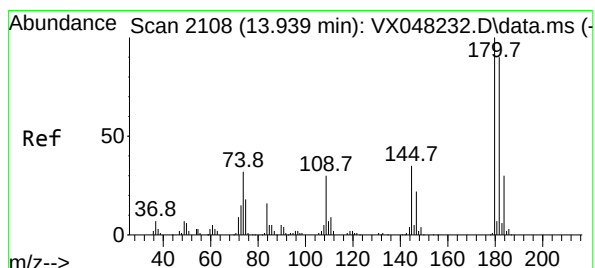
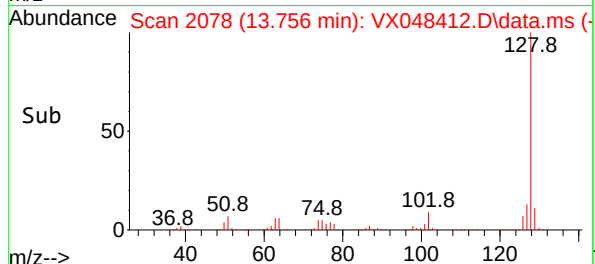
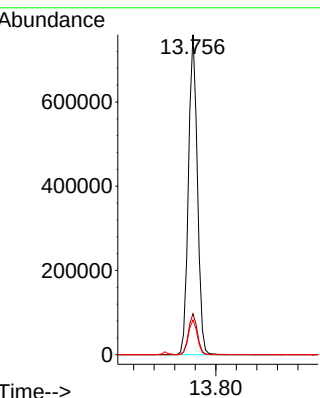
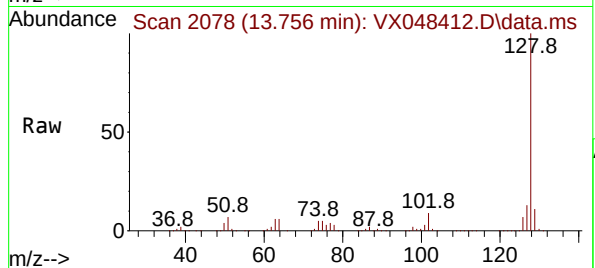
129 10.8 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#96

1,2,3-Trichlorobenzene

Concen: 169.151 ug/l

RT: 13.938 min Scan# 2108

Delta R.T. 0.000 min

Lab File: VX048412.D

Acq: 29 Oct 2025 13:03

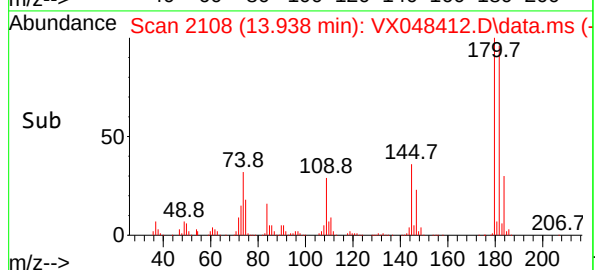
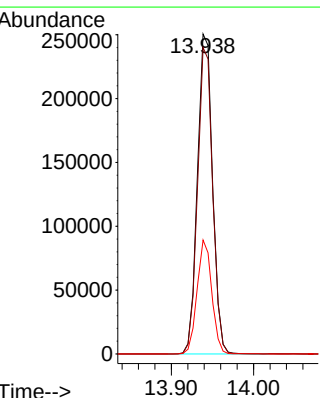
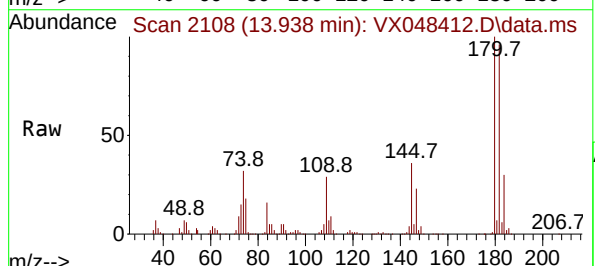
Tgt Ion:180 Resp: 320819

Ion Ratio Lower Upper

180 100

182 95.2 46.6 139.7

145 34.5 16.9 50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048414.D  
 Acq On : 29 Oct 2025 14:27  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102925

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:39:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.531  | 168  | 169033   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.738  | 114  | 283921   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 247547   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.000 | 152  | 120737   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 5.928  | 65    | 113083   | 46.518   | ug/l | -0.01   |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | =    | 93.040% |
| 35) Dibromofluoromethane  | 5.361  | 113   | 75432    | 46.599   | ug/l | -0.01   |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 93.200% |
| 50) Toluene-d8            | 8.628  | 98    | 332571   | 46.543   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | =    | 93.080% |
| 62) 4-Bromofluorobenzene  | 11.061 | 95    | 121242   | 45.358   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | =    | 90.720% |

### Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.172 | 85  | 87826   | 50.937  | ug/l | 98     |
| 3) Chloromethane             | 1.300 | 50  | 49984   | 51.381  | ug/l | 100    |
| 4) Vinyl Chloride            | 1.380 | 62  | 113635  | 50.568  | ug/l | 100    |
| 5) Bromomethane              | 1.617 | 94  | 42740   | 52.651  | ug/l | 99     |
| 6) Chloroethane              | 1.691 | 64  | 65647   | 49.122  | ug/l | 97     |
| 7) Trichlorofluoromethane    | 1.892 | 101 | 172799  | 50.180  | ug/l | 98     |
| 8) Diethyl Ether             | 2.129 | 74  | 61387   | 49.323  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 96708   | 49.927  | ug/l | 97     |
| 10) Methyl Iodide            | 2.453 | 142 | 381375  | 48.964  | ug/l | 97     |
| 11) Tert butyl alcohol       | 2.928 | 59  | 42280   | 227.013 | ug/l | 100    |
| 12) 1,1-Dichloroethene       | 2.325 | 96  | 98107   | 49.864  | ug/l | 92     |
| 13) Acrolein                 | 2.233 | 56  | 88198   | 226.874 | ug/l | 97     |
| 14) Allyl chloride           | 2.660 | 41  | 161876  | 48.584  | ug/l | 97     |
| 15) Acrylonitrile            | 3.050 | 53  | 203321  | 239.972 | ug/l | 98     |
| 16) Acetone                  | 2.367 | 43  | 128407  | 233.060 | ug/l | 100    |
| 17) Carbon Disulfide         | 2.514 | 76  | 285049  | 50.529  | ug/l | 100    |
| 18) Methyl Acetate           | 2.690 | 43  | 82047   | 44.525  | ug/l | 95     |
| 19) Methyl tert-butyl Ether  | 3.099 | 73  | 305066  | 48.420  | ug/l | 100    |
| 20) Methylene Chloride       | 2.782 | 84  | 104451  | 49.180  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 103065  | 49.318  | ug/l | 99     |
| 22) Diisopropyl ether        | 3.745 | 45  | 343340  | 50.345  | ug/l | 86     |
| 23) Vinyl Acetate            | 3.702 | 43  | 1149068 | 247.515 | ug/l | 98     |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 190850  | 49.311  | ug/l | 99     |
| 25) 2-Butanone               | 4.525 | 43  | 205140  | 233.069 | ug/l | 98     |
| 26) 2,2-Dichloropropane      | 4.458 | 77  | 161320  | 48.409  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene   | 4.471 | 96  | 123416  | 49.483  | ug/l | 98     |
| 28) Bromochloromethane       | 4.873 | 49  | 87699   | 49.998  | ug/l | 94     |
| 29) Tetrahydrofuran          | 4.970 | 42  | 140040  | 223.415 | ug/l | 96     |
| 30) Chloroform               | 5.068 | 83  | 191447  | 48.085  | ug/l | 96     |
| 31) Cyclohexane              | 5.452 | 56  | 164771  | 49.045  | ug/l | 91     |
| 32) 1,1,1-Trichloroethane    | 5.361 | 97  | 172962  | 49.209  | ug/l | 100    |
| 36) 1,1-Dichloropropene      | 5.672 | 75  | 134675  | 49.543  | ug/l | 100    |
| 37) Ethyl Acetate            | 4.684 | 43  | 108329  | 46.775  | ug/l | 97     |
| 38) Carbon Tetrachloride     | 5.653 | 117 | 150439  | 47.932  | ug/l | 95     |
| 39) Methylcyclohexane        | 7.360 | 83  | 169550  | 48.502  | ug/l | 96     |
| 40) Benzene                  | 6.013 | 78  | 405701  | 48.853  | ug/l | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048414.D  
 Acq On : 29 Oct 2025 14:27  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102925

Quant Time: Oct 30 02:39:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.891  | 41   | 55528    | 47.600  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.062  | 62   | 140522   | 48.040  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.312  | 43   | 178752   | 46.749  | ug/l   | 97       |
| 44) Trichloroethene           | 7.104  | 130  | 105821   | 48.636  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.409  | 63   | 99046    | 47.756  | ug/l   | 97       |
| 46) Dibromomethane            | 7.561  | 93   | 69810    | 48.082  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.799  | 83   | 150891   | 48.913  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.671  | 41   | 90239    | 48.394  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.635  | 88   | 20720    | 977.625 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43   | 485001   | 227.914 | ug/l   | 96       |
| 52) Toluene                   | 8.701  | 92   | 252888   | 48.734  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.958  | 75   | 139347   | 49.836  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 148316   | 49.233  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 89132    | 47.464  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 133617   | 48.593  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.287  | 76   | 154729   | 47.520  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.220  | 63   | 360689   | 221.341 | ug/l   | 97       |
| 59) 2-Hexanone                | 9.409  | 43   | 323151   | 233.382 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.500  | 129  | 111965   | 48.209  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 91354    | 47.024  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.256  | 164  | 95139    | 47.723  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.061 | 112  | 276902   | 48.554  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.140 | 131  | 97283    | 50.149  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 483137   | 50.314  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.280 | 106  | 364180   | 100.167 | ug/l   | 97       |
| 69) o-Xylene                  | 10.622 | 106  | 174961   | 50.358  | ug/l   | 96       |
| 70) Styrene                   | 10.634 | 104  | 297560   | 50.557  | ug/l   | 99       |
| 71) Bromoform                 | 10.780 | 173  | 66125    | 47.120  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 452795   | 50.703  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.823 | 43   | 158286   | 49.685  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 105640   | 46.702  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 87607m   | 50.455  | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 107639   | 48.794  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.286 | 91   | 532087   | 50.412  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.341 | 91   | 312464   | 49.307  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 370047   | 50.550  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 25014    | 49.854  | ug/l # | 80       |
| 82) 4-Chlorotoluene           | 11.433 | 91   | 368839   | 49.510  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 368966   | 49.509  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.731 | 105  | 376695   | 51.971  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 465581   | 50.138  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.987 | 119  | 400026   | 50.956  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 201043   | 47.721  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 200104   | 46.635  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.311 | 91   | 362152   | 49.134  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.518 | 117  | 69400    | 50.310  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 187978   | 48.150  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 20591    | 46.487  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.566 | 180  | 131117   | 48.671  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 54839    | 48.529  | ug/l   | 97       |
| 95) Naphthalene               | 13.755 | 128  | 331522   | 48.726  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.938 | 180  | 118602   | 48.468  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048414.D  
Acq On : 29 Oct 2025 14:27  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 02:39:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

| 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\VX102925\  
Data File : VX048414.D  
Acq On : 29 Oct 2025 14:27  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

## Instrument :

MSVOA\_X

## Client SampleId :

ICVVX102925

## Manual Integrations

## APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025

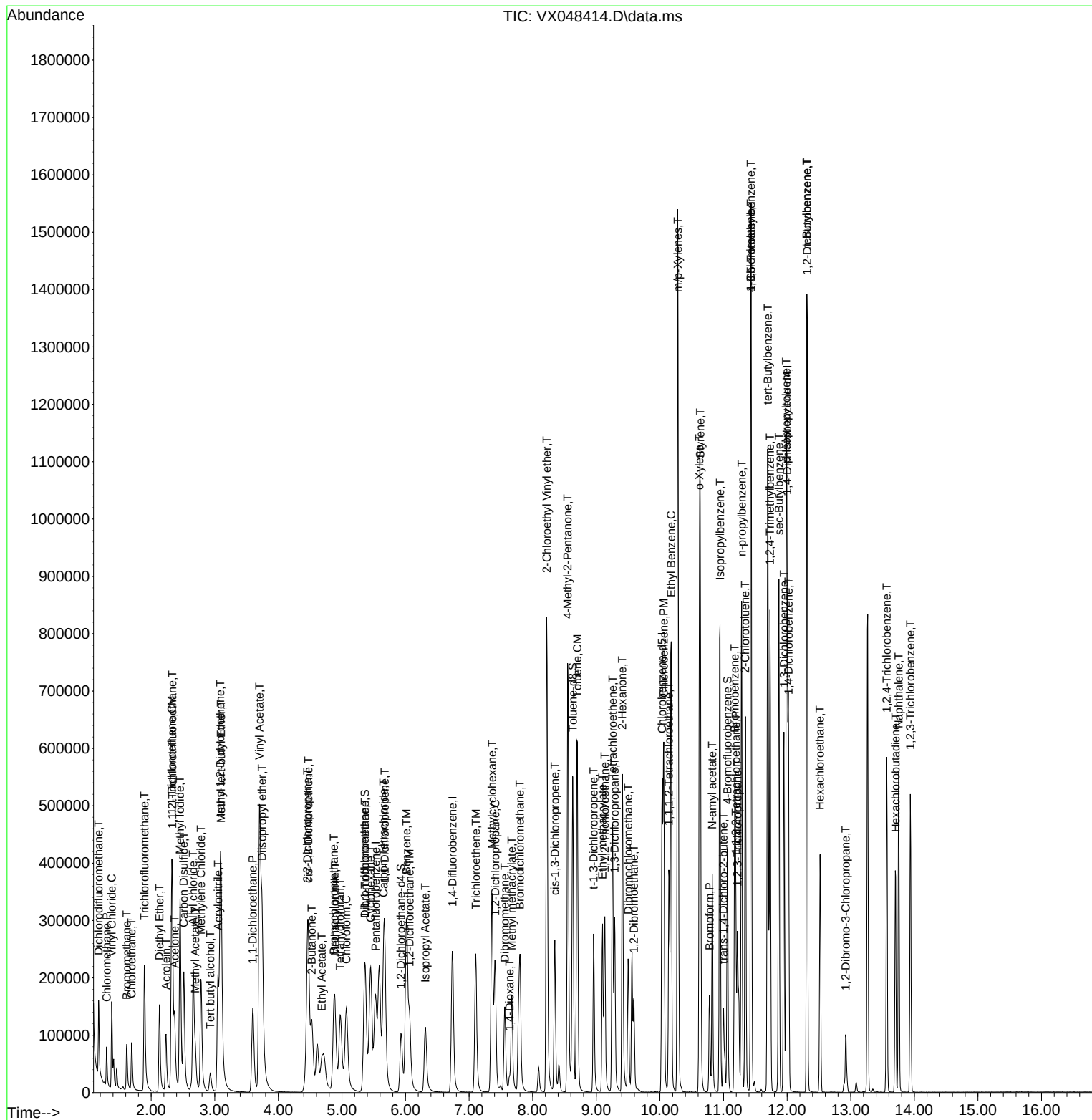
Quant Time: Oct 30 02:39:06 2025

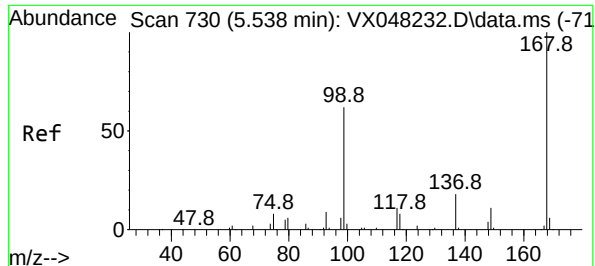
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Quant Title : SW846 8260

QLast Update : Thu Oct 30 02:37:17 2025

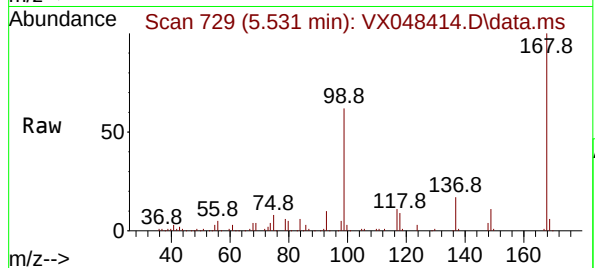
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.531 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

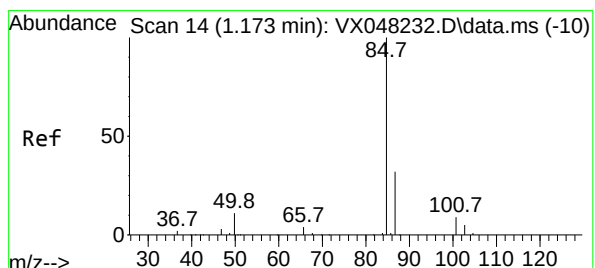
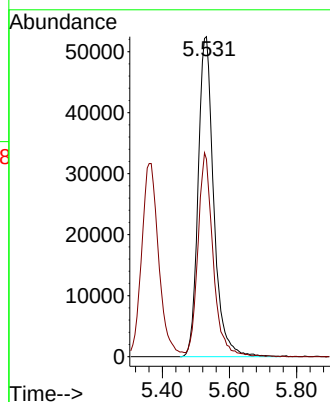
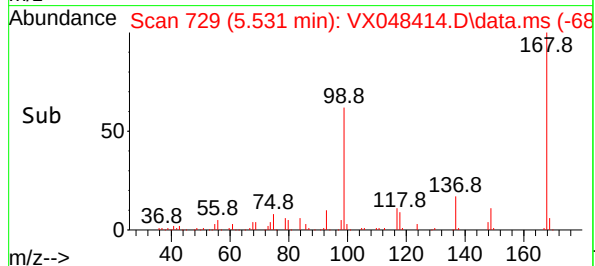
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVXX102925



Tgt Ion:168 Resp: 16903  
Ion Ratio Lower Upper  
168 100  
99 61.8 46.4 69.6

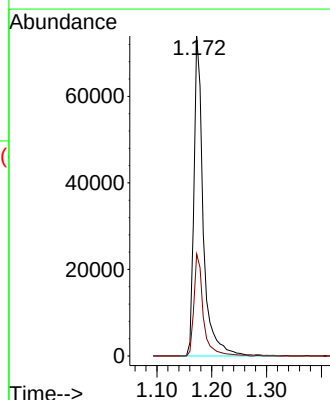
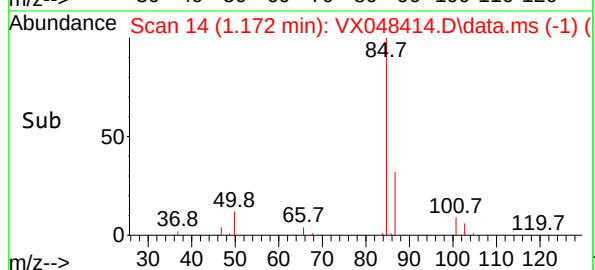
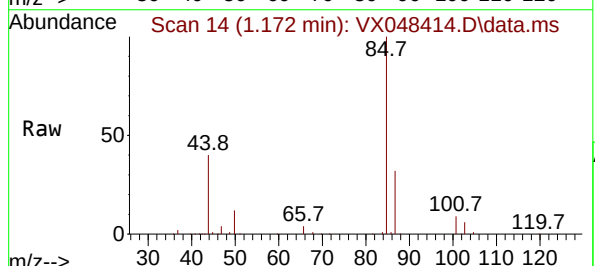
Manual Integrations  
APPROVED

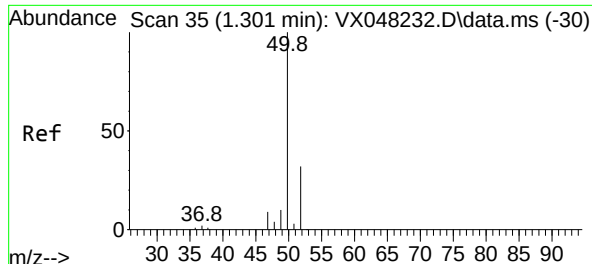
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#2  
Dichlorodifluoromethane  
Concen: 50.937 ug/l  
RT: 1.172 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

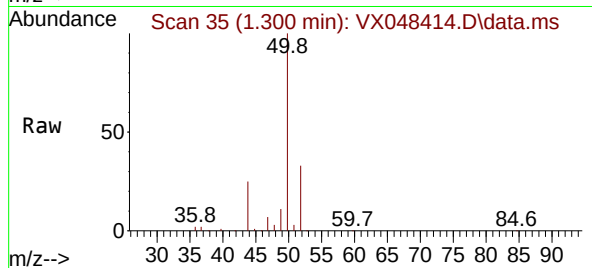
Tgt Ion: 85 Resp: 87826  
Ion Ratio Lower Upper  
85 100  
87 31.9 15.3 45.9





#3  
Chloromethane  
Concen: 51.381 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

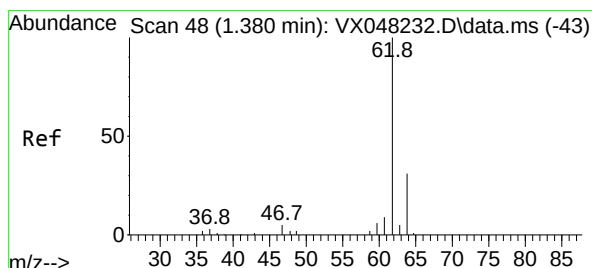
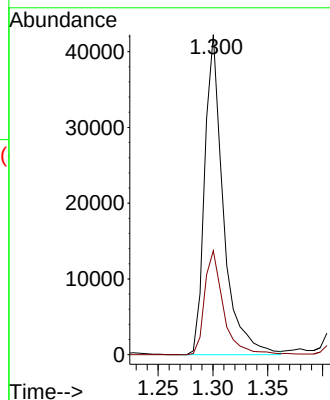
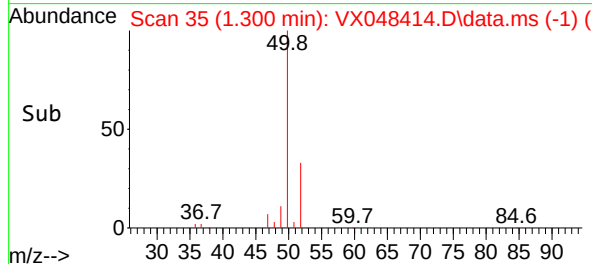
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925



Tgt Ion: 50 Resp: 49984  
Ion Ratio Lower Upper  
50 100  
52 32.5 25.9 38.9

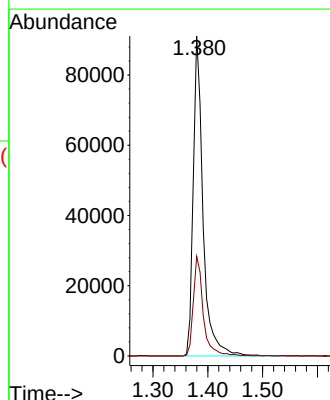
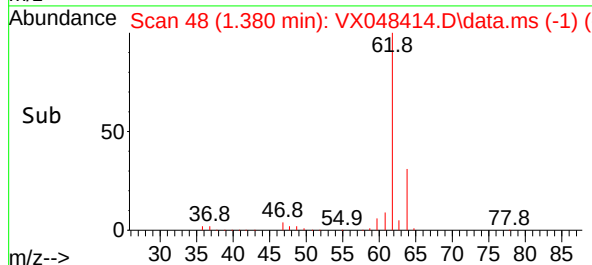
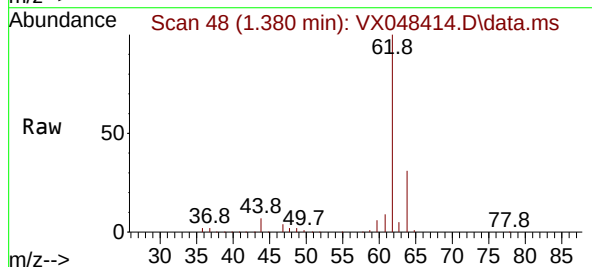
Manual Integrations  
APPROVED

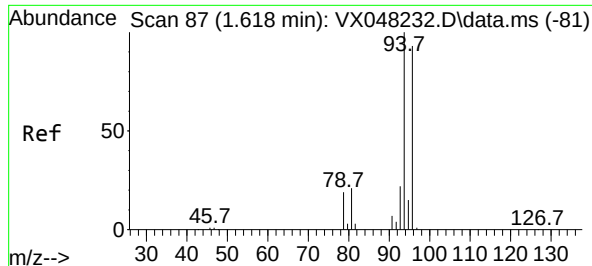
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#4  
Vinyl Chloride  
Concen: 50.568 ug/l  
RT: 1.380 min Scan# 48  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Tgt Ion: 62 Resp: 113635  
Ion Ratio Lower Upper  
62 100  
64 31.1 25.1 37.7





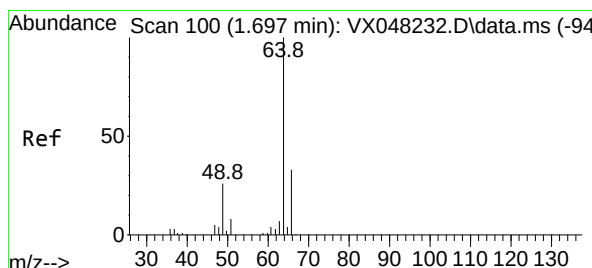
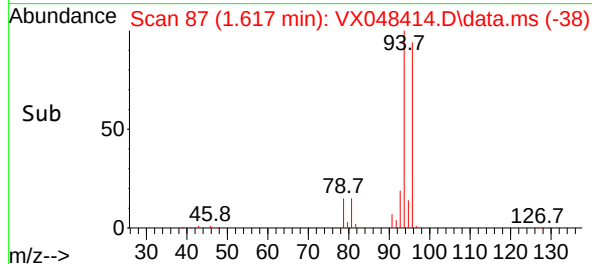
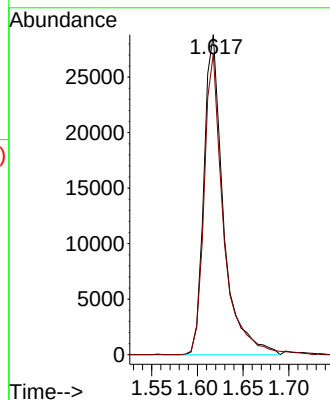
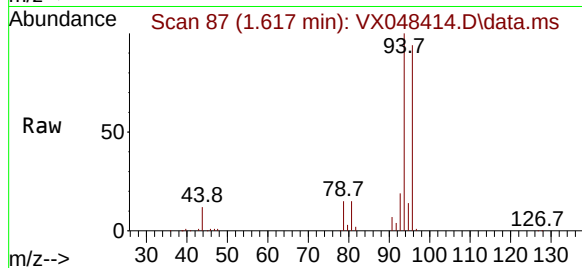
#5  
Bromomethane  
Concen: 52.651 ug/l  
RT: 1.617 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX102925

Tgt Ion: 94 Resp: 42740  
Ion Ratio Lower Upper  
94 100  
96 94.1 76.0 114.0

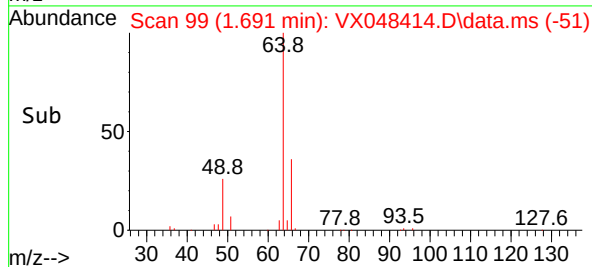
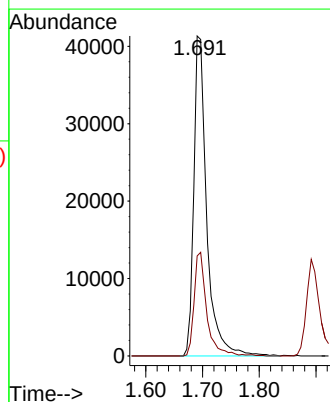
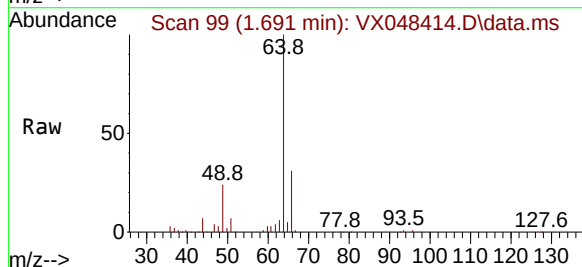
Manual Integrations  
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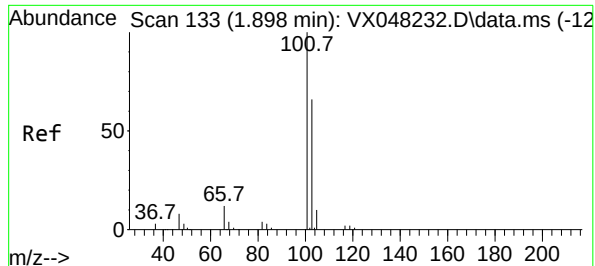
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#6  
Chloroethane  
Concen: 49.122 ug/l  
RT: 1.691 min Scan# 99  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Tgt Ion: 64 Resp: 65647  
Ion Ratio Lower Upper  
64 100  
66 31.3 23.9 35.9





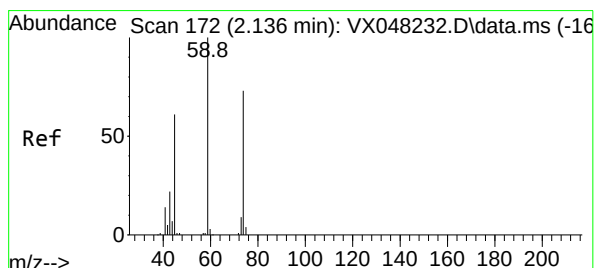
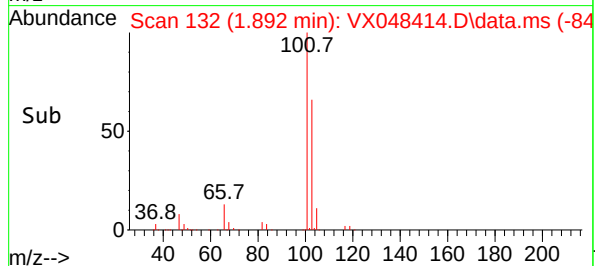
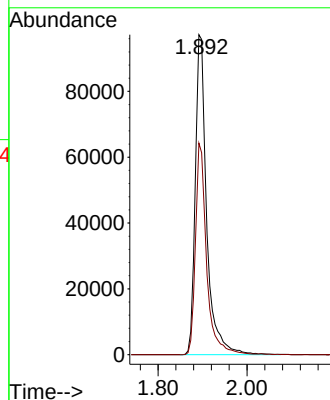
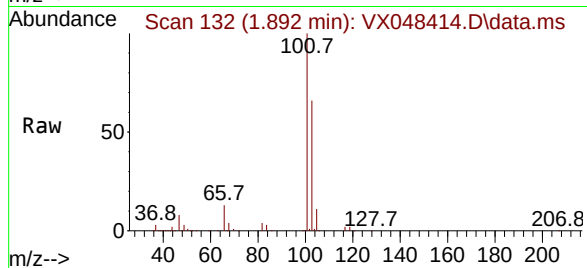
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Trichlorofluoromethane  
Concen: 50.180 ug/l  
RT: 1.892 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX102925

Tgt Ion:101 Resp: 172799  
Ion Ratio Lower Upper  
101 100  
103 66.1 51.6 77.4

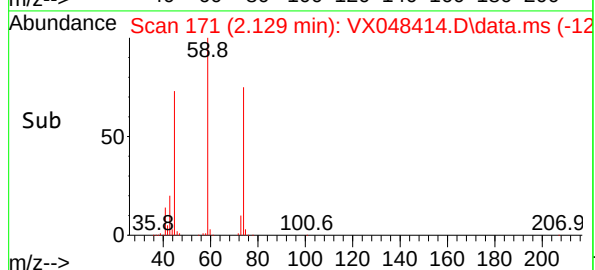
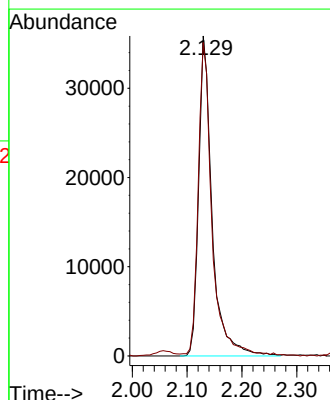
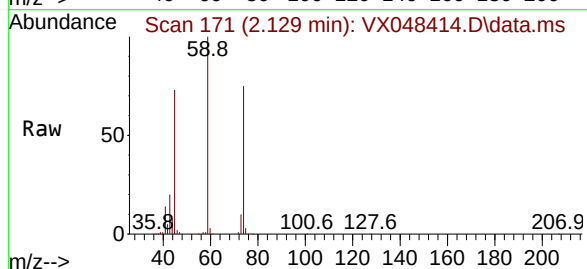
Manual Integrations  
APPROVED

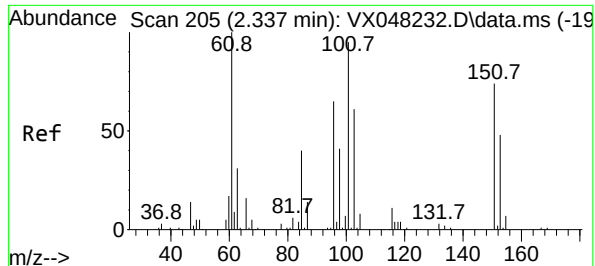
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#8  
Diethyl Ether  
Concen: 49.323 ug/l  
RT: 2.129 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Tgt Ion: 74 Resp: 61387  
Ion Ratio Lower Upper  
74 100  
45 100.8 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.927 ug/l

RT: 2.331 min Scan# 205

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion:101 Resp: 96708

Ion Ratio Lower Upper

101 100

85 44.3 35.6 53.4

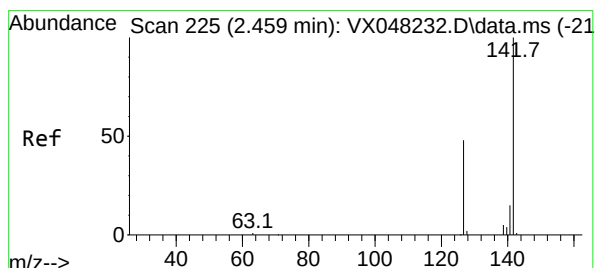
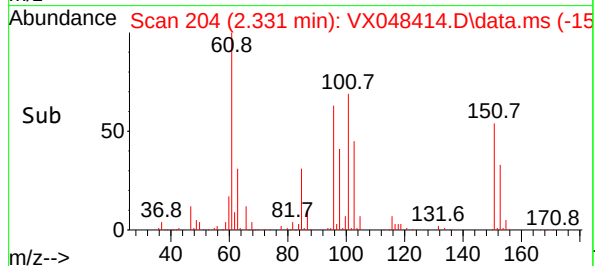
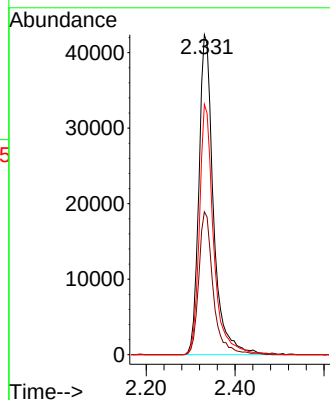
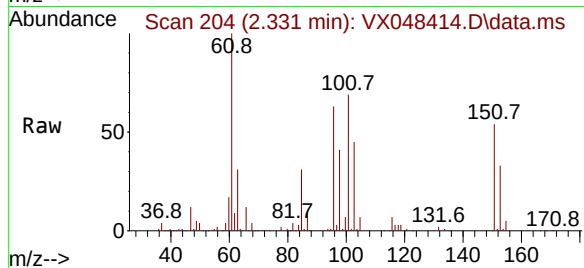
151 76.1 58.0 87.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#10

Methyl Iodide

Concen: 48.964 ug/l

RT: 2.453 min Scan# 224

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

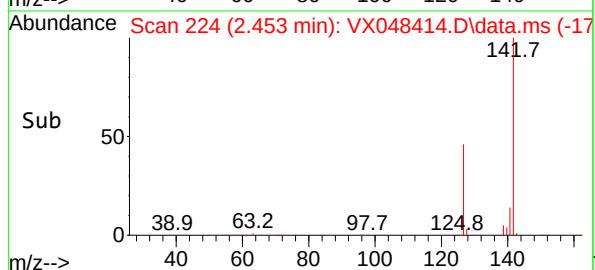
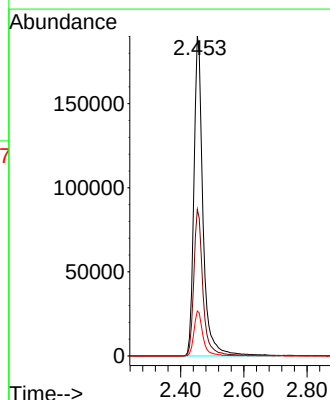
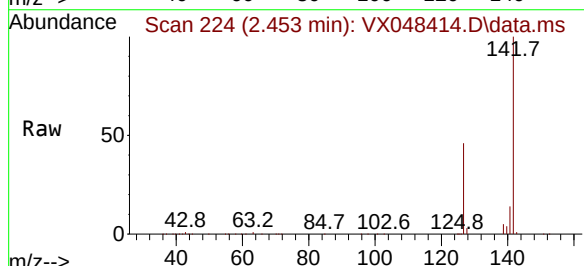
Tgt Ion:142 Resp: 381375

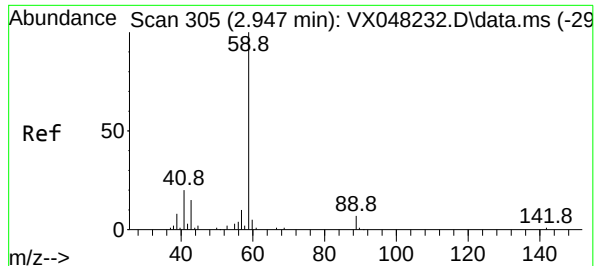
Ion Ratio Lower Upper

142 100

127 46.0 38.5 57.7

141 14.0 11.6 17.4





#11

Tert butyl alcohol

Concen: 227.013 ug/l

RT: 2.928 min Scan# 305

Delta R.T. -0.012 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 59 Resp: 42280

Ion Ratio Lower Upper

59 100

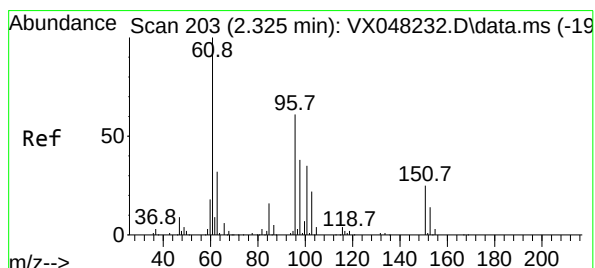
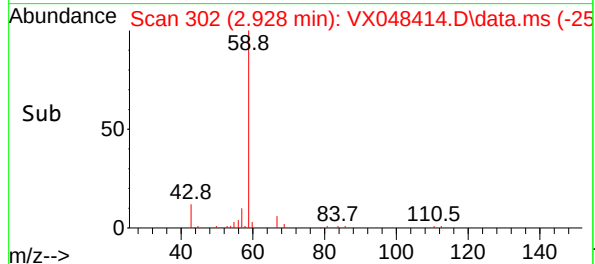
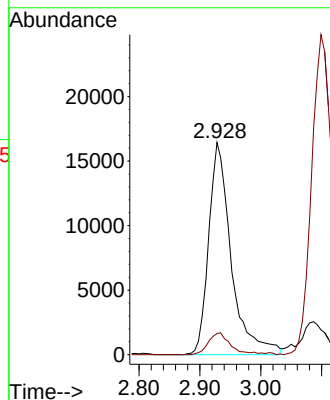
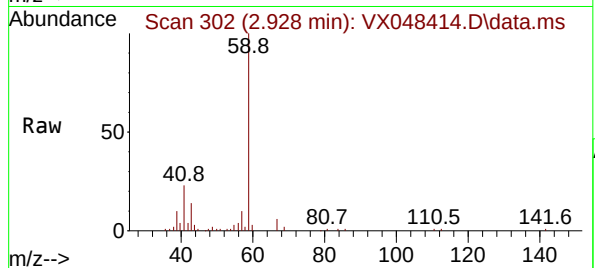
57 10.2 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#12

1,1-Dichloroethene

Concen: 49.864 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

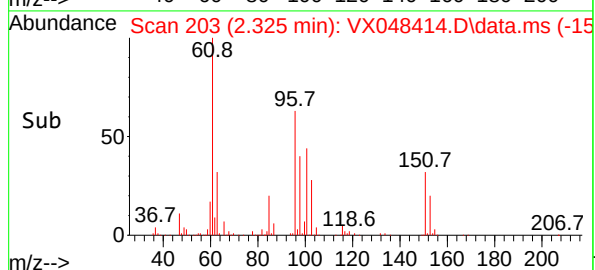
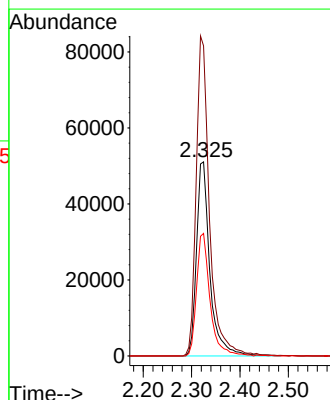
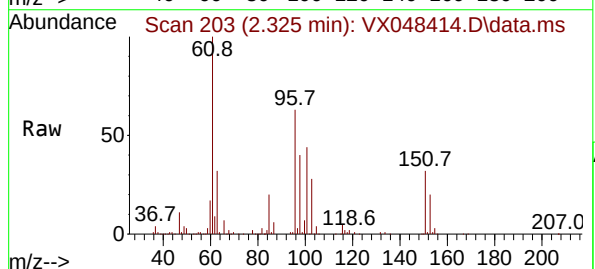
Tgt Ion: 96 Resp: 98107

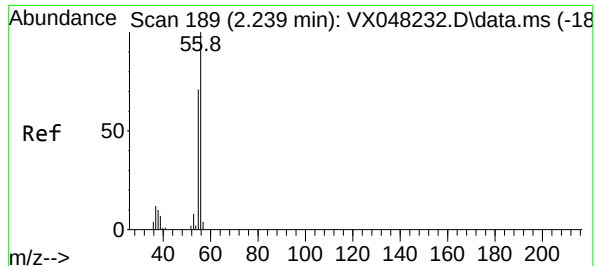
Ion Ratio Lower Upper

96 100

61 159.8 139.0 208.6

98 63.1 52.4 78.6





#13

Acrolein

Concen: 226.874 ug/l

RT: 2.233 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 56 Resp: 88198

Ion Ratio Lower Upper

56 100

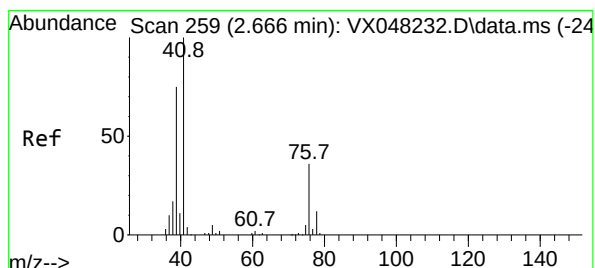
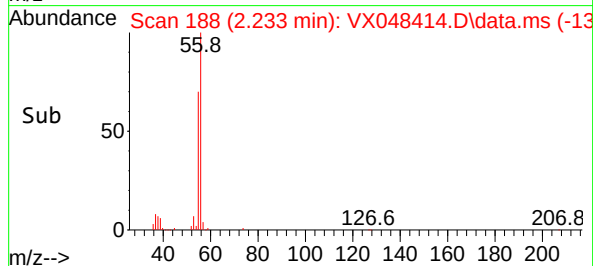
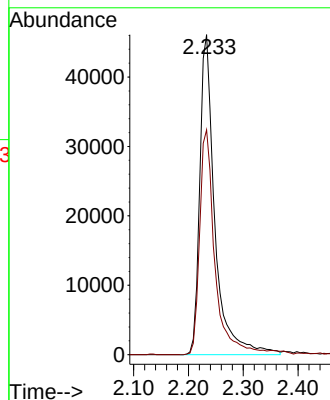
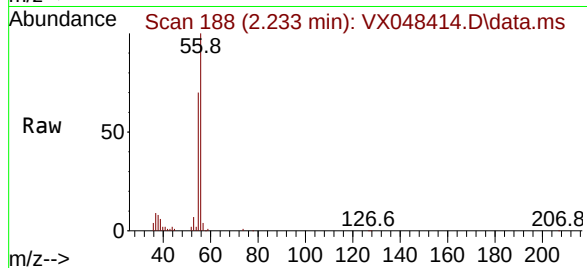
55 72.2 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#14

Allyl chloride

Concen: 48.584 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

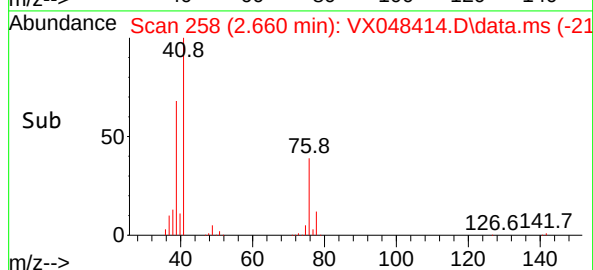
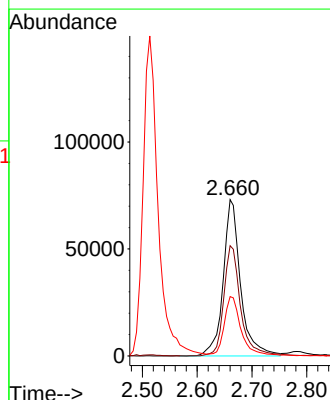
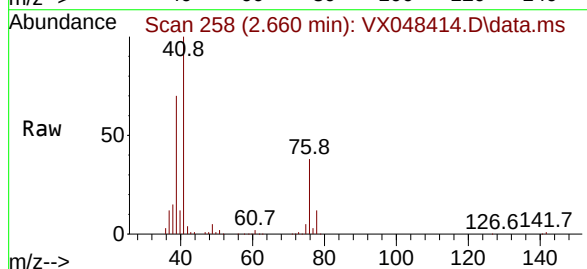
Tgt Ion: 41 Resp: 161876

Ion Ratio Lower Upper

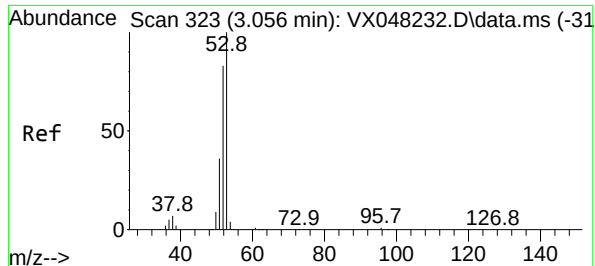
41 100

39 68.4 56.0 84.0

76 36.8 27.5 41.3







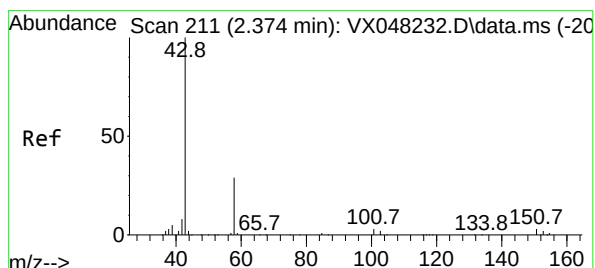
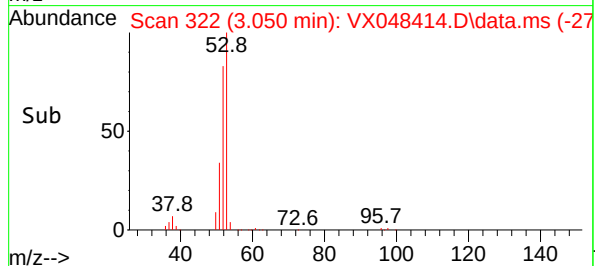
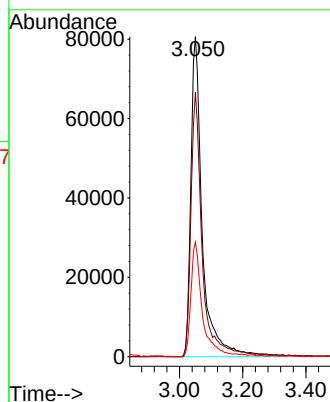
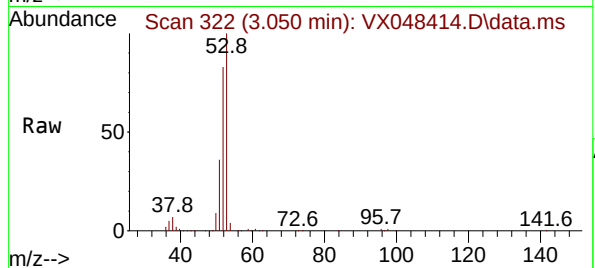
#15  
Acrylonitrile  
Concen: 239.972 ug/l  
RT: 3.050 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925

Tgt Ion: 53 Resp: 20332  
Ion Ratio Lower Upper  
53 100  
52 81.0 66.1 99.1  
51 35.5 29.0 43.4

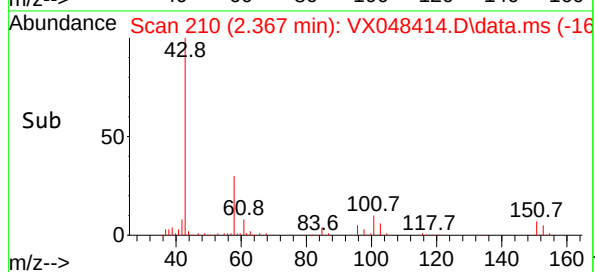
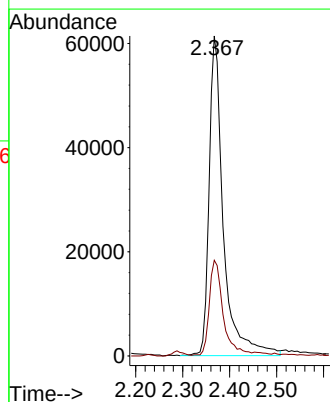
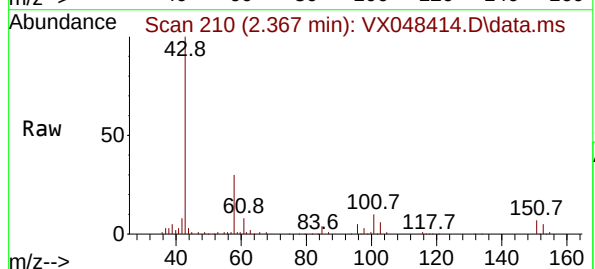
Manual Integrations  
APPROVED

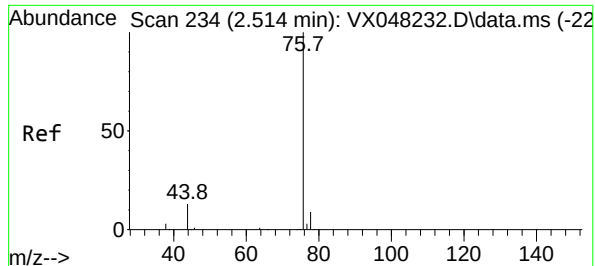
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#16  
Acetone  
Concen: 233.060 ug/l  
RT: 2.367 min Scan# 210  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

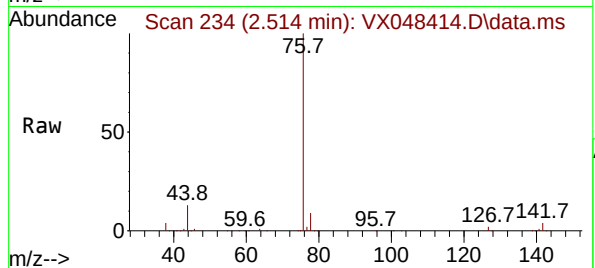
Tgt Ion: 43 Resp: 128407  
Ion Ratio Lower Upper  
43 100  
58 29.5 23.4 35.2





#17  
Carbon Disulfide  
Concen: 50.529 ug/l  
RT: 2.514 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

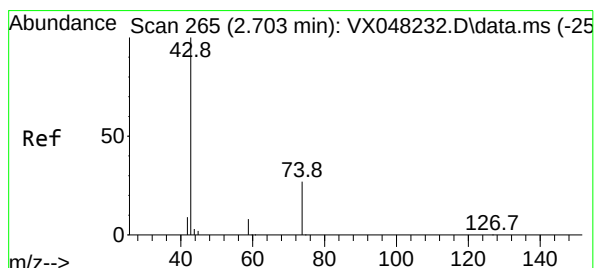
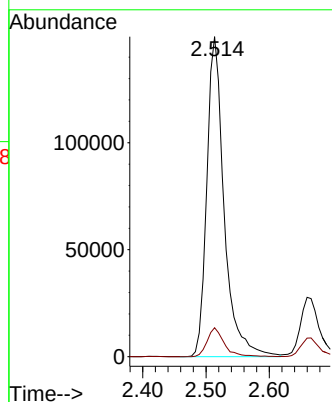
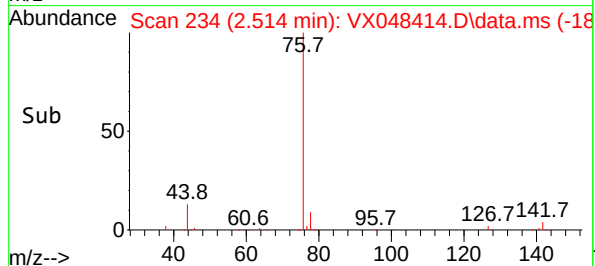
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925



Tgt Ion: 76 Resp: 285049  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.1 10.7

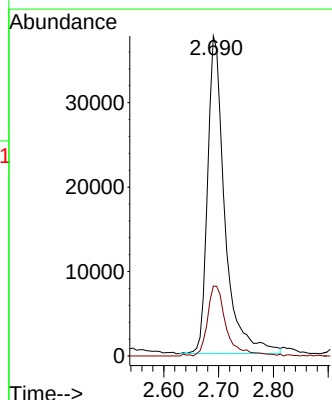
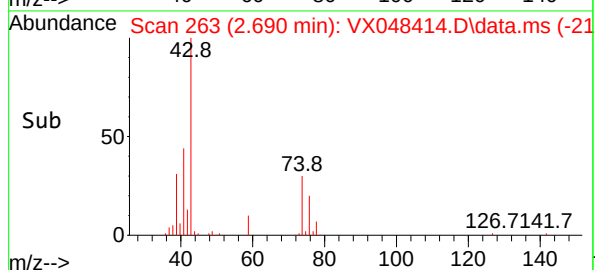
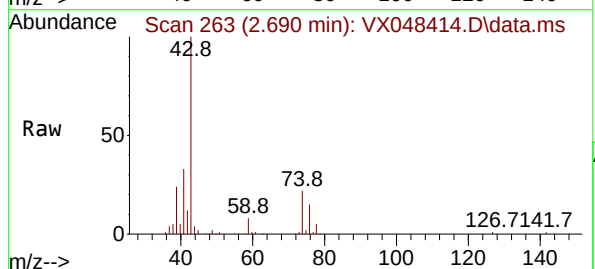
Manual Integrations  
APPROVED

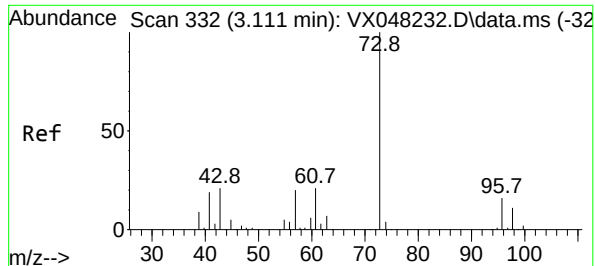
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#18  
Methyl Acetate  
Concen: 44.525 ug/l  
RT: 2.690 min Scan# 263  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Tgt Ion: 43 Resp: 82047  
Ion Ratio Lower Upper  
43 100  
74 24.1 17.5 26.3





#19

Methyl tert-butyl Ether

Concen: 48.420 ug/l

RT: 3.099 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 73 Resp: 30506

Ion Ratio Lower Upper

73 100

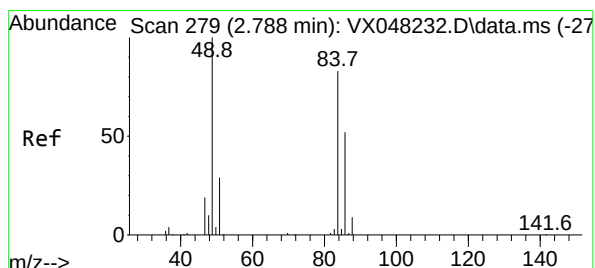
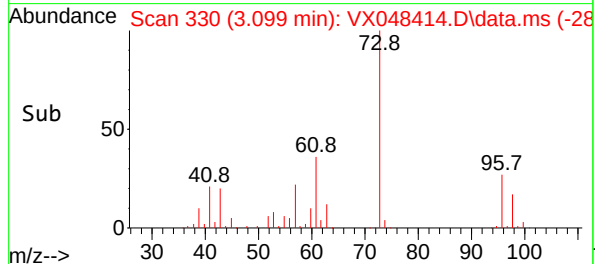
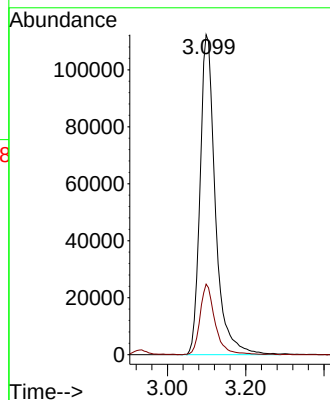
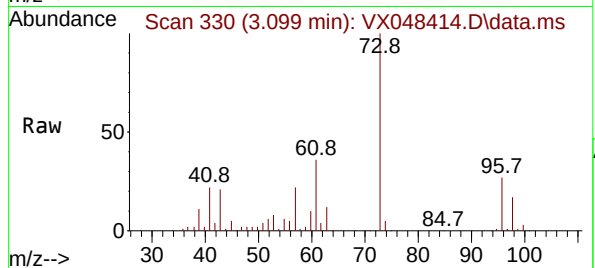
57 22.1 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#20

Methylene Chloride

Concen: 49.180 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Tgt Ion: 84 Resp: 104451

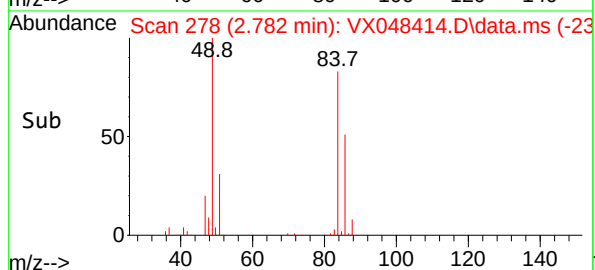
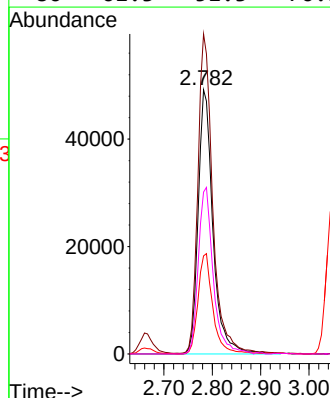
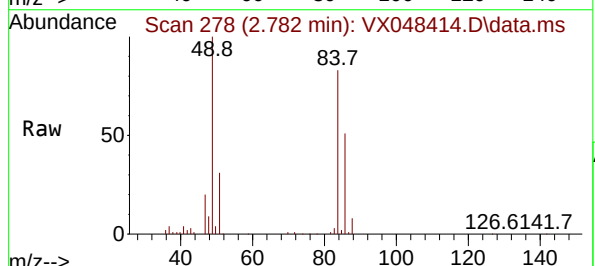
Ion Ratio Lower Upper

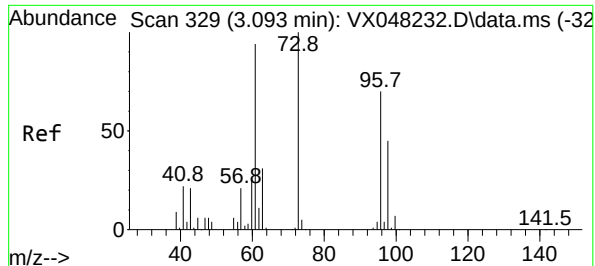
84 100

49 120.8 104.1 156.1

51 37.1 31.3 46.9

86 61.3 51.3 76.9





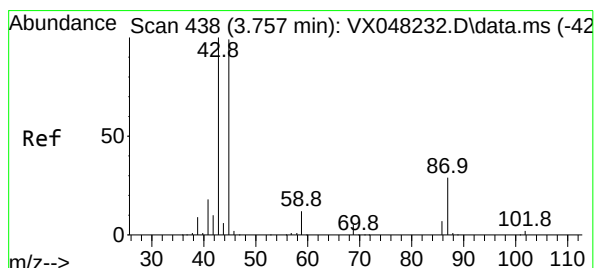
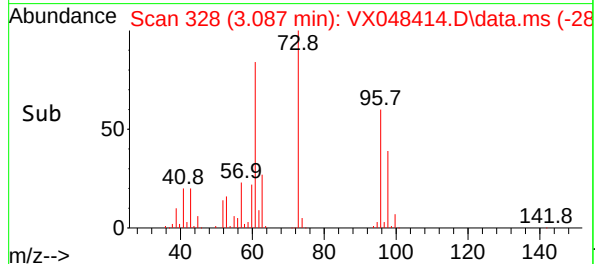
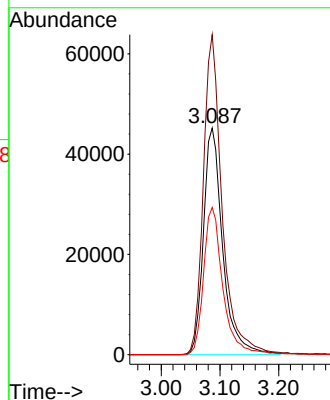
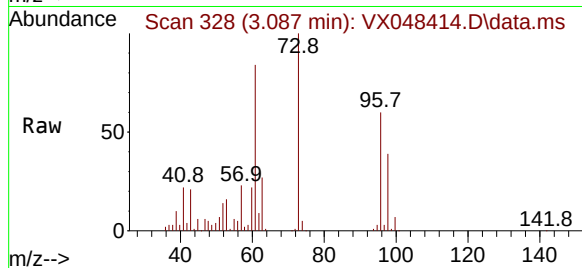
#21  
trans-1,2-Dichloroethene  
Concen: 49.318 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925

Tgt Ion: 96 Resp: 10306  
Ion Ratio Lower Upper  
96 100  
61 141.2 111.9 167.9  
98 64.9 51.2 76.8

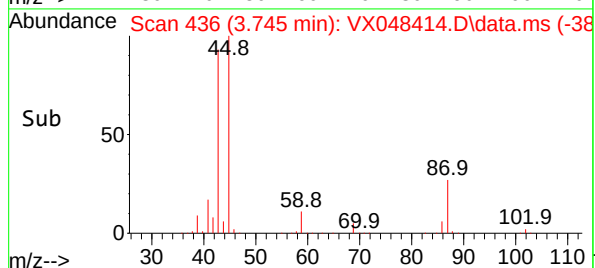
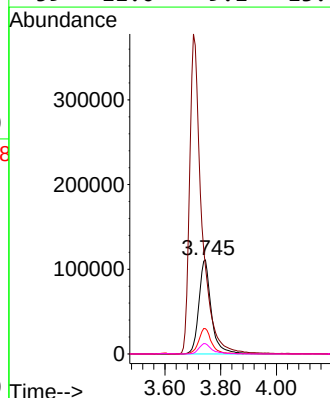
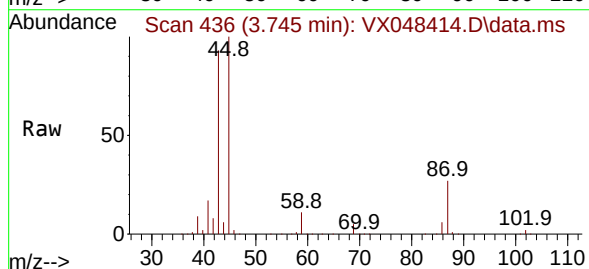
Manual Integrations  
APPROVED

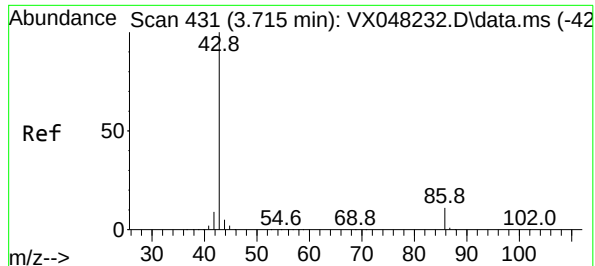
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#22  
Diisopropyl ether  
Concen: 50.345 ug/l  
RT: 3.745 min Scan# 436  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Tgt Ion: 45 Resp: 343340  
Ion Ratio Lower Upper  
45 100  
43 92.6 89.8 134.8  
87 26.9 20.6 31.0  
59 11.0 9.1 13.7





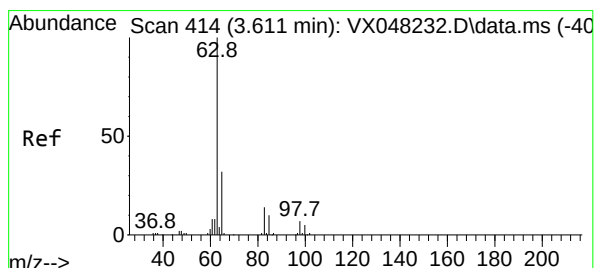
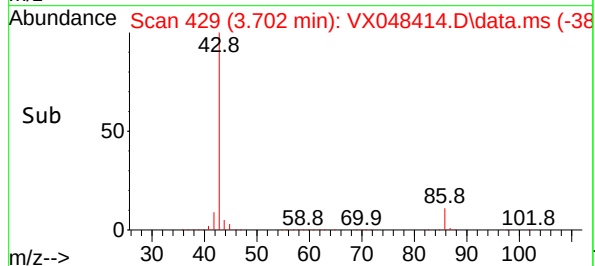
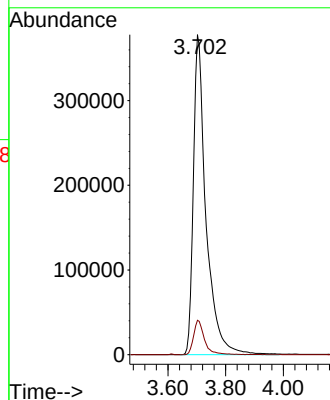
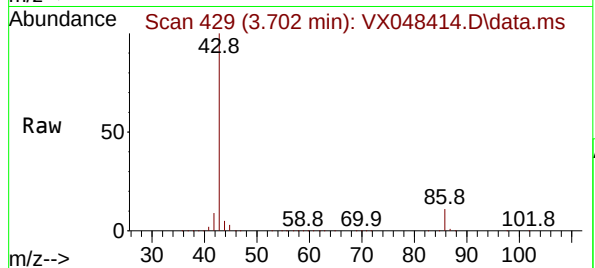
#23  
Vinyl Acetate  
Concen: 247.515 ug/l  
RT: 3.702 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925

Tgt Ion: 43 Resp: 114906  
Ion Ratio Lower Upper  
43 100  
86 10.7 7.9 11.9

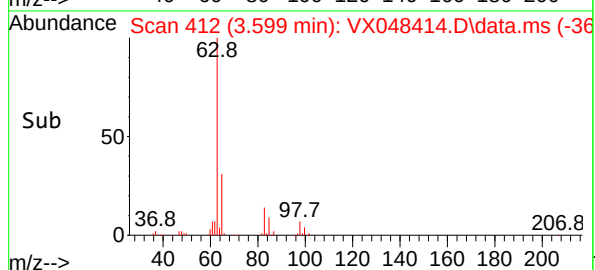
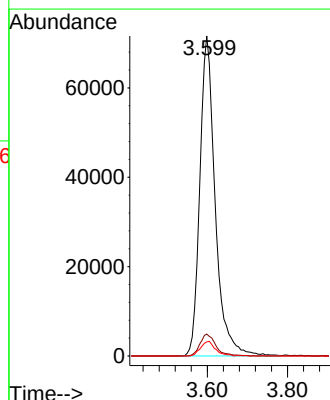
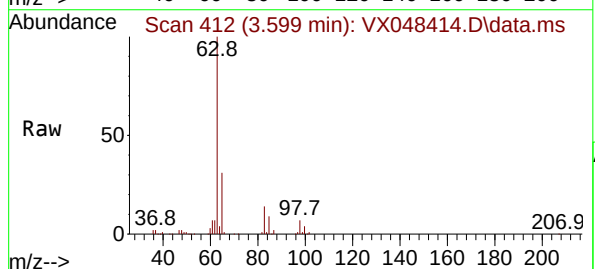
Manual Integrations  
APPROVED

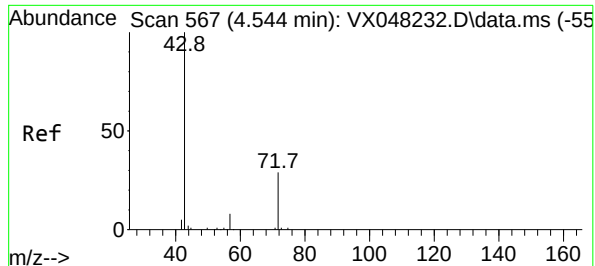
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#24  
1,1-Dichloroethane  
Concen: 49.311 ug/l  
RT: 3.599 min Scan# 412  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Tgt Ion: 63 Resp: 190850  
Ion Ratio Lower Upper  
63 100  
98 6.8 3.5 10.6  
100 4.4 2.1 6.3





#25

2-Butanone

Concen: 233.069 ug/l

RT: 4.525 min Scan# 50

Delta R.T. -0.012 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 43 Resp: 205140

Ion Ratio Lower Upper

43 100

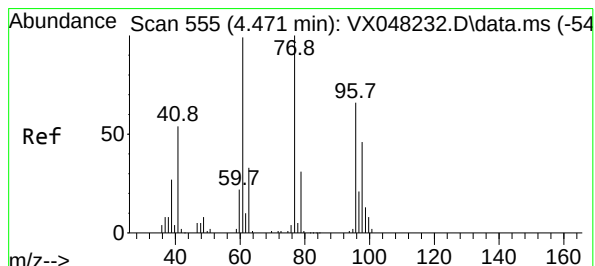
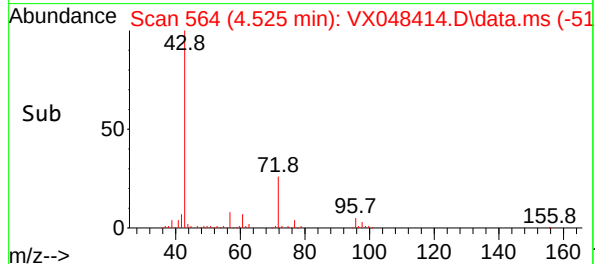
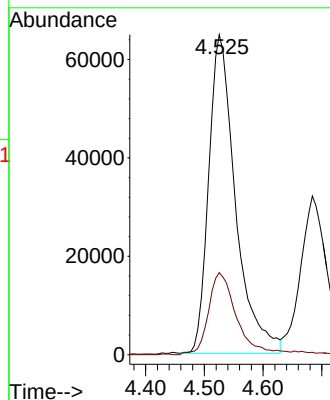
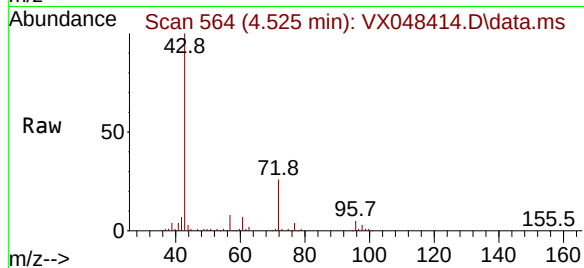
72 25.8 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#26

2,2-Dichloropropane

Concen: 48.409 ug/l

RT: 4.458 min Scan# 553

Delta R.T. -0.012 min

Lab File: VX048414.D

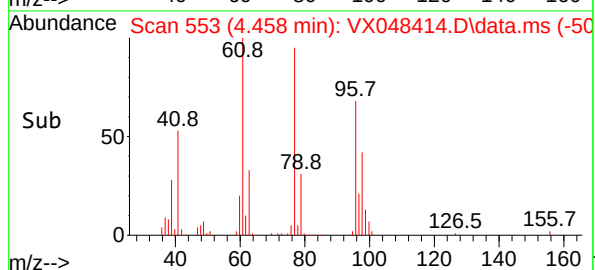
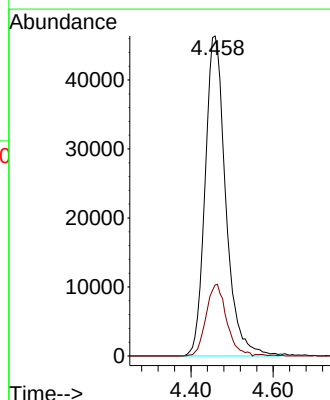
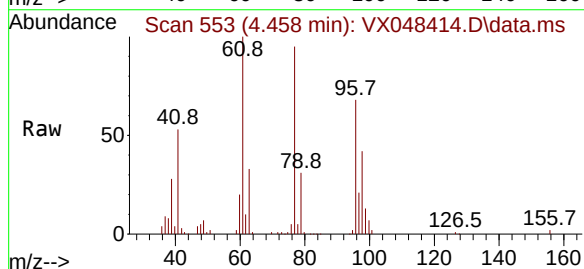
Acq: 29 Oct 2025 14:27

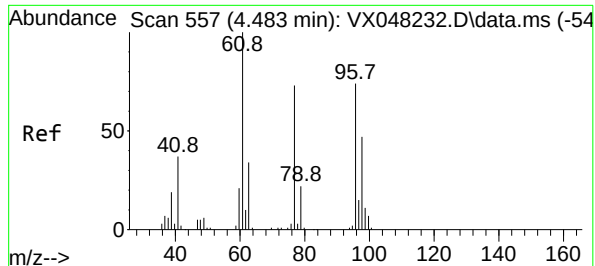
Tgt Ion: 77 Resp: 161320

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 49.483 ug/l

RT: 4.471 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 96 Resp: 123410

Ion Ratio Lower Upper

96 100

61 143.8 0.0 294.2

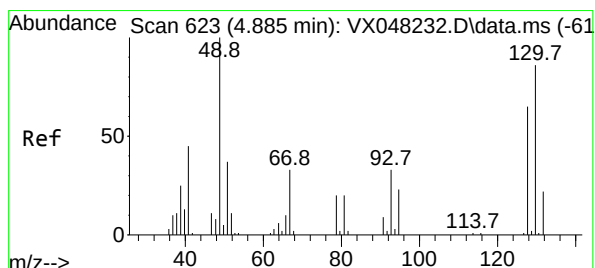
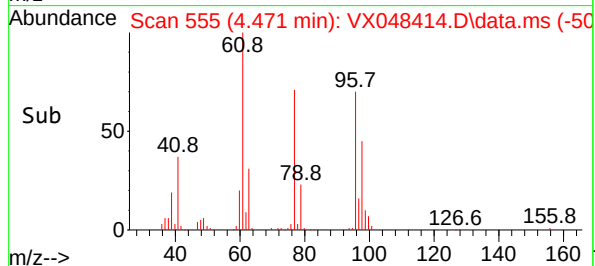
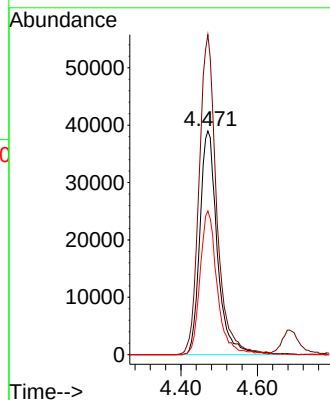
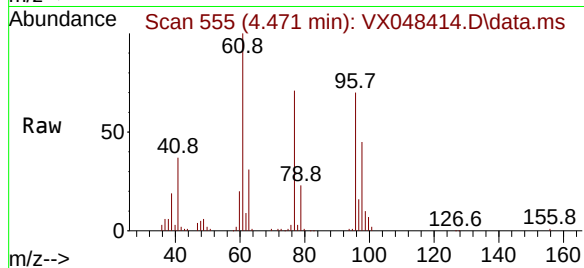
98 63.5 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#28

Bromochloromethane

Concen: 49.998 ug/l

RT: 4.873 min Scan# 621

Delta R.T. -0.018 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

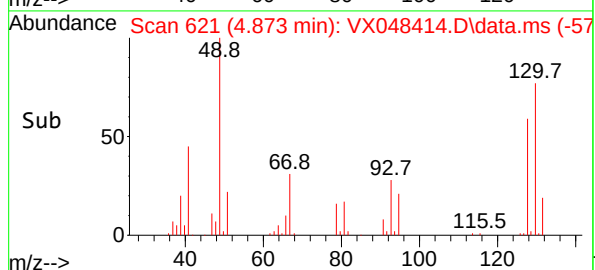
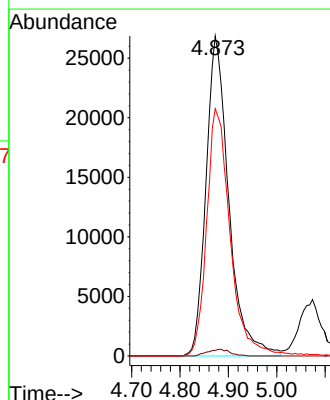
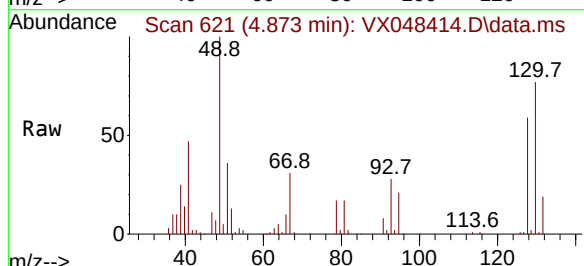
Tgt Ion: 49 Resp: 87699

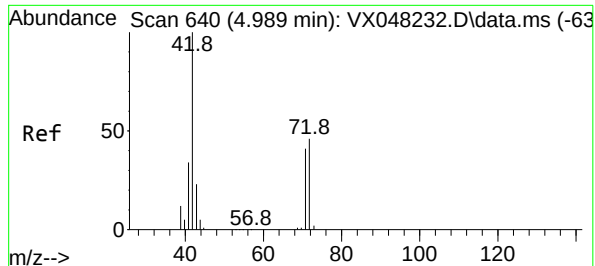
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

130 79.5 59.3 88.9





#29

Tetrahydrofuran

Concen: 223.415 ug/l

RT: 4.970 min Scan# 61

Delta R.T. -0.018 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 42 Resp: 140040

Ion Ratio Lower Upper

42 100

72 47.3 35.3 52.9

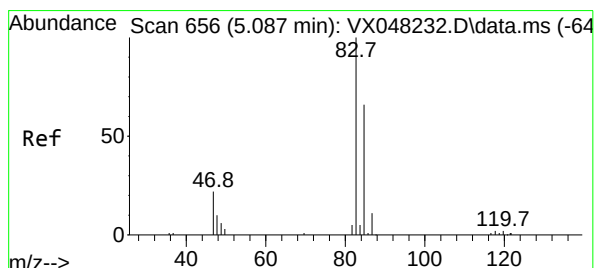
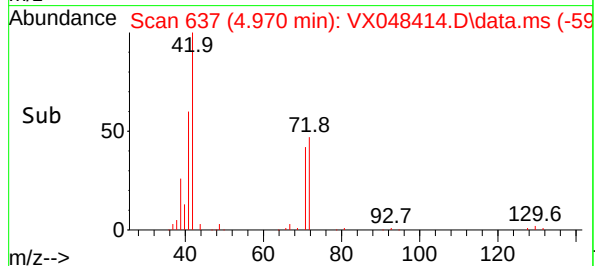
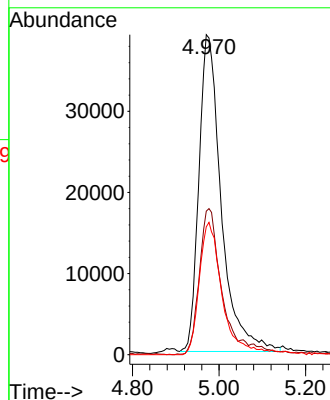
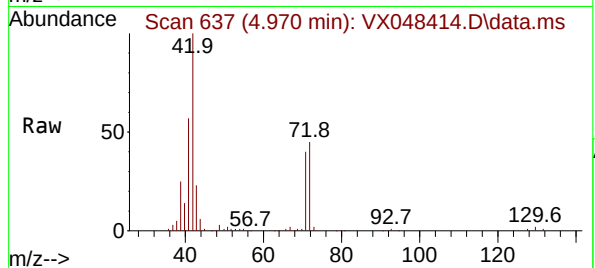
71 42.3 32.2 48.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#30

Chloroform

Concen: 48.085 ug/l

RT: 5.068 min Scan# 653

Delta R.T. -0.012 min

Lab File: VX048414.D

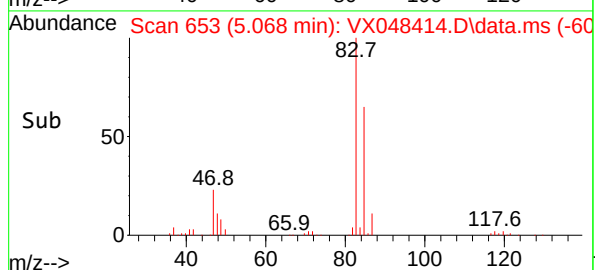
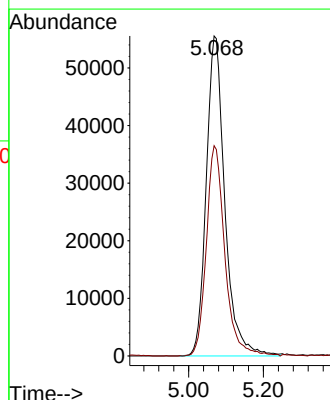
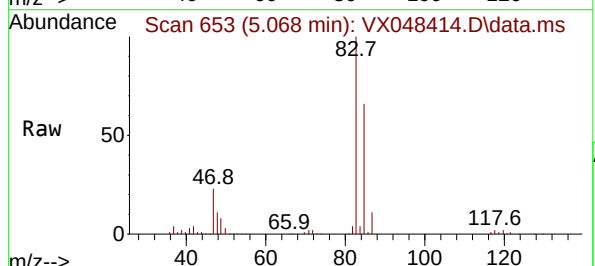
Acq: 29 Oct 2025 14:27

Tgt Ion: 83 Resp: 191447

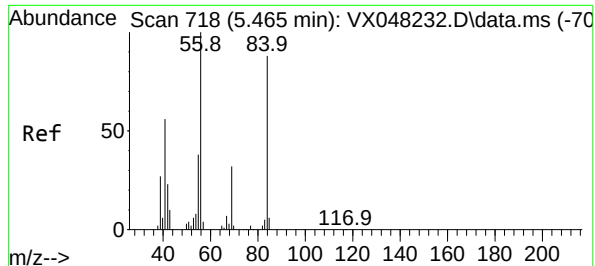
Ion Ratio Lower Upper

83 100

85 65.7 50.1 75.1







#31

Cyclohexane

Concen: 49.045 ug/l

RT: 5.452 min Scan# 701

Delta R.T. -0.012 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 56 Resp: 16477

Ion Ratio Lower Upper

56 100

69 31.4 23.0 34.6

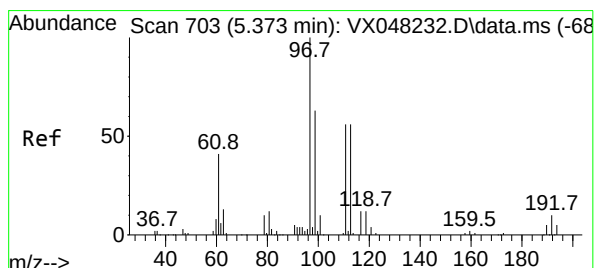
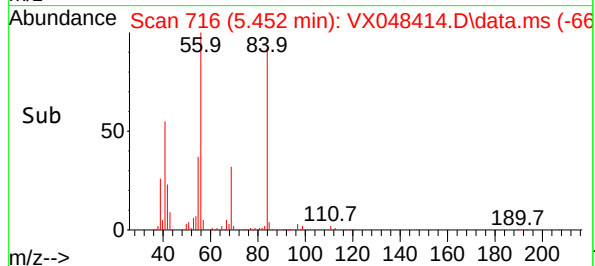
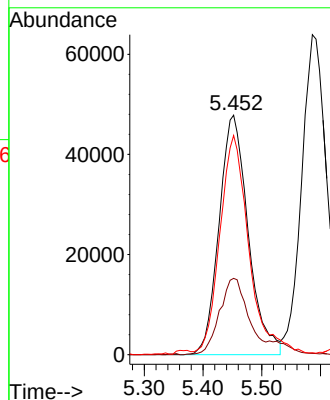
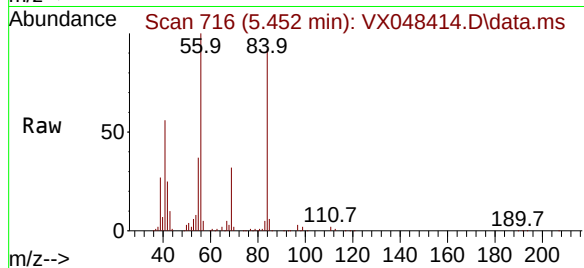
84 89.7 64.6 97.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#32

1,1,1-Trichloroethane

Concen: 49.209 ug/l

RT: 5.361 min Scan# 701

Delta R.T. -0.012 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

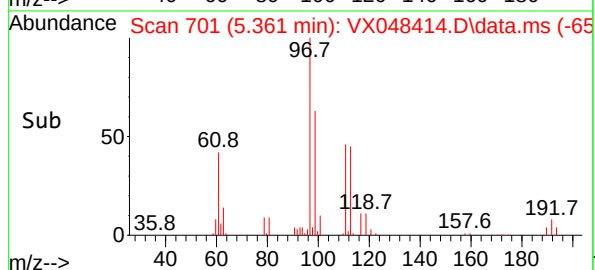
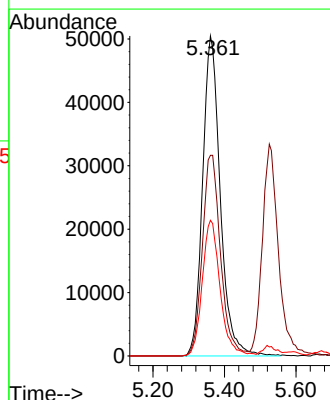
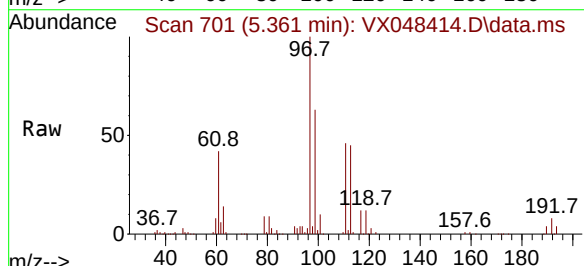
Tgt Ion: 97 Resp: 172962

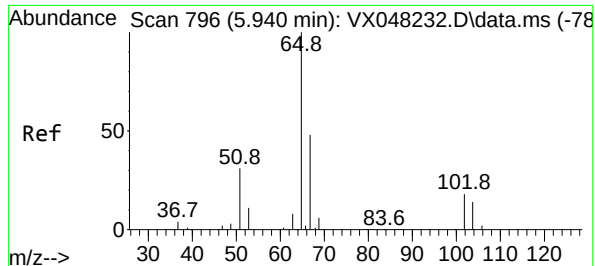
Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 43.0 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 46.518 ug/l

RT: 5.928 min Scan# 79

Delta R.T. -0.012 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVXX102925

Tgt Ion: 65 Resp: 11308

Ion Ratio Lower Upper

65 100

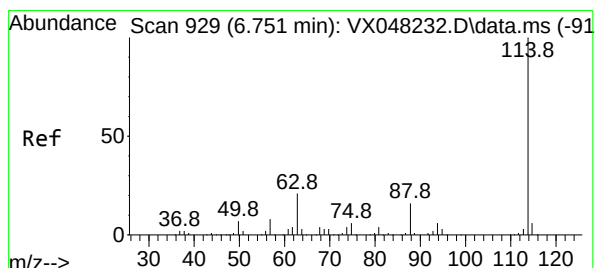
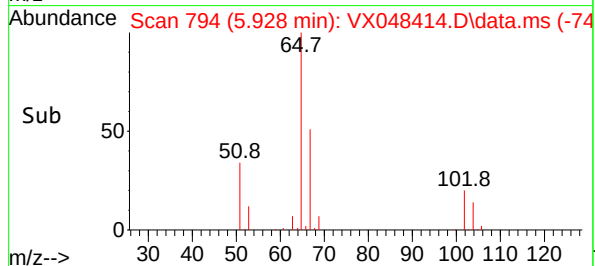
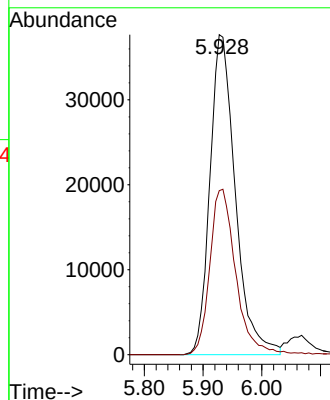
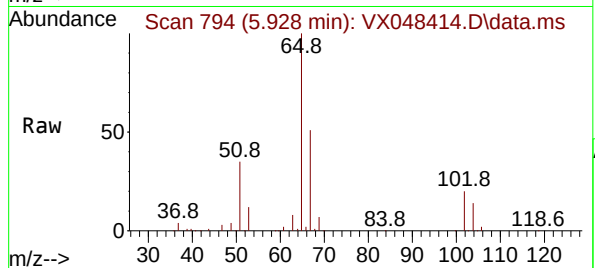
67 53.2 0.0 105.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.738 min Scan# 927

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

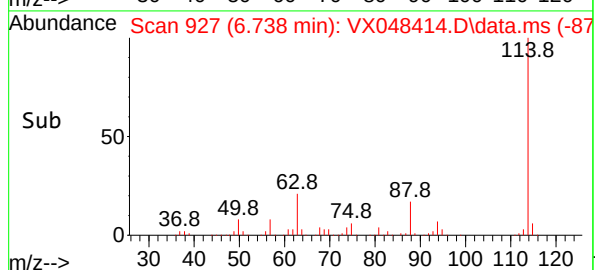
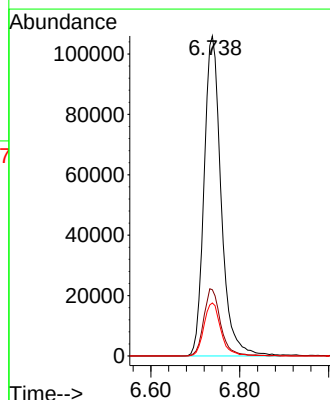
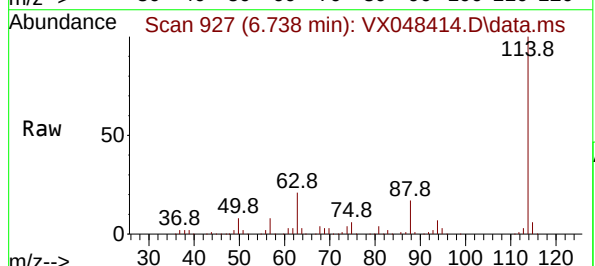
Tgt Ion:114 Resp: 283921

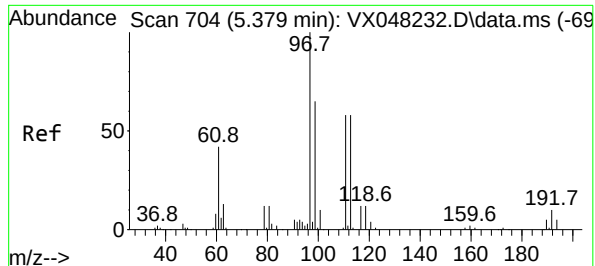
Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.2

88 16.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 46.599 ug/l

RT: 5.361 min Scan# 704

Delta R.T. -0.012 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

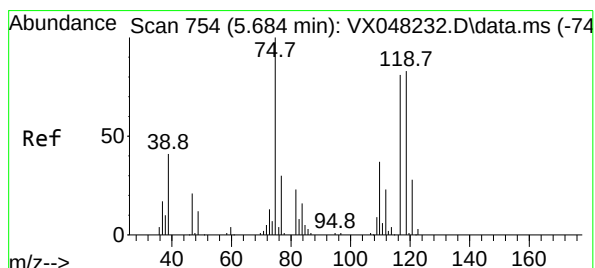
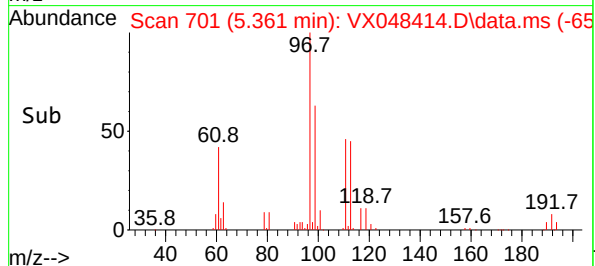
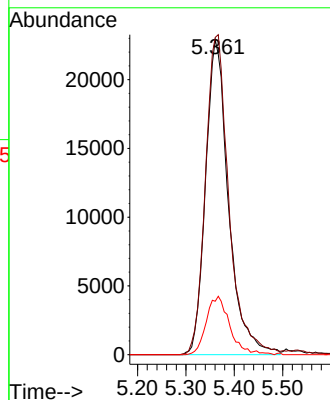
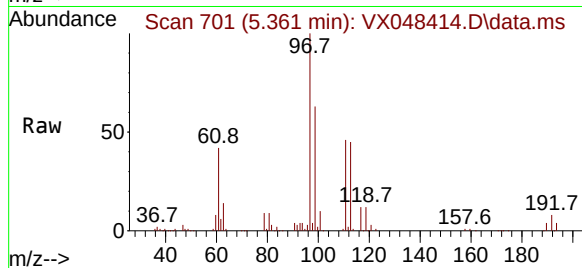
ICVX102925

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 7543  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.8 | 82.2  | 123.4 |
| 192      | 19.0  | 15.1  | 22.7  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#36

1,1-Dichloropropene

Concen: 49.543 ug/l

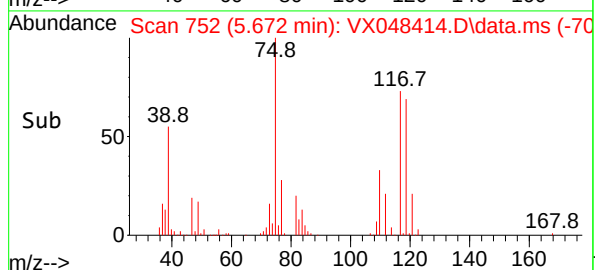
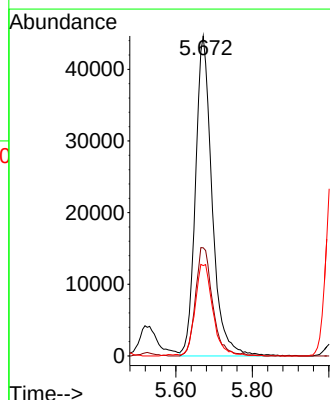
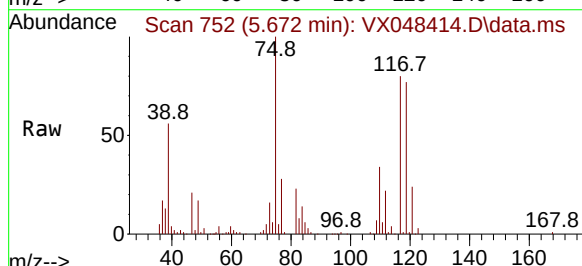
RT: 5.672 min Scan# 752

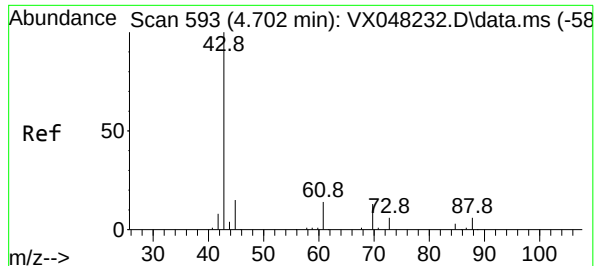
Delta R.T. -0.012 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 134675 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 35.2  | 17.7  | 53.1   |
| 77       | 30.6  | 24.3  | 36.5   |





#37

Ethyl Acetate

Concen: 46.775 ug/l

RT: 4.684 min Scan# 593

Delta R.T. -0.012 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

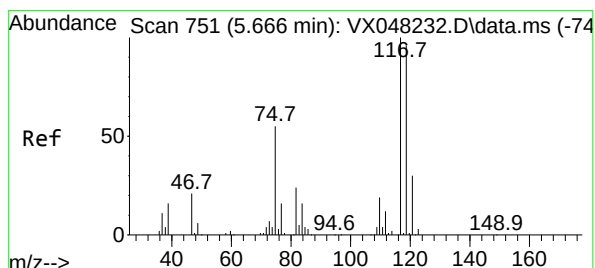
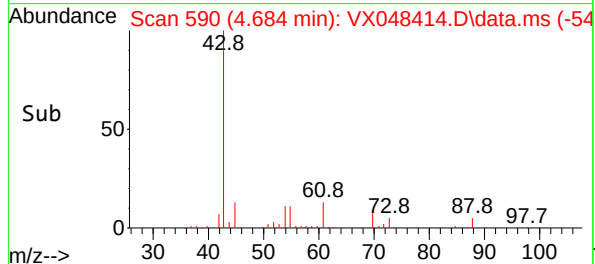
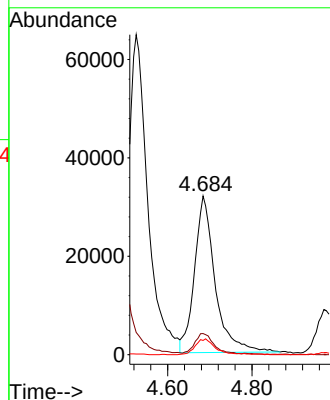
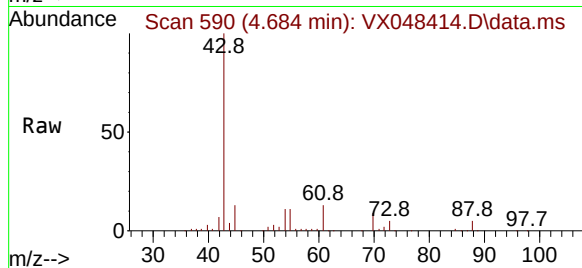
Tgt Ion: 43 Resp: 108329

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 11.4  | 10.6  | 15.8  |
| 70  | 9.8   | 7.8   | 11.6  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#38

Carbon Tetrachloride

Concen: 47.932 ug/l

RT: 5.653 min Scan# 749

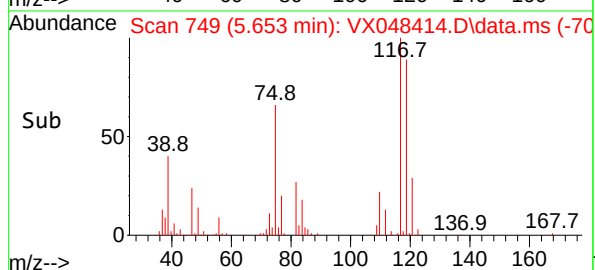
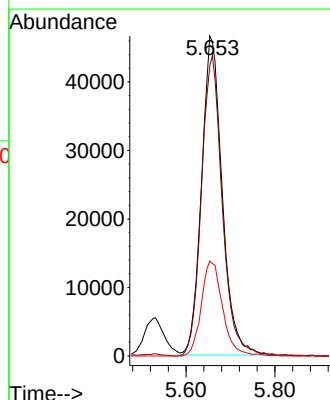
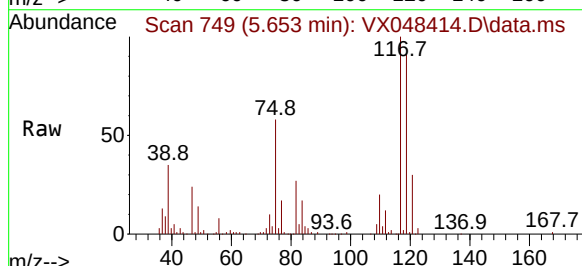
Delta R.T. -0.012 min

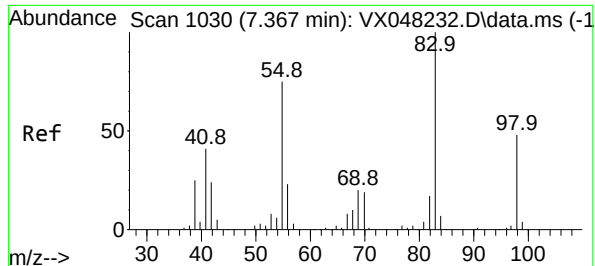
Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Tgt Ion:117 Resp: 150439

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 90.7  | 77.2  | 115.8 |
| 121 | 29.7  | 24.8  | 37.2  |





#39

Methylcyclohexane

Concen: 48.502 ug/l

RT: 7.360 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 83 Resp: 169550

Ion Ratio Lower Upper

83 100

55 77.7 66.2 99.2

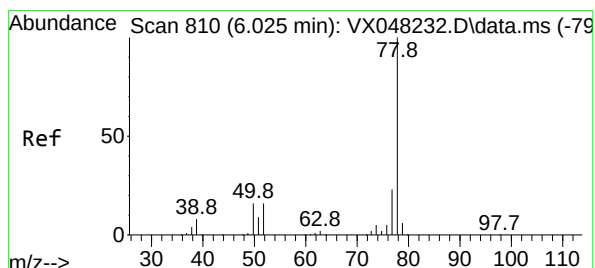
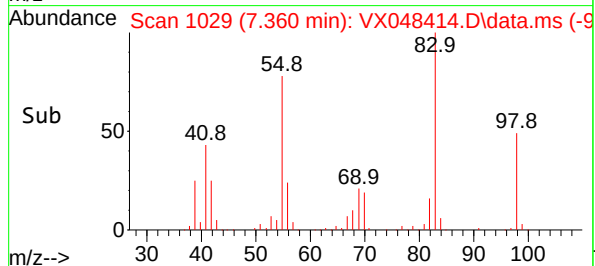
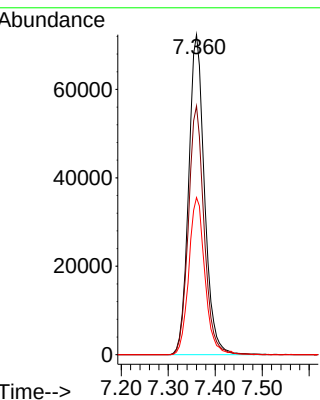
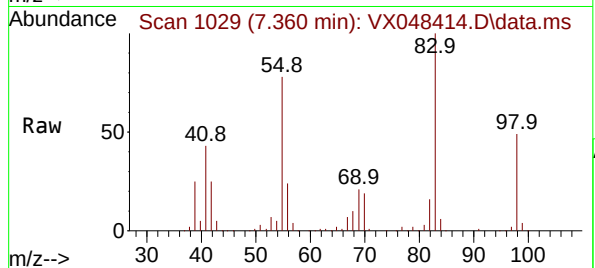
98 49.1 38.9 58.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#40

Benzene

Concen: 48.853 ug/l

RT: 6.013 min Scan# 808

Delta R.T. -0.012 min

Lab File: VX048414.D

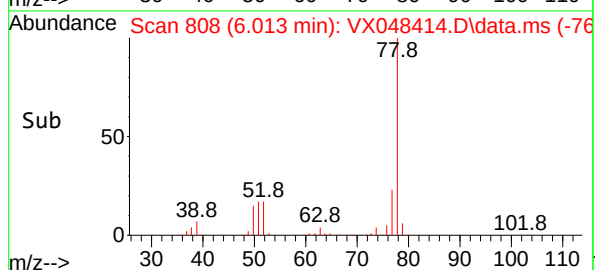
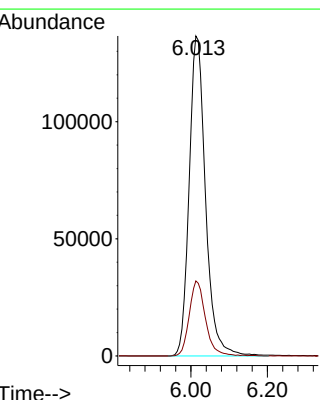
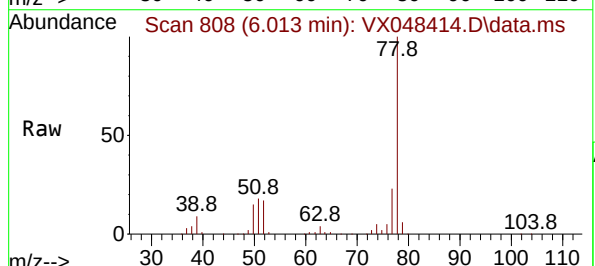
Acq: 29 Oct 2025 14:27

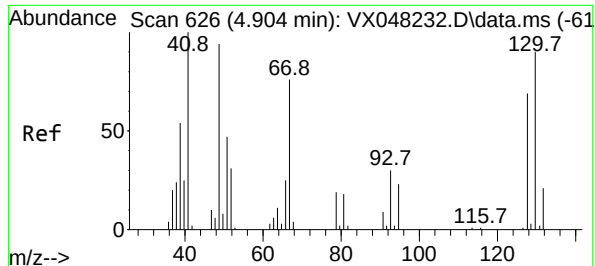
Tgt Ion: 78 Resp: 405701

Ion Ratio Lower Upper

78 100

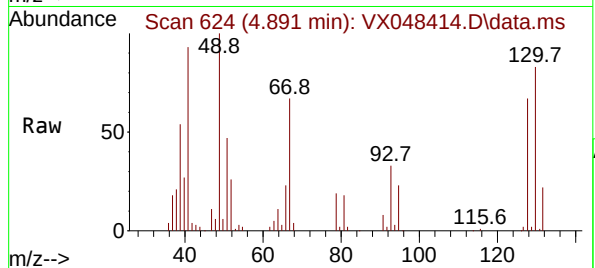
77 23.5 19.3 28.9





#41  
Methacrylonitrile  
Concen: 47.600 ug/l  
RT: 4.891 min Scan# 61  
Delta R.T. -0.018 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

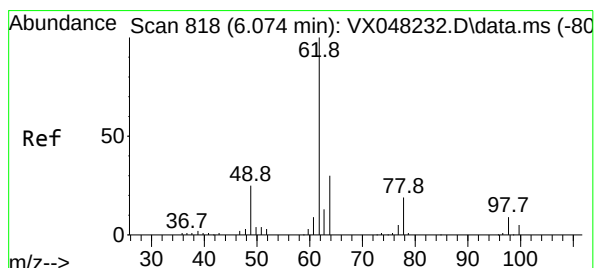
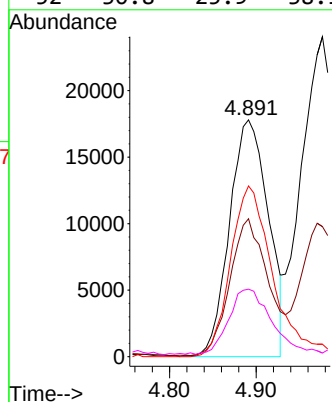
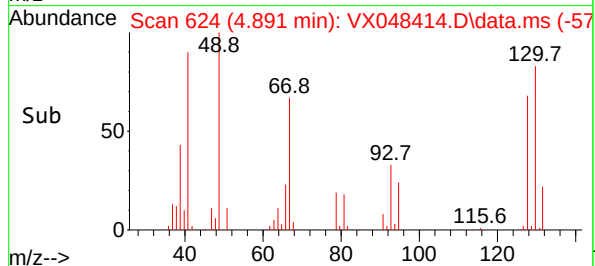
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX102925



Tgt Ion: 41 Resp: 5552  
Ion Ratio Lower Upper  
41 100  
39 56.8 44.0 66.0  
67 78.6 58.7 88.1  
52 30.8 25.9 38.9

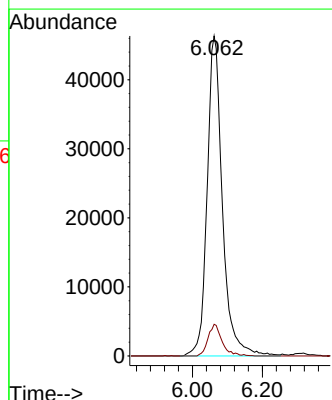
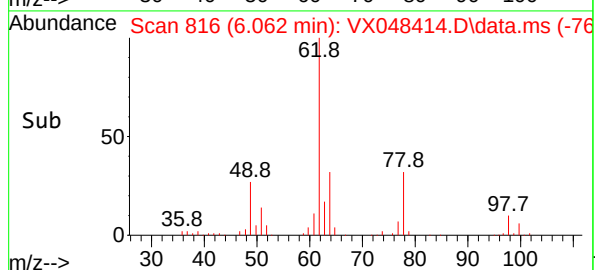
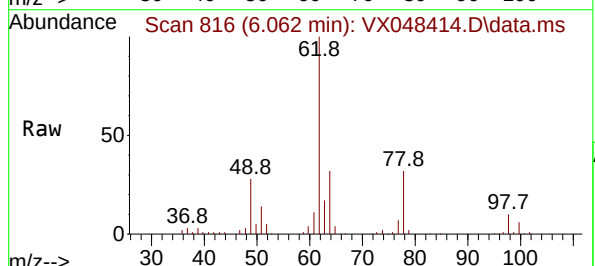
Manual Integrations  
APPROVED

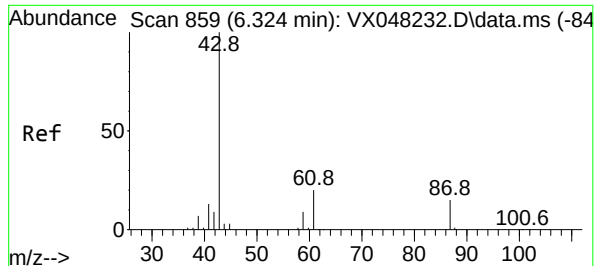
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#42  
1,2-Dichloroethane  
Concen: 48.040 ug/l  
RT: 6.062 min Scan# 816  
Delta R.T. -0.012 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Tgt Ion: 62 Resp: 140522  
Ion Ratio Lower Upper  
62 100  
98 9.0 0.0 17.2





#43

Isopropyl Acetate

Concen: 46.749 ug/l

RT: 6.312 min Scan# 81

Delta R.T. -0.012 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 43 Resp: 17875

Ion Ratio Lower Upper

43 100

61 19.9 14.9 22.3

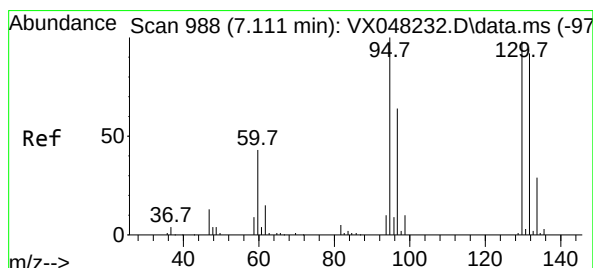
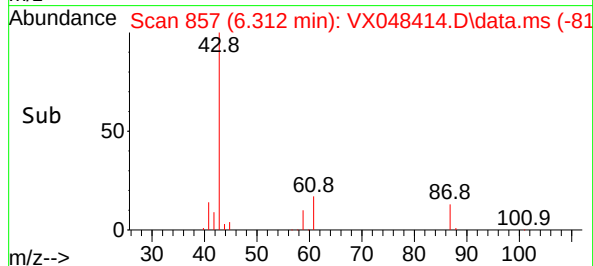
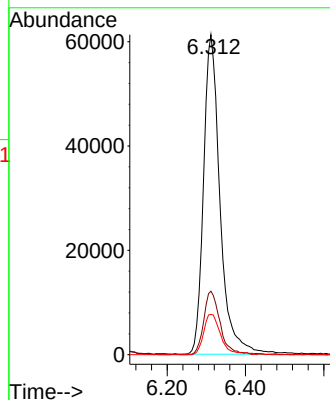
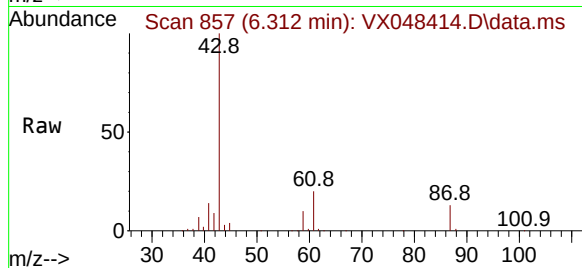
87 13.0 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#44

Trichloroethene

Concen: 48.636 ug/l

RT: 7.104 min Scan# 987

Delta R.T. -0.006 min

Lab File: VX048414.D

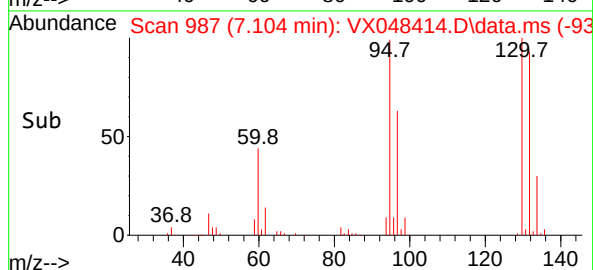
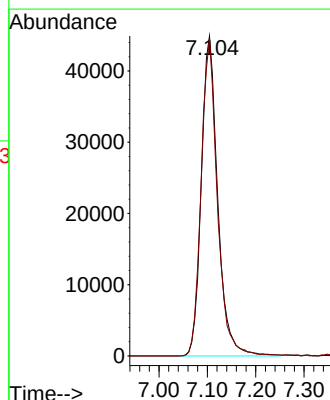
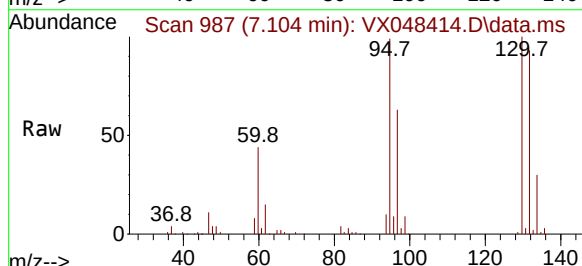
Acq: 29 Oct 2025 14:27

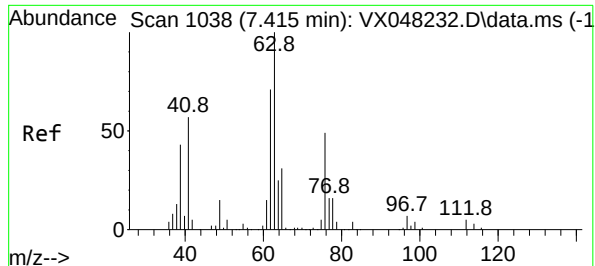
Tgt Ion:130 Resp: 105821

Ion Ratio Lower Upper

130 100

95 99.4 0.0 200.6





#45

1,2-Dichloropropane

Concen: 47.756 ug/l

RT: 7.409 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 63 Resp: 9904

Ion Ratio Lower Upper

63 100

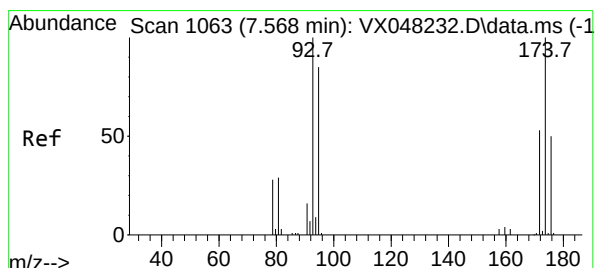
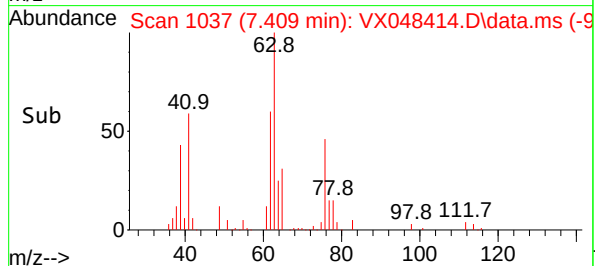
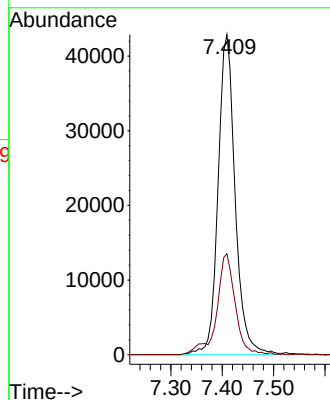
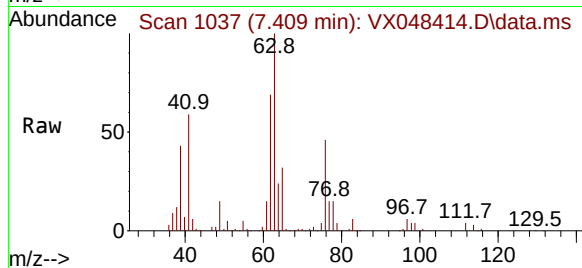
65 31.5 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#46

Dibromomethane

Concen: 48.082 ug/l

RT: 7.561 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

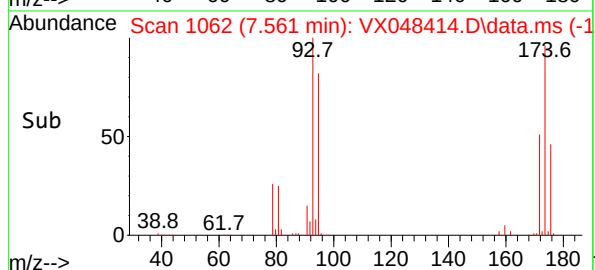
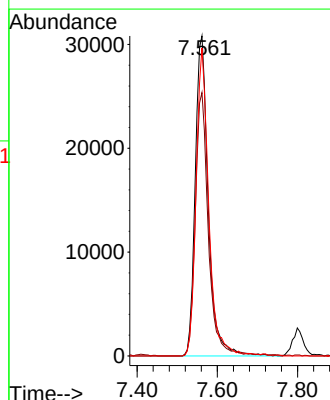
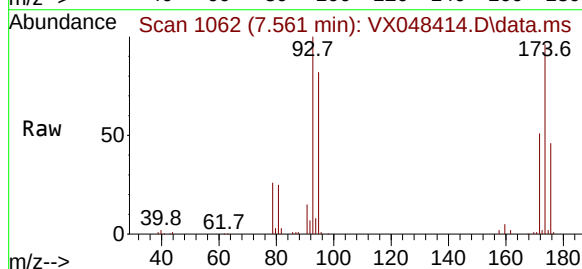
Tgt Ion: 93 Resp: 69810

Ion Ratio Lower Upper

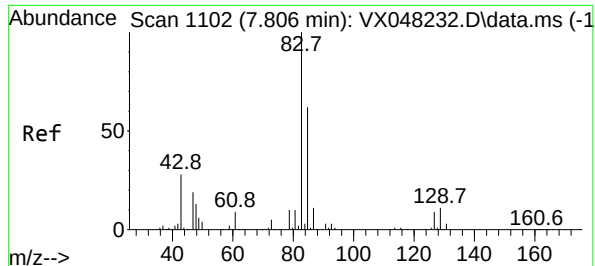
93 100

95 81.2 65.9 98.9

174 93.5 71.7 107.5







#47

Bromodichloromethane

Concen: 48.913 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

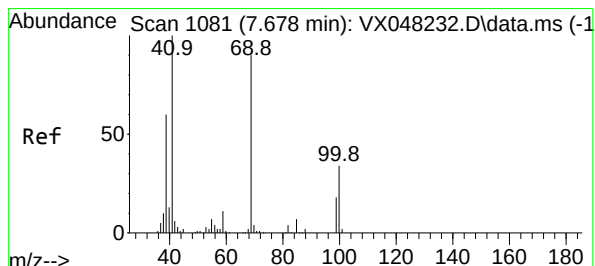
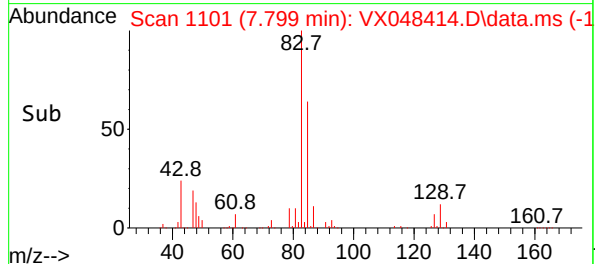
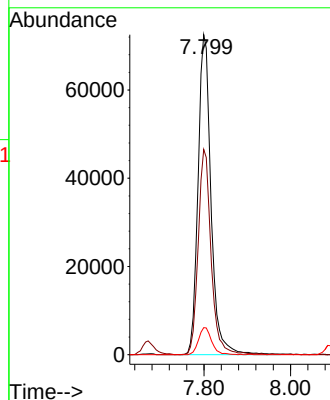
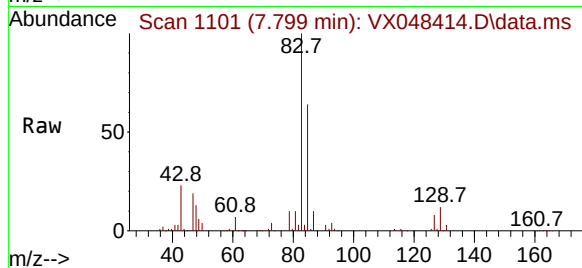
ICVVX102925

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 15089 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.1  | 52.2  | 78.4  |
| 127      | 8.4   | 7.3   | 10.9  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#48

Methyl methacrylate

Concen: 48.394 ug/l

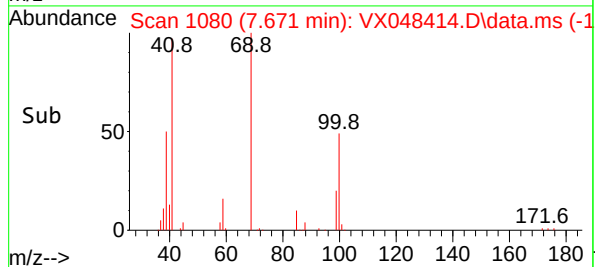
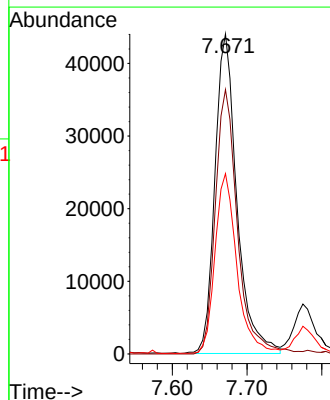
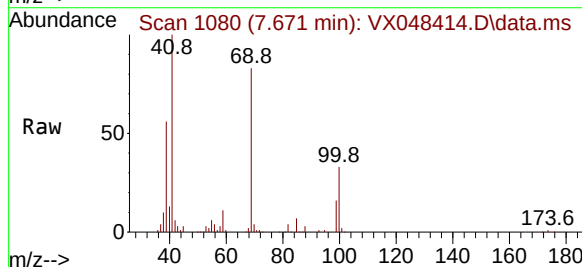
RT: 7.671 min Scan# 1080

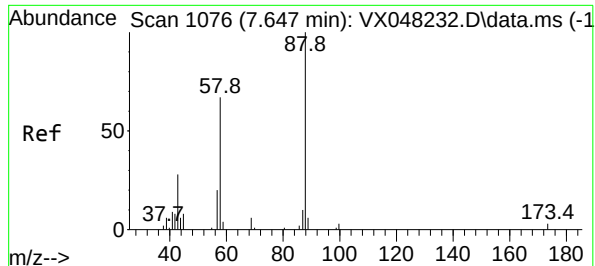
Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 90239 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 83.4  | 63.4  | 95.0  |
| 39       | 56.0  | 47.1  | 70.7  |





#49

1,4-Dioxane

Concen: 977.625 ug/l

RT: 7.635 min Scan# 1076

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

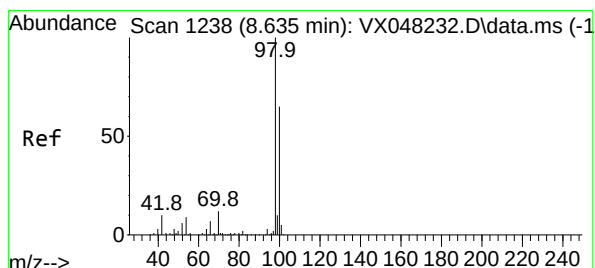
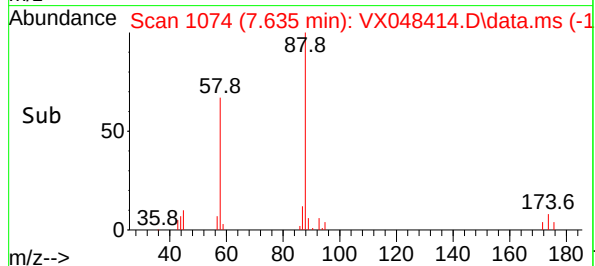
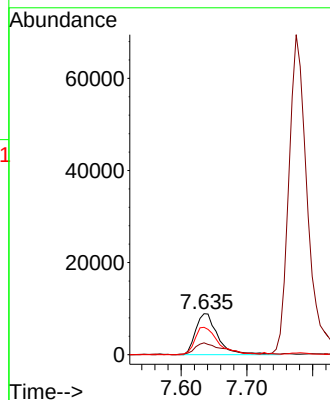
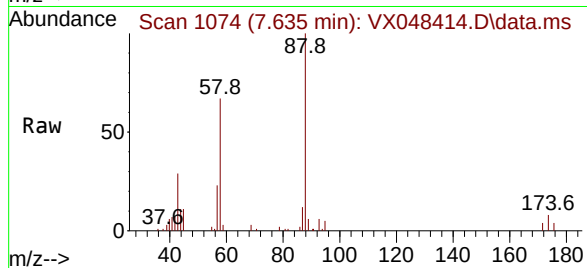
ICVX102925

| Tgt Ion | 88    | Resp  | 20720 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 38.1  | 35.0  | 52.4  |
| 58      | 70.5  | 61.9  | 92.9  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#50

Toluene-d8

Concen: 46.543 ug/l

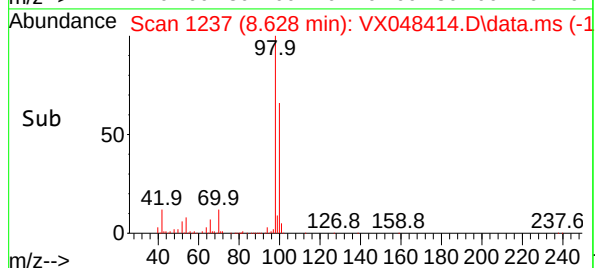
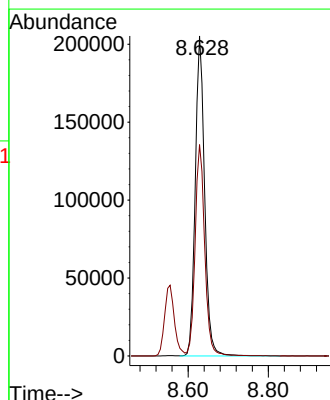
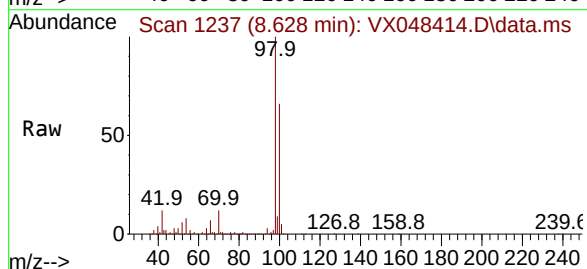
RT: 8.628 min Scan# 1237

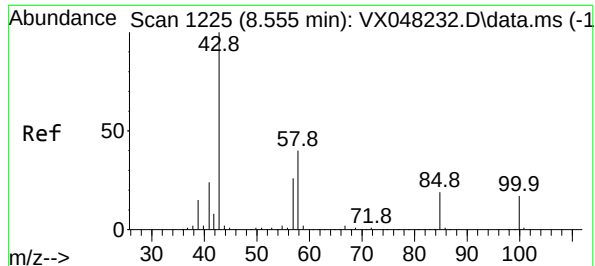
Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

| Tgt Ion | 98    | Resp  | 332571 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 67.6  | 53.0  | 79.4   |





#51

4-Methyl-2-Pentanone

Concen: 227.914 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 43 Resp: 48500

Ion Ratio Lower Upper

43 100

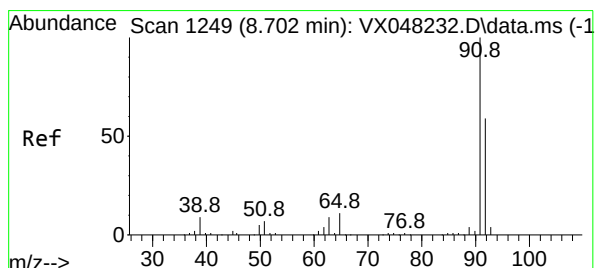
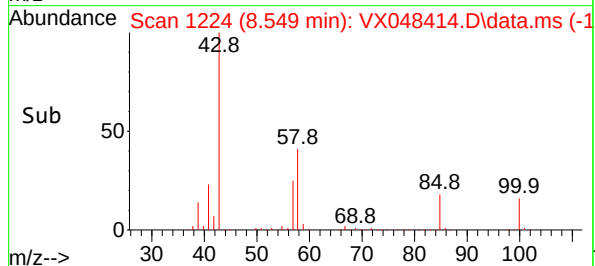
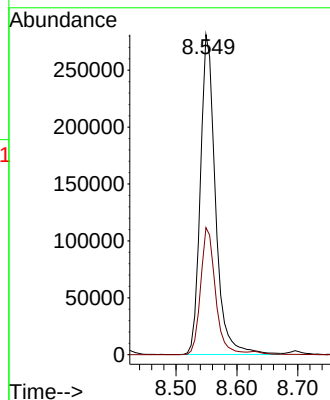
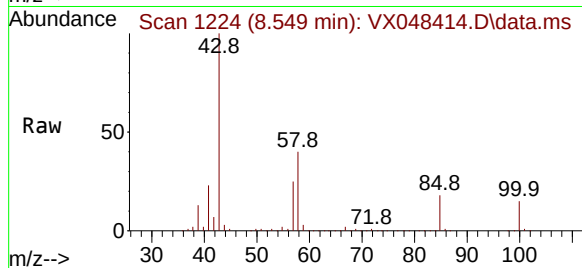
58 39.0 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#52

Toluene

Concen: 48.734 ug/l

RT: 8.701 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VX048414.D

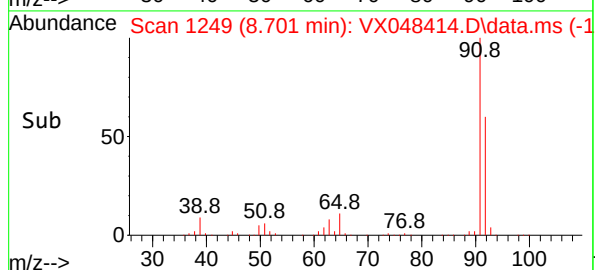
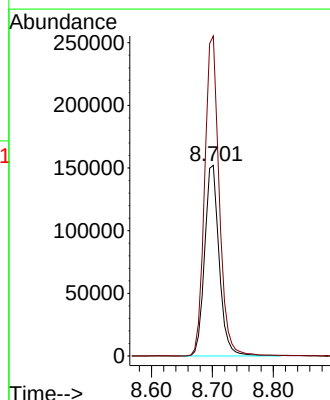
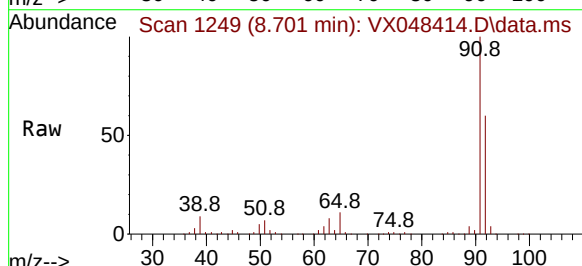
Acq: 29 Oct 2025 14:27

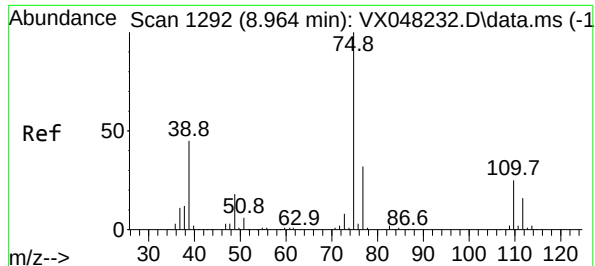
Tgt Ion: 92 Resp: 252888

Ion Ratio Lower Upper

92 100

91 168.6 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 49.836 ug/l

RT: 8.958 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 75 Resp: 13934

Ion Ratio Lower Upper

75 100

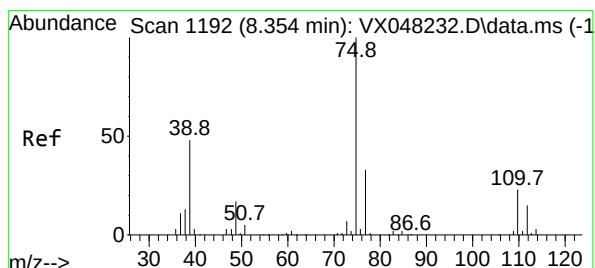
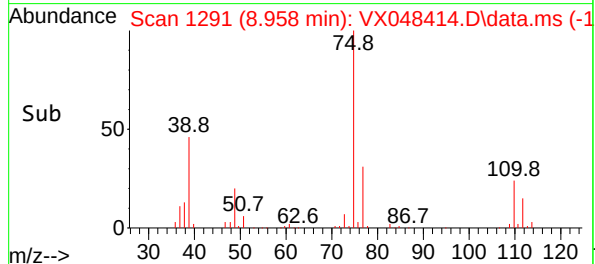
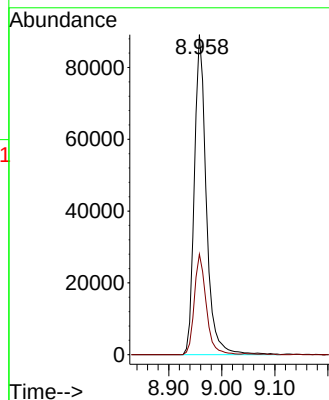
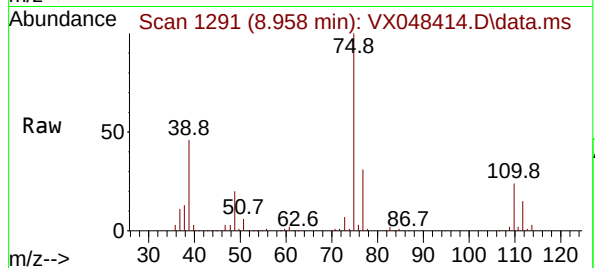
77 31.4 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#54

cis-1,3-Dichloropropene

Concen: 49.233 ug/l

RT: 8.348 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

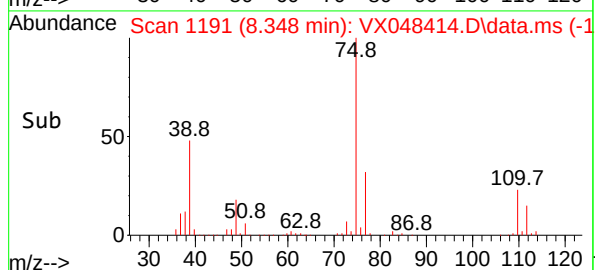
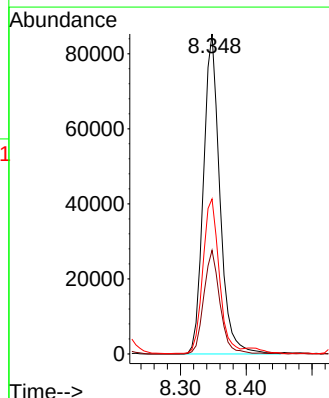
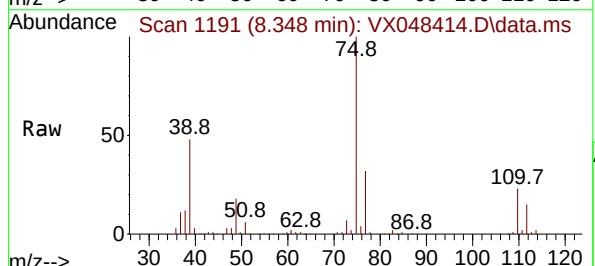
Tgt Ion: 75 Resp: 148316

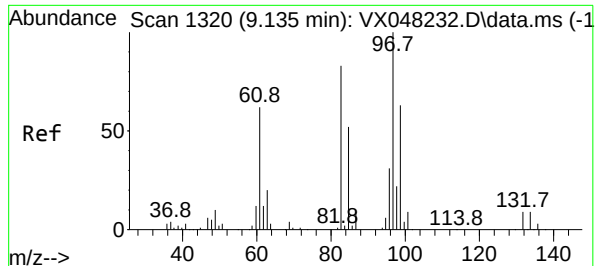
Ion Ratio Lower Upper

75 100

77 32.4 24.9 37.3

39 47.7 42.6 64.0





#55

1,1,2-Trichloroethane

Concen: 47.464 ug/l

RT: 9.134 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 97 Resp: 8913

Ion Ratio Lower Upper

97 100

83 84.3 70.6 105.8

85 53.5 45.0 67.6

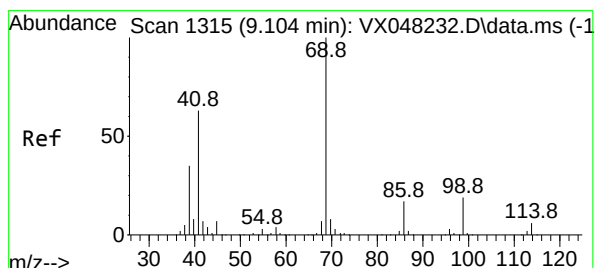
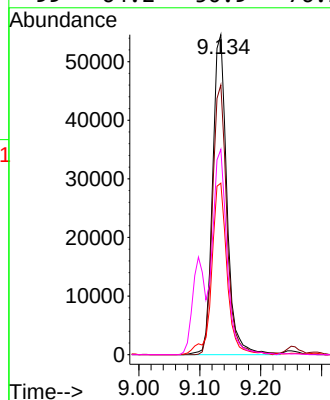
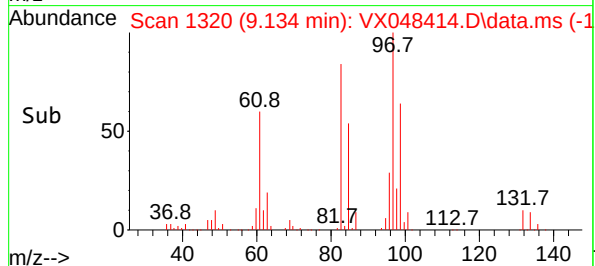
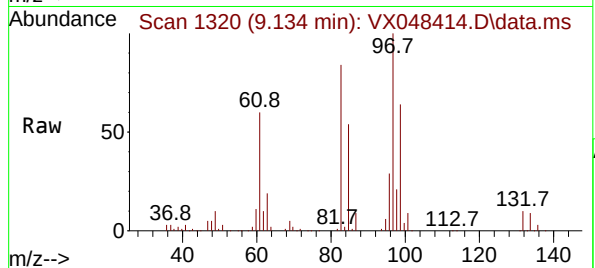
99 64.2 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#56

Ethyl methacrylate

Concen: 48.593 ug/l

RT: 9.098 min Scan# 1314

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

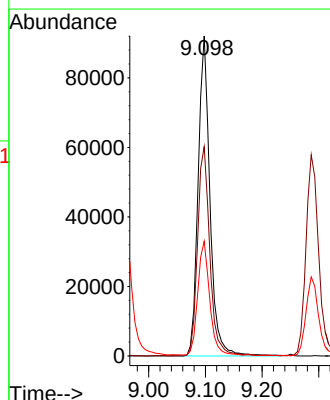
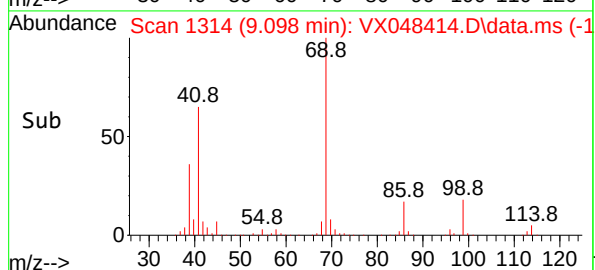
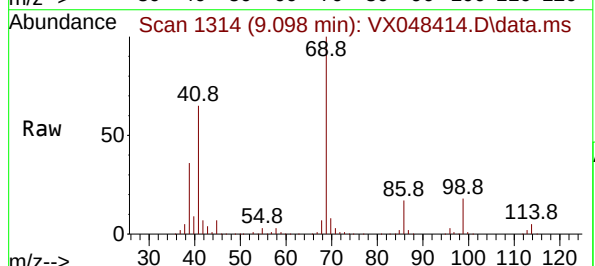
Tgt Ion: 69 Resp: 133617

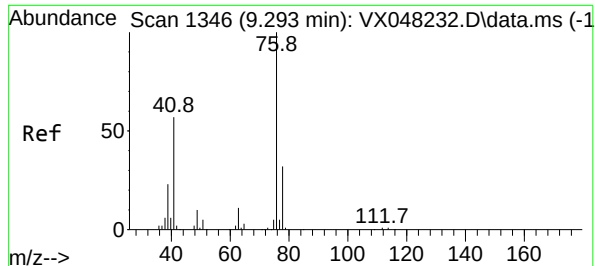
Ion Ratio Lower Upper

69 100

41 67.8 56.0 84.0

39 36.4 31.6 47.4





#57

1,3-Dichloropropane

Concen: 47.520 ug/l

RT: 9.287 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 76 Resp: 154729

Ion Ratio Lower Upper

76 100

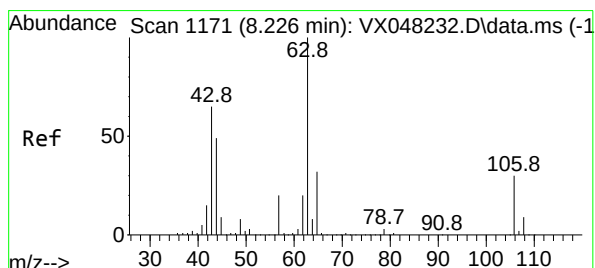
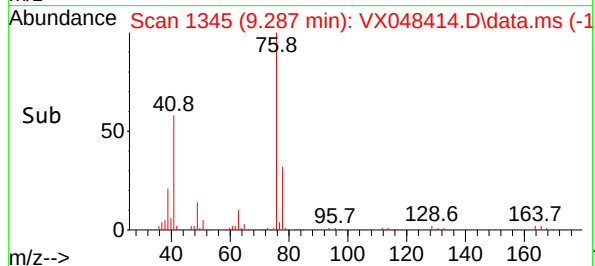
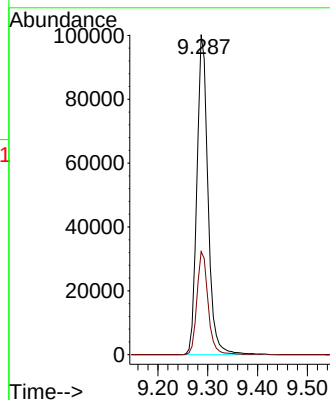
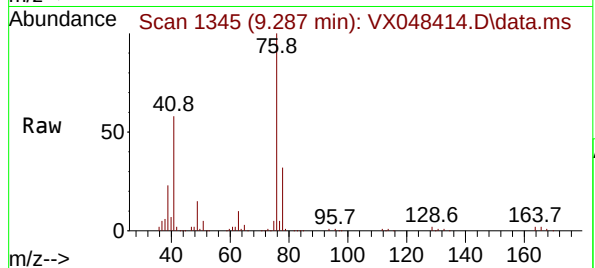
78 32.4 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#58

2-Chloroethyl Vinyl ether

Concen: 221.341 ug/l

RT: 8.220 min Scan# 1170

Delta R.T. -0.006 min

Lab File: VX048414.D

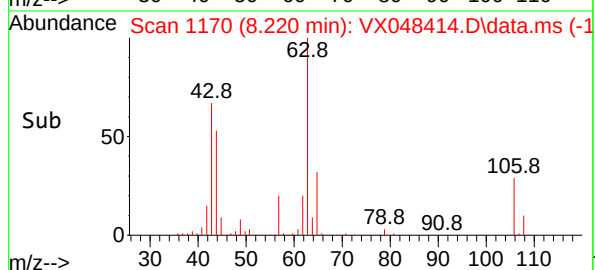
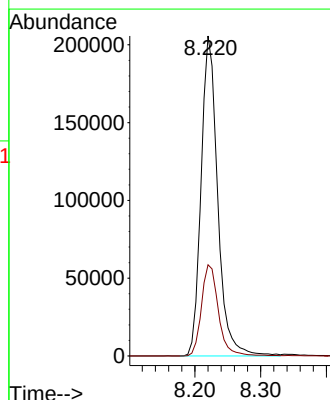
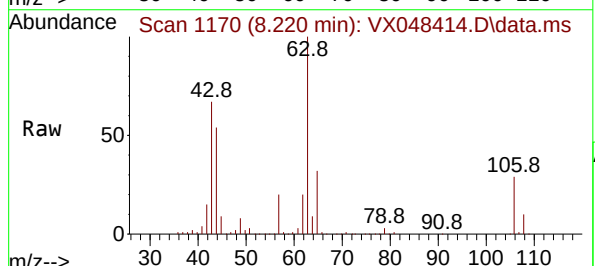
Acq: 29 Oct 2025 14:27

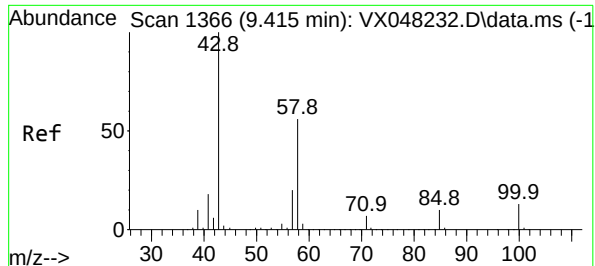
Tgt Ion: 63 Resp: 360689

Ion Ratio Lower Upper

63 100

106 29.1 22.2 33.2





#59

2-Hexanone

Concen: 233.382 ug/l

RT: 9.409 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 43 Resp: 32315

Ion Ratio Lower Upper

43 100

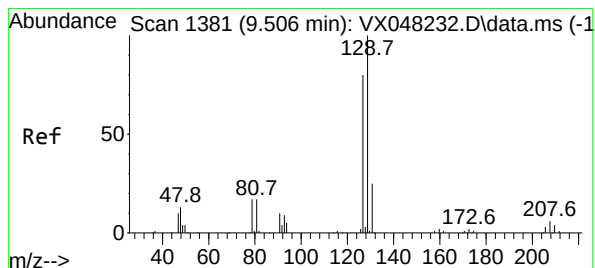
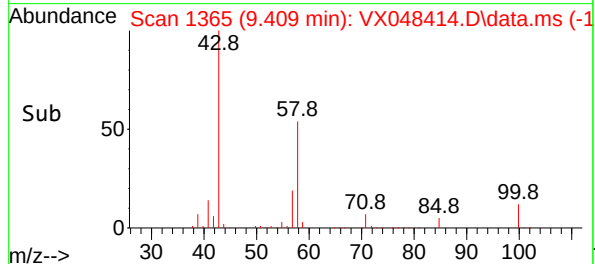
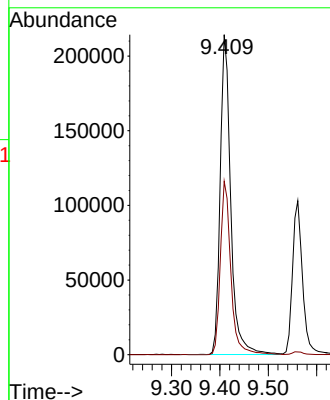
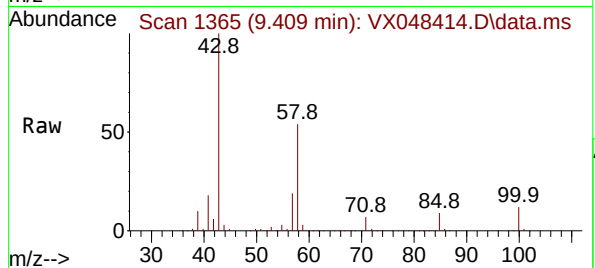
58 54.2 26.3 78.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#60

Dibromochloromethane

Concen: 48.209 ug/l

RT: 9.500 min Scan# 1380

Delta R.T. -0.006 min

Lab File: VX048414.D

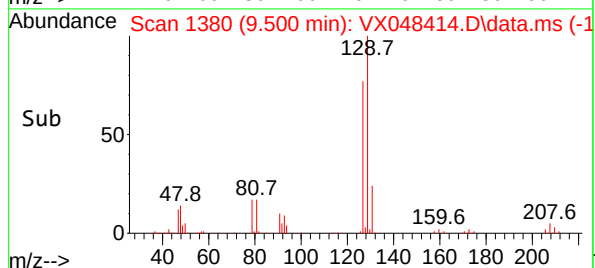
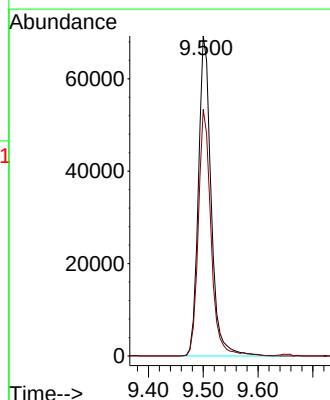
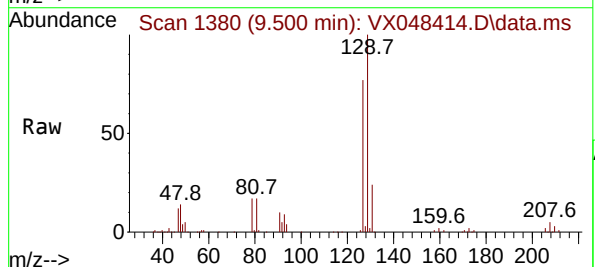
Acq: 29 Oct 2025 14:27

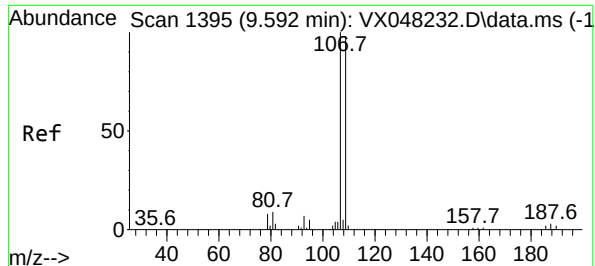
Tgt Ion:129 Resp: 111965

Ion Ratio Lower Upper

129 100

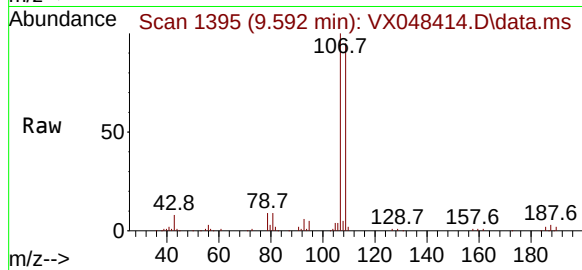
127 77.0 38.6 115.7





#61  
1,2-Dibromoethane  
Concen: 47.024 ug/l  
RT: 9.592 min Scan# 1395  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

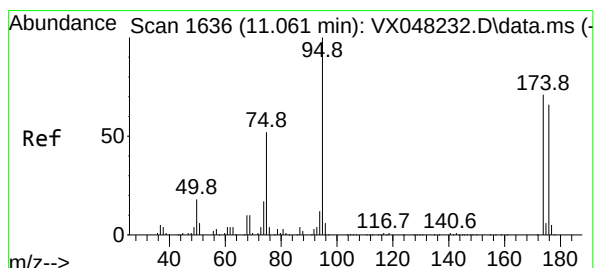
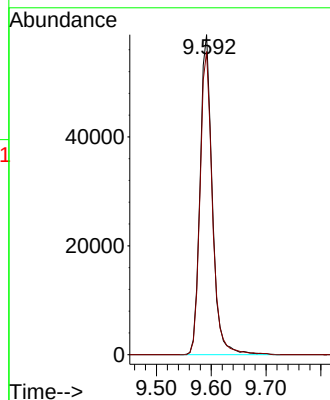
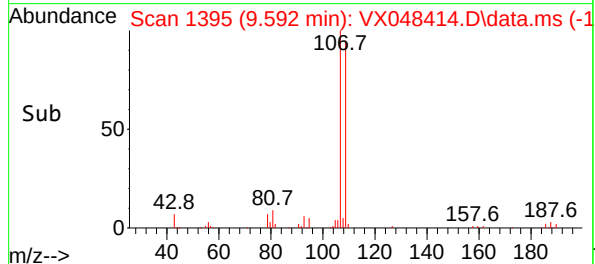
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925



Tgt Ion:107 Resp: 91354  
Ion Ratio Lower Upper  
107 100  
109 96.2 77.0 115.4

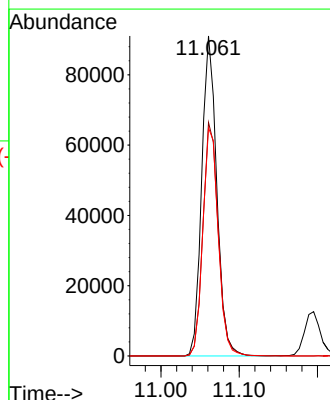
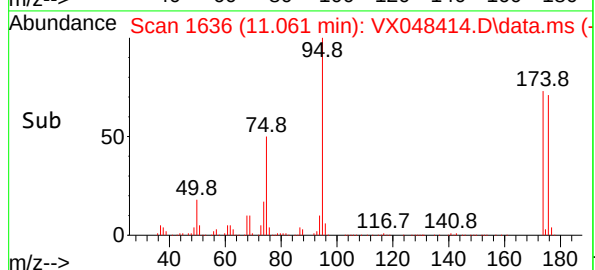
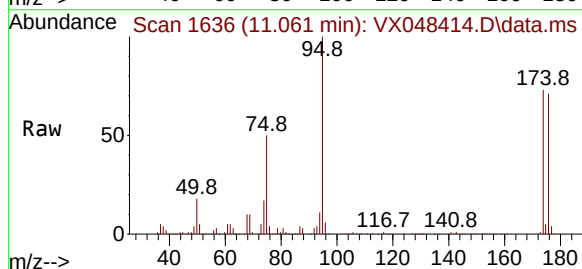
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

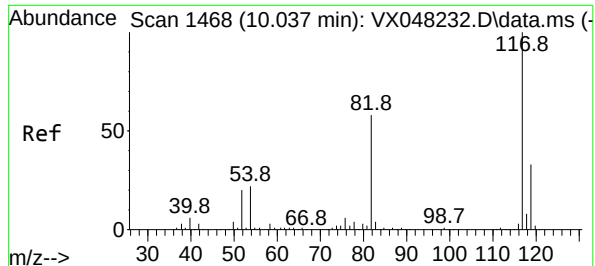


#62  
4-Bromofluorobenzene  
Concen: 45.358 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Tgt Ion: 95 Resp: 121242  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 147.8  
176 73.0 0.0 142.8







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

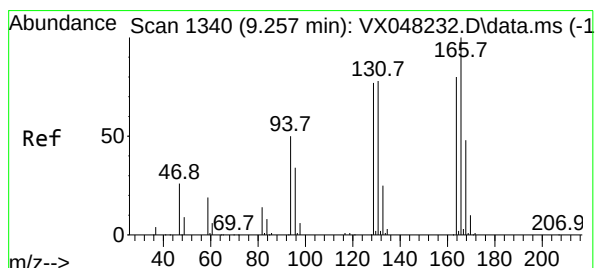
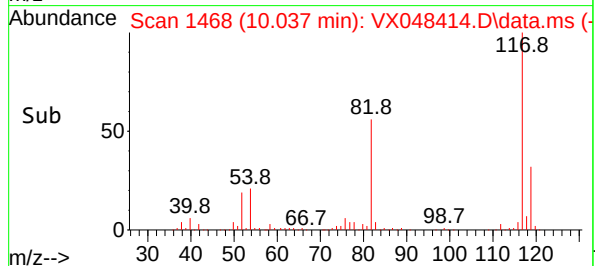
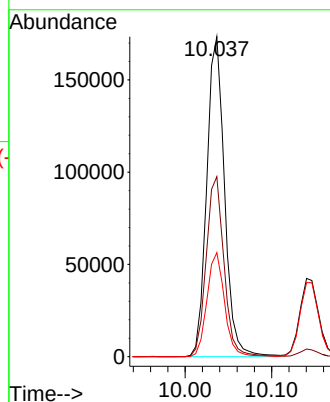
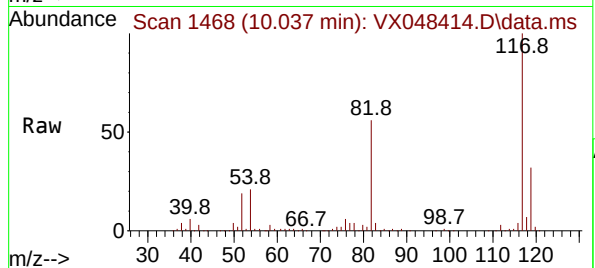
ICVVX102925

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 24754 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 56.2  | 46.5  | 69.7  |
| 119      | 32.5  | 25.9  | 38.9  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#64

Tetrachloroethene

Concen: 47.723 ug/l

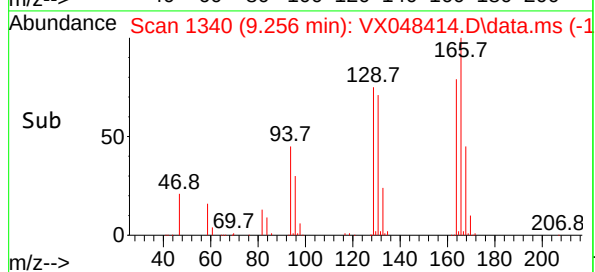
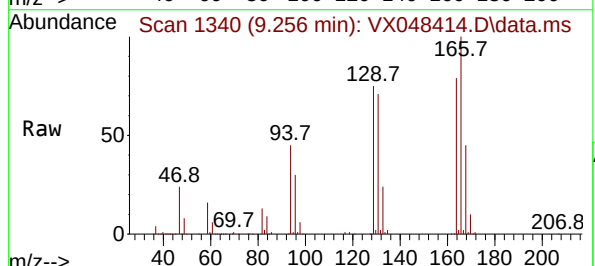
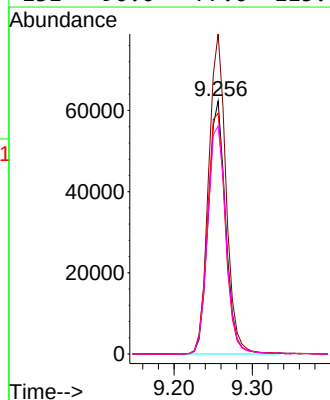
RT: 9.256 min Scan# 1340

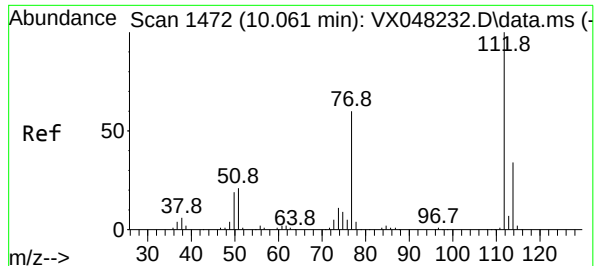
Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 95139 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 126.5 | 104.5 | 156.7 |
| 129      | 95.1  | 81.8  | 122.6 |
| 131      | 90.0  | 77.0  | 115.6 |





#65

Chlorobenzene

Concen: 48.554 ug/l

RT: 10.061 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion:112 Resp: 27690

Ion Ratio Lower Upper

112 100

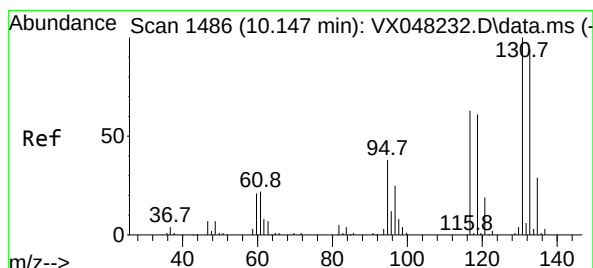
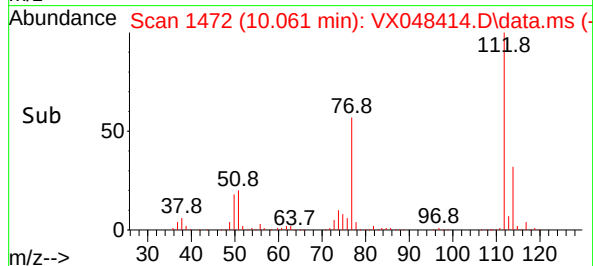
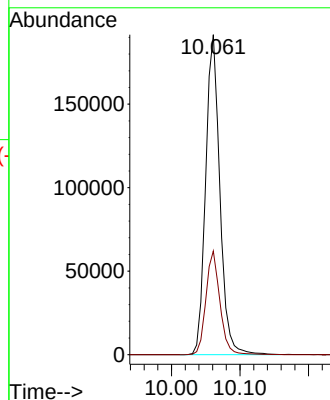
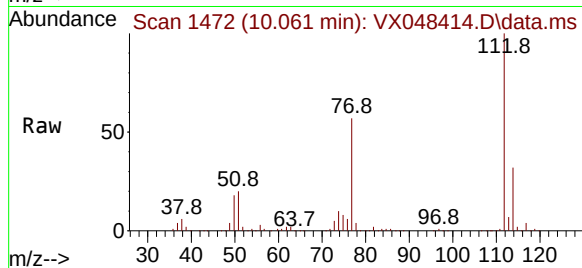
114 32.4 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 50.149 ug/l

RT: 10.140 min Scan# 1485

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

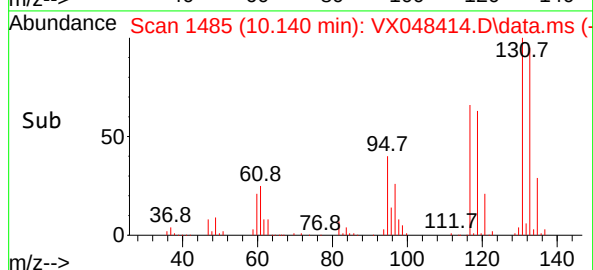
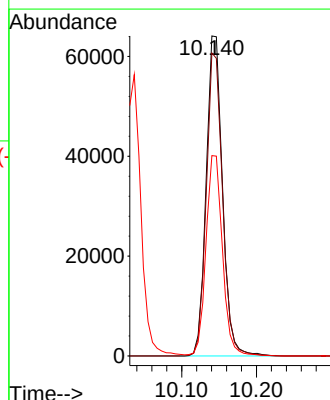
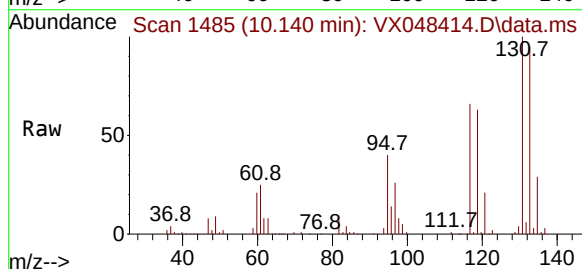
Tgt Ion:131 Resp: 97283

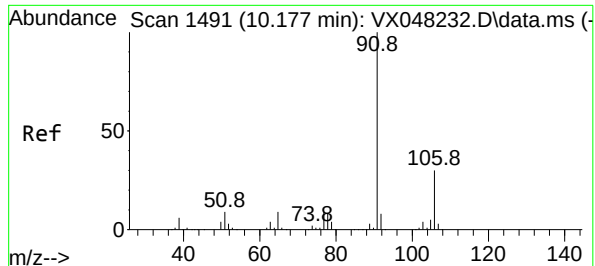
Ion Ratio Lower Upper

131 100

133 94.3 47.6 142.8

119 63.3 32.5 97.5





#67

Ethyl Benzene

Concen: 50.314 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 91 Resp: 48313

Ion Ratio Lower Upper

91 100

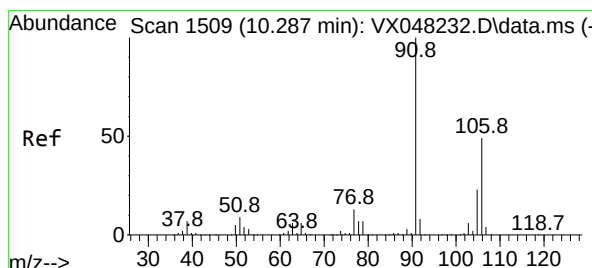
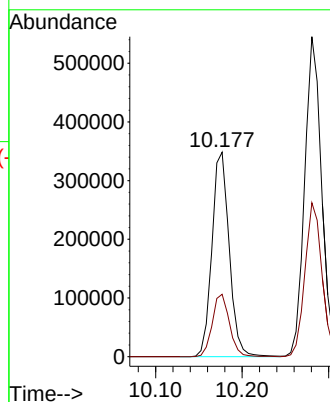
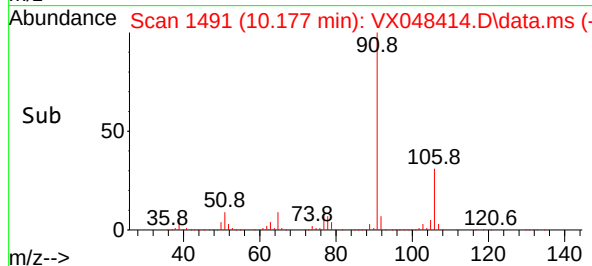
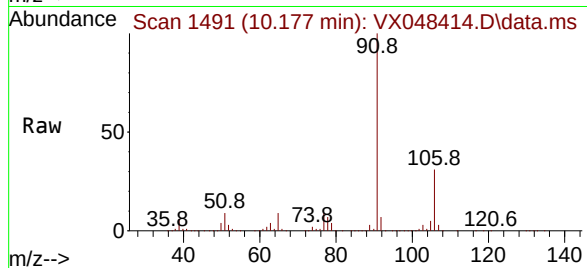
106 30.5 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#68

m/p-Xylenes

Concen: 100.167 ug/l

RT: 10.280 min Scan# 1508

Delta R.T. -0.006 min

Lab File: VX048414.D

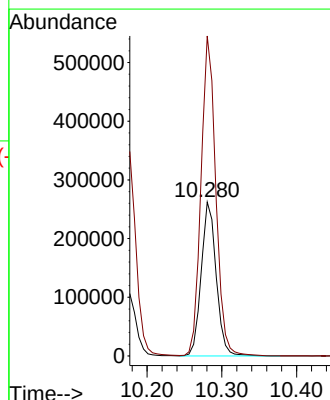
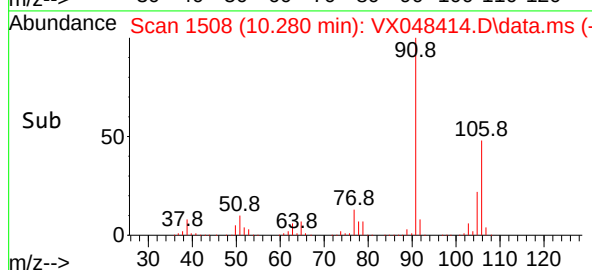
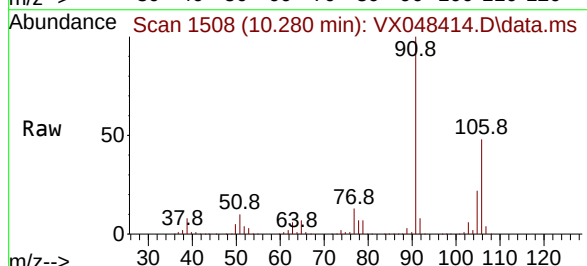
Acq: 29 Oct 2025 14:27

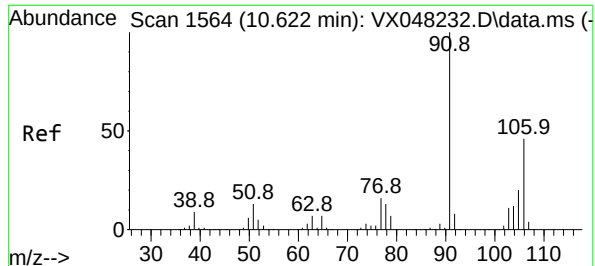
Tgt Ion:106 Resp: 364180

Ion Ratio Lower Upper

106 100

91 205.9 167.9 251.9





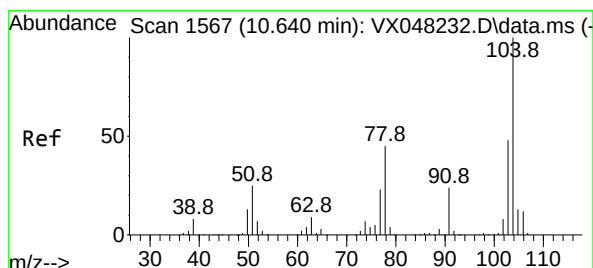
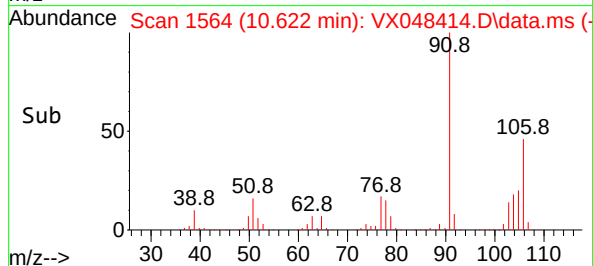
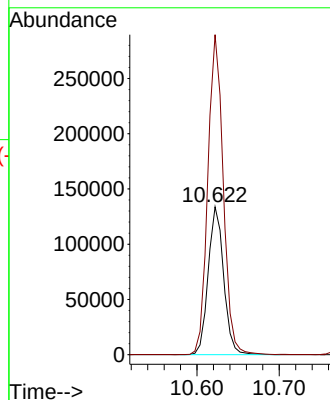
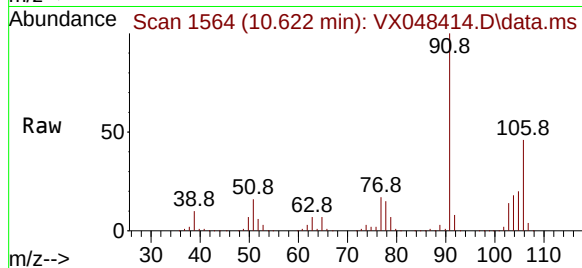
#69  
o-Xylene  
Concen: 50.358 ug/l  
RT: 10.622 min Scan# 1564  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX102925

Tgt Ion:106 Resp: 17496  
Ion Ratio Lower Upper  
106 100  
91 215.9 111.3 333.9

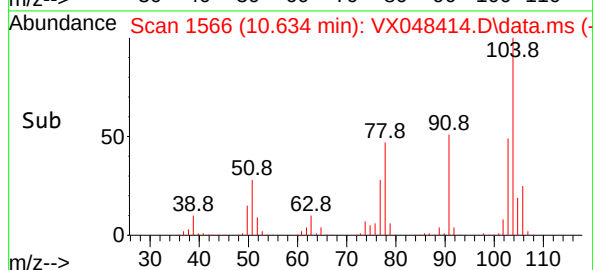
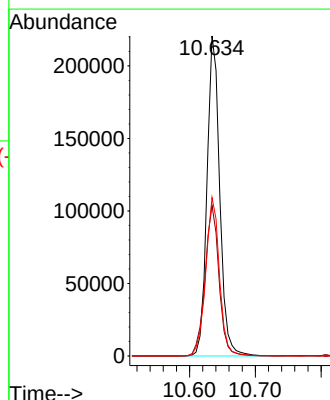
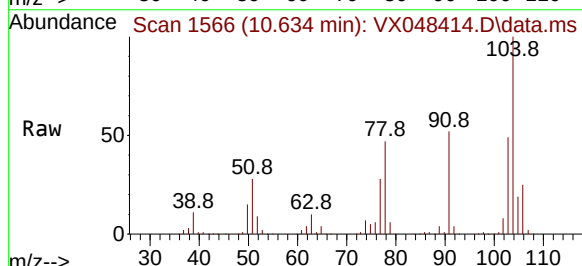
Manual Integrations  
APPROVED

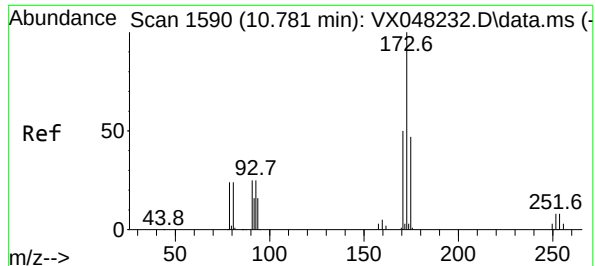
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#70  
Styrene  
Concen: 50.557 ug/l  
RT: 10.634 min Scan# 1566  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

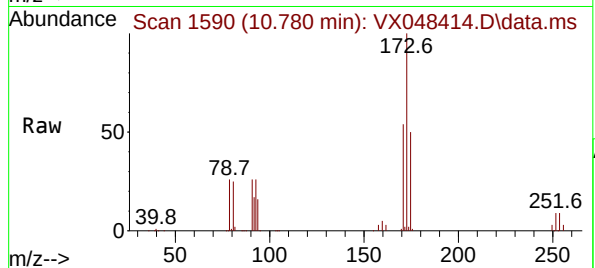
Tgt Ion:104 Resp: 297560  
Ion Ratio Lower Upper  
104 100  
78 51.7 42.2 63.4  
103 53.6 43.0 64.4





#71  
Bromoform  
Concen: 47.120 ug/l  
RT: 10.780 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

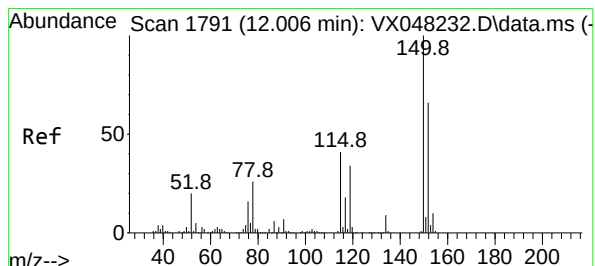
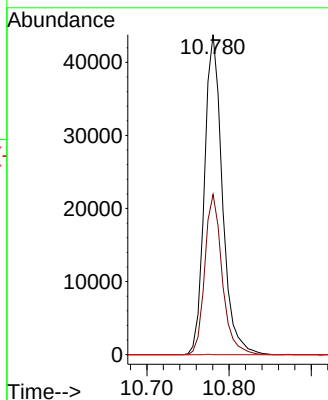
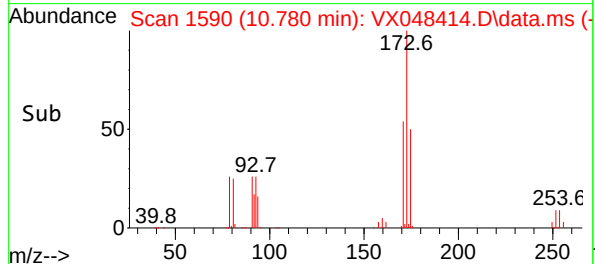
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX102925



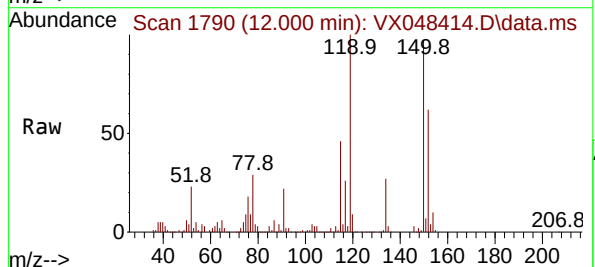
Tgt Ion:173 Resp: 66125  
Ion Ratio Lower Upper  
173 100  
175 48.7 24.0 72.0  
254 0.0 0.0 0.0

Manual Integrations  
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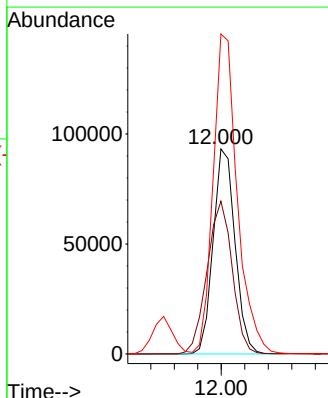
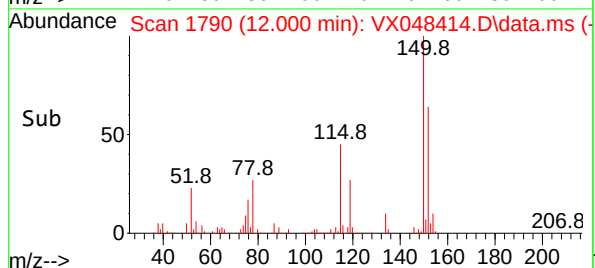
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

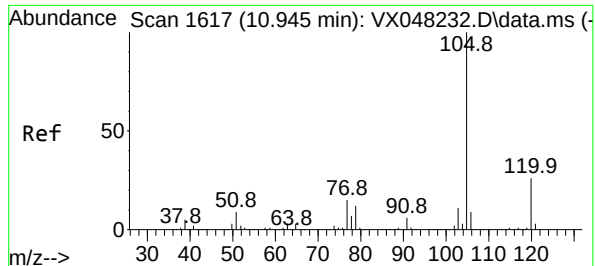


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.000 min Scan# 1790  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27



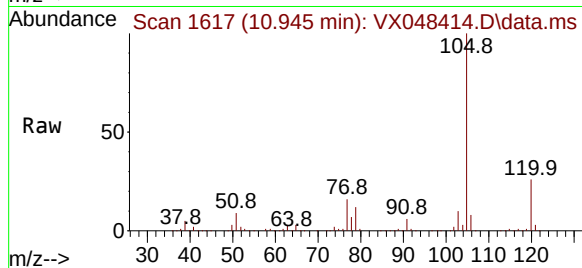
Tgt Ion:152 Resp: 120737  
Ion Ratio Lower Upper  
152 100  
115 85.7 43.1 129.4  
150 171.7 0.0 353.0





#73  
Isopropylbenzene  
Concen: 50.703 ug/l  
RT: 10.945 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

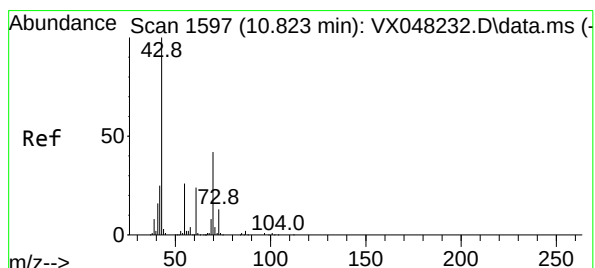
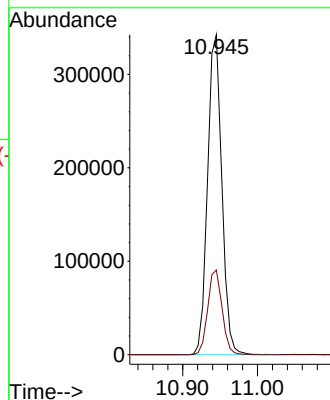
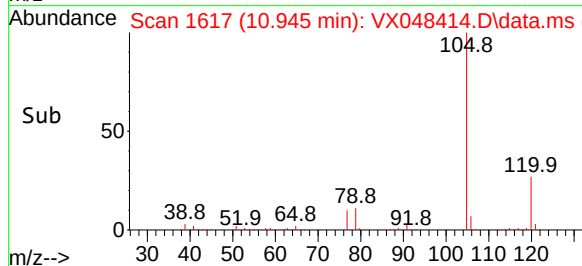
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925



Tgt Ion:105 Resp: 45279  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.0 38.9

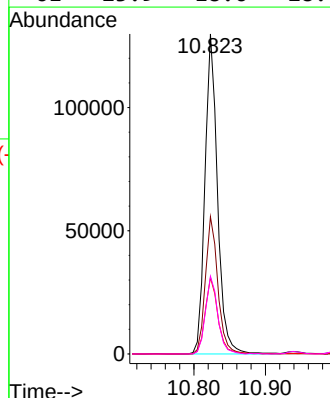
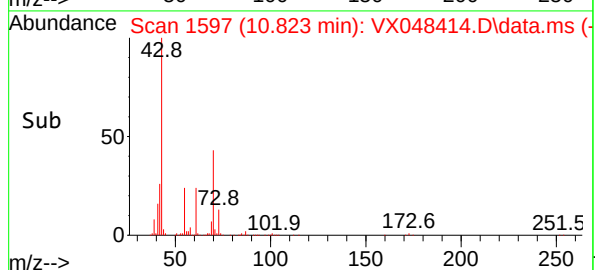
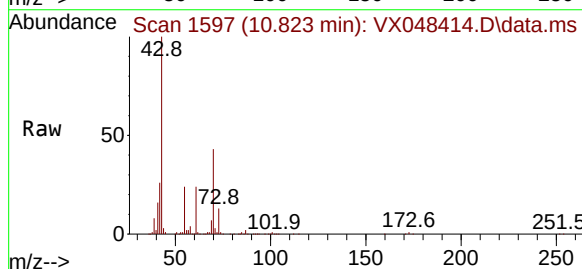
Manual Integrations  
APPROVED

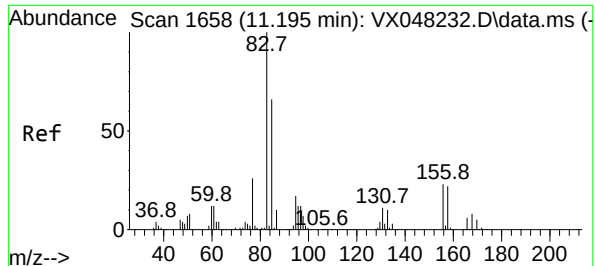
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#74  
N-ethyl acetate  
Concen: 49.685 ug/l  
RT: 10.823 min Scan# 1597  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Tgt Ion: 43 Resp: 158286  
Ion Ratio Lower Upper  
43 100  
70 43.1 32.2 48.2  
55 24.5 19.1 28.7  
61 23.9 18.6 28.0





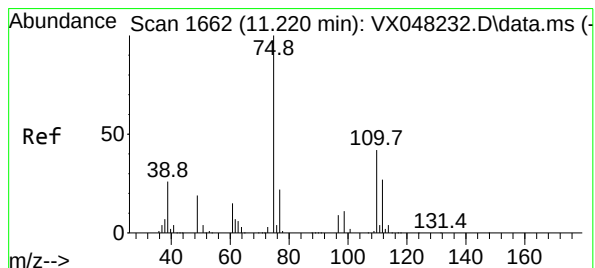
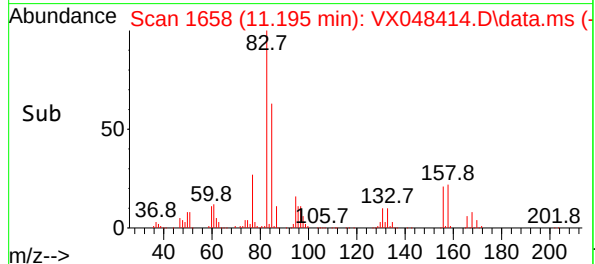
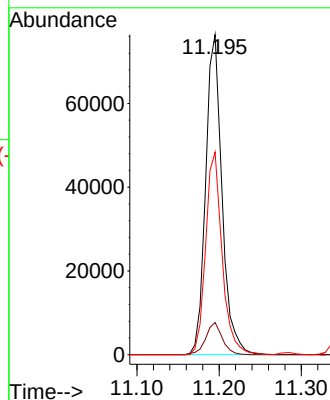
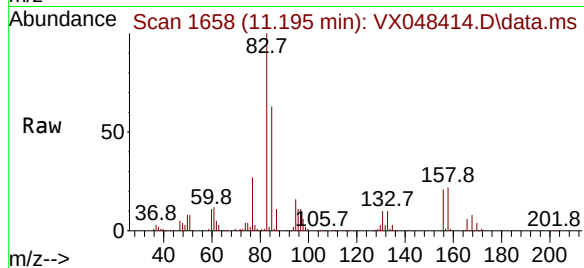
#75  
1,1,2,2-Tetrachloroethane  
Concen: 46.702 ug/l  
RT: 11.195 min Scan# 1658  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Instrument :  
MSVOA\_X  
Client Sample Id :  
ICVVX102925

Tgt Ion: 83 Resp: 105640  
Ion Ratio Lower Upper  
83 100  
131 10.2 4.8 14.4  
85 63.7 31.9 95.7

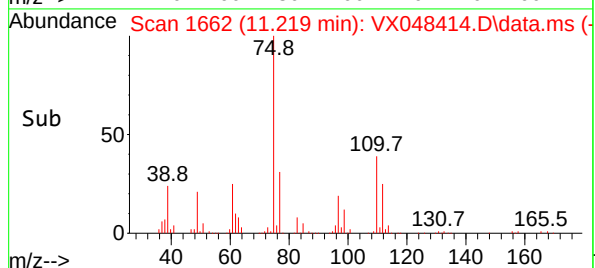
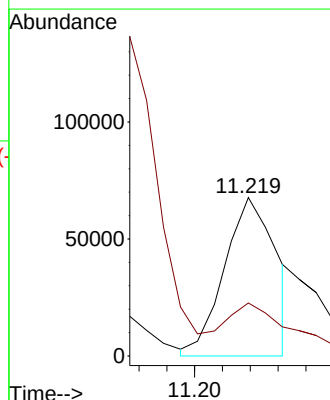
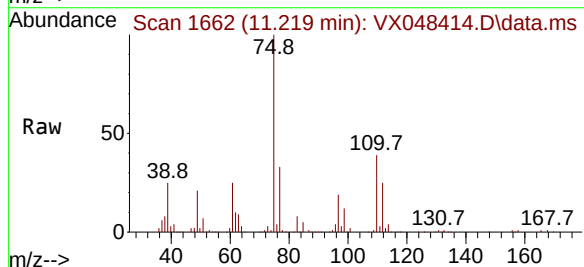
Manual Integrations  
APPROVED

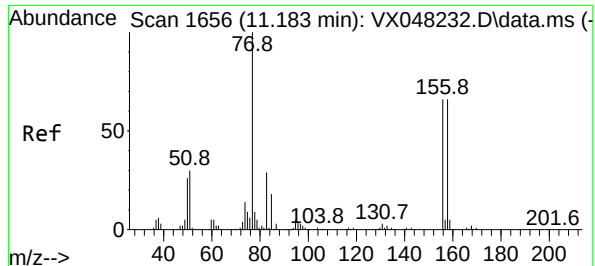
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#76  
1,2,3-Trichloropropane  
Concen: 50.455 ug/l m  
RT: 11.219 min Scan# 1662  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Tgt Ion: 75 Resp: 87607  
Ion Ratio Lower Upper  
75 100  
77 40.9 22.4 67.2





#77

Bromobenzene

Concen: 48.794 ug/l

RT: 11.177 min Scan# 1655

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion:156 Resp: 107639

Ion Ratio Lower Upper

156 100

77 168.9 87.0 261.0

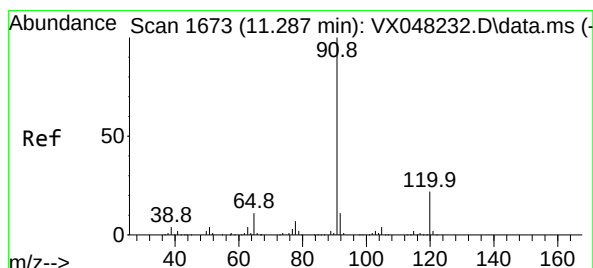
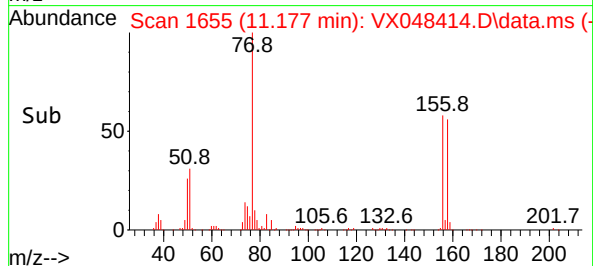
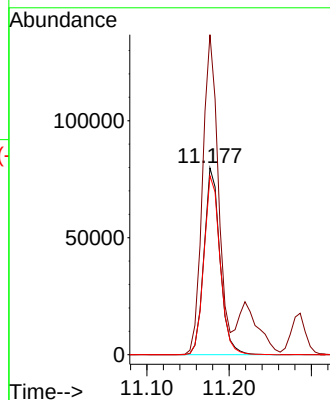
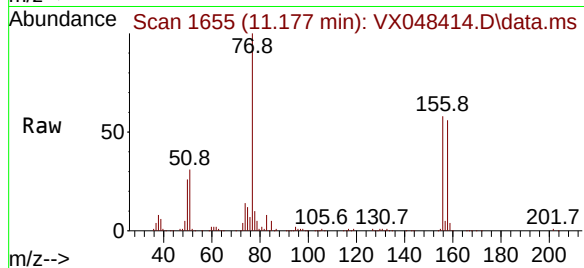
158 97.2 47.8 143.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#78

n-propylbenzene

Concen: 50.412 ug/l

RT: 11.286 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX048414.D

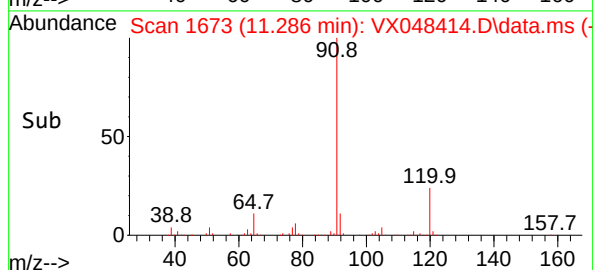
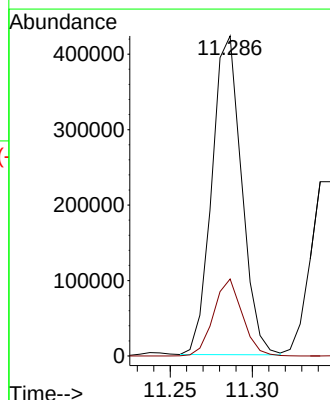
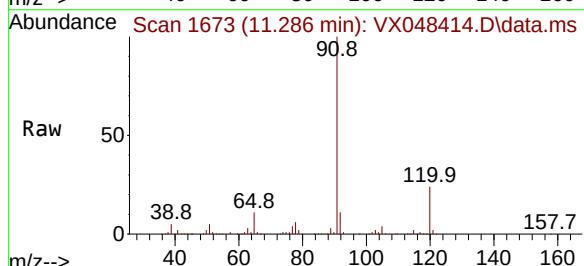
Acq: 29 Oct 2025 14:27

Tgt Ion: 91 Resp: 532087

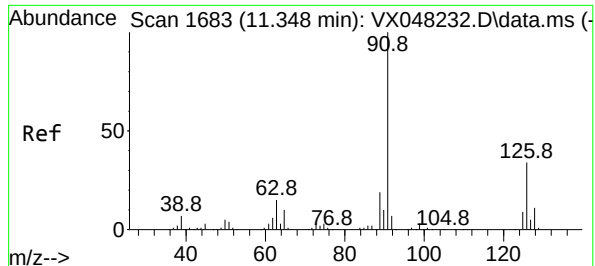
Ion Ratio Lower Upper

91 100

120 23.3 11.1 33.1







#79

2-Chlorotoluene

Concen: 49.307 ug/l

RT: 11.341 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 91 Resp: 31246

Ion Ratio Lower Upper

91 100

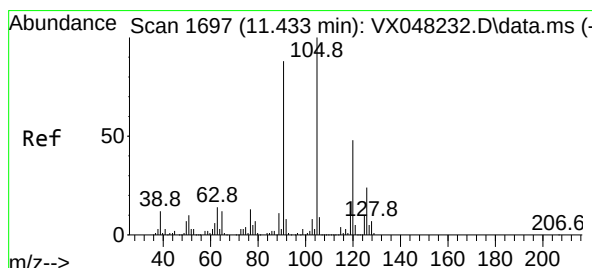
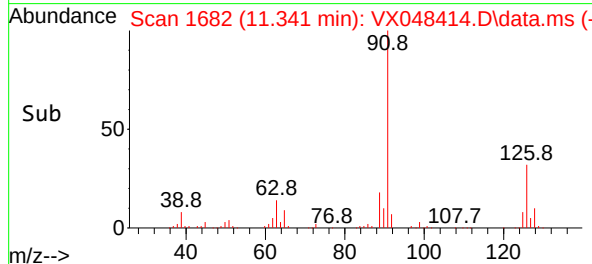
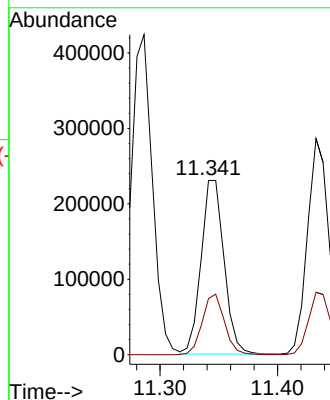
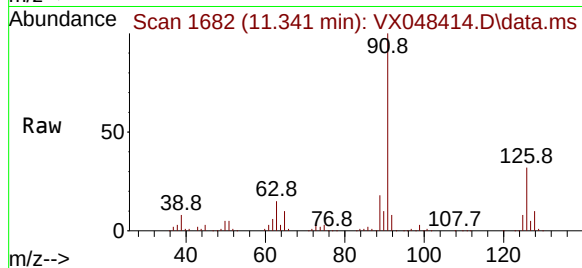
126 33.7 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.550 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX048414.D

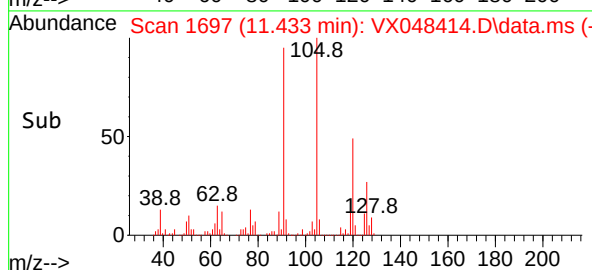
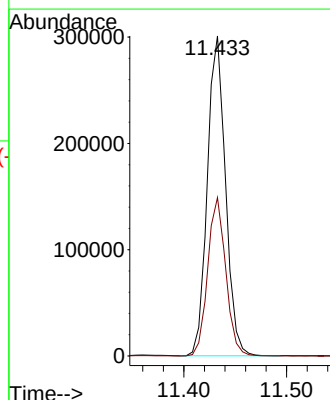
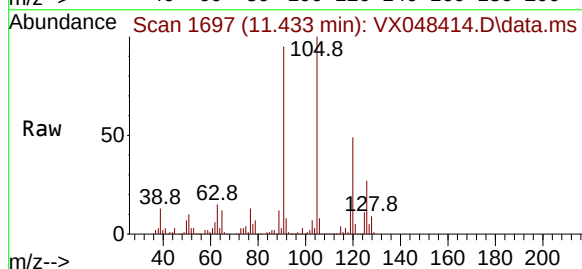
Acq: 29 Oct 2025 14:27

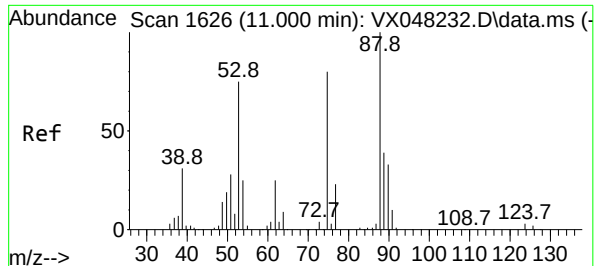
Tgt Ion:105 Resp: 370047

Ion Ratio Lower Upper

105 100

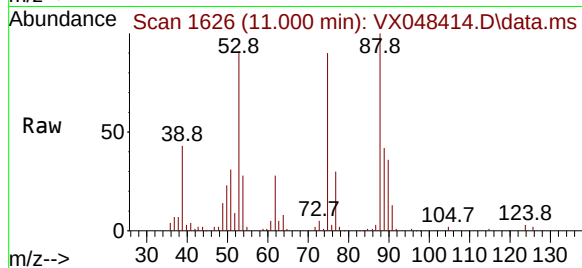
120 49.2 24.0 72.0





#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.854 ug/l  
RT: 11.000 min Scan# 1626  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

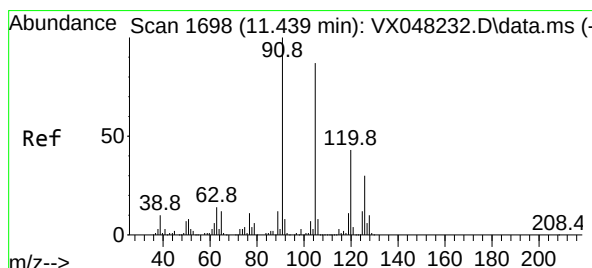
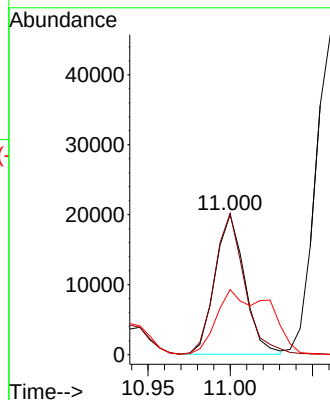
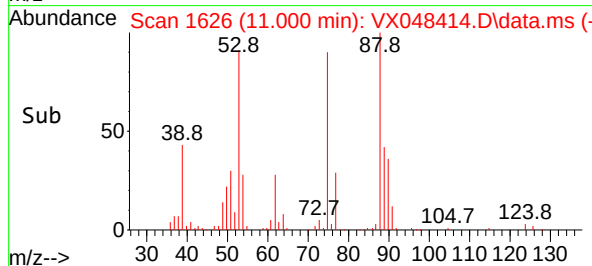
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX102925



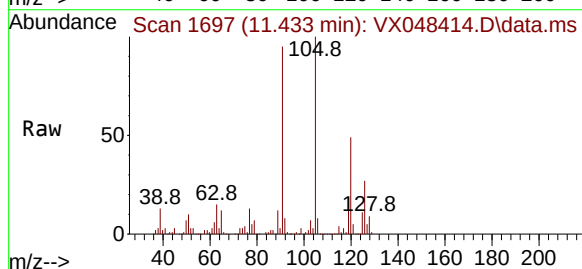
Tgt Ion: 75 Resp: 25014  
Ion Ratio Lower Upper  
75 100  
53 103.2 79.5 119.3  
89 82.7 36.8 55.2

Manual Integrations  
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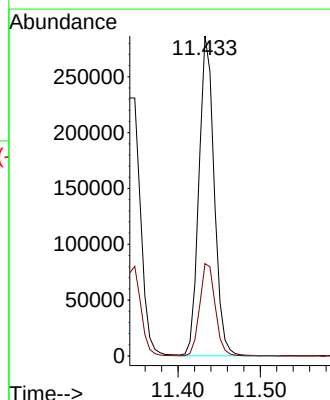
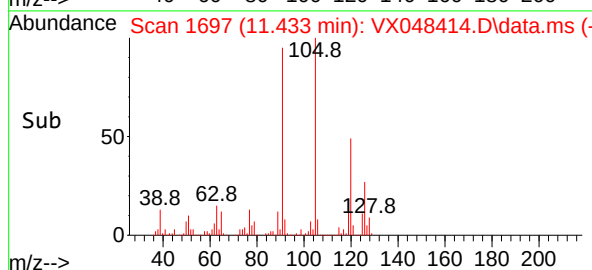
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

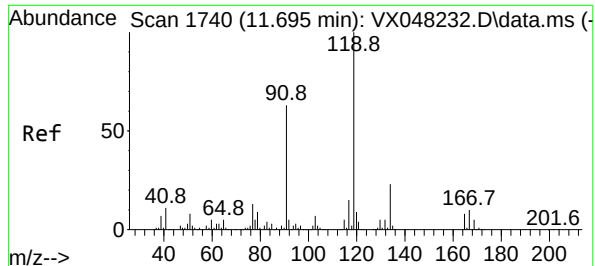


#82  
4-Chlorotoluene  
Concen: 49.510 ug/l  
RT: 11.433 min Scan# 1697  
Delta R.T. -0.006 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27



Tgt Ion: 91 Resp: 368839  
Ion Ratio Lower Upper  
91 100  
126 29.5 14.1 42.4





#83

tert-Butylbenzene

Concen: 49.509 ug/l

RT: 11.695 min Scan# 1740

Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion:119 Resp: 368960

Ion Ratio Lower Upper

119 100

91 60.3 30.3 91.0

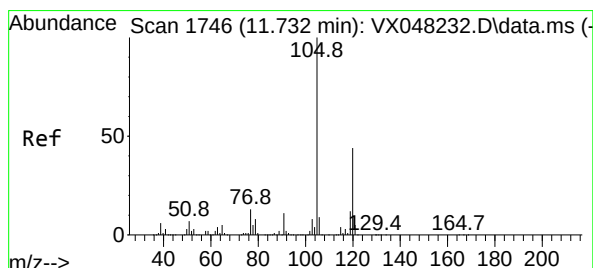
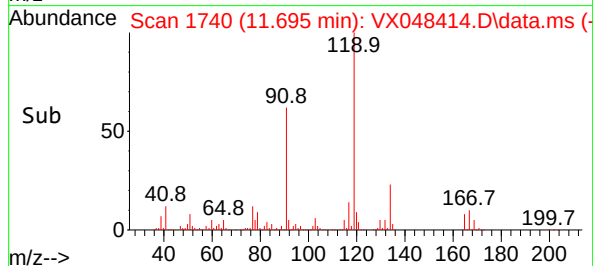
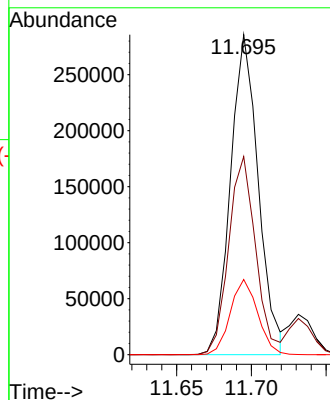
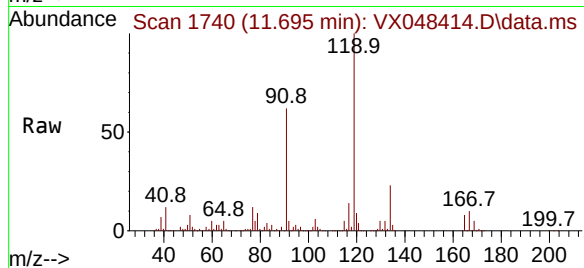
134 23.2 11.4 34.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#84

1,2,4-Trimethylbenzene

Concen: 51.971 ug/l

RT: 11.731 min Scan# 1746

Delta R.T. -0.000 min

Lab File: VX048414.D

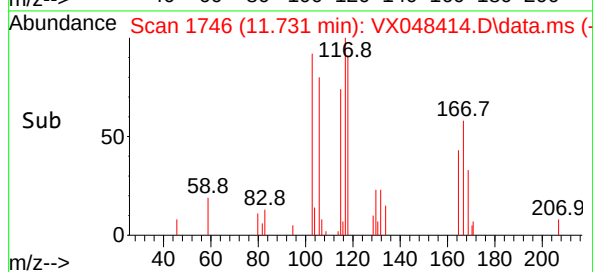
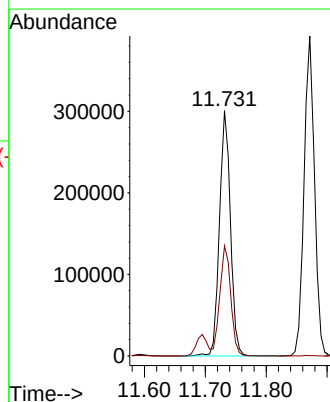
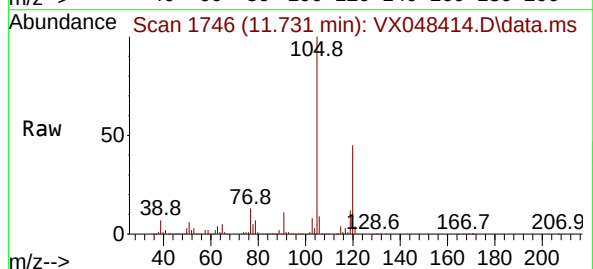
Acq: 29 Oct 2025 14:27

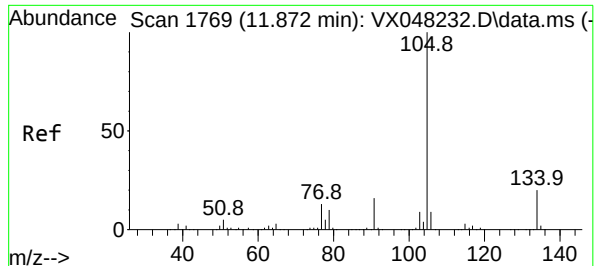
Tgt Ion:105 Resp: 376695

Ion Ratio Lower Upper

105 100

120 45.2 22.1 66.5





#85

sec-Butylbenzene

Concen: 50.138 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion:105 Resp: 46558

Ion Ratio Lower Upper

105 100

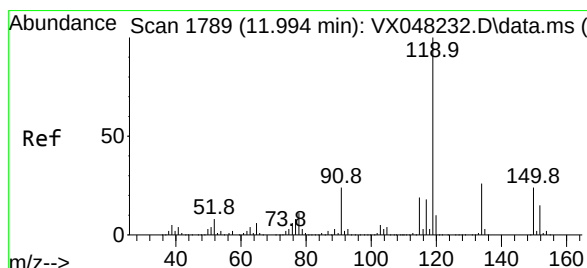
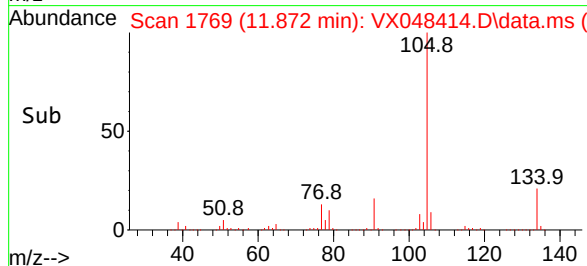
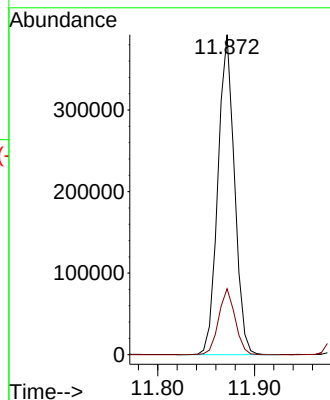
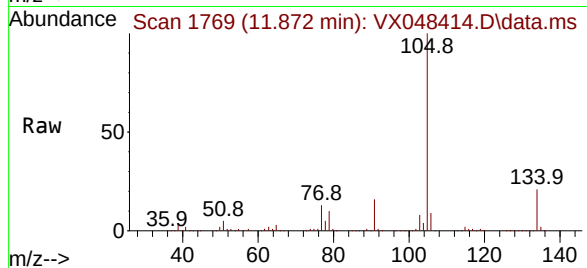
134 20.5 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#86

p-Isopropyltoluene

Concen: 50.956 ug/l

RT: 11.987 min Scan# 1788

Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

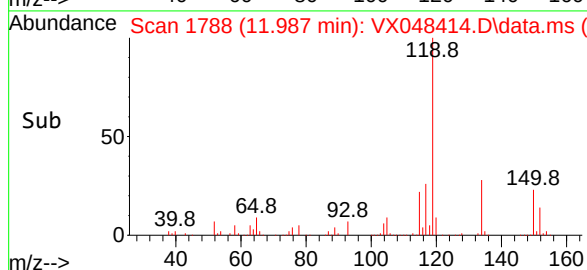
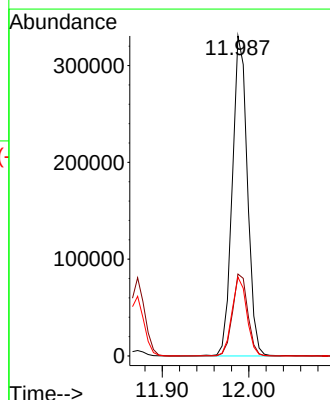
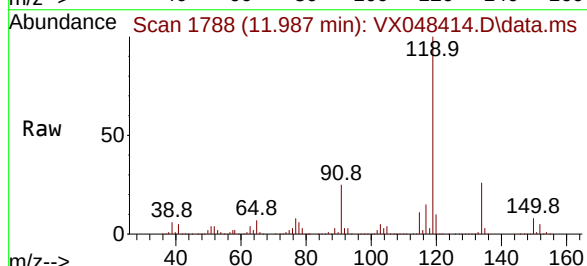
Tgt Ion:119 Resp: 400026

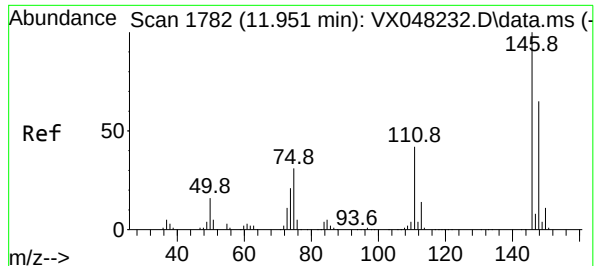
Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 24.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 47.721 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion:146 Resp: 20104

Ion Ratio Lower Upper

146 100

111 42.2 20.4 61.2

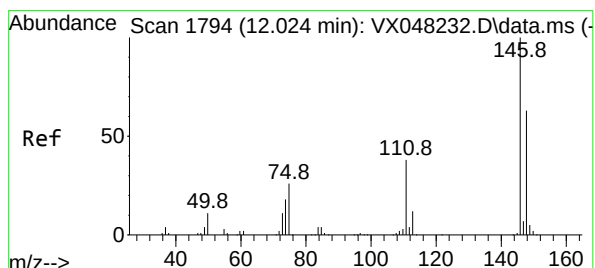
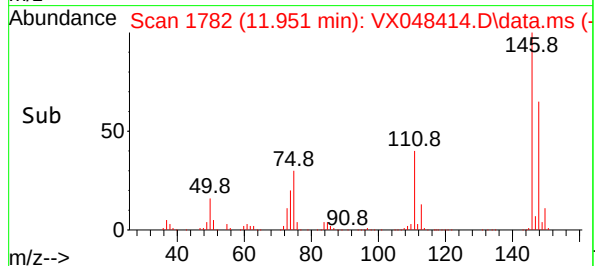
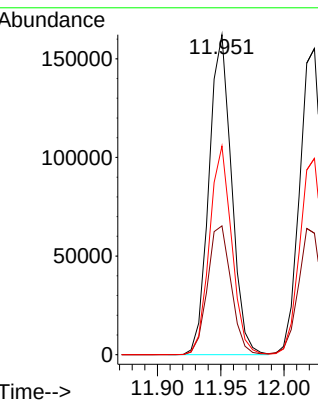
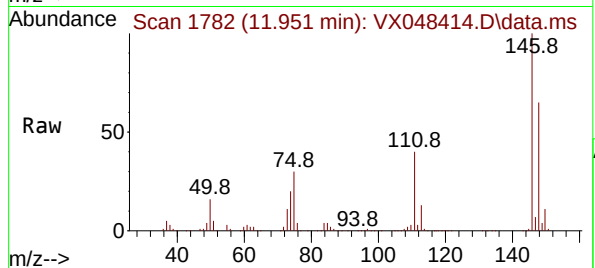
148 64.2 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#88

1,4-Dichlorobenzene

Concen: 46.635 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

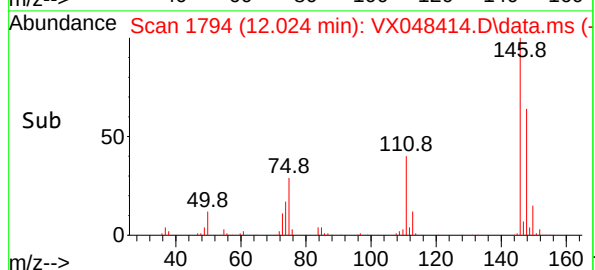
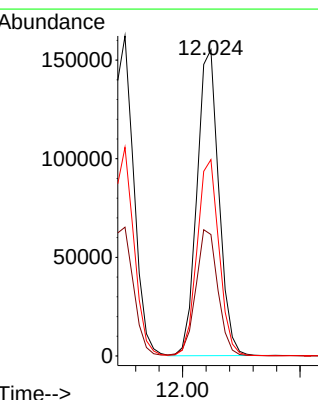
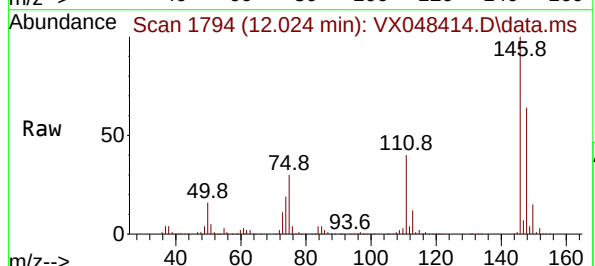
Tgt Ion:146 Resp: 200104

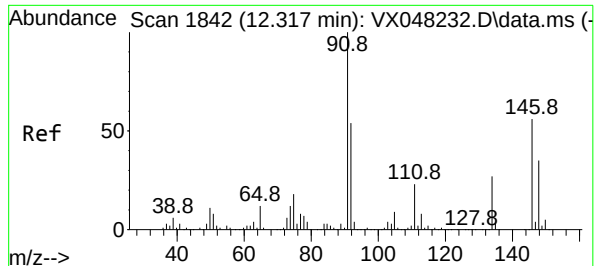
Ion Ratio Lower Upper

146 100

111 41.7 20.1 60.2

148 64.7 31.8 95.3





#89

n-Butylbenzene

Concen: 49.134 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

Tgt Ion: 91 Resp: 36215

Ion Ratio Lower Upper

91 100

92 55.1 26.9 80.6

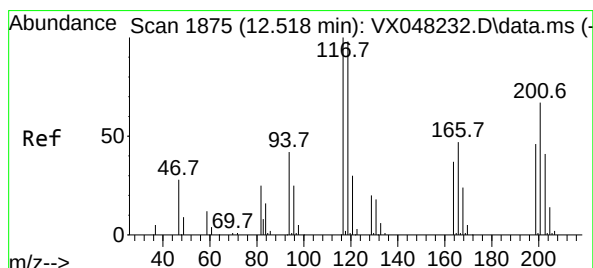
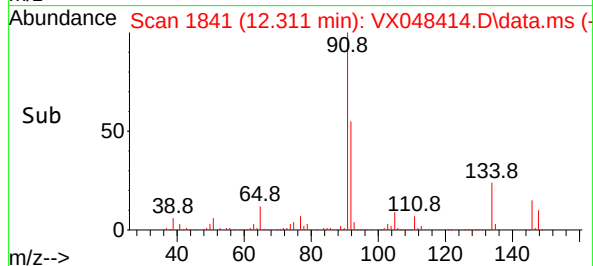
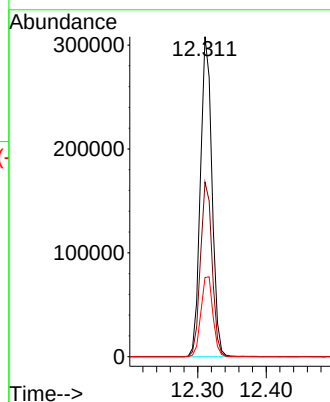
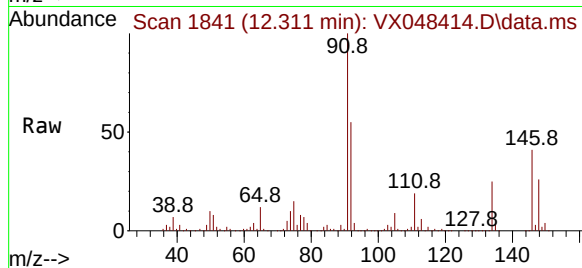
134 26.0 12.7 38.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#90

Hexachloroethane

Concen: 50.310 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX048414.D

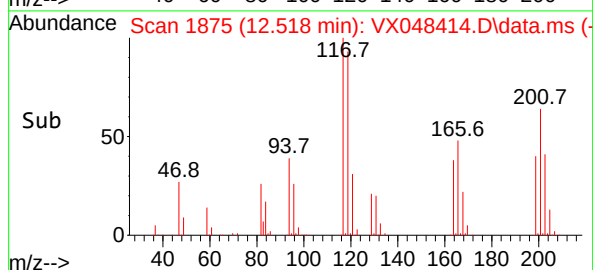
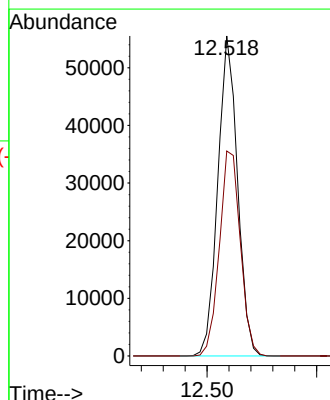
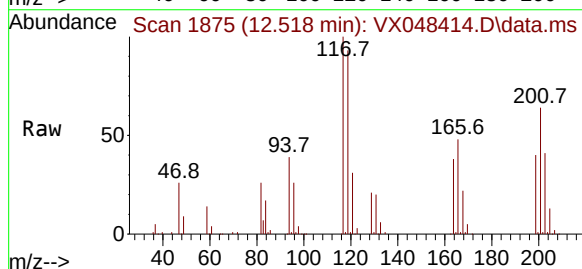
Acq: 29 Oct 2025 14:27

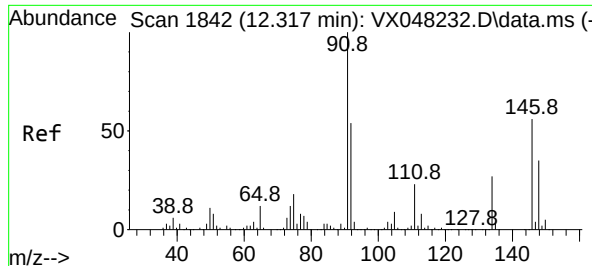
Tgt Ion:117 Resp: 69400

Ion Ratio Lower Upper

117 100

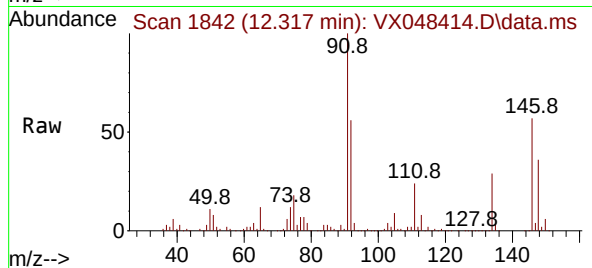
201 68.2 34.1 102.2





#91  
1,2-Dichlorobenzene  
Concen: 48.150 ug/l  
RT: 12.317 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

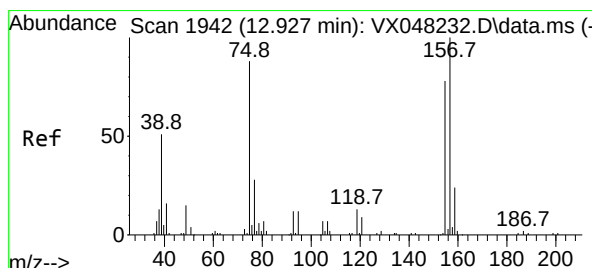
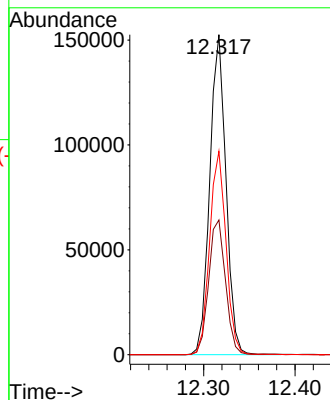
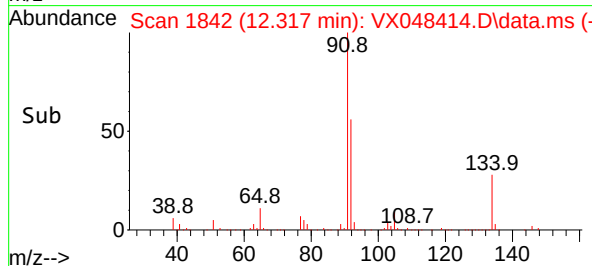
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX102925



Tgt Ion:146 Resp: 187978  
Ion Ratio Lower Upper  
146 100  
111 43.7 21.9 65.5  
148 64.3 31.9 95.5

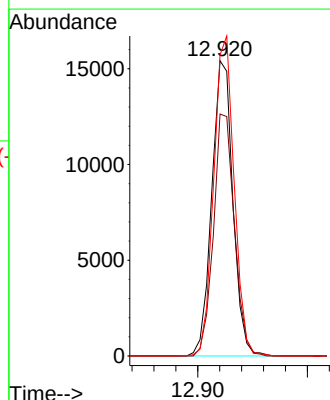
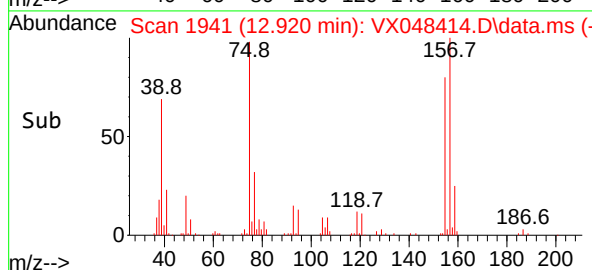
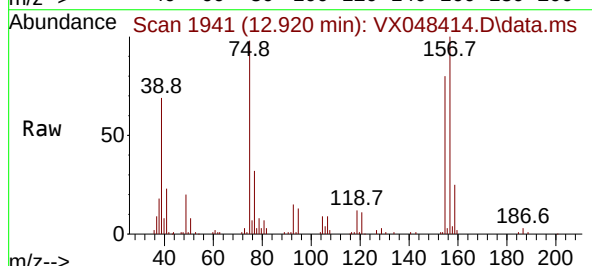
Manual Integrations  
APPROVED

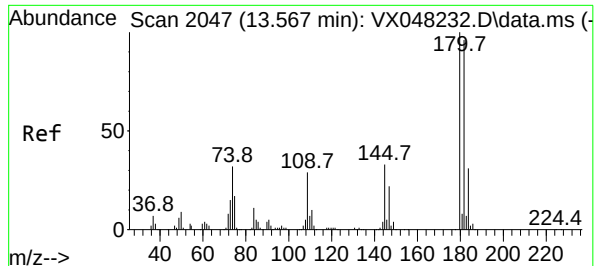
Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 46.487 ug/l  
RT: 12.920 min Scan# 1941  
Delta R.T. -0.000 min  
Lab File: VX048414.D  
Acq: 29 Oct 2025 14:27

Tgt Ion: 75 Resp: 20591  
Ion Ratio Lower Upper  
75 100  
155 81.1 42.8 128.4  
157 104.9 54.2 162.6





#93

1,2,4-Trichlorobenzene

Concen: 48.671 ug/l

RT: 13.566 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

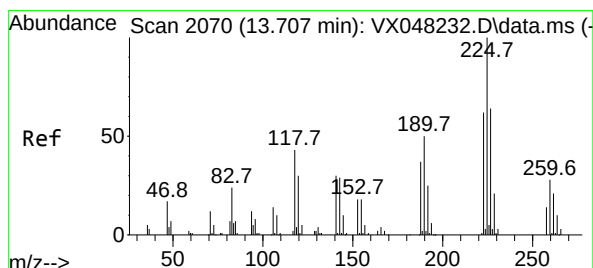
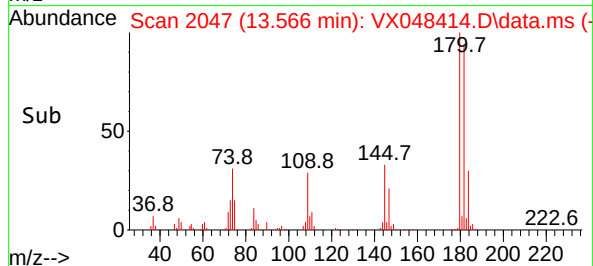
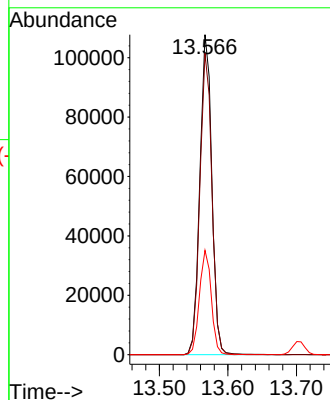
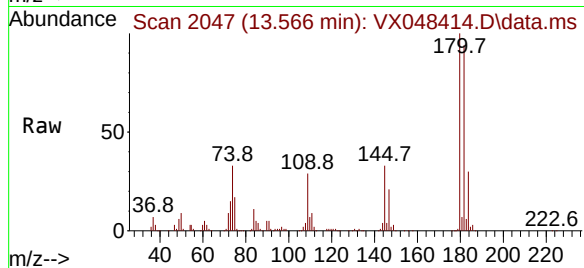
ICVX102925

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 13111      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.5  | 47.3 142.0 |
| 145         | 32.3  | 16.3 48.9  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#94

Hexachlorobutadiene

Concen: 48.529 ug/l

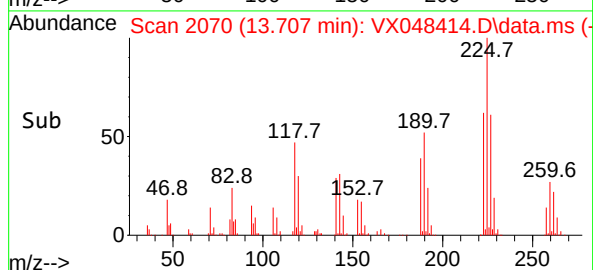
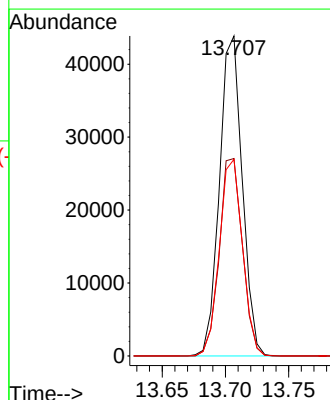
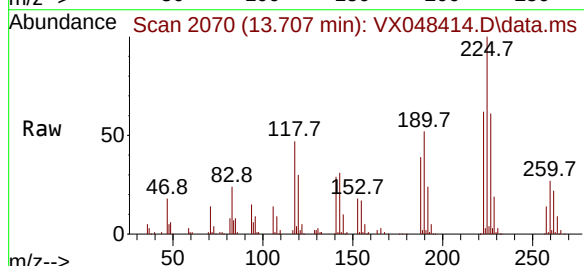
RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

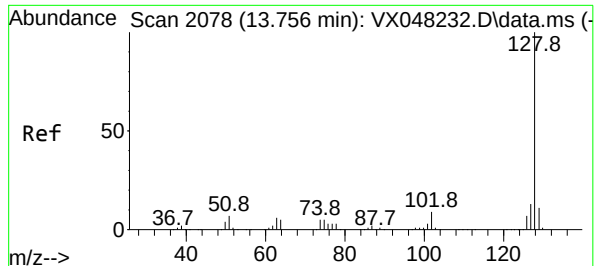
Lab File: VX048414.D

Acq: 29 Oct 2025 14:27

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 54839     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 62.6  | 32.6 97.7 |
| 227         | 62.3  | 32.5 97.4 |







#95

Naphthalene

Concen: 48.726 ug/l

RT: 13.755 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX048414.D

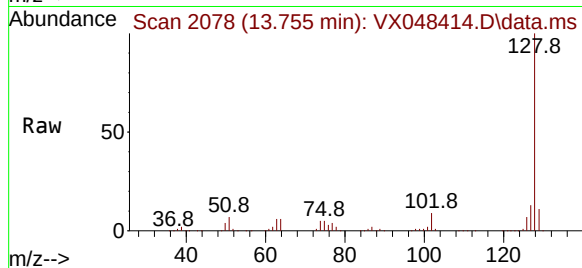
Acq: 29 Oct 2025 14:27

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102925

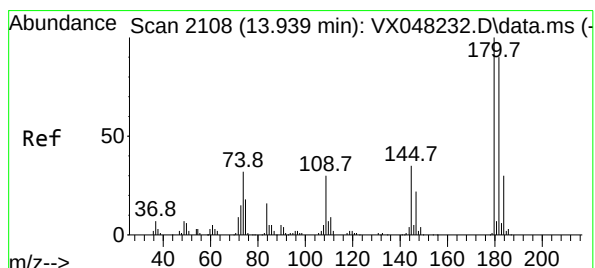
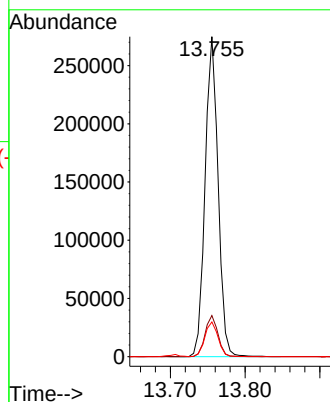
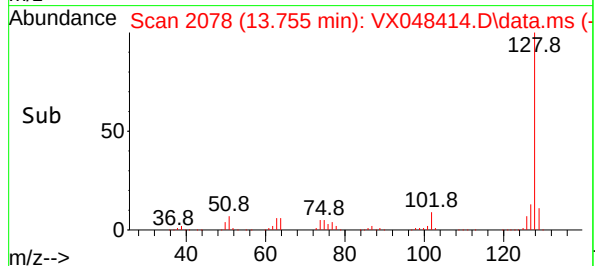


|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 33152 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 12.8  | 10.2  | 15.4  |
| 129       | 11.1  | 8.6   | 12.8  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025



#96

1,2,3-Trichlorobenzene

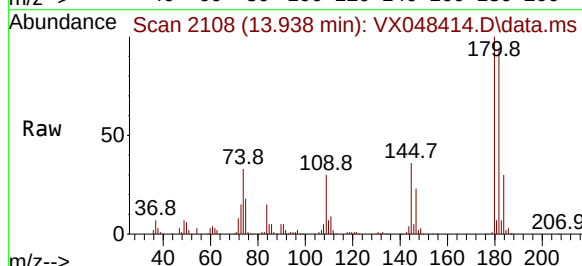
Concen: 48.468 ug/l

RT: 13.938 min Scan# 2108

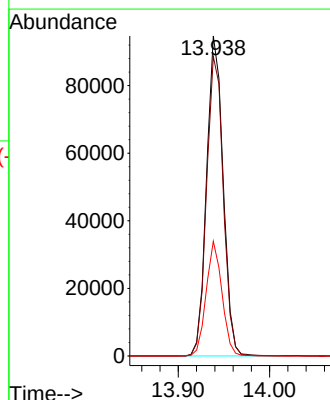
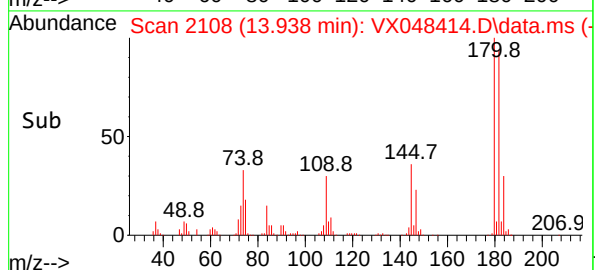
Delta R.T. -0.000 min

Lab File: VX048414.D

Acq: 29 Oct 2025 14:27



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 118602 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.6  | 46.6  | 139.7  |
| 145       | 34.4  | 16.9  | 50.7   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX102925\  
Data File : WX048414.D  
Acq On : 29 Oct 2025 14:27  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVWX102925

Quant Time: Oct 30 02:39:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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   | 106   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.510 | 0.520 | -2.0  | 102   | 0.00     |
| 3 P   | Chloromethane               | 0.288 | 0.296 | -2.8  | 115   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.665 | 0.672 | -1.1# | 107   | 0.00     |
| 5 T   | Bromomethane                | 0.240 | 0.253 | -5.4  | 111   | 0.00     |
| 6 T   | Chloroethane                | 0.395 | 0.388 | 1.8   | 105   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.019 | 1.022 | -0.3  | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 0.368 | 0.363 | 1.4   | 110   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.573 | 0.572 | 0.2   | 103   | 0.00     |
| 10 T  | Methyl Iodide               | 2.304 | 2.256 | 2.1   | 109   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.055 | 0.050 | 9.1   | 100   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 0.582 | 0.580 | 0.3#  | 106   | 0.00     |
| 13 T  | Acrolein                    | 0.115 | 0.104 | 9.6   | 99    | 0.00     |
| 14 T  | Allyl chloride              | 0.986 | 0.958 | 2.8   | 108   | 0.00     |
| 15 T  | Acrylonitrile               | 0.251 | 0.241 | 4.0   | 103   | 0.00     |
| 16 T  | Acetone                     | 0.163 | 0.152 | 6.7   | 101   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.669 | 1.686 | -1.0  | 107   | 0.00     |
| 18 T  | Methyl Acetate              | 0.545 | 0.485 | 11.0  | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.864 | 1.805 | 3.2   | 108   | 0.00     |
| 20 T  | Methylene Chloride          | 0.628 | 0.618 | 1.6   | 109   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.618 | 0.610 | 1.3   | 106   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.017 | 2.031 | -0.7  | 109   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.373 | 1.360 | 0.9   | 108   | -0.01    |
| 24 P  | 1,1-Dichloroethane          | 1.145 | 1.129 | 1.4   | 108   | 0.00     |
| 25 T  | 2-Butanone                  | 0.260 | 0.243 | 6.5   | 100   | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 0.986 | 0.954 | 3.2   | 106   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 0.738 | 0.730 | 1.1   | 109   | 0.00     |
| 28 T  | Bromochloromethane          | 0.519 | 0.519 | 0.0   | 107   | -0.02    |
| 29 T  | Tetrahydrofuran             | 0.185 | 0.166 | 10.3  | 97    | -0.02    |
| 30 C  | Chloroform                  | 1.178 | 1.133 | 3.8#  | 106   | -0.01    |
| 31 T  | Cyclohexane                 | 0.994 | 0.975 | 1.9   | 102   | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 1.040 | 1.023 | 1.6   | 105   | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 0.719 | 0.669 | 7.0   | 105   | -0.01    |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.285 | 0.266 | 6.7   | 105   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 0.479 | 0.474 | 1.0   | 106   | -0.01    |
| 37 T  | Ethyl Acetate               | 0.408 | 0.382 | 6.4   | 101   | -0.01    |
| 38 T  | Carbon Tetrachloride        | 0.553 | 0.530 | 4.2   | 103   | -0.01    |
| 39 T  | Methylcyclohexane           | 0.616 | 0.597 | 3.1   | 98    | 0.00     |
| 40 TM | Benzene                     | 1.462 | 1.429 | 2.3   | 106   | -0.01    |
| 41 T  | Methacrylonitrile           | 0.205 | 0.196 | 4.4   | 99    | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 0.515 | 0.495 | 3.9   | 108   | -0.01    |
| 43 T  | Isopropyl Acetate           | 0.673 | 0.630 | 6.4   | 102   | -0.01    |
| 44 TM | Trichloroethene             | 0.383 | 0.373 | 2.6   | 106   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.365 | 0.349 | 4.4#  | 105   | 0.00     |
| 46 T  | Dibromomethane              | 0.256 | 0.246 | 3.9   | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.543 | 0.531 | 2.2   | 108   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.328 | 0.318 | 3.0   | 104   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048414.D  
Acq On : 29 Oct 2025 14:27  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925

Quant Time: Oct 30 02:39:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.004 | 0.004 | 0.0   | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 1.258 | 1.171 | 6.9   | 104   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.375 | 0.342 | 8.8   | 99    | 0.00     |
| 52 CM | Toluene                     | 0.914 | 0.891 | 2.5#  | 104   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.492 | 0.491 | 0.2   | 108   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.531 | 0.522 | 1.7   | 109   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.331 | 0.314 | 5.1   | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.484 | 0.471 | 2.7   | 104   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.573 | 0.545 | 4.9   | 104   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.251 | 0.254 | -1.2  | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.244 | 0.228 | 6.6   | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.409 | 0.394 | 3.7   | 105   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.342 | 0.322 | 5.8   | 103   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.471 | 0.427 | 9.3   | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.403 | 0.384 | 4.7   | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 1.152 | 1.119 | 2.9   | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.392 | 0.393 | -0.3  | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.940 | 1.952 | -0.6# | 106   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.734 | 0.736 | -0.3  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 0.702 | 0.707 | -0.7  | 105   | 0.00     |
| 70 T  | Styrene                     | 1.189 | 1.202 | -1.1  | 106   | 0.00     |
| 71 P  | Bromoform                   | 0.283 | 0.267 | 5.7   | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 107   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.698 | 3.750 | -1.4  | 104   | 0.00     |
| 74 T  | N-amyl acetate              | 1.319 | 1.311 | 0.6   | 102   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.937 | 0.875 | 6.6   | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.719 | 0.726 | -1.0  | 104   | 0.00     |
| 77 T  | Bromobenzene                | 0.914 | 0.892 | 2.4   | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 4.371 | 4.407 | -0.8  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.624 | 2.588 | 1.4   | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.032 | 3.065 | -1.1  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.208 | 0.207 | 0.5   | 106   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.085 | 3.055 | 1.0   | 104   | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.086 | 3.056 | 1.0   | 101   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.002 | 3.120 | -3.9  | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.846 | 3.856 | -0.3  | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.251 | 3.313 | -1.9  | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.745 | 1.665 | 4.6   | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.777 | 1.657 | 6.8   | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.052 | 3.000 | 1.7   | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 0.571 | 0.575 | -0.7  | 103   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.617 | 1.557 | 3.7   | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.183 | 0.171 | 6.6   | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.116 | 1.086 | 2.7   | 104   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.468 | 0.454 | 3.0   | 101   | 0.00     |
| 95 T  | Naphthalene                 | 2.818 | 2.746 | 2.6   | 100   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048414.D  
Acq On : 29 Oct 2025 14:27  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925

Quant Time: Oct 30 02:39:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.013 | 0.982 | 3.1  | 101   | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX102925\  
Data File : VX048414.D  
Acq On : 29 Oct 2025 14:27  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925

Quant Time: Oct 30 02:39:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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   | 106   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.937  | -1.9  | 102   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.381  | -2.8  | 115   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.568  | -1.1# | 107   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.651  | -5.3  | 111   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.122  | 1.8   | 105   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.180  | -0.4  | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.323  | 1.4   | 110   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.927  | 0.1   | 103   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.964  | 2.1   | 109   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 227.013 | 9.2   | 100   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.864  | 0.3#  | 106   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 226.874 | 9.3   | 99    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.584  | 2.8   | 108   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 239.972 | 4.0   | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 233.060 | 6.8   | 101   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.529  | -1.1  | 107   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.525  | 11.0  | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.420  | 3.2   | 108   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.180  | 1.6   | 109   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.318  | 1.4   | 106   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.345  | -0.7  | 109   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 247.515 | 1.0   | 108   | -0.01    |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.311  | 1.4   | 108   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 233.069 | 6.8   | 100   | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.409  | 3.2   | 106   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.483  | 1.0   | 109   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.998  | 0.0   | 107   | -0.02    |
| 29 T  | Tetrahydrofuran             | 250.000 | 223.415 | 10.6  | 97    | -0.02    |
| 30 C  | Chloroform                  | 50.000  | 48.085  | 3.8#  | 106   | -0.01    |
| 31 T  | Cyclohexane                 | 50.000  | 49.045  | 1.9   | 102   | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.209  | 1.6   | 105   | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.518  | 7.0   | 105   | -0.01    |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 109   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.599  | 6.8   | 105   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.543  | 0.9   | 106   | -0.01    |
| 37 T  | Ethyl Acetate               | 50.000  | 46.775  | 6.5   | 101   | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.932  | 4.1   | 103   | -0.01    |
| 39 T  | Methylcyclohexane           | 50.000  | 48.502  | 3.0   | 98    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.853  | 2.3   | 106   | -0.01    |
| 41 T  | Methacrylonitrile           | 50.000  | 47.600  | 4.8   | 99    | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.040  | 3.9   | 108   | -0.01    |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.749  | 6.5   | 102   | -0.01    |
| 44 TM | Trichloroethene             | 50.000  | 48.636  | 2.7   | 106   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.756  | 4.5#  | 105   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.082  | 3.8   | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.913  | 2.2   | 108   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.394  | 3.2   | 104   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX102925\  
Data File : WX048414.D  
Acq On : 29 Oct 2025 14:27  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVWX102925

Quant Time: Oct 30 02:39:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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 | 977.625 | 2.2   | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.543  | 6.9   | 104   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 227.914 | 8.8   | 99    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.734  | 2.5#  | 104   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.836  | 0.3   | 108   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.233  | 1.5   | 109   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.464  | 5.1   | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.593  | 2.8   | 104   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.520  | 5.0   | 104   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 221.341 | 11.5  | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 233.382 | 6.6   | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.209  | 3.6   | 105   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.024  | 6.0   | 103   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 45.358  | 9.3   | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 109   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.723  | 4.6   | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.554  | 2.9   | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.149  | -0.3  | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.314  | -0.6# | 106   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.167 | -0.2  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.358  | -0.7  | 105   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.557  | -1.1  | 106   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.120  | 5.8   | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 107   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.703  | -1.4  | 104   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 49.685  | 0.6   | 102   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.702  | 6.6   | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.455  | -0.9  | 104   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.794  | 2.4   | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.412  | -0.8  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.307  | 1.4   | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.550  | -1.1  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.854  | 0.3   | 106   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.510  | 1.0   | 104   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.509  | 1.0   | 101   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.971  | -3.9  | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.138  | -0.3  | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.956  | -1.9  | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.721  | 4.6   | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.635  | 6.7   | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.134  | 1.7   | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.310  | -0.6  | 103   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.150  | 3.7   | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.487  | 7.0   | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.671  | 2.7   | 104   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.529  | 2.9   | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.726  | 2.5   | 100   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048414.D  
Acq On : 29 Oct 2025 14:27  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925

Quant Time: Oct 30 02:39:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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 | 48.468 | 3.1  | 101   | 0.00     |

(#) = Out of Range      SPCC's out = 0    CCC's out = 6

## VOLATILE ORGANICS INITIAL CALIBRATION DATA

|                     |                                     |                      |                                     |
|---------------------|-------------------------------------|----------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>                     | Contract:            | <u>AECO02</u>                       |
| Lab Code:           | <u>ACE</u>                          | SDG No.:             | <u>Q3422</u>                        |
| Instrument ID:      | <u>MSVOA_Y</u>                      | Calibration Date(s): | <u>10/07/2025</u> <u>10/07/2025</u> |
| Heated Purge: (Y/N) | <u>Y</u>                            | Calibration Time(s): | <u>09:17</u> <u>12:32</u>           |
| GC Column:          | <u>RXI-624</u> ID: <u>0.25</u> (mm) |                      |                                     |

|                                |                     |        |        |                     |        |                     |       |       |  |
|--------------------------------|---------------------|--------|--------|---------------------|--------|---------------------|-------|-------|--|
| LAB FILE ID:                   | RRF005 = VY023384.D |        |        | RRF010 = VY023385.D |        | RRF020 = VY023386.D |       |       |  |
|                                | RRF050 = VY023387.D |        |        | RRF100 = VY023388.D |        | RRF150 = VY023389.D |       |       |  |
| COMPOUND                       | RRF005              | RRF010 | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Dichlorodifluoromethane        | 0.397               | 0.399  | 0.400  | 0.321               | 0.310  | 0.333               | 0.360 | 12    |  |
| Chloromethane                  | 0.518               | 0.557  | 0.512  | 0.449               | 0.438  | 0.467               | 0.490 | 9.4   |  |
| Vinyl Chloride                 | 0.660               | 0.684  | 0.659  | 0.598               | 0.597  | 0.633               | 0.639 | 5.6   |  |
| Bromomethane                   | 0.601               | 0.596  | 0.548  | 0.469               | 0.483  | 0.518               | 0.536 | 10.4  |  |
| Chloroethane                   | 0.441               | 0.462  | 0.453  | 0.414               | 0.413  | 0.429               | 0.435 | 4.7   |  |
| Trichlorofluoromethane         | 0.884               | 0.920  | 0.946  | 0.842               | 0.850  | 0.877               | 0.887 | 4.5   |  |
| 1,1,2-Trichlorotrifluoroethane | 0.484               | 0.486  | 0.479  | 0.437               | 0.429  | 0.445               | 0.460 | 5.6   |  |
| 1,1-Dichloroethene             | 0.449               | 0.475  | 0.456  | 0.427               | 0.426  | 0.443               | 0.446 | 4.1   |  |
| Acetone                        | 0.128               | 0.117  | 0.094  | 0.084               | 0.085  | 0.089               | 0.100 | 18.7  |  |
| Carbon Disulfide               | 1.291               | 1.367  | 1.320  | 1.225               | 1.210  | 1.246               | 1.277 | 4.7   |  |
| Methyl tert-butyl Ether        | 1.006               | 1.075  | 1.075  | 1.020               | 1.091  | 1.165               | 1.072 | 5.3   |  |
| Methyl Acetate                 | 0.244               | 0.265  | 0.260  | 0.245               | 0.266  | 0.286               | 0.261 | 6     |  |
| Methylene Chloride             | 0.625               | 0.634  | 0.576  | 0.458               | 0.463  | 0.473               | 0.538 | 15.4  |  |
| trans-1,2-Dichloroethene       | 0.494               | 0.504  | 0.507  | 0.470               | 0.478  | 0.494               | 0.491 | 2.9   |  |
| 1,1-Dichloroethane             | 0.800               | 0.835  | 0.827  | 0.759               | 0.765  | 0.792               | 0.796 | 3.9   |  |
| Cyclohexane                    | 0.797               | 0.717  | 0.697  | 0.643               | 0.644  | 0.676               | 0.696 | 8.3   |  |
| 2-Butanone                     | 0.133               | 0.134  | 0.115  | 0.105               | 0.115  | 0.126               | 0.122 | 9.6   |  |
| Carbon Tetrachloride           | 0.483               | 0.501  | 0.504  | 0.481               | 0.487  | 0.503               | 0.493 | 2.1   |  |
| cis-1,2-Dichloroethene         | 0.542               | 0.584  | 0.582  | 0.542               | 0.563  | 0.591               | 0.567 | 3.8   |  |
| Bromochloromethane             | 0.332               | 0.323  | 0.320  | 0.267               | 0.270  | 0.273               | 0.297 | 10.2  |  |
| Chloroform                     | 0.886               | 0.912  | 0.901  | 0.835               | 0.842  | 0.874               | 0.875 | 3.5   |  |
| 1,1,1-Trichloroethane          | 0.808               | 0.814  | 0.822  | 0.767               | 0.764  | 0.796               | 0.795 | 3.1   |  |
| Methylcyclohexane              | 0.491               | 0.486  | 0.537  | 0.527               | 0.554  | 0.583               | 0.530 | 7     |  |
| Benzene                        | 1.253               | 1.302  | 1.322  | 1.259               | 1.281  | 1.312               | 1.288 | 2.2   |  |
| 1,2-Dichloroethane             | 0.328               | 0.346  | 0.343  | 0.315               | 0.324  | 0.338               | 0.332 | 3.6   |  |
| Trichloroethene                | 0.380               | 0.381  | 0.386  | 0.367               | 0.372  | 0.376               | 0.377 | 1.8   |  |
| 1,2-Dichloropropane            | 0.276               | 0.289  | 0.292  | 0.274               | 0.283  | 0.293               | 0.285 | 2.9   |  |
| Bromodichloromethane           | 0.440               | 0.463  | 0.459  | 0.439               | 0.449  | 0.468               | 0.453 | 2.7   |  |
| 4-Methyl-2-Pentanone           | 0.141               | 0.159  | 0.161  | 0.159               | 0.180  | 0.196               | 0.166 | 11.6  |  |
| Toluene                        | 0.777               | 0.818  | 0.855  | 0.827               | 0.855  | 0.885               | 0.836 | 4.5   |  |

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





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

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02  
 Lab Code: ACE SDG No.: Q3422  
 Instrument ID: MSVOA\_Y Calibration Date(s): 10/07/2025 10/07/2025  
 Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32  
 GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:                |        | RRF005 = VY023384.D |        | RRF010 = VY023385.D |        | RRF020 = VY023386.D |       |       |  |
|-----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                             |        | RRF050 = VY023387.D |        | RRF100 = VY023388.D |        | RRF150 = VY023389.D |       |       |  |
| COMPOUND                    | RRF005 | RRF010              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| t-1,3-Dichloropropene       | 0.357  | 0.380               | 0.390  | 0.385               | 0.415  | 0.438               | 0.394 | 7.2   |  |
| cis-1,3-Dichloropropene     | 0.424  | 0.460               | 0.465  | 0.455               | 0.481  | 0.505               | 0.465 | 5.9   |  |
| 1,1,2-Trichloroethane       | 0.234  | 0.247               | 0.241  | 0.231               | 0.244  | 0.254               | 0.242 | 3.5   |  |
| 2-Hexanone                  | 0.108  | 0.117               | 0.110  | 0.112               | 0.126  | 0.138               | 0.119 | 9.9   |  |
| Dibromochloromethane        | 0.319  | 0.337               | 0.340  | 0.327               | 0.347  | 0.365               | 0.339 | 4.7   |  |
| 1,2-Dibromoethane           | 0.215  | 0.229               | 0.231  | 0.223               | 0.237  | 0.249               | 0.231 | 5.2   |  |
| Tetrachloroethene           | 0.538  | 0.517               | 0.561  | 0.523               | 0.502  | 0.456               | 0.516 | 6.9   |  |
| Chlorobenzene               | 1.086  | 1.095               | 1.092  | 1.053               | 1.083  | 1.116               | 1.087 | 1.9   |  |
| Ethyl Benzene               | 1.606  | 1.711               | 1.753  | 1.777               | 1.824  | 1.891               | 1.760 | 5.5   |  |
| m/p-Xylenes                 | 0.632  | 0.675               | 0.715  | 0.719               | 0.734  | 0.763               | 0.706 | 6.5   |  |
| o-Xylene                    | 0.588  | 0.623               | 0.653  | 0.670               | 0.701  | 0.738               | 0.662 | 8.1   |  |
| Styrene                     | 0.902  | 1.026               | 1.098  | 1.109               | 1.166  | 1.233               | 1.089 | 10.5  |  |
| Bromoform                   | 0.225  | 0.242               | 0.238  | 0.230               | 0.244  | 0.262               | 0.240 | 5.4   |  |
| Isopropylbenzene            | 2.967  | 3.153               | 3.353  | 3.317               | 3.425  | 3.555               | 3.295 | 6.3   |  |
| 1,1,2,2-Tetrachloroethane   | 0.530  | 0.548               | 0.502  | 0.499               | 0.543  | 0.611               | 0.539 | 7.6   |  |
| 1,3-Dichlorobenzene         | 1.667  | 1.698               | 1.718  | 1.657               | 1.701  | 1.794               | 1.706 | 2.9   |  |
| 1,4-Dichlorobenzene         | 1.703  | 1.703               | 1.694  | 1.624               | 1.653  | 1.732               | 1.685 | 2.3   |  |
| 1,2-Dichlorobenzene         | 1.485  | 1.498               | 1.511  | 1.446               | 1.490  | 1.543               | 1.496 | 2.1   |  |
| 1,2-Dibromo-3-Chloropropane | 0.087  | 0.093               | 0.083  | 0.083               | 0.088  | 0.096               | 0.088 | 6.2   |  |
| 1,2,4-Trichlorobenzene      | 0.846  | 0.867               | 0.901  | 0.918               | 1.007  | 1.054               | 0.932 | 8.7   |  |
| 1,2,3-Trichlorobenzene      | 0.719  | 0.753               | 0.795  | 0.793               | 0.866  | 0.920               | 0.808 | 9.1   |  |
| 1,2-Dichloroethane-d4       | 0.455  | 0.436               | 0.429  | 0.392               | 0.392  | 0.405               | 0.418 | 6.2   |  |
| Dibromofluoromethane        | 0.311  | 0.314               | 0.317  | 0.298               | 0.299  | 0.303               | 0.307 | 2.6   |  |
| Toluene-d8                  | 1.132  | 1.170               | 1.177  | 1.129               | 1.122  | 1.135               | 1.144 | 2     |  |
| 4-Bromofluorobenzene        | 0.401  | 0.370               | 0.373  | 0.365               | 0.372  | 0.386               | 0.378 | 3.5   |  |

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\  
Method File : 82Y100725S.M  
Title : SW846 8260  
Last Update : Wed Oct 08 05:12:50 2025  
Response Via : Initial Calibration

## Calibration Files

5 =VY023384.D 10 =VY023385.D 20 =VY023386.D 50 =VY023387.D 100 =VY023388.D 150 =VY023389.D

|        | Compound            | 5              | 10    | 20    | 50    | 100   | 150   | Avg   | %RSD  |
|--------|---------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 1) I   | Pentafluorobenzene  | -----ISTD----- |       |       |       |       |       |       |       |
| 2) T   | Dichlorodifluo...   | 0.397          | 0.399 | 0.400 | 0.321 | 0.310 | 0.333 | 0.360 | 11.97 |
| 3) P   | Chloromethane       | 0.518          | 0.557 | 0.512 | 0.449 | 0.438 | 0.467 | 0.490 | 9.45  |
| 4) C   | Vinyl Chloride      | 0.660          | 0.684 | 0.659 | 0.598 | 0.597 | 0.633 | 0.639 | 5.59# |
| 5) T   | Bromomethane        | 0.601          | 0.596 | 0.548 | 0.469 | 0.483 | 0.518 | 0.536 | 10.42 |
| 6) T   | Chloroethane        | 0.441          | 0.462 | 0.453 | 0.414 | 0.413 | 0.429 | 0.435 | 4.67  |
| 7) T   | Trichlorofluor...   | 0.884          | 0.920 | 0.946 | 0.842 | 0.850 | 0.877 | 0.887 | 4.54  |
| 8) T   | Diethyl Ether       | 0.240          | 0.239 | 0.236 | 0.215 | 0.224 | 0.237 | 0.232 | 4.42  |
| 9) T   | 1,1,2-Trichlor...   | 0.484          | 0.486 | 0.479 | 0.437 | 0.429 | 0.445 | 0.460 | 5.57  |
| 10) T  | Methyl Iodide       | 0.404          | 0.503 | 0.518 | 0.538 | 0.547 | 0.562 | 0.512 | 11.09 |
| 11) T  | Tert butyl alc...   | 0.033          | 0.037 | 0.030 | 0.025 | 0.029 | 0.033 | 0.031 | 13.08 |
| 12) CM | 1,1-Dichloroet...   | 0.449          | 0.475 | 0.456 | 0.427 | 0.426 | 0.443 | 0.446 | 4.14# |
| 13) T  | Acrolein            | 0.045          | 0.043 | 0.042 | 0.042 | 0.044 | 0.048 | 0.044 | 5.27  |
| 14) T  | Allyl chloride      | 0.540          | 0.555 | 0.546 | 0.526 | 0.535 | 0.560 | 0.544 | 2.33  |
| 15) T  | Acrylonitrile       | 0.088          | 0.093 | 0.086 | 0.082 | 0.088 | 0.095 | 0.089 | 5.52  |
| 16) T  | Acetone             | 0.128          | 0.117 | 0.094 | 0.084 | 0.085 | 0.089 | 0.100 | 18.67 |
| 17) T  | Carbon Disulfide    | 1.291          | 1.367 | 1.320 | 1.225 | 1.210 | 1.246 | 1.277 | 4.74  |
| 18) T  | Methyl Acetate      | 0.244          | 0.265 | 0.260 | 0.245 | 0.266 | 0.286 | 0.261 | 6.00  |
| 19) T  | Methyl tert-bu...   | 1.006          | 1.075 | 1.075 | 1.020 | 1.091 | 1.165 | 1.072 | 5.30  |
| 20) T  | Methylene Chlo...   | 0.625          | 0.634 | 0.576 | 0.458 | 0.463 | 0.473 | 0.538 | 15.41 |
| 21) T  | trans-1,2-Dich...   | 0.494          | 0.504 | 0.507 | 0.470 | 0.478 | 0.494 | 0.491 | 2.95  |
| 22) T  | Diisopropyl ether   | 1.107          | 1.238 | 1.255 | 1.163 | 1.195 | 1.257 | 1.202 | 4.95  |
| 23) T  | Vinyl Acetate       | 0.594          | 0.646 | 0.651 | 0.625 | 0.667 | 0.722 | 0.651 | 6.65  |
| 24) P  | 1,1-Dichloroet...   | 0.800          | 0.835 | 0.827 | 0.759 | 0.765 | 0.792 | 0.796 | 3.90  |
| 25) T  | 2-Butanone          | 0.133          | 0.134 | 0.115 | 0.105 | 0.115 | 0.126 | 0.122 | 9.56  |
| 26) T  | 2,2-Dichloropr...   | 0.752          | 0.771 | 0.731 | 0.705 | 0.699 | 0.726 | 0.731 | 3.74  |
| 27) T  | cis-1,2-Dichlo...   | 0.542          | 0.584 | 0.582 | 0.542 | 0.563 | 0.591 | 0.567 | 3.81  |
| 28) T  | Bromochloromet...   | 0.332          | 0.323 | 0.320 | 0.267 | 0.270 | 0.273 | 0.297 | 10.22 |
| 29) T  | Tetrahydrofuran     | 0.066          | 0.070 | 0.067 | 0.064 | 0.070 | 0.078 | 0.069 | 7.25  |
| 30) C  | Chloroform          | 0.886          | 0.912 | 0.901 | 0.835 | 0.842 | 0.874 | 0.875 | 3.54# |
| 31) T  | Cyclohexane         | 0.797          | 0.717 | 0.697 | 0.643 | 0.644 | 0.676 | 0.696 | 8.27  |
| 32) T  | 1,1,1-Trichlor...   | 0.808          | 0.814 | 0.822 | 0.767 | 0.764 | 0.796 | 0.795 | 3.08  |
| 33) S  | 1,2-Dichloroet...   | 0.455          | 0.436 | 0.429 | 0.392 | 0.392 | 0.405 | 0.418 | 6.21  |
| 34) I  | 1,4-Difluorobenzene | -----ISTD----- |       |       |       |       |       |       |       |
| 35) S  | Dibromofluorom...   | 0.311          | 0.314 | 0.317 | 0.298 | 0.299 | 0.303 | 0.307 | 2.62  |
| 36) T  | 1,1-Dichloropr...   | 0.395          | 0.413 | 0.413 | 0.397 | 0.405 | 0.417 | 0.407 | 2.20  |
| 37) T  | Ethyl Acetate       | 0.148          | 0.162 | 0.163 | 0.150 | 0.164 | 0.179 | 0.161 | 6.94  |
| 38) T  | Carbon Tetrach...   | 0.483          | 0.501 | 0.504 | 0.481 | 0.487 | 0.503 | 0.493 | 2.14  |
| 39) T  | Methylcyclohexane   | 0.491          | 0.486 | 0.537 | 0.527 | 0.554 | 0.583 | 0.530 | 7.03  |
| 40) TM | Benzene             | 1.253          | 1.302 | 1.322 | 1.259 | 1.281 | 1.312 | 1.288 | 2.22  |
| 41) T  | Methacrylonitrile   | 0.082          | 0.085 | 0.091 | 0.080 | 0.089 | 0.096 | 0.087 | 7.09  |
| 42) TM | 1,2-Dichloroet...   | 0.328          | 0.346 | 0.343 | 0.315 | 0.324 | 0.338 | 0.332 | 3.59  |
| 43) T  | Isopropyl Acetate   | 0.297          | 0.313 | 0.313 | 0.302 | 0.335 | 0.369 | 0.321 | 8.32  |
| 44) TM | Trichloroethene     | 0.380          | 0.381 | 0.386 | 0.367 | 0.372 | 0.376 | 0.377 | 1.81  |
| 45) C  | 1,2-Dichloropr...   | 0.276          | 0.289 | 0.292 | 0.274 | 0.283 | 0.293 | 0.285 | 2.89# |
| 46) T  | Dibromomethane      | 0.172          | 0.182 | 0.183 | 0.173 | 0.181 | 0.188 | 0.180 | 3.43  |
| 47) T  | Bromodichlorom...   | 0.440          | 0.463 | 0.459 | 0.439 | 0.449 | 0.468 | 0.453 | 2.70  |
| 48) T  | Methyl methacr...   | 0.125          | 0.139 | 0.149 | 0.148 | 0.165 | 0.181 | 0.151 | 12.98 |
| 49) T  | 1,4-Dioxane         | 0.002          | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 10.06 |
| 50) S  | Toluene-d8          | 1.132          | 1.170 | 1.177 | 1.129 | 1.122 | 1.135 | 1.144 | 2.03  |
| 51) T  | 4-Methyl-2-Pen...   | 0.141          | 0.159 | 0.161 | 0.159 | 0.180 | 0.196 | 0.166 | 11.55 |
| 52) CM | Toluene             | 0.777          | 0.818 | 0.855 | 0.827 | 0.855 | 0.885 | 0.836 | 4.49# |
| 53) T  | t-1,3-Dichloro...   | 0.357          | 0.380 | 0.390 | 0.385 | 0.415 | 0.438 | 0.394 | 7.24  |
| 54) T  | cis-1,3-Dichlo...   | 0.424          | 0.460 | 0.465 | 0.455 | 0.481 | 0.505 | 0.465 | 5.86  |
| 55) T  | 1,1,2-Trichlor...   | 0.234          | 0.247 | 0.241 | 0.231 | 0.244 | 0.254 | 0.242 | 3.52  |
| 56) T  | Ethyl methacry...   | 0.219          | 0.248 | 0.262 | 0.279 | 0.321 | 0.345 | 0.279 | 16.80 |

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\  
Method File : 82Y100725S.M

|     |    |                       |                |       |       |       |       |       |       |       |
|-----|----|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 57) | T  | 1,3-Dichloropr...     | 0.361          | 0.381 | 0.383 | 0.374 | 0.392 | 0.409 | 0.383 | 4.26  |
| 58) | T  | 2-Chloroethyl ...     | 0.093          | 0.112 | 0.112 | 0.129 | 0.145 | 0.159 | 0.125 | 19.35 |
| 59) | T  | 2-Hexanone            | 0.108          | 0.117 | 0.110 | 0.112 | 0.126 | 0.138 | 0.119 | 9.86  |
| 60) | T  | Dibromochlorom...     | 0.319          | 0.337 | 0.340 | 0.327 | 0.347 | 0.365 | 0.339 | 4.69  |
| 61) | T  | 1,2-Dibromoethane     | 0.215          | 0.229 | 0.231 | 0.223 | 0.237 | 0.249 | 0.231 | 5.16  |
| 62) | S  | 4-Bromofluorob...     | 0.401          | 0.370 | 0.373 | 0.365 | 0.372 | 0.386 | 0.378 | 3.51  |
| 63) | I  | Chlorobenzene-d5      | -----ISTD----- |       |       |       |       |       |       |       |
| 64) | T  | Tetrachloroethene     | 0.538          | 0.517 | 0.561 | 0.523 | 0.502 | 0.456 | 0.516 | 6.92  |
| 65) | PM | Chlorobenzene         | 1.086          | 1.095 | 1.092 | 1.053 | 1.083 | 1.116 | 1.087 | 1.89  |
| 66) | T  | 1,1,1,2-Tetrac...     | 0.388          | 0.389 | 0.390 | 0.373 | 0.384 | 0.402 | 0.388 | 2.44  |
| 67) | C  | Ethyl Benzene         | 1.606          | 1.711 | 1.753 | 1.777 | 1.824 | 1.891 | 1.760 | 5.54# |
| 68) | T  | m/p-Xylenes           | 0.632          | 0.675 | 0.715 | 0.719 | 0.734 | 0.763 | 0.706 | 6.54  |
| 69) | T  | o-Xylene              | 0.588          | 0.623 | 0.653 | 0.670 | 0.701 | 0.738 | 0.662 | 8.15  |
| 70) | T  | Styrene               | 0.902          | 1.026 | 1.098 | 1.109 | 1.166 | 1.233 | 1.089 | 10.55 |
| 71) | P  | Bromoform             | 0.225          | 0.242 | 0.238 | 0.230 | 0.244 | 0.262 | 0.240 | 5.41  |
| 72) | I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |
| 73) | T  | Isopropylbenzene      | 2.967          | 3.153 | 3.353 | 3.317 | 3.425 | 3.555 | 3.295 | 6.30  |
| 74) | T  | N-amyl acetate        | 0.477          | 0.535 | 0.556 | 0.581 | 0.665 | 0.738 | 0.592 | 15.95 |
| 75) | P  | 1,1,2,2-Tetrac...     | 0.530          | 0.548 | 0.502 | 0.499 | 0.543 | 0.611 | 0.539 | 7.60  |
| 76) | T  | 1,2,3-Trichlor...     | 0.406          | 0.399 | 0.484 | 0.433 | 0.455 | 0.469 | 0.441 | 7.76  |
| 77) | T  | Bromobenzene          | 0.849          | 0.880 | 0.885 | 0.845 | 0.877 | 0.921 | 0.876 | 3.14  |
| 78) | T  | n-propylbenzene       | 3.373          | 3.676 | 3.906 | 3.883 | 3.955 | 4.086 | 3.813 | 6.64  |
| 79) | T  | 2-Chlorotoluene       | 2.095          | 2.208 | 2.282 | 2.227 | 2.249 | 2.338 | 2.233 | 3.66  |
| 80) | T  | 1,3,5-Trimethy...     | 2.309          | 2.557 | 2.736 | 2.706 | 2.772 | 2.896 | 2.663 | 7.70  |
| 81) | T  | trans-1,4-Dich...     | 0.171          | 0.175 | 0.176 | 0.169 | 0.185 | 0.203 | 0.180 | 7.04  |
| 82) | T  | 4-Chlorotoluene       | 2.173          | 2.266 | 2.362 | 2.276 | 2.316 | 2.404 | 2.300 | 3.52  |
| 83) | T  | tert-Butylbenzene     | 2.199          | 2.363 | 2.465 | 2.522 | 2.533 | 2.668 | 2.458 | 6.55  |
| 84) | T  | 1,2,4-Trimethy...     | 2.301          | 2.552 | 2.701 | 2.706 | 2.782 | 2.903 | 2.657 | 7.86  |
| 85) | T  | sec-Butylbenzene      | 3.175          | 3.388 | 3.571 | 3.583 | 3.664 | 3.778 | 3.527 | 6.08  |
| 86) | T  | p-Isopropyltol...     | 2.575          | 2.804 | 3.032 | 3.087 | 3.183 | 3.334 | 3.003 | 9.09  |
| 87) | T  | 1,3-Dichlorobe...     | 1.667          | 1.698 | 1.718 | 1.657 | 1.701 | 1.794 | 1.706 | 2.85  |
| 88) | T  | 1,4-Dichlorobe...     | 1.703          | 1.703 | 1.694 | 1.624 | 1.653 | 1.732 | 1.685 | 2.33  |
| 89) | T  | n-Butylbenzene        | 2.279          | 2.428 | 2.626 | 2.682 | 2.778 | 2.904 | 2.616 | 8.76  |
| 90) | T  | Hexachloroethane      | 0.667          | 0.631 | 0.647 | 0.625 | 0.643 | 0.662 | 0.646 | 2.54  |
| 91) | T  | 1,2-Dichlorobe...     | 1.485          | 1.498 | 1.511 | 1.446 | 1.490 | 1.543 | 1.496 | 2.13  |
| 92) | T  | 1,2-Dibromo-3-...     | 0.087          | 0.093 | 0.083 | 0.083 | 0.088 | 0.096 | 0.088 | 6.18  |
| 93) | T  | 1,2,4-Trichlor...     | 0.846          | 0.867 | 0.901 | 0.918 | 1.007 | 1.054 | 0.932 | 8.75  |
| 94) | T  | Hexachlorobuta...     | 0.590          | 0.571 | 0.572 | 0.577 | 0.587 | 0.590 | 0.581 | 1.52  |
| 95) | T  | Naphthalene           | 1.206          | 1.281 | 1.346 | 1.466 | 1.722 | 1.887 | 1.485 | 17.98 |
| 96) | T  | 1,2,3-Trichlor...     | 0.719          | 0.753 | 0.795 | 0.793 | 0.866 | 0.920 | 0.808 | 9.14  |

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023384.D  
 Acq On : 07 Oct 2025 09:17  
 Operator : SY/MD  
 Sample : VSTDICC005  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC005

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.707          | 168  | 585717     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.615          | 114  | 882488     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 753398     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 378104     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 26670      | 5.258    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 10.520%# |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 27455      | 5.126    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 10.260%# |        |          |
| 50) Toluene-d8               | 10.103         | 98   | 99905      | 4.946    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 9.900%#  |        |          |
| 62) 4-Bromofluorobenzene     | 12.401         | 95   | 35355      | 5.548    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 11.100%# |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 23245      | 5.038    | ug/l   | 92       |
| 3) Chloromethane             | 2.074          | 50   | 30346      | 4.627    | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.202          | 62   | 38657      | 4.668    | ug/l   | 95       |
| 5) Bromomethane              | 2.598          | 94   | 35214      | 5.184    | ug/l   | 94       |
| 6) Chloroethane              | 2.732          | 64   | 25848      | 4.597    | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.055          | 101  | 51797      | 4.869    | ug/l   | 98       |
| 8) Diethyl Ether             | 3.452          | 74   | 14079      | 5.060    | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818          | 101  | 28368      | 4.989    | ug/l   | 99       |
| 10) Methyl Iodide            | 4.007          | 142  | 23692      | 3.606    | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.854          | 59   | 9774       | 32.746   | ug/l # | 80       |
| 12) 1,1-Dichloroethene       | 3.787          | 96   | 26290      | 4.806    | ug/l   | 94       |
| 13) Acrolein                 | 3.653          | 56   | 13176      | 26.054   | ug/l   | 100      |
| 14) Allyl chloride           | 4.385          | 41   | 31614      | 4.616    | ug/l   | 98       |
| 15) Acrylonitrile            | 5.055          | 53   | 25891      | 23.754   | ug/l   | 99       |
| 16) Acetone                  | 3.866          | 43   | 37573      | 32.940   | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.104          | 76   | 75645      | 4.432    | ug/l   | 99       |
| 18) Methyl Acetate           | 4.391          | 43   | 14279      | 4.926    | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 58919      | 4.600    | ug/l   | 95       |
| 20) Methylene Chloride       | 4.616          | 84   | 36598      | 5.917    | ug/l   | 100      |
| 21) trans-1,2-Dichloroethene | 5.110          | 96   | 28923      | 4.754    | ug/l   | 99       |
| 22) Diisopropyl ether        | 6.018          | 45   | 64833      | 4.269    | ug/l   | 94       |
| 23) Vinyl Acetate            | 5.964          | 43   | 173851     | 20.824   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.909          | 63   | 46850      | 4.679    | ug/l   | 100      |
| 25) 2-Butanone               | 6.890          | 43   | 38990      | 27.656   | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 6.884          | 77   | 44062      | 4.953    | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 6.884          | 96   | 31743      | 4.600    | ug/l   | 98       |
| 28) Bromochloromethane       | 7.244          | 49   | 19445      | 5.006    | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 19296      | 23.059   | ug/l   | 98       |
| 30) Chloroform               | 7.421          | 83   | 51887      | 4.806    | ug/l   | 97       |
| 31) Cyclohexane              | 7.707          | 56   | 46675      | 5.279    | ug/l # | 79       |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 47305      | 4.881    | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 34888      | 4.617    | ug/l   | 98       |
| 37) Ethyl Acetate            | 6.982          | 43   | 13082      | 4.379    | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 42654      | 4.859    | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.109          | 83   | 43329      | 4.479    | ug/l   | 98       |
| 40) Benzene                  | 8.079          | 78   | 110551     | 4.693    | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023384.D  
 Acq On : 07 Oct 2025 09:17  
 Operator : SY/MD  
 Sample : VSTDICC005  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## ClientSampleId :

VSTDICC005

## Manual Integrations

## APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:47 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 08 04:39:16 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.225  | 41   | 7226m    | 4.658  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 28940    | 4.828  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.201  | 43   | 26166    | 4.503  | ug/l   | 99       |
| 44) Trichloroethene           | 8.859  | 130  | 33564    | 5.077  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 24358    | 4.595  | ug/l   | 92       |
| 46) Dibromomethane            | 9.231  | 93   | 15179    | 4.682  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.420  | 83   | 38813    | 4.756  | ug/l   | 93       |
| 48) Methyl methacrylate       | 9.219  | 41   | 11038    | 4.071  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.219  | 88   | 3255     | 96.953 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 62279    | 20.925 | ug/l   | 98       |
| 52) Toluene                   | 10.170 | 92   | 68550    | 4.585  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 31477    | 4.491  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 37392    | 4.463  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.572 | 97   | 20641    | 4.786  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 19324    | 3.891  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 31831    | 4.560  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 41054m   | 18.894 | ug/l   |          |
| 59) 2-Hexanone                | 10.761 | 43   | 47778    | 23.185 | ug/l   | 97       |
| 60) Dibromochloromethane      | 10.908 | 129  | 28135    | 4.783  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.017 | 107  | 18957    | 4.673  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.646 | 164  | 40570    | 5.383  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.444 | 112  | 81802    | 4.997  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 29222    | 5.075  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.517 | 91   | 121005   | 4.529  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.633 | 106  | 95176    | 8.887  | ug/l   | 100      |
| 69) o-Xylene                  | 11.956 | 106  | 44280    | 4.466  | ug/l   | 98       |
| 70) Styrene                   | 11.969 | 104  | 67960    | 4.152  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 16988    | 4.929  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 112194   | 4.455  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.066 | 43   | 18041    | 3.833  | ug/l # | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 20052    | 4.773  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 15359m   | 4.118  | ug/l   |          |
| 77) Bromobenzene              | 12.529 | 156  | 32106    | 4.967  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.596 | 91   | 127521   | 4.305  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 79199    | 4.631  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 87297    | 4.264  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 6474     | 4.680  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 82155    | 4.600  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 83151    | 4.457  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 86988    | 4.294  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 120061   | 4.443  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.291 | 119  | 97377    | 4.264  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 63027    | 4.936  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 64389    | 5.085  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.615 | 91   | 86179    | 4.274  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 25204    | 5.084  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 56167    | 5.041  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 3305     | 4.964  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 32000    | 4.875  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 22316    | 5.456  | ug/l   | 99       |
| 95) Naphthalene               | 15.145 | 128  | 45598    | 4.360  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 27176    | 4.772  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023384.D  
Acq On : 07 Oct 2025 09:17  
Operator : SY/MD  
Sample : VSTDICC005  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 2025  
Response via : Initial Calibration

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

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

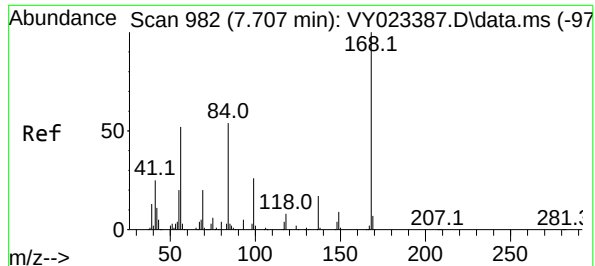
**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VSTDICC005

## Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025







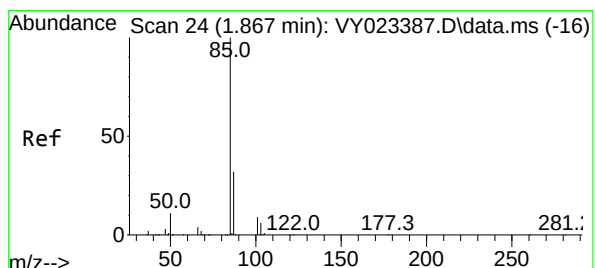
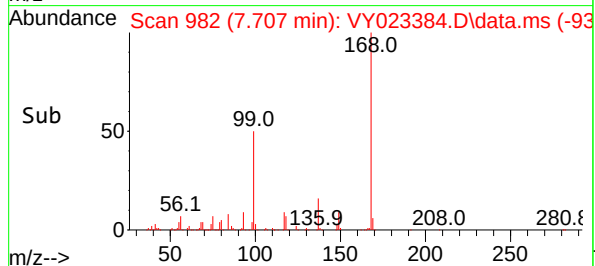
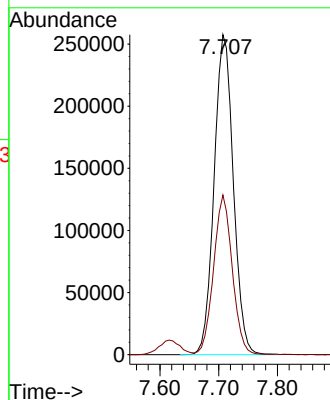
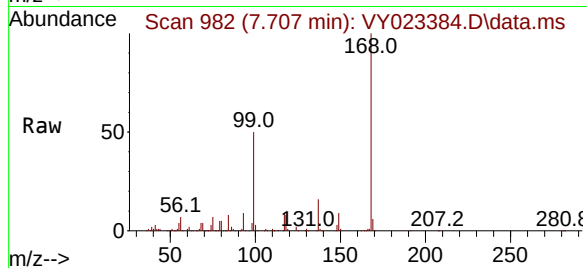
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

Tgt Ion:168 Resp: 58571  
Ion Ratio Lower Upper  
168 100  
99 49.8 39.7 59.5

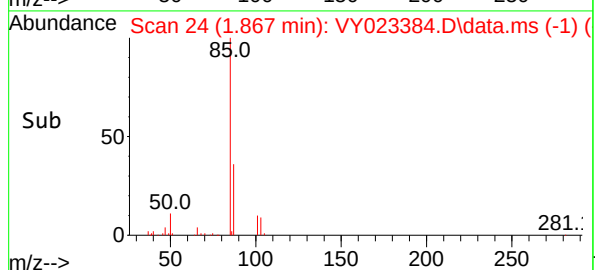
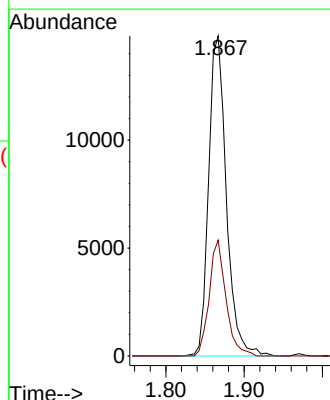
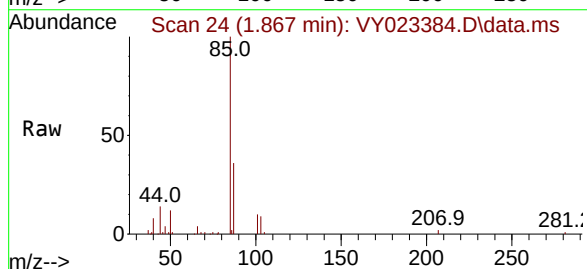
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

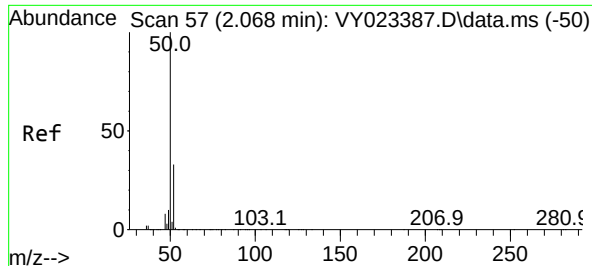


#2  
Dichlorodifluoromethane  
Concen: 5.038 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Tgt Ion: 85 Resp: 23245  
Ion Ratio Lower Upper  
85 100  
87 36.2 16.0 47.9







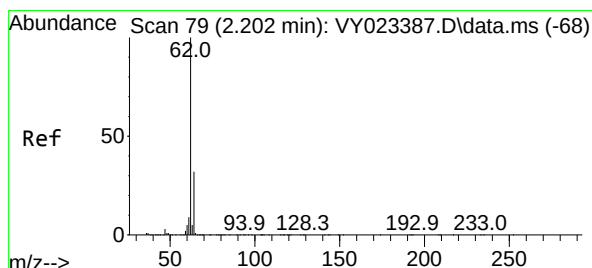
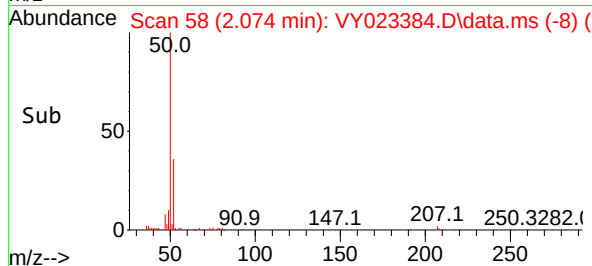
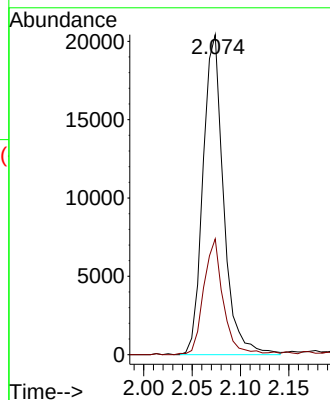
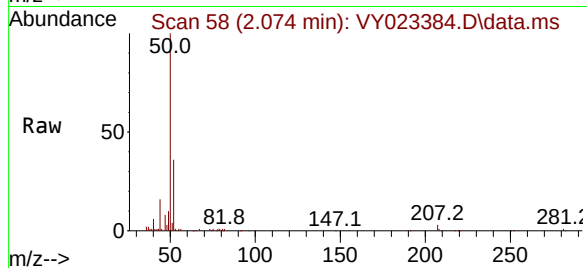
#3  
Chloromethane  
Concen: 4.627 ug/l  
RT: 2.074 min Scan# 57  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

Tgt Ion: 50 Resp: 30340  
Ion Ratio Lower Upper  
50 100  
52 35.8 26.2 39.2

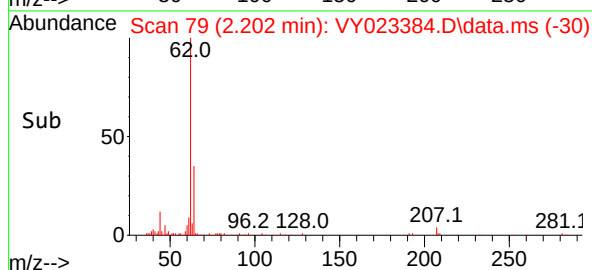
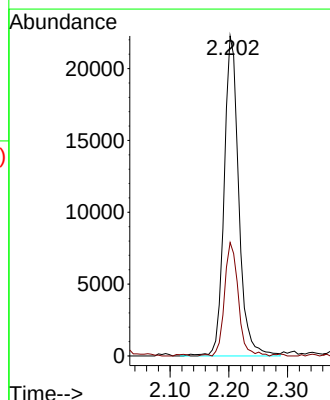
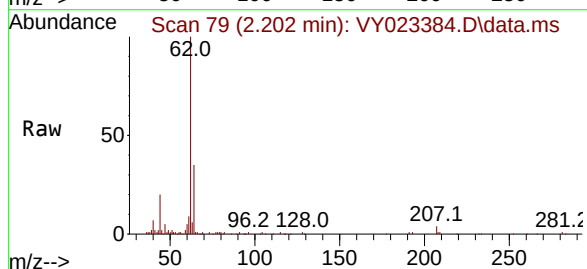
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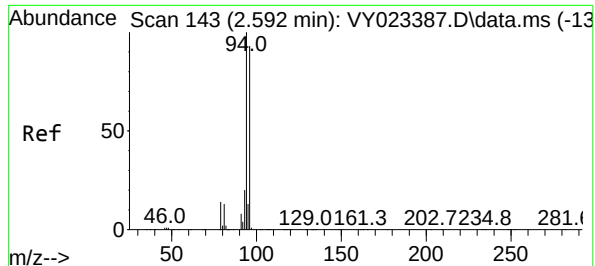
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#4  
Vinyl Chloride  
Concen: 4.668 ug/l  
RT: 2.202 min Scan# 79  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Tgt Ion: 62 Resp: 38657  
Ion Ratio Lower Upper  
62 100  
64 35.0 25.8 38.8





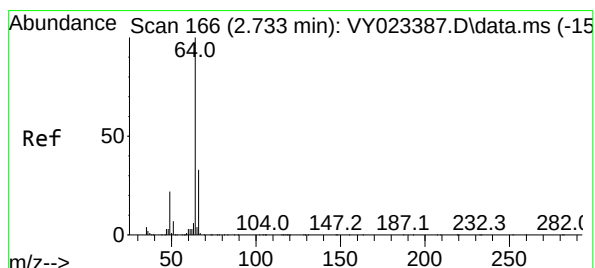
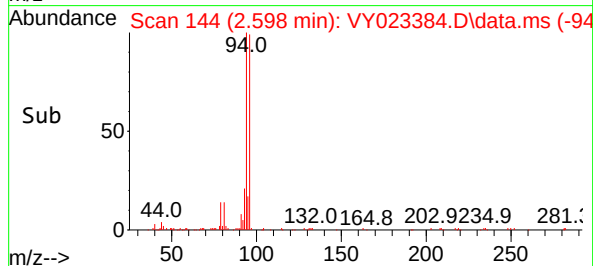
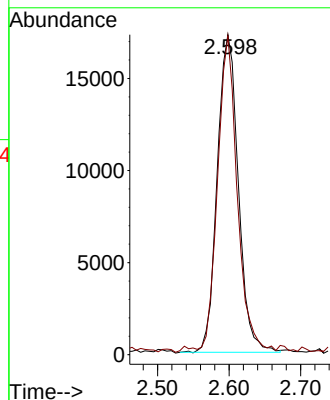
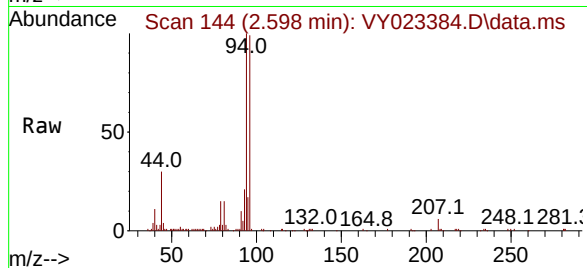
#5  
Bromomethane  
Concen: 5.184 ug/l  
RT: 2.598 min Scan# 143  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

Tgt Ion: 94 Resp: 35214  
Ion Ratio Lower Upper  
94 100  
96 99.0 74.5 111.7

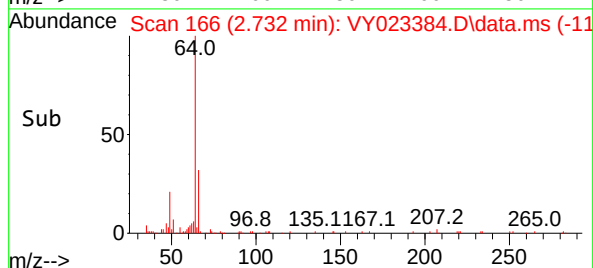
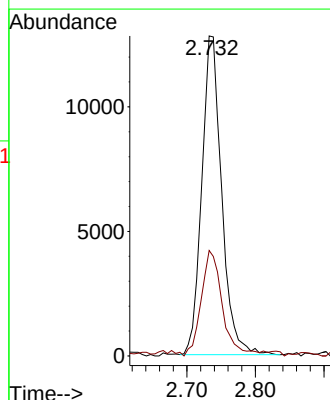
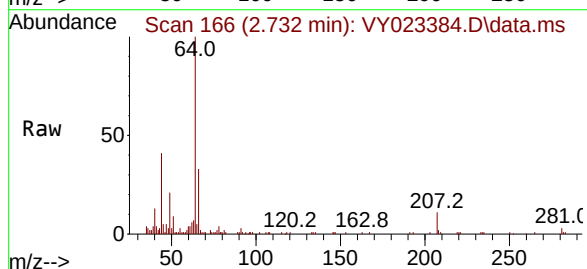
Manual Integrations  
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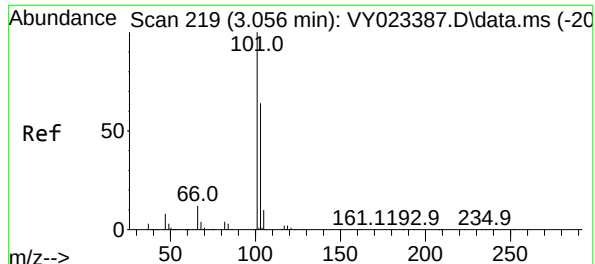
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#6  
Chloroethane  
Concen: 4.597 ug/l  
RT: 2.732 min Scan# 166  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

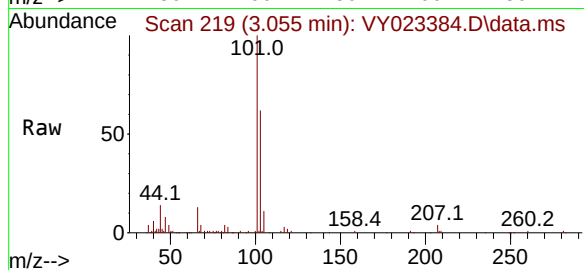
Tgt Ion: 64 Resp: 25848  
Ion Ratio Lower Upper  
64 100  
66 31.9 26.2 39.4





#7  
Trichlorofluoromethane  
Concen: 4.869 ug/l  
RT: 3.055 min Scan# 219  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

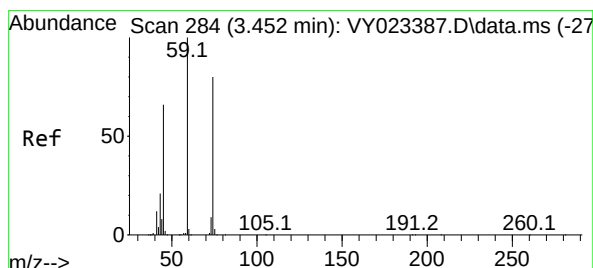
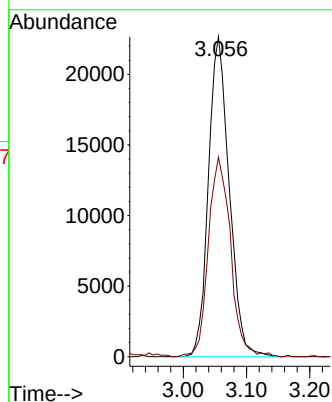
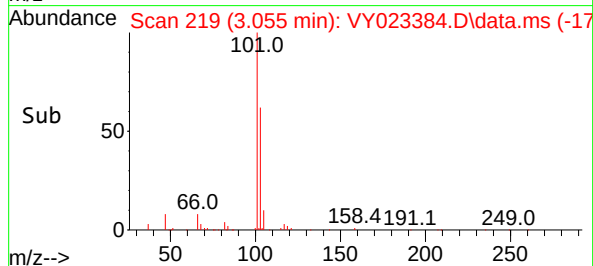
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005



Tgt Ion:101 Resp: 5179  
Ion Ratio Lower Upper  
101 100  
103 62.4 51.3 76.9

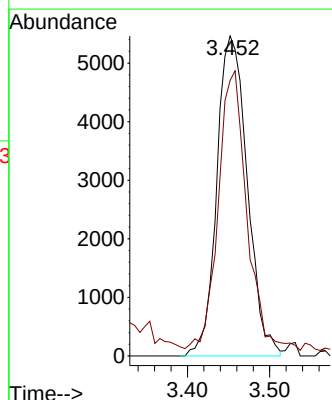
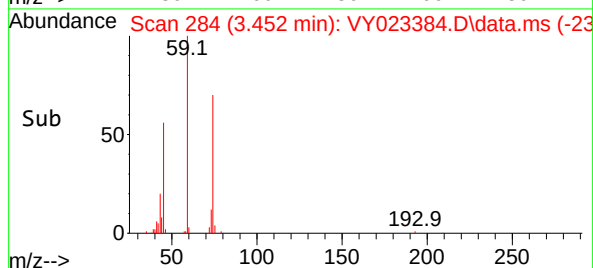
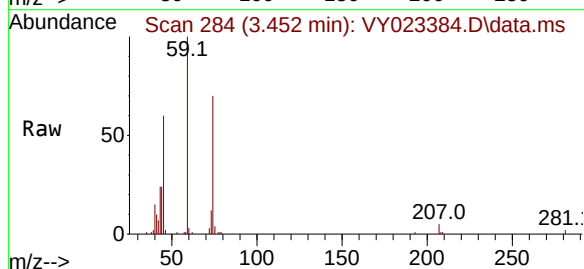
Manual Integrations  
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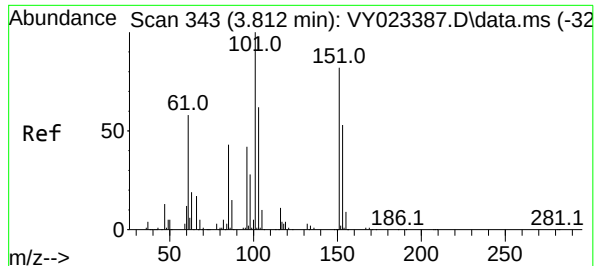
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#8  
Diethyl Ether  
Concen: 5.060 ug/l  
RT: 3.452 min Scan# 284  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Tgt Ion: 74 Resp: 14079  
Ion Ratio Lower Upper  
74 100  
45 82.9 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.989 ug/l

RT: 3.818 min Scan# 343

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

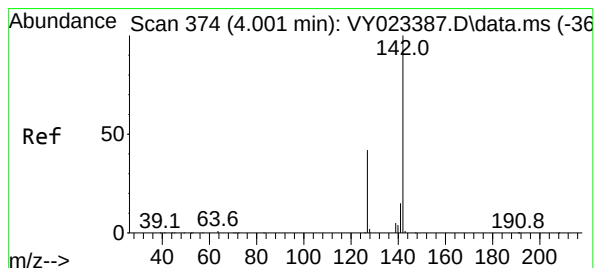
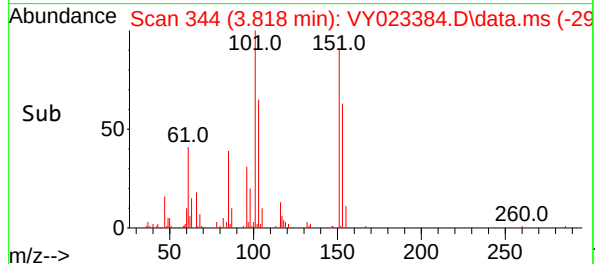
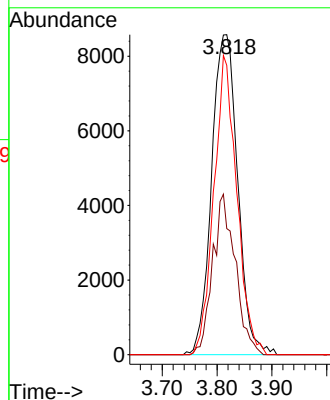
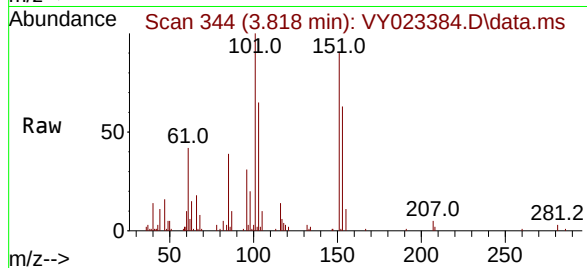
VSTDICC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 2836  |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 43.5  | 34.6  | 51.8  |
| 151      | 82.3  | 67.0  | 100.6 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#10

Methyl Iodide

Concen: 3.606 ug/l

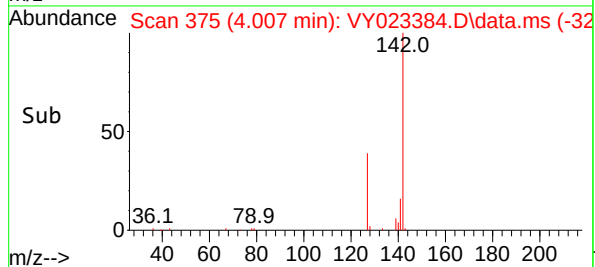
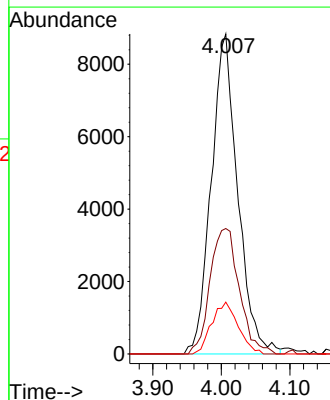
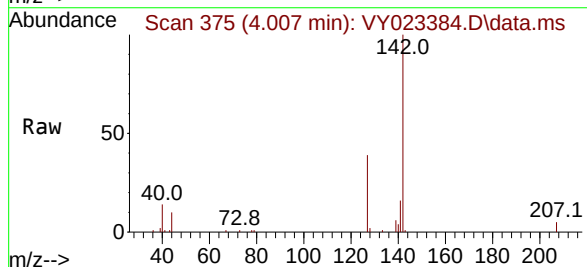
RT: 4.007 min Scan# 375

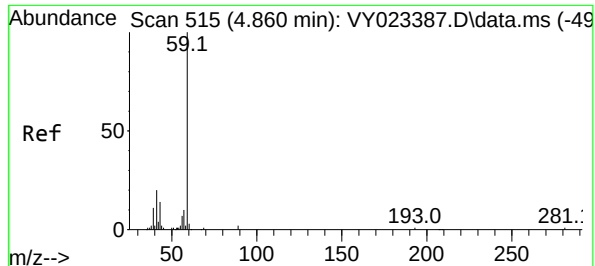
Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 23692 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 43.3  | 34.8  | 52.2  |
| 141      | 16.2  | 11.6  | 17.4  |





#11

Tert butyl alcohol

Concen: 32.746 ug/l

RT: 4.854 min Scan# 515

Delta R.T. -0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 9774

Ion Ratio Lower Upper

59 100

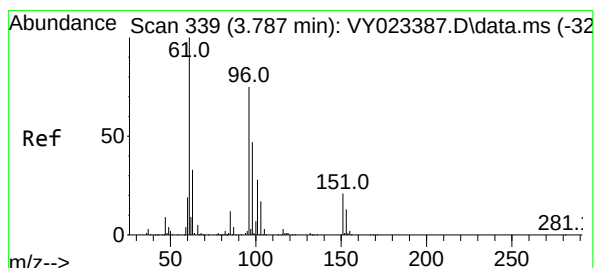
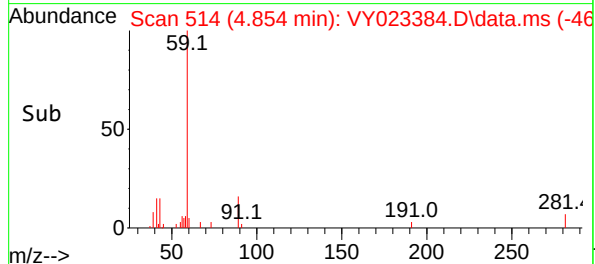
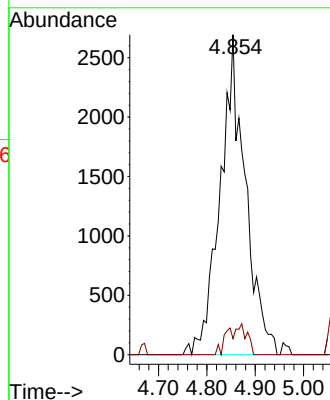
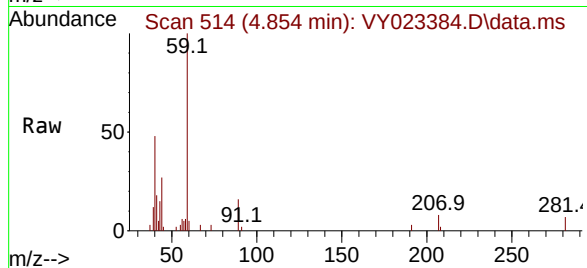
57 3.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 4.806 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

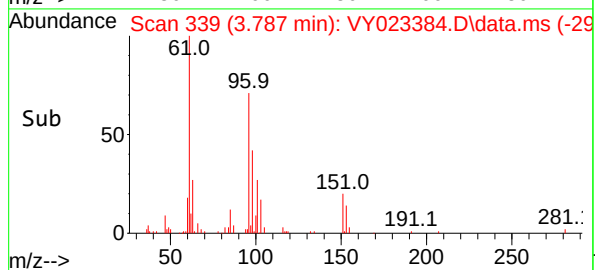
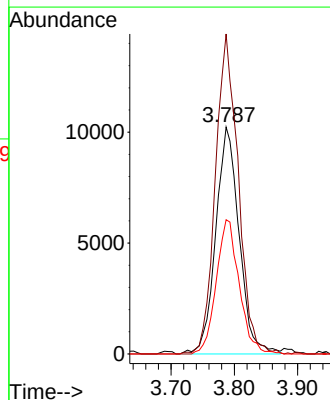
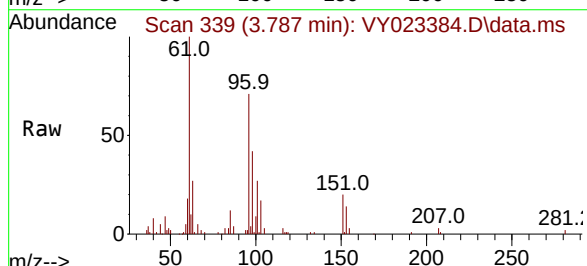
Tgt Ion: 96 Resp: 26290

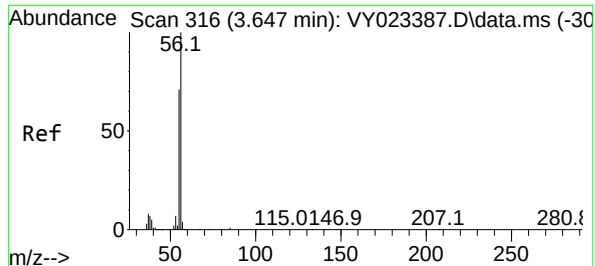
Ion Ratio Lower Upper

96 100

61 141.0 106.7 160.1

98 59.1 50.2 75.4





#13

Acrolein

Concen: 26.054 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 13170

Ion Ratio Lower Upper

56 100

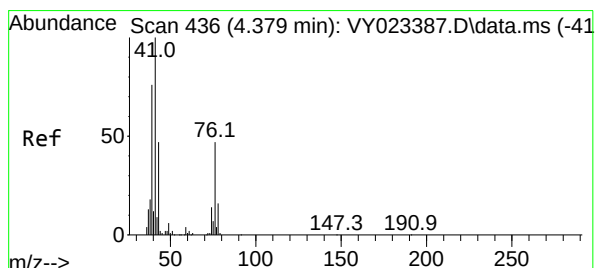
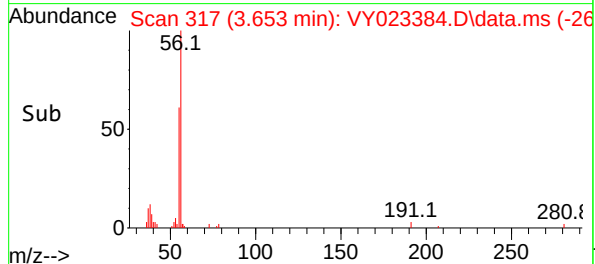
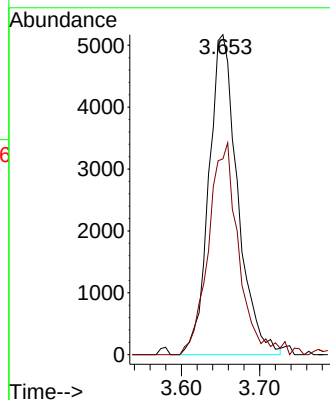
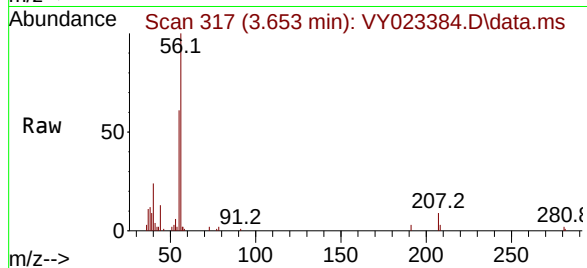
55 70.1 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#14

Allyl chloride

Concen: 4.616 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

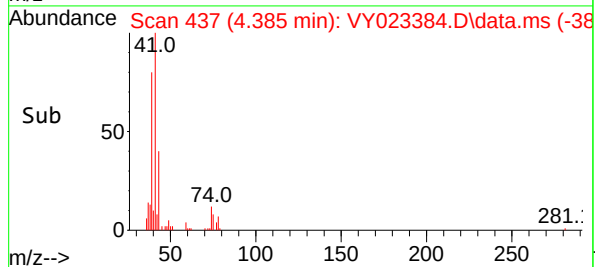
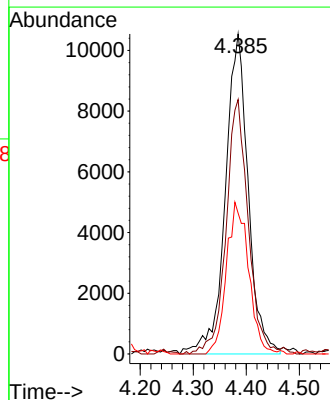
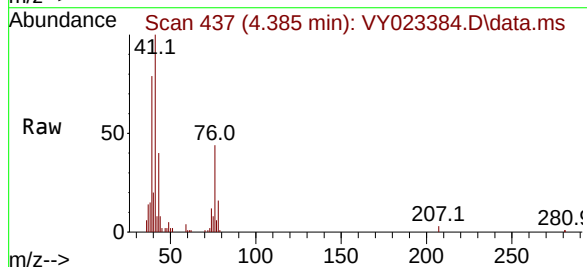
Tgt Ion: 41 Resp: 31614

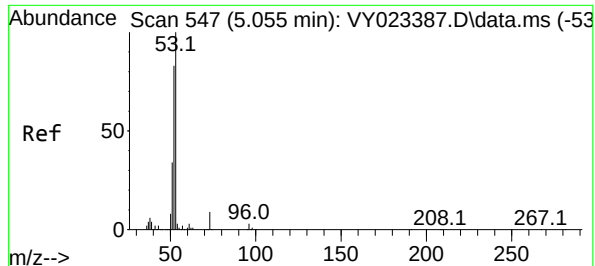
Ion Ratio Lower Upper

41 100

39 76.6 59.9 89.9

76 46.2 38.0 57.0





#15

Acrylonitrile

Concen: 23.754 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

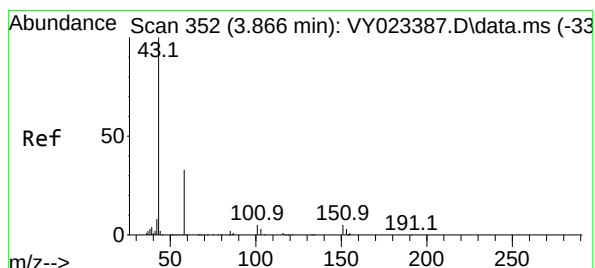
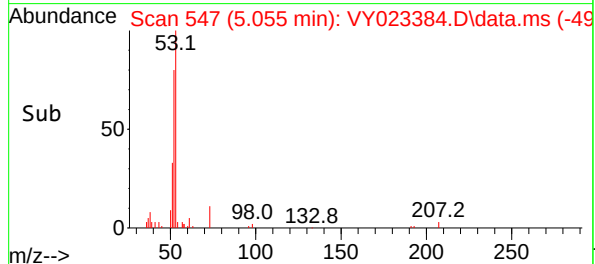
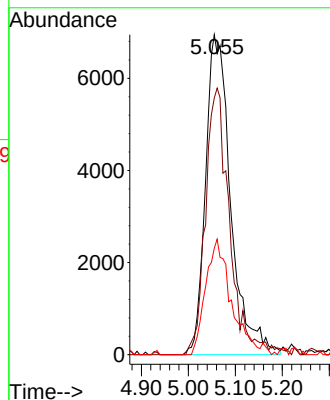
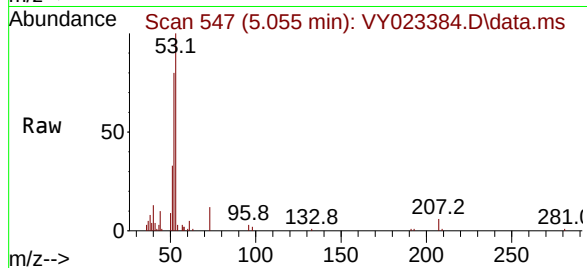
ClientSampleId :

VSTDICC005

|             |                |
|-------------|----------------|
| Tgt Ion: 53 | Resp: 2589     |
| Ion Ratio   | Lower Upper    |
| 53          | 100            |
| 52          | 79.7 64.6 97.0 |
| 51          | 36.3 29.5 44.3 |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#16

Acetone

Concen: 32.940 ug/l

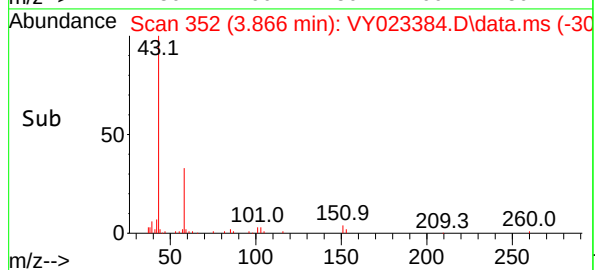
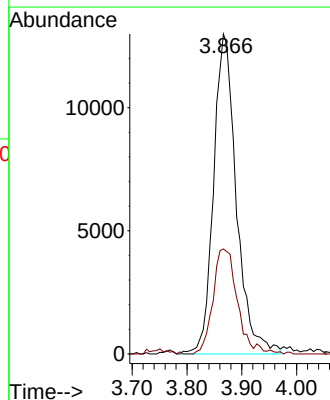
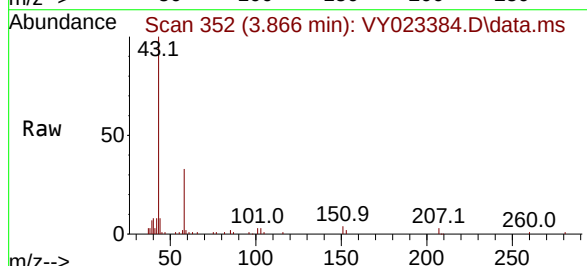
RT: 3.866 min Scan# 352

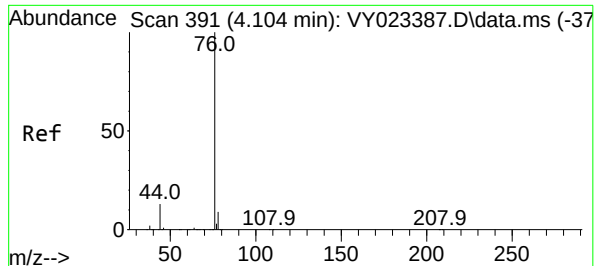
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 37573    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 58          | 32.1 27.7 41.5 |





#17

Carbon Disulfide

Concen: 4.432 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 7564

Ion Ratio Lower Upper

76 100

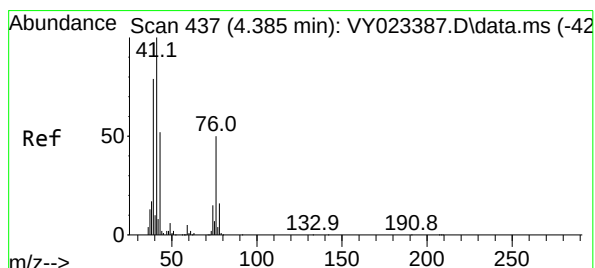
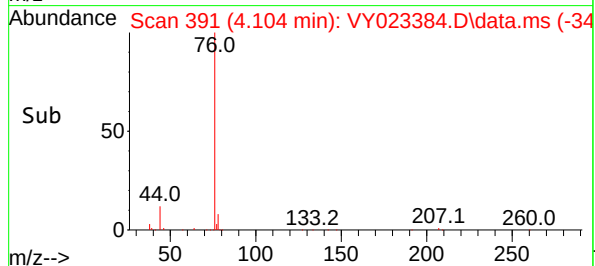
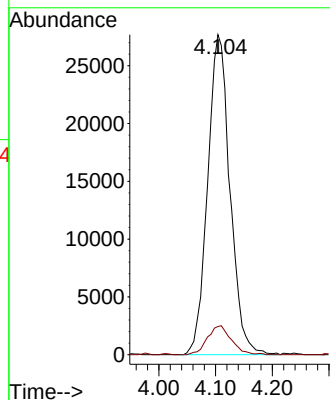
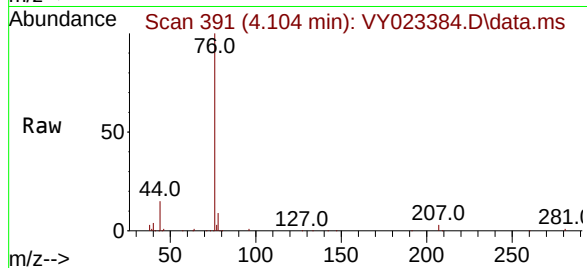
78 8.8 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#18

Methyl Acetate

Concen: 4.926 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY023384.D

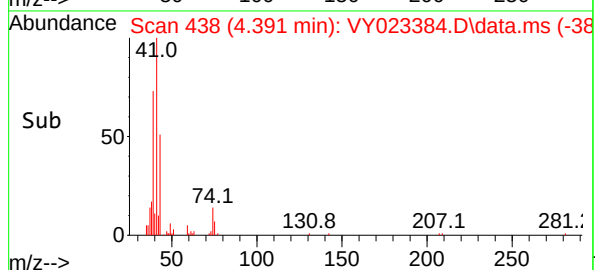
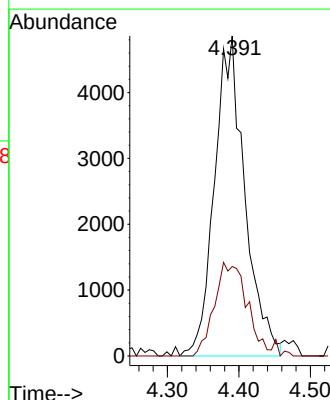
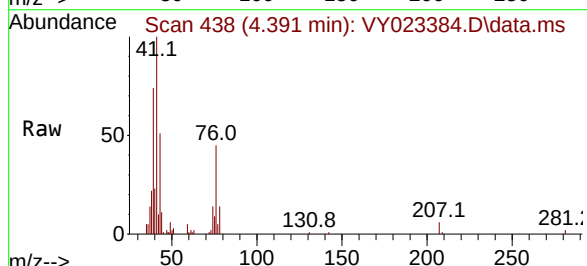
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 14279

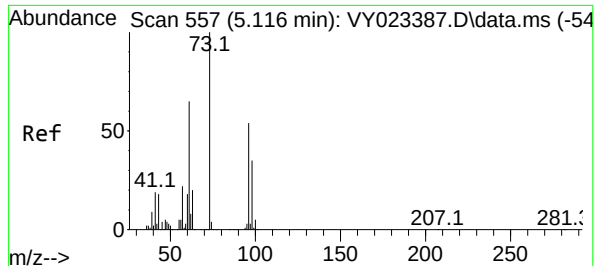
Ion Ratio Lower Upper

43 100

74 31.4 24.2 36.4







#19

Methyl tert-butyl Ether

Concen: 4.600 ug/l

RT: 5.116 min Scan# 5

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 58919

Ion Ratio Lower Upper

73 100

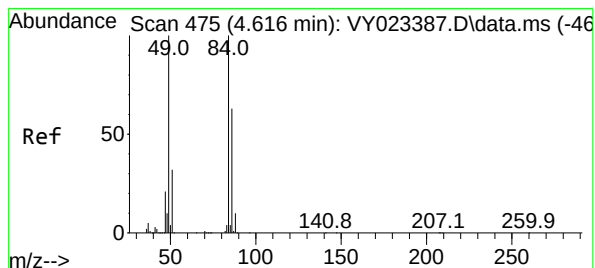
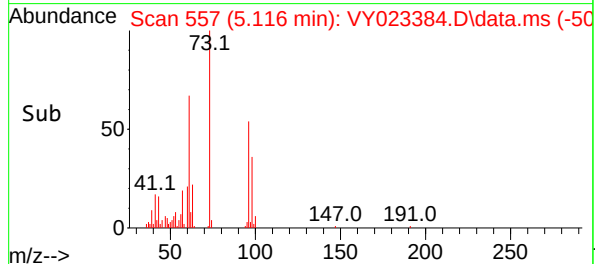
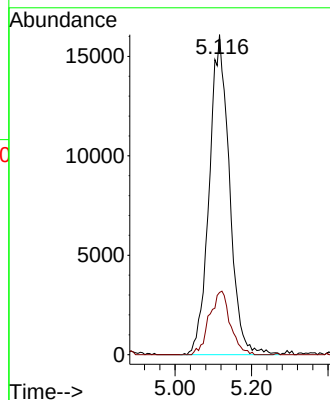
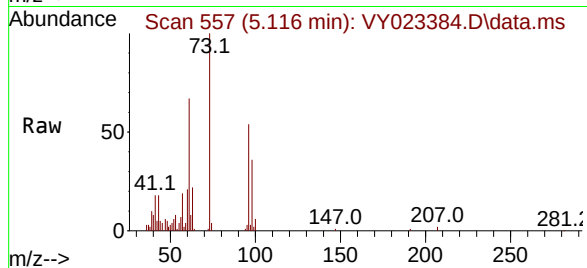
57 19.4 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 5.917 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion: 84 Resp: 36598

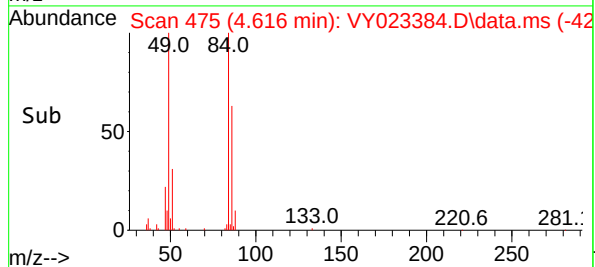
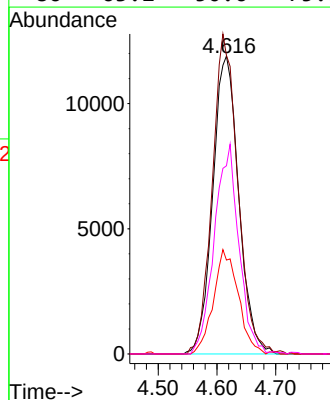
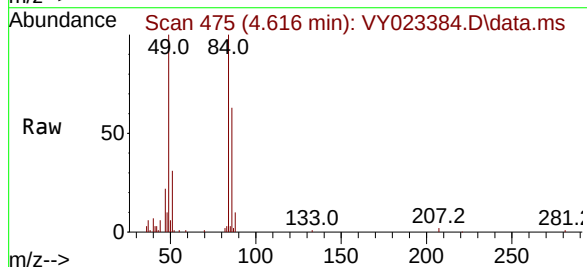
Ion Ratio Lower Upper

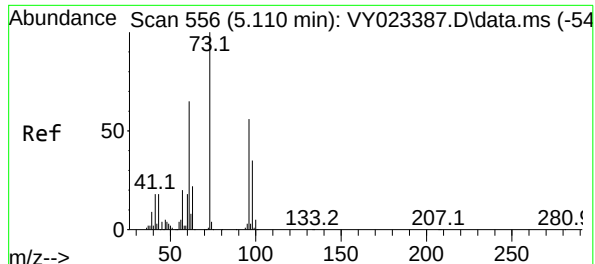
84 100

49 100.3 80.2 120.4

51 31.6 25.9 38.9

86 63.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 4.754 ug/l

RT: 5.110 min Scan# 556

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

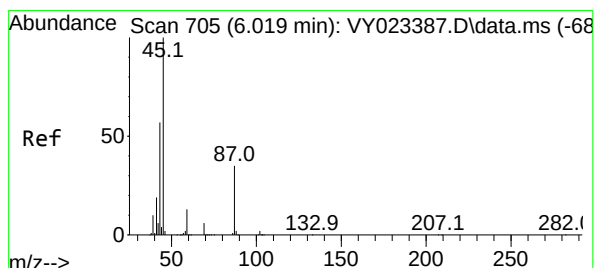
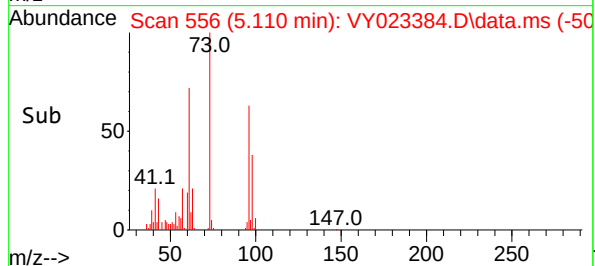
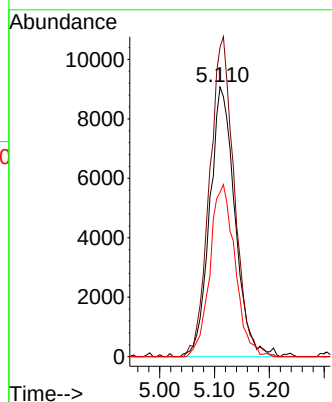
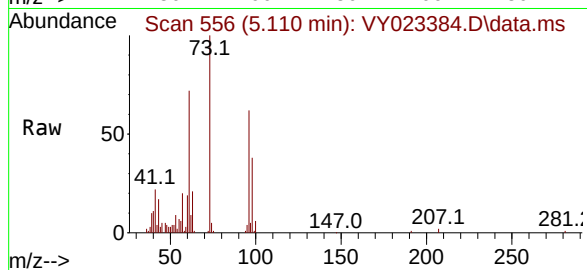
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 2892  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 114.7 | 92.7  | 139.1 |
| 98       | 61.0  | 49.7  | 74.5  |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#22

Diisopropyl ether

Concen: 4.269 ug/l

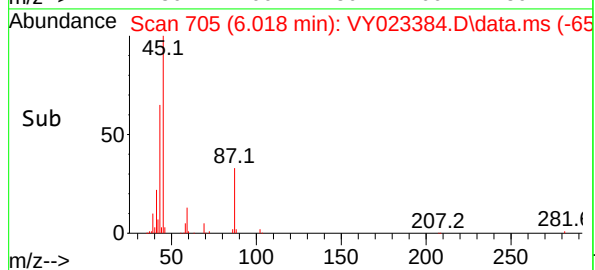
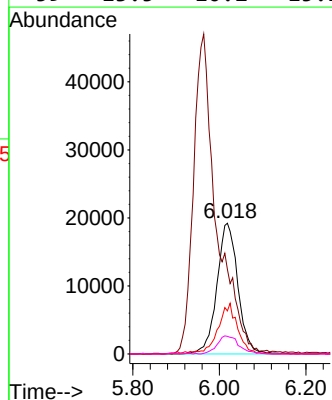
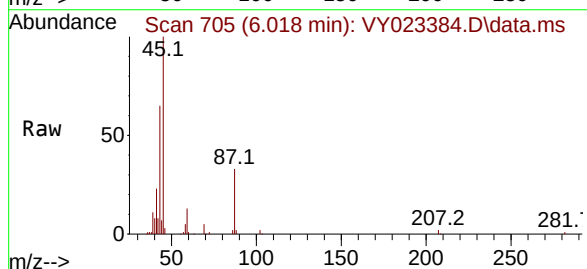
RT: 6.018 min Scan# 705

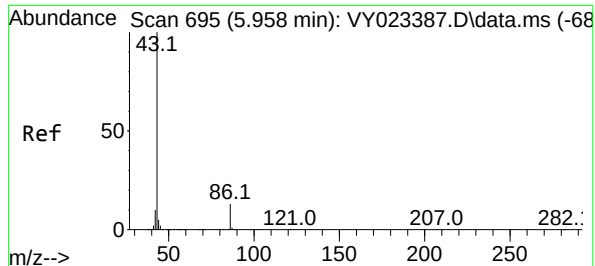
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 64833 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 63.0  | 45.6  | 68.4  |
| 87       | 32.9  | 28.1  | 42.1  |
| 59       | 13.5  | 10.2  | 15.2  |





#23

Vinyl Acetate

Concen: 20.824 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 17385

Ion Ratio Lower Upper

43

100

86

13.6

10.6

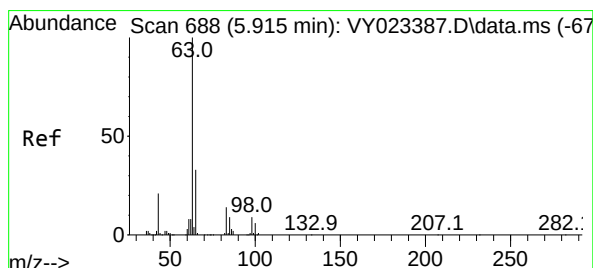
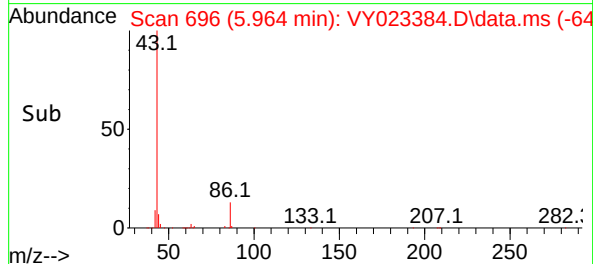
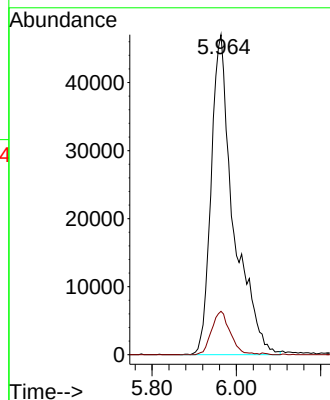
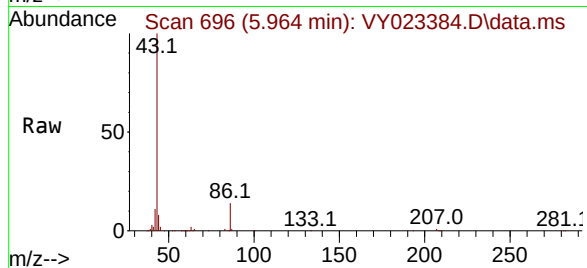
15.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 4.679 ug/l

RT: 5.909 min Scan# 687

Delta R.T. -0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion: 63 Resp: 46850

Ion Ratio Lower Upper

63

100

98

8.8

4.3

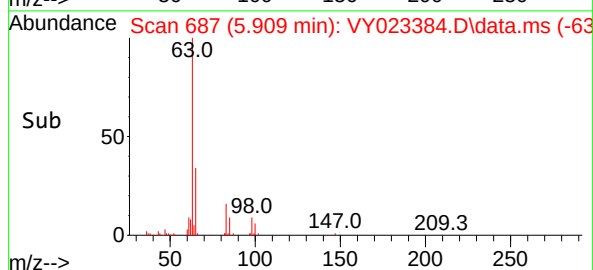
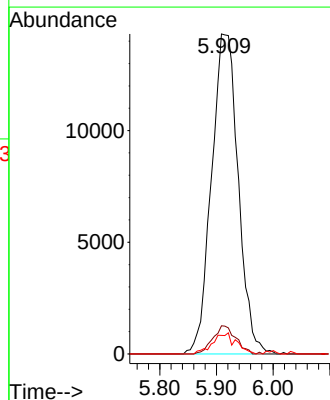
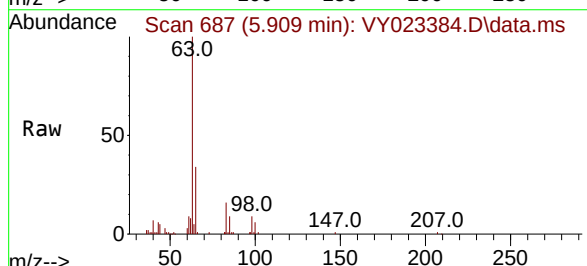
13.1

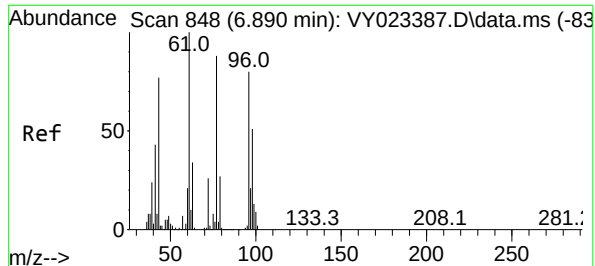
100

5.8

2.8

8.4





#25

2-Butanone

Concen: 27.656 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 38990

Ion Ratio Lower Upper

43 100

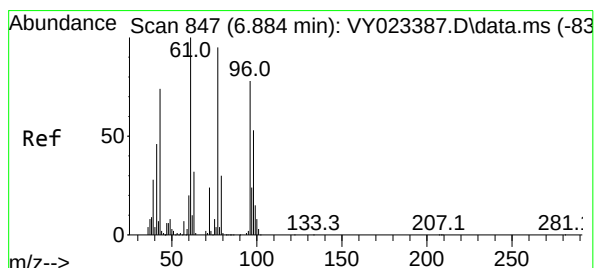
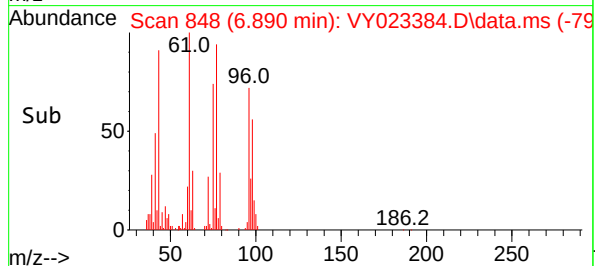
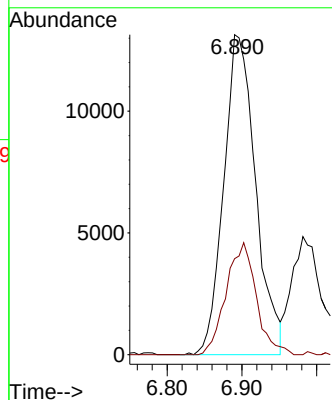
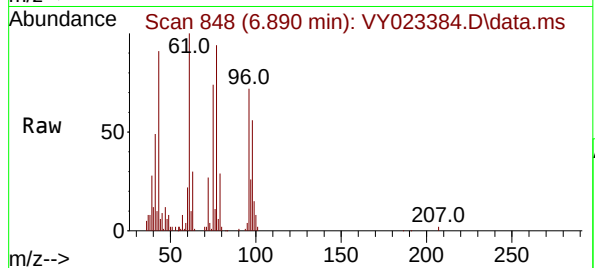
72 30.0 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 4.953 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023384.D

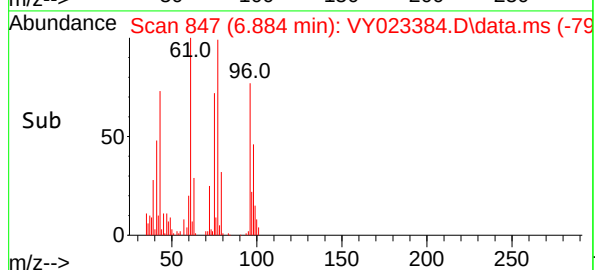
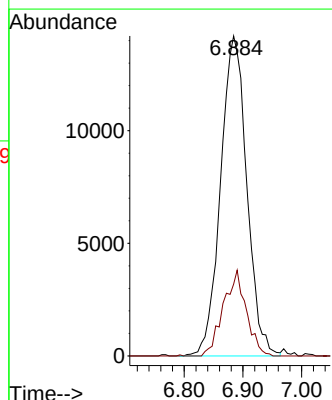
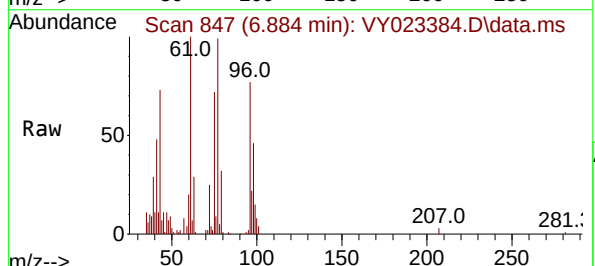
Acq: 07 Oct 2025 09:17

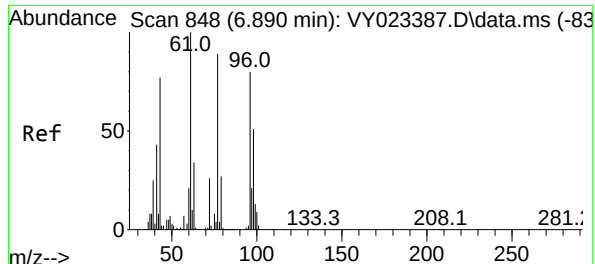
Tgt Ion: 77 Resp: 44062

Ion Ratio Lower Upper

77 100

97 23.4 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 4.600 ug/l

RT: 6.884 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

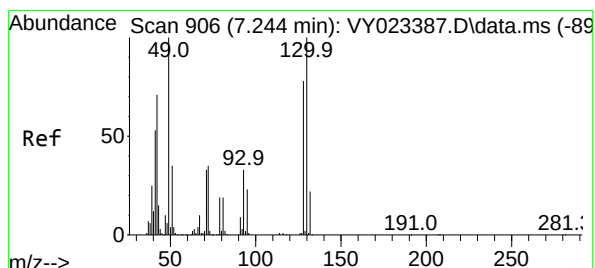
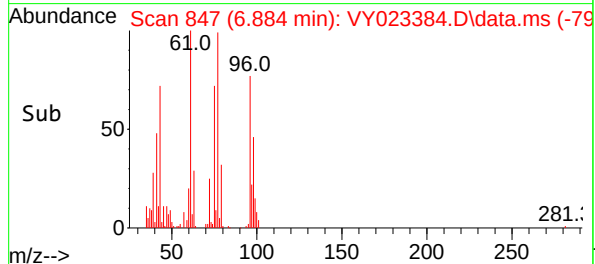
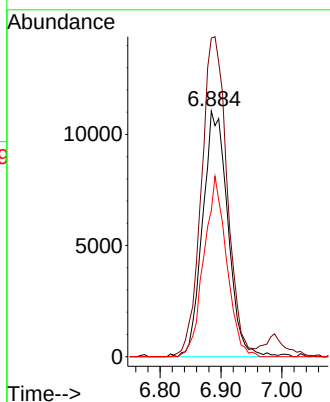
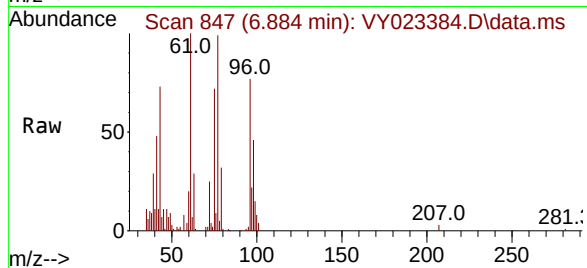
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 3174  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 133.3 | 0.0   | 258.2 |
| 98       | 66.1  | 0.0   | 132.0 |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#28

Bromochloromethane

Concen: 5.006 ug/l

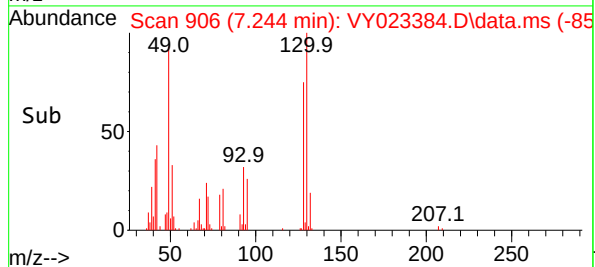
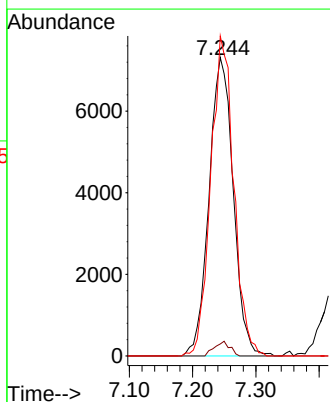
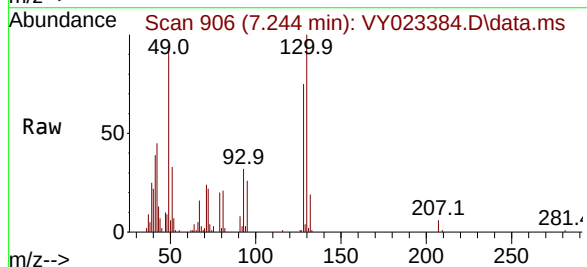
RT: 7.244 min Scan# 906

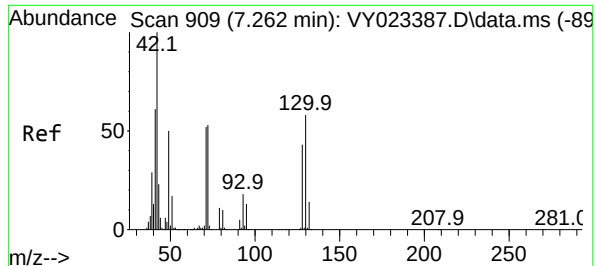
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 19445 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 3.1   | 0.0   | 5.6   |
| 130      | 101.5 | 81.9  | 122.9 |





#29

Tetrahydrofuran

Concen: 23.059 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

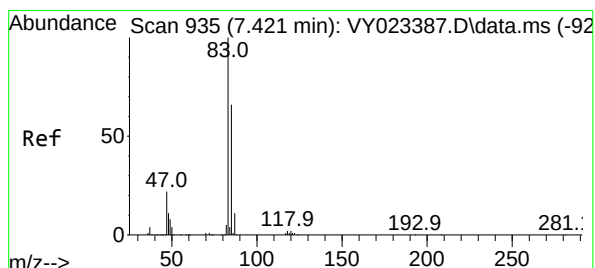
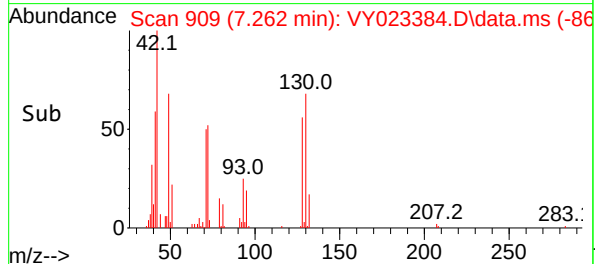
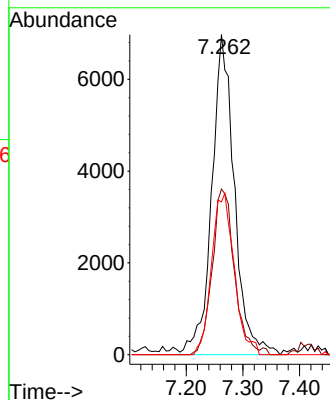
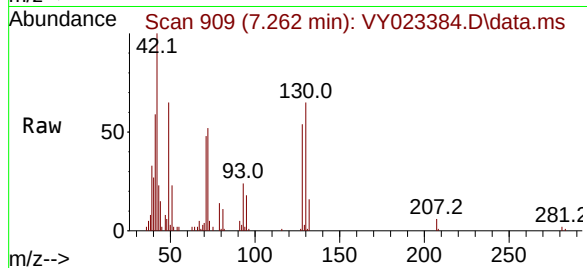
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 19290 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 51.0  | 43.0  | 64.6  |
| 71       | 50.4  | 40.1  | 60.1  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#30

Chloroform

Concen: 4.806 ug/l

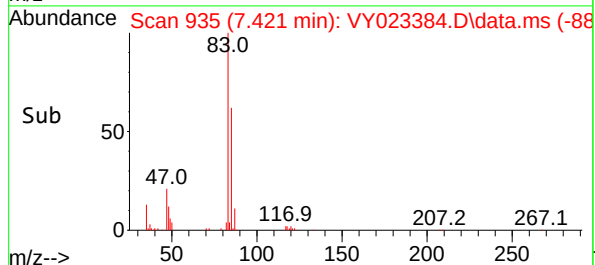
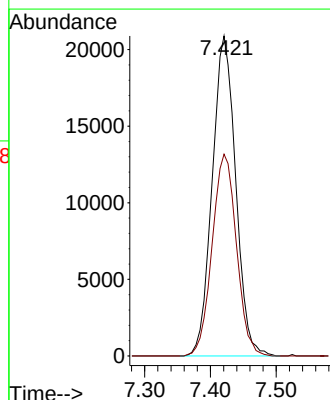
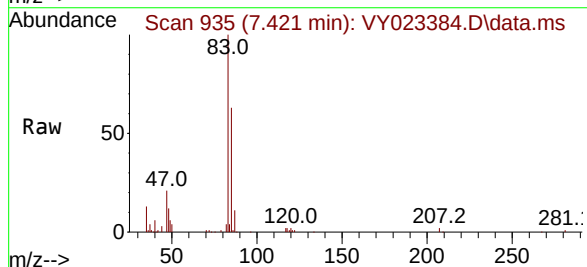
RT: 7.421 min Scan# 935

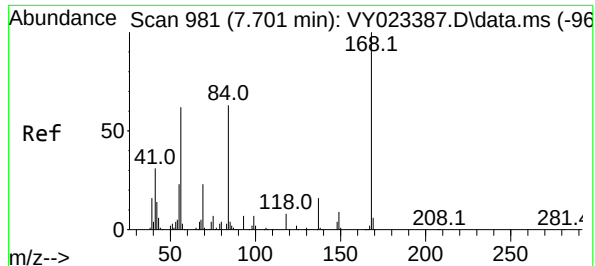
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 51887 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.0  | 52.5  | 78.7  |





#31

Cyclohexane

Concen: 5.279 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 46679

Ion Ratio Lower Upper

56 100

69 62.0 30.0 45.0

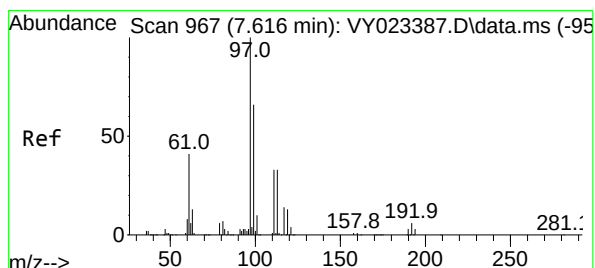
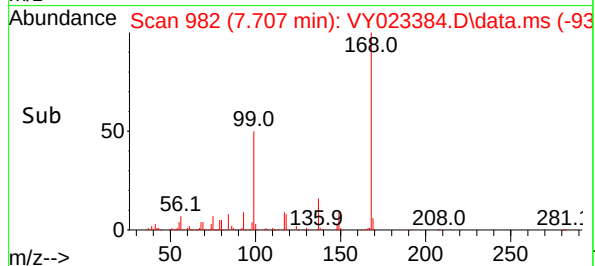
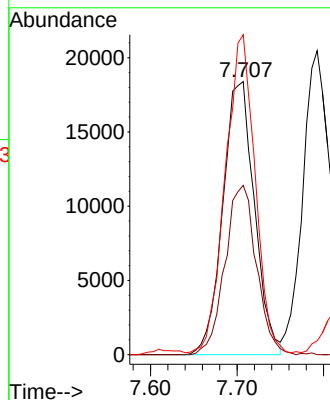
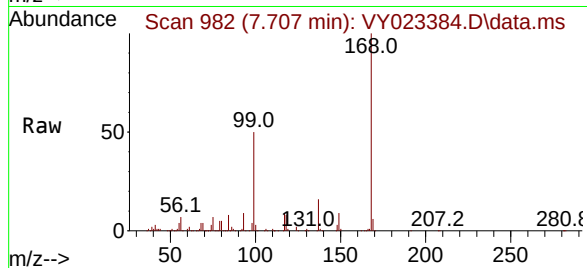
84 115.8 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 4.881 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

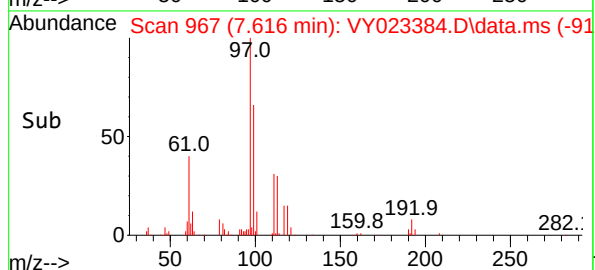
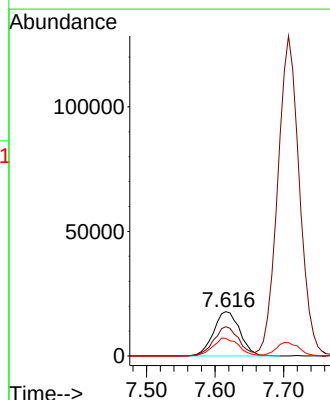
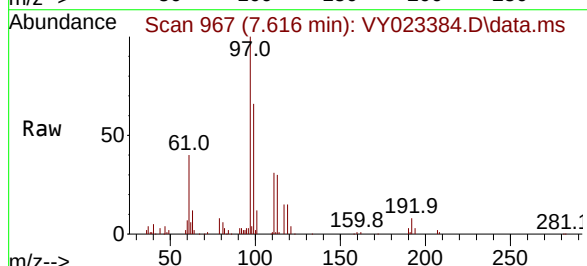
Tgt Ion: 97 Resp: 47305

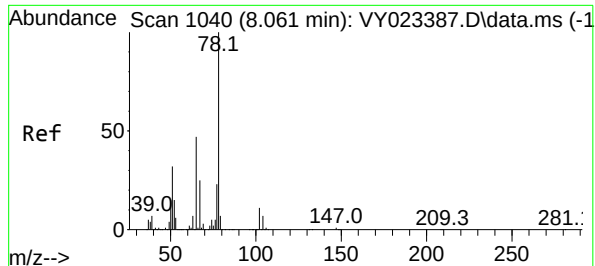
Ion Ratio Lower Upper

97 100

99 63.1 51.4 77.2

61 39.4 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 5.258 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 26670

Ion Ratio Lower Upper

65 100

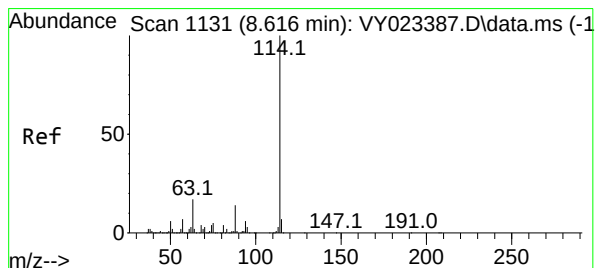
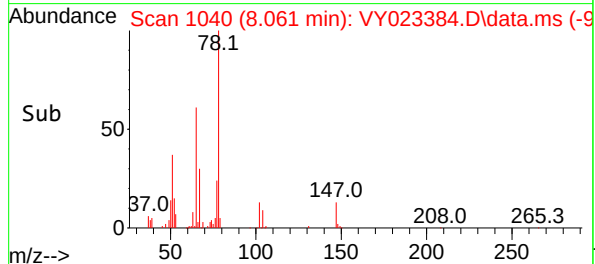
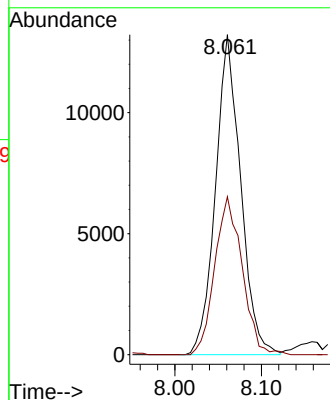
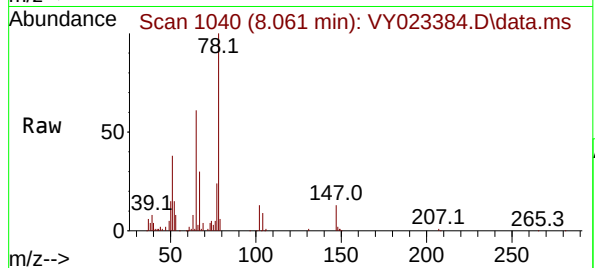
67 53.7 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

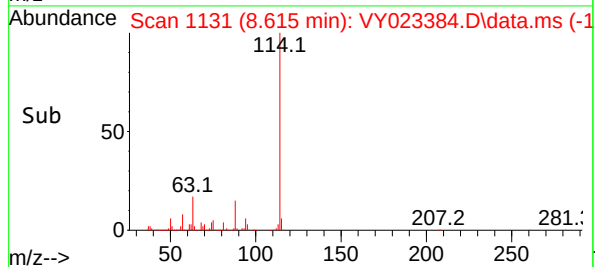
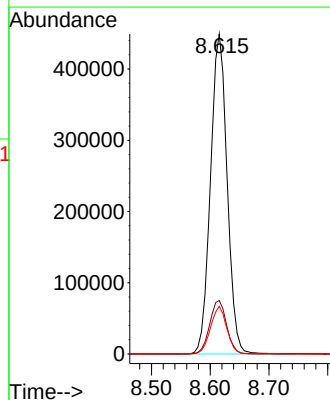
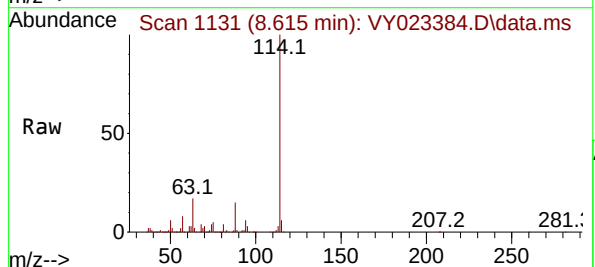
Tgt Ion:114 Resp: 882488

Ion Ratio Lower Upper

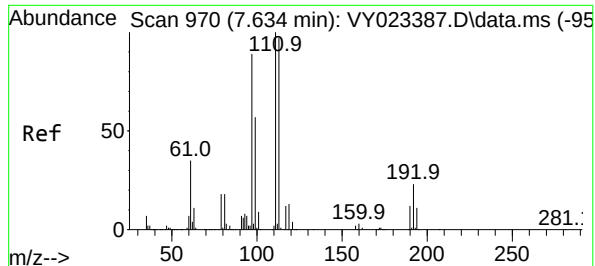
114 100

63 16.7 0.0 34.2

88 14.9 0.0 28.4







#35

Dibromofluoromethane

Concen: 5.126 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion:113 Resp: 2745

Ion Ratio Lower Upper

113 100

111 99.0 81.8 122.6

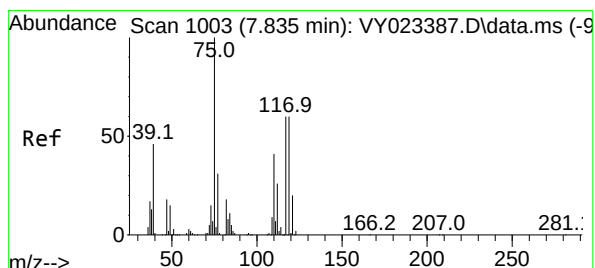
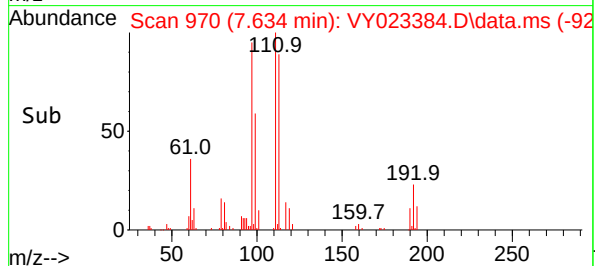
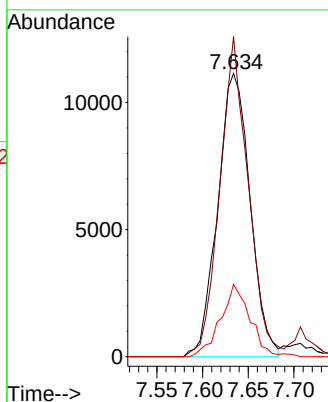
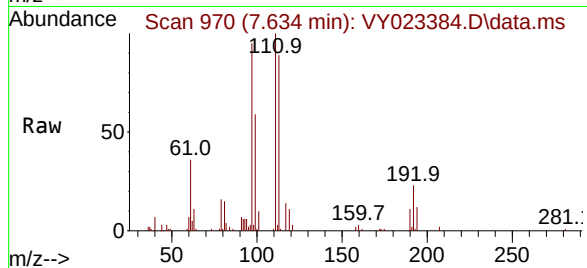
192 23.4 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#36

1,1-Dichloropropene

Concen: 4.617 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

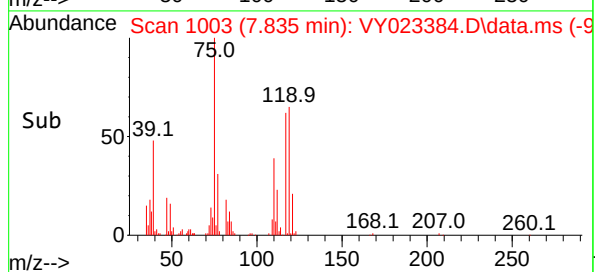
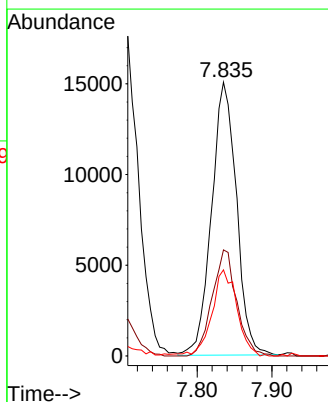
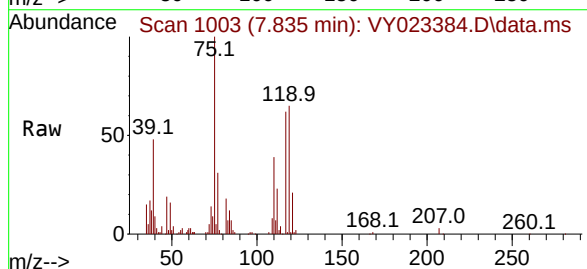
Tgt Ion: 75 Resp: 34888

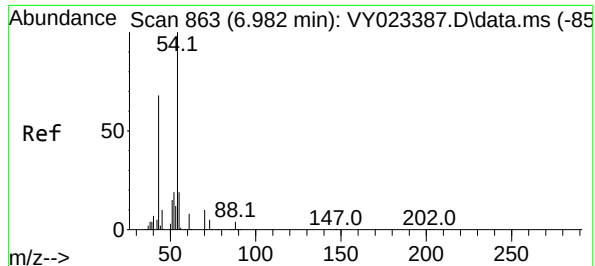
Ion Ratio Lower Upper

75 100

110 38.3 19.9 59.7

77 32.1 25.0 37.6





#37

Ethyl Acetate

Concen: 4.379 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

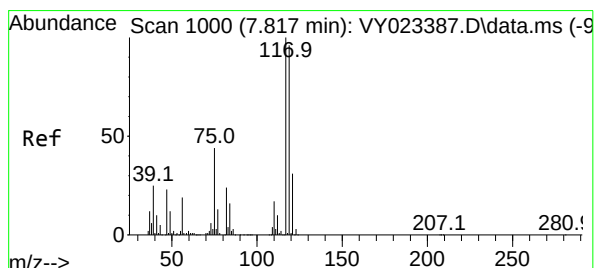
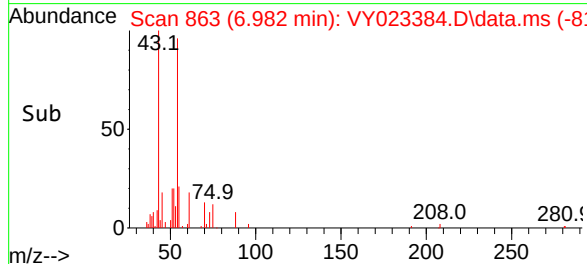
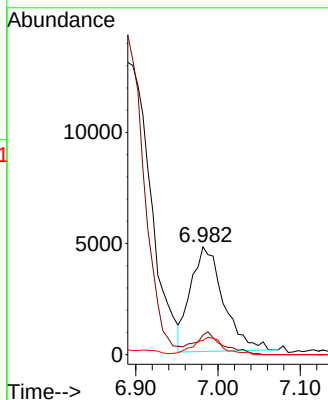
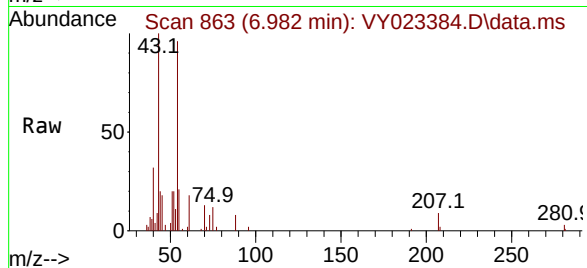
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1308  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 18.2  | 11.8  | 17.8  |
| 70       | 15.0  | 10.5  | 15.7  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#38

Carbon Tetrachloride

Concen: 4.859 ug/l

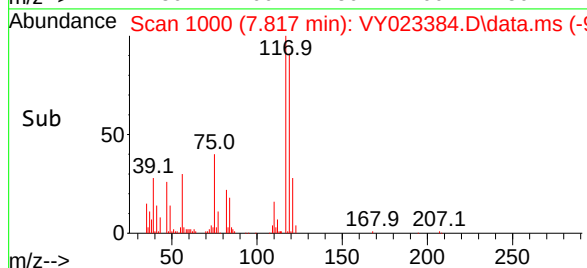
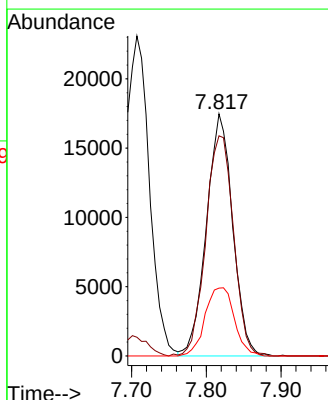
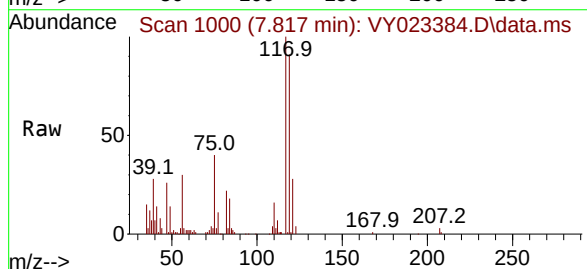
RT: 7.817 min Scan# 1000

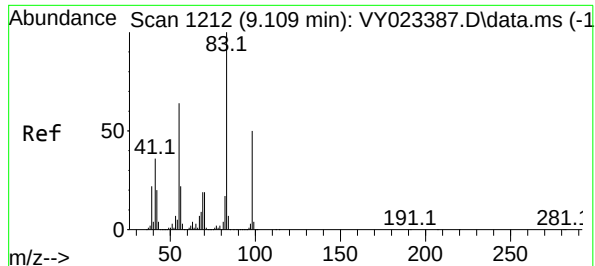
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 42654 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 91.0  | 76.8  | 115.2 |
| 121      | 28.0  | 24.5  | 36.7  |





#39

Methylcyclohexane

Concen: 4.479 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

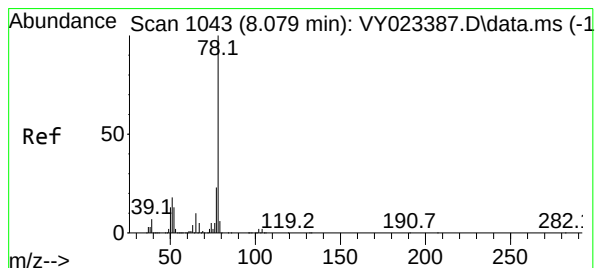
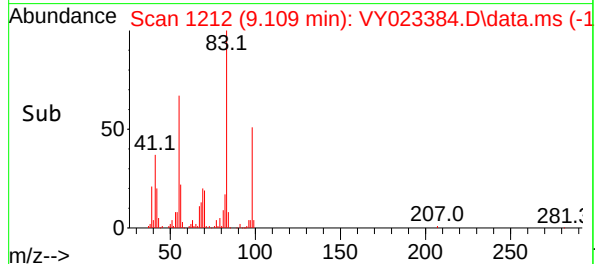
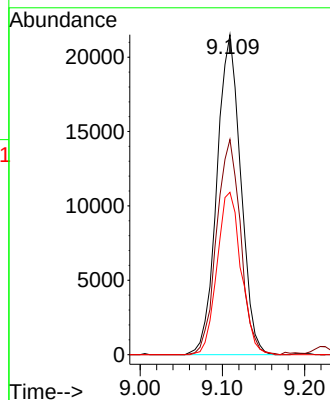
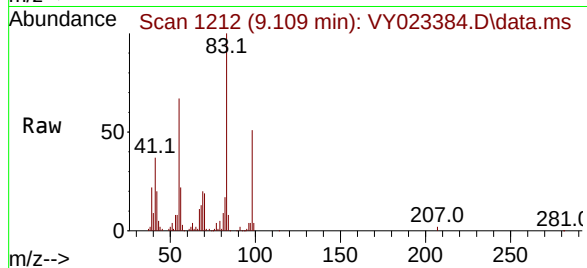
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 43329 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 67.2  | 51.4  | 77.2  |
| 98       | 50.8  | 40.4  | 60.6  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#40

Benzene

Concen: 4.693 ug/l

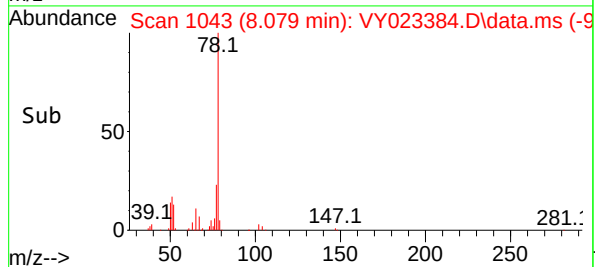
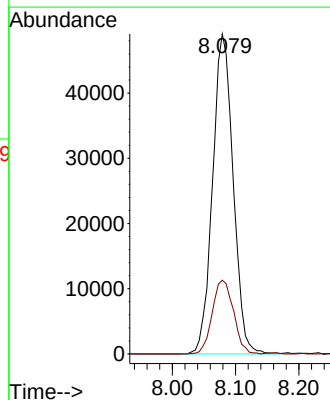
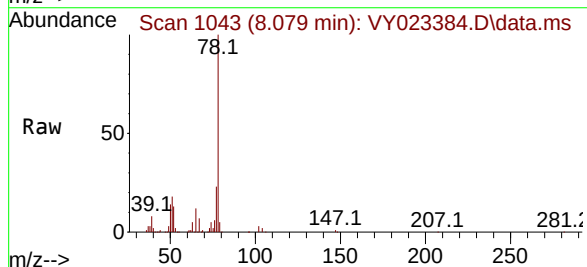
RT: 8.079 min Scan# 1043

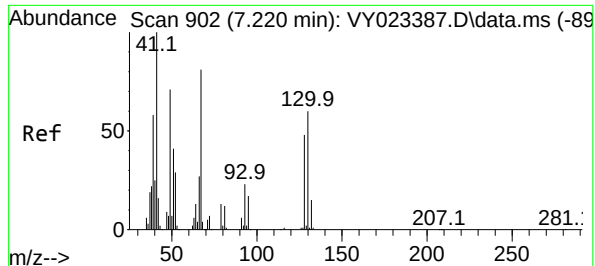
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 110551 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 23.0  | 18.3  | 27.5   |





#41

Methacrylonitrile

Concen: 4.658 ug/l m

RT: 7.225 min Scan# 902

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 41 Resp: 7220

Ion Ratio Lower Upper

41 100

39 0.0 52.2 78.4

67 95.1 74.9 112.3

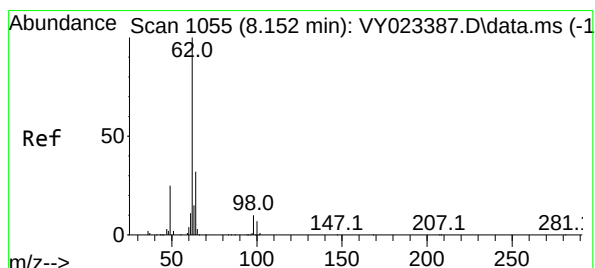
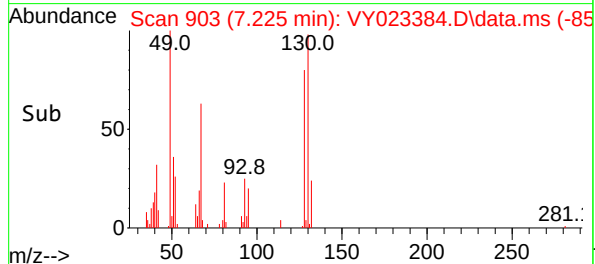
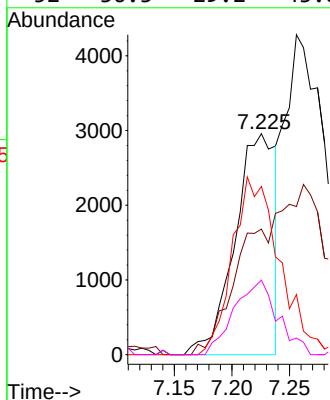
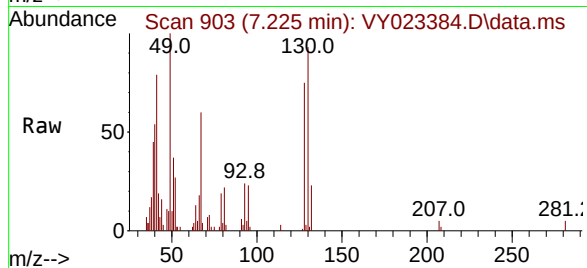
52 36.3 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#42

1,2-Dichloroethane

Concen: 4.828 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VY023384.D

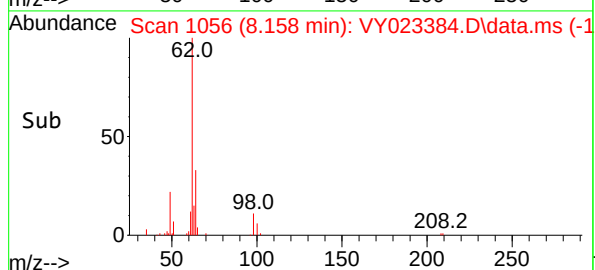
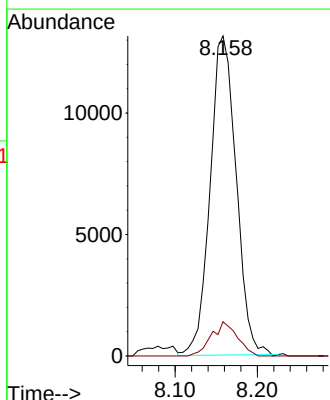
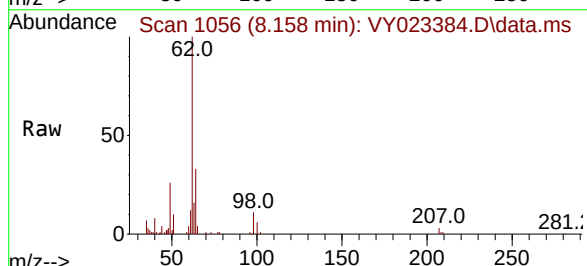
Acq: 07 Oct 2025 09:17

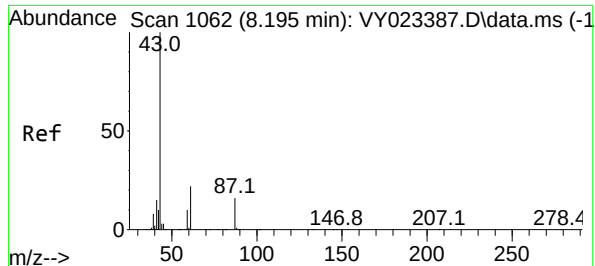
Tgt Ion: 62 Resp: 28940

Ion Ratio Lower Upper

62 100

98 10.6 0.0 21.6





#43

Isopropyl Acetate

Concen: 4.503 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

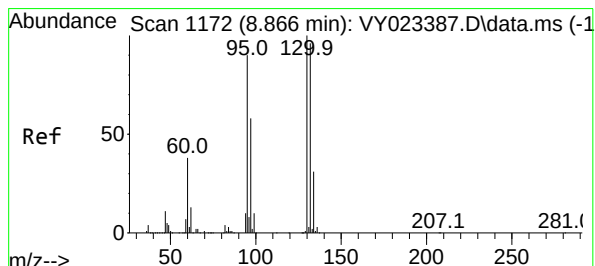
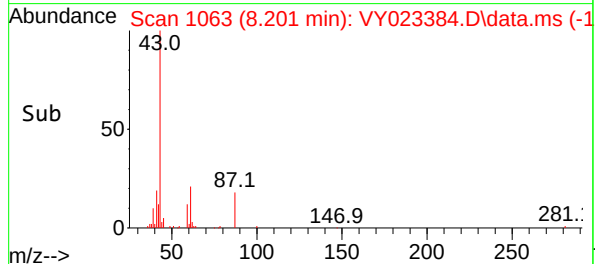
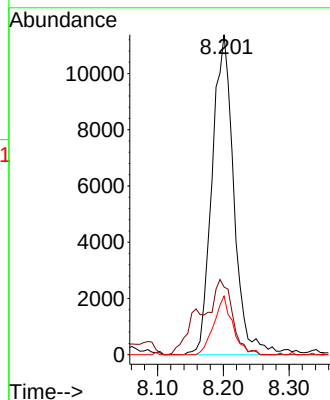
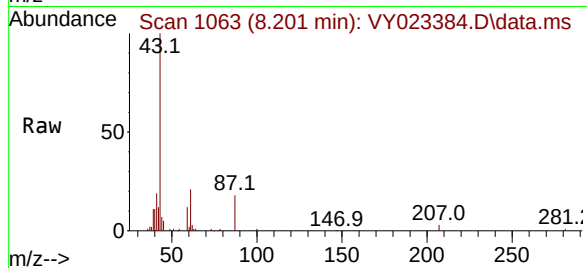
Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC005

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 2616  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 22.6     | 18.1 27.1   |
| 87 15.9     | 13.5 20.3   |

**Manual Integrations**  
**APPROVED**Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

#44

Trichloroethene

Concen: 5.077 ug/l

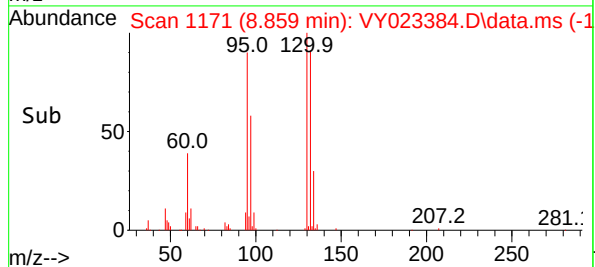
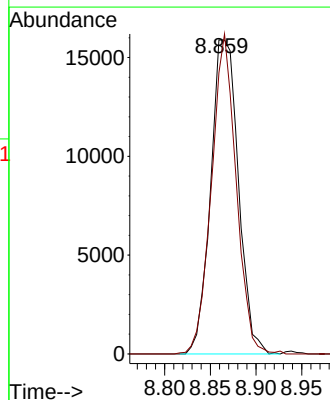
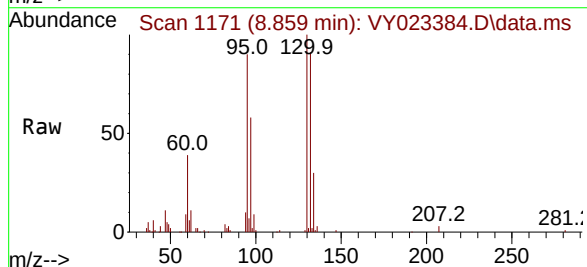
RT: 8.859 min Scan# 1171

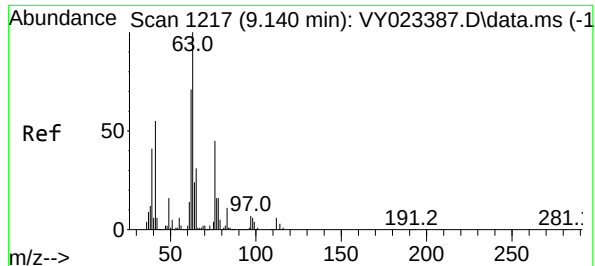
Delta R.T. -0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

|             |             |
|-------------|-------------|
| Tgt Ion:130 | Resp: 33564 |
| Ion Ratio   | Lower Upper |
| 130 100     |             |
| 95 89.2     | 0.0 180.6   |





#45

1,2-Dichloropropane

Concen: 4.595 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 2435

Ion Ratio Lower Upper

63 100

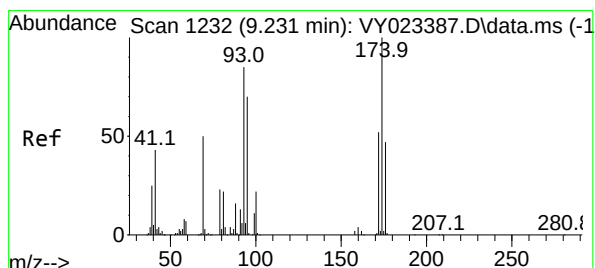
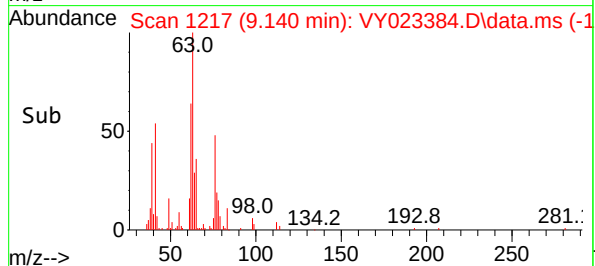
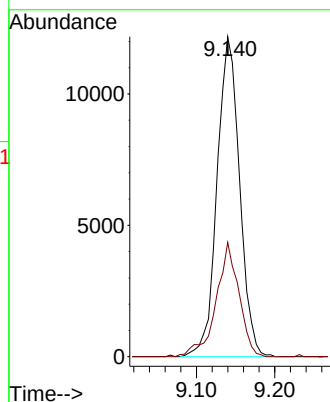
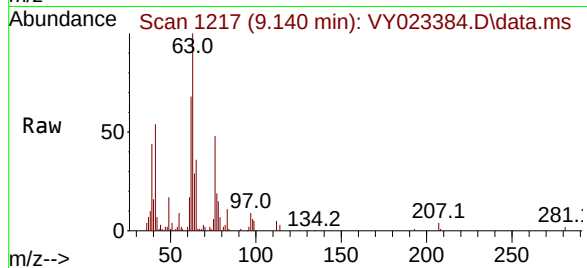
65 35.7 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

Concen: 4.682 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

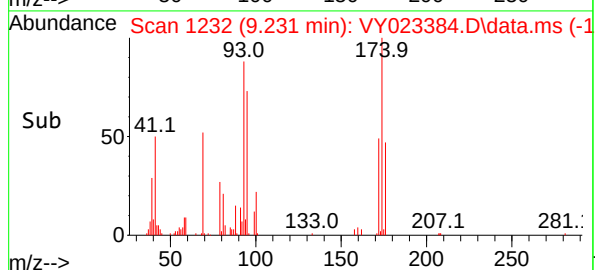
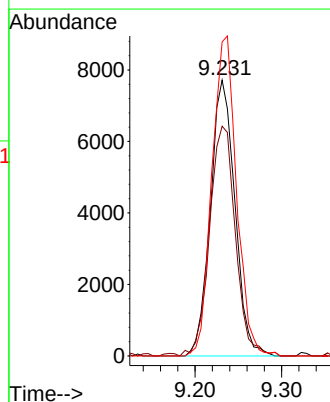
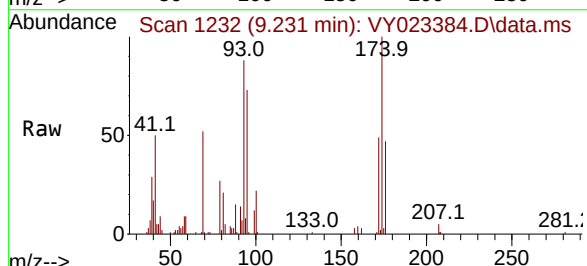
Tgt Ion: 93 Resp: 15179

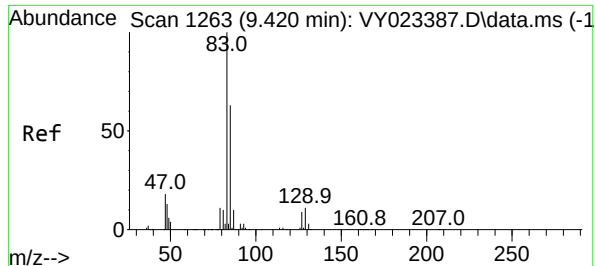
Ion Ratio Lower Upper

93 100

95 87.6 65.4 98.0

174 116.2 92.9 139.3





#47

Bromodichloromethane

Concen: 4.756 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY023384.D

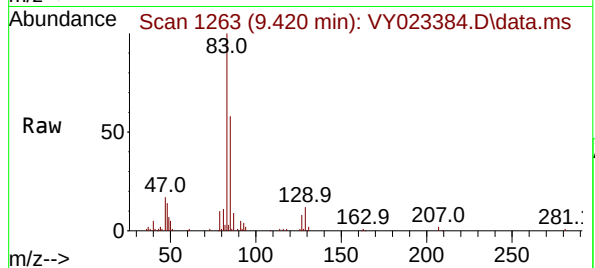
Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC005

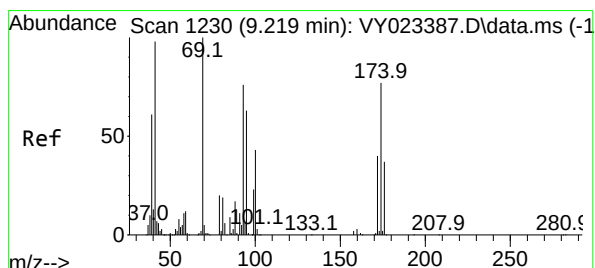
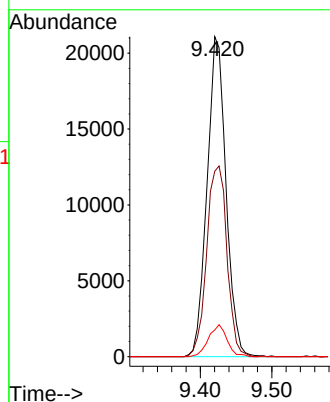
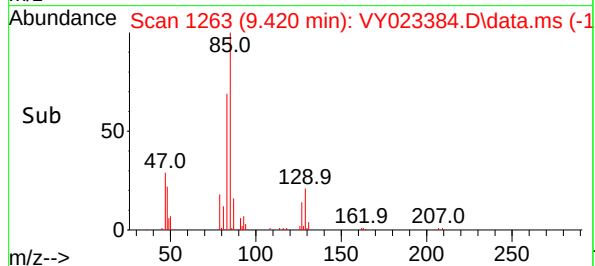


| Tgt Ion: | 83    | Resp: | 3881  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 57.9  | 50.8  | 76.2  |
| 127      | 8.4   | 7.4   | 11.2  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#48

Methyl methacrylate

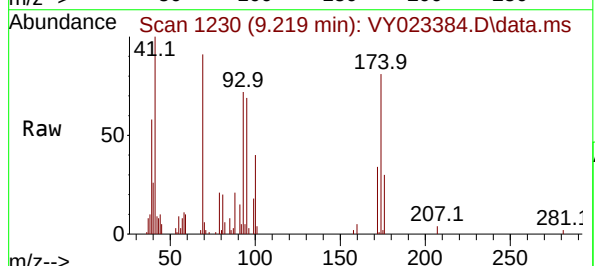
Concen: 4.071 ug/l

RT: 9.219 min Scan# 1230

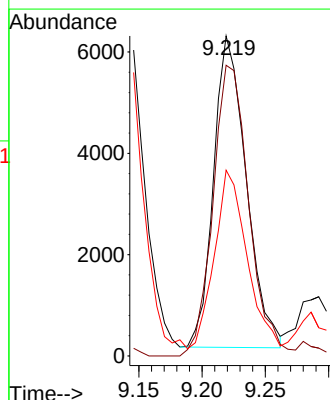
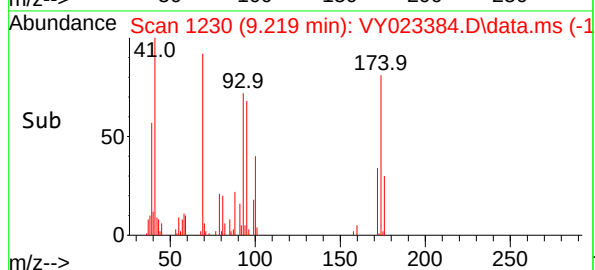
Delta R.T. -0.000 min

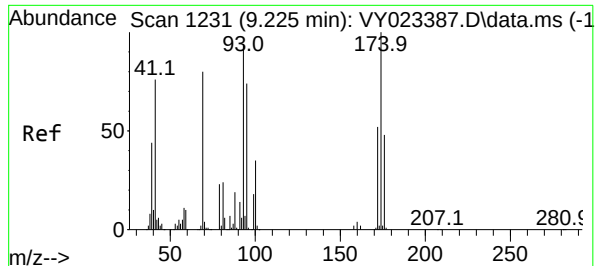
Lab File: VY023384.D

Acq: 07 Oct 2025 09:17



| Tgt Ion: | 41    | Resp: | 11038 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 102.5 | 81.0  | 121.4 |
| 39       | 62.4  | 48.2  | 72.4  |





#49

1,4-Dioxane

Concen: 96.953 ug/l

RT: 9.219 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

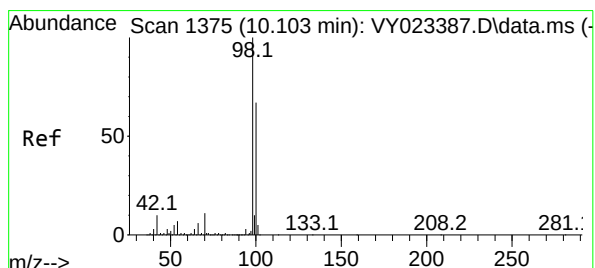
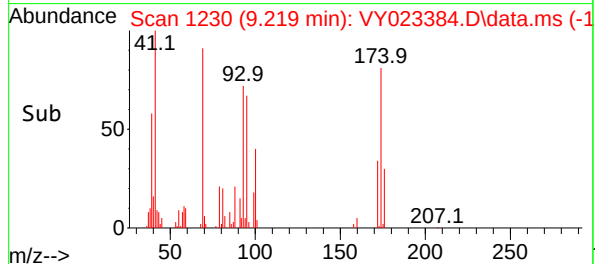
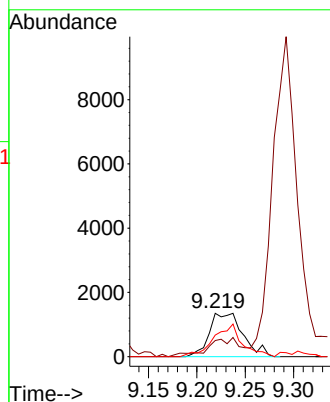
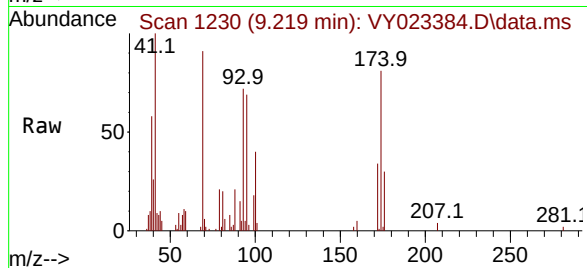
VSTDICC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 325   |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 43.1  | 21.8  | 32.8  |
| 58       | 63.4  | 46.8  | 70.2  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#50

Toluene-d8

Concen: 4.946 ug/l

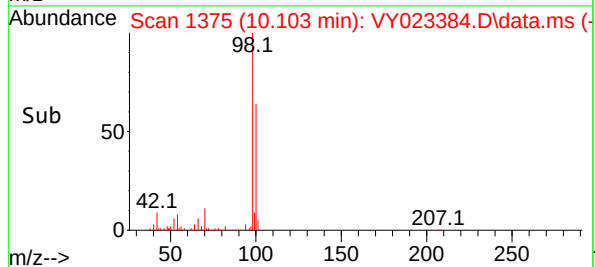
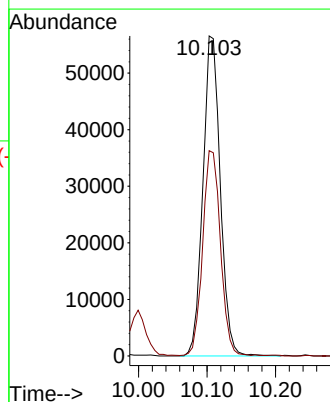
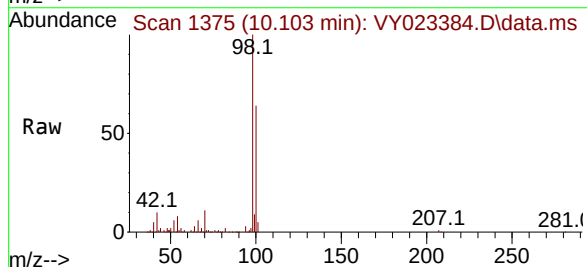
RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

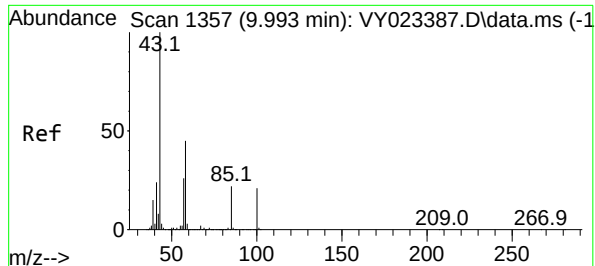
Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 99905 |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 65.3  | 53.0  | 79.4  |







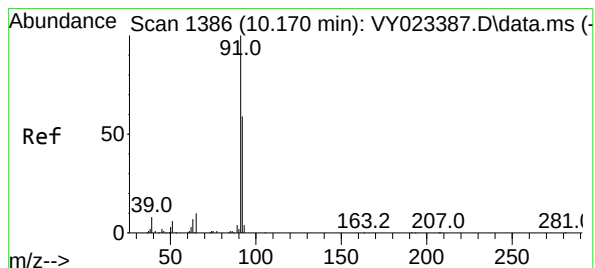
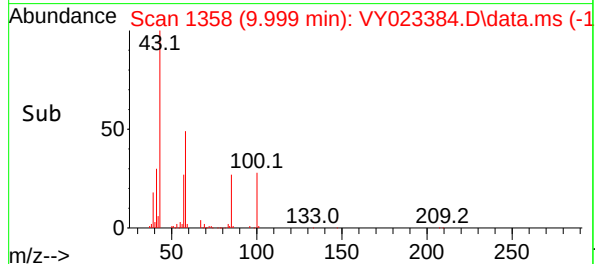
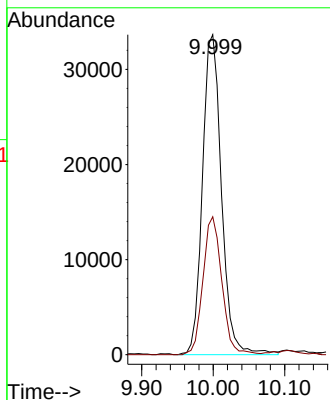
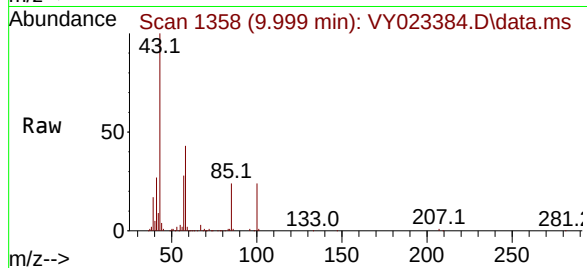
#51  
4-Methyl-2-Pentanone  
Concen: 20.925 ug/l  
RT: 9.999 min Scan# 1357  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

Tgt Ion: 43 Resp: 62279  
Ion Ratio Lower Upper  
43 100  
58 42.7 35.3 52.9

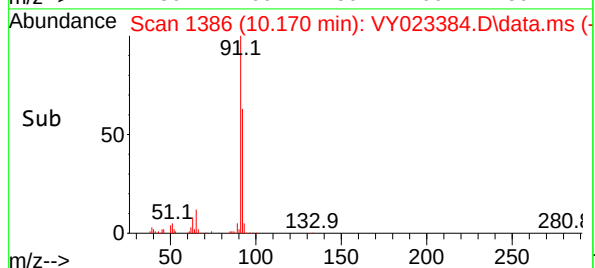
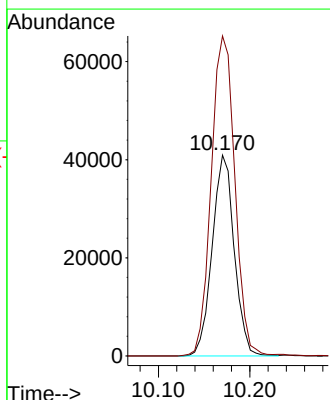
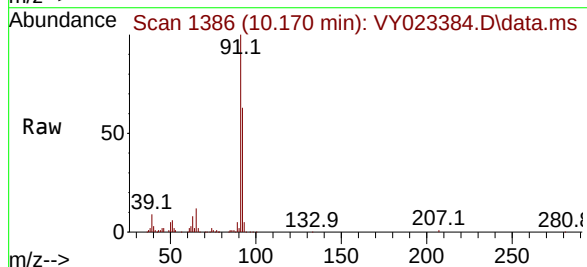
Manual Integrations  
APPROVED

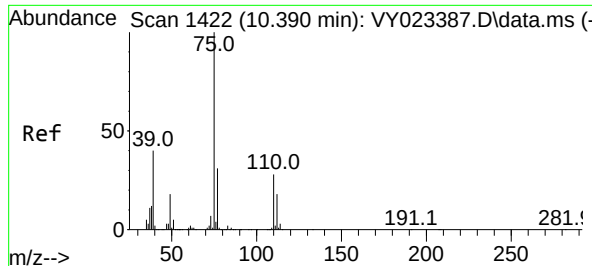
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#52  
Toluene  
Concen: 4.585 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Tgt Ion: 92 Resp: 68550  
Ion Ratio Lower Upper  
92 100  
91 171.2 136.4 204.6





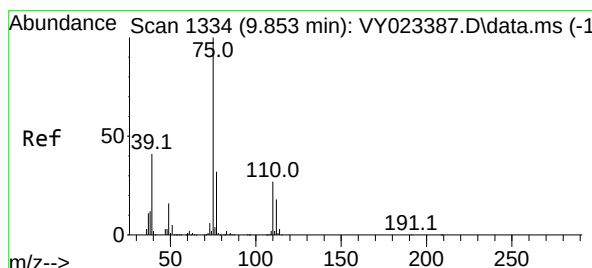
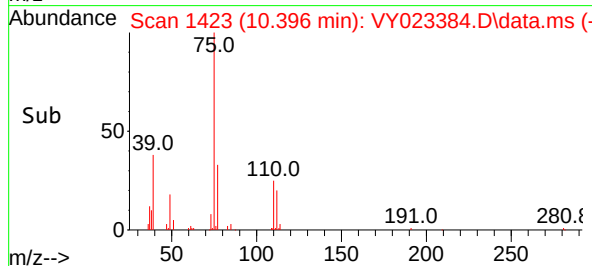
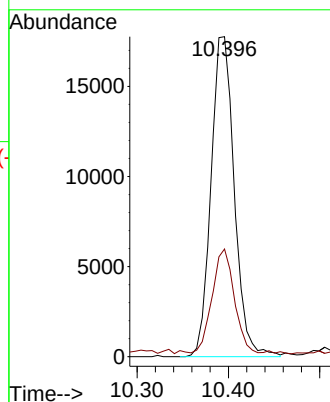
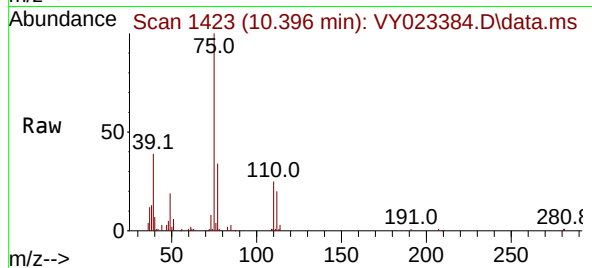
#53  
t-1,3-Dichloropropene  
Concen: 4.491 ug/l  
RT: 10.396 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

Tgt Ion: 75 Resp: 3147  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.1 37.7

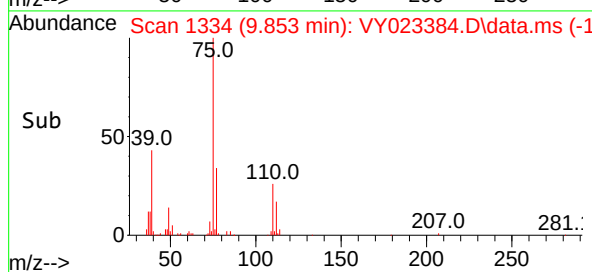
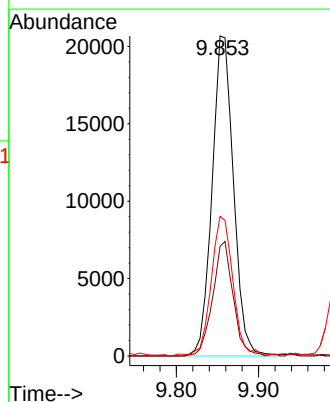
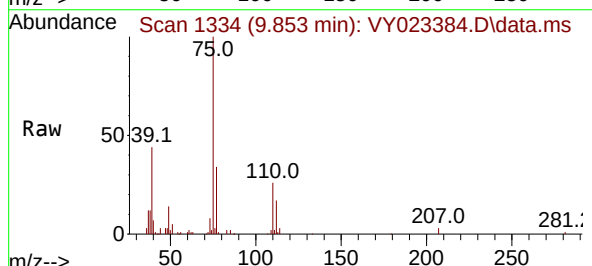
Manual Integrations  
APPROVED

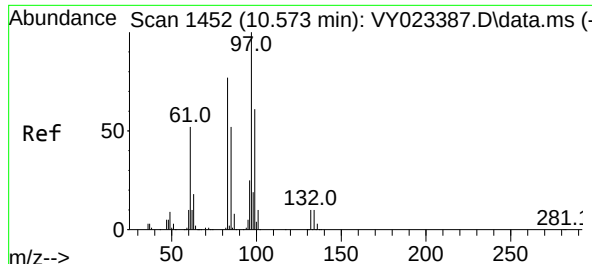
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#54  
cis-1,3-Dichloropropene  
Concen: 4.463 ug/l  
RT: 9.853 min Scan# 1334  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 37392  
Ion Ratio Lower Upper  
75 100  
77 34.2 25.4 38.0  
39 43.0 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 4.786 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 2064

Ion Ratio Lower Upper

97 100

83 80.3 61.8 92.6

85 52.8 41.3 61.9

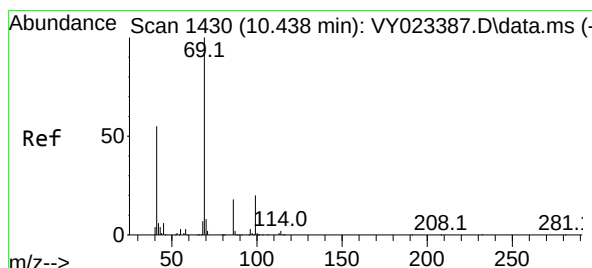
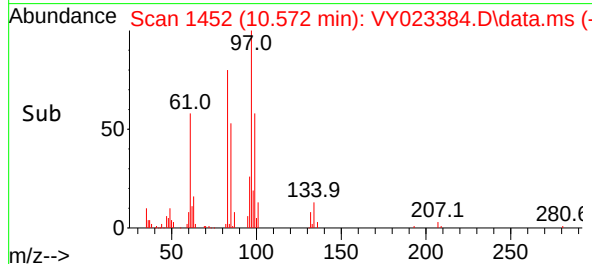
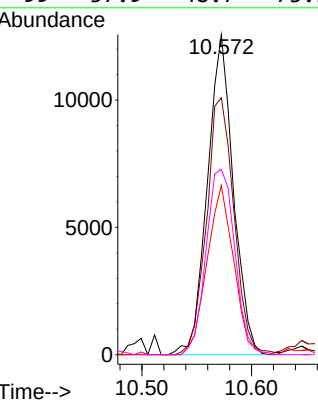
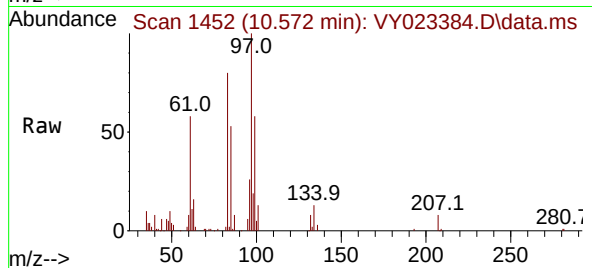
99 57.9 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#56

Ethyl methacrylate

Concen: 3.891 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

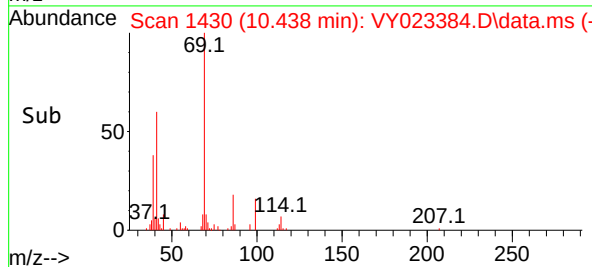
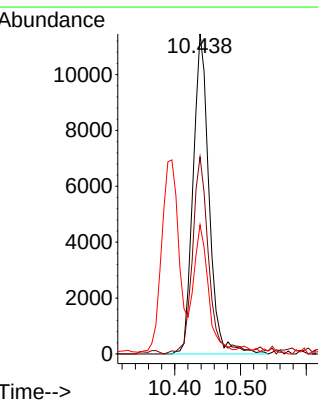
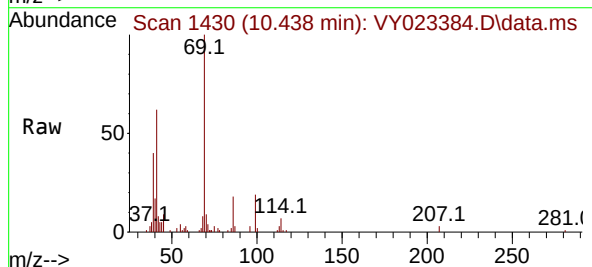
Tgt Ion: 69 Resp: 19324

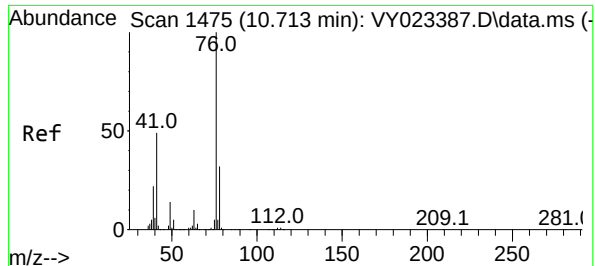
Ion Ratio Lower Upper

69 100

41 60.6 44.6 67.0

39 36.2 27.0 40.4





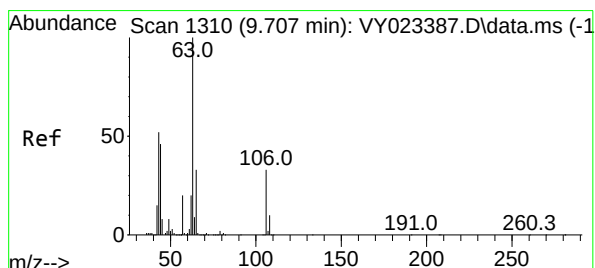
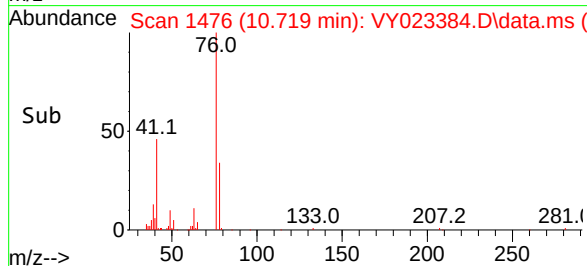
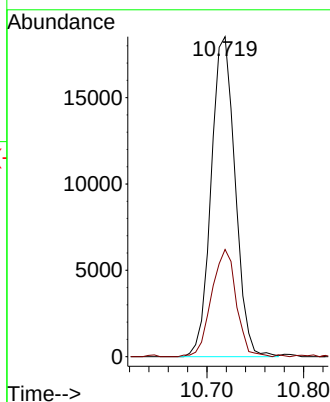
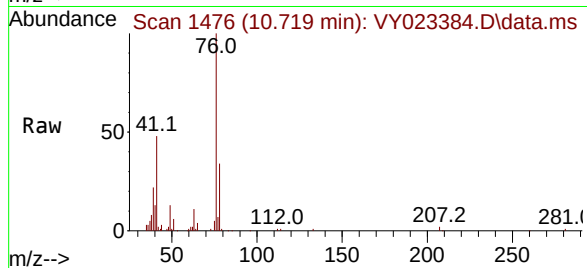
#57  
1,3-Dichloropropane  
Concen: 4.560 ug/l  
RT: 10.719 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

Tgt Ion: 76 Resp: 3183  
Ion Ratio Lower Upper  
76 100  
78 34.4 25.9 38.9

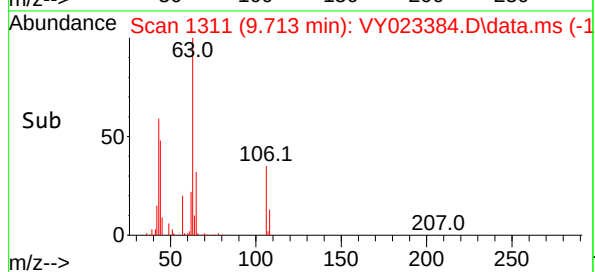
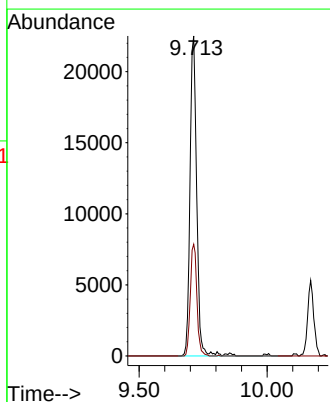
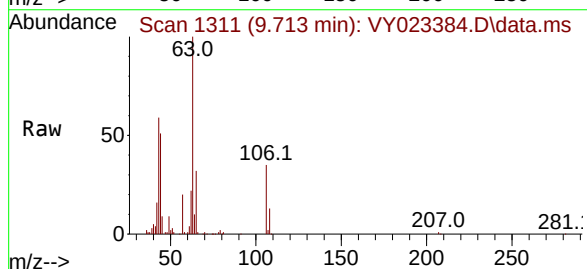
Manual Integrations  
APPROVED

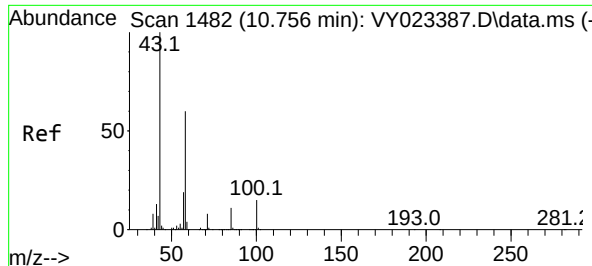
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#58  
2-Chloroethyl Vinyl ether  
Concen: 18.894 ug/l m  
RT: 9.713 min Scan# 1311  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

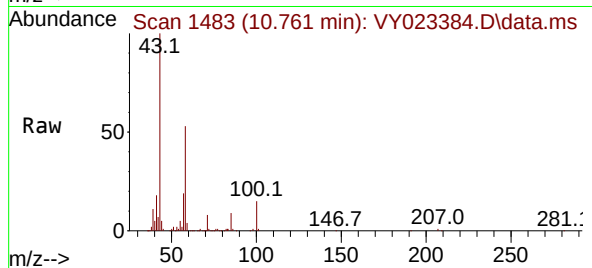
Tgt Ion: 63 Resp: 41054  
Ion Ratio Lower Upper  
63 100  
106 34.1 26.6 39.8





#59  
2-Hexanone  
Concen: 23.185 ug/l  
RT: 10.761 min Scan# 1482  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

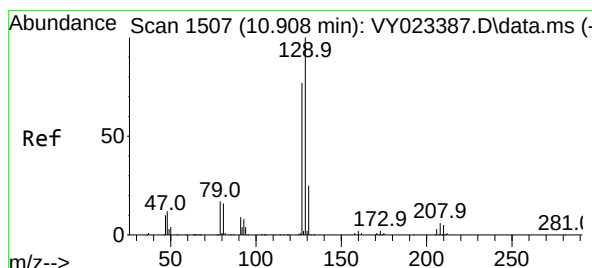
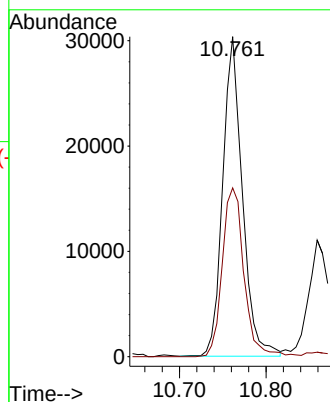
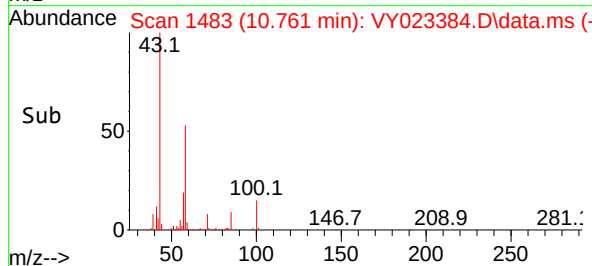
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005



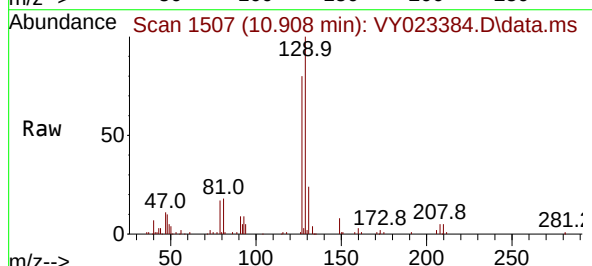
Tgt Ion: 43 Resp: 47778  
Ion Ratio Lower Upper  
43 100  
58 58.4 30.5 91.5

Manual Integrations  
APPROVED

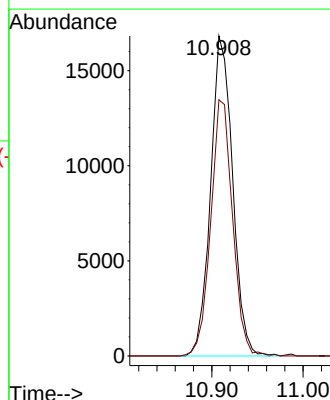
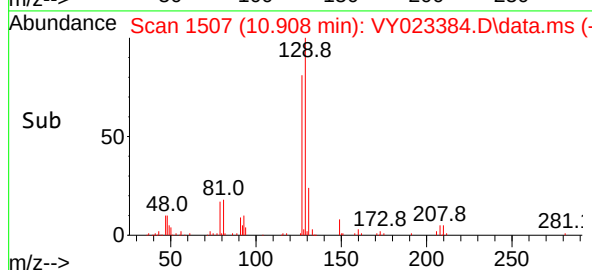
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

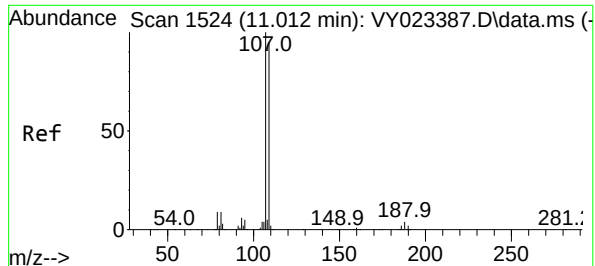


#60  
Dibromochloromethane  
Concen: 4.783 ug/l  
RT: 10.908 min Scan# 1507  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17



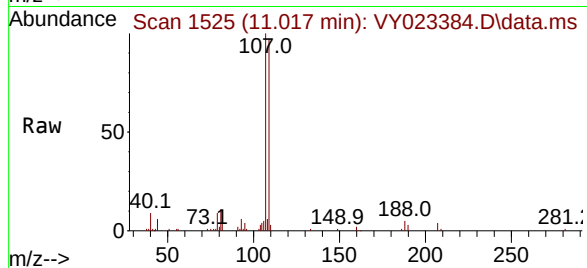
Tgt Ion:129 Resp: 28135  
Ion Ratio Lower Upper  
129 100  
127 79.7 38.6 115.7





#61  
1,2-Dibromoethane  
Concen: 4.673 ug/l  
RT: 11.017 min Scan# 1524  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

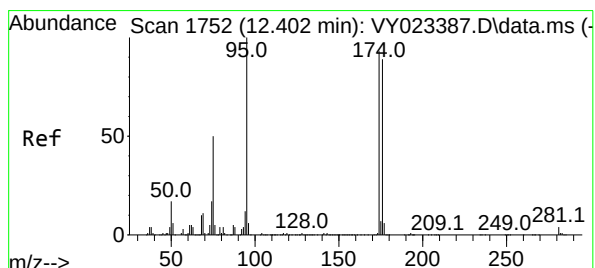
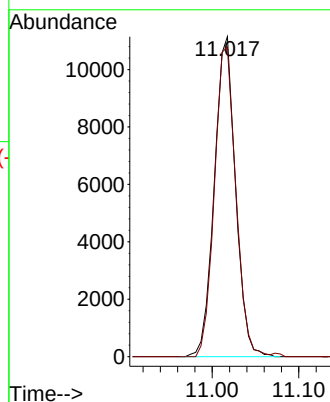
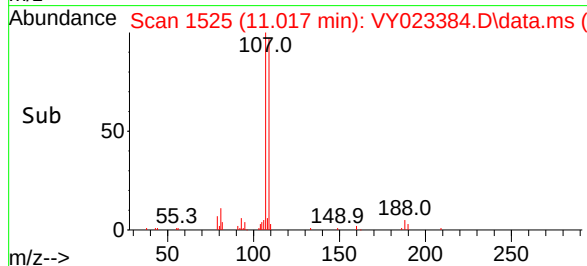
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005



Tgt Ion:107 Resp: 1895  
Ion Ratio Lower Upper  
107 100  
109 97.6 76.1 114.1

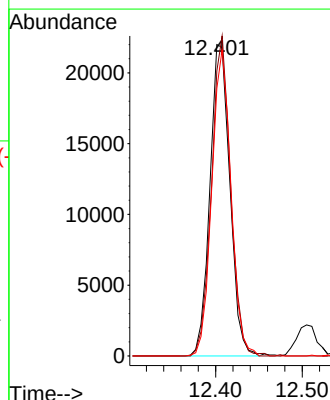
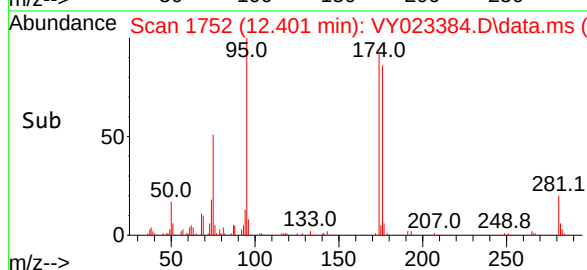
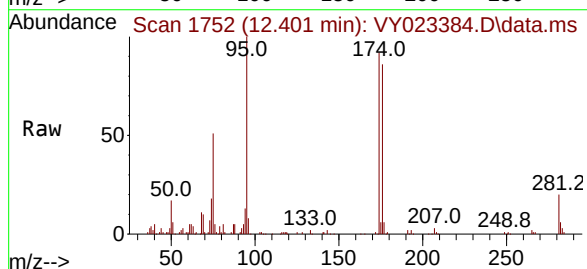
Manual Integrations  
APPROVED

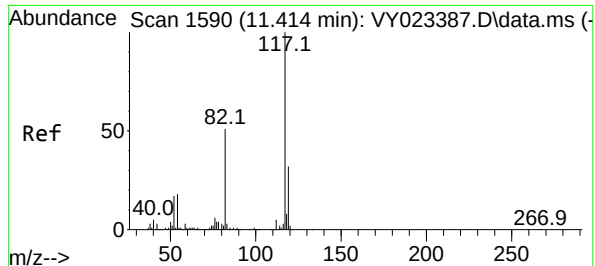
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#62  
4-Bromofluorobenzene  
Concen: 5.548 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

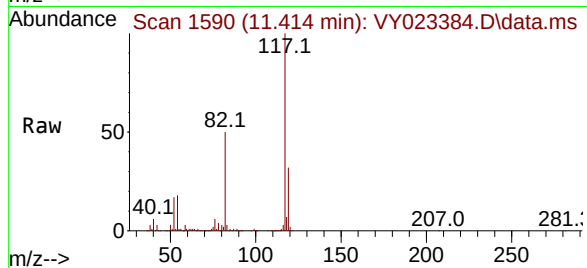
Tgt Ion: 95 Resp: 35355  
Ion Ratio Lower Upper  
95 100  
174 97.9 0.0 192.8  
176 94.0 0.0 187.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

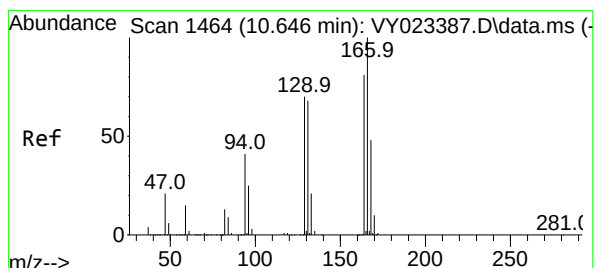
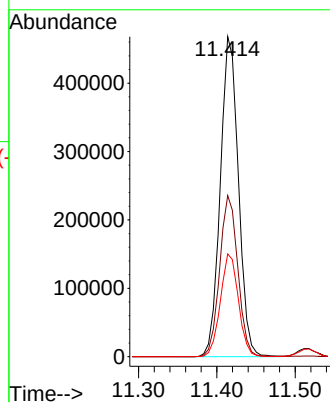
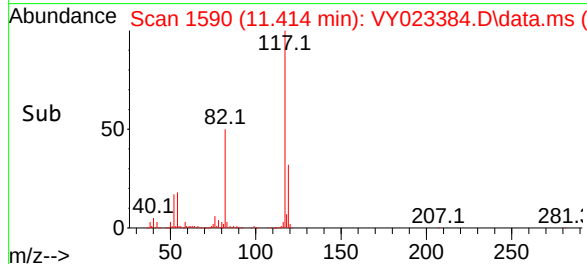
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005



Tgt Ion:117 Resp: 753398  
Ion Ratio Lower Upper  
117 100  
82 50.3 41.0 61.4  
119 32.1 25.6 38.4

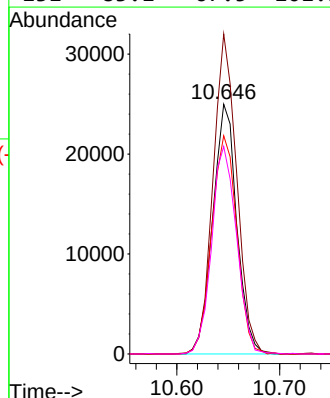
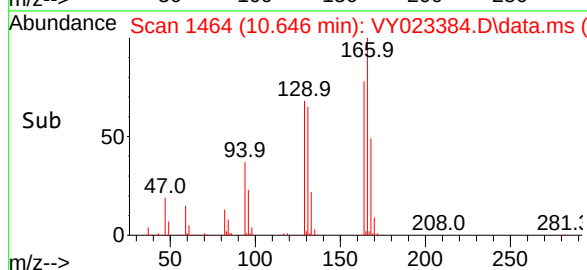
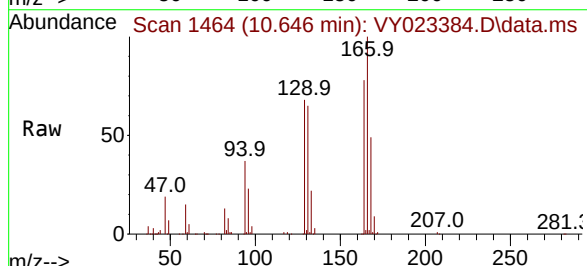
Manual Integrations  
APPROVED

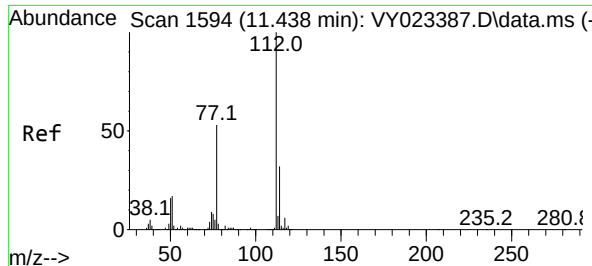
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#64  
Tetrachloroethene  
Concen: 5.383 ug/l  
RT: 10.646 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

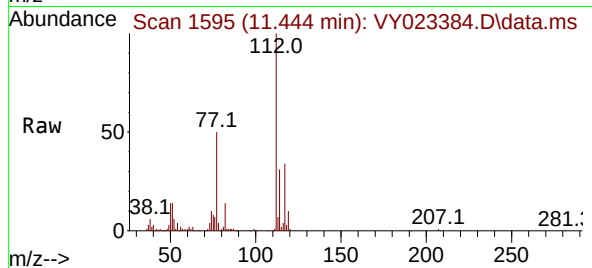
Tgt Ion:164 Resp: 40570  
Ion Ratio Lower Upper  
164 100  
166 128.1 99.4 149.0  
129 87.4 69.4 104.2  
131 83.1 67.5 101.3





#65  
Chlorobenzene  
Concen: 4.997 ug/l  
RT: 11.444 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

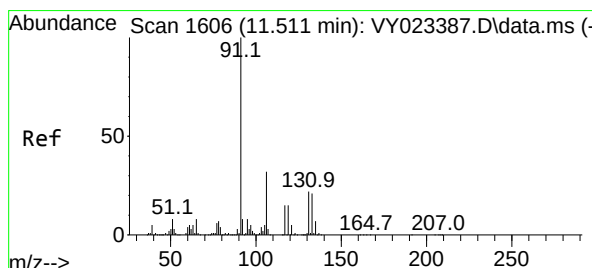
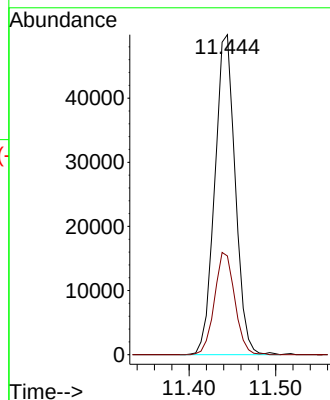
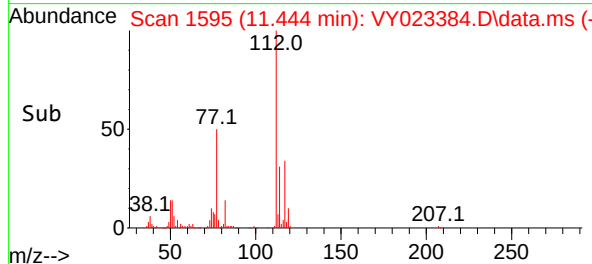
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005



Tgt Ion:112 Resp: 8180  
Ion Ratio Lower Upper  
112 100  
114 30.8 25.6 38.4

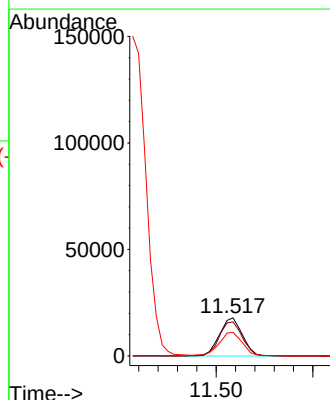
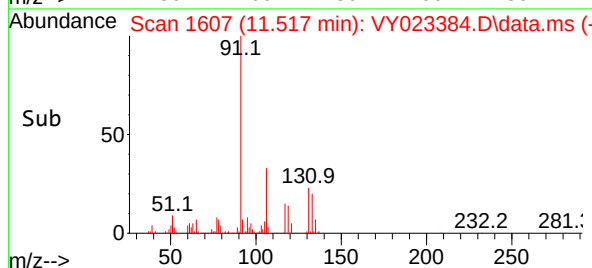
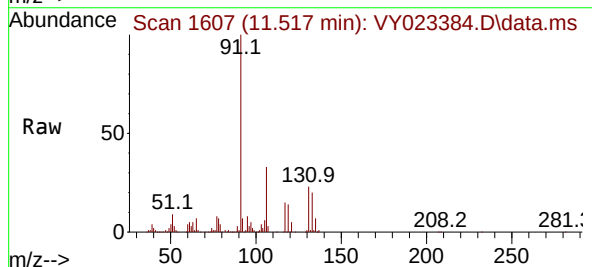
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

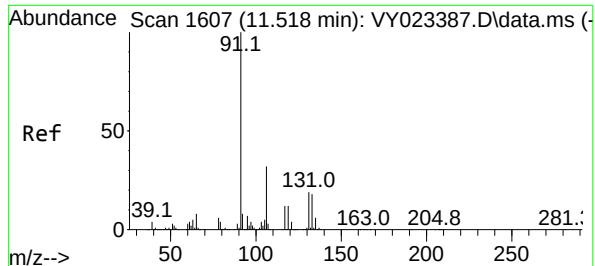


#66  
1,1,1,2-Tetrachloroethane  
Concen: 5.075 ug/l  
RT: 11.517 min Scan# 1607  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Tgt Ion:131 Resp: 29222  
Ion Ratio Lower Upper  
131 100  
133 91.7 48.4 145.2  
119 64.1 32.4 97.2







#67

Ethyl Benzene

Concen: 4.529 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 12100

Ion Ratio Lower Upper

91 100

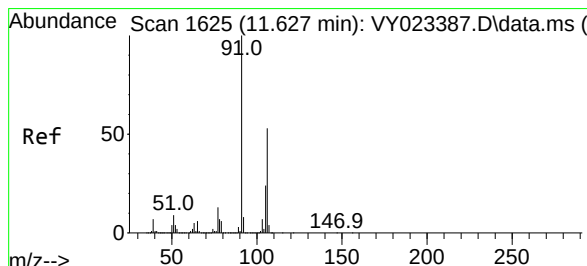
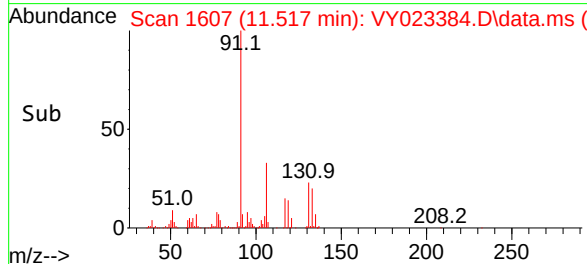
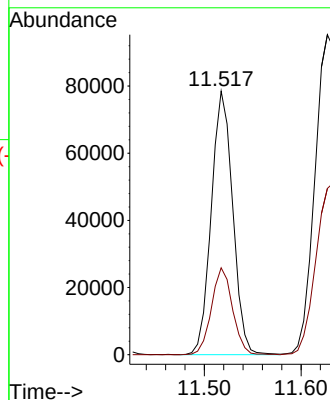
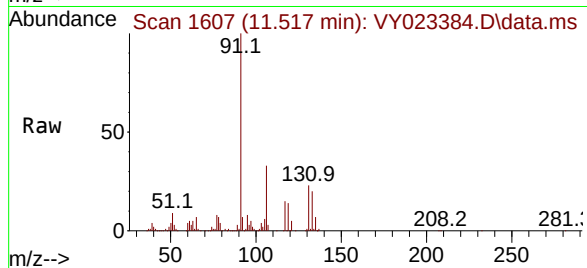
106 33.0 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#68

m/p-Xylenes

Concen: 8.887 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY023384.D

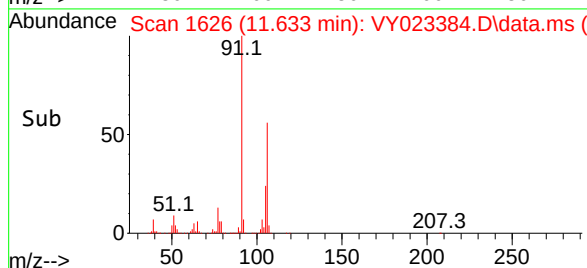
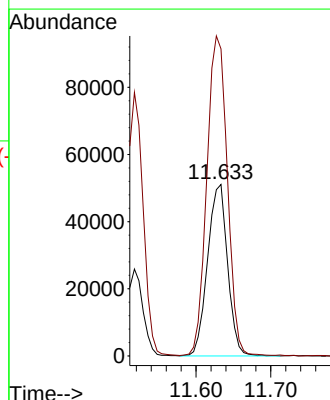
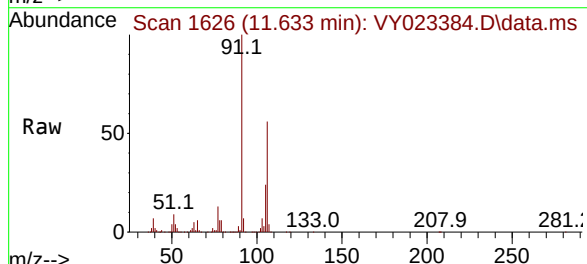
Acq: 07 Oct 2025 09:17

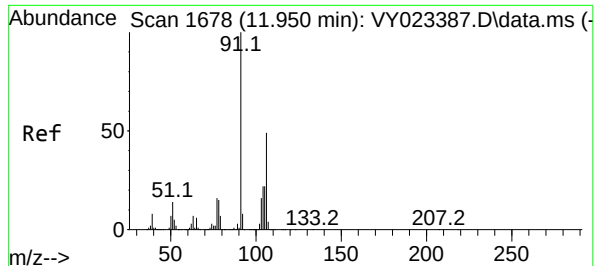
Tgt Ion:106 Resp: 95176

Ion Ratio Lower Upper

106 100

91 190.5 152.6 229.0





#69

o-Xylene

Concen: 4.466 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 44280

Ion Ratio Lower Upper

106 100

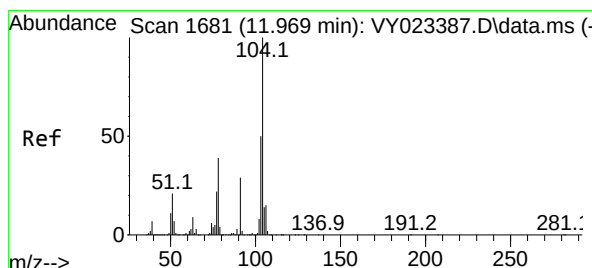
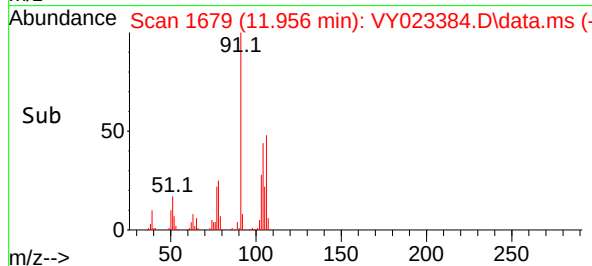
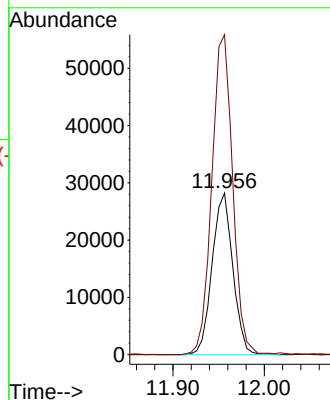
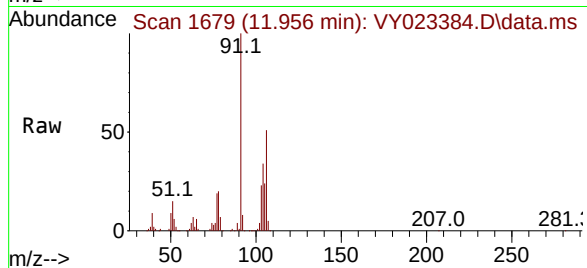
91 199.7 101.4 304.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#70

Styrene

Concen: 4.152 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

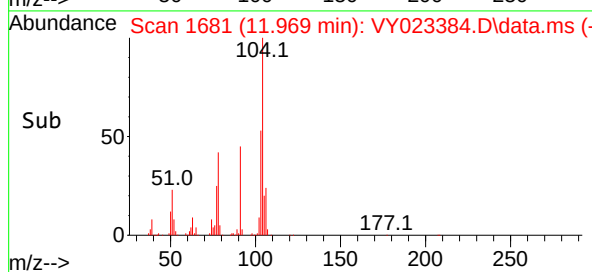
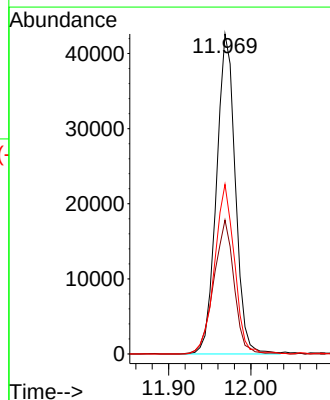
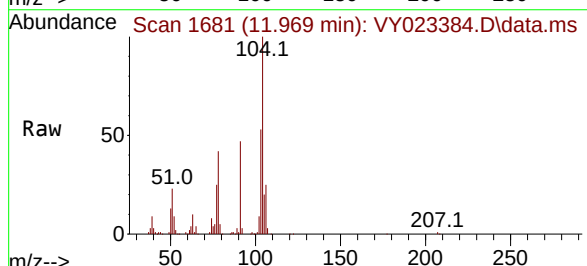
Tgt Ion:104 Resp: 67960

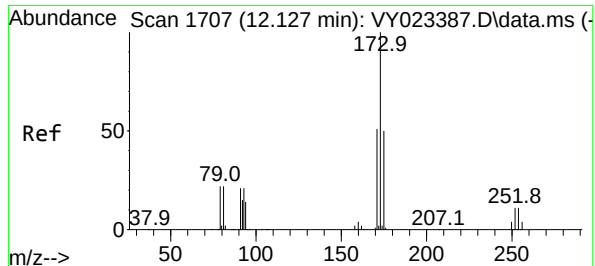
Ion Ratio Lower Upper

104 100

78 45.1 36.1 54.1

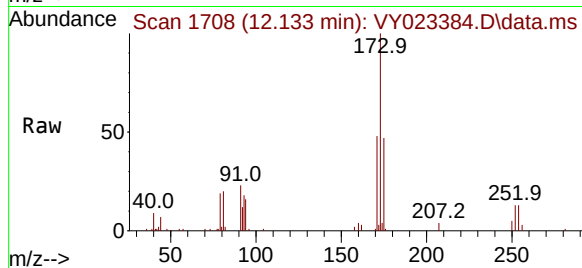
103 55.9 43.2 64.8





#71  
Bromoform  
Concen: 4.929 ug/l  
RT: 12.133 min Scan# 1708  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

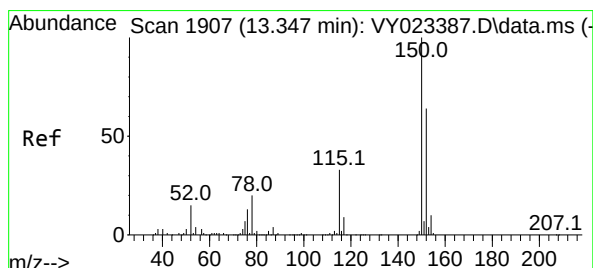
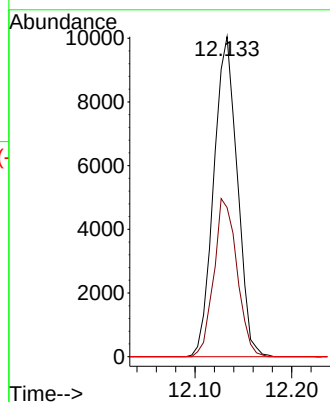
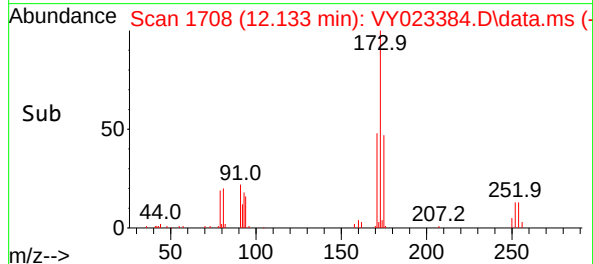
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005



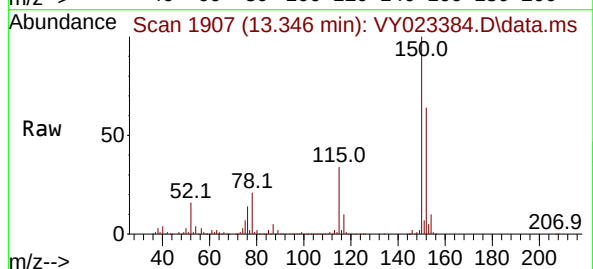
Tgt Ion:173 Resp: 16988  
Ion Ratio Lower Upper  
173 100  
175 48.5 24.8 74.3  
254 0.0 0.1 0.1

Manual Integrations  
APPROVED

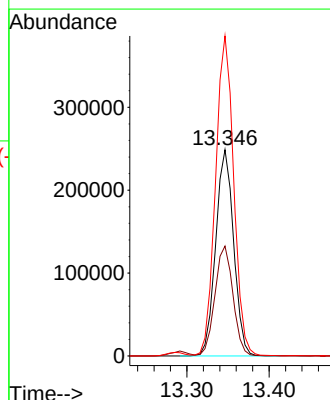
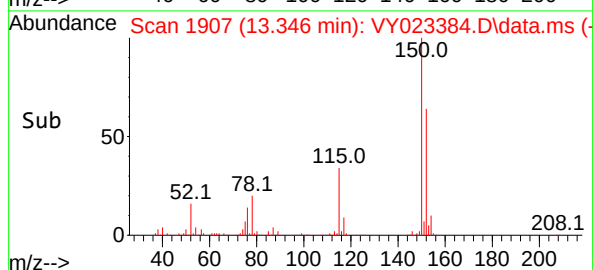
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

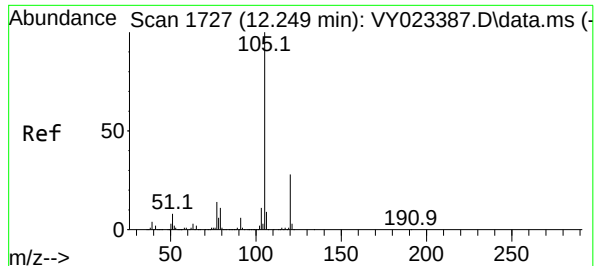


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17



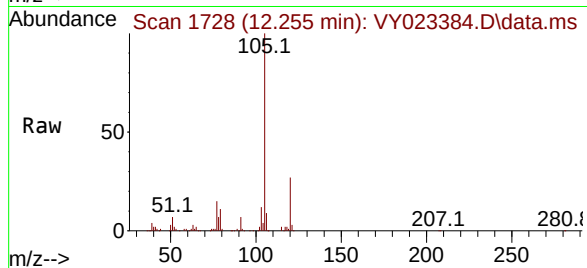
Tgt Ion:152 Resp: 378104  
Ion Ratio Lower Upper  
152 100  
115 53.5 27.1 81.2  
150 156.6 0.0 347.4





#73  
Isopropylbenzene  
Concen: 4.455 ug/l  
RT: 12.255 min Scan# 1727  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

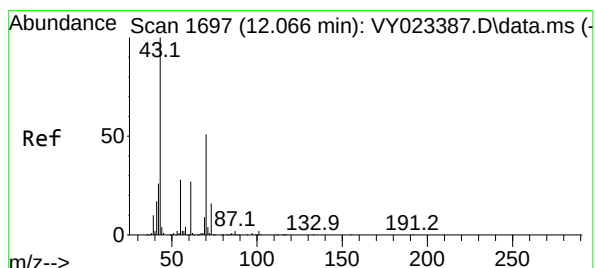
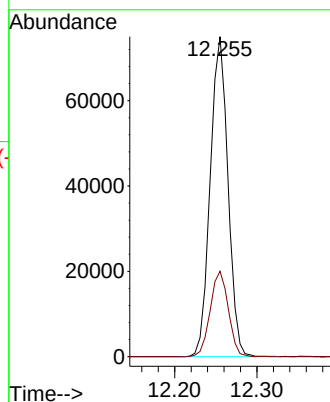
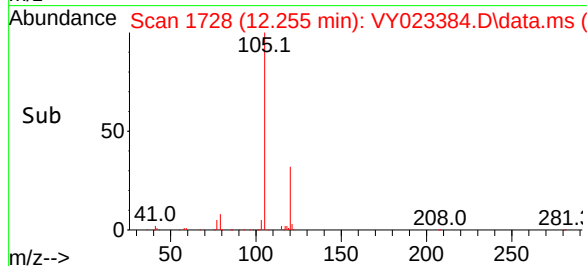
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005



Tgt Ion:105 Resp: 112194  
Ion Ratio Lower Upper  
105 100  
120 27.2 13.9 41.7

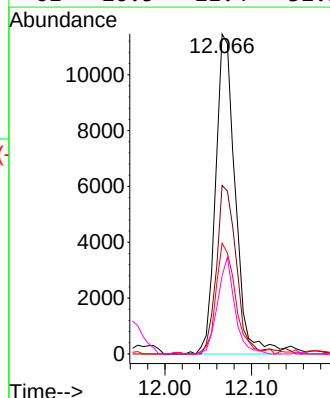
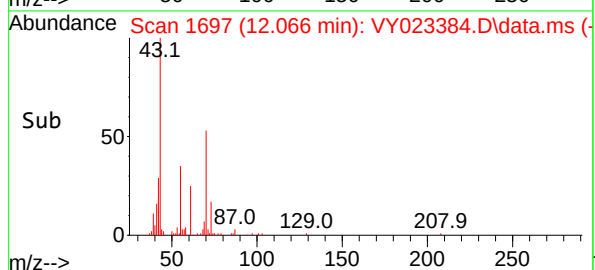
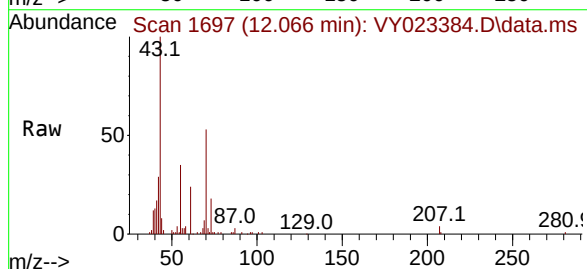
Manual Integrations  
APPROVED

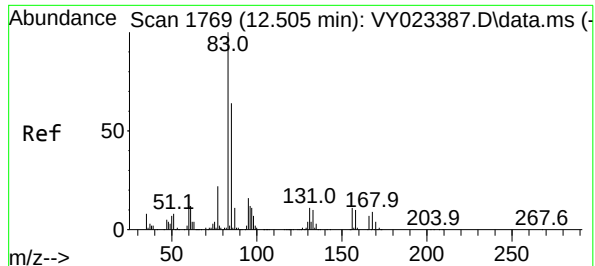
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#74  
N-ethyl acetate  
Concen: 3.833 ug/l  
RT: 12.066 min Scan# 1697  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 18041  
Ion Ratio Lower Upper  
43 100  
70 53.0 41.1 61.7  
55 35.3 23.0 34.6#  
61 26.5 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.773 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

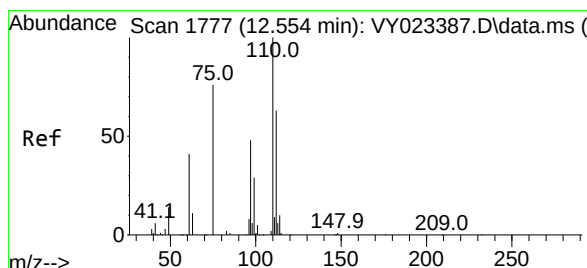
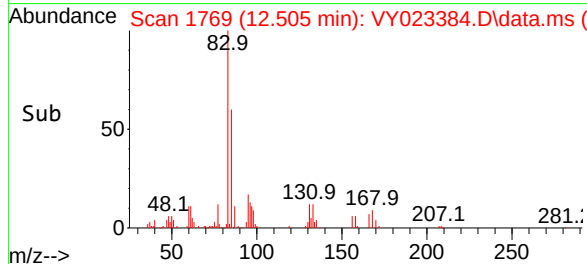
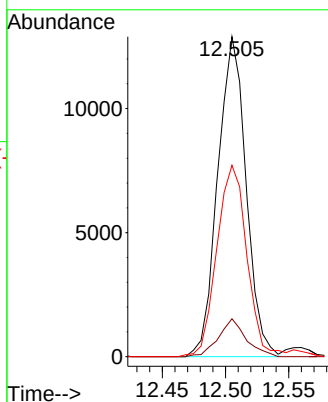
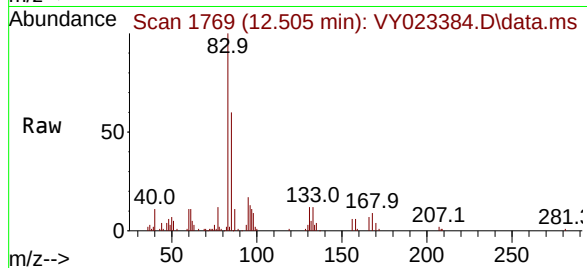
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 2005  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 11.6  | 5.9   | 17.6  |
| 85       | 63.4  | 31.8  | 95.3  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#76

1,2,3-Trichloropropane

Concen: 4.118 ug/l m

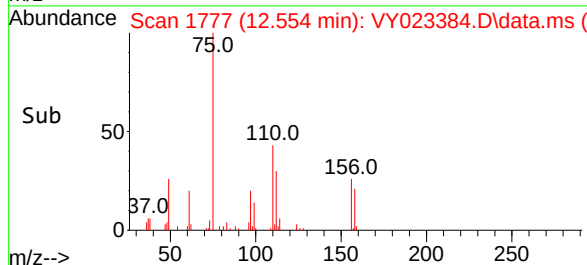
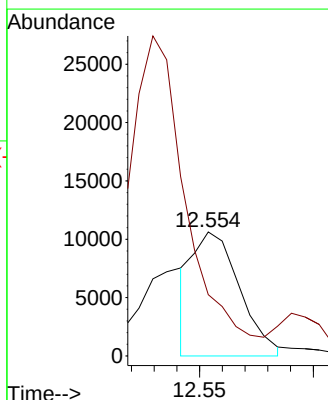
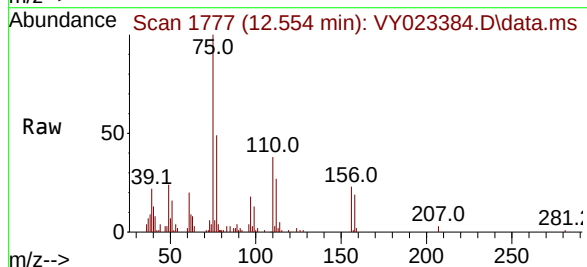
RT: 12.554 min Scan# 1777

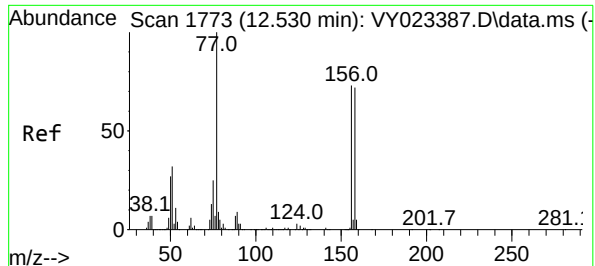
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 15359 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 4.967 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

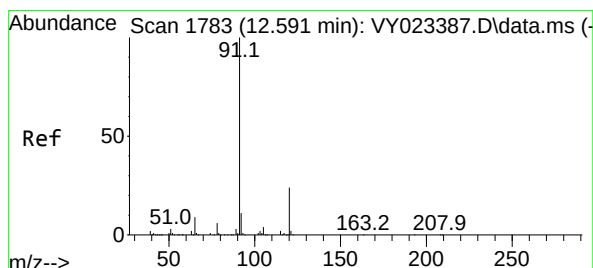
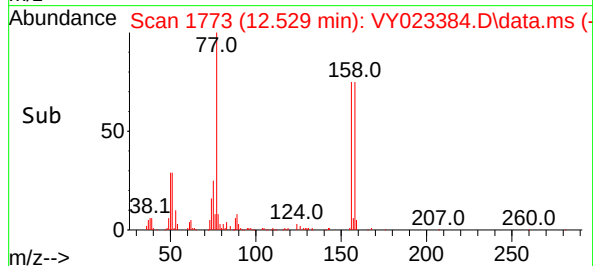
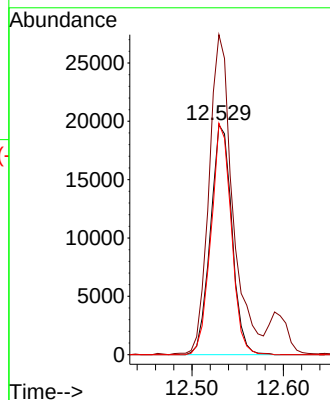
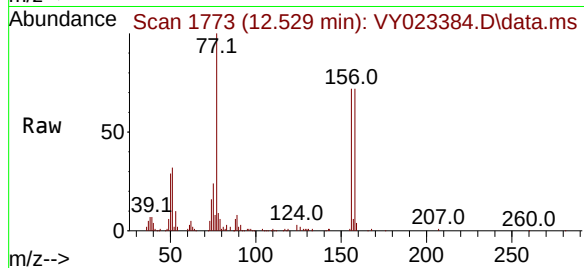
VSTDICC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 32100 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 154.2 | 76.8  | 230.5 |
| 158       | 95.0  | 49.0  | 147.2 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#78

n-propylbenzene

Concen: 4.305 ug/l

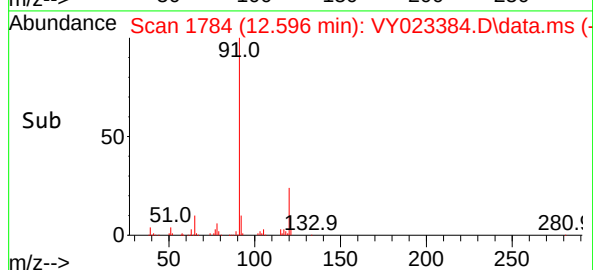
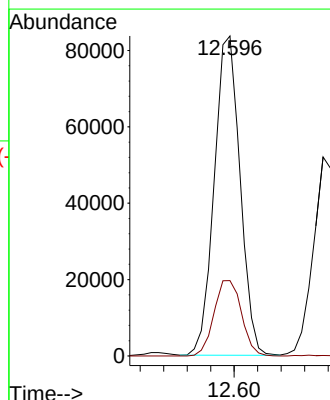
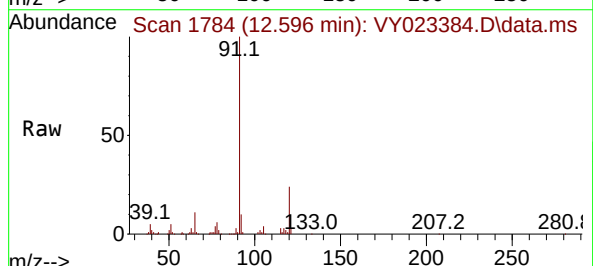
RT: 12.596 min Scan# 1784

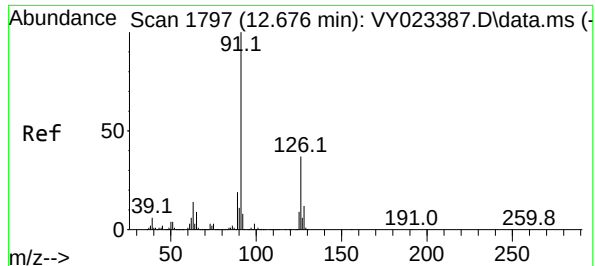
Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 127521 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 25.1  | 12.3  | 36.8   |





#79

2-Chlorotoluene

Concen: 4.631 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 79199

Ion Ratio Lower Upper

91 100

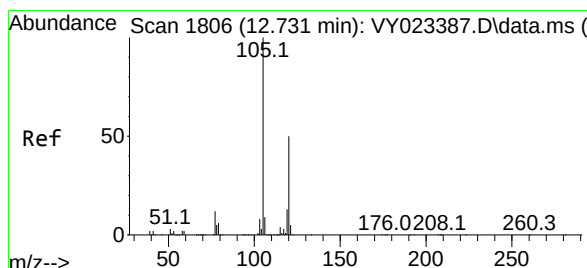
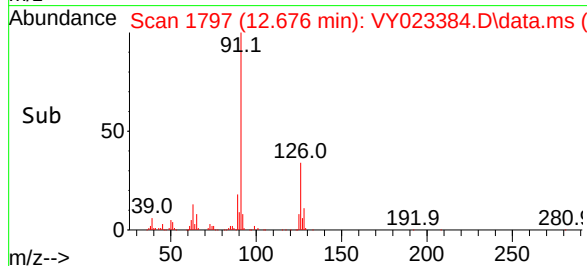
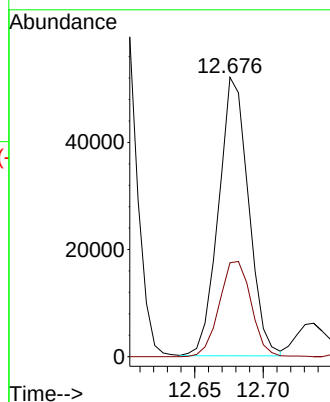
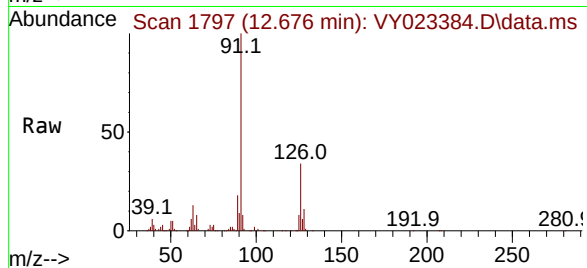
126 36.4 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.264 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023384.D

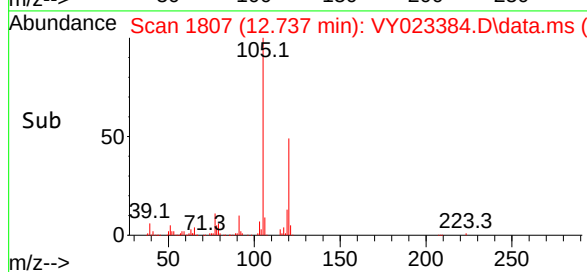
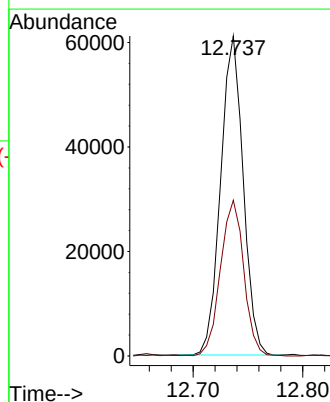
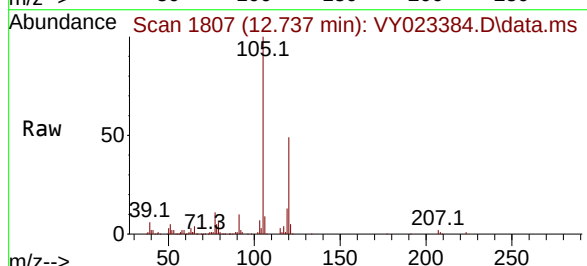
Acq: 07 Oct 2025 09:17

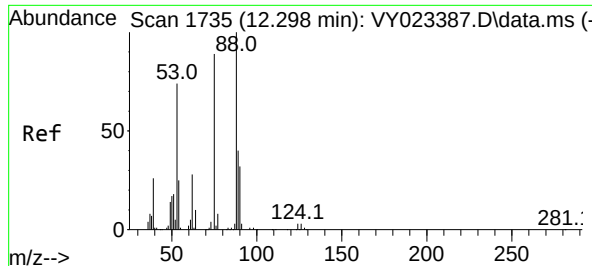
Tgt Ion:105 Resp: 87297

Ion Ratio Lower Upper

105 100

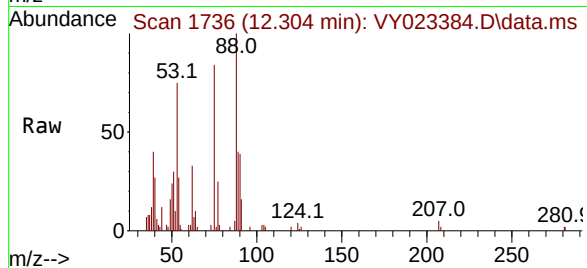
120 50.6 25.4 76.4





#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.680 ug/l  
RT: 12.304 min Scan# 1735  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

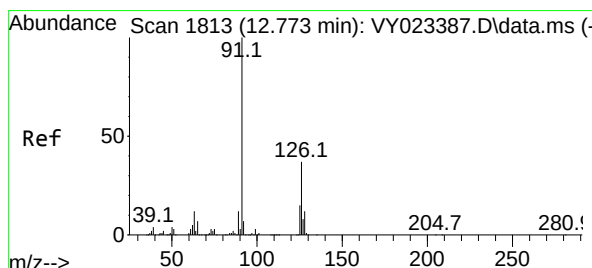
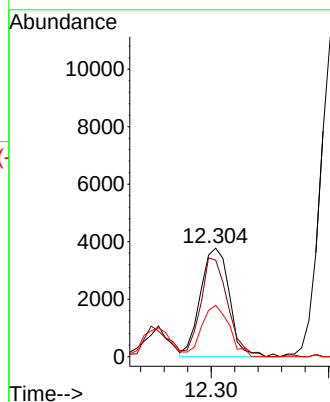
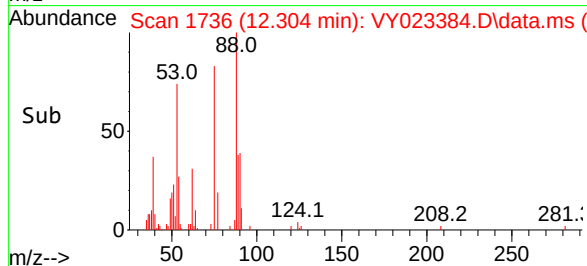
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005



Tgt Ion: 75 Resp: 6474  
Ion Ratio Lower Upper  
75 100  
53 85.6 68.6 102.8  
89 44.4 39.0 58.4

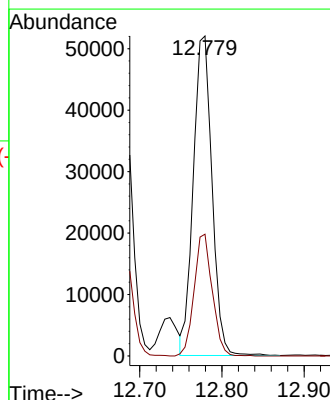
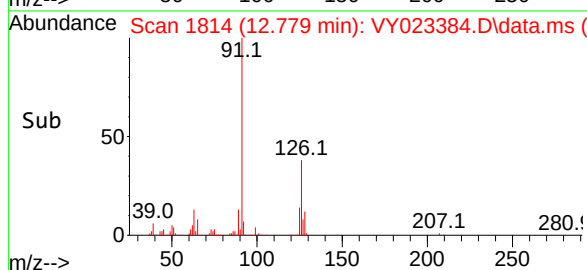
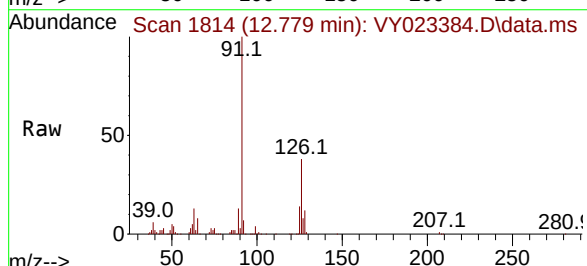
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

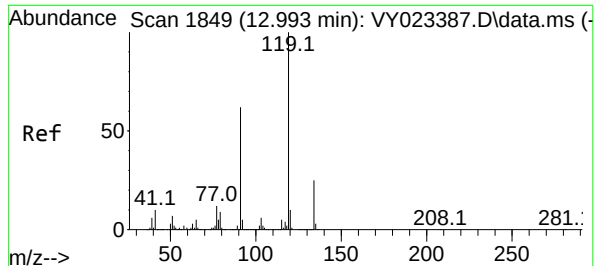


#82  
4-Chlorotoluene  
Concen: 4.600 ug/l  
RT: 12.779 min Scan# 1814  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 82155  
Ion Ratio Lower Upper  
91 100  
126 36.9 18.4 55.4







#83

tert-Butylbenzene

Concen: 4.457 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023384.D

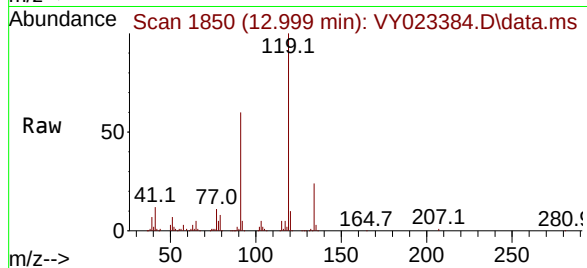
Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC005



Tgt Ion:119 Resp: 8315

Ion Ratio Lower Upper

119 100

91 60.0 29.9 89.8

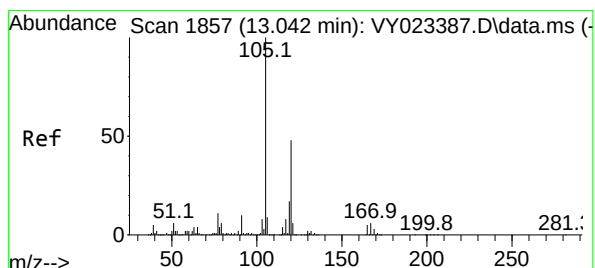
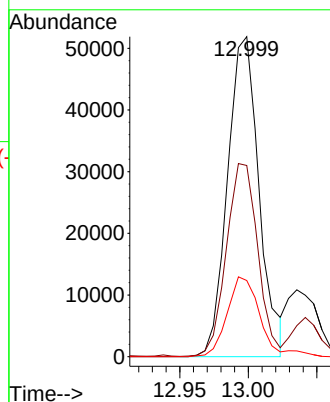
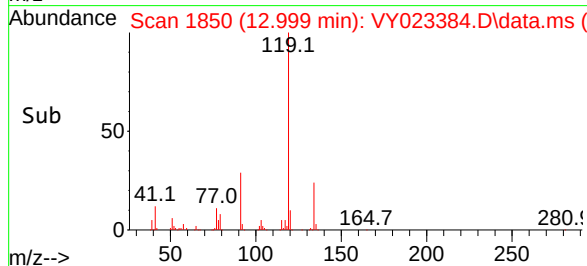
134 26.2 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.294 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY023384.D

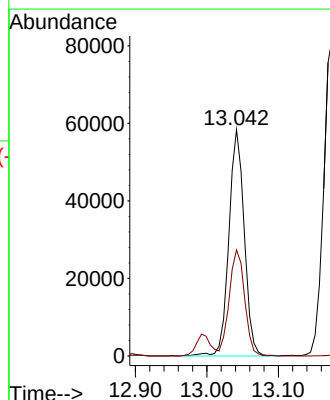
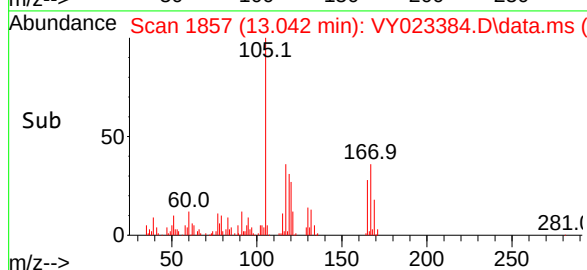
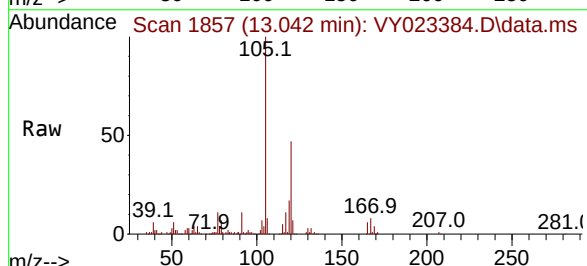
Acq: 07 Oct 2025 09:17

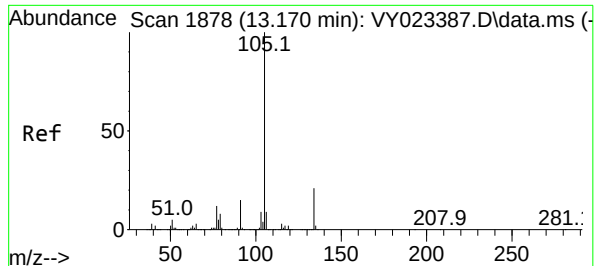
Tgt Ion:105 Resp: 86988

Ion Ratio Lower Upper

105 100

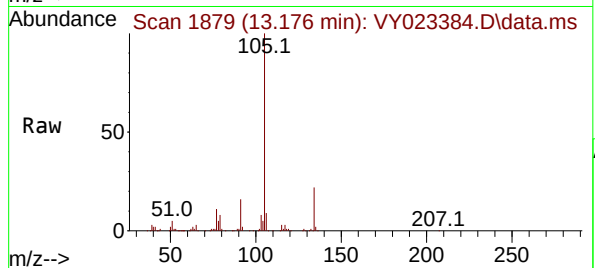
120 46.8 23.8 71.2





#85  
sec-Butylbenzene  
Concen: 4.443 ug/l  
RT: 13.176 min Scan# 1878  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

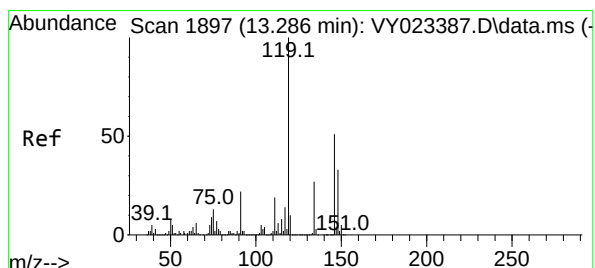
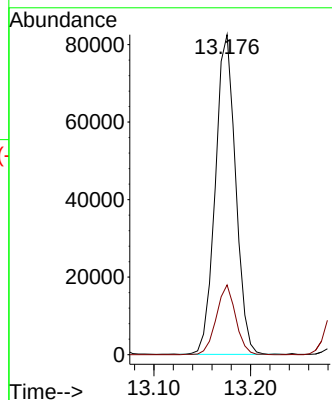
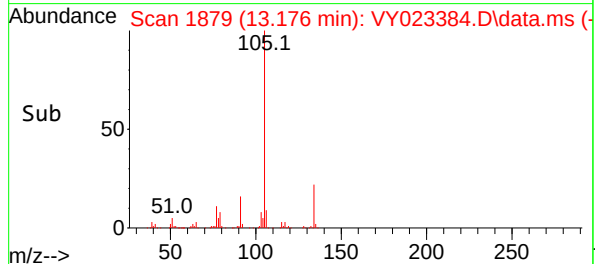
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005



Tgt Ion:105 Resp: 12006  
Ion Ratio Lower Upper  
105 100  
134 20.9 10.7 32.1

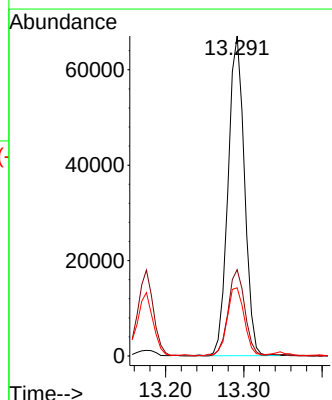
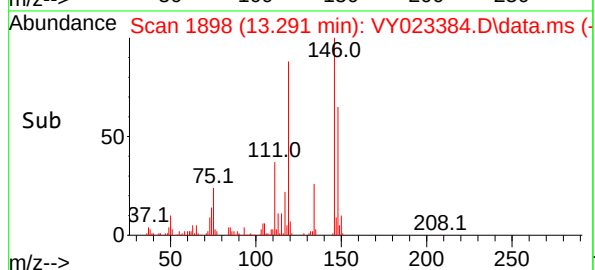
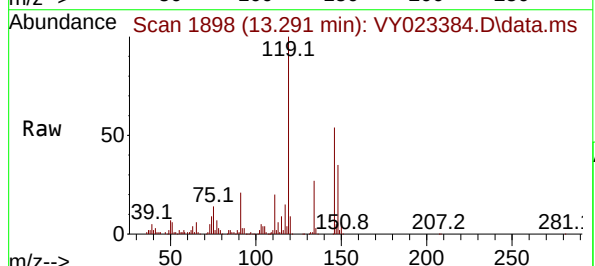
Manual Integrations  
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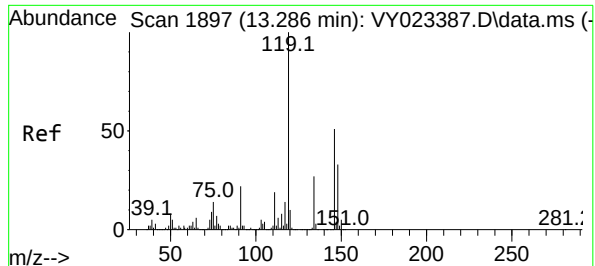
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#86  
p-Isopropyltoluene  
Concen: 4.264 ug/l  
RT: 13.291 min Scan# 1898  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Tgt Ion:119 Resp: 97377  
Ion Ratio Lower Upper  
119 100  
134 27.5 13.6 40.7  
91 22.7 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 4.936 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

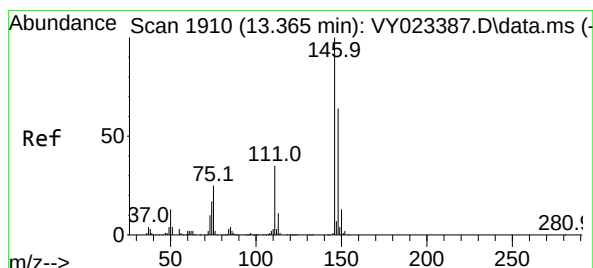
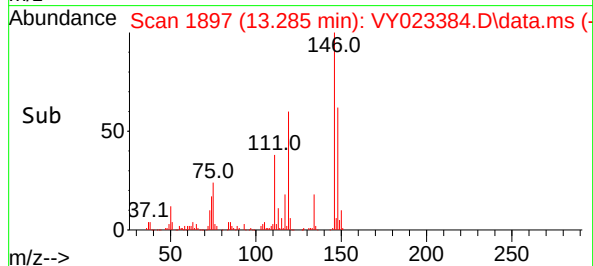
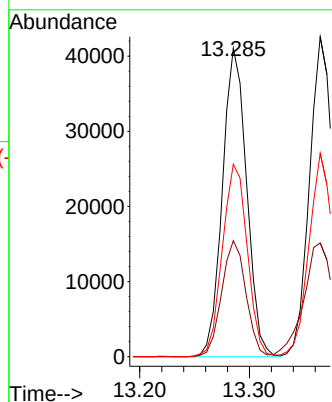
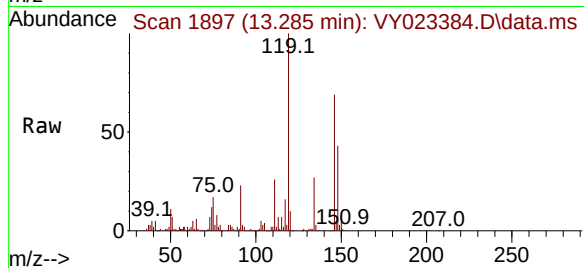
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 6302  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 37.5  | 18.7  | 56.1  |
| 148      | 64.1  | 31.9  | 95.9  |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#88

1,4-Dichlorobenzene

Concen: 5.085 ug/l

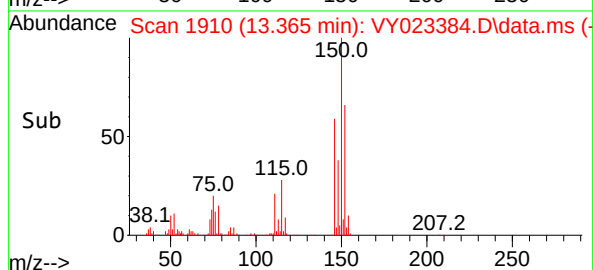
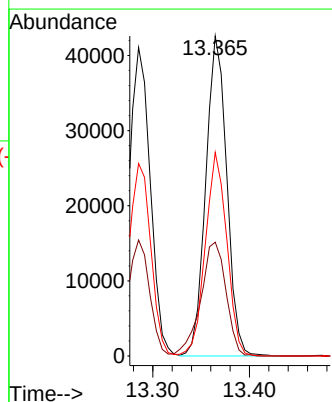
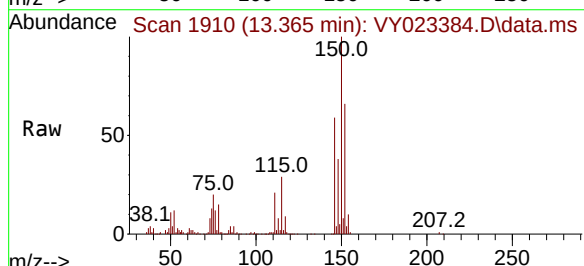
RT: 13.365 min Scan# 1910

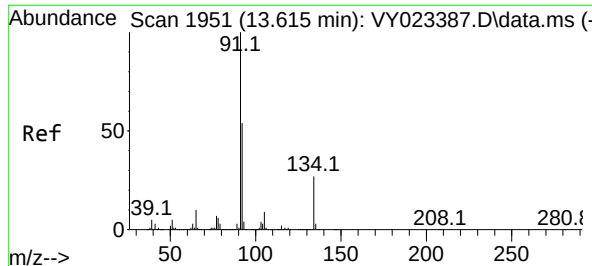
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 64389 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 43.0  | 18.0  | 54.0  |
| 148      | 65.1  | 31.9  | 95.7  |





#89

n-Butylbenzene

Concen: 4.274 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

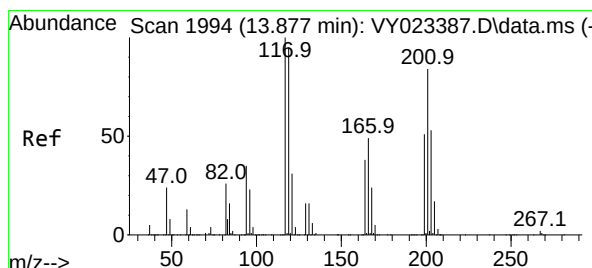
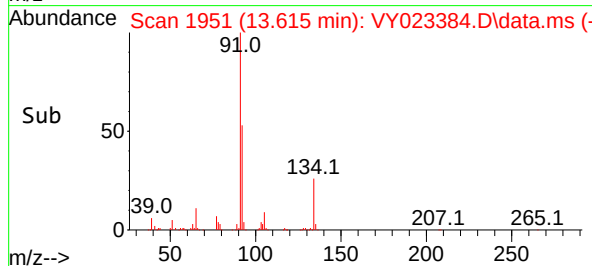
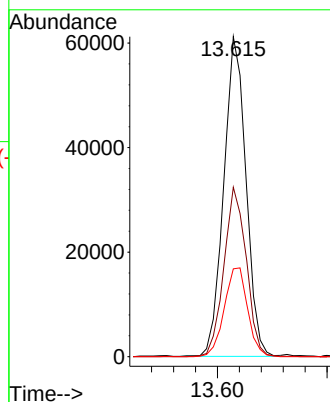
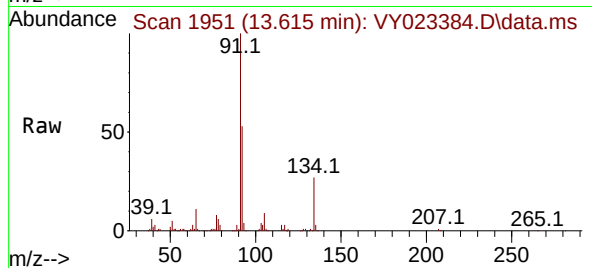
VSTDICC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 86179 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 53.3  | 27.0  | 80.8  |
| 134      | 29.2  | 14.1  | 42.2  |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#90

Hexachloroethane

Concen: 5.084 ug/l

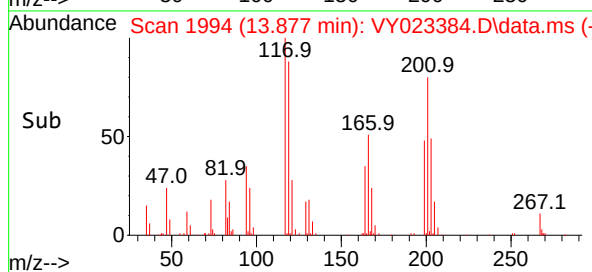
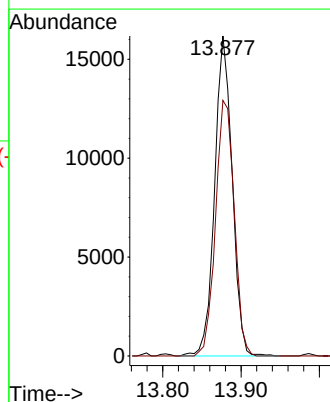
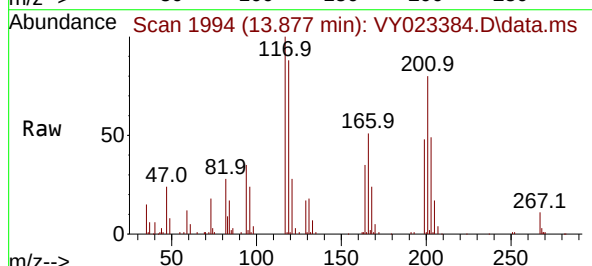
RT: 13.877 min Scan# 1994

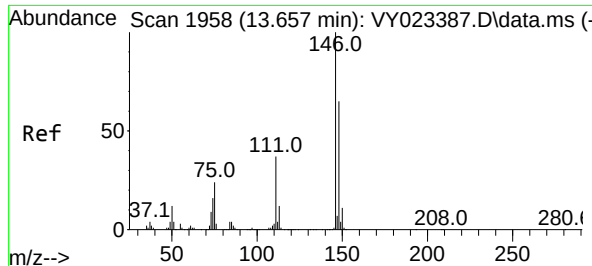
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

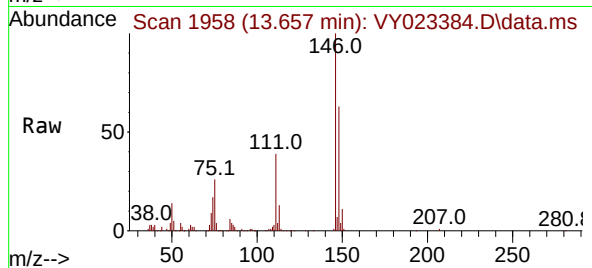
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 25204 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 84.7  | 43.8  | 131.4 |





#91  
1,2-Dichlorobenzene  
Concen: 5.041 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

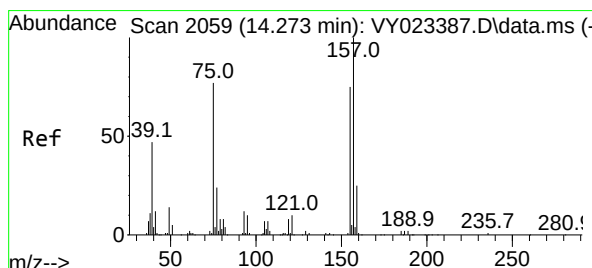
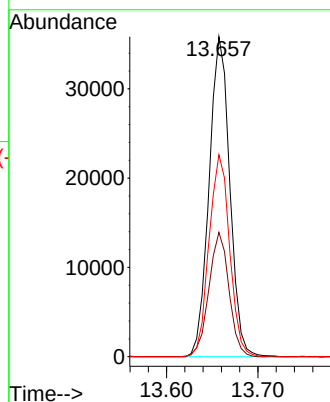
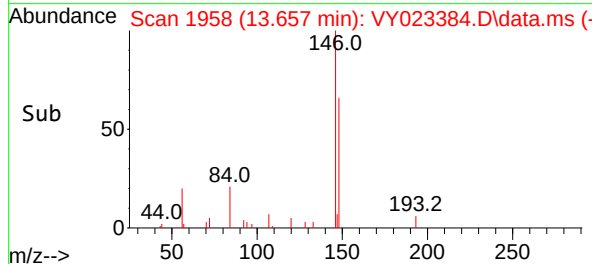
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005



Tgt Ion:146 Resp: 5616  
Ion Ratio Lower Upper  
146 100  
111 37.8 19.0 57.0  
148 63.0 32.1 96.3

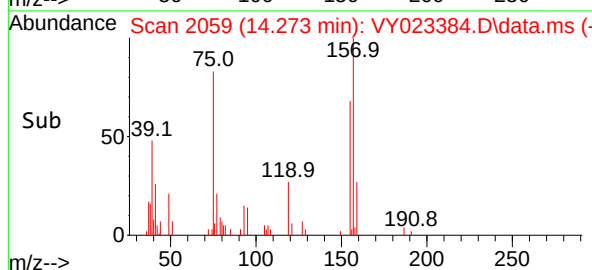
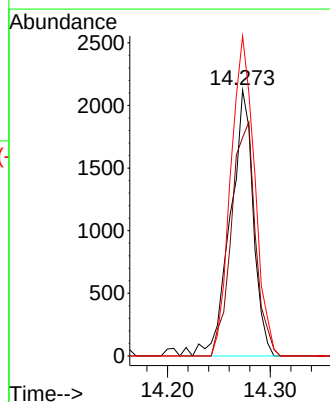
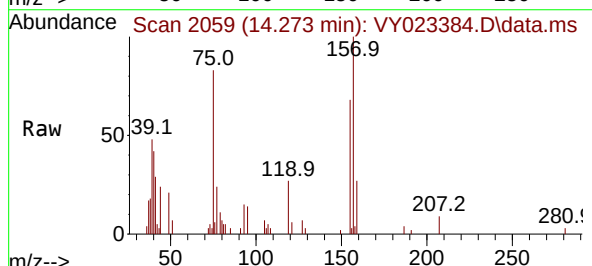
Manual Integrations  
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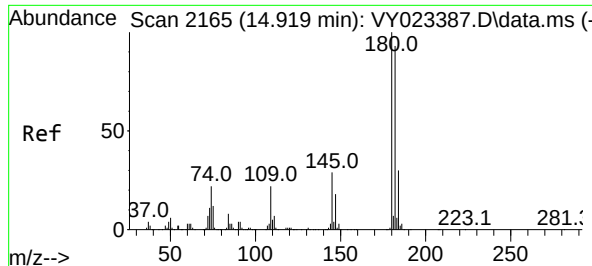
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 4.964 ug/l  
RT: 14.273 min Scan# 2059  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 3305  
Ion Ratio Lower Upper  
75 100  
155 91.7 50.0 150.0  
157 124.4 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 4.875 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA\_Y

ClientSampleId :

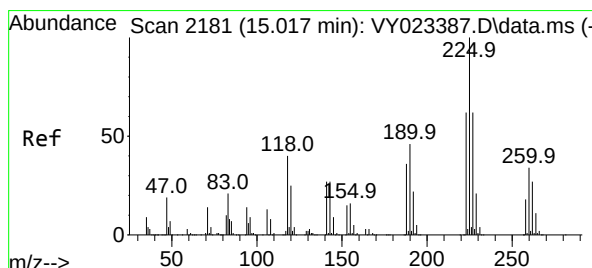
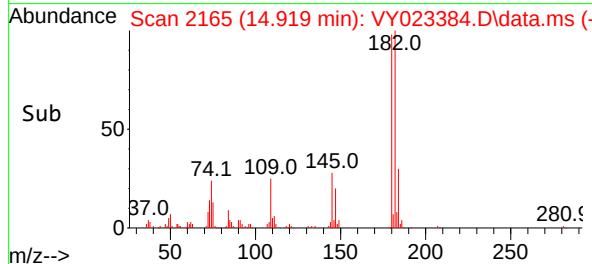
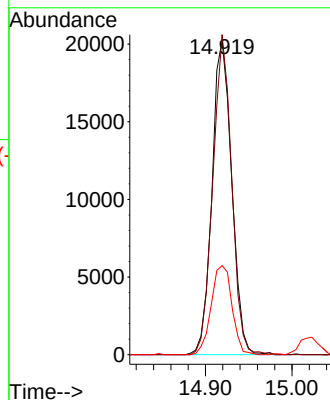
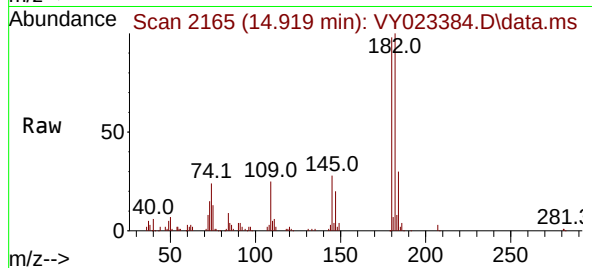
VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 32000 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.1  | 47.9  | 143.6 |
| 145       | 29.9  | 14.7  | 44.1  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#94

Hexachlorobutadiene

Concen: 5.456 ug/l

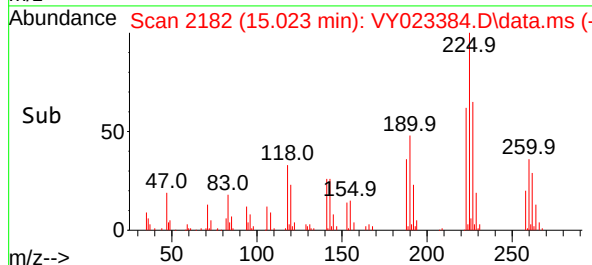
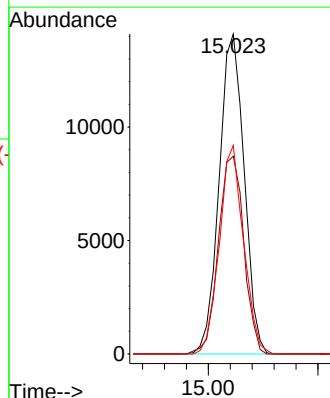
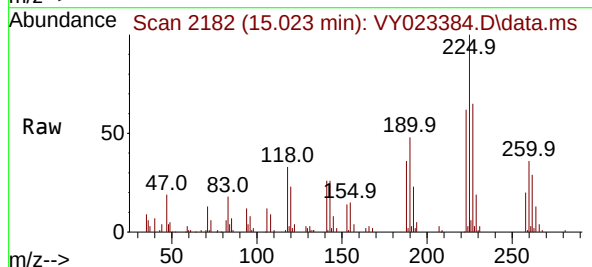
RT: 15.023 min Scan# 2182

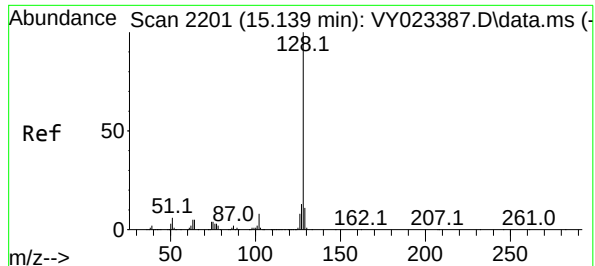
Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

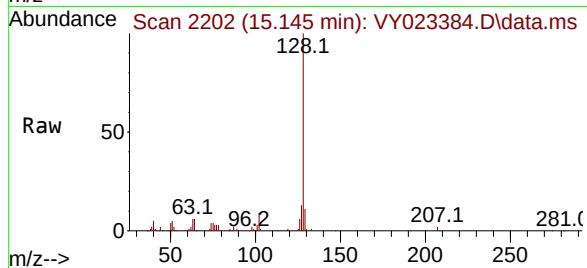
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 22316 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.8  | 30.8  | 92.3  |
| 227       | 63.1  | 31.9  | 95.7  |





#95  
Naphthalene  
Concen: 4.360 ug/l  
RT: 15.145 min Scan# 2201  
Delta R.T. 0.006 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17

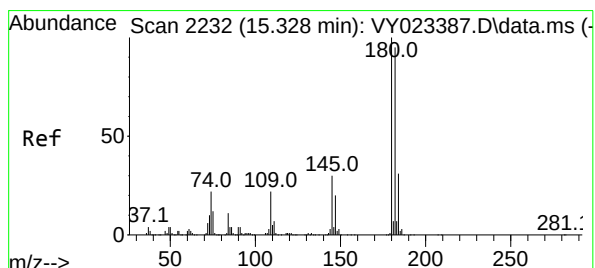
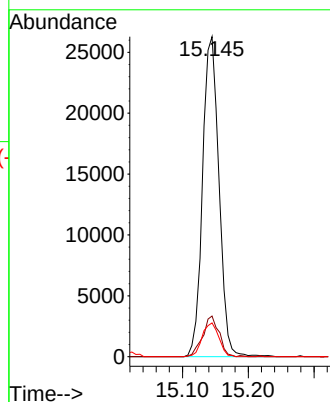
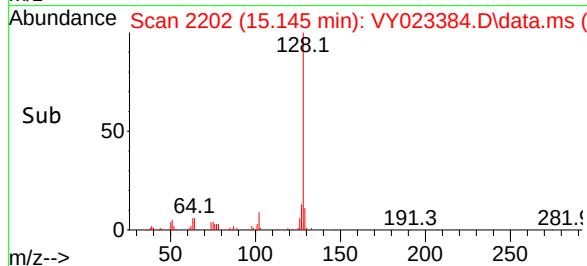
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005



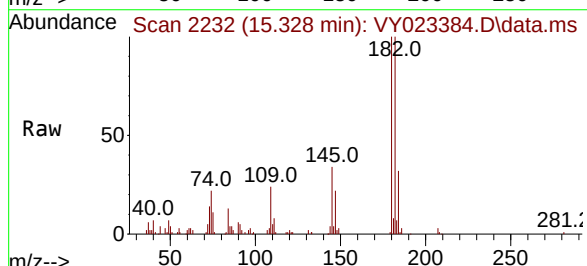
Tgt Ion:128 Resp: 45598  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.4 15.6  
129 10.7 8.9 13.3

Manual Integrations  
APPROVED

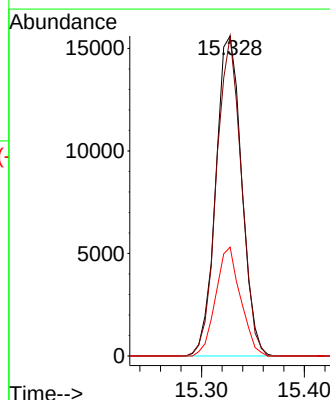
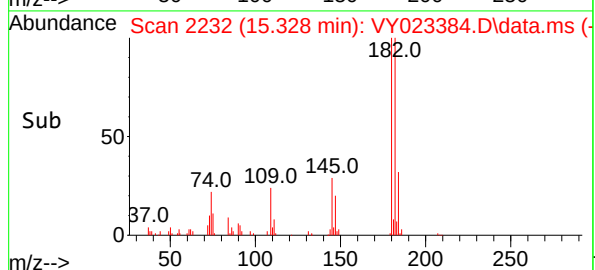
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#96  
1,2,3-Trichlorobenzene  
Concen: 4.772 ug/l  
RT: 15.328 min Scan# 2232  
Delta R.T. -0.000 min  
Lab File: VY023384.D  
Acq: 07 Oct 2025 09:17



Tgt Ion:180 Resp: 27176  
Ion Ratio Lower Upper  
180 100  
182 96.3 47.9 143.8  
145 32.7 15.3 45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023385.D  
 Acq On : 07 Oct 2025 10:02  
 Operator : SY/MD  
 Sample : VSTDICC010  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC010

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 559828     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.615          | 114  | 847077     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 736152     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 374998     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.067          | 65   | 48826      | 10.071   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 20.140%# |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 53279      | 10.364   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 20.720%# |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 198242     | 10.225   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 20.460%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.401         | 95   | 62601      | 10.235   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 20.460%# |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 44666      | 10.129   | ug/l   | 97       |
| 3) Chloromethane             | 2.068          | 50   | 62413      | 9.957    | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.202          | 62   | 76587      | 9.676    | ug/l   | 99       |
| 5) Bromomethane              | 2.592          | 94   | 66689      | 10.271   | ug/l   | 90       |
| 6) Chloroethane              | 2.732          | 64   | 51757      | 9.632    | ug/l   | 92       |
| 7) Trichlorofluoromethane    | 3.055          | 101  | 102972     | 10.128   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.458          | 74   | 26719      | 10.047   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818          | 101  | 54405      | 10.011   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.007          | 142  | 56313      | 8.967    | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.854          | 59   | 20540      | 71.998   | ug/l # | 89       |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 53191      | 10.173   | ug/l   | 98       |
| 13) Acrolein                 | 3.653          | 56   | 24014      | 49.681   | ug/l   | 94       |
| 14) Allyl chloride           | 4.385          | 41   | 62154      | 9.494    | ug/l   | 99       |
| 15) Acrylonitrile            | 5.061          | 53   | 51937      | 49.854   | ug/l   | 99       |
| 16) Acetone                  | 3.872          | 43   | 65410      | 59.997   | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.104          | 76   | 153055     | 9.382    | ug/l   | 100      |
| 18) Methyl Acetate           | 4.391          | 43   | 29725      | 10.728   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 120347     | 9.830    | ug/l   | 100      |
| 20) Methylene Chloride       | 4.616          | 84   | 71034      | 12.016   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.116          | 96   | 56465      | 9.710    | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.024          | 45   | 138589     | 9.547    | ug/l   | 98       |
| 23) Vinyl Acetate            | 5.963          | 43   | 361478     | 45.300   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 93512      | 9.772    | ug/l   | 98       |
| 25) 2-Butanone               | 6.890          | 43   | 75171      | 55.784   | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 6.890          | 77   | 86325      | 10.153   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.896          | 96   | 65335      | 9.905    | ug/l   | 99       |
| 28) Bromochloromethane       | 7.244          | 49   | 36132      | 9.733    | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 38990      | 48.749   | ug/l   | 99       |
| 30) Chloroform               | 7.421          | 83   | 102058     | 9.890    | ug/l   | 99       |
| 31) Cyclohexane              | 7.701          | 56   | 80245      | 9.495    | ug/l # | 88       |
| 32) 1,1,1-Trichloroethane    | 7.622          | 97   | 91186      | 9.844    | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 69913      | 9.639    | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.988          | 43   | 27388      | 9.551    | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 84799      | 10.065   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.109          | 83   | 82275      | 8.860    | ug/l   | 95       |
| 40) Benzene                  | 8.079          | 78   | 220629     | 9.758    | ug/l   | 100      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023385.D  
 Acq On : 07 Oct 2025 10:02  
 Operator : SY/MD  
 Sample : VSTDICC010  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## ClientSampleId :

VSTDICC010

## Manual Integrations

## APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 08 04:39:16 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.225  | 41   | 14344    | 9.632   | ug/l # | 92       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 58541    | 10.174  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 53042    | 9.510   | ug/l   | 98       |
| 44) Trichloroethene           | 8.865  | 130  | 64537    | 10.171  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 49009    | 9.632   | ug/l   | 100      |
| 46) Dibromomethane            | 9.231  | 93   | 30780    | 9.890   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.426  | 83   | 78392    | 10.007  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.225  | 41   | 23484    | 9.023   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 6822     | 211.693 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 134746   | 47.165  | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 138662   | 9.661   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 64315    | 9.559   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 77905    | 9.687   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.572 | 97   | 41881    | 10.118  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 42096    | 8.830   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 64537    | 9.633   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 94970m   | 45.535  | ug/l   |          |
| 59) 2-Hexanone                | 10.761 | 43   | 99175    | 50.138  | ug/l   | 96       |
| 60) Dibromochloromethane      | 10.908 | 129  | 57151    | 10.123  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.011 | 107  | 38861    | 9.979   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 76110    | 10.335  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.438 | 112  | 161155   | 10.074  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 57233    | 10.173  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.517 | 91   | 251958   | 9.651   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.627 | 106  | 198866   | 19.004  | ug/l   | 99       |
| 69) o-Xylene                  | 11.950 | 106  | 91710    | 9.467   | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 151094   | 9.446   | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 35681    | 10.595  | ug/l # | 94       |
| 73) Isopropylbenzene          | 12.249 | 105  | 236489   | 9.467   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.066 | 43   | 40098    | 8.590   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 41130    | 9.871   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 29944m   | 8.095   | ug/l   |          |
| 77) Bromobenzene              | 12.529 | 156  | 66002    | 10.295  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.590 | 91   | 275671   | 9.384   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 165582   | 9.762   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.731 | 105  | 191799   | 9.445   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75   | 13110    | 9.556   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 169968   | 9.595   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.993 | 119  | 177250   | 9.579   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.041 | 105  | 191423   | 9.528   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.170 | 105  | 254134   | 9.483   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.285 | 119  | 210320   | 9.287   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 127377   | 10.058  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 127757   | 10.172  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.615 | 91   | 182116   | 9.107   | ug/l   | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 47355    | 9.630   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 112325   | 10.165  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 7005     | 10.608  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 65050    | 9.992   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 42813    | 10.554  | ug/l   | 97       |
| 95) Naphthalene               | 15.139 | 128  | 96092    | 9.264   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 56499    | 10.004  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023385.D  
Acq On : 07 Oct 2025 10:02  
Operator : SY/MD  
Sample : VSTDICC010  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 2025  
Response via : Initial Calibration

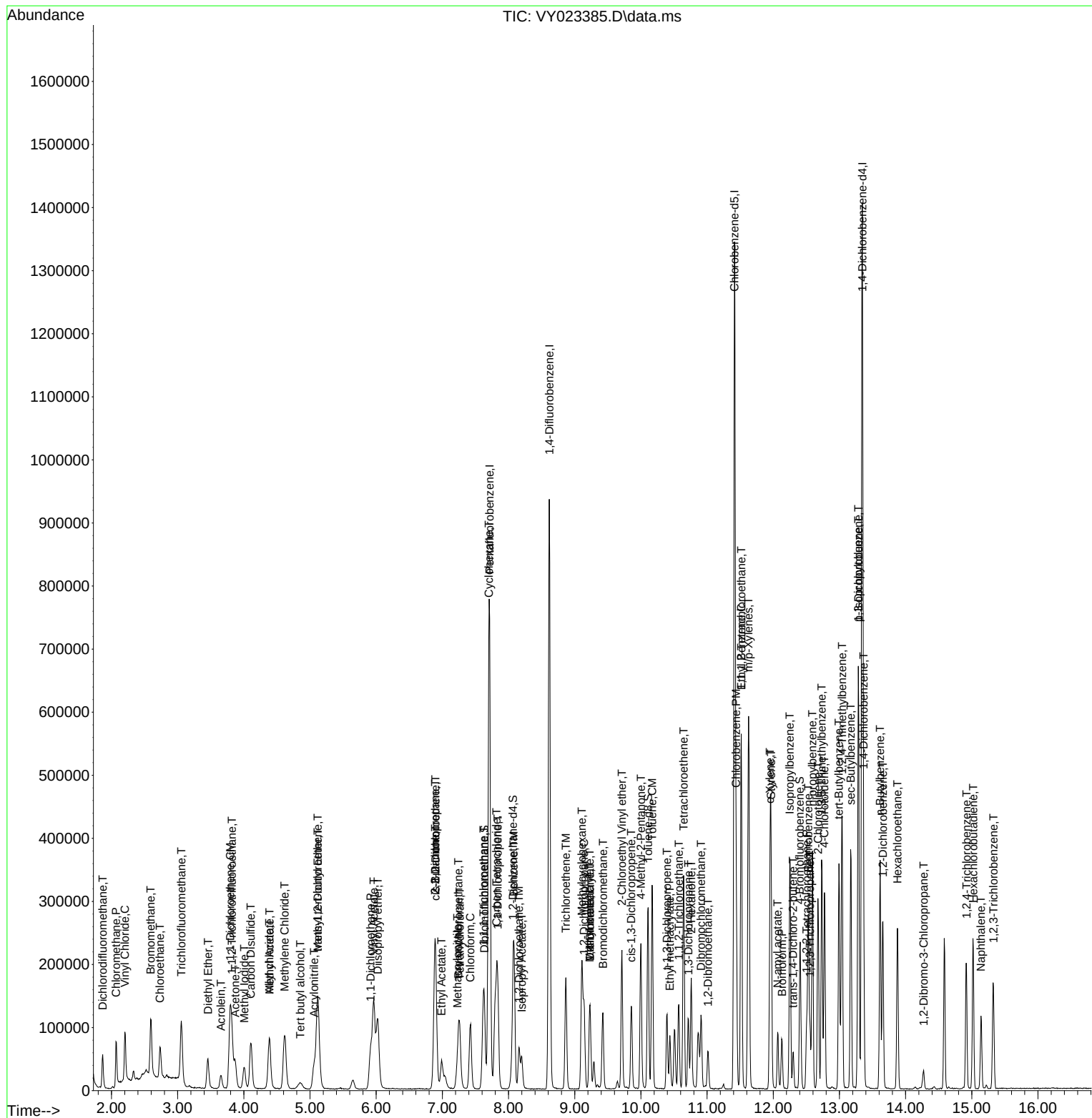
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

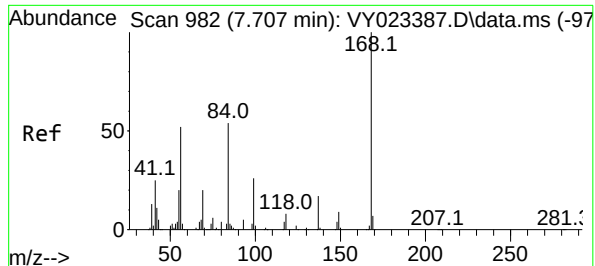
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VSTDICC010

## Manual Integrations APPROVED

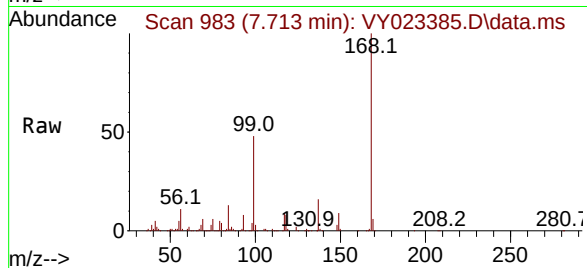
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 9  
Delta R.T. 0.006 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

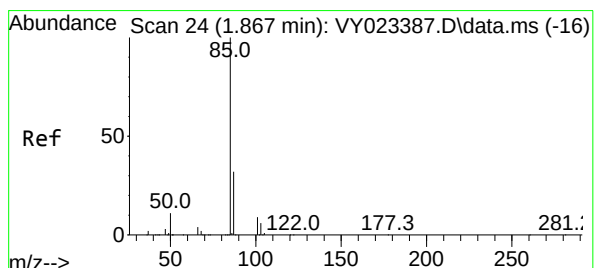
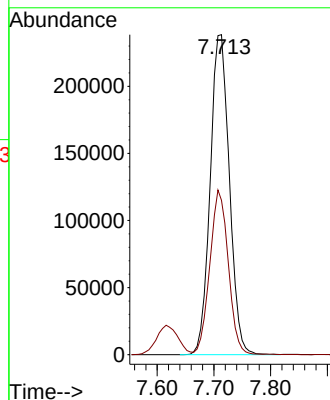
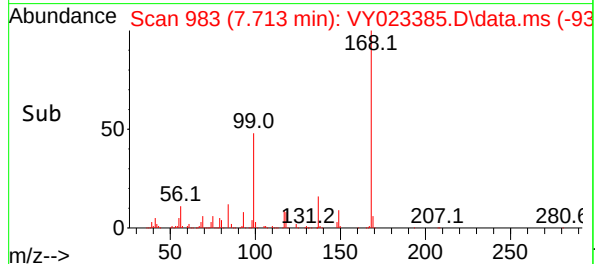
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010



Tgt Ion:168 Resp: 559828  
Ion Ratio Lower Upper  
168 100  
99 48.2 39.7 59.5

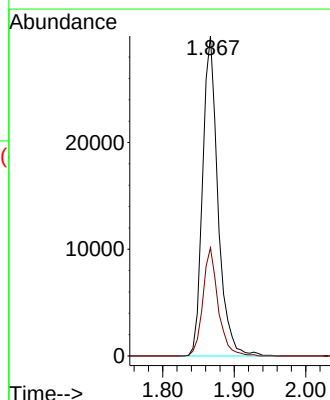
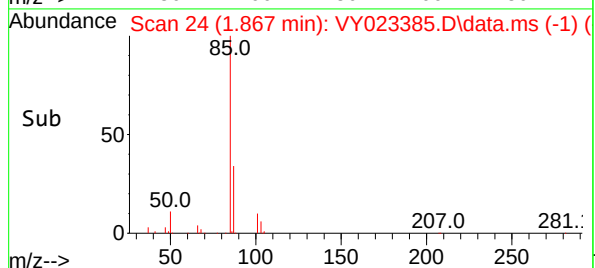
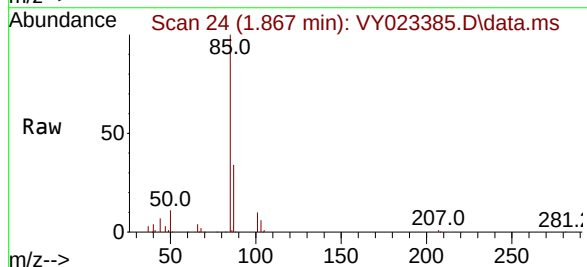
Manual Integrations  
APPROVED

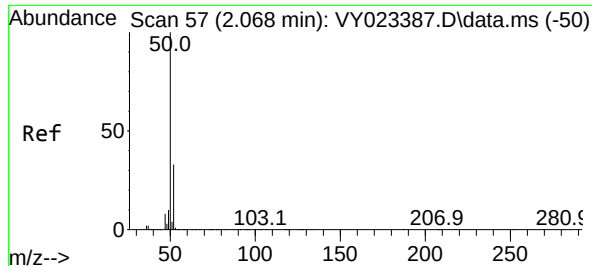
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#2  
Dichlorodifluoromethane  
Concen: 10.129 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Tgt Ion: 85 Resp: 44666  
Ion Ratio Lower Upper  
85 100  
87 33.8 16.0 47.9





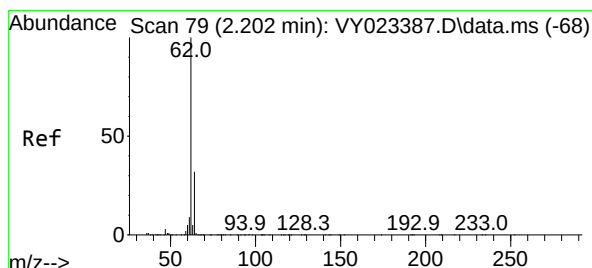
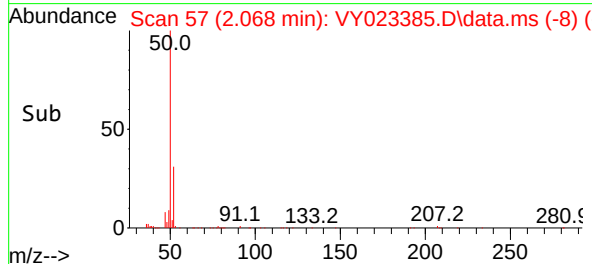
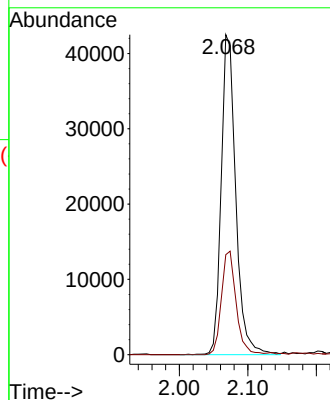
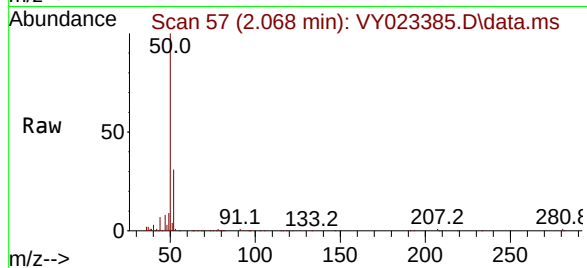
#3  
Chloromethane  
Concen: 9.957 ug/l  
RT: 2.068 min Scan# 57  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010

Tgt Ion: 50 Resp: 6241  
Ion Ratio Lower Upper  
50 100  
52 31.2 26.2 39.2

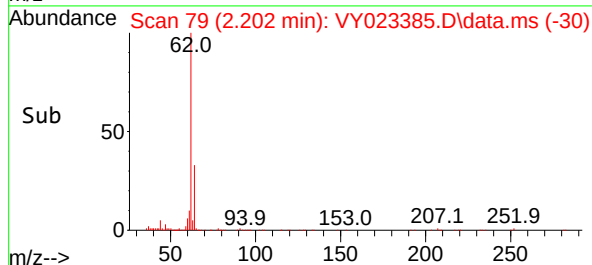
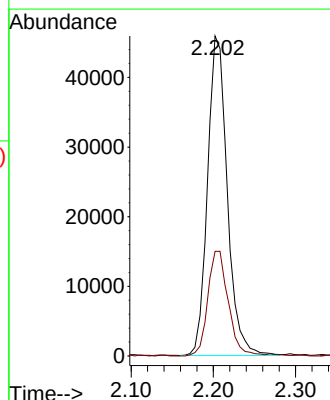
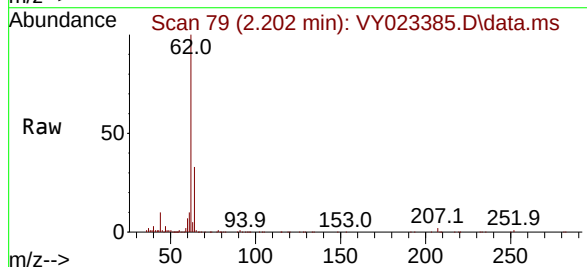
Manual Integrations  
APPROVED

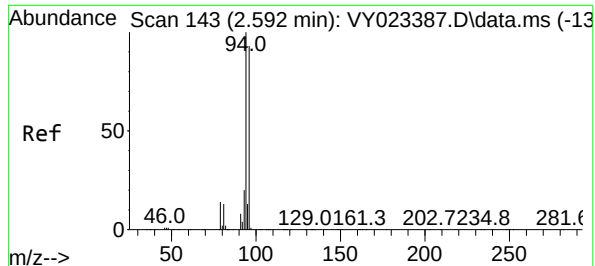
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#4  
Vinyl Chloride  
Concen: 9.676 ug/l  
RT: 2.202 min Scan# 79  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Tgt Ion: 62 Resp: 76587  
Ion Ratio Lower Upper  
62 100  
64 32.7 25.8 38.8





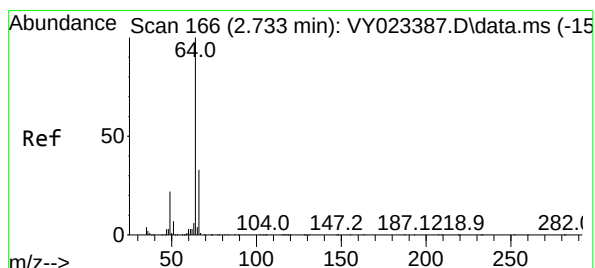
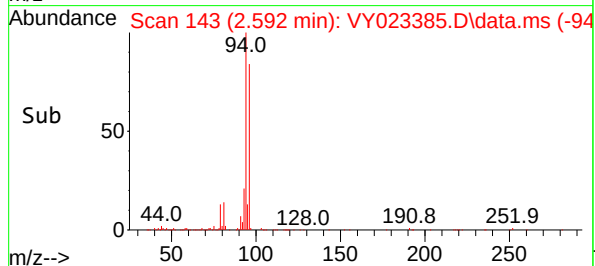
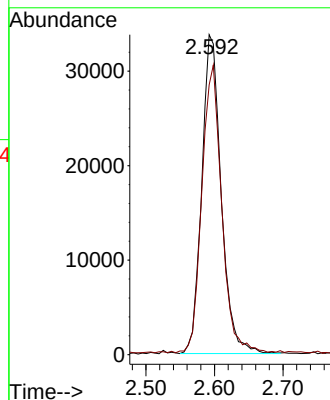
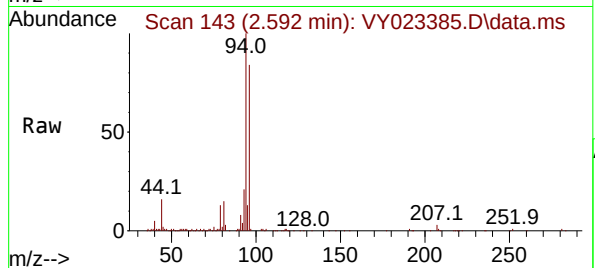
#5  
Bromomethane  
Concen: 10.271 ug/l  
RT: 2.592 min Scan# 143  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010

Tgt Ion: 94 Resp: 66689  
Ion Ratio Lower Upper  
94 100  
96 83.4 74.5 111.7

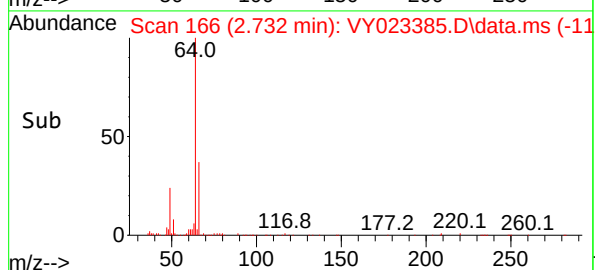
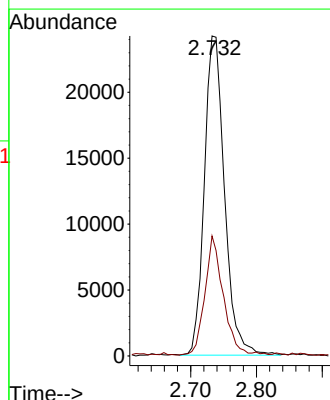
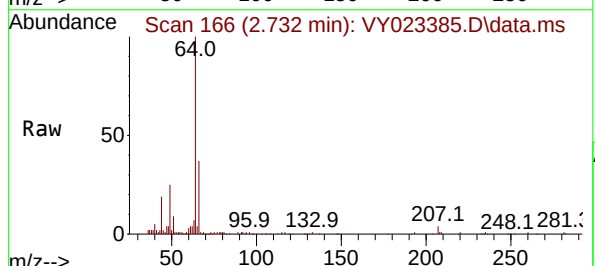
Manual Integrations  
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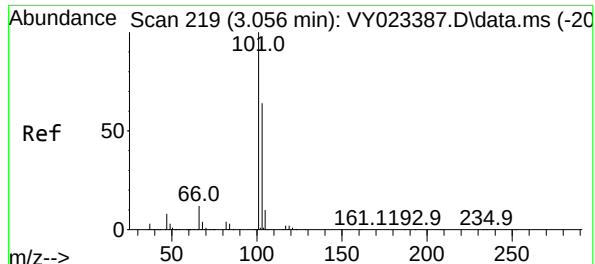
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#6  
Chloroethane  
Concen: 9.632 ug/l  
RT: 2.732 min Scan# 166  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

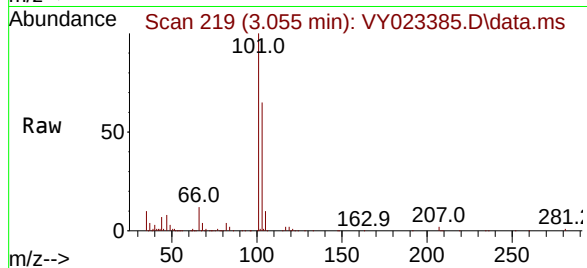
Tgt Ion: 64 Resp: 51757  
Ion Ratio Lower Upper  
64 100  
66 37.2 26.2 39.4





#7  
Trichlorofluoromethane  
Concen: 10.128 ug/l  
RT: 3.055 min Scan# 219  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

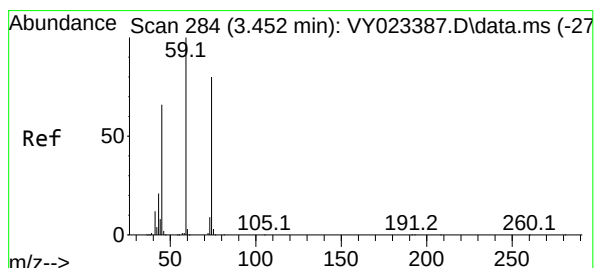
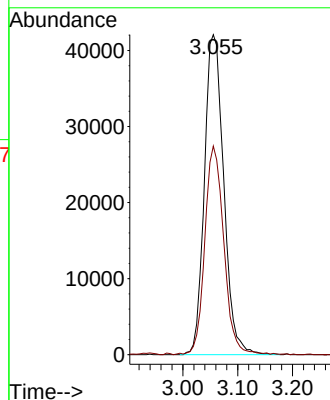
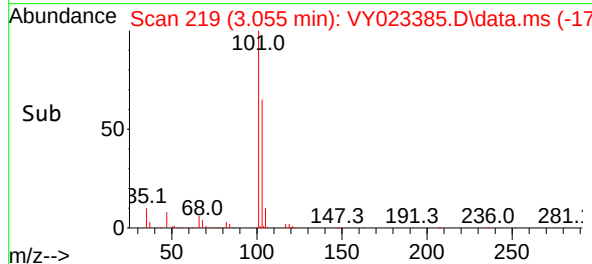
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010



Tgt Ion:101 Resp: 102972  
Ion Ratio Lower Upper  
101 100  
103 65.1 51.3 76.9

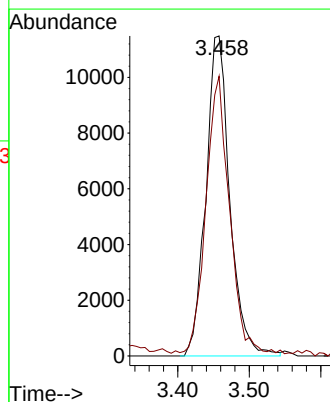
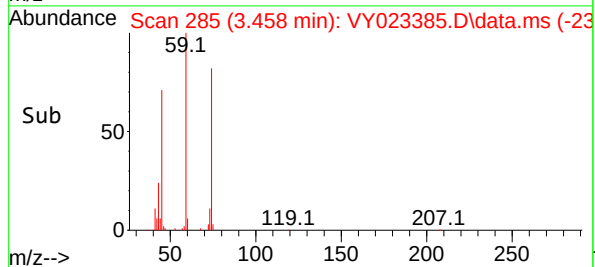
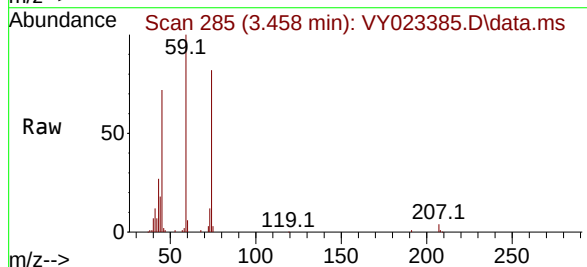
Manual Integrations  
APPROVED

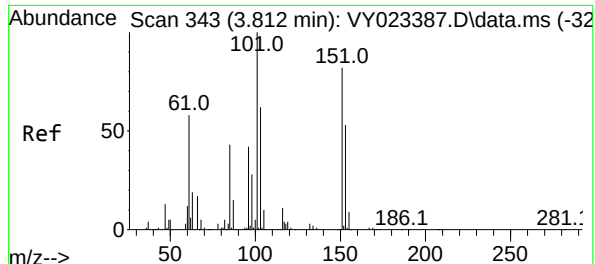
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#8  
Diethyl Ether  
Concen: 10.047 ug/l  
RT: 3.458 min Scan# 285  
Delta R.T. 0.006 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Tgt Ion: 74 Resp: 26719  
Ion Ratio Lower Upper  
74 100  
45 83.5 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.011 ug/l

RT: 3.818 min Scan# 343

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

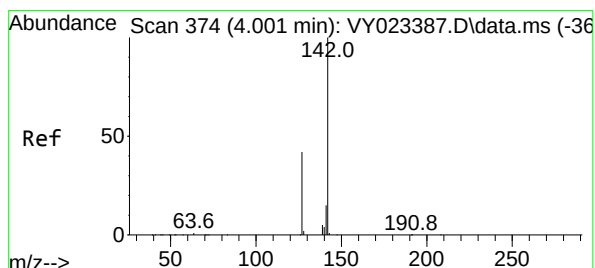
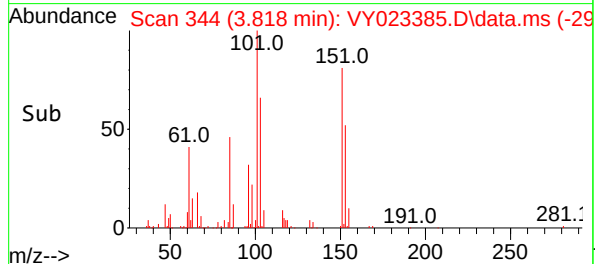
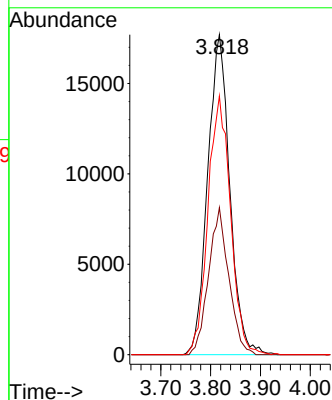
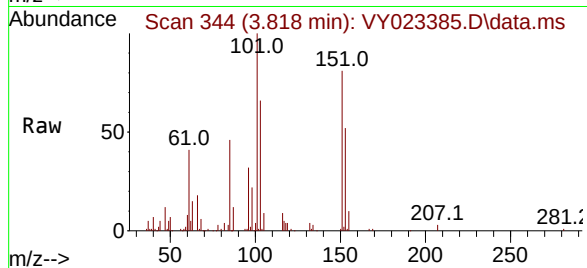
VSTDICC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 5440  |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 42.2  | 34.6  | 51.8  |
| 151      | 82.7  | 67.0  | 100.6 |

## Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#10

Methyl Iodide

Concen: 8.967 ug/l

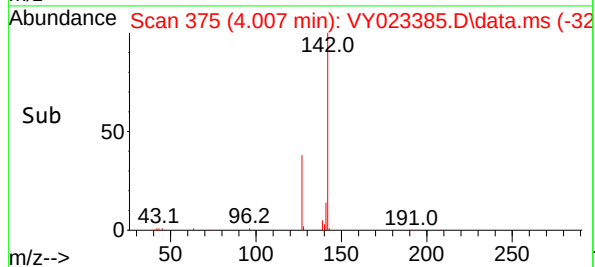
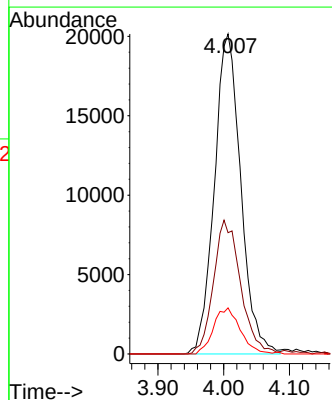
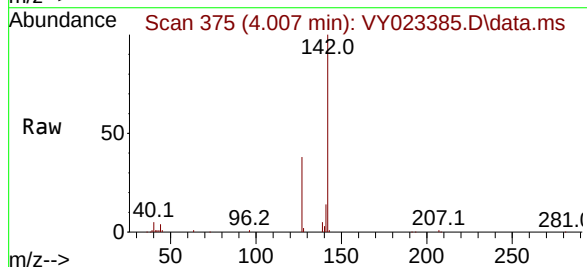
RT: 4.007 min Scan# 375

Delta R.T. 0.006 min

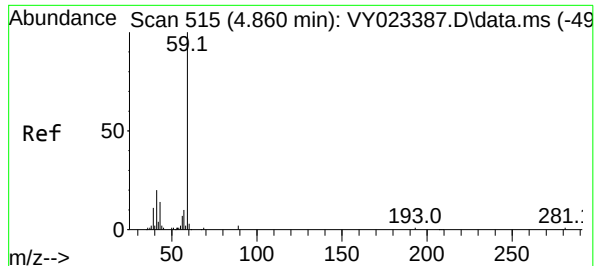
Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 56313 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 42.9  | 34.8  | 52.2  |
| 141      | 14.6  | 11.6  | 17.4  |







#11

Tert butyl alcohol

Concen: 71.998 ug/l

RT: 4.854 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 59 Resp: 20540

Ion Ratio Lower Upper

59 100

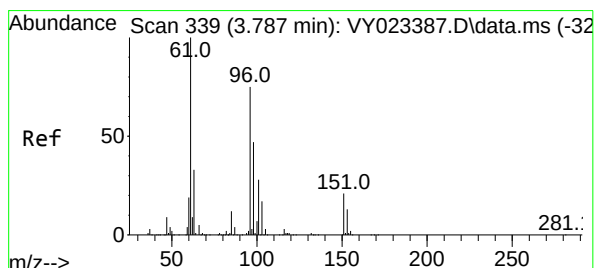
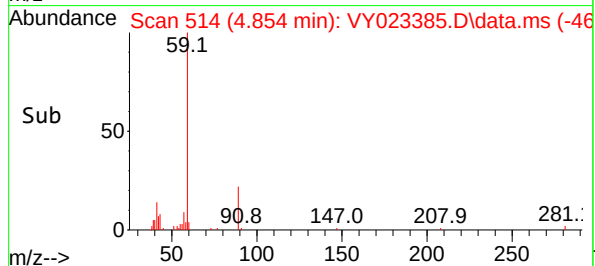
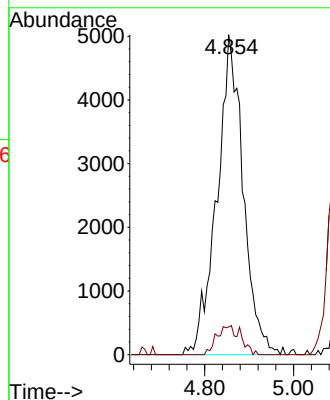
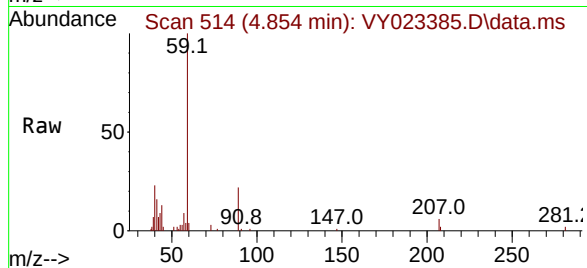
57 6.3 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 10.173 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

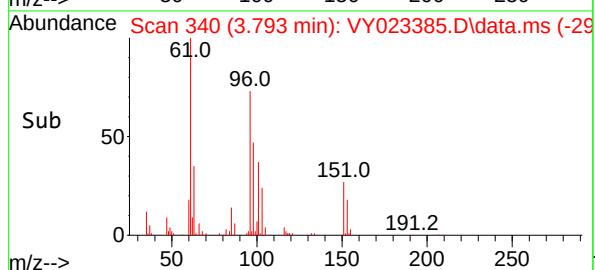
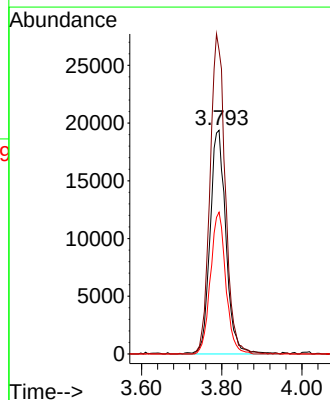
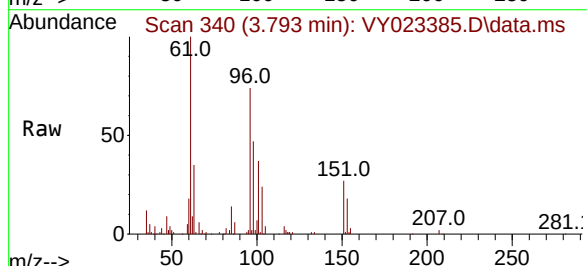
Tgt Ion: 96 Resp: 53191

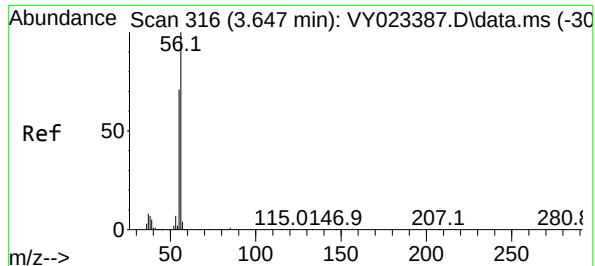
Ion Ratio Lower Upper

96 100

61 135.7 106.7 160.1

98 63.4 50.2 75.4





#13

Acrolein

Concen: 49.681 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 24014

Ion Ratio Lower Upper

56 100

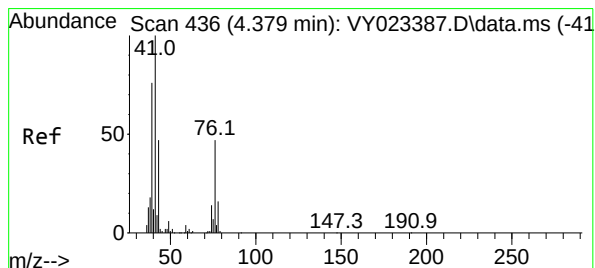
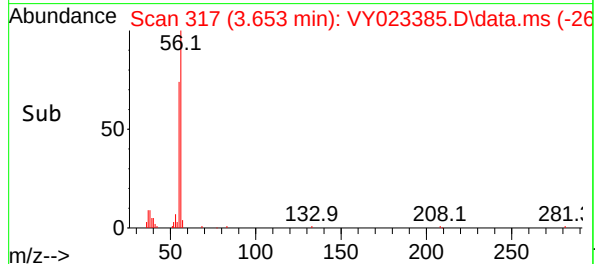
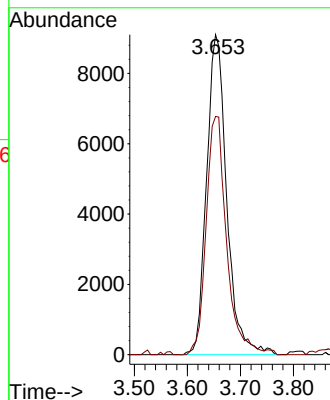
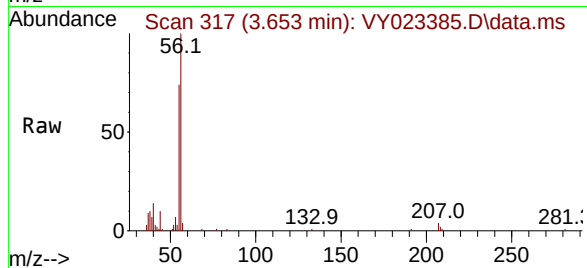
55 75.2 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#14

Allyl chloride

Concen: 9.494 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

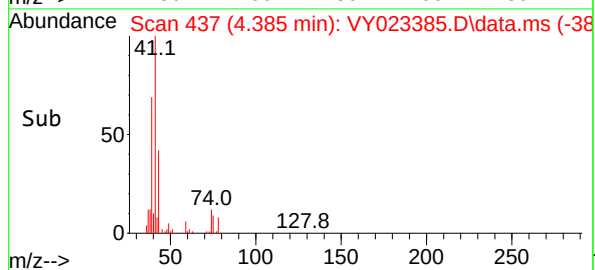
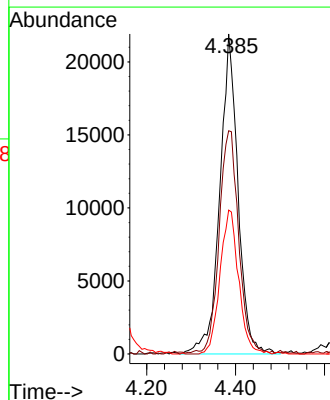
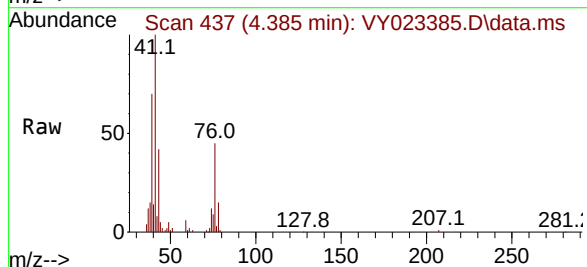
Tgt Ion: 41 Resp: 62154

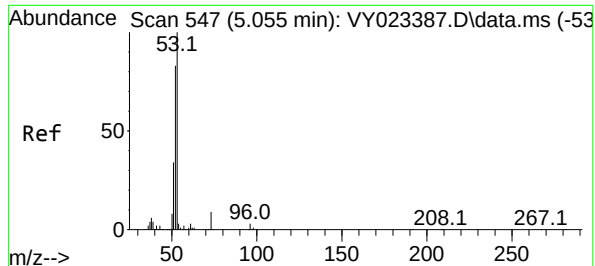
Ion Ratio Lower Upper

41 100

39 74.2 59.9 89.9

76 45.9 38.0 57.0





#15

Acrylonitrile

Concen: 49.854 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

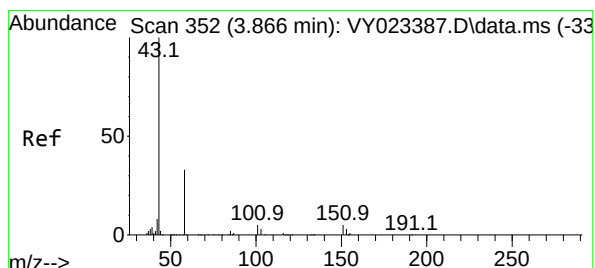
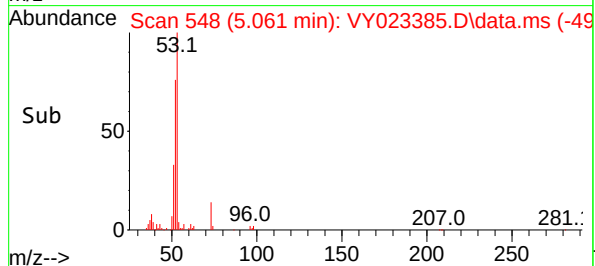
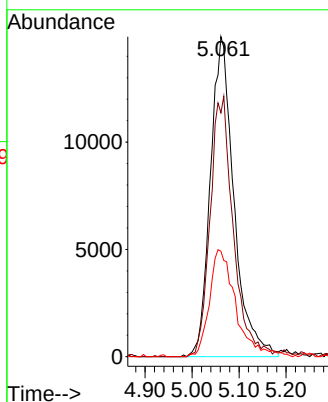
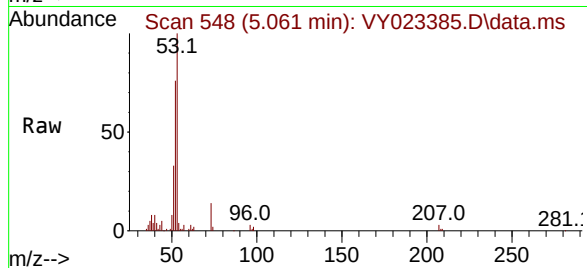
ClientSampleId :

VSTDICC010

|             |                |
|-------------|----------------|
| Tgt Ion: 53 | Resp: 5193     |
| Ion Ratio   | Lower Upper    |
| 53          | 100            |
| 52          | 79.5 64.6 97.0 |
| 51          | 37.4 29.5 44.3 |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#16

Acetone

Concen: 59.997 ug/l

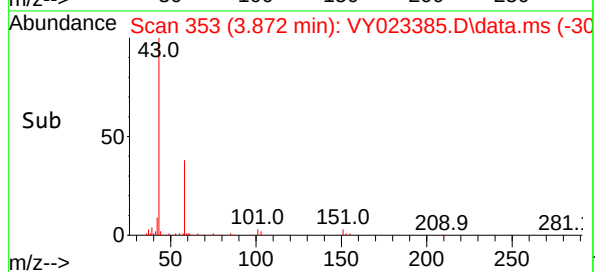
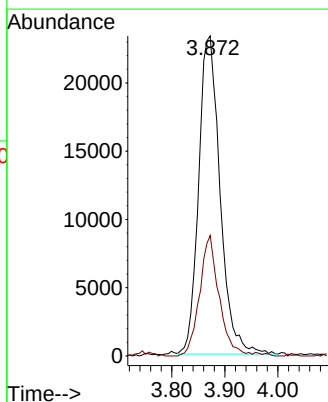
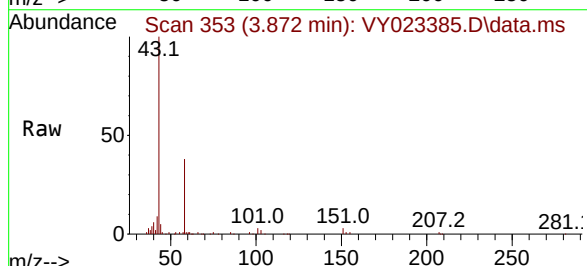
RT: 3.872 min Scan# 353

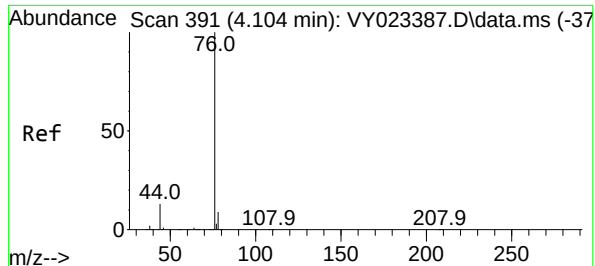
Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 65410    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 58          | 37.9 27.7 41.5 |





#17

Carbon Disulfide

Concen: 9.382 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 76 Resp: 15305

Ion Ratio Lower Upper

76 100

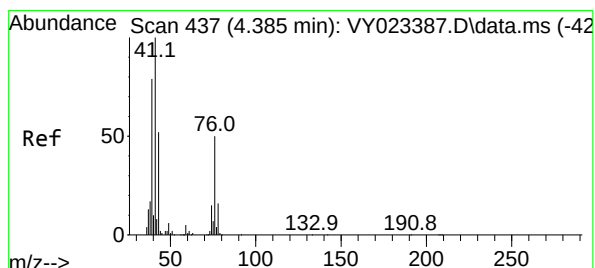
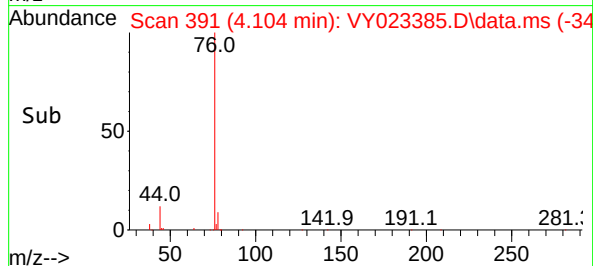
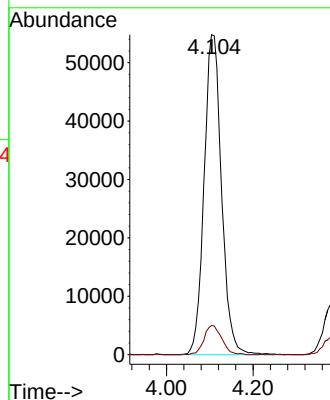
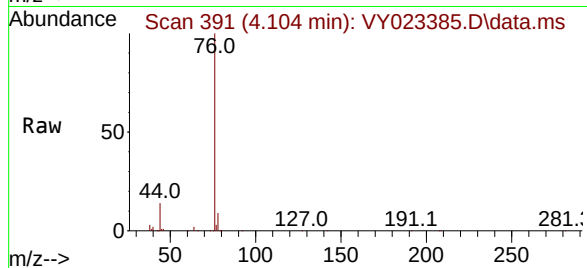
78 9.2 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#18

Methyl Acetate

Concen: 10.728 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY023385.D

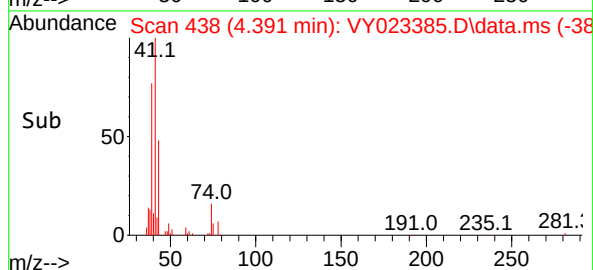
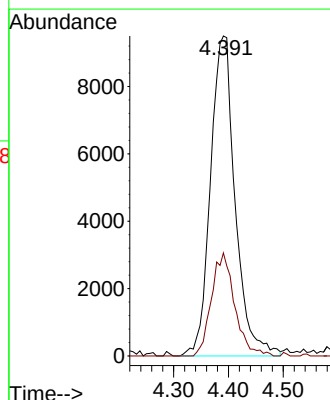
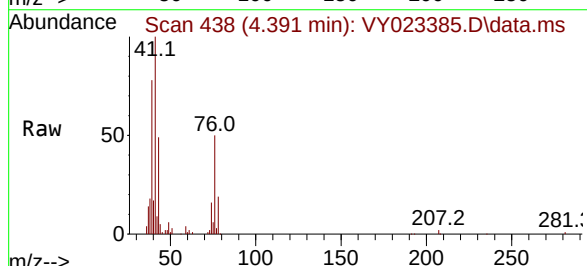
Acq: 07 Oct 2025 10:02

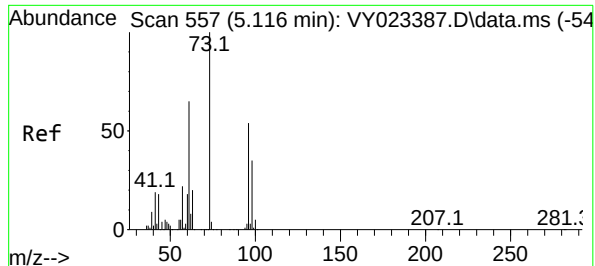
Tgt Ion: 43 Resp: 29725

Ion Ratio Lower Upper

43 100

74 30.3 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 9.830 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 73 Resp: 12034

Ion Ratio Lower Upper

73 100

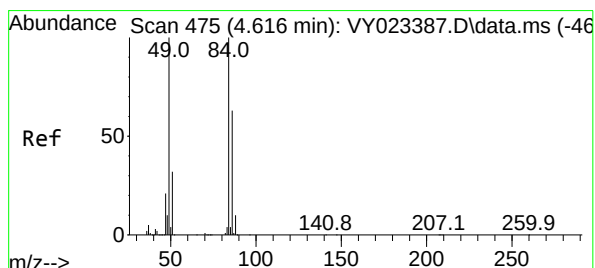
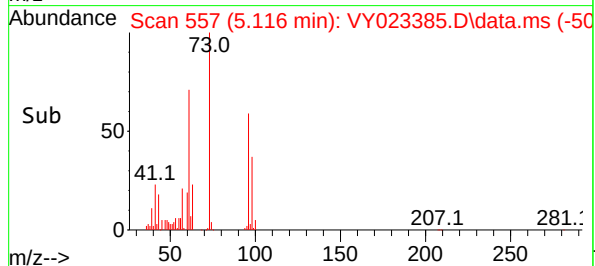
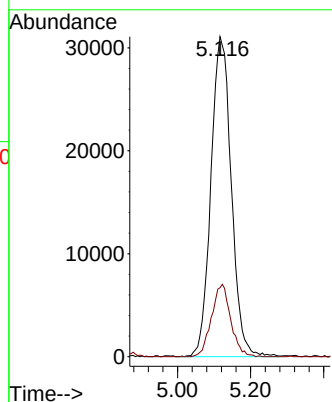
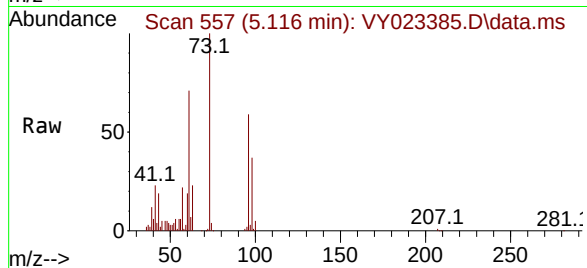
57 21.5 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 12.016 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion: 84 Resp: 71034

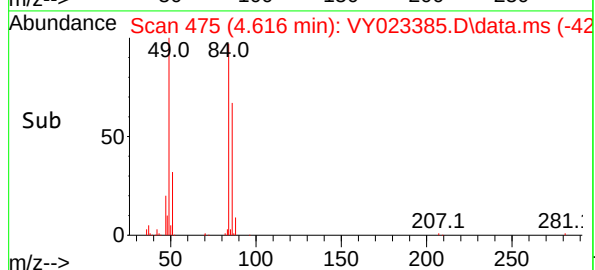
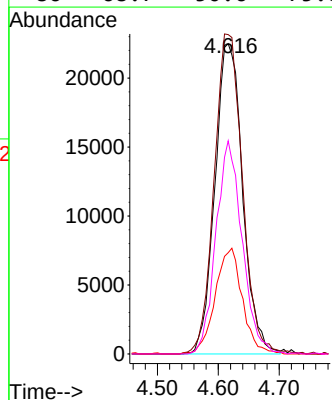
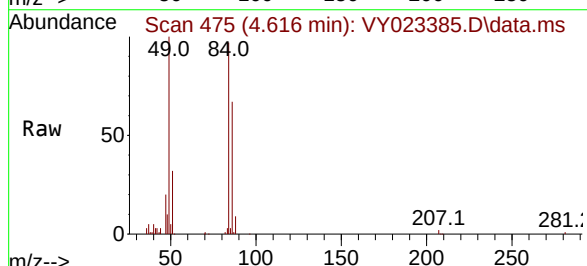
Ion Ratio Lower Upper

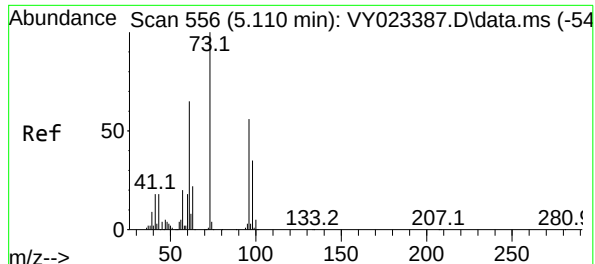
84 100

49 102.9 80.2 120.4

51 32.6 25.9 38.9

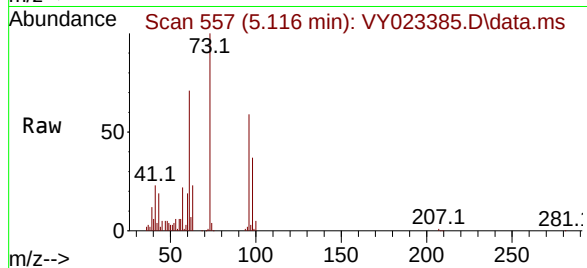
86 68.7 50.6 75.8





#21  
trans-1,2-Dichloroethene  
Concen: 9.710 ug/l  
RT: 5.116 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

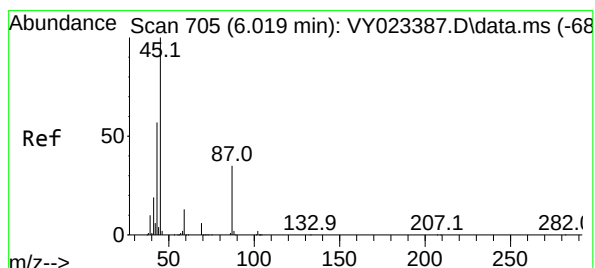
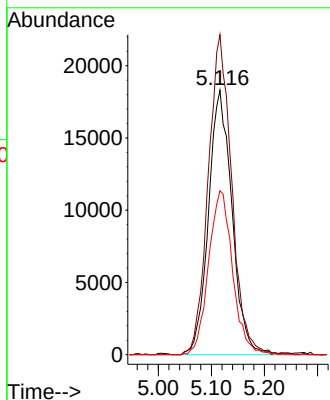
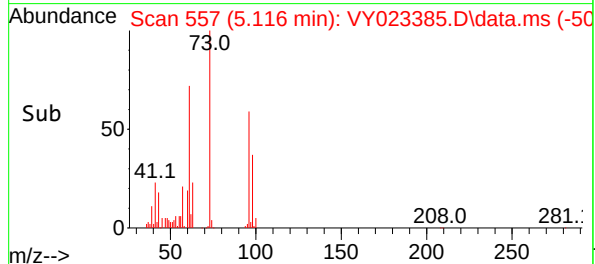
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010



Tgt Ion: 96 Resp: 5646  
Ion Ratio Lower Upper  
96 100  
61 121.0 92.7 139.1  
98 62.0 49.7 74.5

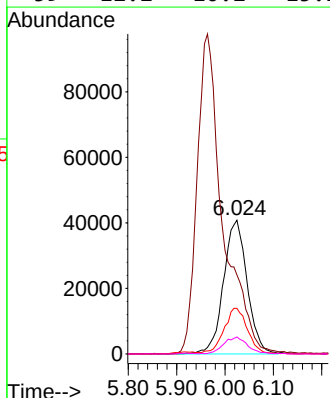
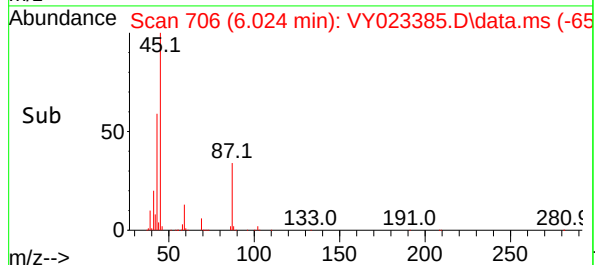
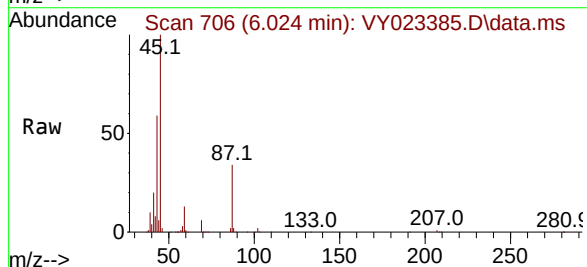
Manual Integrations  
APPROVED

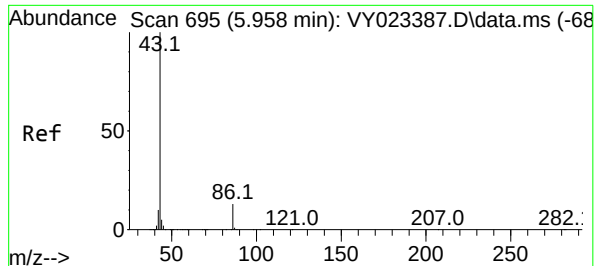
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#22  
Diisopropyl ether  
Concen: 9.547 ug/l  
RT: 6.024 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Tgt Ion: 45 Resp: 138589  
Ion Ratio Lower Upper  
45 100  
43 58.2 45.6 68.4  
87 33.7 28.1 42.1  
59 12.2 10.2 15.2





#23

Vinyl Acetate

Concen: 45.300 ug/l

RT: 5.963 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 361478

Ion Ratio Lower Upper

43 100

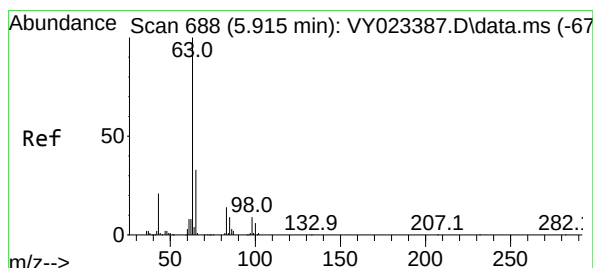
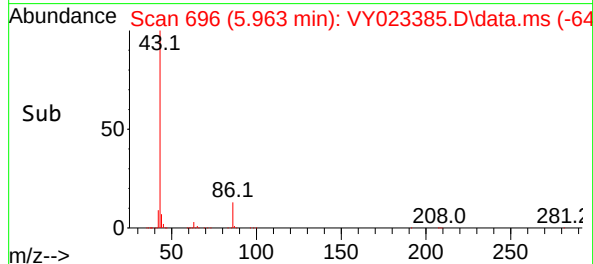
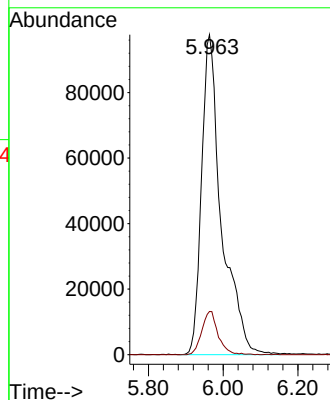
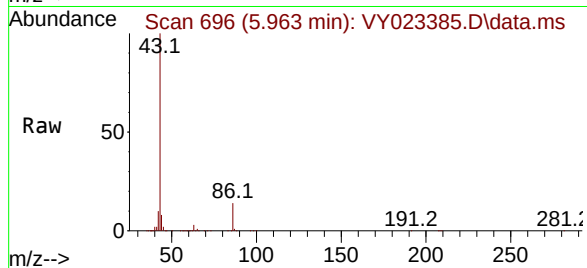
86 13.5 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 9.772 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

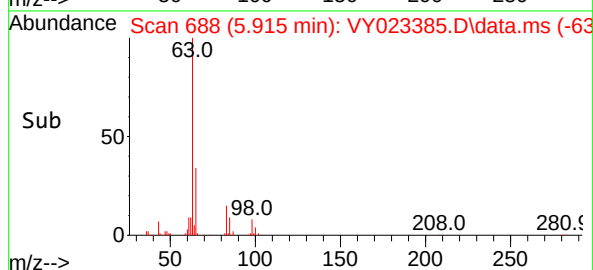
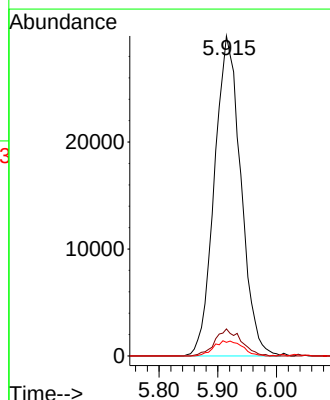
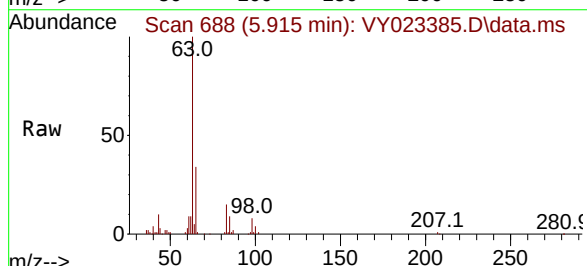
Tgt Ion: 63 Resp: 93512

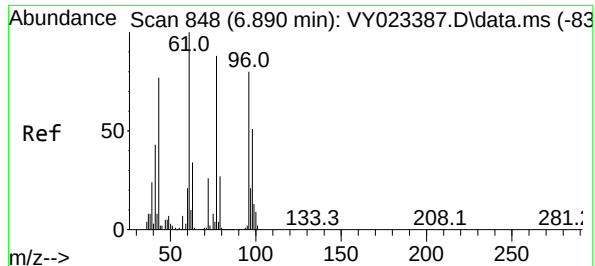
Ion Ratio Lower Upper

63 100

98 8.4 4.3 13.1

100 4.3 2.8 8.4





#25

2-Butanone

Concen: 55.784 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 7517

Ion Ratio Lower Upper

43 100

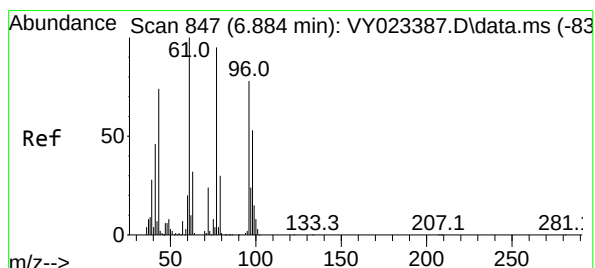
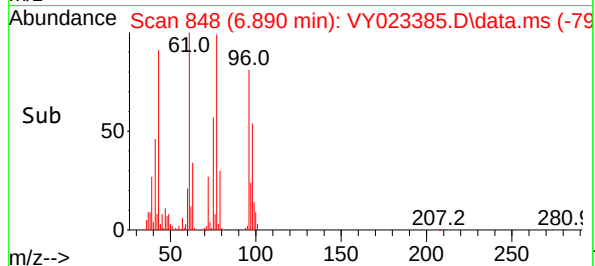
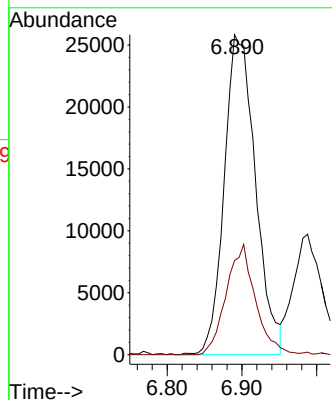
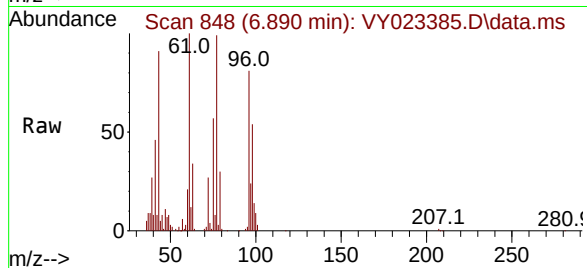
72 29.4 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 10.153 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023385.D

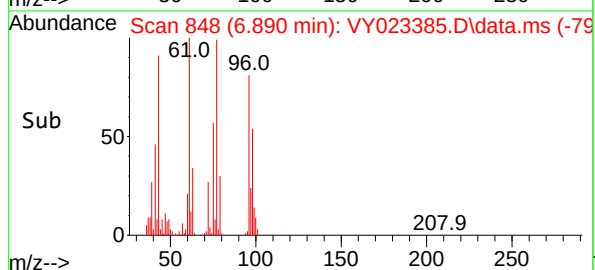
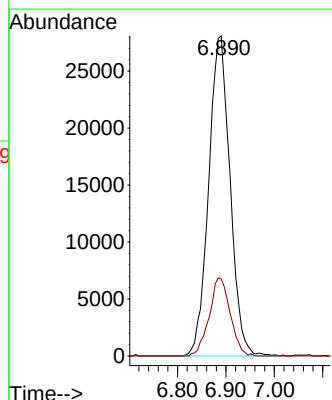
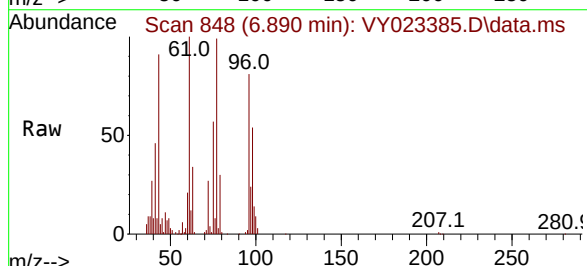
Acq: 07 Oct 2025 10:02

Tgt Ion: 77 Resp: 86325

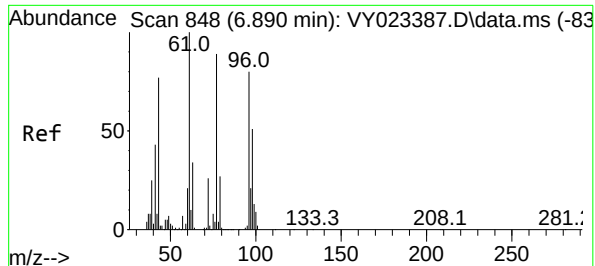
Ion Ratio Lower Upper

77 100

97 23.9 12.1 36.3







#27

cis-1,2-Dichloroethene

Concen: 9.905 ug/l

RT: 6.896 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

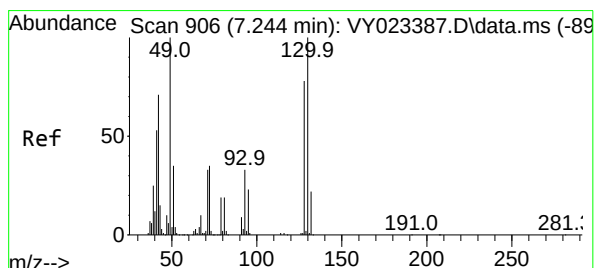
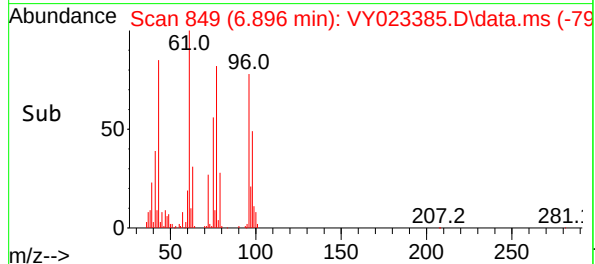
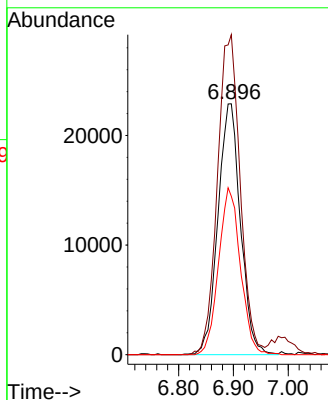
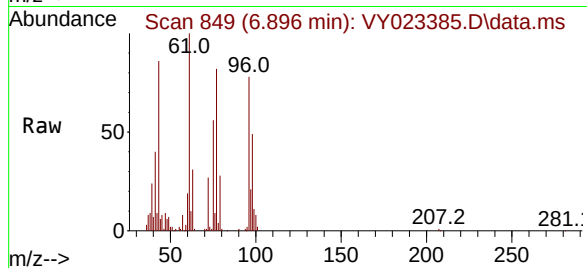
VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 6533  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 129.1 | 0.0   | 258.2 |
| 98       | 64.5  | 0.0   | 132.0 |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#28

Bromochloromethane

Concen: 9.733 ug/l

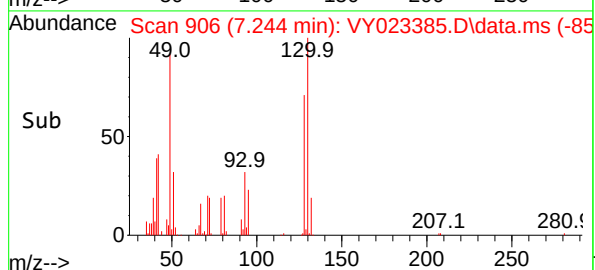
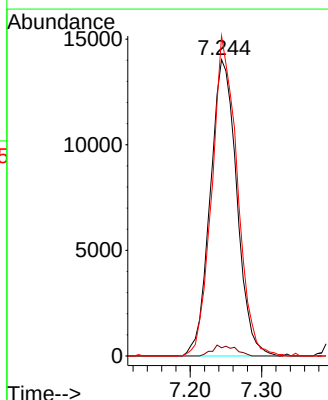
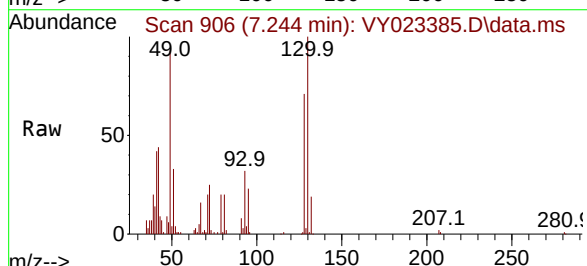
RT: 7.244 min Scan# 906

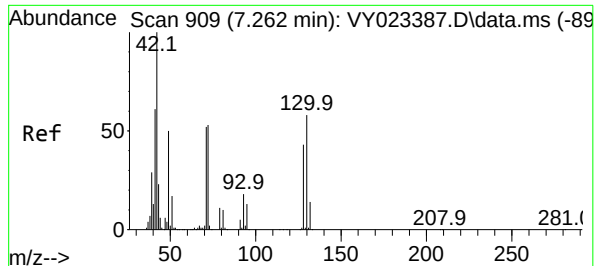
Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 36132 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 3.1   | 0.0   | 5.6   |
| 130      | 103.0 | 81.9  | 122.9 |





#29

Tetrahydrofuran

Concen: 48.749 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

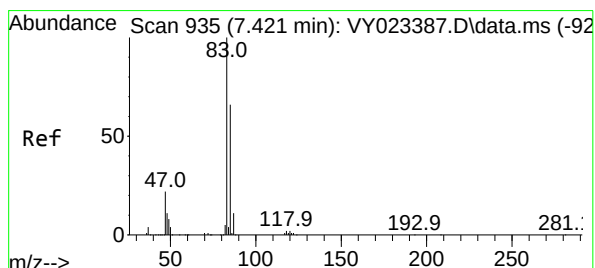
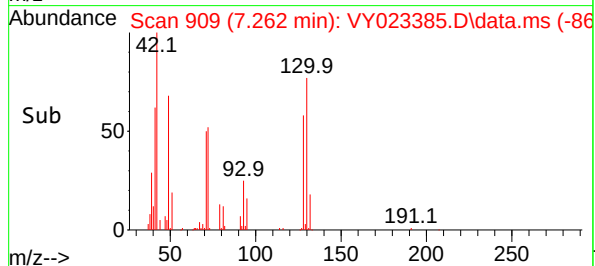
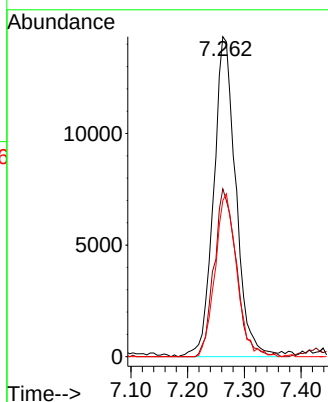
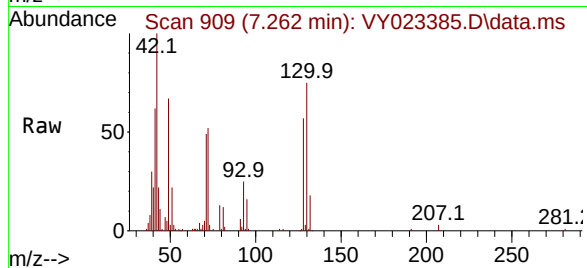
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 38990 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 52.6  | 43.0  | 64.6  |
| 71       | 49.8  | 40.1  | 60.1  |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#30

Chloroform

Concen: 9.890 ug/l

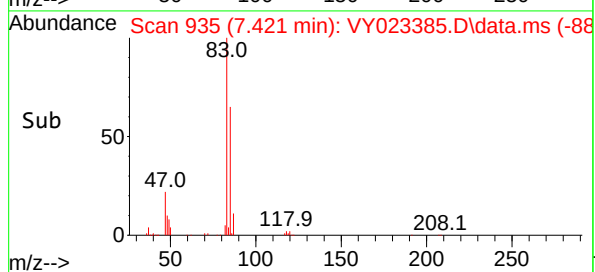
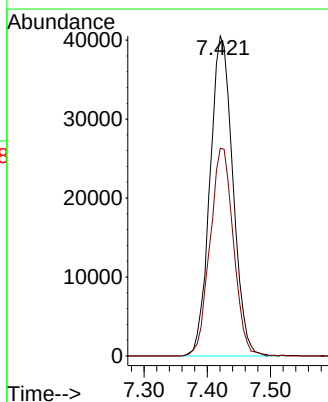
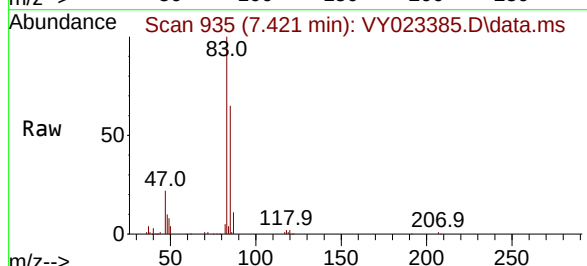
RT: 7.421 min Scan# 935

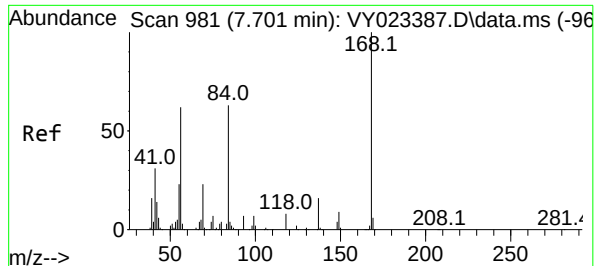
Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 102058 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.9  | 52.5  | 78.7   |





#31

Cyclohexane

Concen: 9.495 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 8024

Ion Ratio Lower Upper

56 100

69 50.5 30.0 45.0

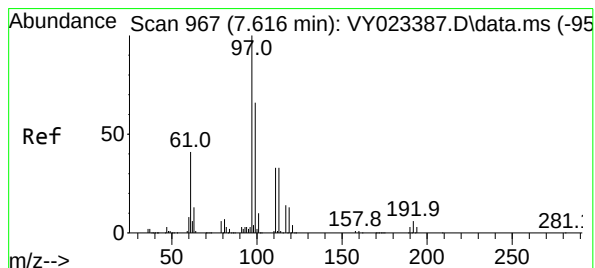
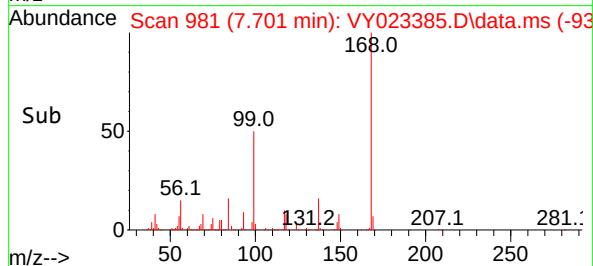
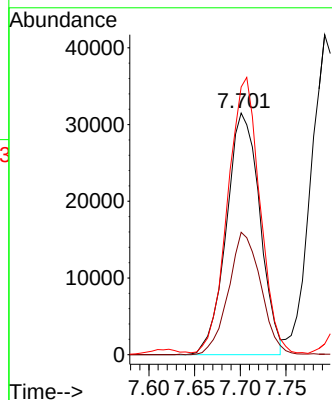
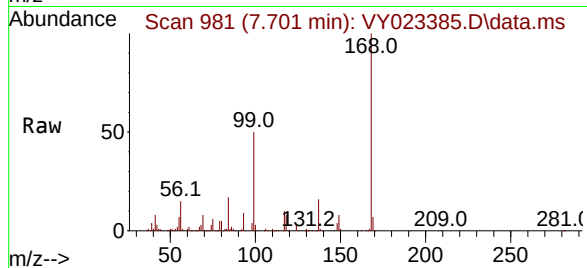
84 109.7 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 9.844 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

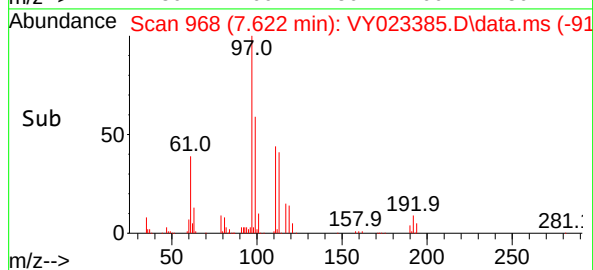
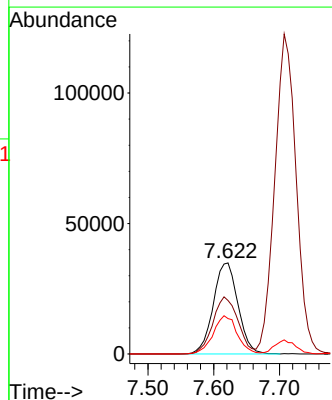
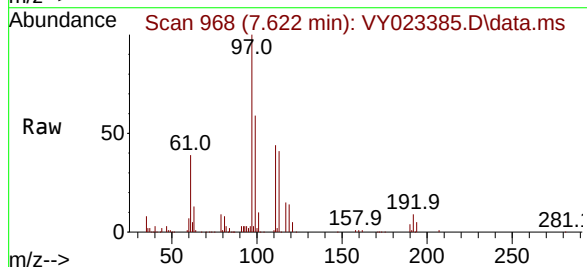
Tgt Ion: 97 Resp: 91186

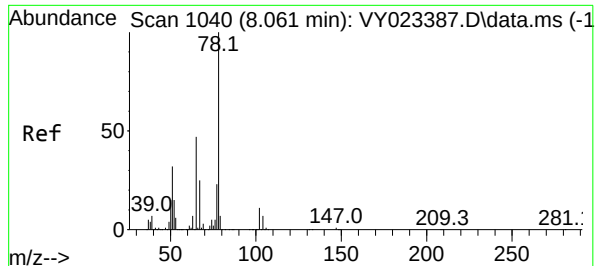
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

61 41.0 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 10.071 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 48820

Ion Ratio Lower Upper

65 100

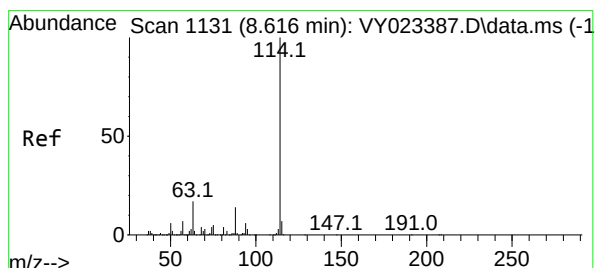
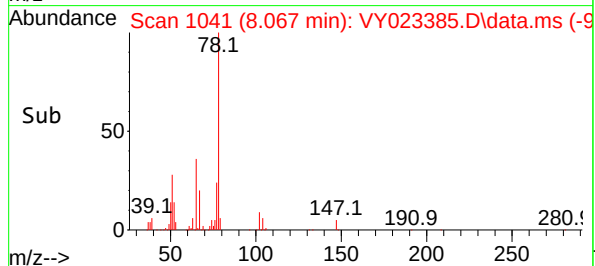
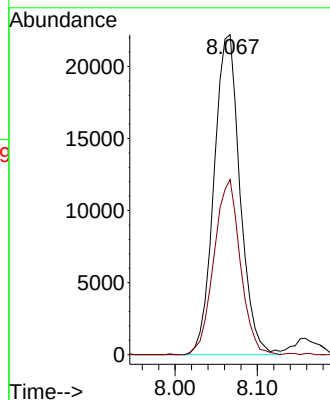
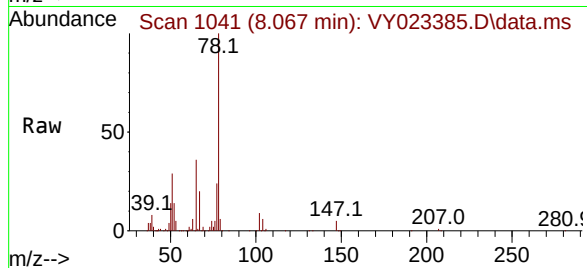
67 55.4 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

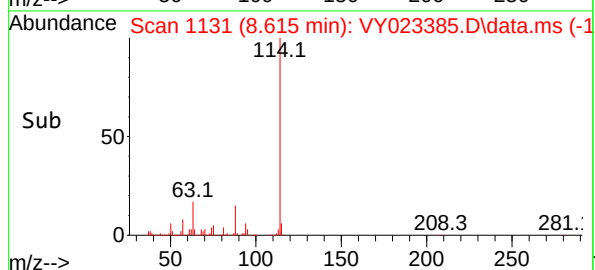
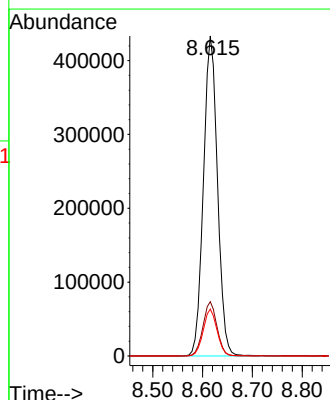
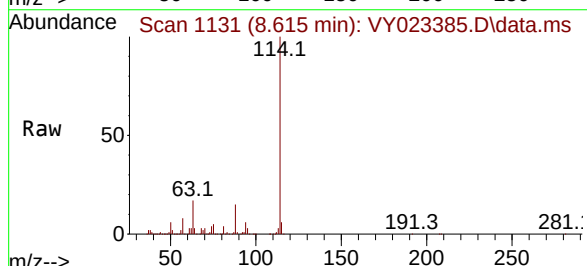
Tgt Ion:114 Resp: 847077

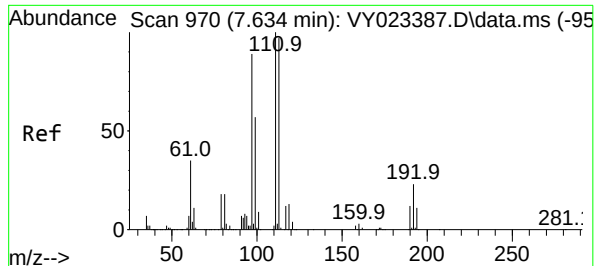
Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.2

88 14.7 0.0 28.4





#35

Dibromofluoromethane

Concen: 10.364 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

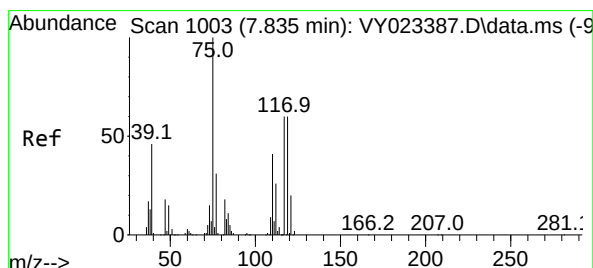
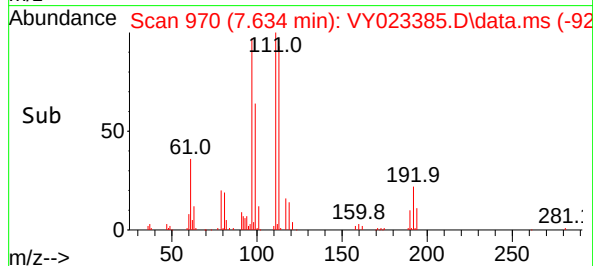
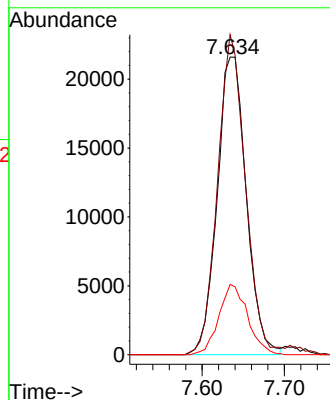
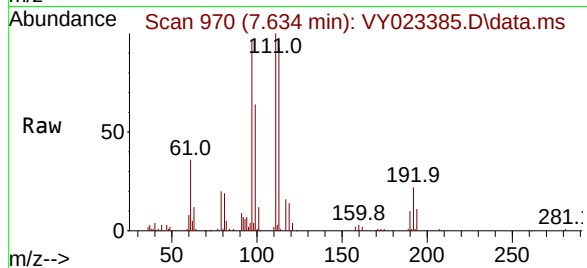
VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 53279 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.1 | 81.8  | 122.6 |
| 192      | 23.3  | 18.0  | 27.0  |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#36

1,1-Dichloropropene

Concen: 9.639 ug/l

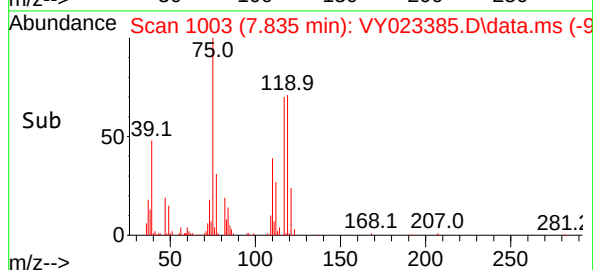
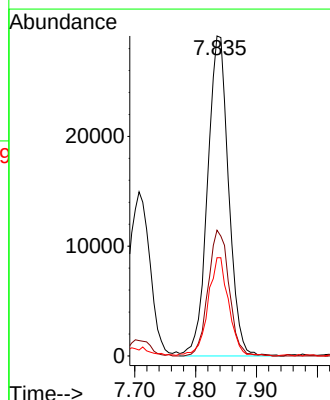
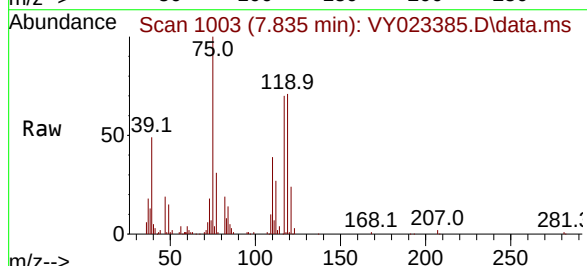
RT: 7.835 min Scan# 1003

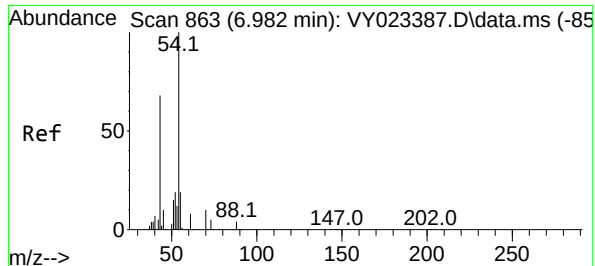
Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 69913 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 39.2  | 19.9  | 59.7  |
| 77       | 30.4  | 25.0  | 37.6  |





#37

Ethyl Acetate

Concen: 9.551 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 2738

Ion Ratio Lower Upper

43 100

61 17.3 11.8 17.8

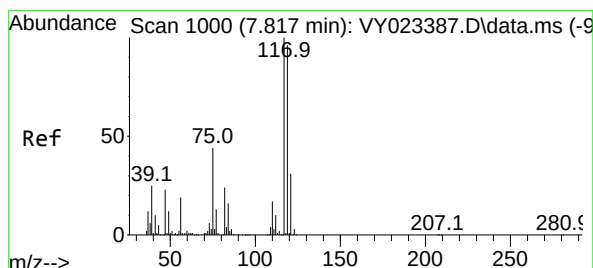
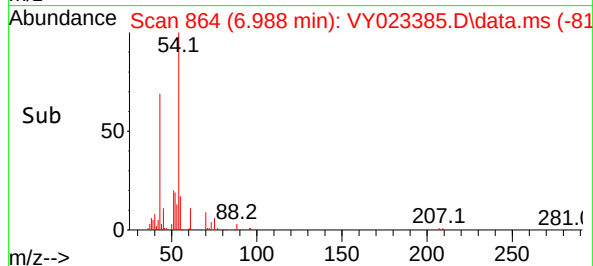
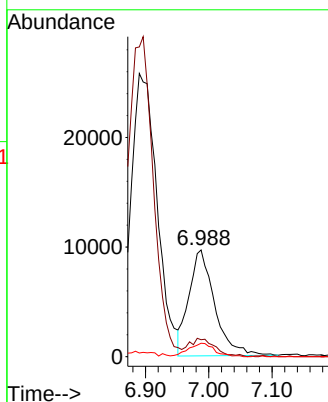
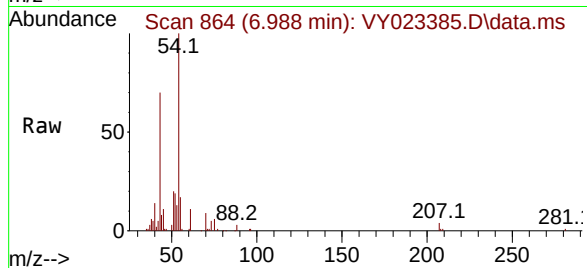
70 12.8 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#38

Carbon Tetrachloride

Concen: 10.065 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

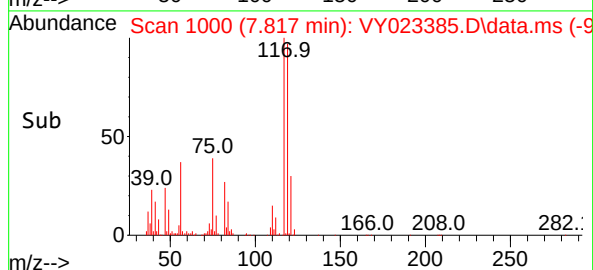
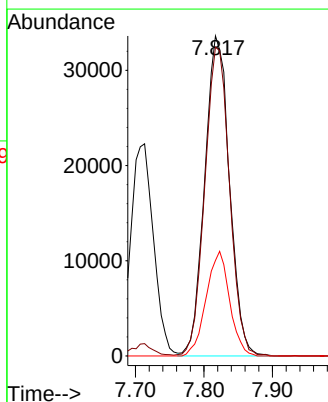
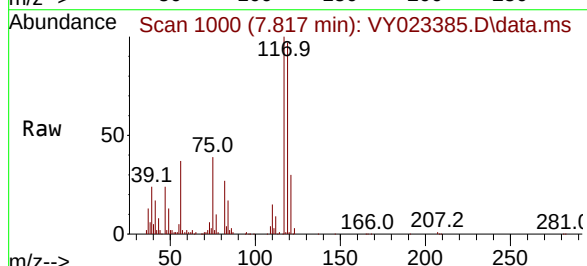
Tgt Ion:117 Resp: 84799

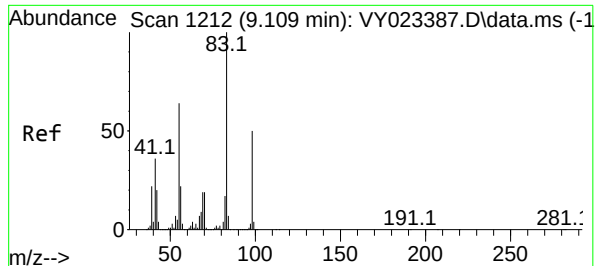
Ion Ratio Lower Upper

117 100

119 96.5 76.8 115.2

121 29.9 24.5 36.7





#39

Methylcyclohexane

Concen: 8.860 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

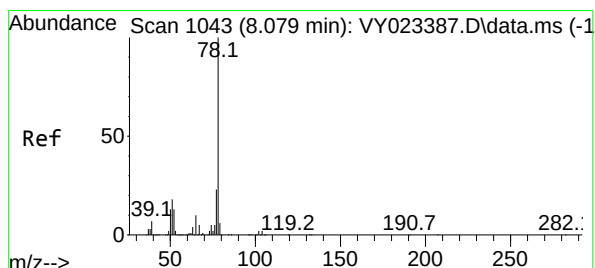
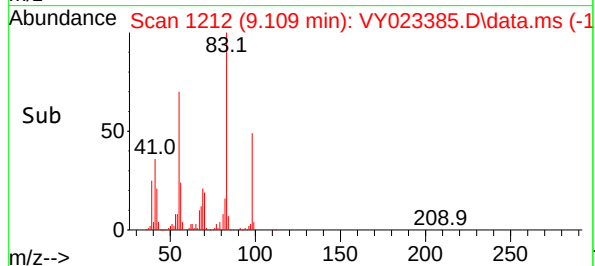
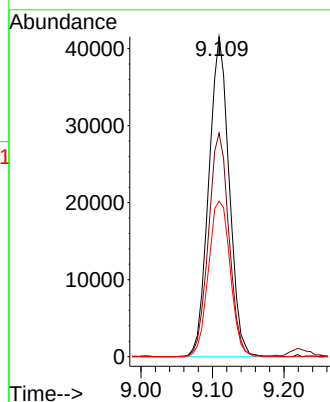
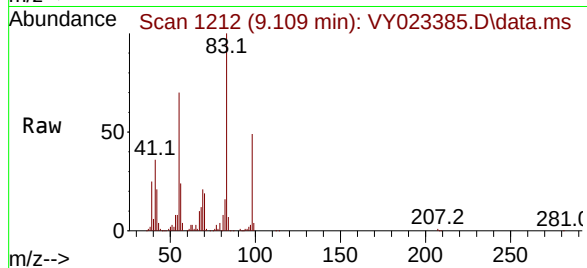
VSTDICC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 82275 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 69.7  | 51.4  | 77.2  |
| 98       | 48.6  | 40.4  | 60.6  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#40

Benzene

Concen: 9.758 ug/l

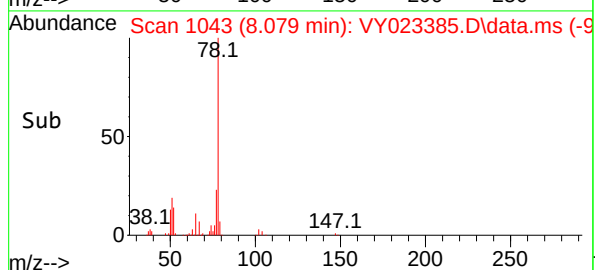
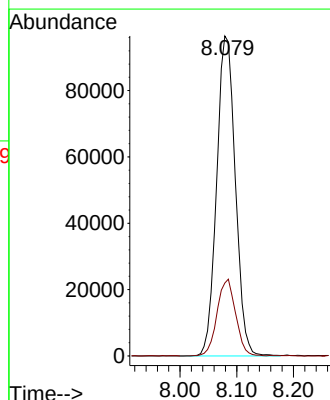
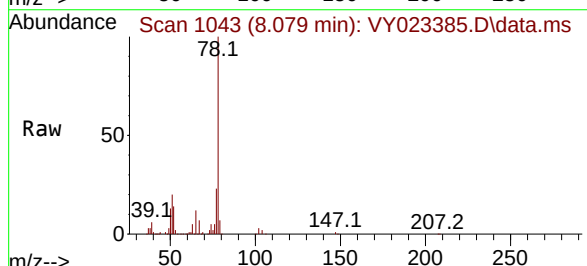
RT: 8.079 min Scan# 1043

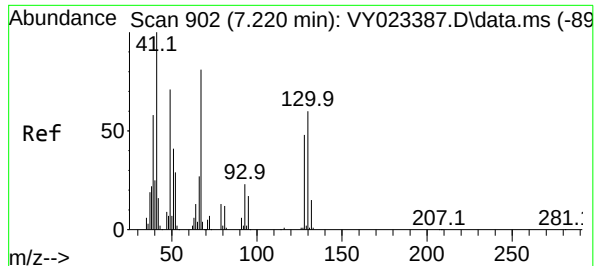
Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 220629 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 22.8  | 18.3  | 27.5   |





#41

Methacrylonitrile

Concen: 9.632 ug/l

RT: 7.225 min Scan# 902

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 41 Resp: 14344

Ion Ratio Lower Upper

41 100

39 49.9 52.2 78.4

67 90.2 74.9 112.3

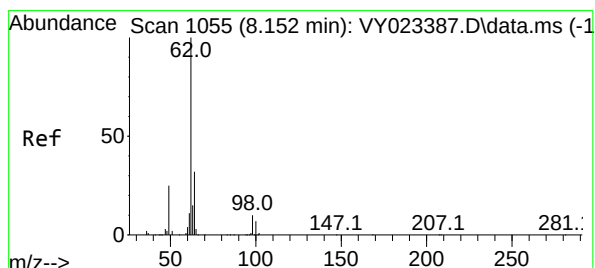
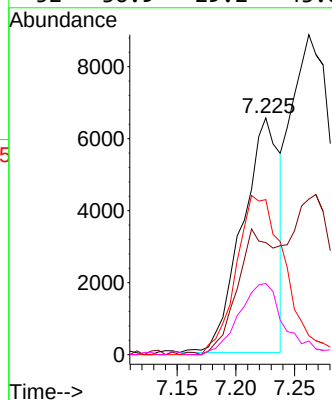
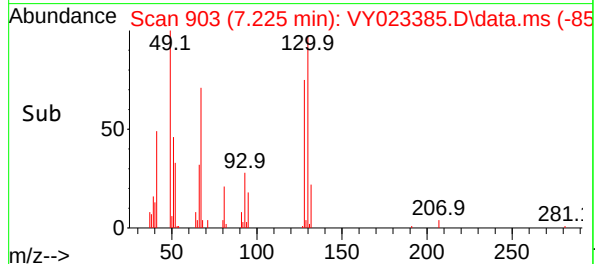
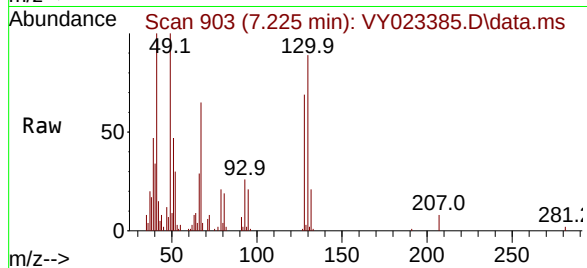
52 36.9 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#42

1,2-Dichloroethane

Concen: 10.174 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VY023385.D

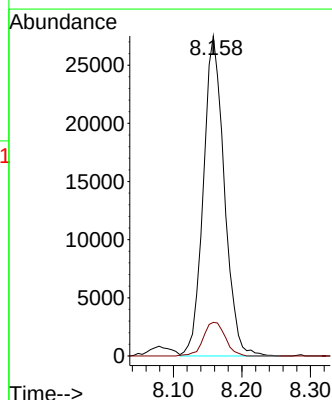
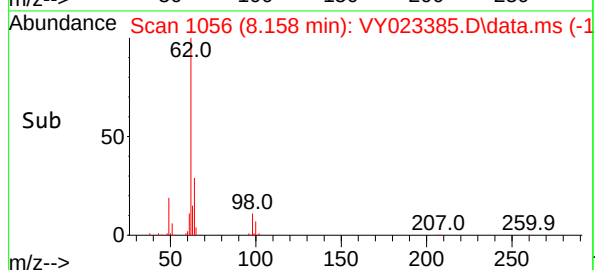
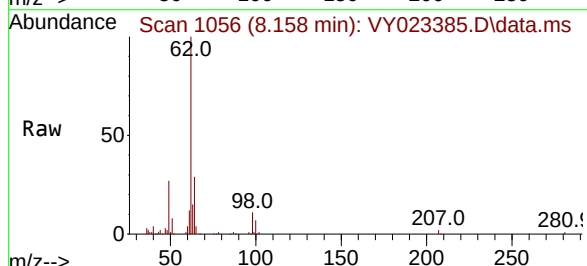
Acq: 07 Oct 2025 10:02

Tgt Ion: 62 Resp: 58541

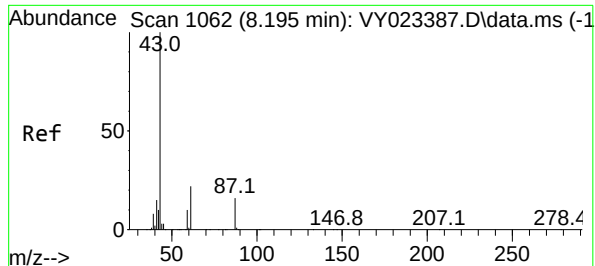
Ion Ratio Lower Upper

62 100

98 11.0 0.0 21.6







#43

Isopropyl Acetate

Concen: 9.510 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

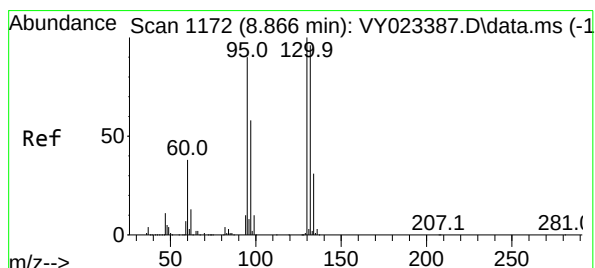
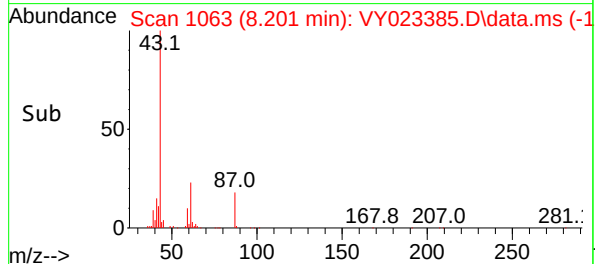
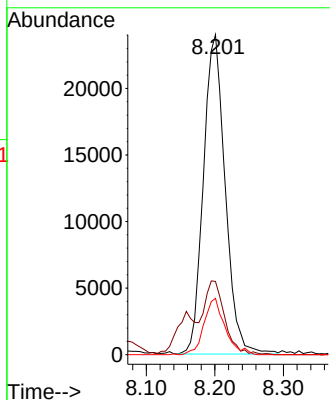
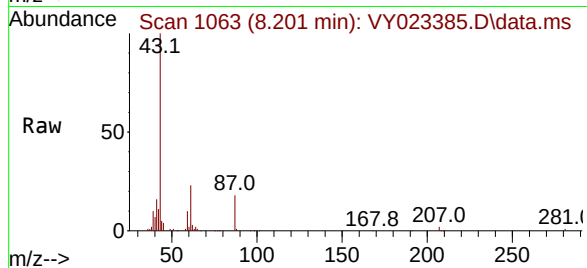
ClientSampleId :

VSTDICC010

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 5304     |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 21.4 18.1 27.1 |
| 87          | 17.0 13.5 20.3 |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#44

Trichloroethene

Concen: 10.171 ug/l

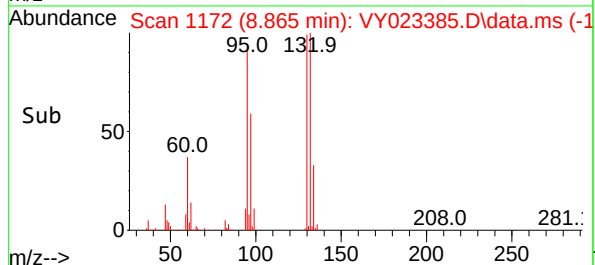
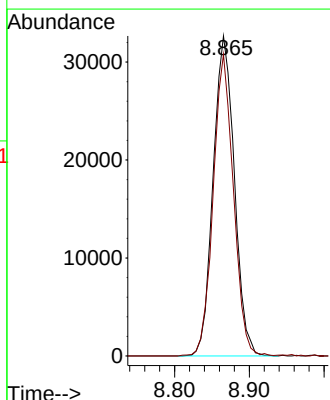
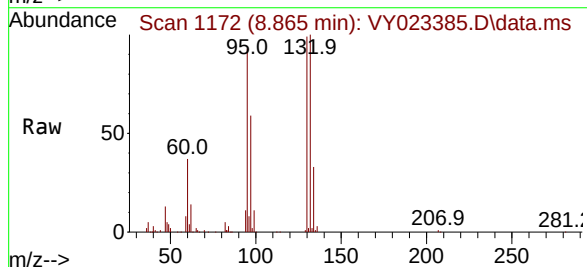
RT: 8.865 min Scan# 1172

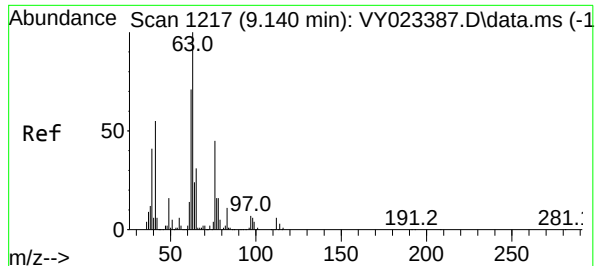
Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

|             |                |
|-------------|----------------|
| Tgt Ion:130 | Resp: 64537    |
| Ion Ratio   | Lower Upper    |
| 130         | 100            |
| 95          | 94.2 0.0 180.6 |





#45

1,2-Dichloropropane

Concen: 9.632 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 49009

Ion Ratio Lower Upper

63 100

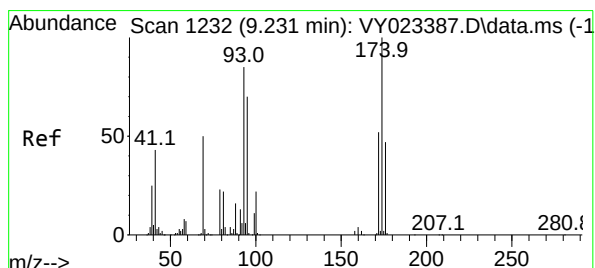
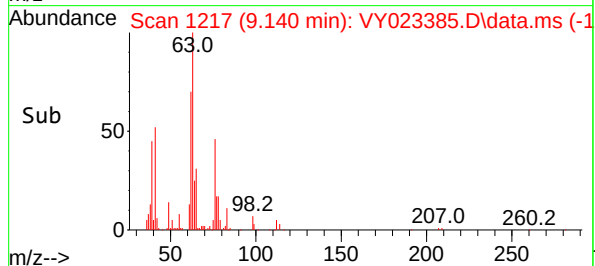
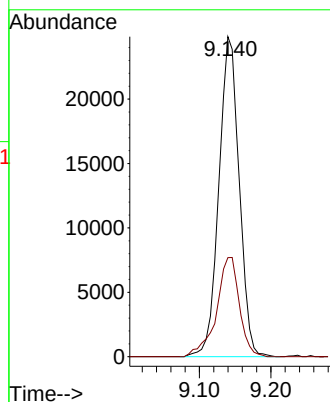
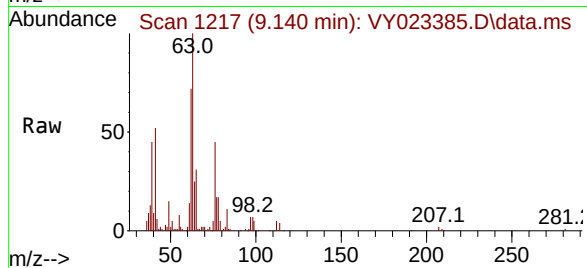
65 31.0 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

Concen: 9.890 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

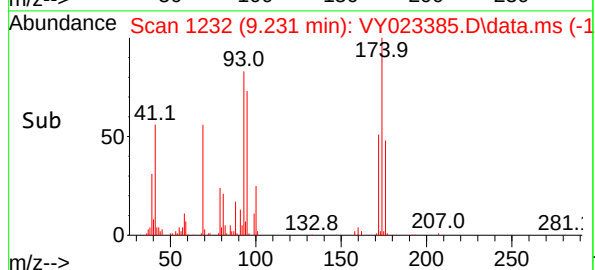
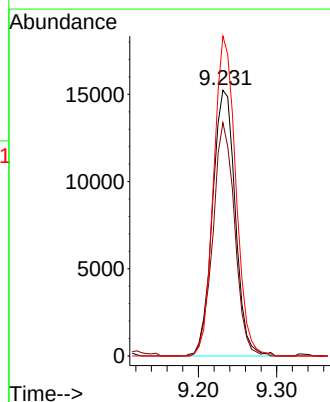
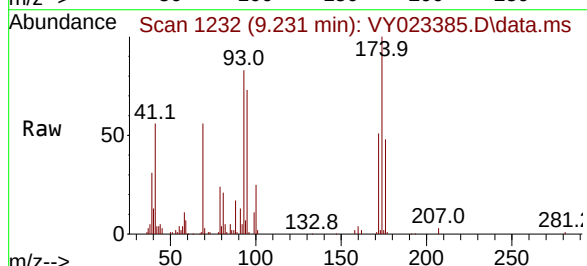
Tgt Ion: 93 Resp: 30780

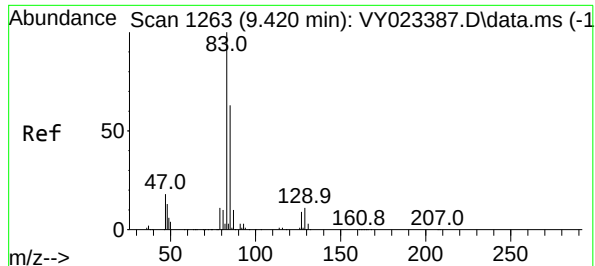
Ion Ratio Lower Upper

93 100

95 83.7 65.4 98.0

174 116.7 92.9 139.3





#47

Bromodichloromethane

Concen: 10.007 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

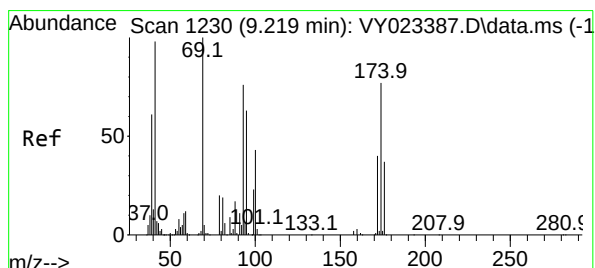
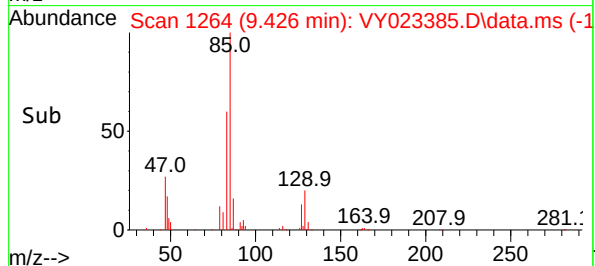
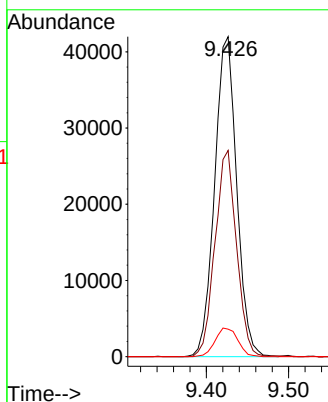
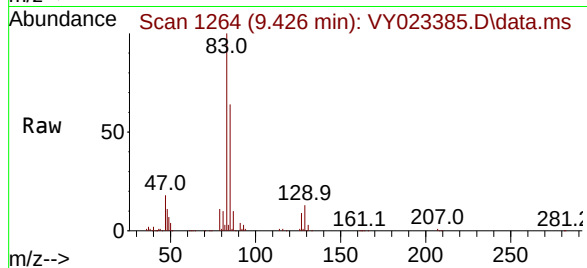
VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 7839  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.5  | 50.8  | 76.2  |
| 127      | 8.6   | 7.4   | 11.2  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#48

Methyl methacrylate

Concen: 9.023 ug/l

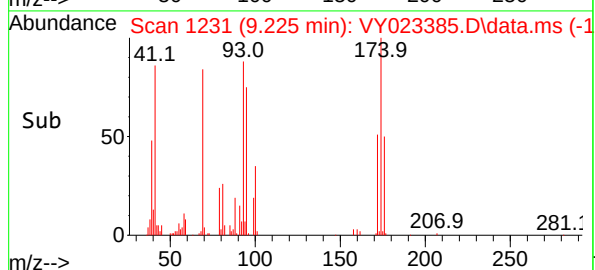
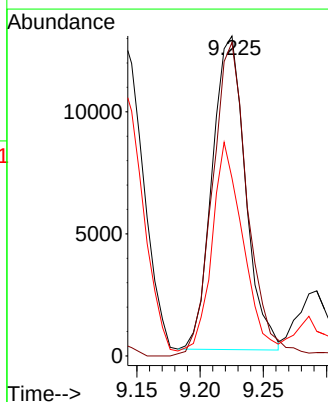
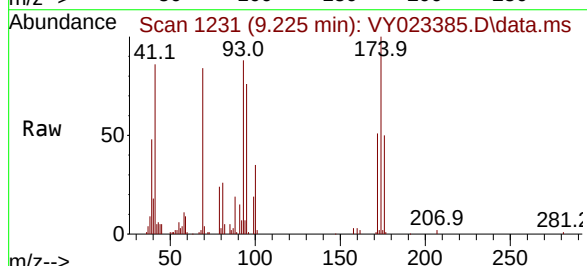
RT: 9.225 min Scan# 1231

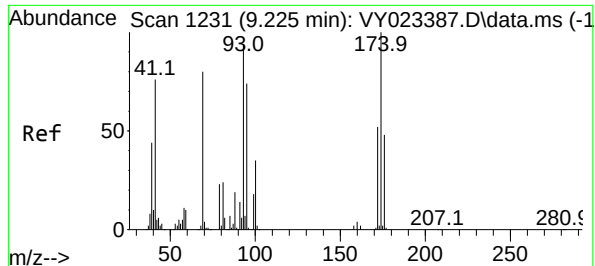
Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 23484 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 105.8 | 81.0  | 121.4 |
| 39       | 61.4  | 48.2  | 72.4  |





#49

1,4-Dioxane

Concen: 211.693 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

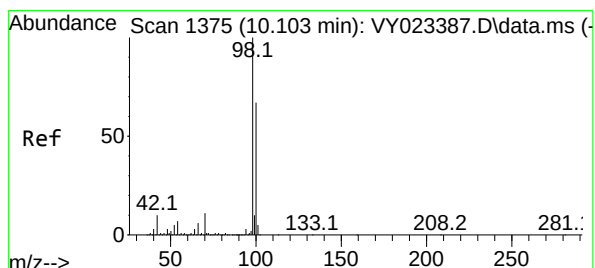
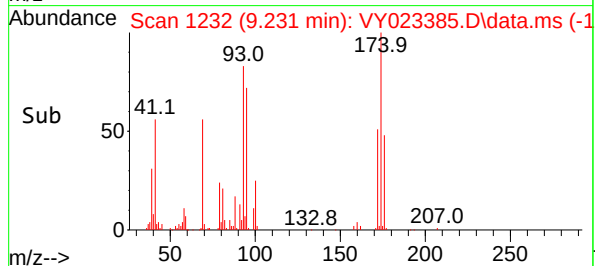
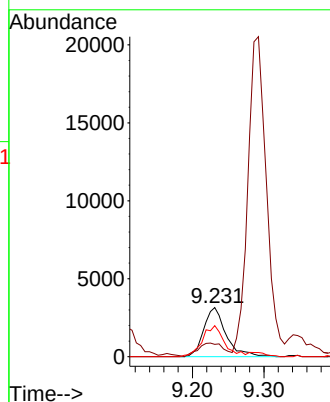
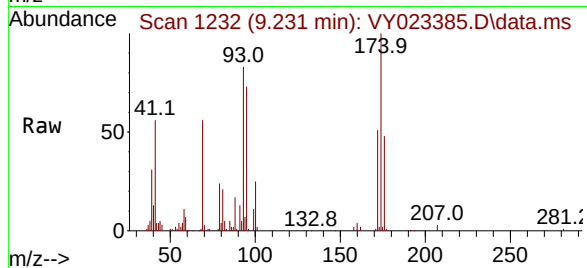
VSTDICC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 682   |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 32.1  | 21.8  | 32.8  |
| 58       | 62.0  | 46.8  | 70.2  |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#50

Toluene-d8

Concen: 10.225 ug/l

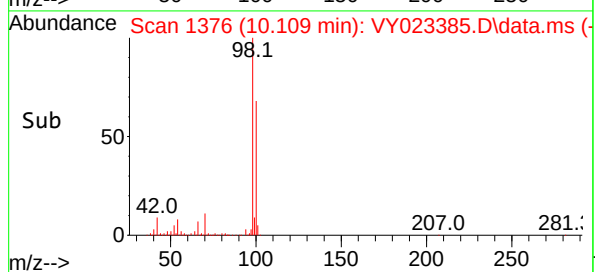
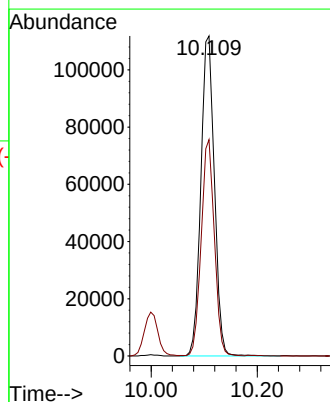
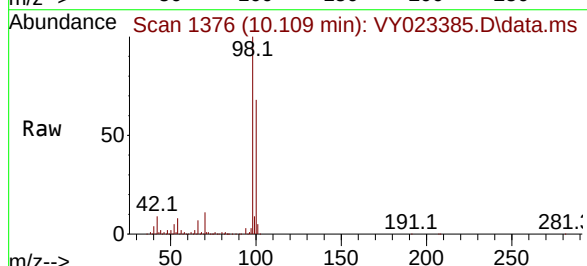
RT: 10.109 min Scan# 1376

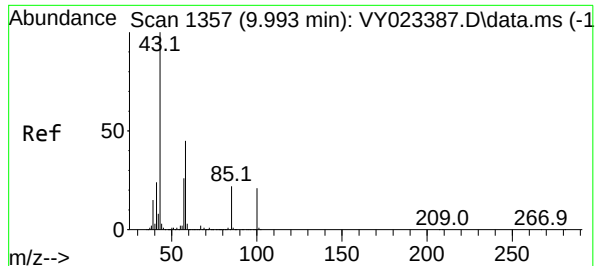
Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 198242 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.6  | 53.0  | 79.4   |





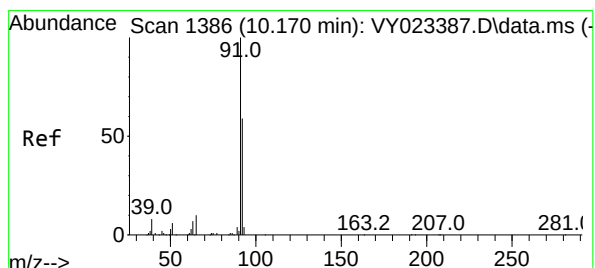
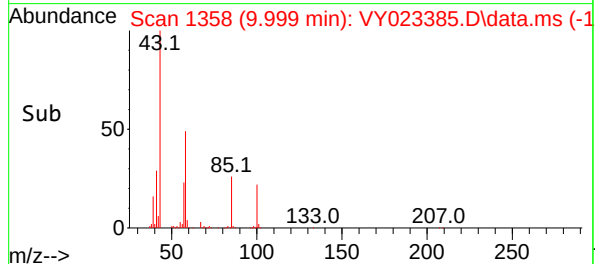
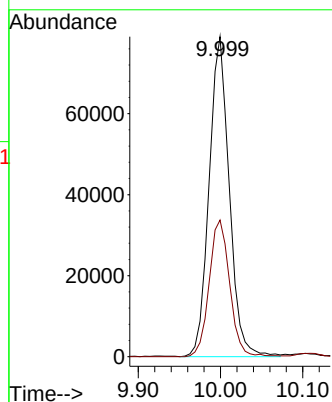
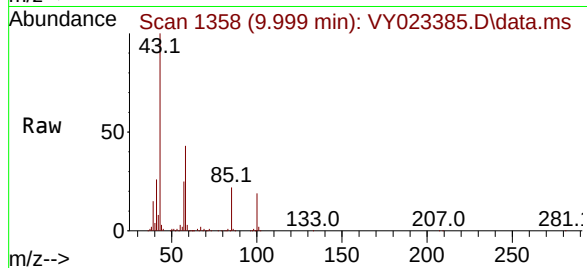
#51  
4-Methyl-2-Pentanone  
Concen: 47.165 ug/l  
RT: 9.999 min Scan# 1357  
Delta R.T. 0.006 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010

Tgt Ion: 43 Resp: 134740  
Ion Ratio Lower Upper  
43 100  
58 43.5 35.3 52.9

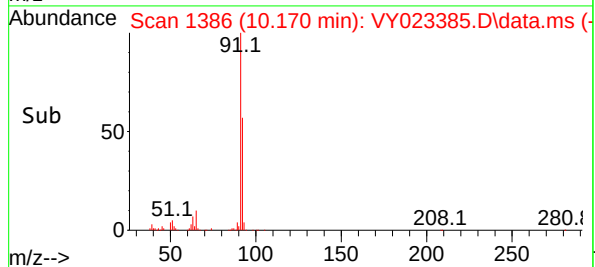
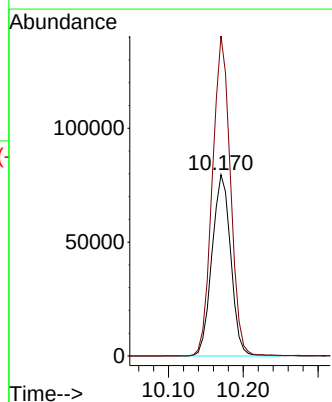
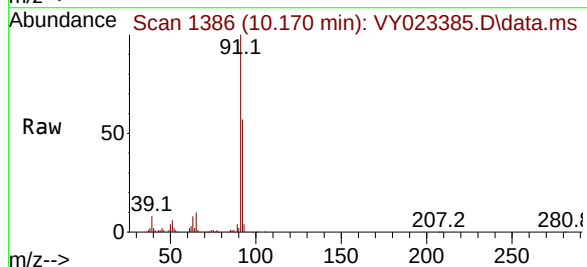
Manual Integrations  
APPROVED

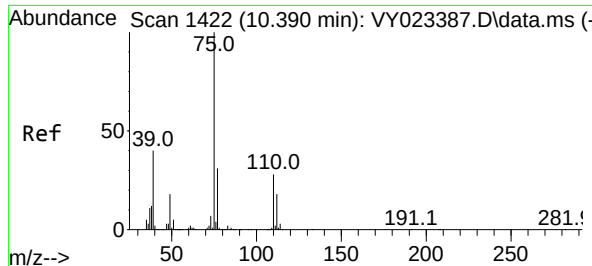
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#52  
Toluene  
Concen: 9.661 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Tgt Ion: 92 Resp: 138662  
Ion Ratio Lower Upper  
92 100  
91 170.6 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 9.559 ug/l

RT: 10.396 min Scan# 1422

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 75 Resp: 6431

Ion Ratio Lower Upper

75 100

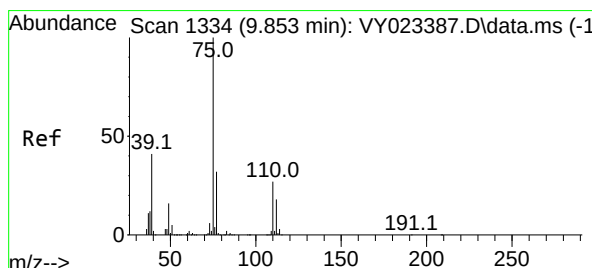
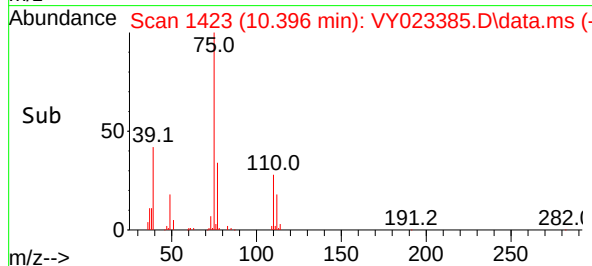
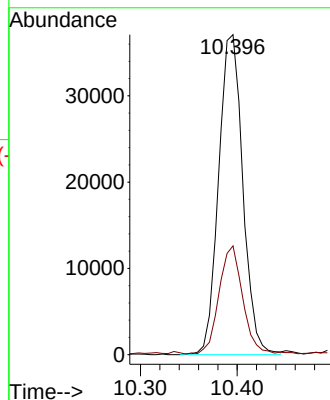
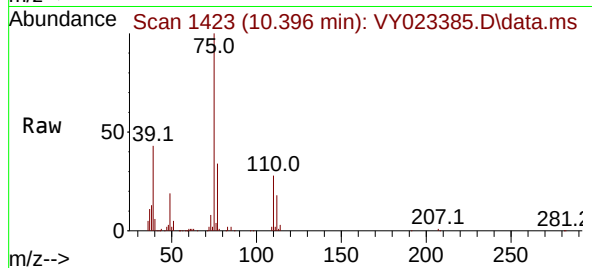
77 33.4 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#54

cis-1,3-Dichloropropene

Concen: 9.687 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

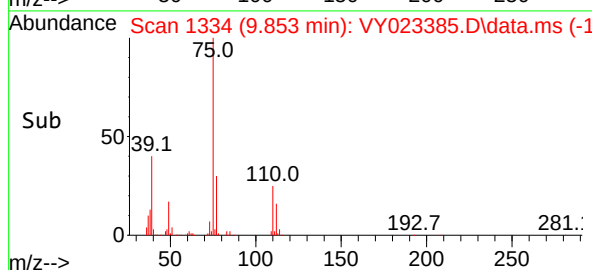
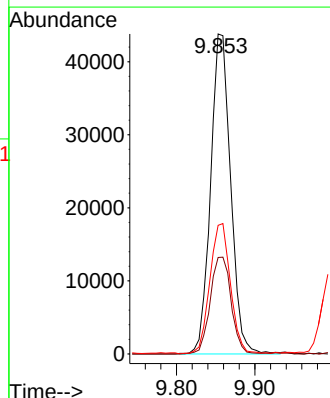
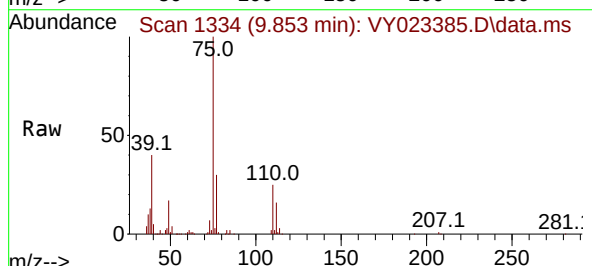
Tgt Ion: 75 Resp: 77905

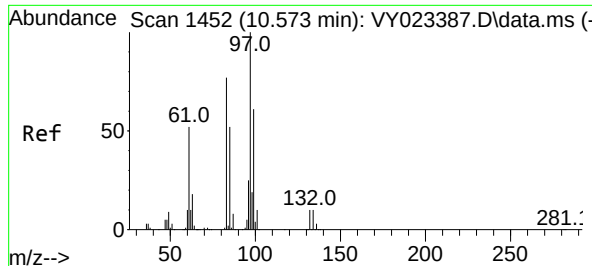
Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.0

39 40.2 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 10.118 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 97 Resp: 4188

Ion Ratio Lower Upper

97 100

83 90.6 61.8 92.6

85 53.8 41.3 61.9

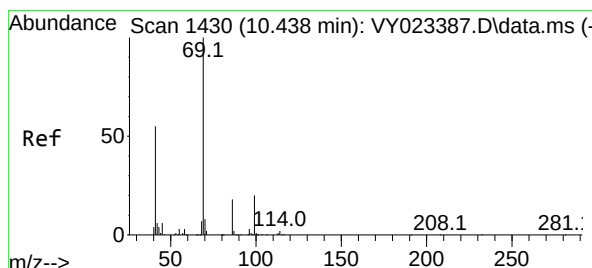
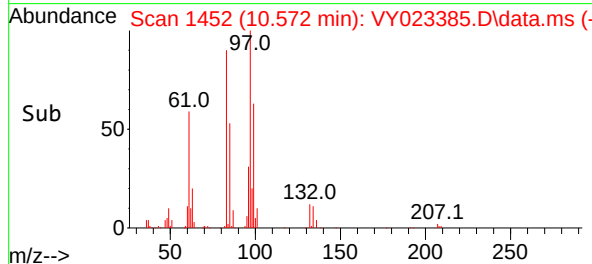
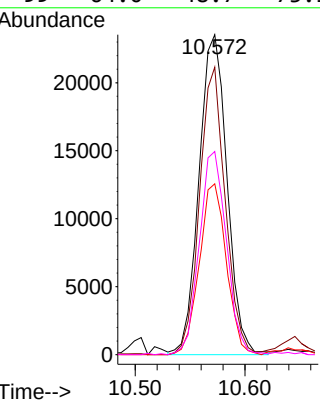
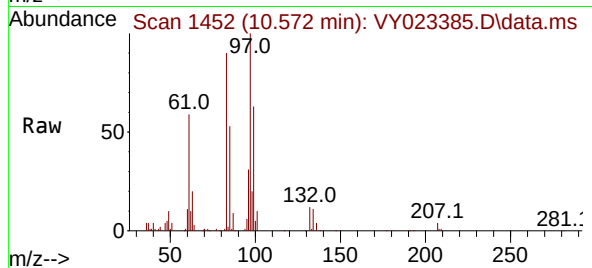
99 64.0 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#56

Ethyl methacrylate

Concen: 8.830 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

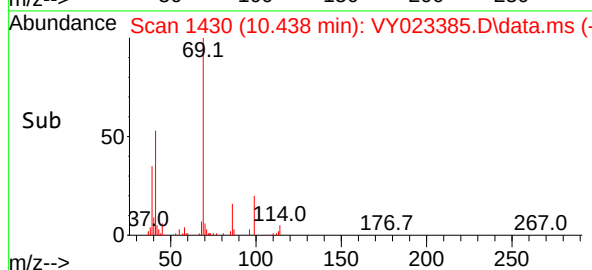
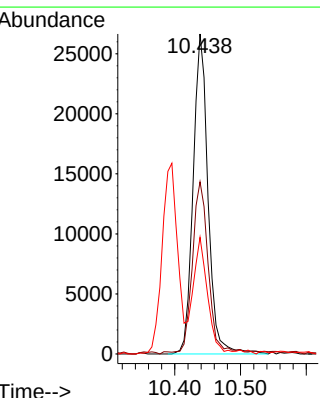
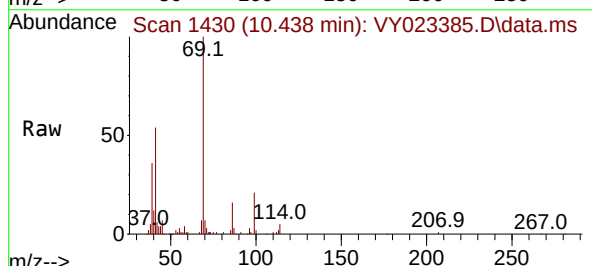
Tgt Ion: 69 Resp: 42096

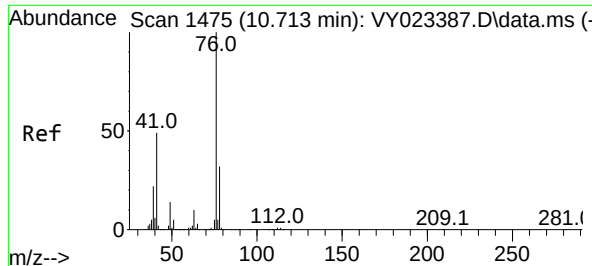
Ion Ratio Lower Upper

69 100

41 58.1 44.6 67.0

39 34.5 27.0 40.4





#57

1,3-Dichloropropane

Concen: 9.633 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 6453

Ion Ratio Lower Upper

76 100

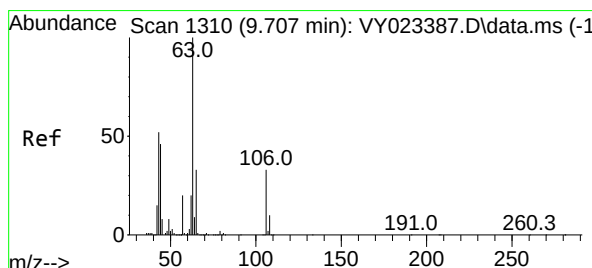
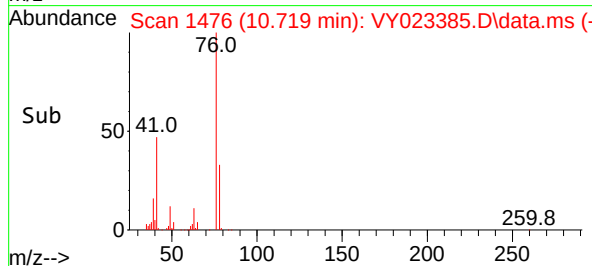
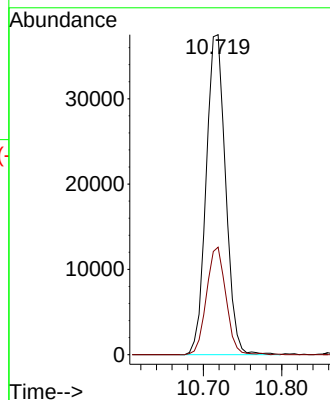
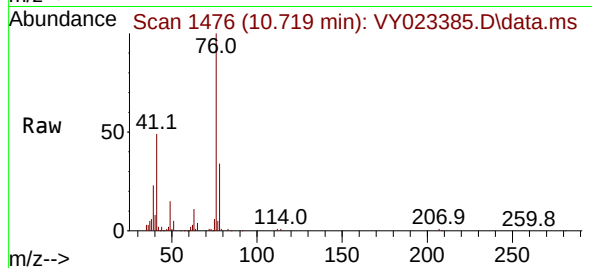
78 33.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#58

2-Chloroethyl Vinyl ether

Concen: 45.535 ug/l m

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023385.D

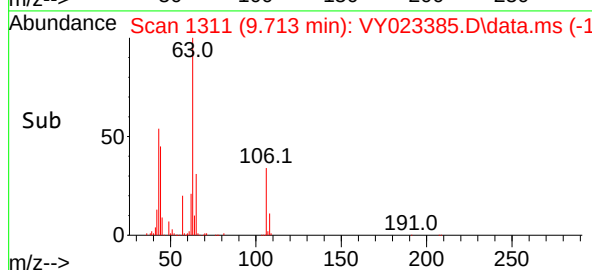
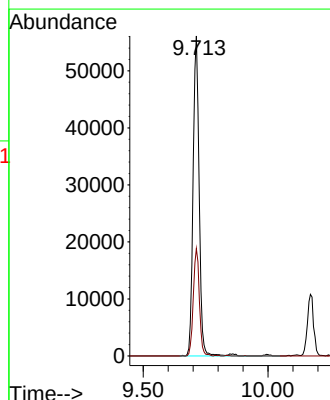
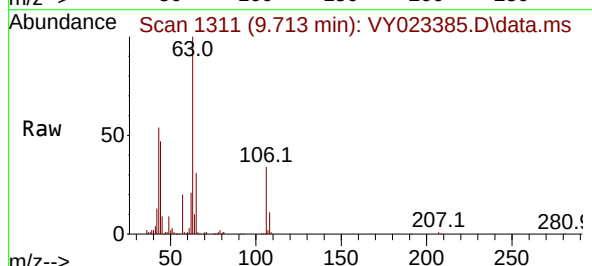
Acq: 07 Oct 2025 10:02

Tgt Ion: 63 Resp: 94970

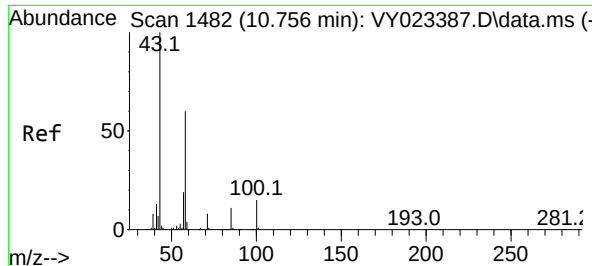
Ion Ratio Lower Upper

63 100

106 33.4 26.6 39.8







#59

2-Hexanone

Concen: 50.138 ug/l

RT: 10.761 min Scan# 1482

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 9917

Ion Ratio Lower Upper

43 100

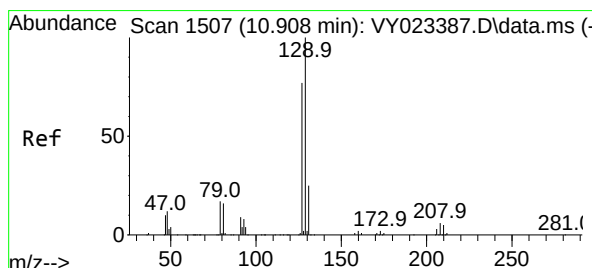
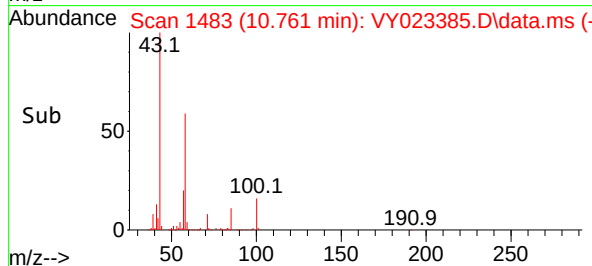
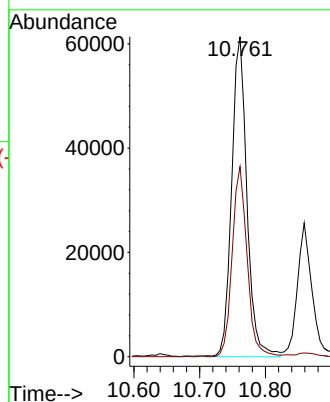
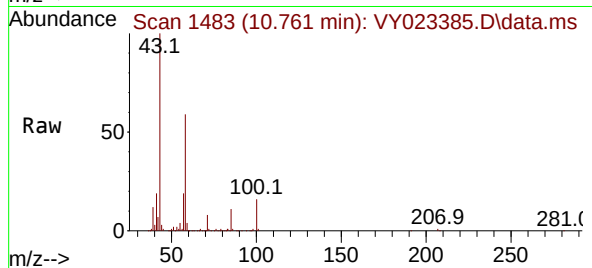
58 58.0 30.5 91.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#60

Dibromochloromethane

Concen: 10.123 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.000 min

Lab File: VY023385.D

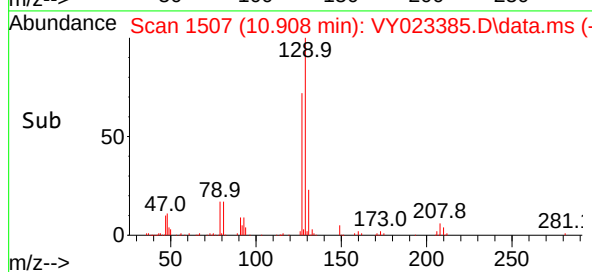
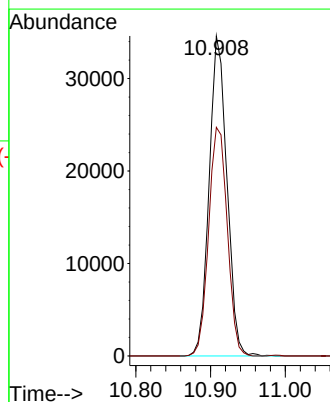
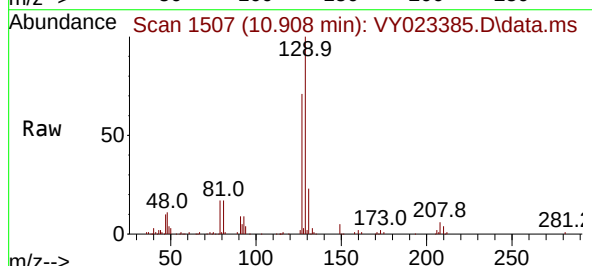
Acq: 07 Oct 2025 10:02

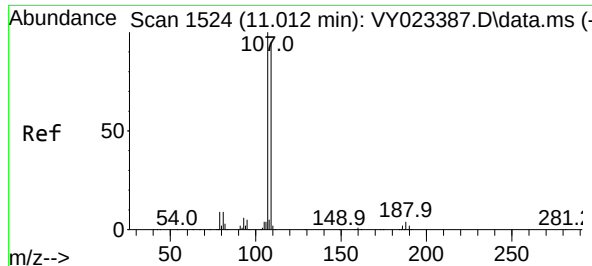
Tgt Ion:129 Resp: 57151

Ion Ratio Lower Upper

129 100

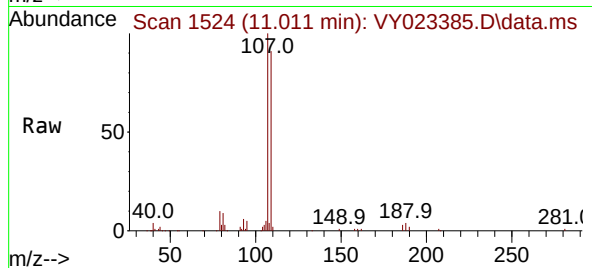
127 74.9 38.6 115.7





#61  
1,2-Dibromoethane  
Concen: 9.979 ug/l  
RT: 11.011 min Scan# 1524  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

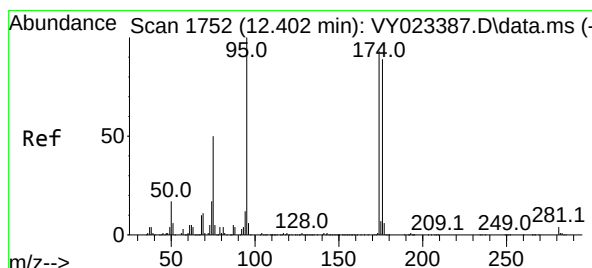
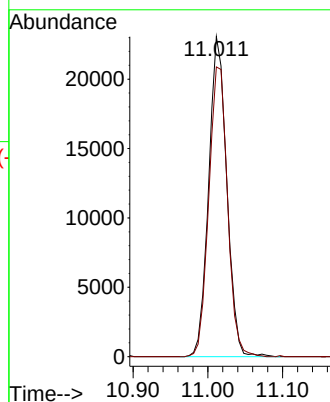
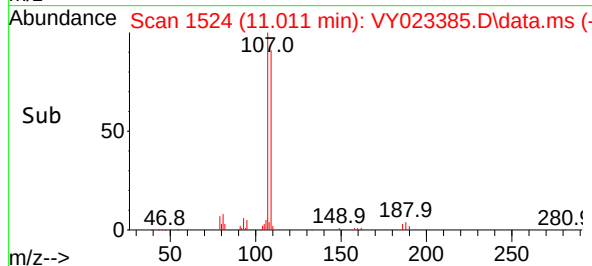
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC010



Tgt Ion: 107 Resp: 3886  
Ion Ratio Lower Upper  
107 100  
109 93.8 76.1 114.1

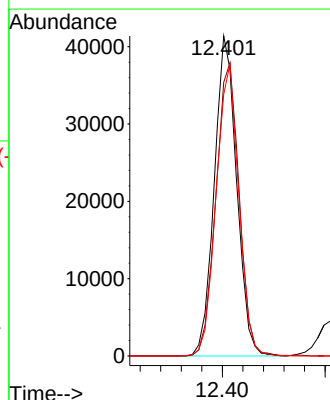
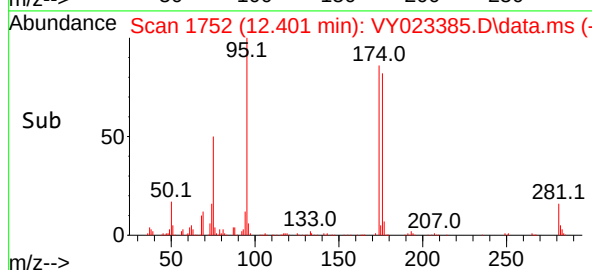
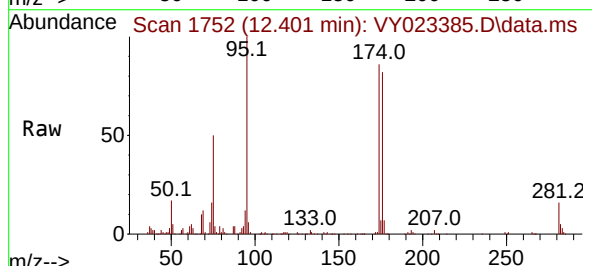
Manual Integrations  
APPROVED

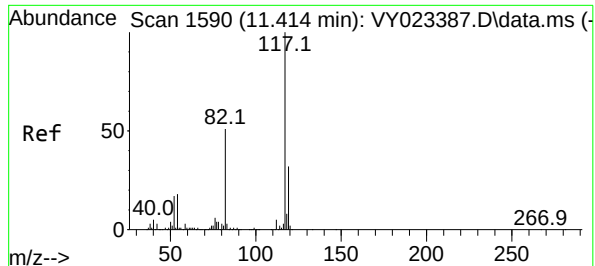
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#62  
4-Bromofluorobenzene  
Concen: 10.235 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

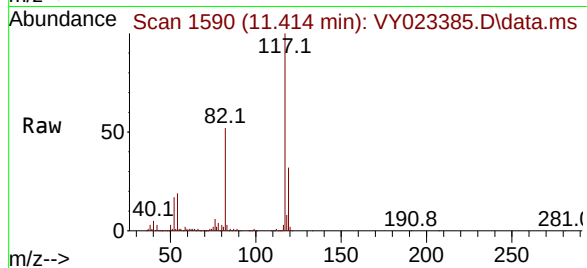
Tgt Ion: 95 Resp: 62601  
Ion Ratio Lower Upper  
95 100  
174 94.6 0.0 192.8  
176 92.1 0.0 187.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

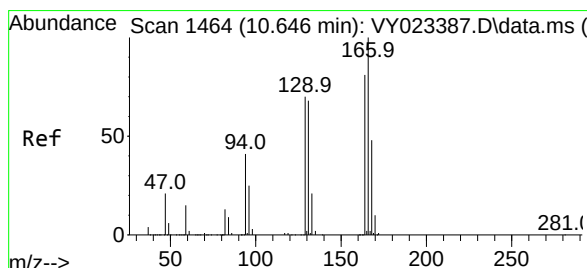
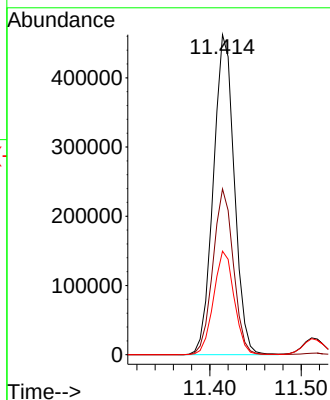
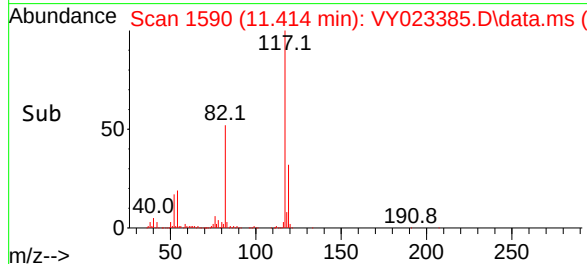
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010



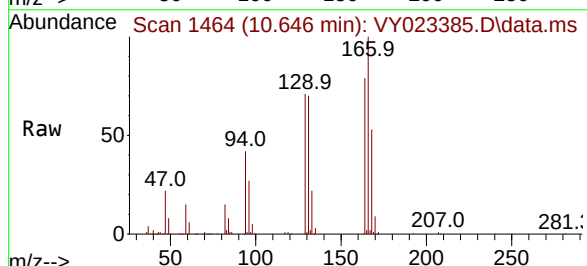
Tgt Ion:117 Resp: 736152  
Ion Ratio Lower Upper  
117 100  
82 51.8 41.0 61.4  
119 32.3 25.6 38.4

Manual Integrations  
APPROVED

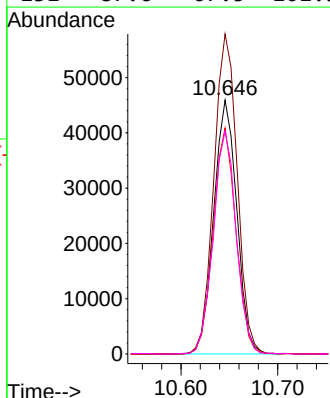
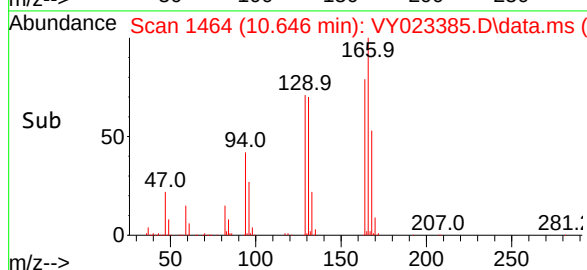
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

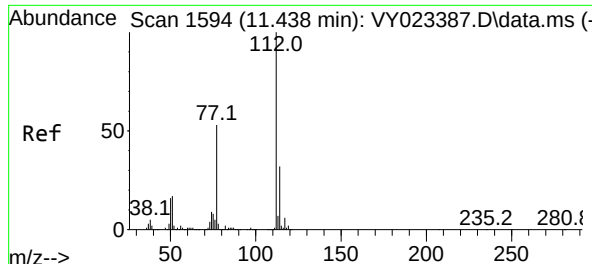


#64  
Tetrachloroethene  
Concen: 10.335 ug/l  
RT: 10.646 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02



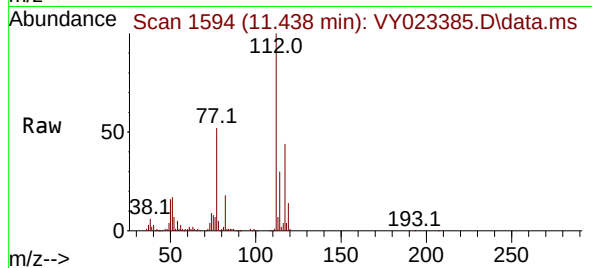
Tgt Ion:164 Resp: 76110  
Ion Ratio Lower Upper  
164 100  
166 126.1 99.4 149.0  
129 89.0 69.4 104.2  
131 87.6 67.5 101.3





#65  
Chlorobenzene  
Concen: 10.074 ug/l  
RT: 11.438 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

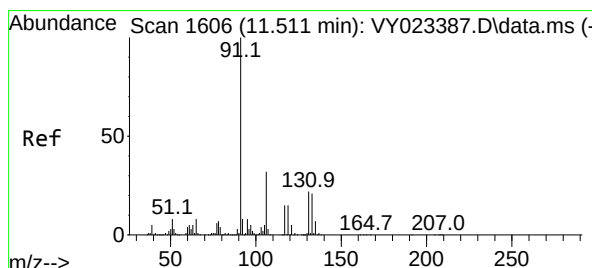
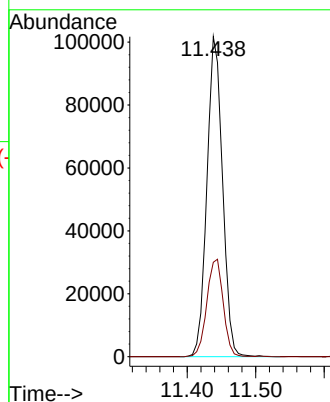
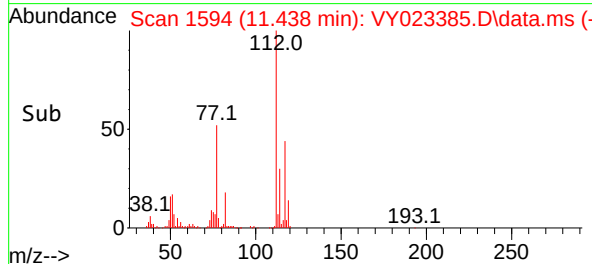
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010



Tgt Ion:112 Resp: 16115  
Ion Ratio Lower Upper  
112 100  
114 29.5 25.6 38.4

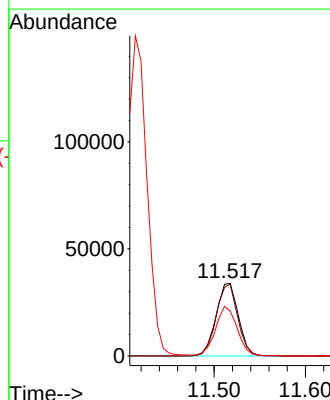
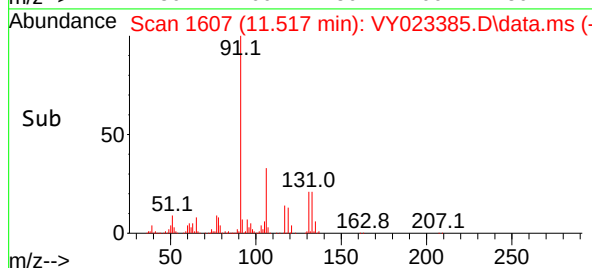
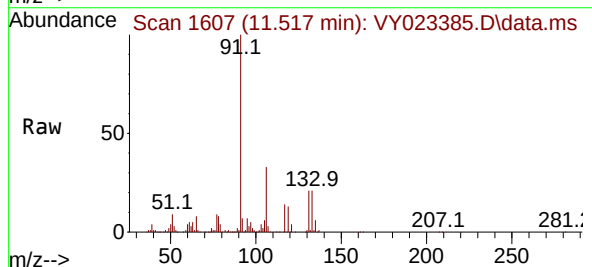
Manual Integrations  
APPROVED

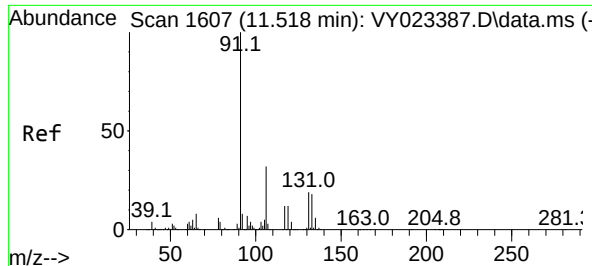
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#66  
1,1,1,2-Tetrachloroethane  
Concen: 10.173 ug/l  
RT: 11.517 min Scan# 1607  
Delta R.T. 0.006 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Tgt Ion:131 Resp: 57233  
Ion Ratio Lower Upper  
131 100  
133 95.8 48.4 145.2  
119 66.9 32.4 97.2





#67

Ethyl Benzene

Concen: 9.651 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 251958

Ion Ratio Lower Upper

91 100

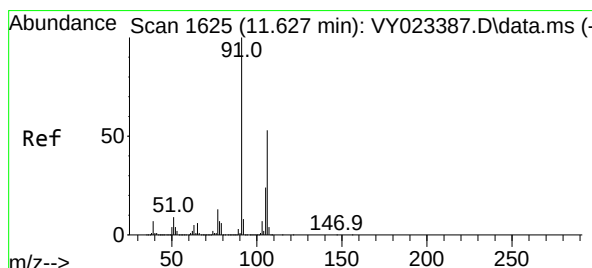
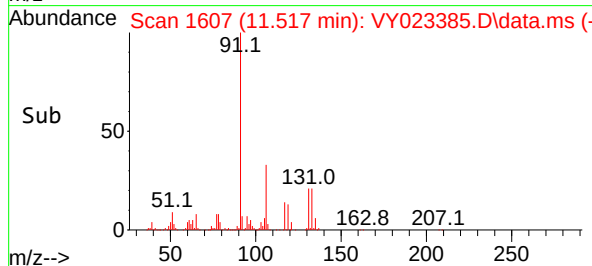
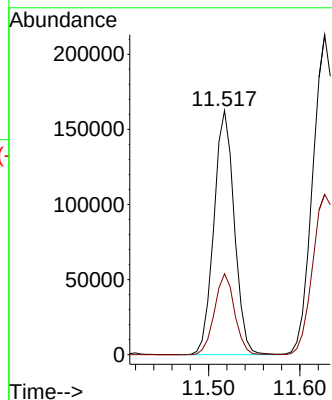
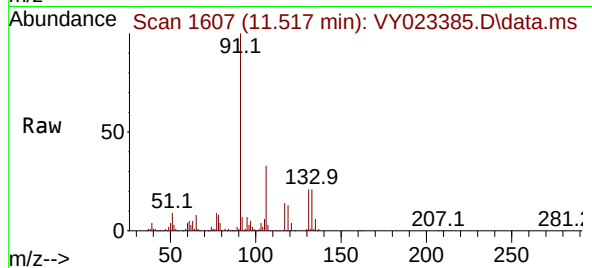
106 33.1 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#68

m/p-Xylenes

Concen: 19.004 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023385.D

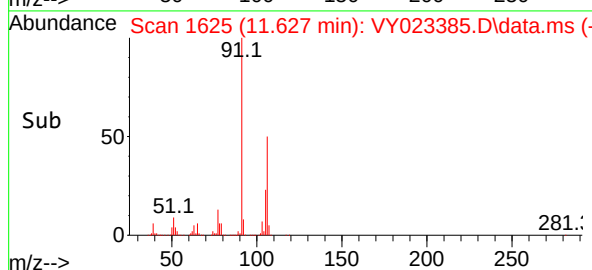
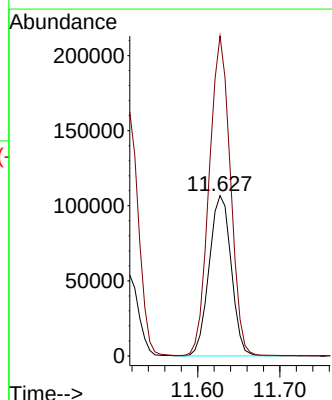
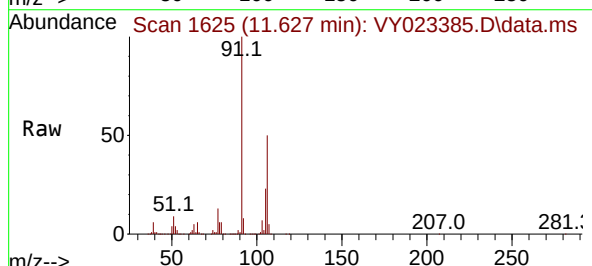
Acq: 07 Oct 2025 10:02

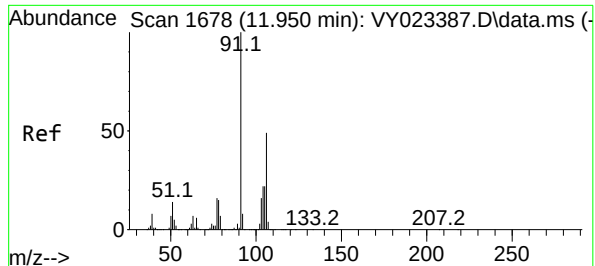
Tgt Ion:106 Resp: 198866

Ion Ratio Lower Upper

106 100

91 192.3 152.6 229.0





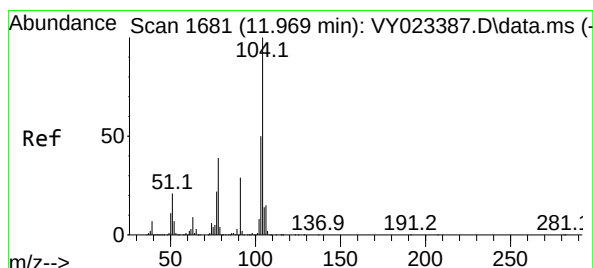
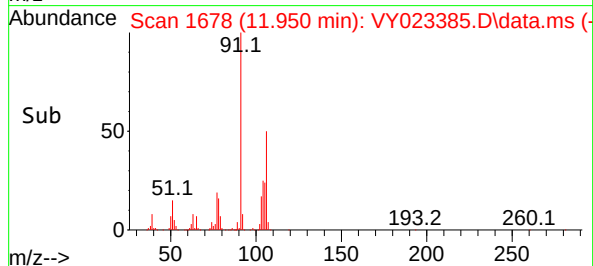
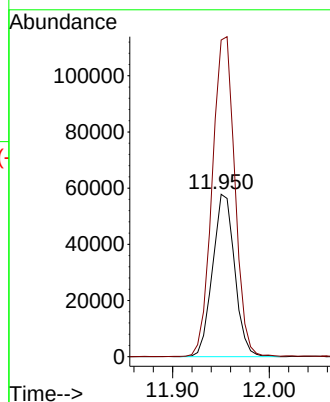
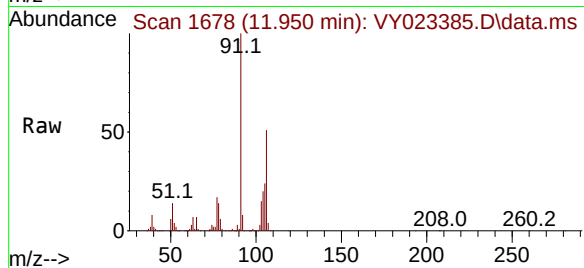
#69  
o-Xylene  
Concen: 9.467 ug/l  
RT: 11.950 min Scan# 1678  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC010

Tgt Ion:106 Resp: 91710  
Ion Ratio Lower Upper  
106 100  
91 202.0 101.4 304.1

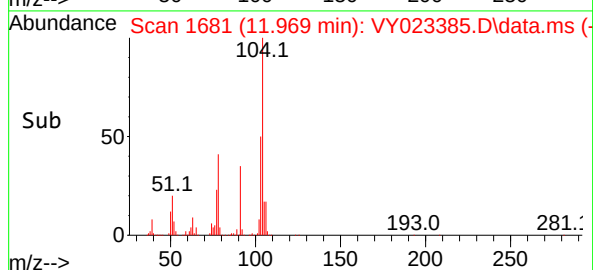
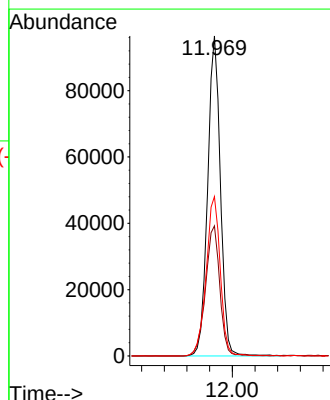
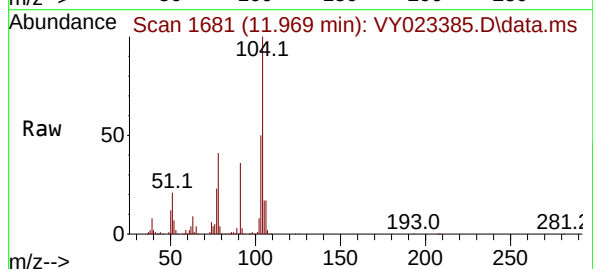
Manual Integrations  
APPROVED

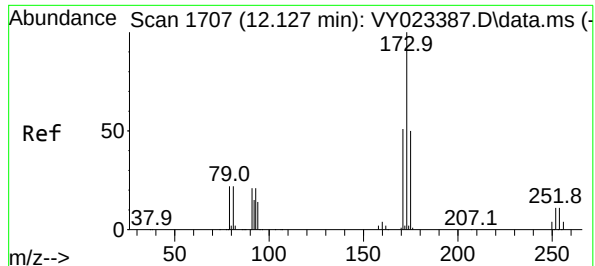
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#70  
Styrene  
Concen: 9.446 ug/l  
RT: 11.969 min Scan# 1681  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

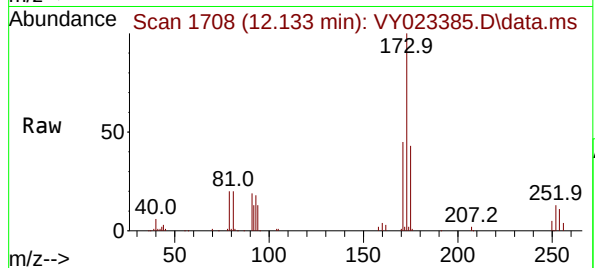
Tgt Ion:104 Resp: 151094  
Ion Ratio Lower Upper  
104 100  
78 45.4 36.1 54.1  
103 55.0 43.2 64.8





#71  
Bromoform  
Concen: 10.595 ug/l  
RT: 12.133 min Scan# 1708  
Delta R.T. 0.006 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

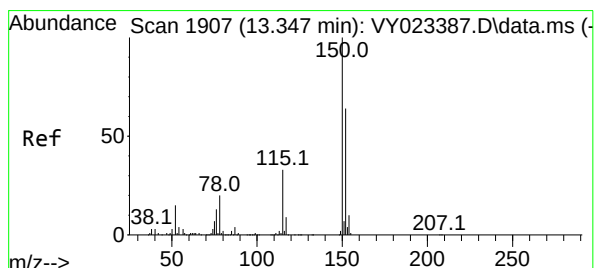
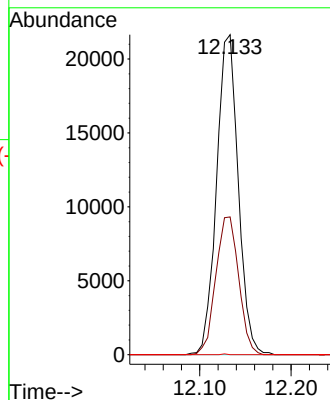
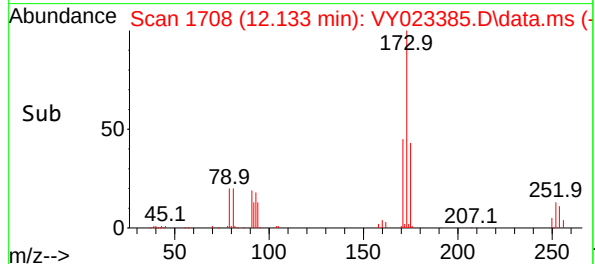
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010



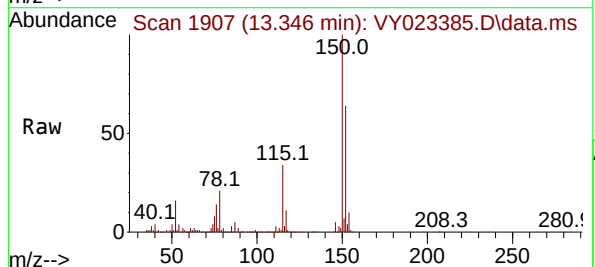
Tgt Ion:173 Resp: 3568  
Ion Ratio Lower Upper  
173 100  
175 45.5 24.8 74.3  
254 0.1 0.1 0.1

Manual Integrations  
APPROVED

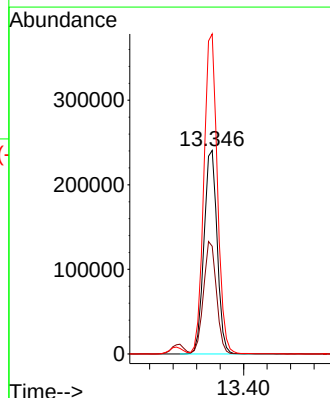
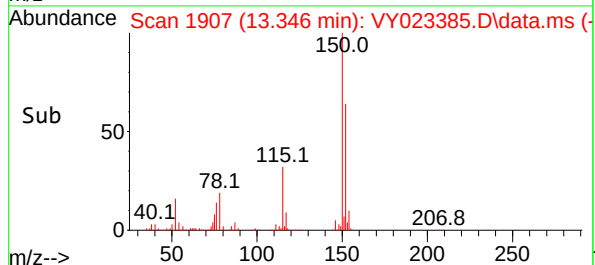
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

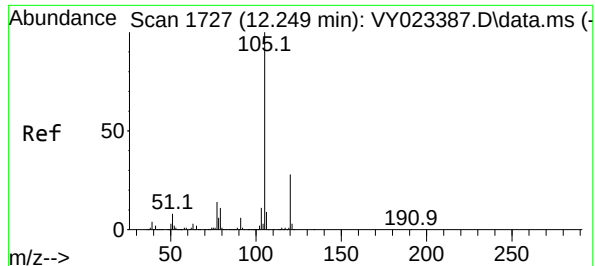


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02



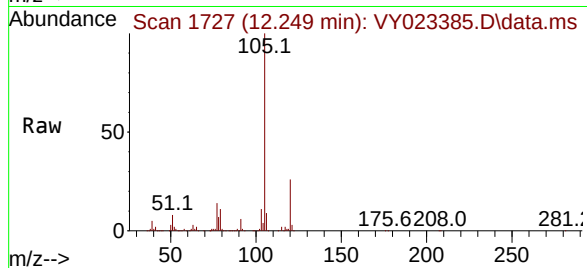
Tgt Ion:152 Resp: 374998  
Ion Ratio Lower Upper  
152 100  
115 54.2 27.1 81.2  
150 160.7 0.0 347.4





#73  
Isopropylbenzene  
Concen: 9.467 ug/l  
RT: 12.249 min Scan# 1727  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

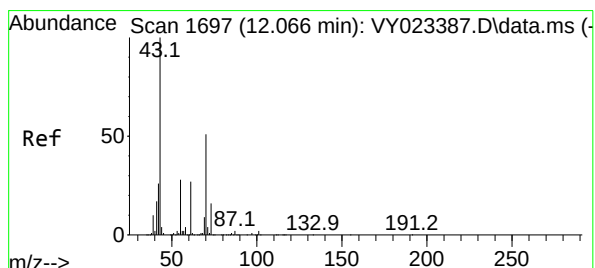
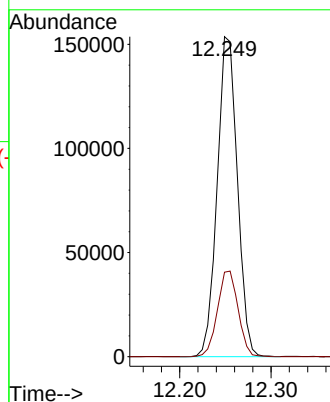
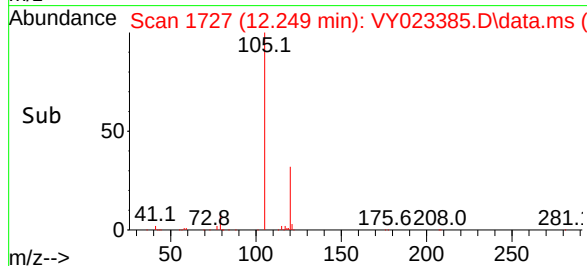
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010



Tgt Ion:105 Resp: 236489  
Ion Ratio Lower Upper  
105 100  
120 27.3 13.9 41.7

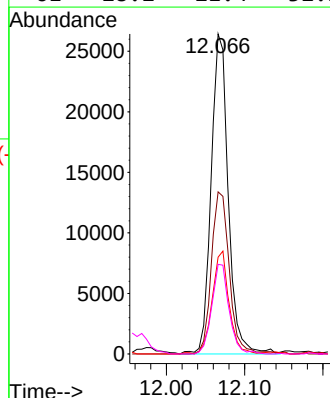
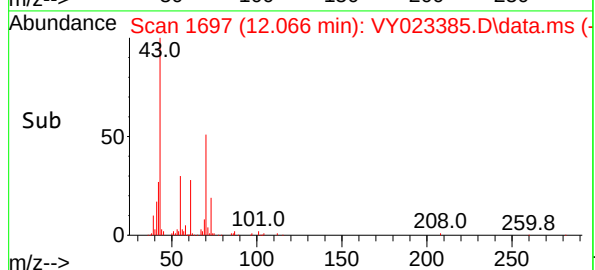
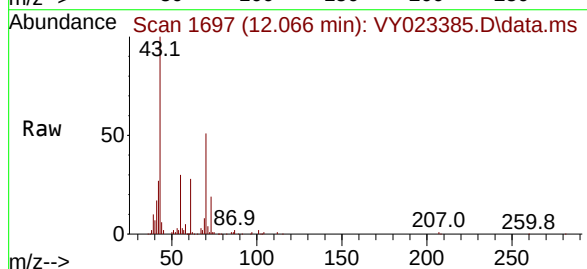
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

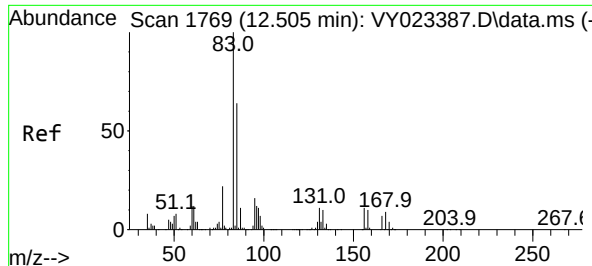


#74  
N-ethyl acetate  
Concen: 8.590 ug/l  
RT: 12.066 min Scan# 1697  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 40098  
Ion Ratio Lower Upper  
43 100  
70 52.7 41.1 61.7  
55 31.6 23.0 34.6  
61 28.2 21.4 32.2







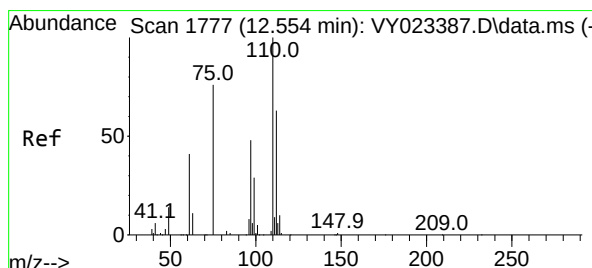
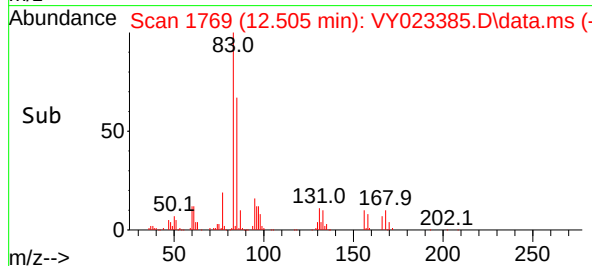
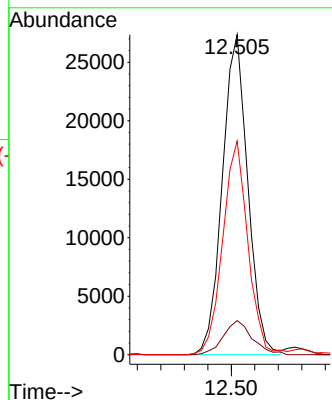
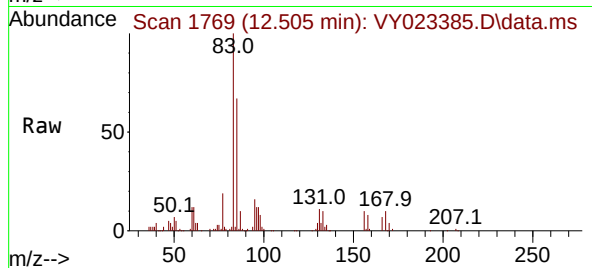
#75  
1,1,2,2-Tetrachloroethane  
Concen: 9.871 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010

Tgt Ion: 83 Resp: 41130  
Ion Ratio Lower Upper  
83 100  
131 12.0 5.9 17.6  
85 66.1 31.8 95.3

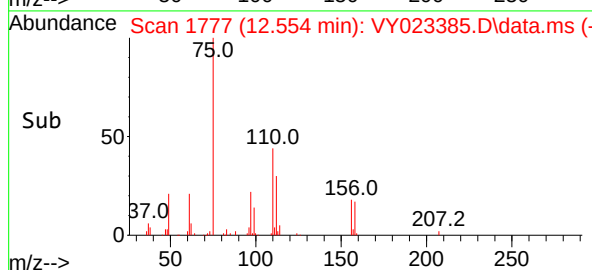
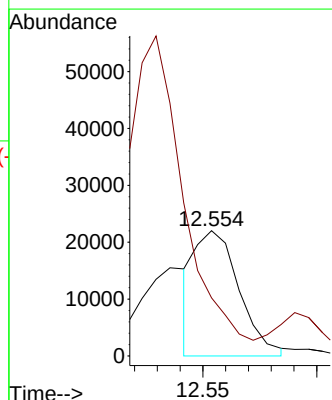
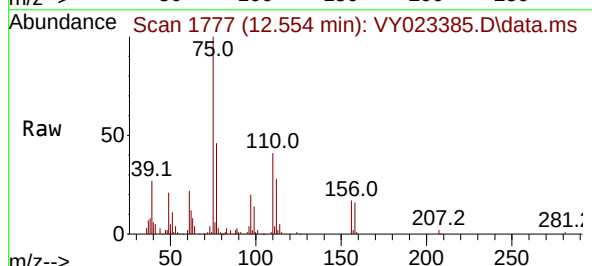
Manual Integrations  
APPROVED

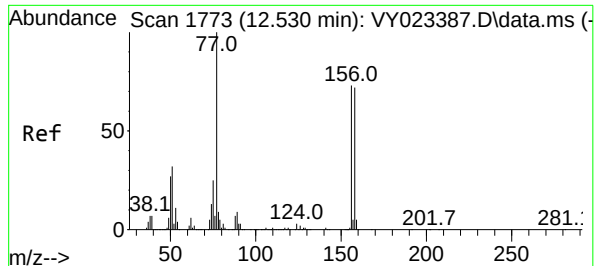
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#76  
1,2,3-Trichloropropane  
Concen: 8.095 ug/l m  
RT: 12.554 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

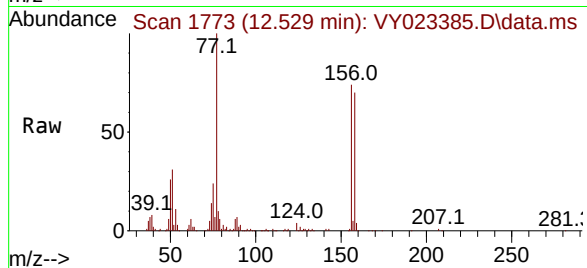
Tgt Ion: 75 Resp: 29944  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77  
Bromobenzene  
Concen: 10.295 ug/l  
RT: 12.529 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

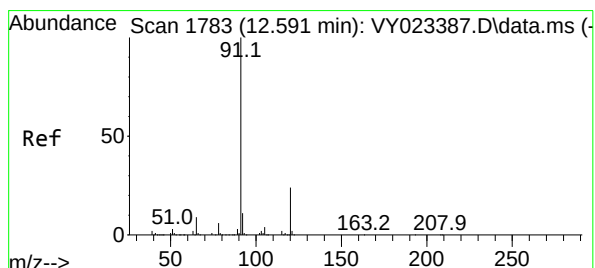
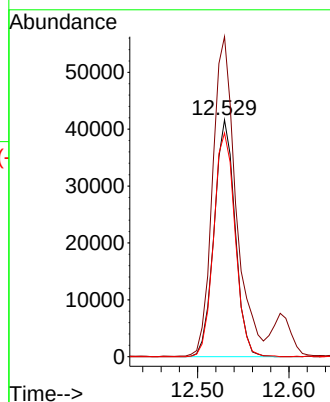
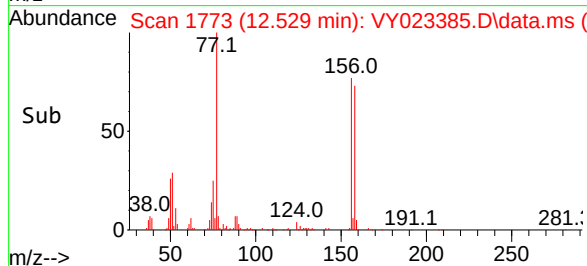
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010



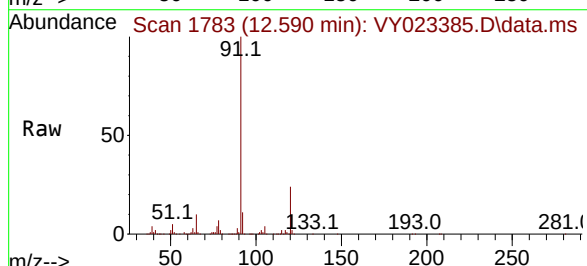
Tgt Ion:156 Resp: 6600  
Ion Ratio Lower Upper  
156 100  
77 151.8 76.8 230.5  
158 97.0 49.0 147.2

Manual Integrations  
APPROVED

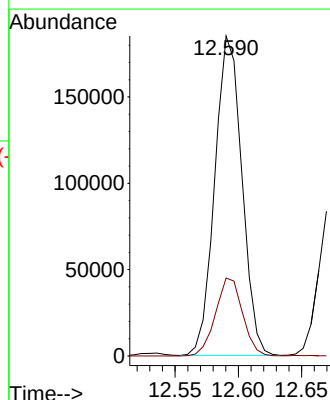
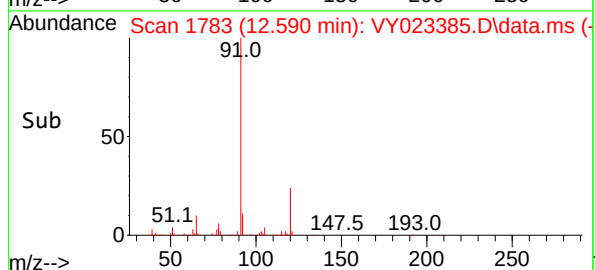
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

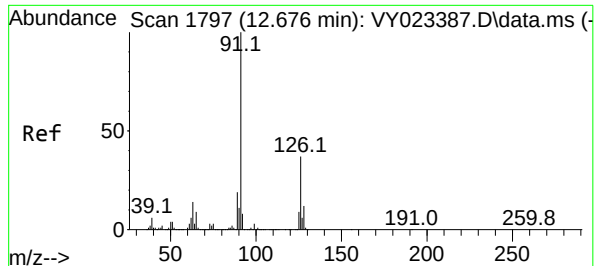


#78  
n-propylbenzene  
Concen: 9.384 ug/l  
RT: 12.590 min Scan# 1783  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02



Tgt Ion: 91 Resp: 275671  
Ion Ratio Lower Upper  
91 100  
120 24.4 12.3 36.8





#79

2-Chlorotoluene

Concen: 9.762 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 16558

Ion Ratio Lower Upper

91 100

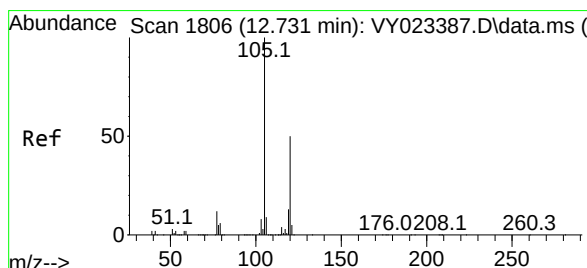
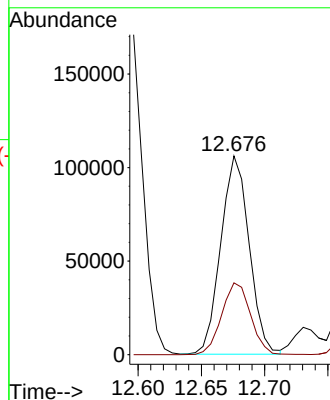
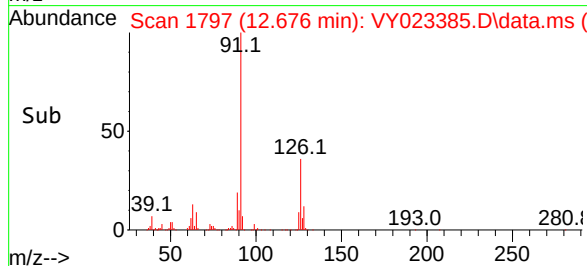
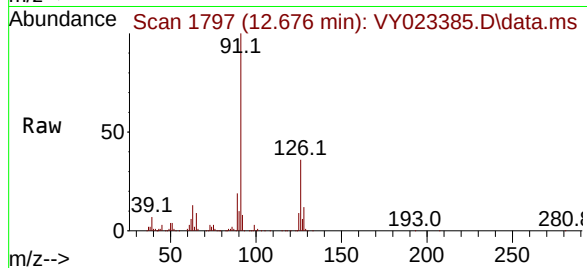
126 36.9 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 9.445 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VY023385.D

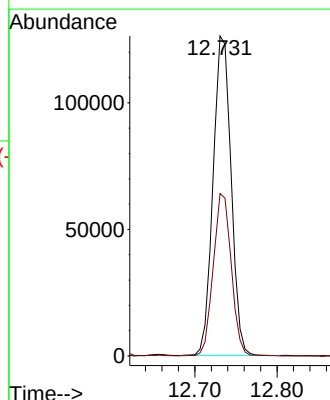
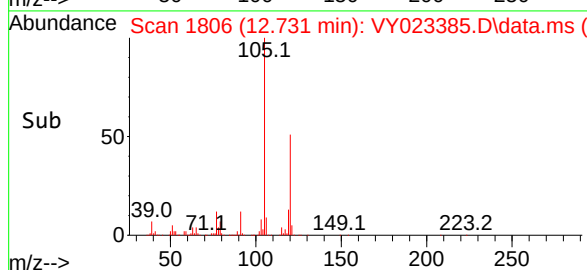
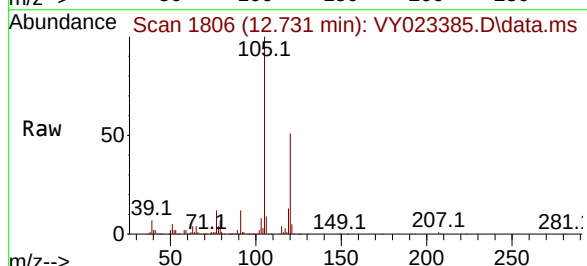
Acq: 07 Oct 2025 10:02

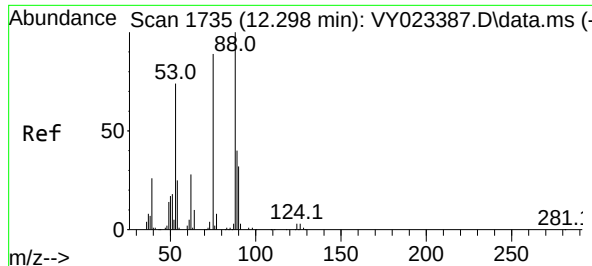
Tgt Ion:105 Resp: 191799

Ion Ratio Lower Upper

105 100

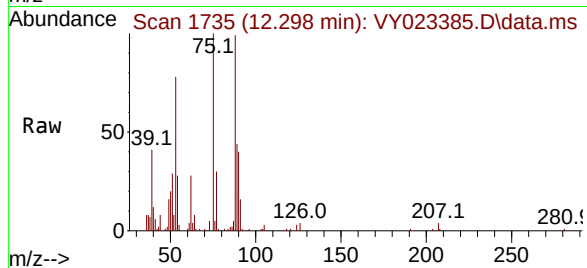
120 50.9 25.4 76.4





#81  
trans-1,4-Dichloro-2-butene  
Concen: 9.556 ug/l  
RT: 12.298 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

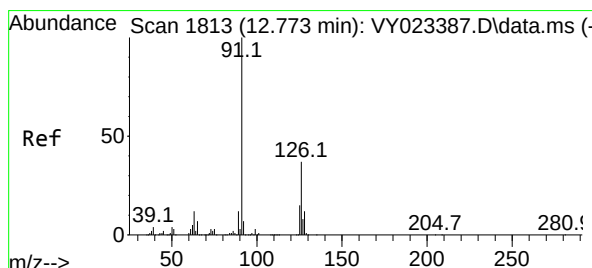
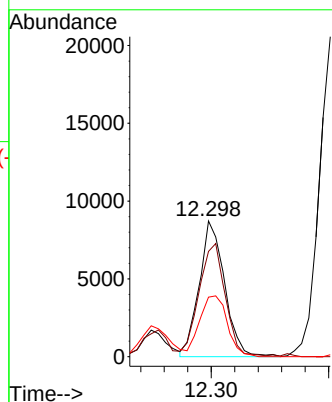
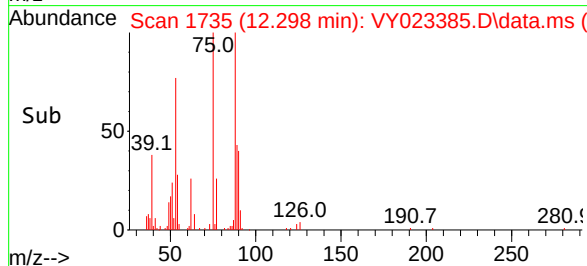
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC010



Tgt Ion: 75 Resp: 13110  
Ion Ratio Lower Upper  
75 100  
53 84.6 68.6 102.8  
89 48.5 39.0 58.4

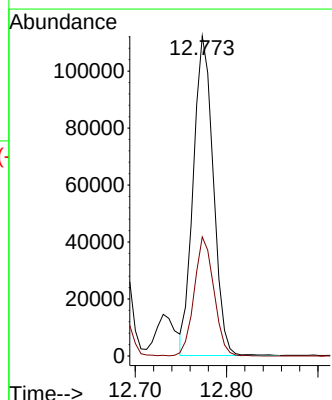
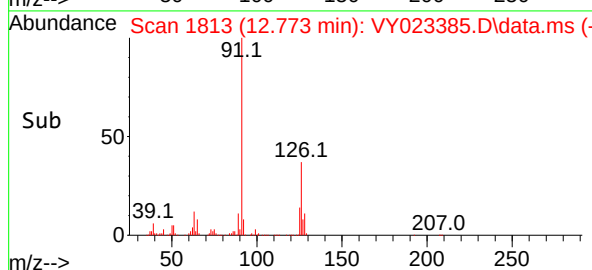
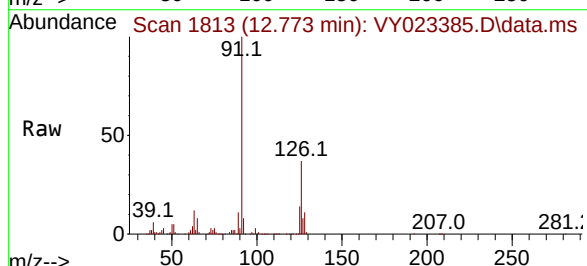
Manual Integrations  
APPROVED

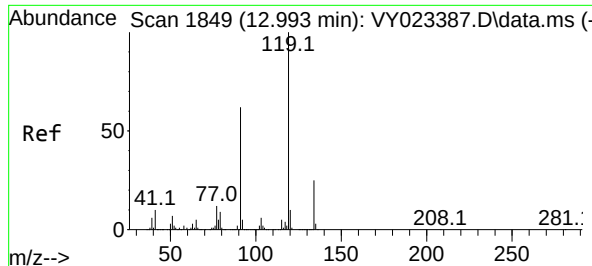
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#82  
4-Chlorotoluene  
Concen: 9.595 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

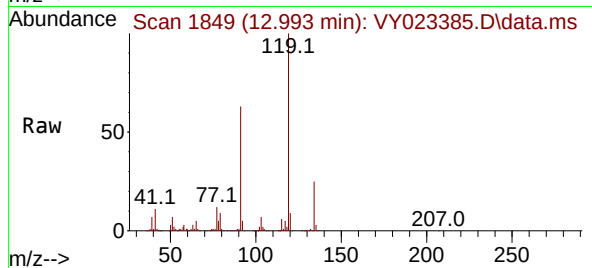
Tgt Ion: 91 Resp: 169968  
Ion Ratio Lower Upper  
91 100  
126 36.8 18.4 55.4





#83  
tert-Butylbenzene  
Concen: 9.579 ug/l  
RT: 12.993 min Scan# 1849  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

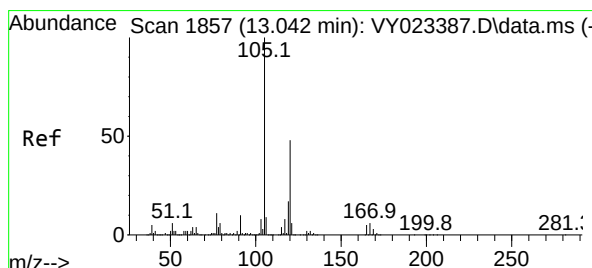
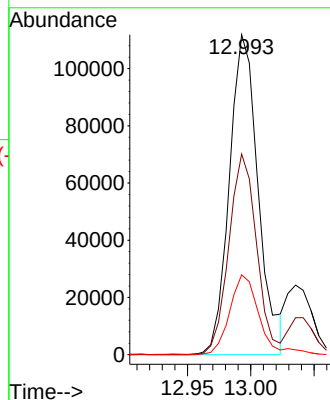
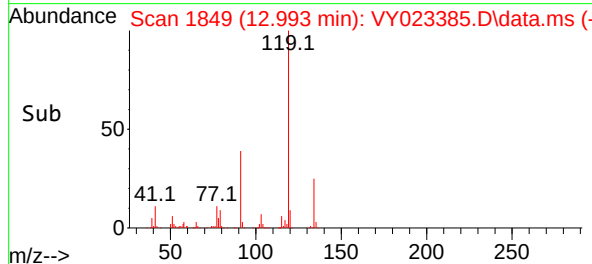
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010



Tgt Ion:119 Resp: 177250  
Ion Ratio Lower Upper  
119 100  
91 60.5 29.9 89.8  
134 25.6 12.9 38.7

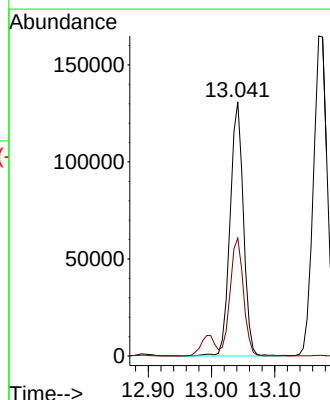
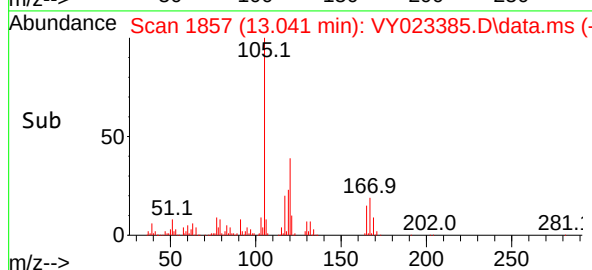
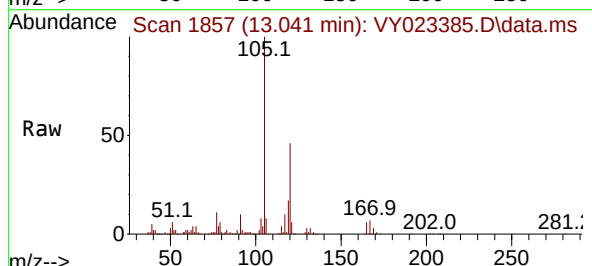
Manual Integrations  
APPROVED

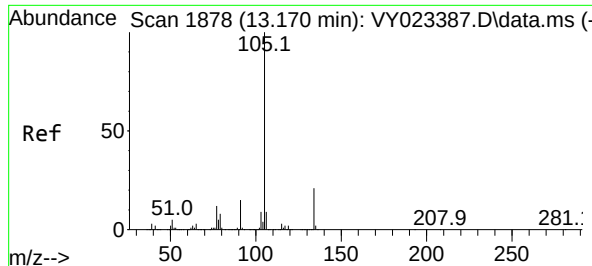
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#84  
1,2,4-Trimethylbenzene  
Concen: 9.528 ug/l  
RT: 13.041 min Scan# 1857  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

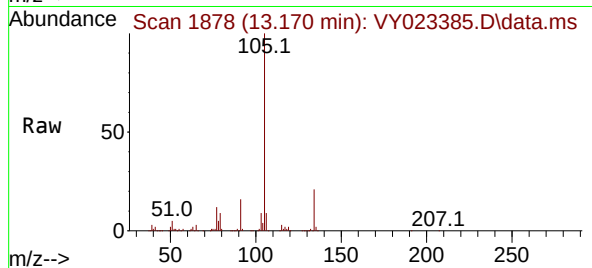
Tgt Ion:105 Resp: 191423  
Ion Ratio Lower Upper  
105 100  
120 46.4 23.8 71.2





#85  
sec-Butylbenzene  
Concen: 9.483 ug/l  
RT: 13.170 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

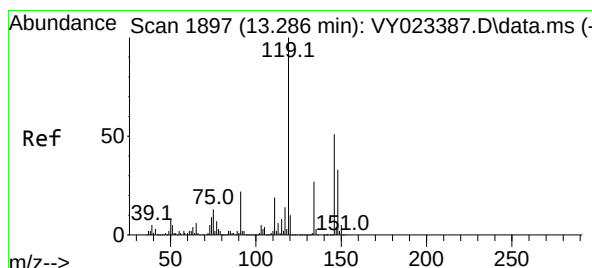
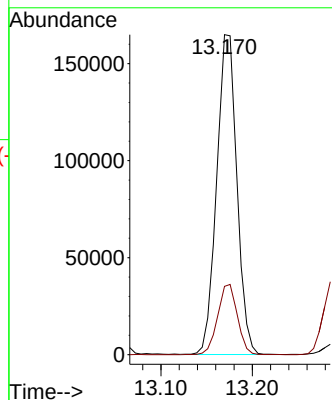
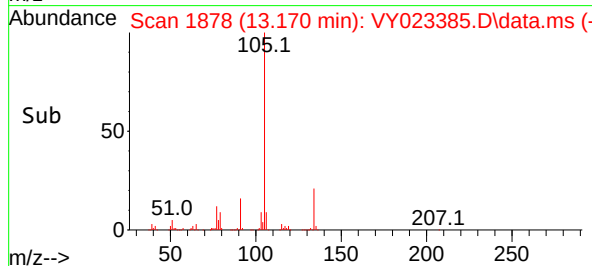
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010



Tgt Ion:105 Resp: 254134  
Ion Ratio Lower Upper  
105 100  
134 21.4 10.7 32.1

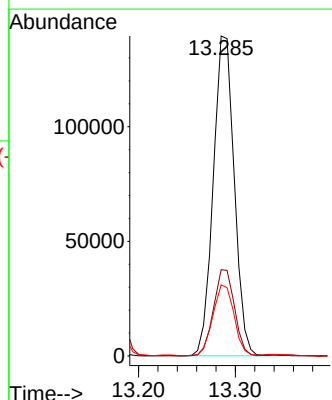
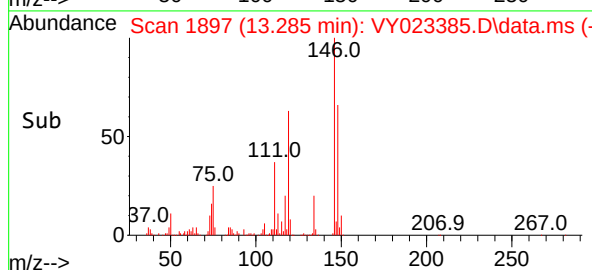
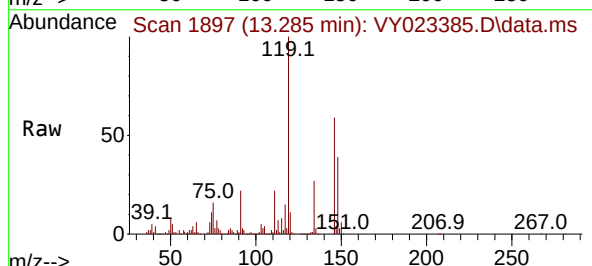
Manual Integrations  
APPROVED

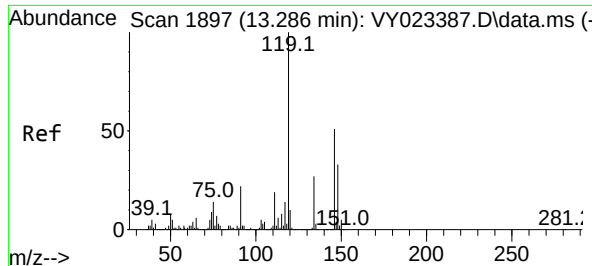
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#86  
p-Isopropyltoluene  
Concen: 9.287 ug/l  
RT: 13.285 min Scan# 1897  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Tgt Ion:119 Resp: 210320  
Ion Ratio Lower Upper  
119 100  
134 27.0 13.6 40.7  
91 22.3 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 10.058 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

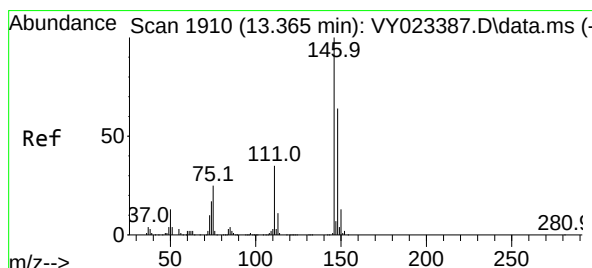
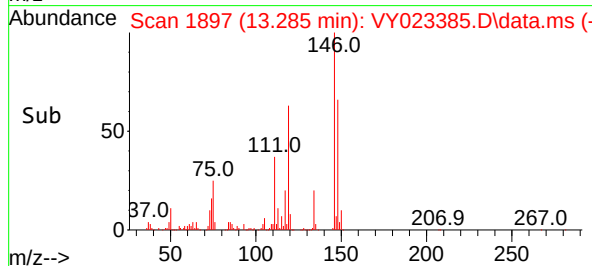
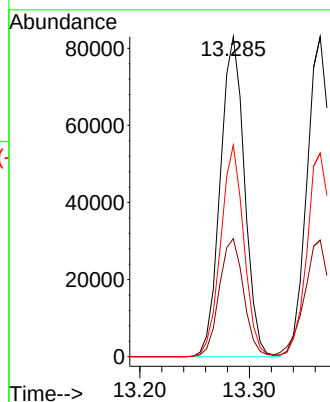
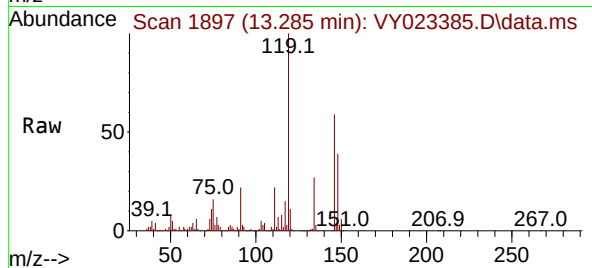
Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC010

| Tgt Ion:  | 146   | Resp: | 12737 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 37.1  | 18.7  | 56.1  |
| 148       | 63.2  | 31.9  | 95.9  |

Manual Integrations  
APPROVEDReviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

#88

1,4-Dichlorobenzene

Concen: 10.172 ug/l

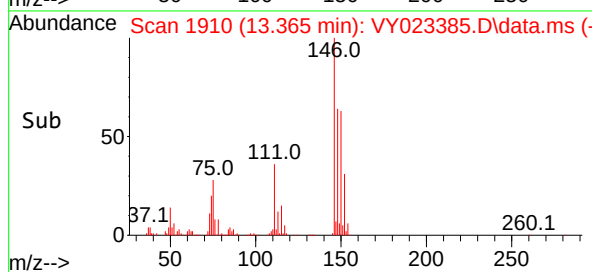
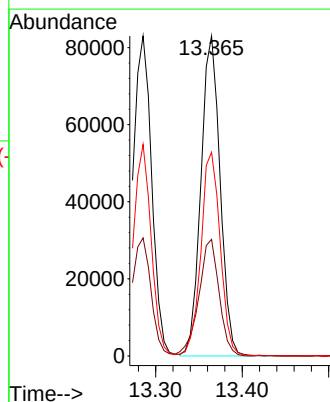
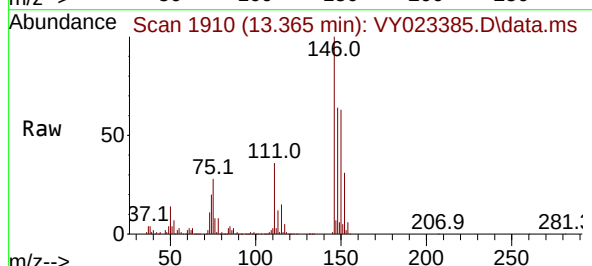
RT: 13.365 min Scan# 1910

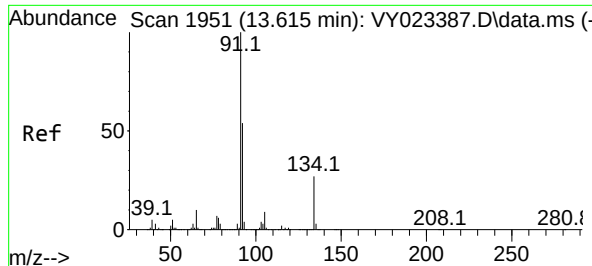
Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

| Tgt Ion:  | 146   | Resp: | 127757 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.6  | 18.0  | 54.0   |
| 148       | 64.2  | 31.9  | 95.7   |





#89

n-Butylbenzene

Concen: 9.107 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

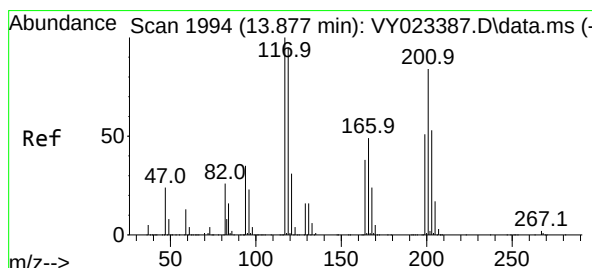
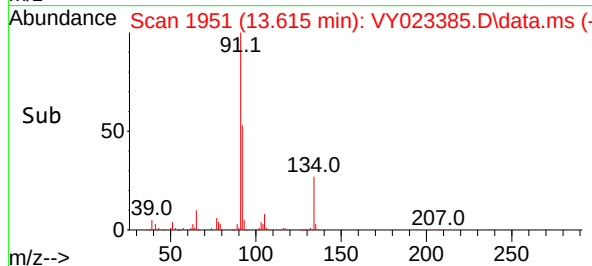
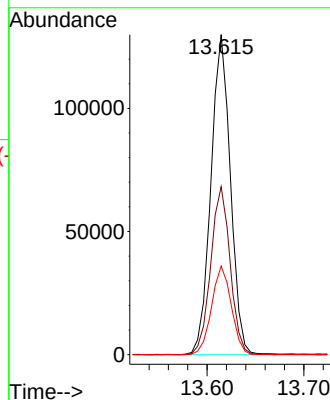
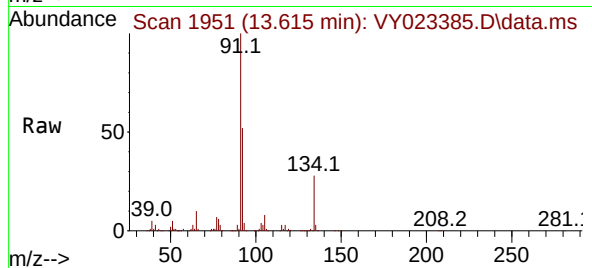
VSTDIC010

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 182110 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 52.2  | 27.0  | 80.8   |
| 134      | 28.0  | 14.1  | 42.2   |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#90

Hexachloroethane

Concen: 9.630 ug/l

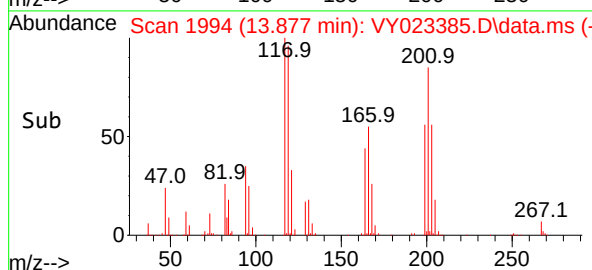
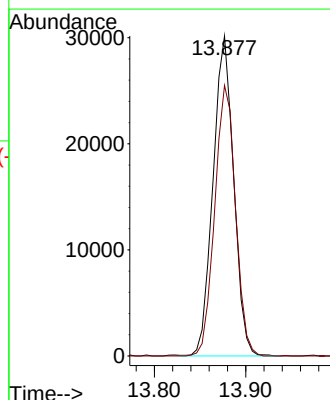
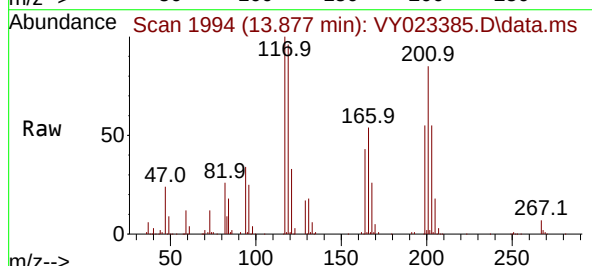
RT: 13.877 min Scan# 1994

Delta R.T. -0.000 min

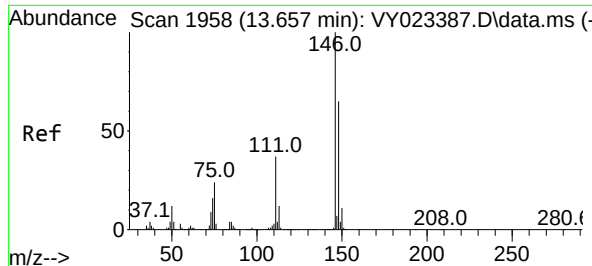
Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 47355 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 85.0  | 43.8  | 131.4 |

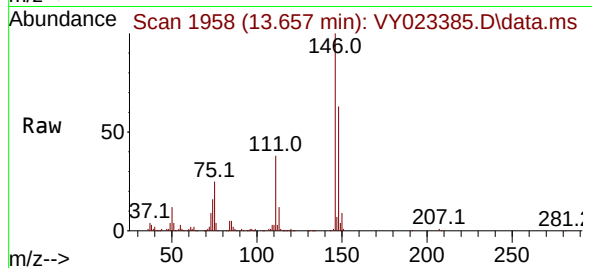






#91  
1,2-Dichlorobenzene  
Concen: 10.165 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

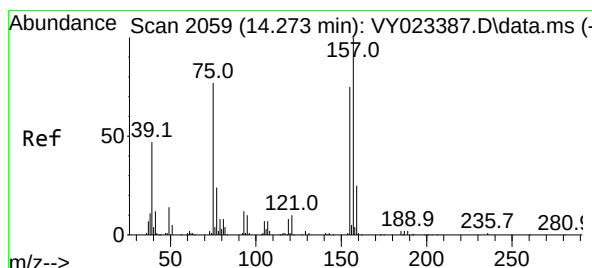
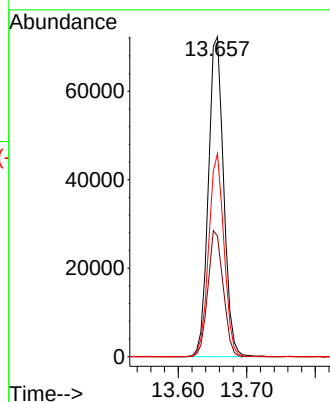
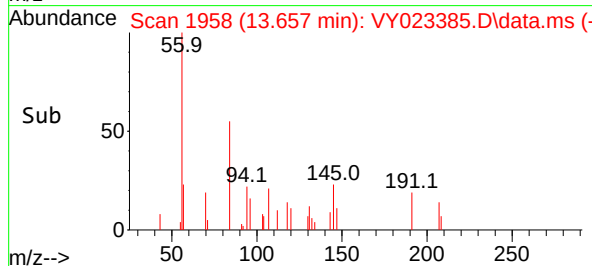
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010



Tgt Ion:146 Resp: 11232  
Ion Ratio Lower Upper  
146 100  
111 39.4 19.0 57.0  
148 63.4 32.1 96.3

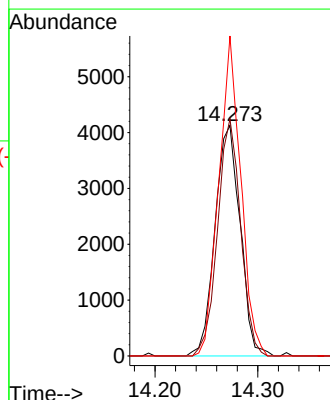
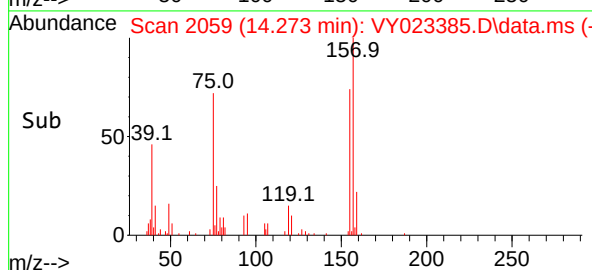
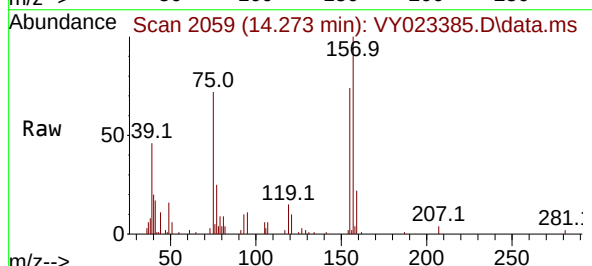
Manual Integrations  
APPROVED

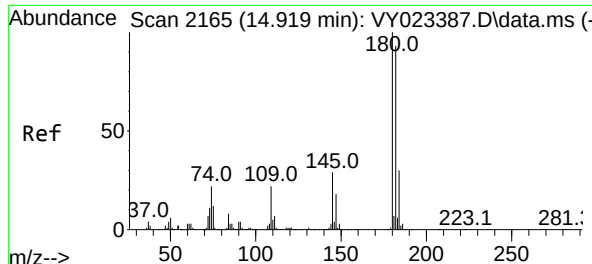
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 10.608 ug/l  
RT: 14.273 min Scan# 2059  
Delta R.T. -0.000 min  
Lab File: VY023385.D  
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 7005  
Ion Ratio Lower Upper  
75 100  
155 94.2 50.0 150.0  
157 121.7 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 9.992 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

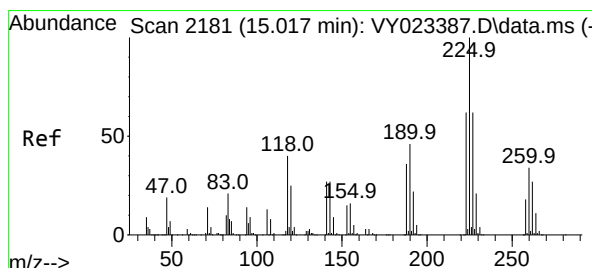
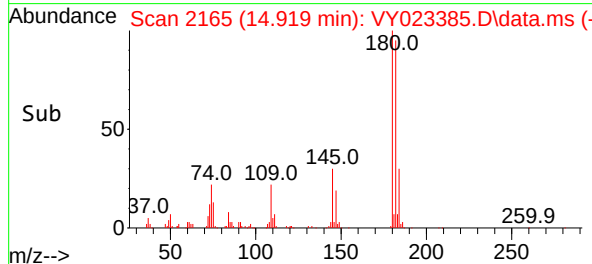
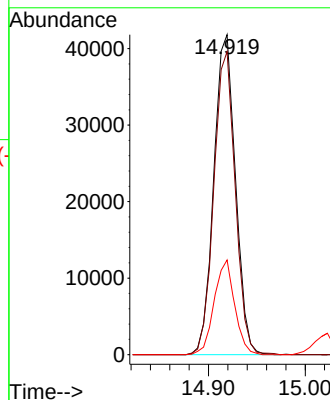
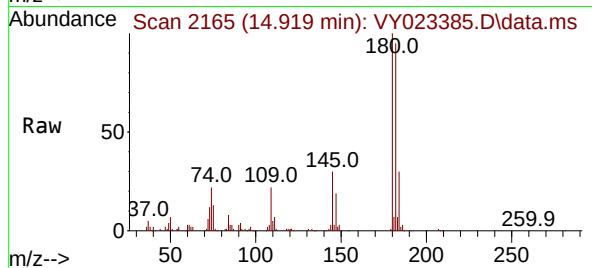
VSTDIC010

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 65050      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 93.5  | 47.9 143.6 |
| 145         | 27.9  | 14.7 44.1  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#94

Hexachlorobutadiene

Concen: 10.554 ug/l

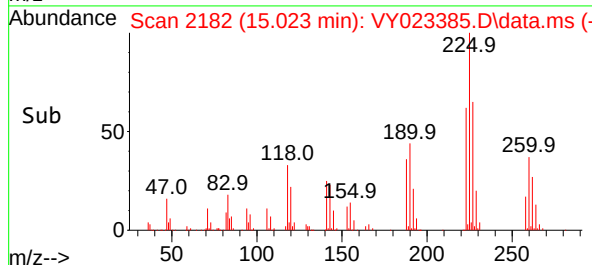
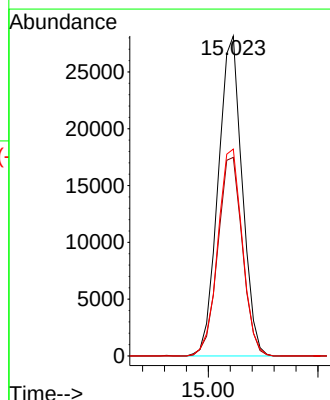
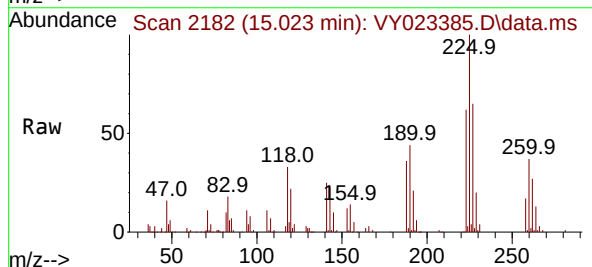
RT: 15.023 min Scan# 2182

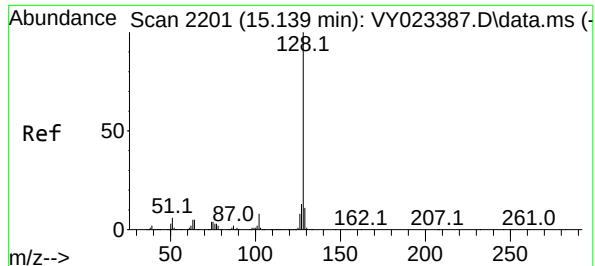
Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 42813     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 63.4  | 30.8 92.3 |
| 227         | 66.0  | 31.9 95.7 |





#95

Naphthalene

Concen: 9.264 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

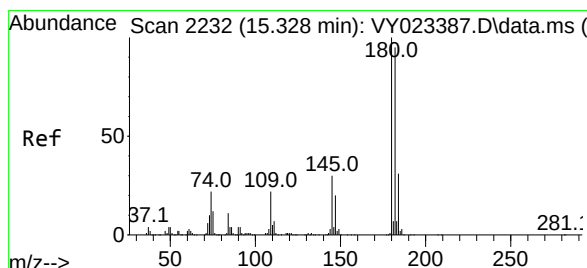
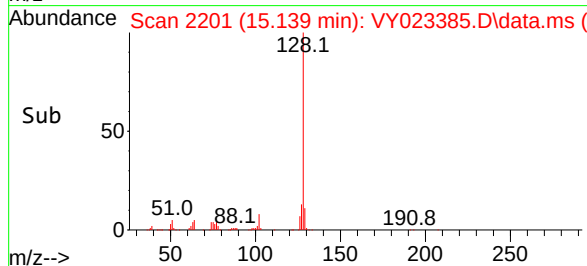
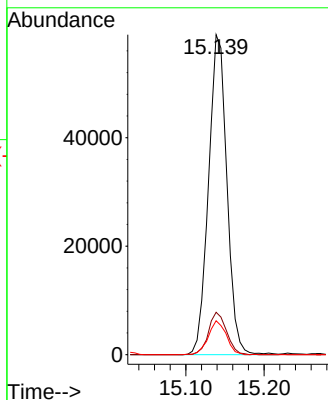
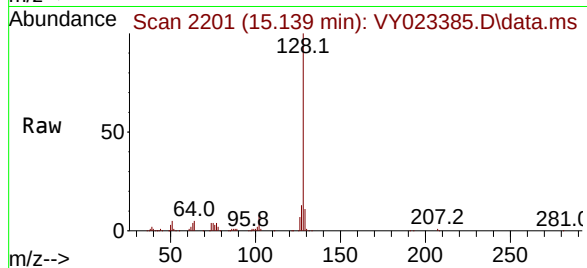
VSTDIC010

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 9609      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 13.0  | 10.4 15.6 |
| 129         | 10.4  | 8.9 13.3  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#96

1,2,3-Trichlorobenzene

Concen: 10.004 ug/l

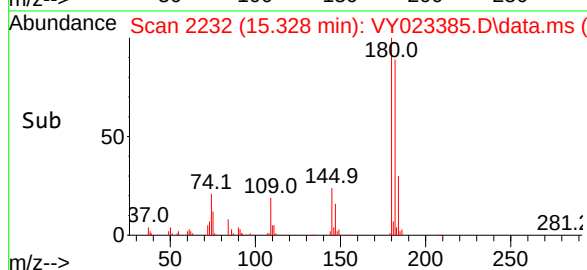
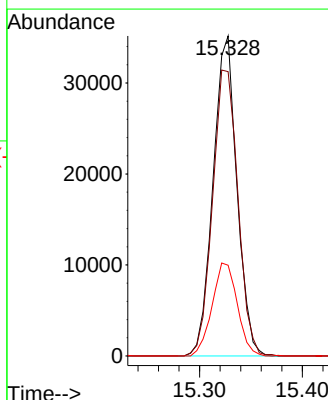
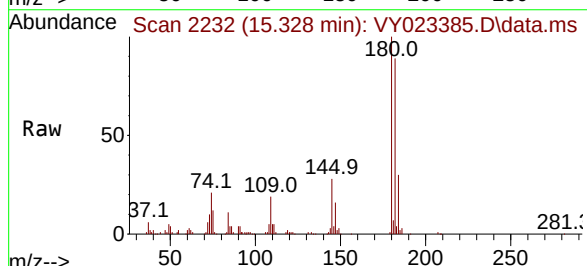
RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 56499      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.1  | 47.9 143.8 |
| 145         | 30.8  | 15.3 45.9  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023386.D  
 Acq On : 07 Oct 2025 11:24  
 Operator : SY/MD  
 Sample : VSTDICC020  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC020

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 574363   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 851961   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 746872   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 382604   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 8.061  | 65    | 98481    | 19.798   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 50 - 163 | Recovery | =    | 39.600%# |
| 35) Dibromofluoromethane  | 7.634  | 113   | 108034   | 20.895   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 54 - 147 | Recovery | =    | 41.800%# |
| 50) Toluene-d8            | 10.103 | 98    | 401067   | 20.568   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 58 - 134 | Recovery | =    | 41.140%# |
| 62) 4-Bromofluorobenzene  | 12.401 | 95    | 127216   | 20.680   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 30 - 143 | Recovery | =    | 41.360%  |

### Target Compounds

|                              |       |     |        |         |      | Qvalue |
|------------------------------|-------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 91924  | 20.318  | ug/l | 98     |
| 3) Chloromethane             | 2.074 | 50  | 117585 | 18.284  | ug/l | 100    |
| 4) Vinyl Chloride            | 2.202 | 62  | 151460 | 18.652  | ug/l | 99     |
| 5) Bromomethane              | 2.586 | 94  | 125948 | 18.907  | ug/l | 97     |
| 6) Chloroethane              | 2.732 | 64  | 103973 | 18.859  | ug/l | 94     |
| 7) Trichlorofluoromethane    | 3.049 | 101 | 217452 | 20.846  | ug/l | 99     |
| 8) Diethyl Ether             | 3.452 | 74  | 54124  | 19.837  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluo... | 3.811 | 101 | 109936 | 19.718  | ug/l | 99     |
| 10) Methyl Iodide            | 4.007 | 142 | 119083 | 18.482  | ug/l | 99     |
| 11) Tert butyl alcohol       | 4.854 | 59  | 34346  | 117.345 | ug/l | 98     |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 104778 | 19.531  | ug/l | 98     |
| 13) Acrolein                 | 3.653 | 56  | 48115  | 97.023  | ug/l | 98     |
| 14) Allyl chloride           | 4.384 | 41  | 125424 | 18.674  | ug/l | 98     |
| 15) Acrylonitrile            | 5.055 | 53  | 99018  | 92.641  | ug/l | 100    |
| 16) Acetone                  | 3.866 | 43  | 108209 | 96.742  | ug/l | 96     |
| 17) Carbon Disulfide         | 4.104 | 76  | 303284 | 18.121  | ug/l | 99     |
| 18) Methyl Acetate           | 4.384 | 43  | 59704  | 21.002  | ug/l | 97     |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 247030 | 19.667  | ug/l | 97     |
| 20) Methylene Chloride       | 4.616 | 84  | 132229 | 21.801  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene | 5.110 | 96  | 116410 | 19.512  | ug/l | 95     |
| 22) Diisopropyl ether        | 6.018 | 45  | 288429 | 19.366  | ug/l | 98     |
| 23) Vinyl Acetate            | 5.957 | 43  | 748048 | 91.373  | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 5.915 | 63  | 190012 | 19.354  | ug/l | 99     |
| 25) 2-Butanone               | 6.896 | 43  | 132159 | 95.593  | ug/l | 93     |
| 26) 2,2-Dichloropropane      | 6.884 | 77  | 167903 | 19.247  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 133634 | 19.747  | ug/l | 99     |
| 28) Bromochloromethane       | 7.244 | 49  | 73407  | 19.273  | ug/l | 98     |
| 29) Tetrahydrofuran          | 7.262 | 42  | 76502  | 93.229  | ug/l | 99     |
| 30) Chloroform               | 7.421 | 83  | 207096 | 19.562  | ug/l | 100    |
| 31) Cyclohexane              | 7.701 | 56  | 160159 | 18.472  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 188861 | 19.873  | ug/l | 100    |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 140912 | 19.317  | ug/l | 100    |
| 37) Ethyl Acetate            | 6.982 | 43  | 55705  | 19.315  | ug/l | 98     |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 171925 | 20.289  | ug/l | 99     |
| 39) Methylcyclohexane        | 9.109 | 83  | 182831 | 19.576  | ug/l | 99     |
| 40) Benzene                  | 8.079 | 78  | 450471 | 19.809  | ug/l | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023386.D  
 Acq On : 07 Oct 2025 11:24  
 Operator : SY/MD  
 Sample : VSTDICC020  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## ClientSampleId :

VSTDICC020

## Manual Integrations

## APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 08 04:39:16 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.225  | 41   | 31129m   | 20.783  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 116941   | 20.206  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 106595   | 19.002  | ug/l # | 87       |
| 44) Trichloroethene           | 8.865  | 130  | 131459   | 20.598  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 99363    | 19.417  | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 62277    | 19.896  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.420  | 83   | 156426   | 19.854  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 50661    | 19.352  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 13636    | 420.712 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 274059   | 95.378  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 291453   | 20.191  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 132848   | 19.632  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 158580   | 19.606  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.572 | 97   | 82183    | 19.740  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 89244    | 18.613  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 130650   | 19.389  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 190850m  | 90.982  | ug/l   |          |
| 59) 2-Hexanone                | 10.761 | 43   | 187387   | 94.190  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.908 | 129  | 115907   | 20.412  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.011 | 107  | 78579    | 20.062  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.646 | 164  | 167648   | 22.438  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.438 | 112  | 326360   | 20.109  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 116412   | 20.396  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.517 | 91   | 523606   | 19.768  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 426913   | 40.211  | ug/l   | 100      |
| 69) o-Xylene                  | 11.956 | 106  | 195021   | 19.843  | ug/l   | 96       |
| 70) Styrene                   | 11.968 | 104  | 327934   | 20.208  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 71119    | 20.814  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 513183   | 20.136  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 85063    | 17.860  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 76821    | 18.069  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 74100m   | 19.634  | ug/l   |          |
| 77) Bromobenzene              | 12.529 | 156  | 135402   | 20.700  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.596 | 91   | 597829   | 19.945  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 349203   | 20.179  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 418684   | 20.208  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 26922    | 19.234  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 361458   | 20.000  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.993 | 119  | 377277   | 19.983  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.041 | 105  | 413292   | 20.162  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.176 | 105  | 546582   | 19.990  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.291 | 119  | 464005   | 20.081  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 262901   | 20.347  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 259217   | 20.230  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.615 | 91   | 401893   | 19.697  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 98983    | 19.730  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 231199   | 20.507  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 12668    | 18.802  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 137963   | 20.770  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 87575    | 21.159  | ug/l   | 99       |
| 95) Naphthalene               | 15.145 | 128  | 206017   | 19.467  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 121656   | 21.113  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023386.D  
Acq On : 07 Oct 2025 11:24  
Operator : SY/MD  
Sample : VSTDICC020  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 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\_Y\Data\VY100725\  
 Data File : VY023386.D  
 Acq On : 07 Oct 2025 11:24  
 Operator : SY/MD  
 Sample : VSTDIC020  
 Misc : 5.00g/5.0mL/MSVOA\_Y/soil  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## Client Sample Id :

VSTDIC020

Quant Time: Oct 08 04:41:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 08 04:39:16 2025

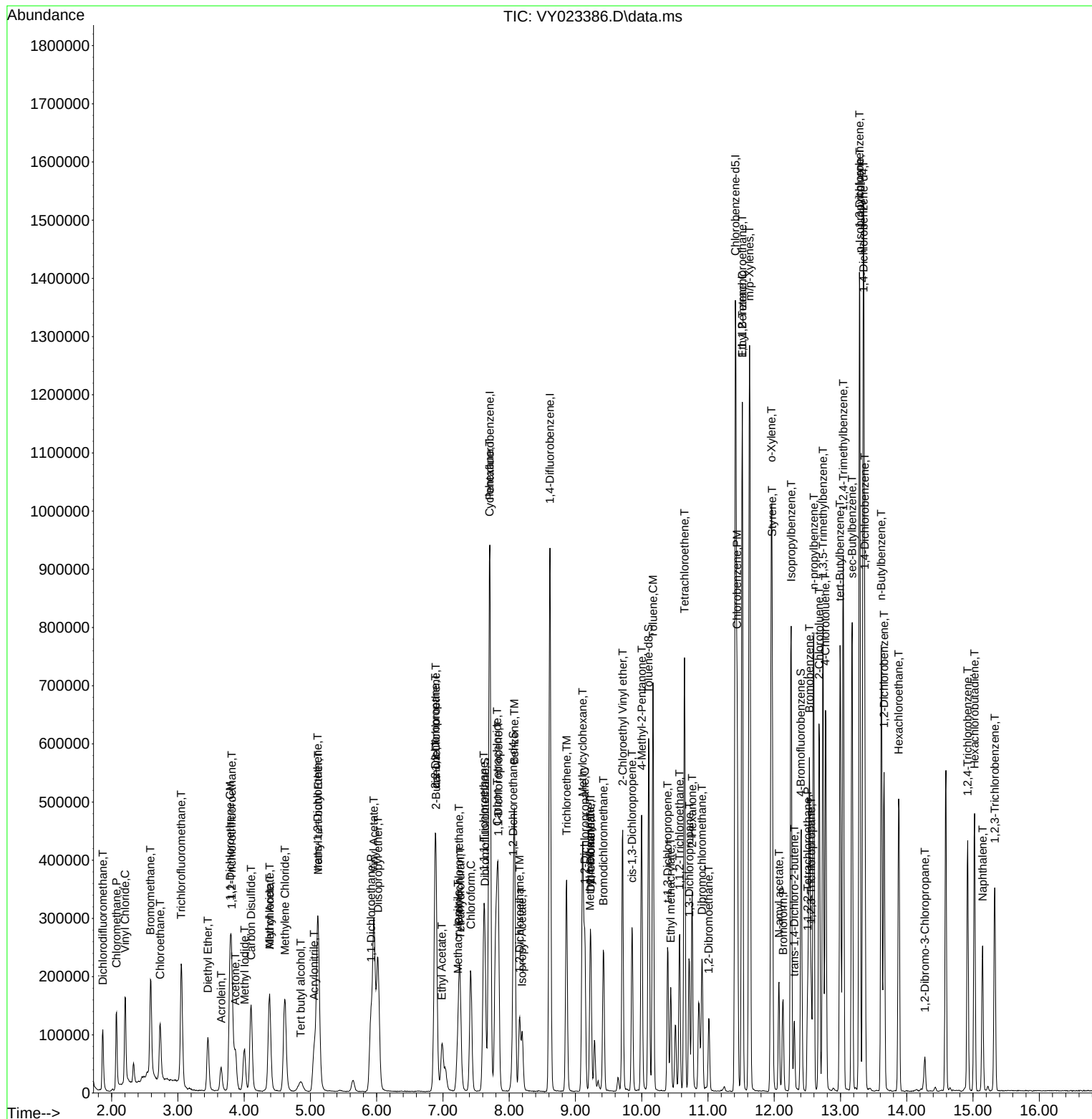
Response via : Initial Calibration

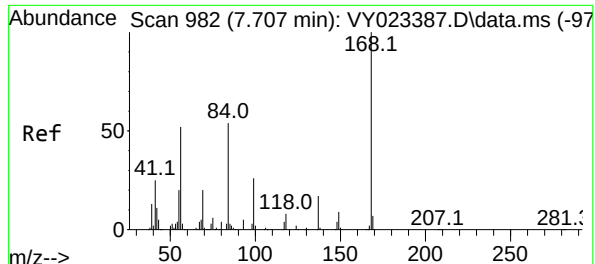
## Manual Integrations

## APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025

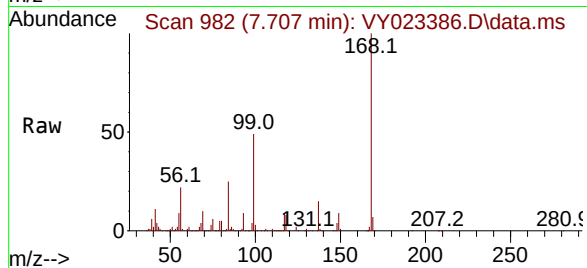
Supervised By : Mahesh Dadoda 10/10/2025





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

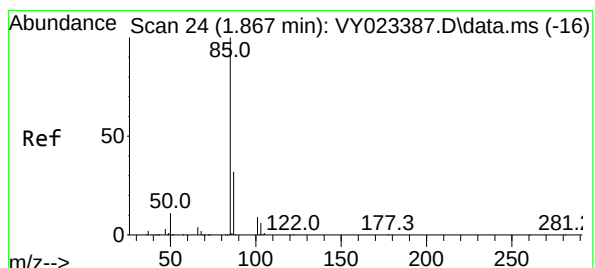
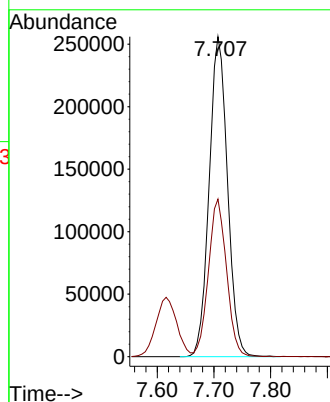
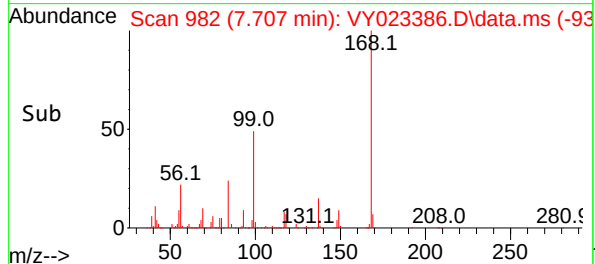
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020



Tgt Ion:168 Resp: 57436  
Ion Ratio Lower Upper  
168 100  
99 49.2 39.7 59.5

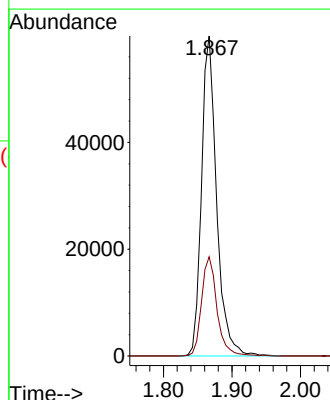
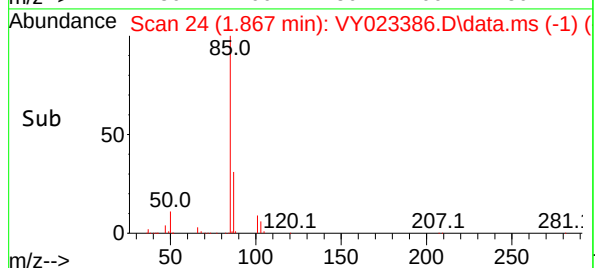
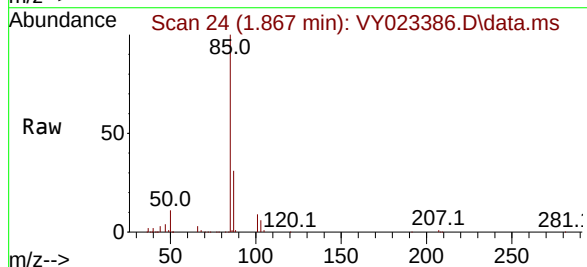
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

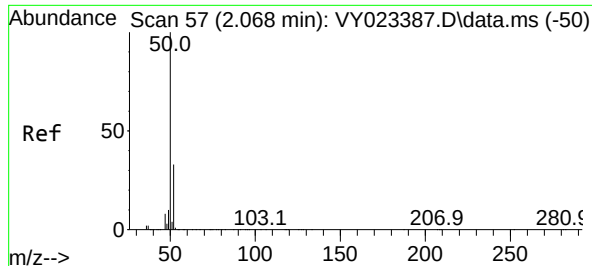


#2  
Dichlorodifluoromethane  
Concen: 20.318 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Tgt Ion: 85 Resp: 91924  
Ion Ratio Lower Upper  
85 100  
87 31.0 16.0 47.9







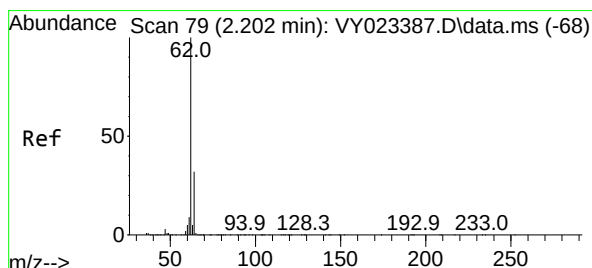
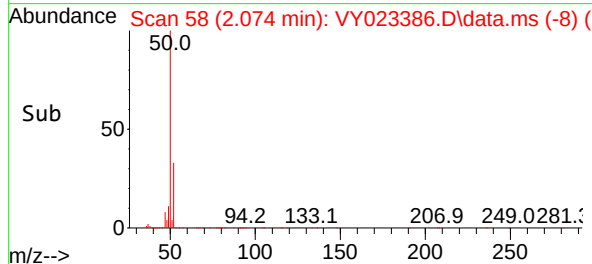
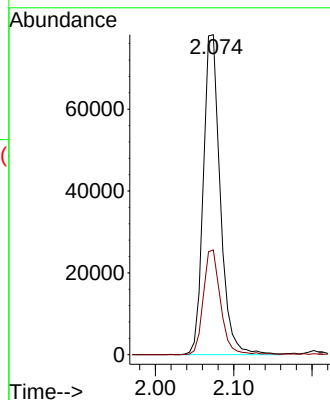
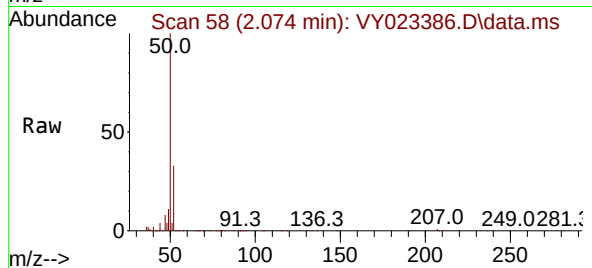
#3  
Chloromethane  
Concen: 18.284 ug/l  
RT: 2.074 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

Tgt Ion: 50 Resp: 11758  
Ion Ratio Lower Upper  
50 100  
52 32.7 26.2 39.2

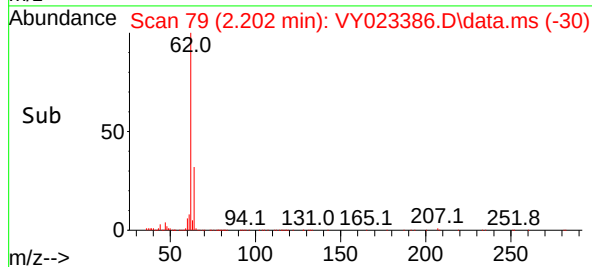
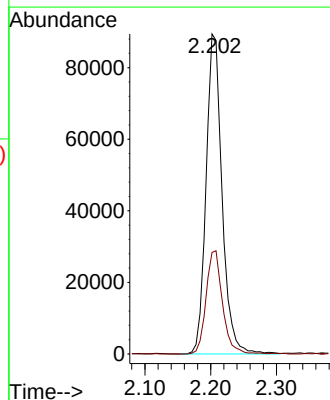
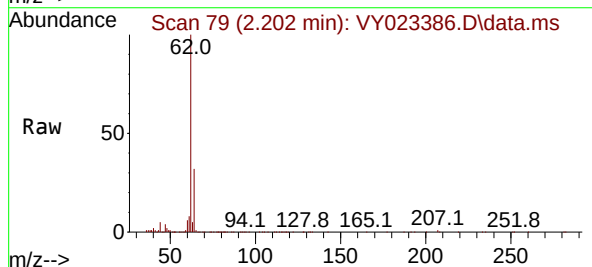
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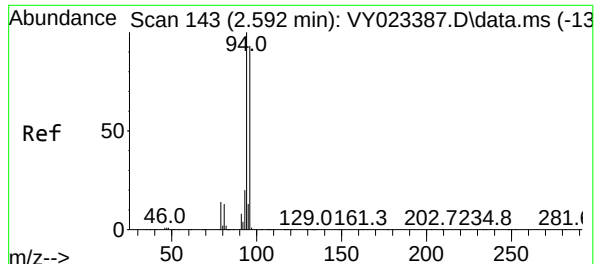
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#4  
Vinyl Chloride  
Concen: 18.652 ug/l  
RT: 2.202 min Scan# 79  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

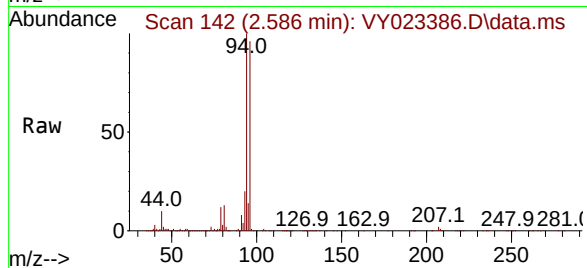
Tgt Ion: 62 Resp: 151460  
Ion Ratio Lower Upper  
62 100  
64 31.7 25.8 38.8





#5  
Bromomethane  
Concen: 18.907 ug/l  
RT: 2.586 min Scan# 143  
Delta R.T. -0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

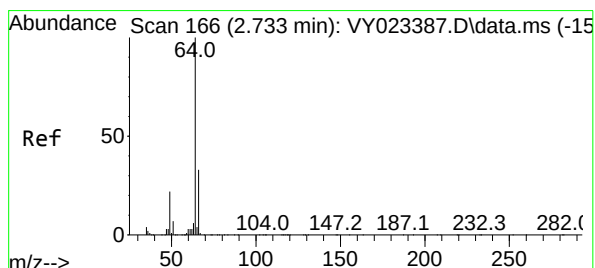
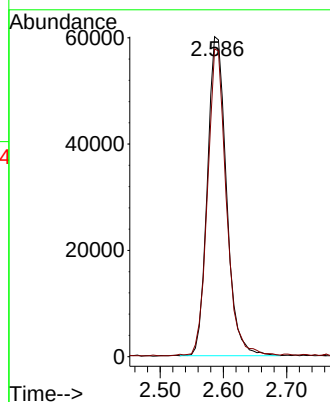
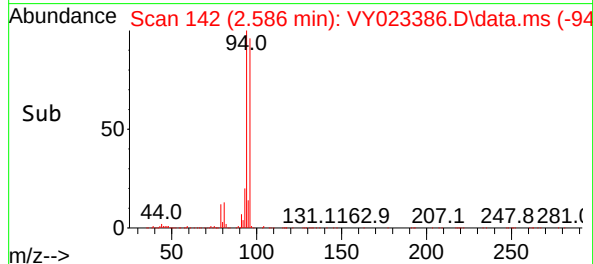
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020



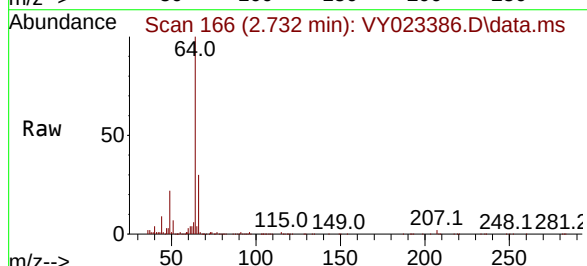
Tgt Ion: 94 Resp: 125948  
Ion Ratio Lower Upper  
94 100  
96 95.9 74.5 111.7

Manual Integrations  
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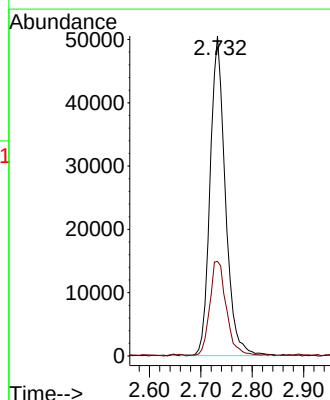
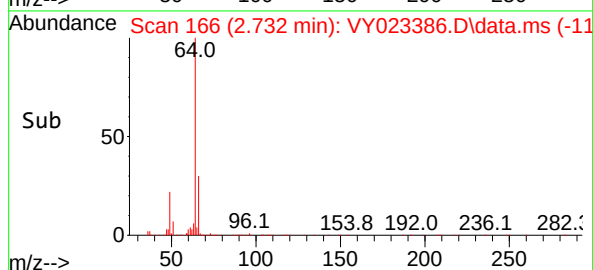
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

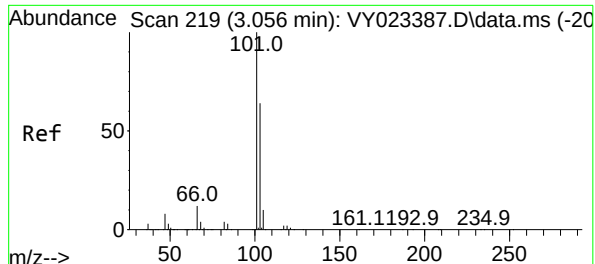


#6  
Chloroethane  
Concen: 18.859 ug/l  
RT: 2.732 min Scan# 166  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24



Tgt Ion: 64 Resp: 103973  
Ion Ratio Lower Upper  
64 100  
66 29.3 26.2 39.4





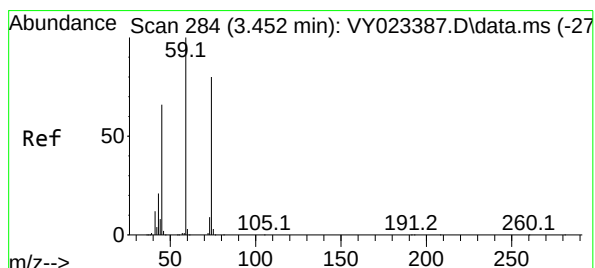
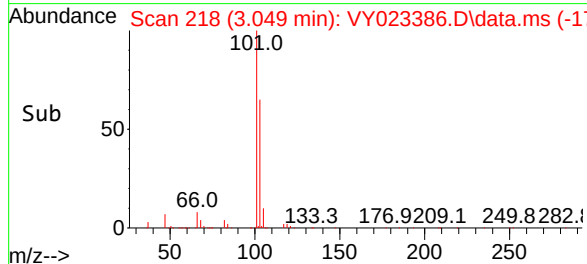
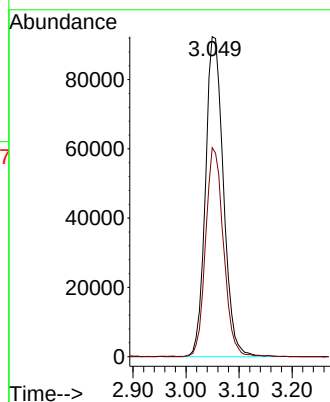
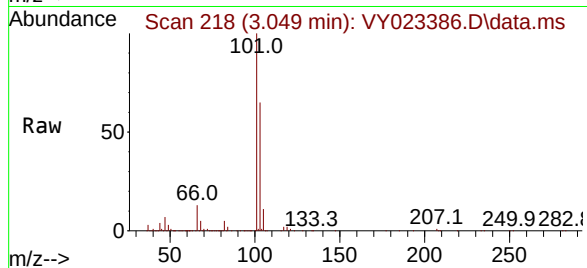
#7  
Trichlorofluoromethane  
Concen: 20.846 ug/l  
RT: 3.049 min Scan# 219  
Delta R.T. -0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

Tgt Ion:101 Resp: 217452  
Ion Ratio Lower Upper  
101 100  
103 65.2 51.3 76.9

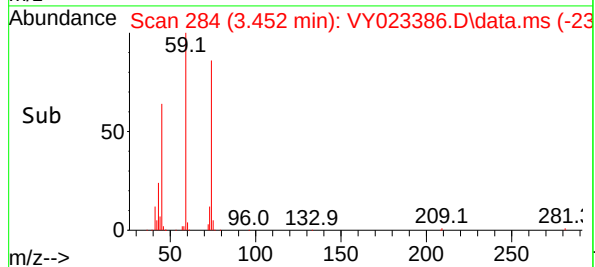
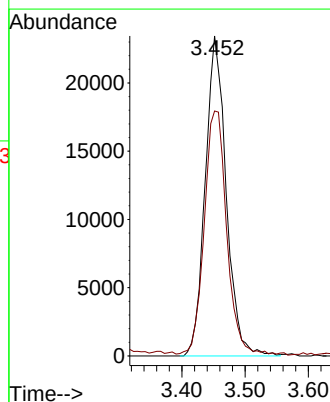
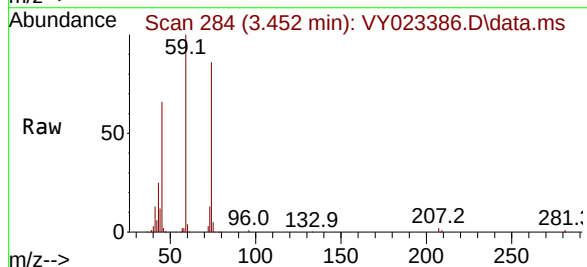
Manual Integrations  
APPROVED

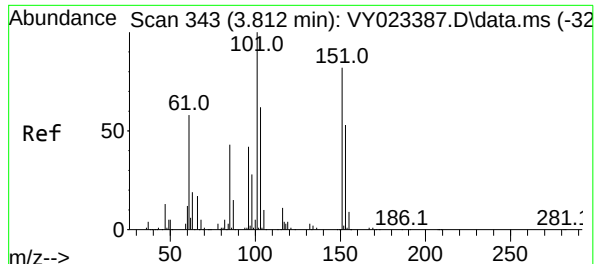
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#8  
Diethyl Ether  
Concen: 19.837 ug/l  
RT: 3.452 min Scan# 284  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Tgt Ion: 74 Resp: 54124  
Ion Ratio Lower Upper  
74 100  
45 80.6 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.718 ug/l

RT: 3.811 min Scan# 343

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

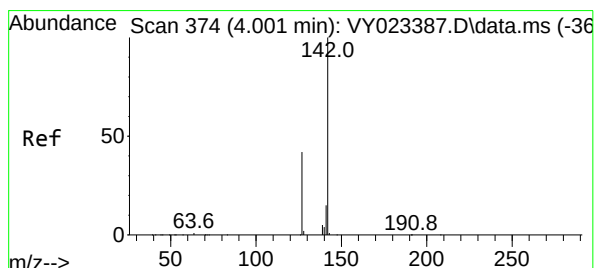
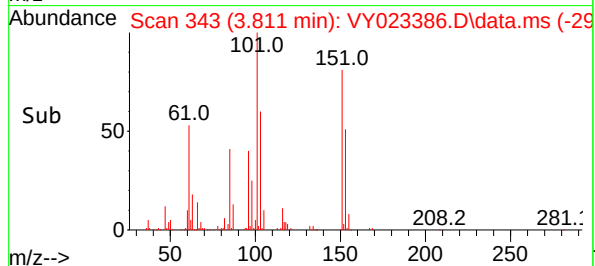
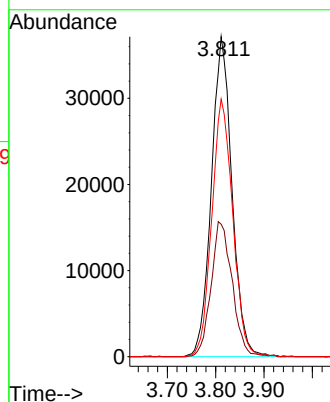
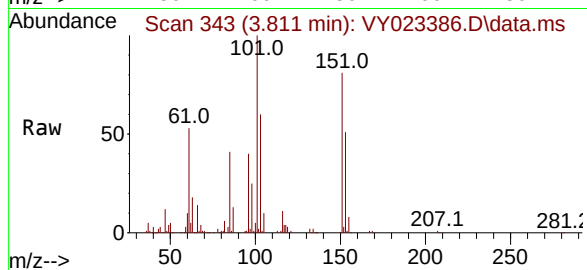
VSTDICC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 10993 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 43.1  | 34.6  | 51.8  |
| 151      | 82.2  | 67.0  | 100.6 |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#10

Methyl Iodide

Concen: 18.482 ug/l

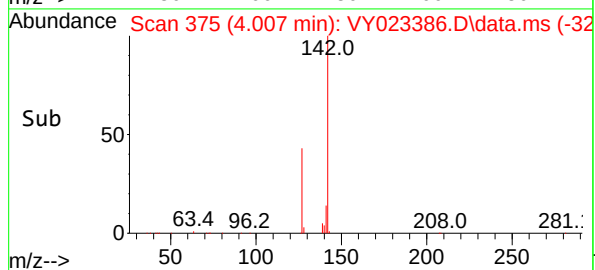
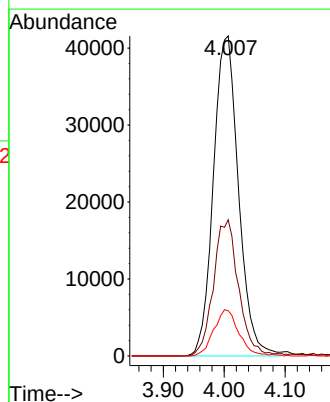
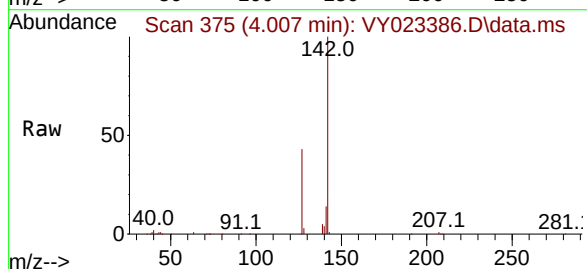
RT: 4.007 min Scan# 375

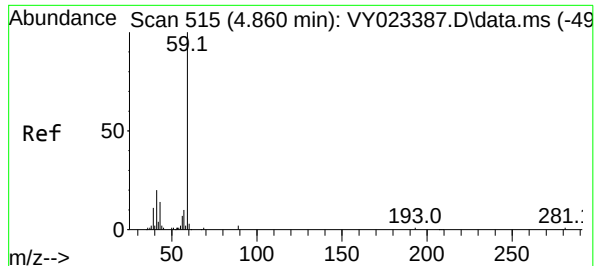
Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 119083 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 127      | 42.9  | 34.8  | 52.2   |
| 141      | 14.5  | 11.6  | 17.4   |





#11

Tert butyl alcohol

Concen: 117.345 ug/l

RT: 4.854 min Scan# 515

Delta R.T. -0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 34340

Ion Ratio Lower Upper

59 100

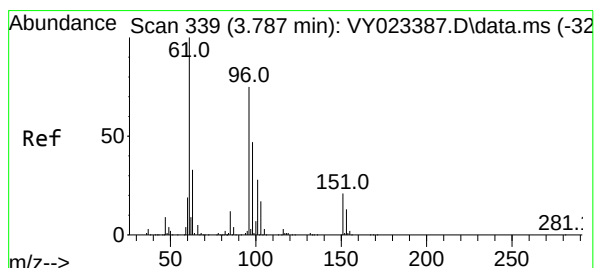
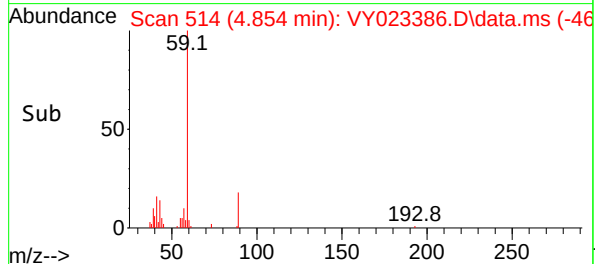
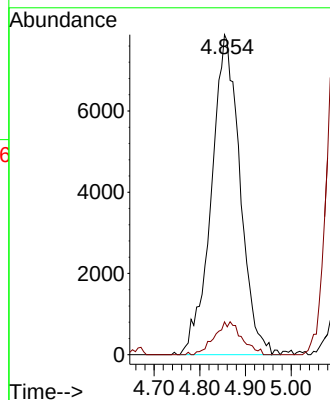
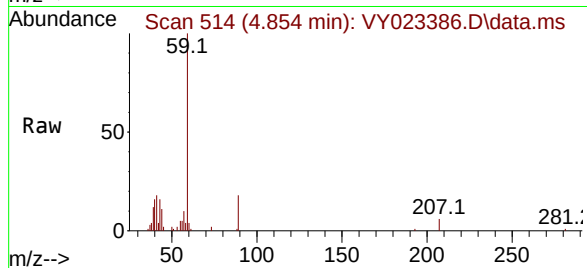
57 9.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 19.531 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

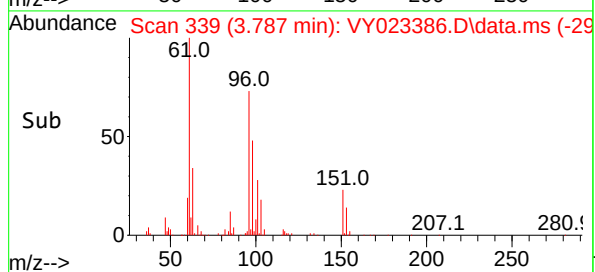
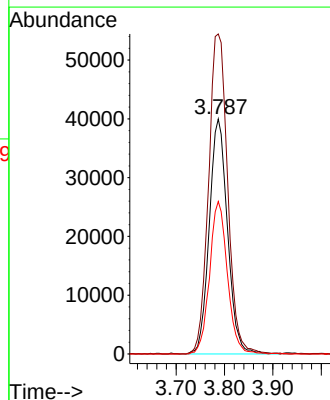
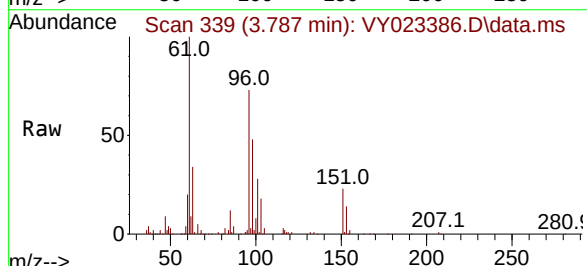
Tgt Ion: 96 Resp: 104778

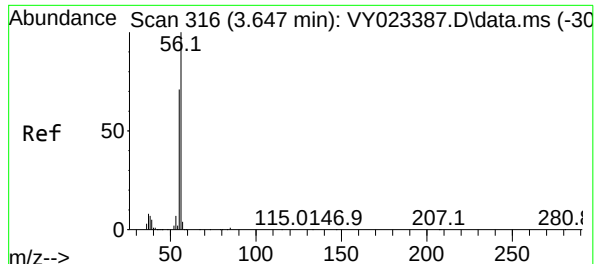
Ion Ratio Lower Upper

96 100

61 136.2 106.7 160.1

98 64.9 50.2 75.4





#13

Acrolein

Concen: 97.023 ug/l

RT: 3.653 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 4811

Ion Ratio Lower Upper

56 100

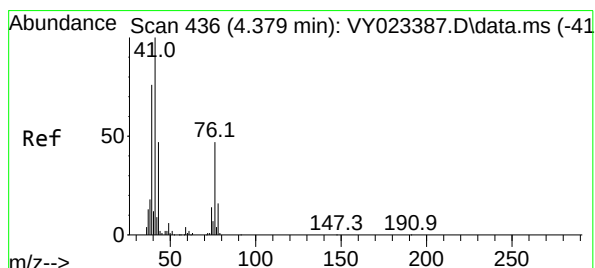
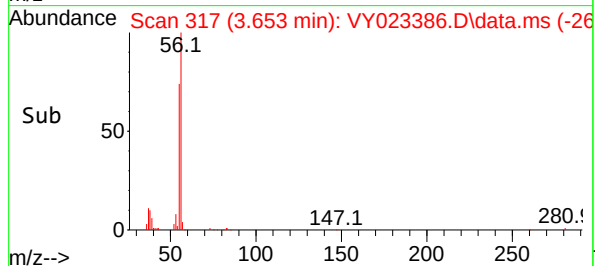
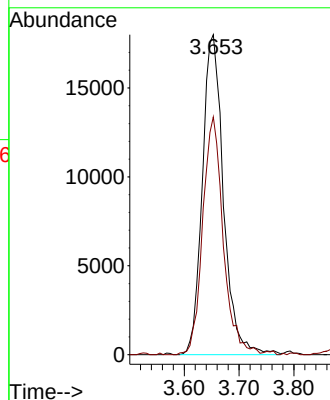
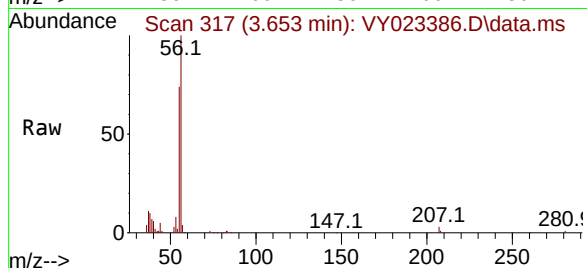
55 72.0 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#14

Allyl chloride

Concen: 18.674 ug/l

RT: 4.384 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

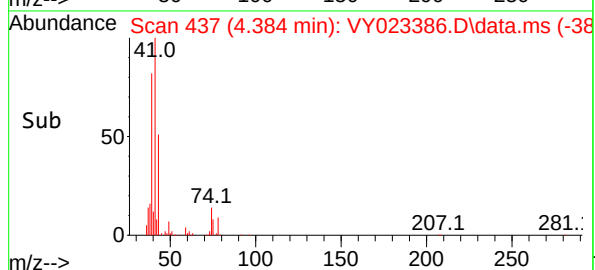
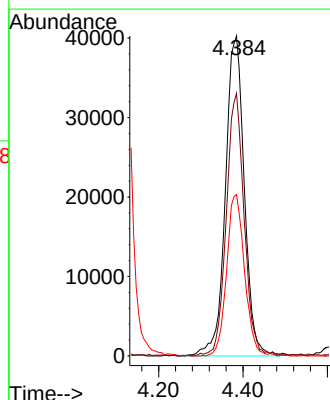
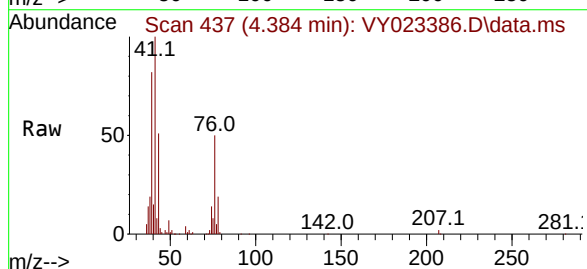
Tgt Ion: 41 Resp: 125424

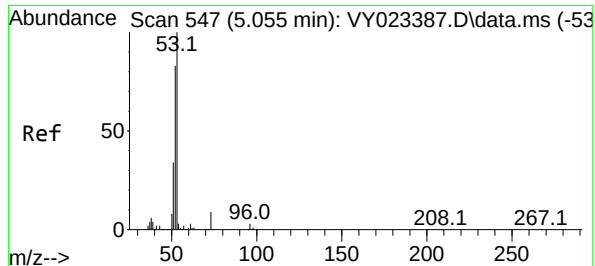
Ion Ratio Lower Upper

41 100

39 77.6 59.9 89.9

76 47.9 38.0 57.0





#15

Acrylonitrile

Concen: 92.641 ug/l

RT: 5.055 min Scan# 547

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

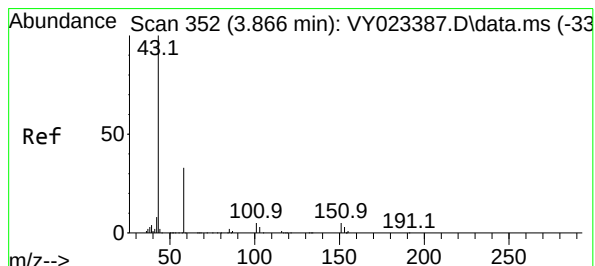
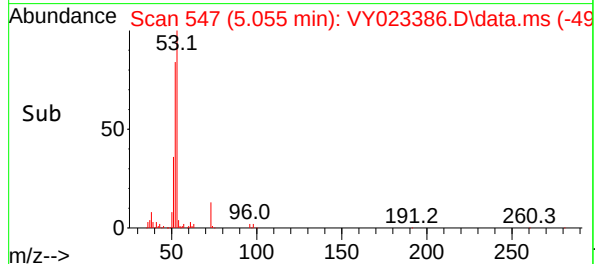
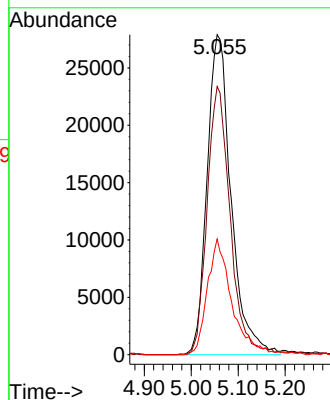
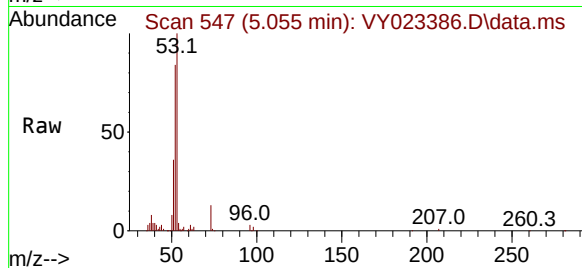
VSTDICC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 99018 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 80.7  | 64.6  | 97.0  |
| 51       | 36.6  | 29.5  | 44.3  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#16

Acetone

Concen: 96.742 ug/l

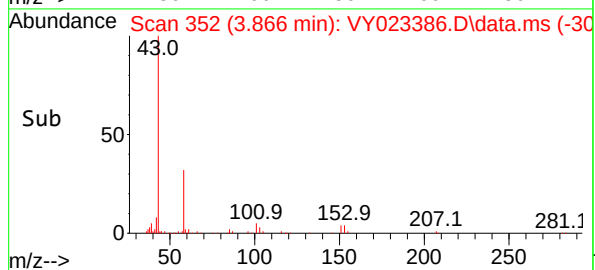
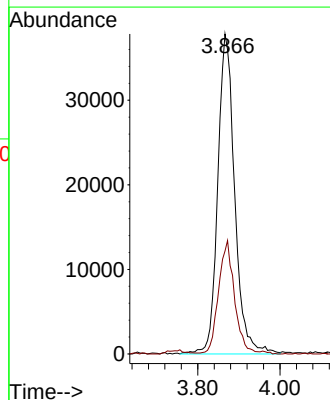
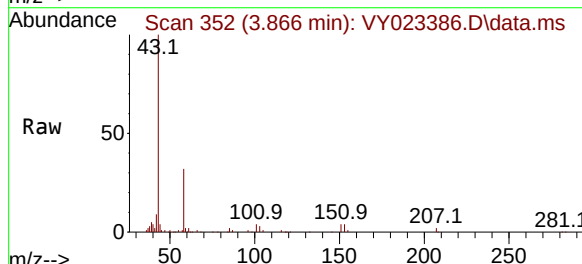
RT: 3.866 min Scan# 352

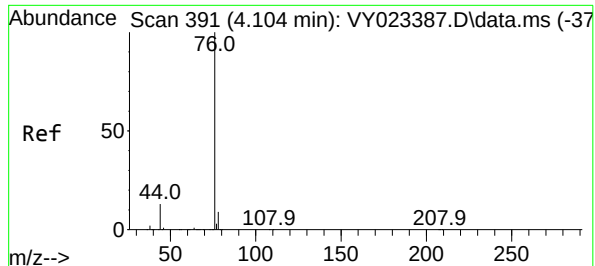
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 108209 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 32.1  | 27.7  | 41.5   |





#17

Carbon Disulfide

Concen: 18.121 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion: 76 Resp: 303284

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

Instrument :

MSVOA\_Y

ClientSampleId :

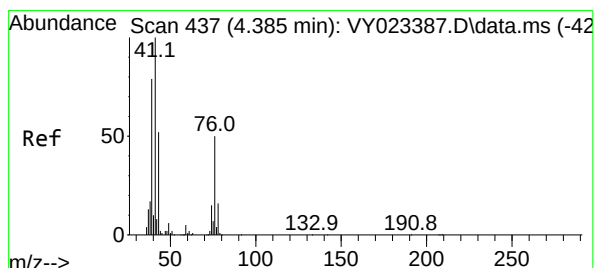
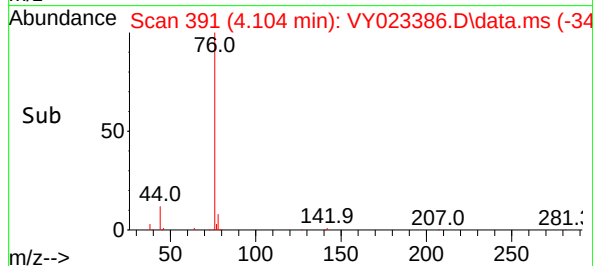
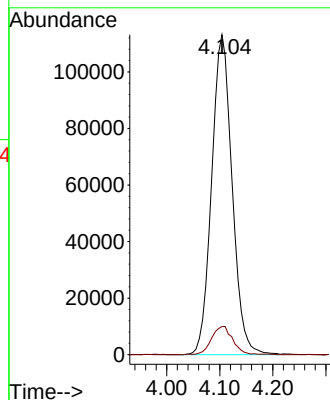
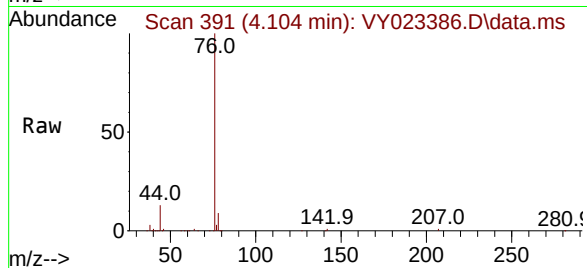
VSTDICC020

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#18

Methyl Acetate

Concen: 21.002 ug/l

RT: 4.384 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY023386.D

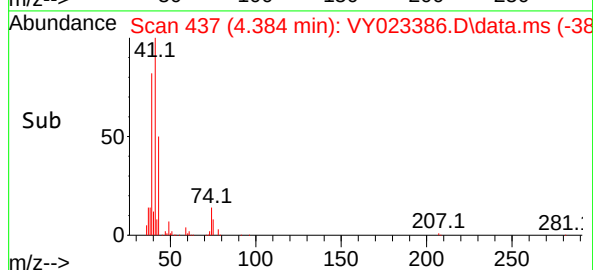
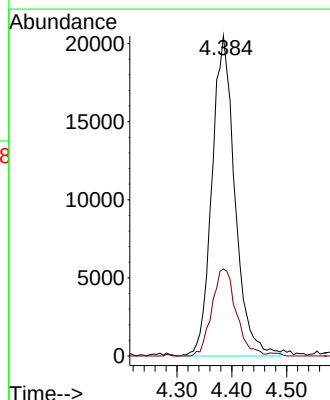
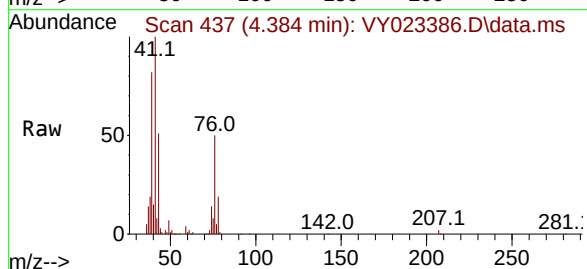
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 59704

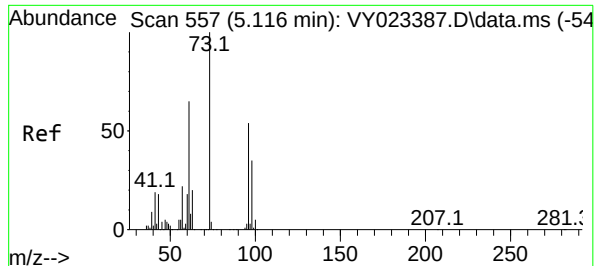
Ion Ratio Lower Upper

43 100

74 28.7 24.2 36.4







#19

Methyl tert-butyl Ether

Concen: 19.667 ug/l

RT: 5.116 min Scan# 5

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 247030

Ion Ratio Lower Upper

73 100

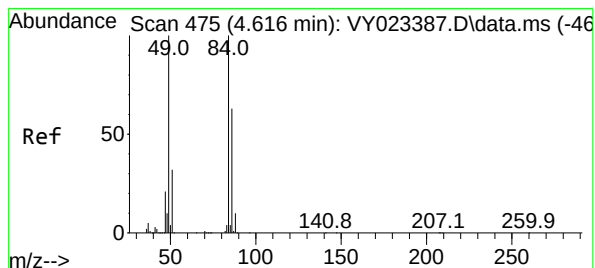
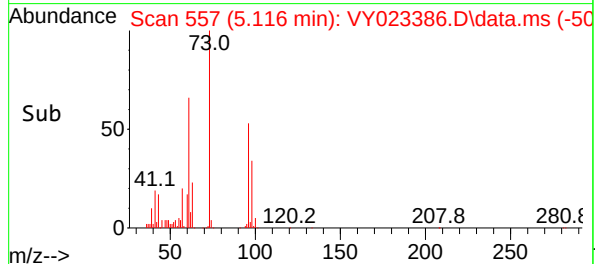
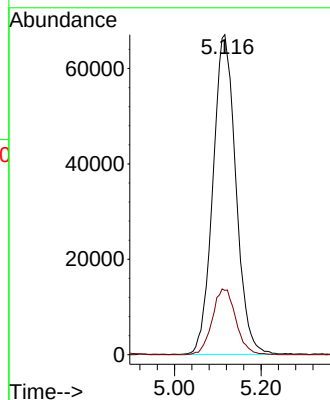
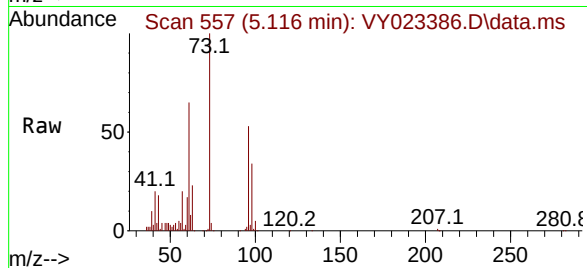
57 20.1 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 21.801 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion: 84 Resp: 132229

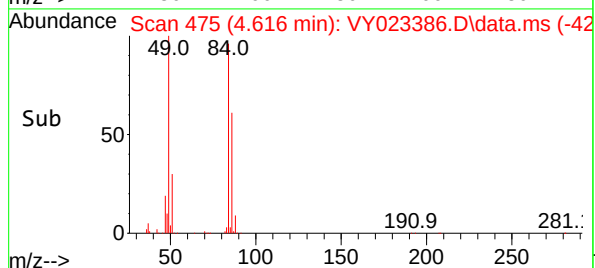
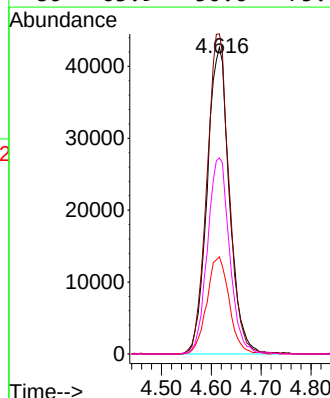
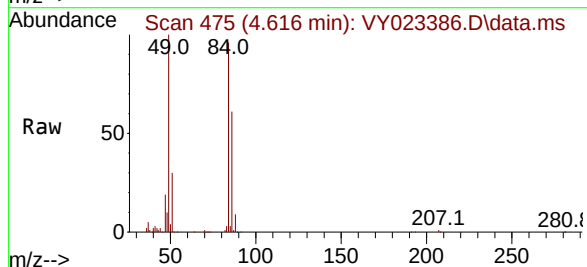
Ion Ratio Lower Upper

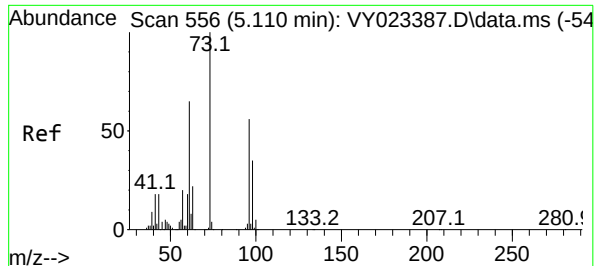
84 100

49 104.2 80.2 120.4

51 31.7 25.9 38.9

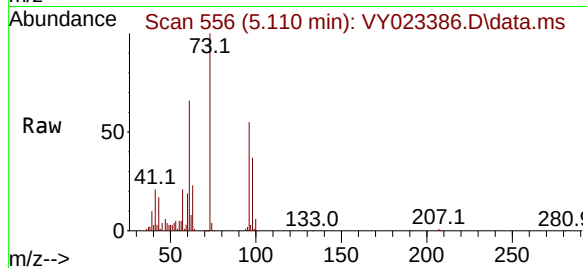
86 63.9 50.6 75.8





#21  
trans-1,2-Dichloroethene  
Concen: 19.512 ug/l  
RT: 5.110 min Scan# 511  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

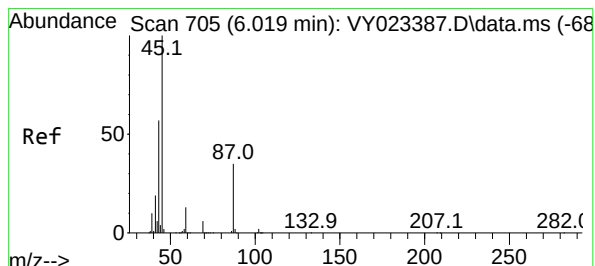
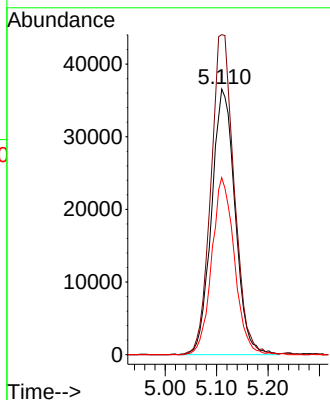
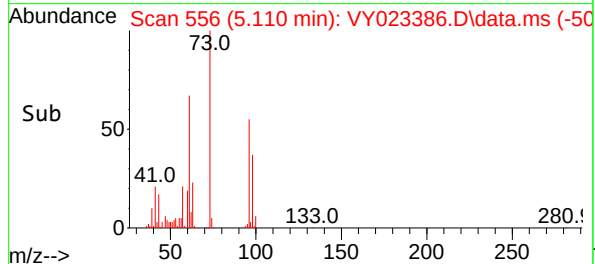
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020



Tgt Ion: 96 Resp: 116410  
Ion Ratio Lower Upper  
96 100  
61 120.5 92.7 139.1  
98 66.7 49.7 74.5

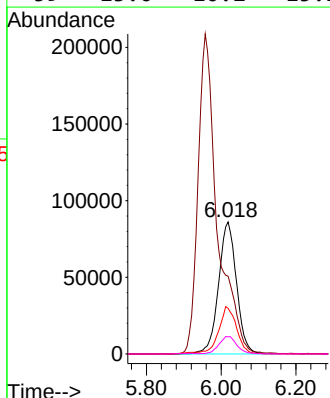
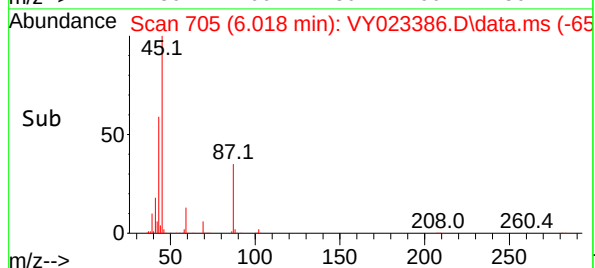
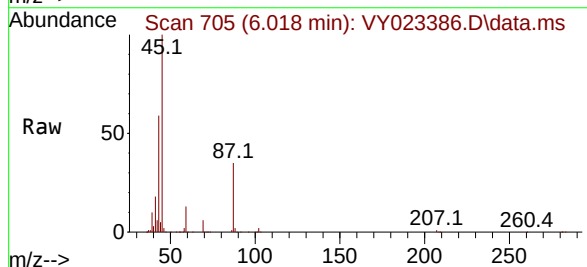
Manual Integrations  
APPROVED

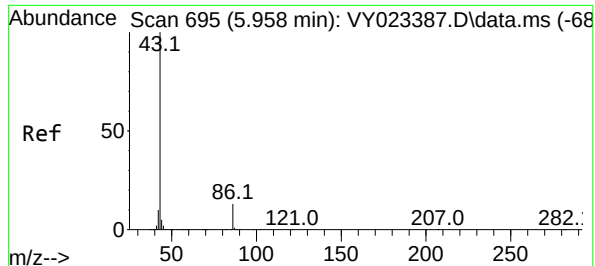
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#22  
Diisopropyl ether  
Concen: 19.366 ug/l  
RT: 6.018 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Tgt Ion: 45 Resp: 288429  
Ion Ratio Lower Upper  
45 100  
43 58.8 45.6 68.4  
87 34.5 28.1 42.1  
59 13.0 10.2 15.2





#23

Vinyl Acetate

Concen: 91.373 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 74804

Ion Ratio Lower Upper

43

100

86

13.5

10.6

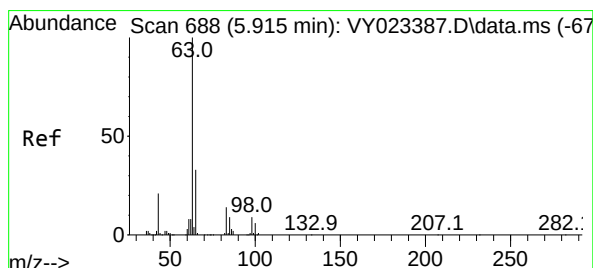
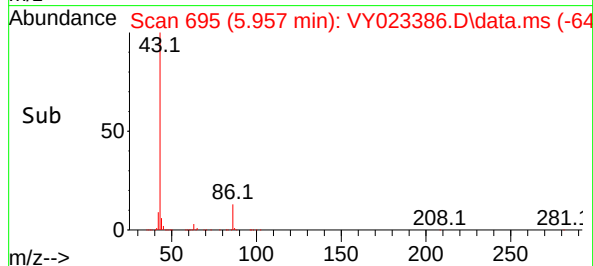
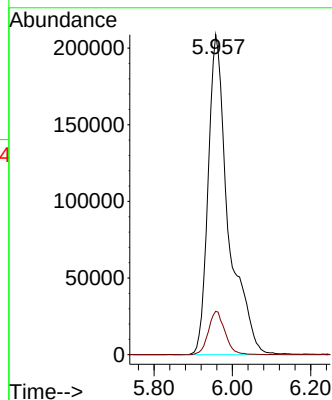
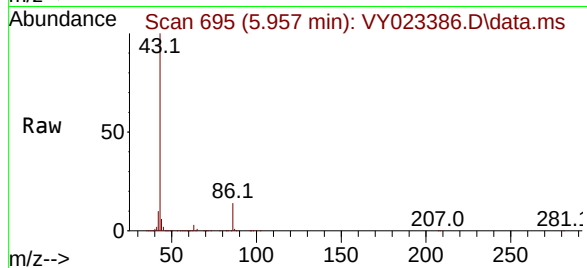
15.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 19.354 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion: 63 Resp: 190012

Ion Ratio Lower Upper

63

100

98

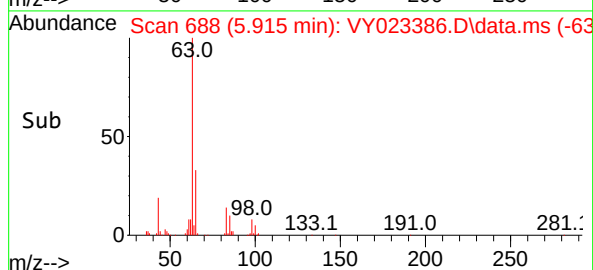
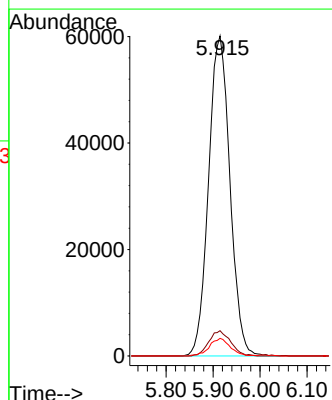
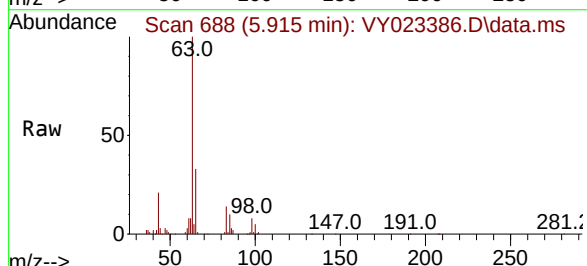
7.9

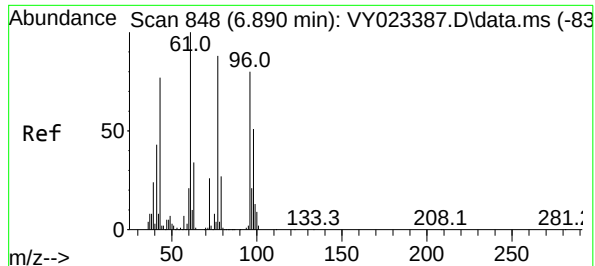
100

5.5

2.8

8.4





#25

2-Butanone

Concen: 95.593 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 132159

Ion Ratio Lower Upper

43 100

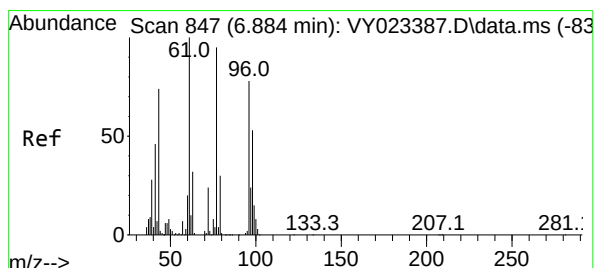
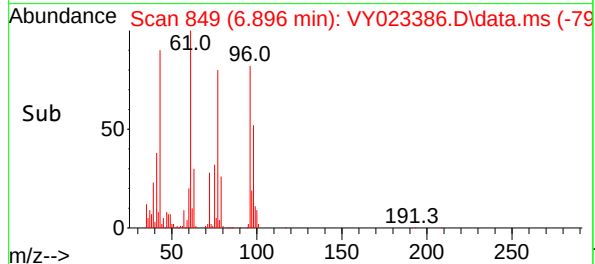
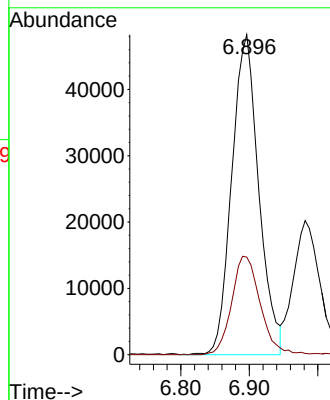
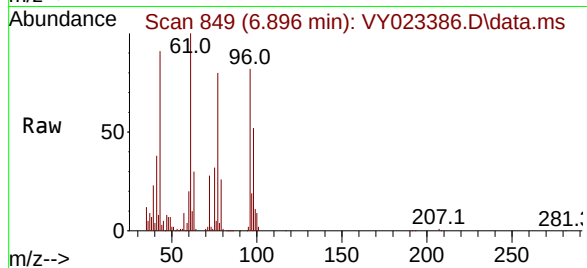
72 30.5 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 19.247 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023386.D

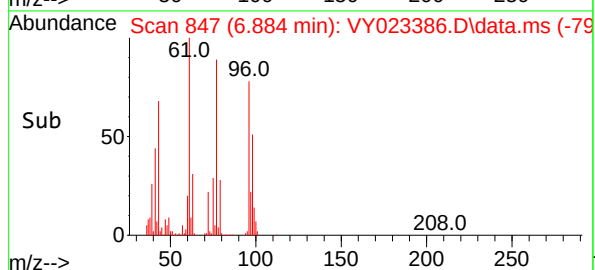
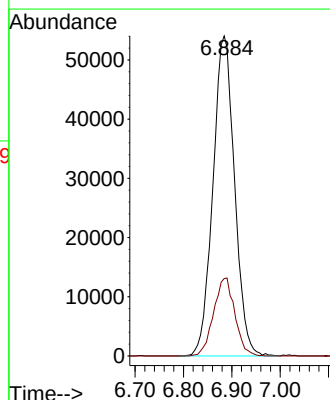
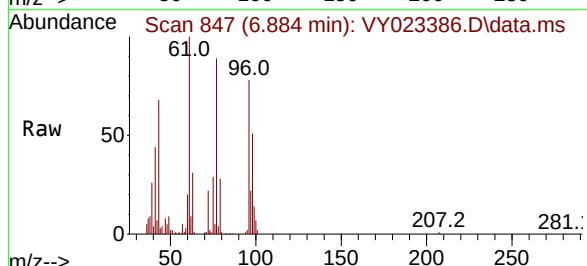
Acq: 07 Oct 2025 11:24

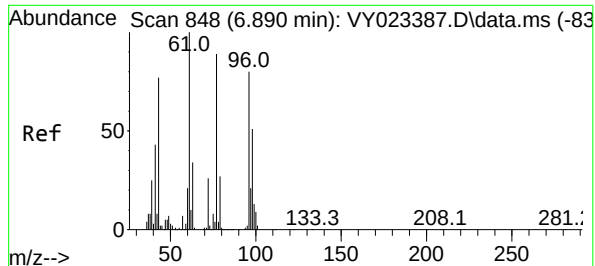
Tgt Ion: 77 Resp: 167903

Ion Ratio Lower Upper

77 100

97 23.9 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.747 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 133634

Ion Ratio Lower Upper

96 100

61 128.1 0.0 258.2

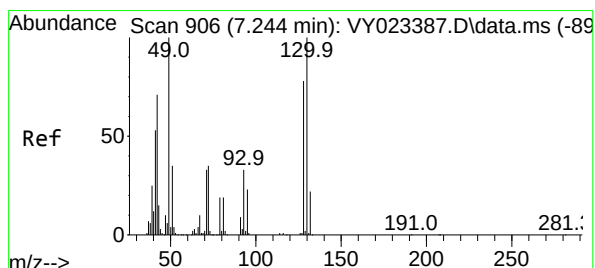
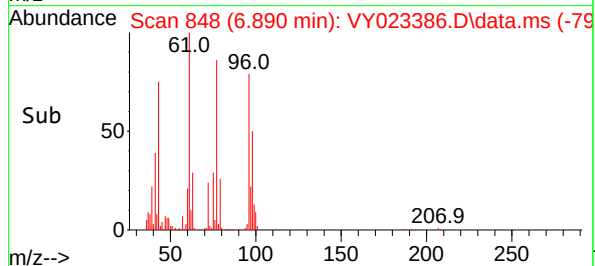
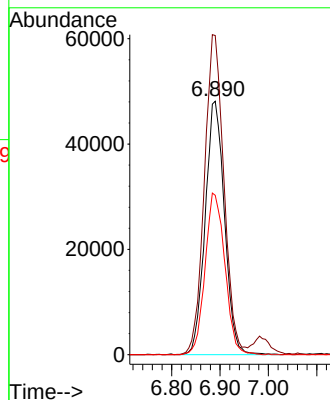
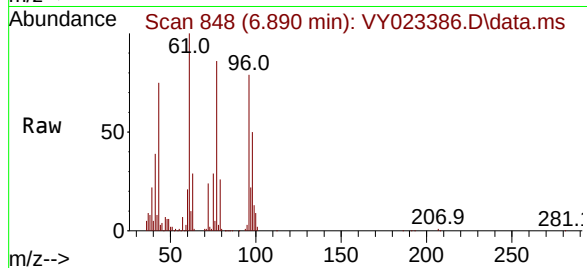
98 65.3 0.0 132.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#28

Bromochloromethane

Concen: 19.273 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

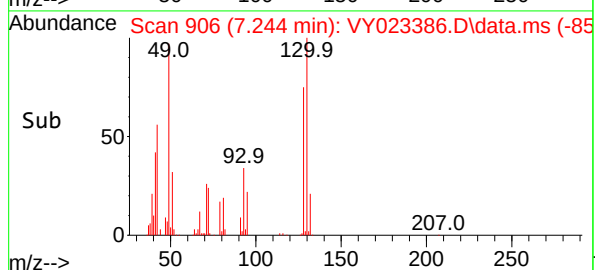
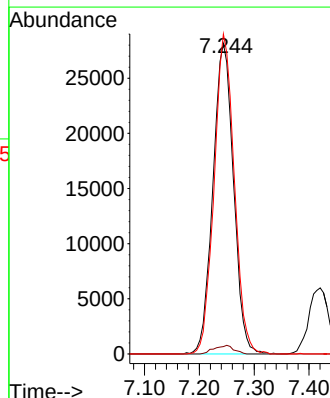
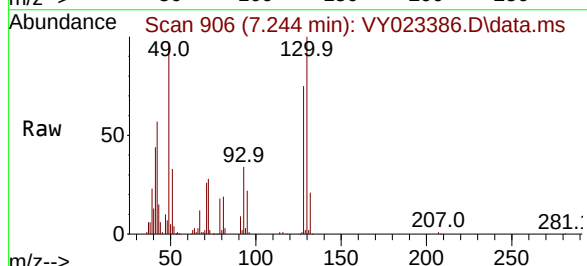
Tgt Ion: 49 Resp: 73407

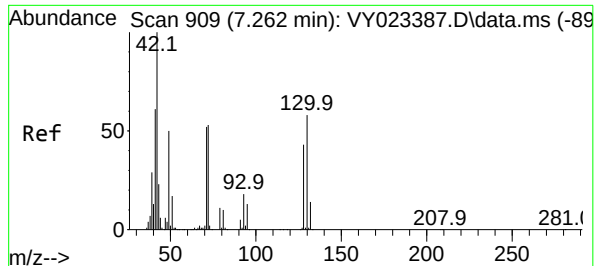
Ion Ratio Lower Upper

49 100

129 2.7 0.0 5.6

130 100.8 81.9 122.9





#29

Tetrahydrofuran

Concen: 93.229 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

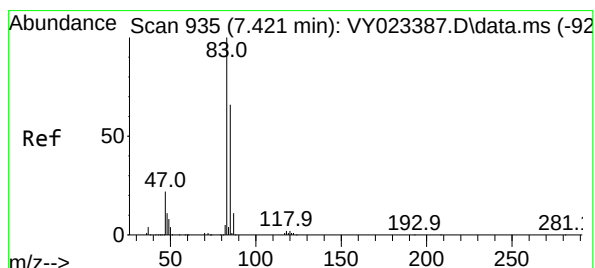
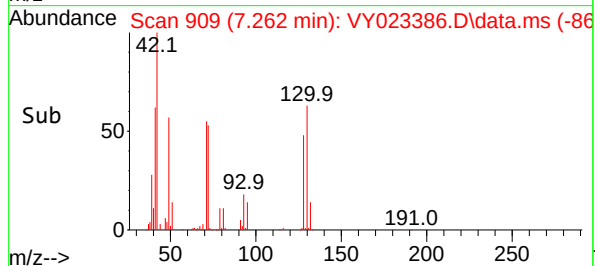
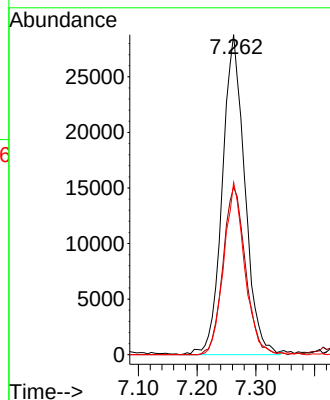
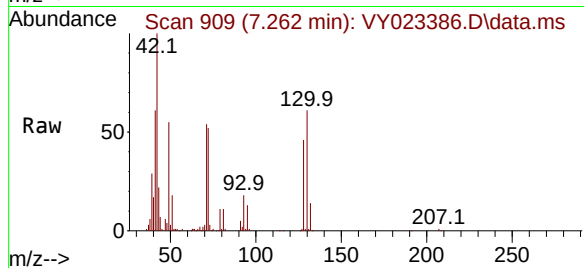
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 76502 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 52.7  | 43.0  | 64.6  |
| 71       | 50.6  | 40.1  | 60.1  |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#30

Chloroform

Concen: 19.562 ug/l

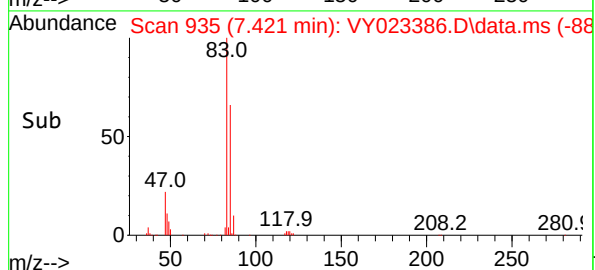
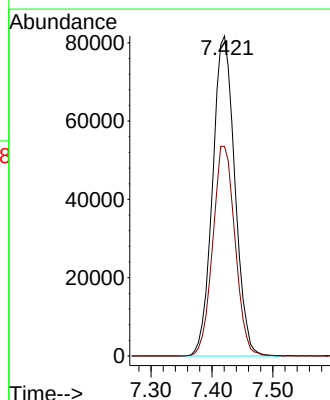
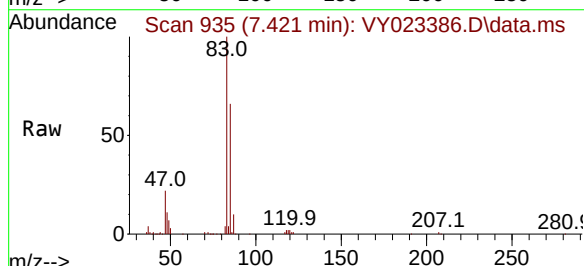
RT: 7.421 min Scan# 935

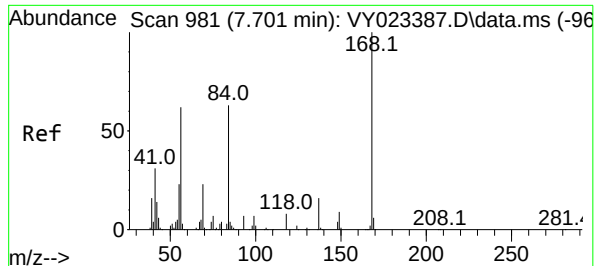
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

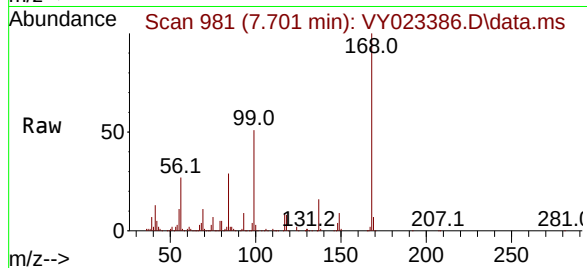
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 207096 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.5  | 52.5  | 78.7   |





#31  
Cyclohexane  
Concen: 18.472 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

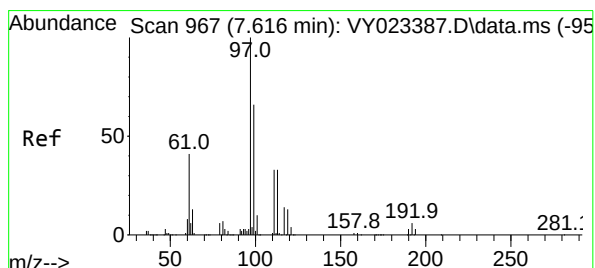
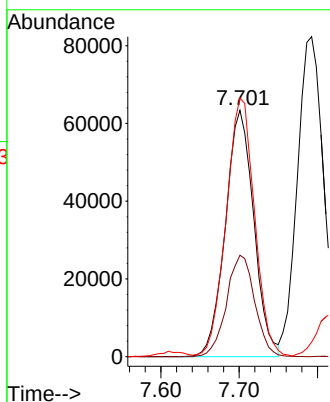
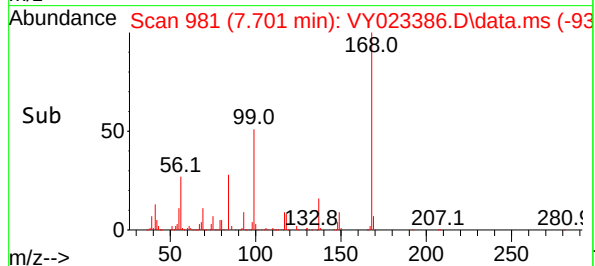
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020



Tgt Ion: 56 Resp: 160159  
Ion Ratio Lower Upper  
56 100  
69 41.2 30.0 45.0  
84 103.3 81.2 121.8

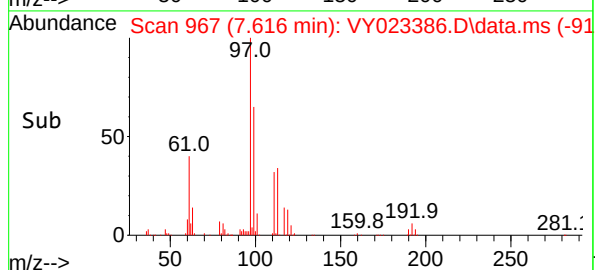
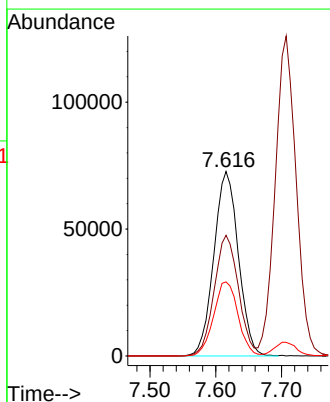
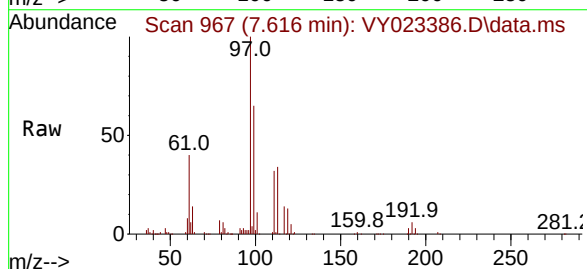
Manual Integrations  
APPROVED

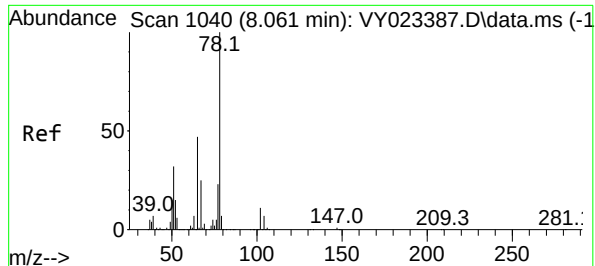
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#32  
1,1,1-Trichloroethane  
Concen: 19.873 ug/l  
RT: 7.616 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Tgt Ion: 97 Resp: 188861  
Ion Ratio Lower Upper  
97 100  
99 64.4 51.4 77.2  
61 40.1 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 19.798 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 9848

Ion Ratio Lower Upper

65 100

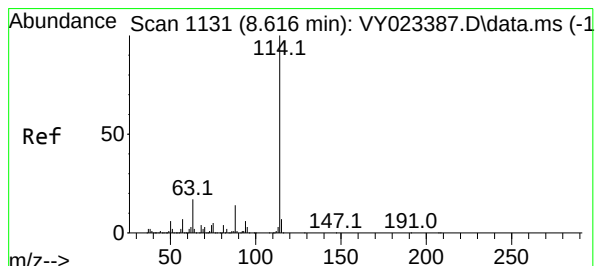
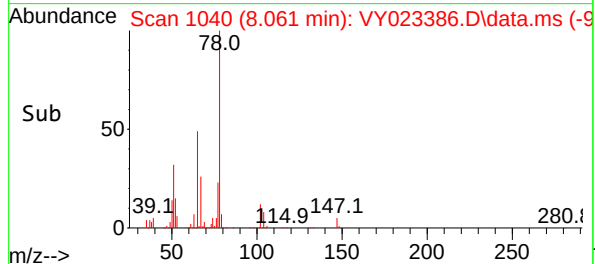
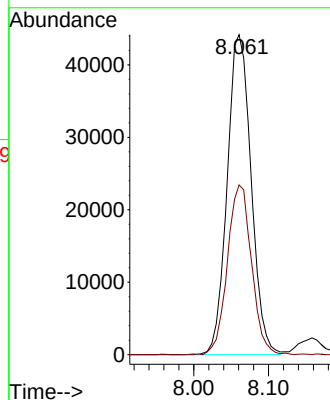
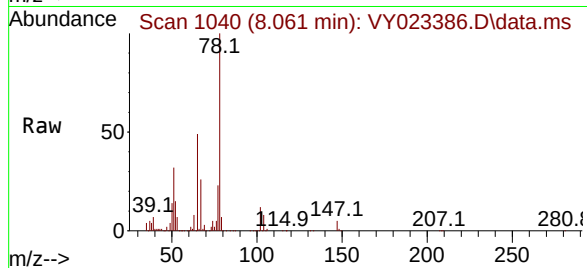
67 53.3 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

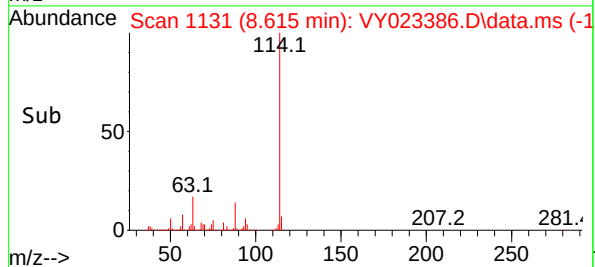
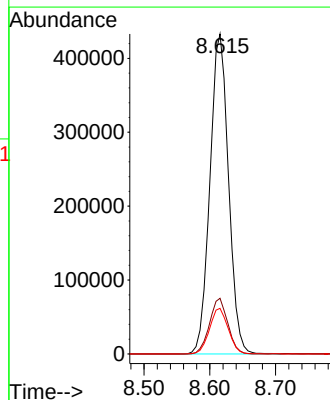
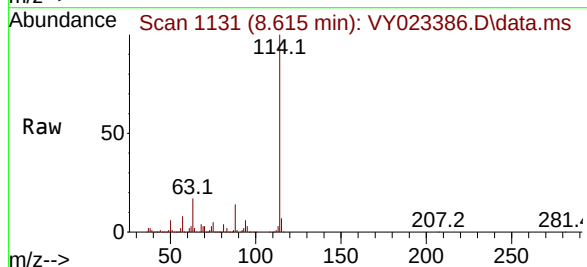
Tgt Ion:114 Resp: 851961

Ion Ratio Lower Upper

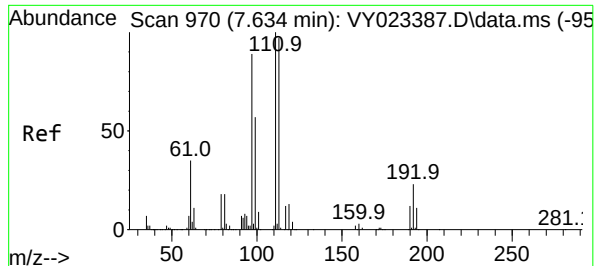
114 100

63 17.4 0.0 34.2

88 14.3 0.0 28.4







#35

Dibromofluoromethane

Concen: 20.895 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion:113 Resp: 108034

Ion Ratio Lower Upper

113 100

111 100.9 81.8 122.6

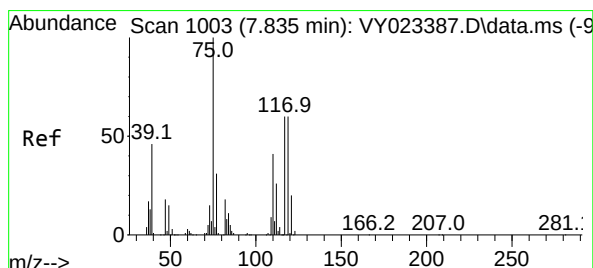
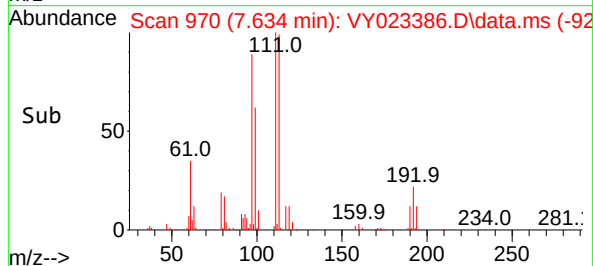
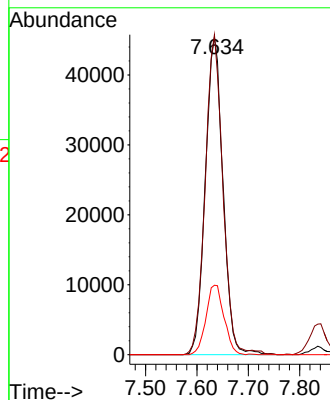
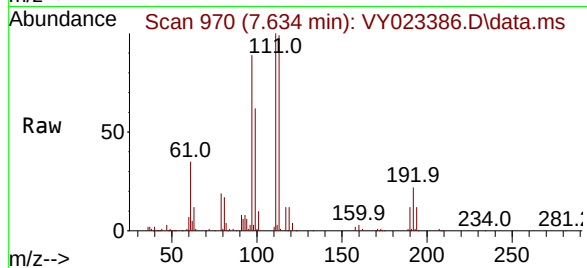
192 22.3 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#36

1,1-Dichloropropene

Concen: 19.317 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

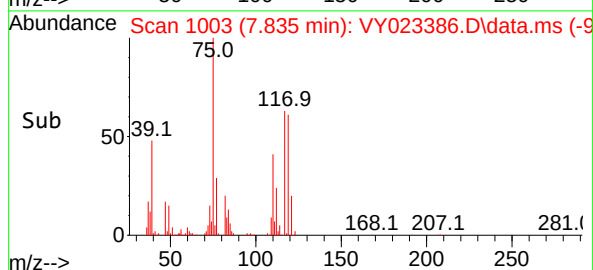
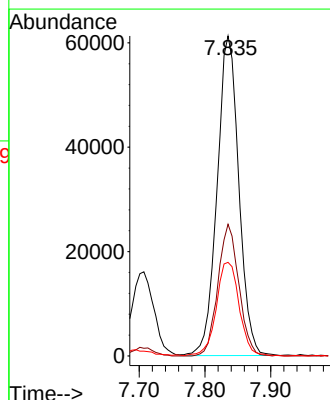
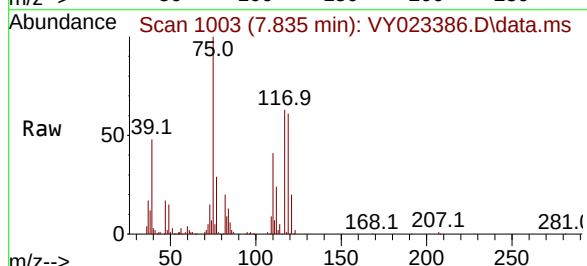
Tgt Ion: 75 Resp: 140912

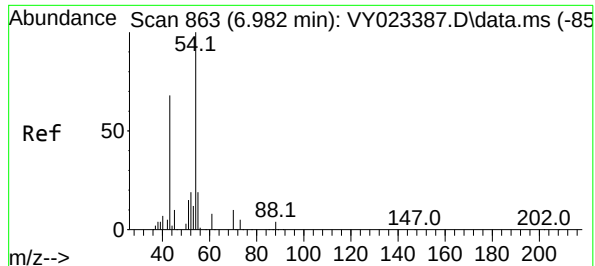
Ion Ratio Lower Upper

75 100

110 39.7 19.9 59.7

77 31.0 25.0 37.6





#37

Ethyl Acetate

Concen: 19.315 ug/l

RT: 6.982 min Scan# 863

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

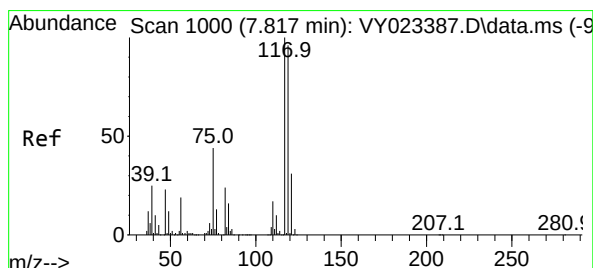
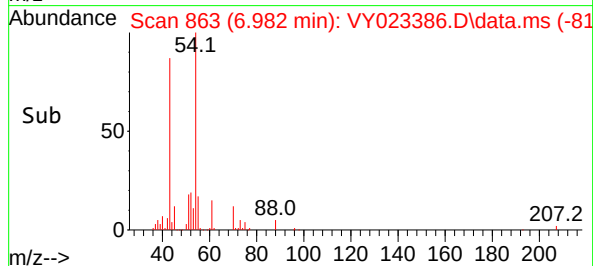
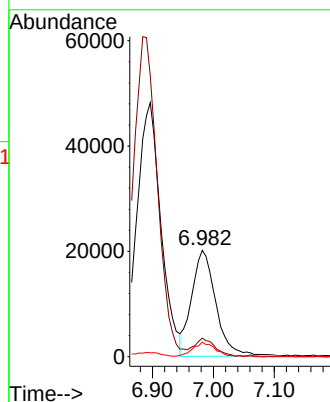
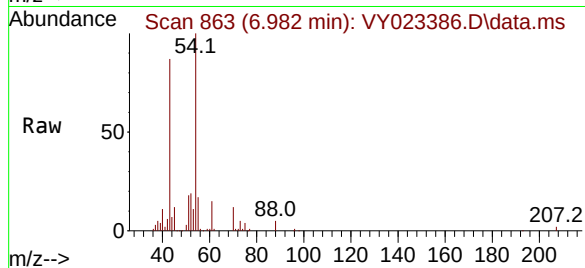
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5570  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 13.9  | 11.8  | 17.8  |
| 70       | 12.7  | 10.5  | 15.7  |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#38

Carbon Tetrachloride

Concen: 20.289 ug/l

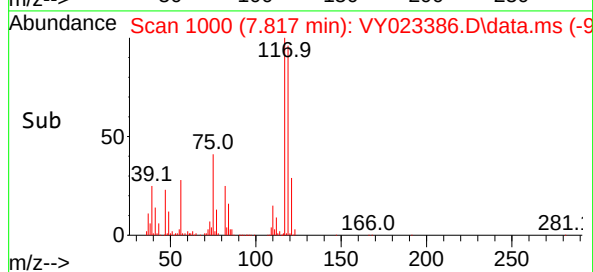
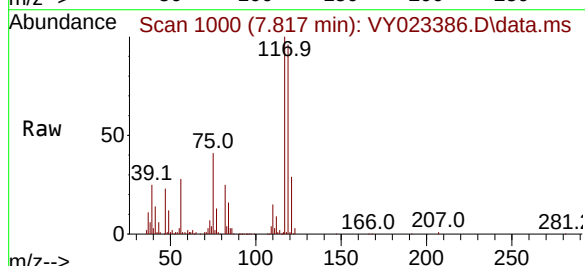
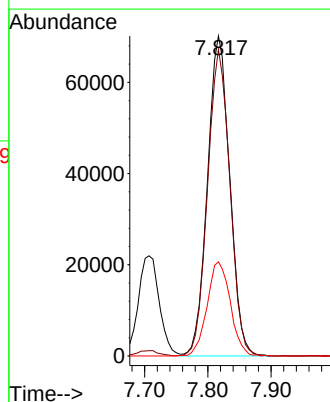
RT: 7.817 min Scan# 1000

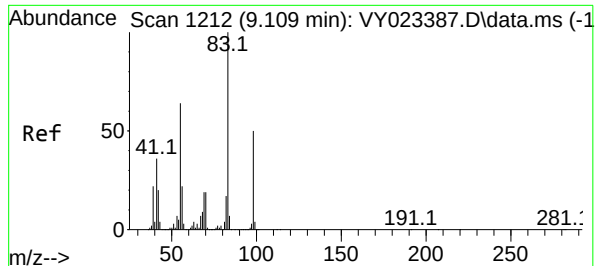
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 171925 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.8  | 76.8  | 115.2  |
| 121      | 29.4  | 24.5  | 36.7   |





#39

Methylcyclohexane

Concen: 19.576 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 18283

Ion Ratio Lower Upper

83 100

55 64.8 51.4 77.2

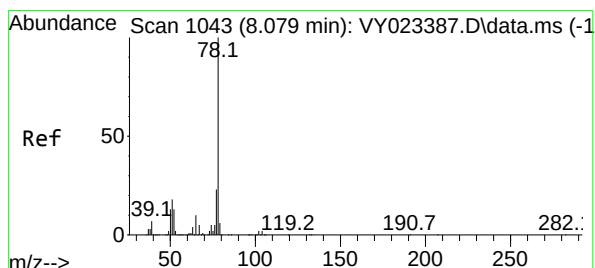
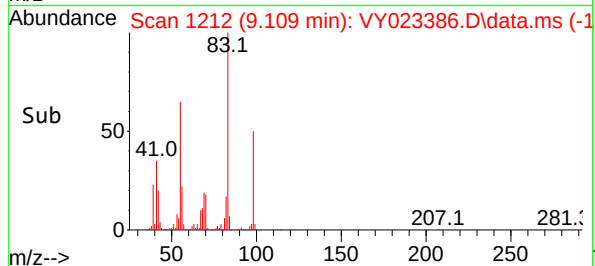
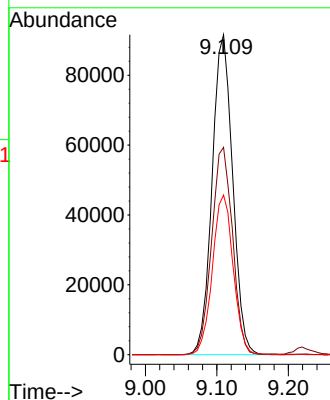
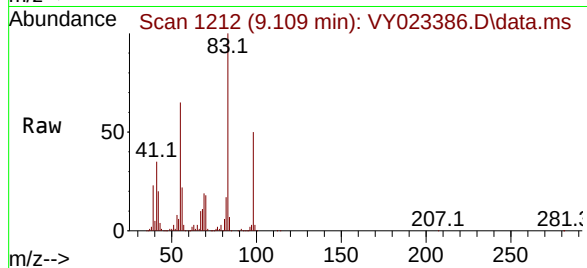
98 49.9 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Benzene

Concen: 19.809 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY023386.D

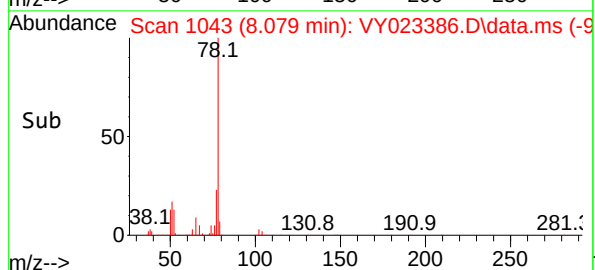
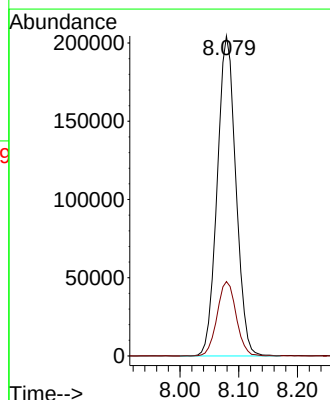
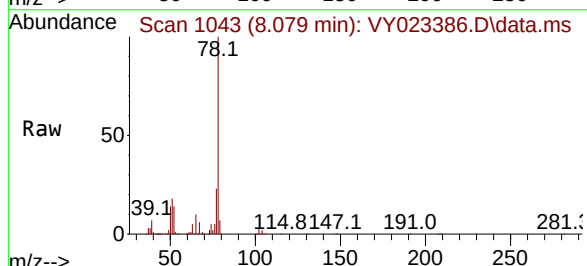
Acq: 07 Oct 2025 11:24

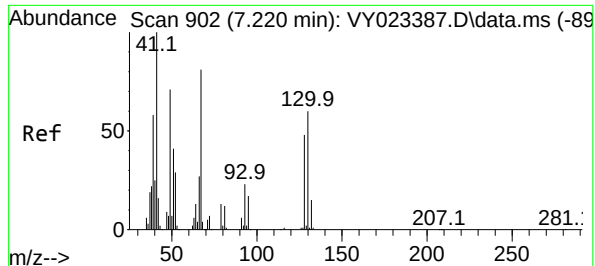
Tgt Ion: 78 Resp: 450471

Ion Ratio Lower Upper

78 100

77 23.2 18.3 27.5





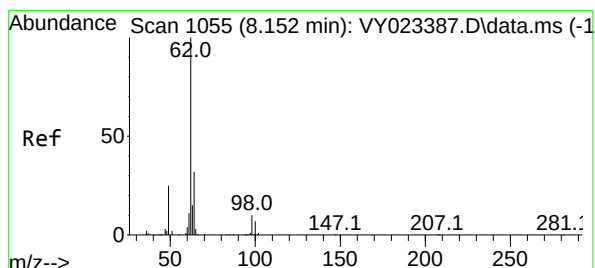
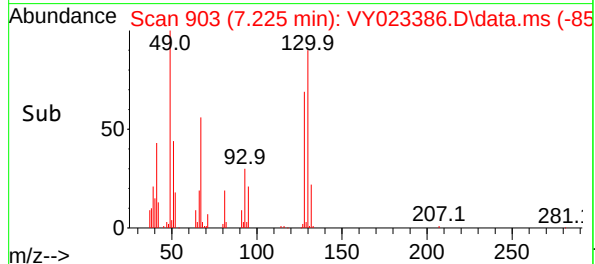
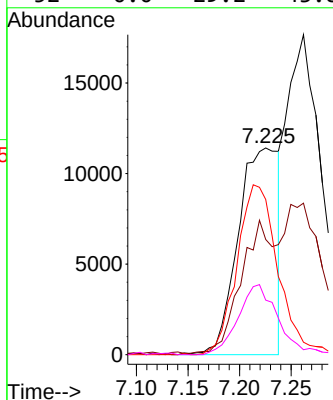
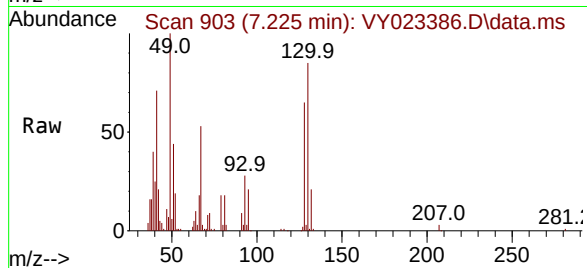
#41  
Methacrylonitrile  
Concen: 20.783 ug/l m  
RT: 7.225 min Scan# 902  
Delta R.T. 0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

Tgt Ion: 41 Resp: 31129  
Ion Ratio Lower Upper  
41 100  
39 68.6 52.2 78.4  
67 0.0 74.9 112.3  
52 0.0 29.2 43.8#

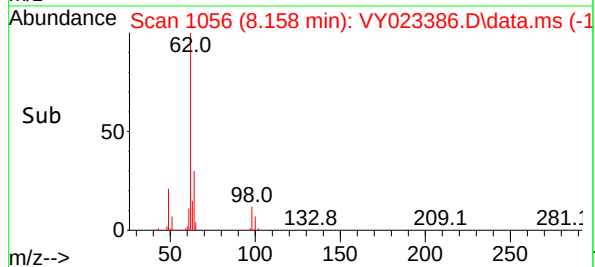
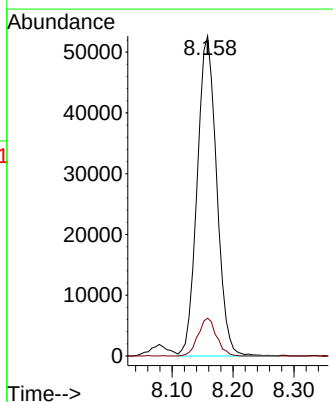
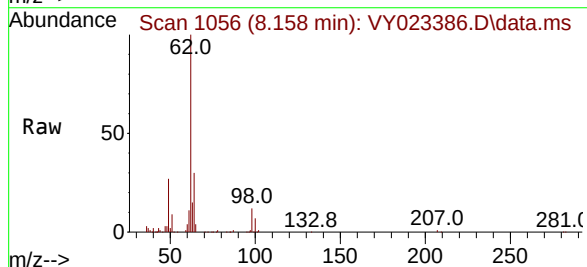
Manual Integrations  
APPROVED

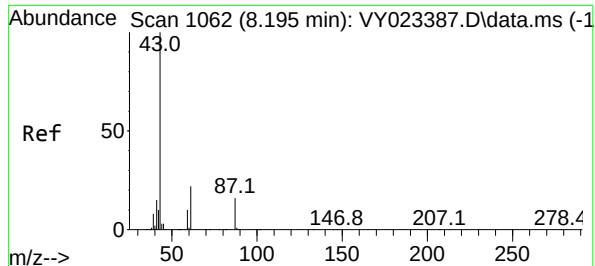
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#42  
1,2-Dichloroethane  
Concen: 20.206 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Tgt Ion: 62 Resp: 116941  
Ion Ratio Lower Upper  
62 100  
98 11.2 0.0 21.6





#43

Isopropyl Acetate

Concen: 19.002 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

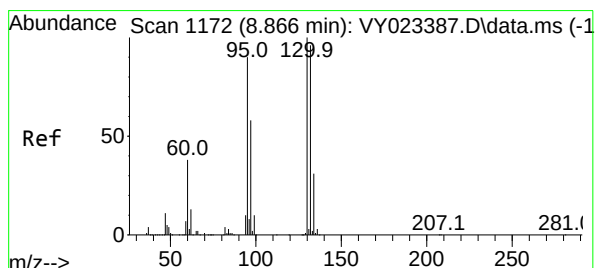
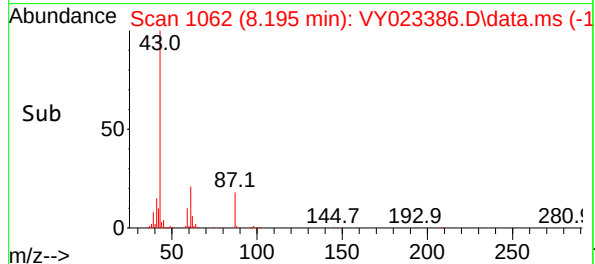
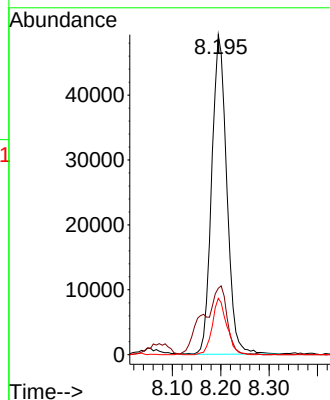
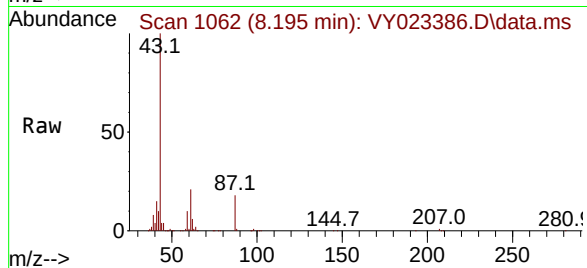
ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 106599  
Ion Ratio Lower Upper  
43 100  
61 33.1 18.1 27.1  
87 16.9 13.5 20.3

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#44

Trichloroethene

Concen: 20.598 ug/l

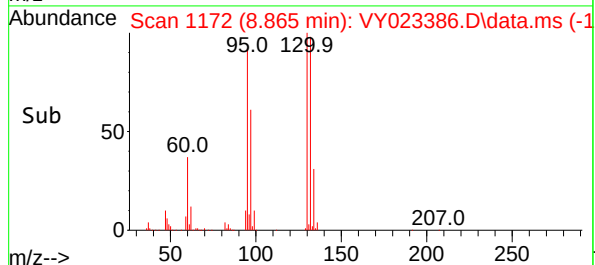
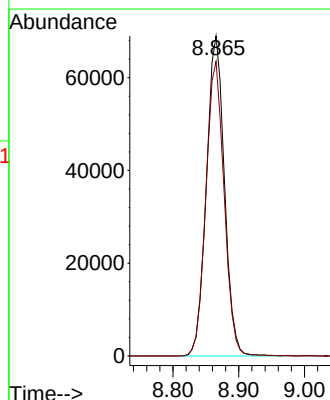
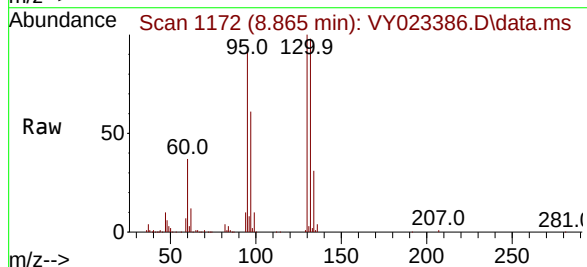
RT: 8.865 min Scan# 1172

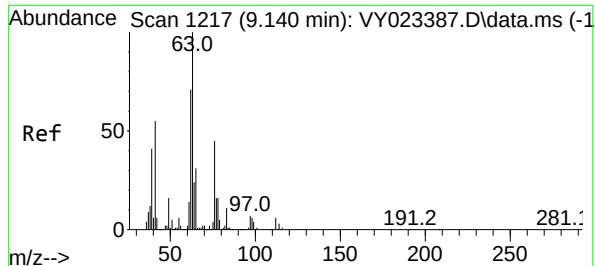
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion:130 Resp: 131459  
Ion Ratio Lower Upper  
130 100  
95 92.0 0.0 180.6





#45

1,2-Dichloropropane

Concen: 19.417 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 9936

Ion Ratio Lower Upper

63 100

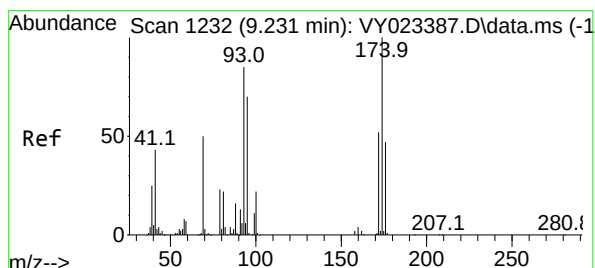
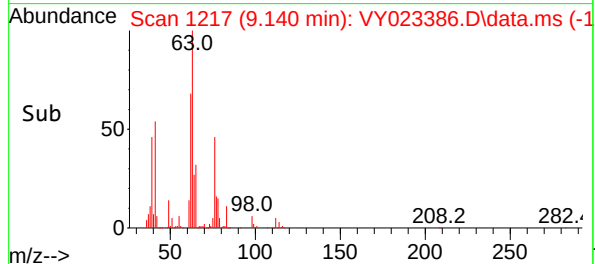
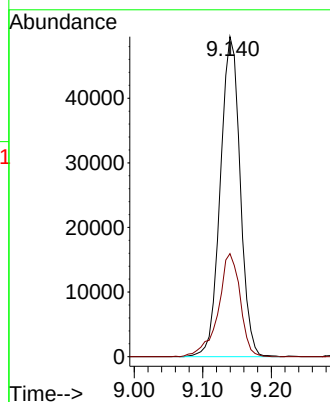
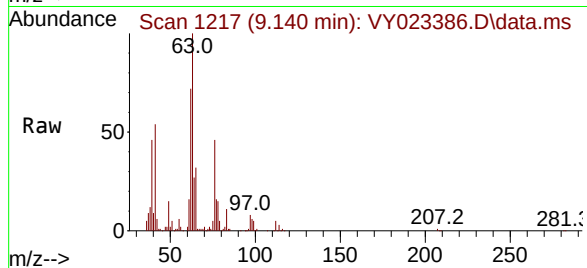
65 32.2 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

Concen: 19.896 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

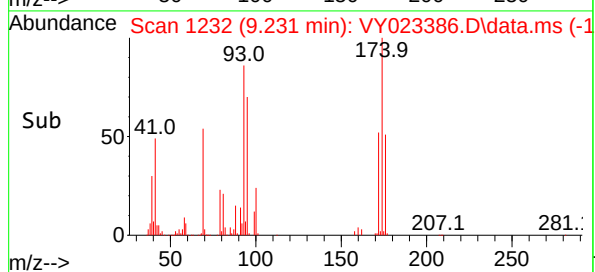
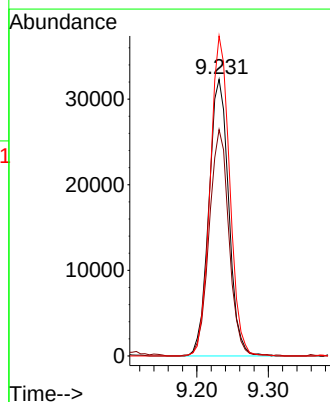
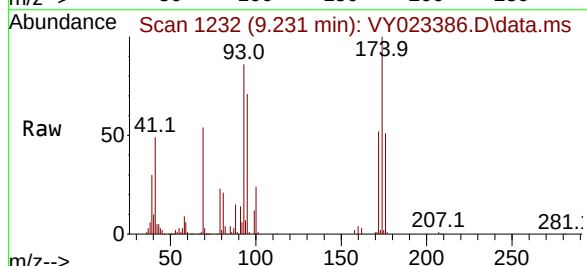
Tgt Ion: 93 Resp: 62277

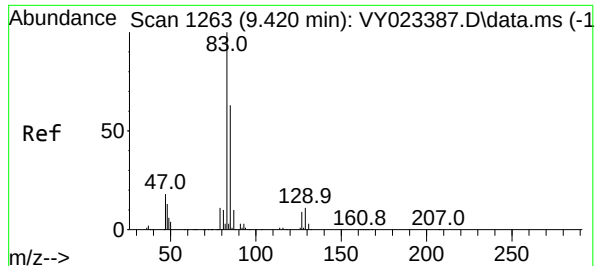
Ion Ratio Lower Upper

93 100

95 81.3 65.4 98.0

174 113.6 92.9 139.3





#47

Bromodichloromethane

Concen: 19.854 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

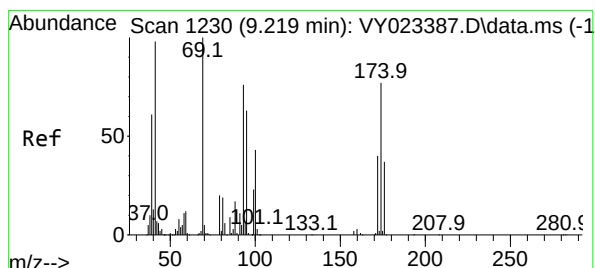
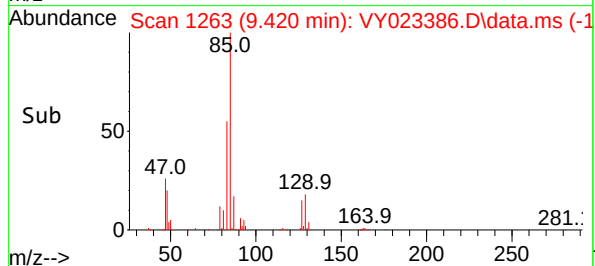
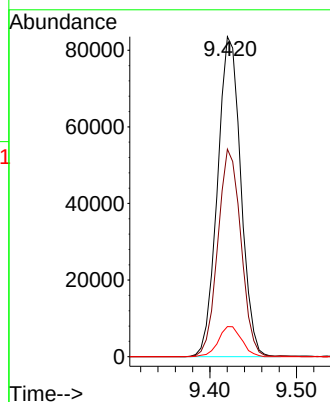
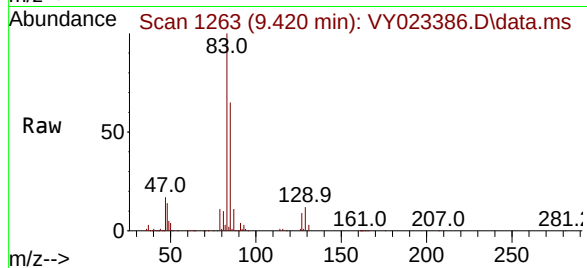
VSTDICC020

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 156420 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.9  | 50.8  | 76.2   |
| 127      | 9.4   | 7.4   | 11.2   |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#48

Methyl methacrylate

Concen: 19.352 ug/l

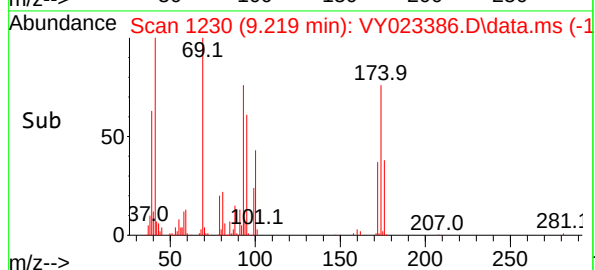
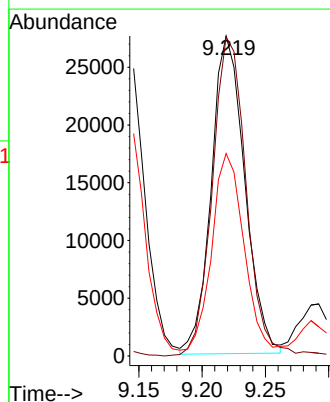
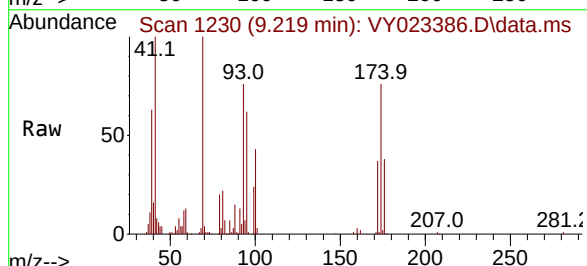
RT: 9.219 min Scan# 1230

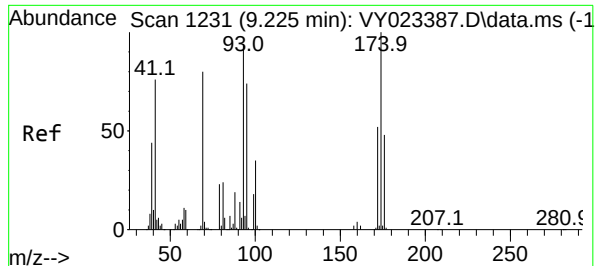
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 50661 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 102.0 | 81.0  | 121.4 |
| 39       | 58.8  | 48.2  | 72.4  |





#49

1,4-Dioxane

Concen: 420.712 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 13630

Ion Ratio Lower Upper

88 100

43 28.9 21.8 32.8

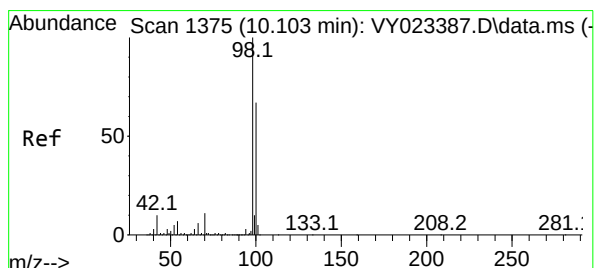
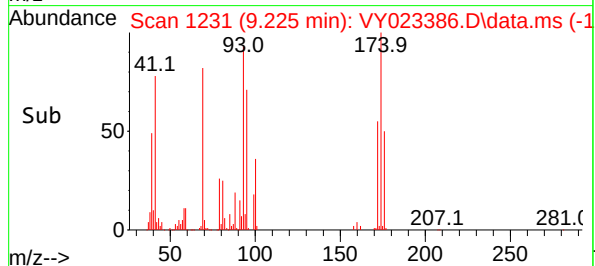
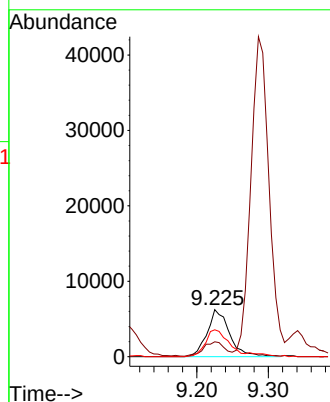
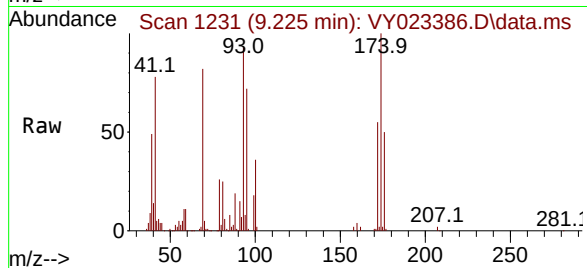
58 58.1 46.8 70.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#50

Toluene-d8

Concen: 20.568 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY023386.D

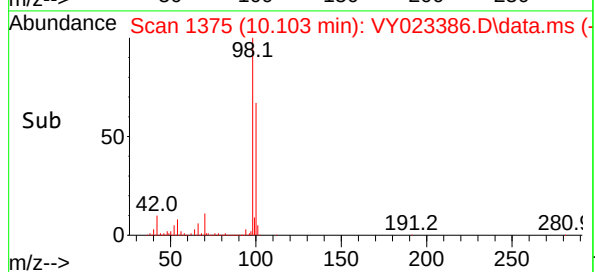
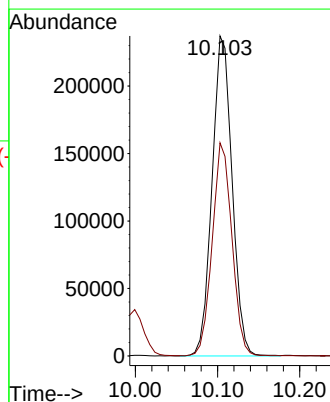
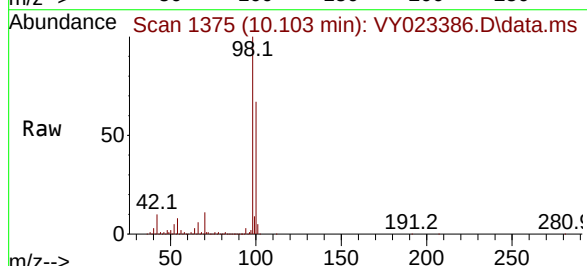
Acq: 07 Oct 2025 11:24

Tgt Ion: 98 Resp: 401067

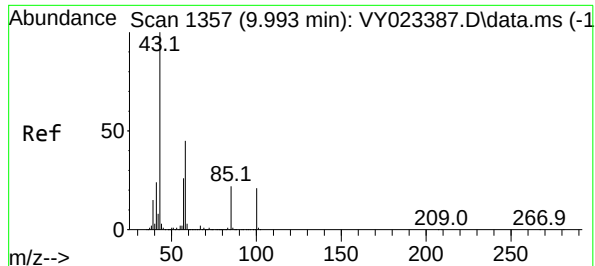
Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.4







#51

4-Methyl-2-Pentanone

Concen: 95.378 ug/l

RT: 9.999 min Scan# 1357

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 274059

Ion Ratio Lower Upper

43 100

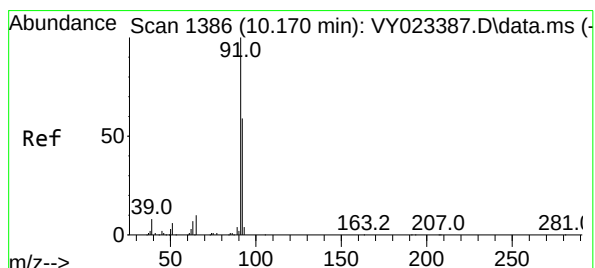
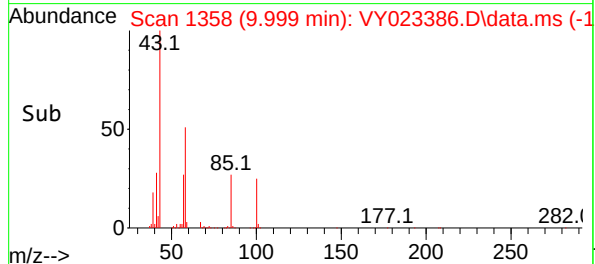
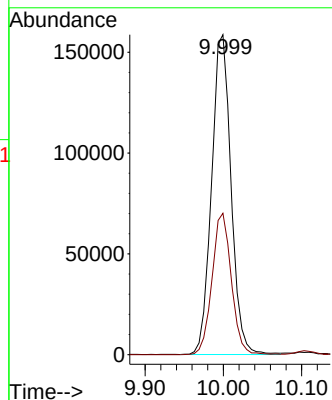
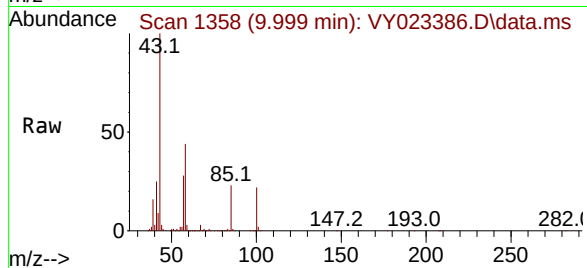
58 43.8 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#52

Toluene

Concen: 20.191 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VY023386.D

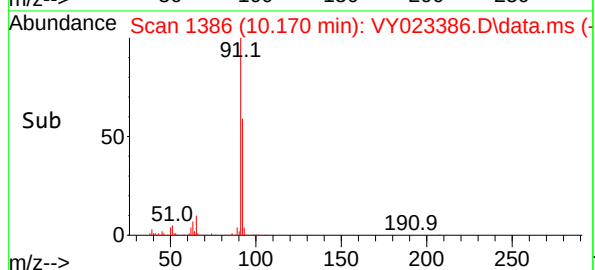
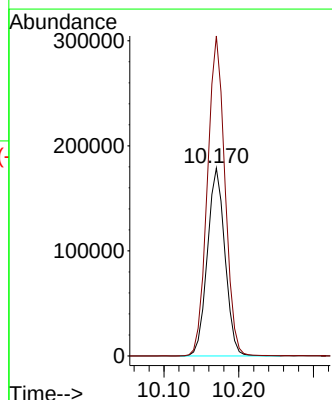
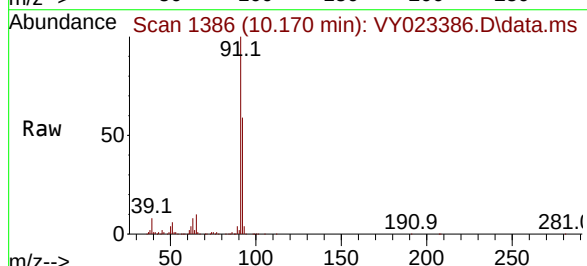
Acq: 07 Oct 2025 11:24

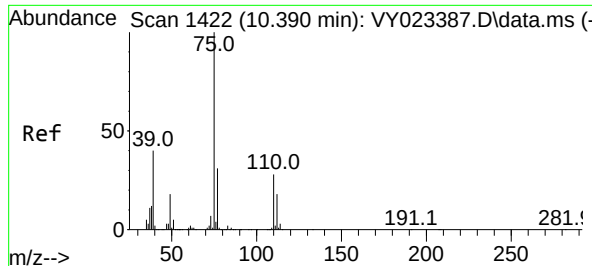
Tgt Ion: 92 Resp: 291453

Ion Ratio Lower Upper

92 100

91 170.0 136.4 204.6





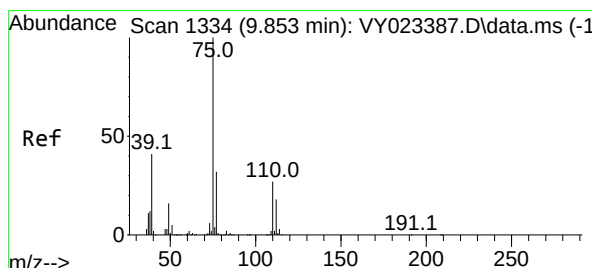
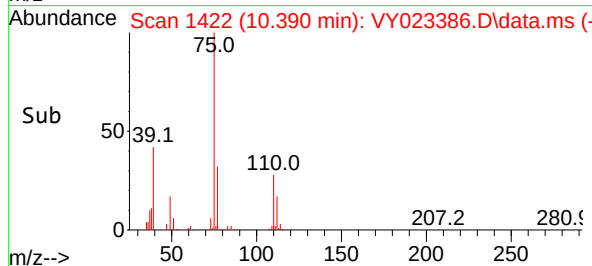
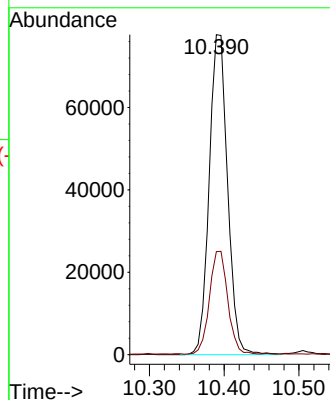
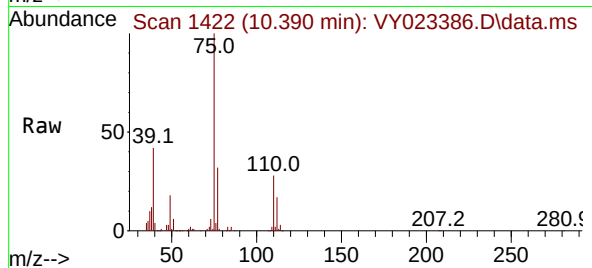
#53  
t-1,3-Dichloropropene  
Concen: 19.632 ug/l  
RT: 10.390 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

Tgt Ion: 75 Resp: 132848  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.1 37.7

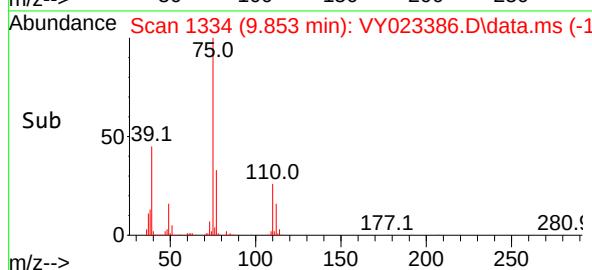
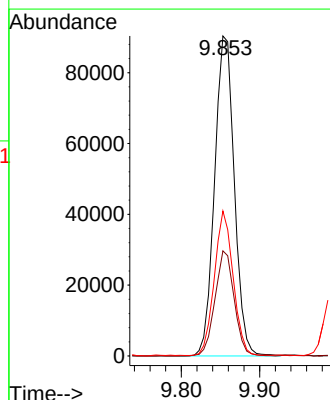
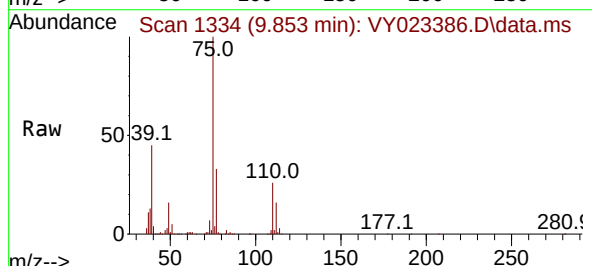
Manual Integrations  
APPROVED

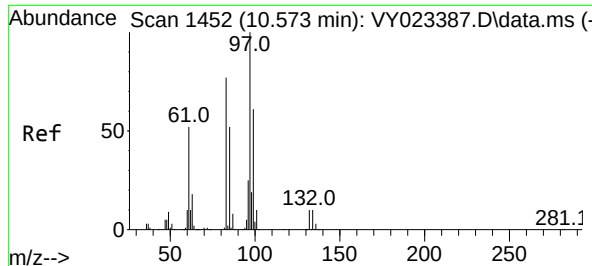
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#54  
cis-1,3-Dichloropropene  
Concen: 19.606 ug/l  
RT: 9.853 min Scan# 1334  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 158580  
Ion Ratio Lower Upper  
75 100  
77 32.8 25.4 38.0  
39 45.1 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 19.740 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 97 Resp: 8218

Ion Ratio Lower Upper

97 100

83 80.9 61.8 92.6

85 54.8 41.3 61.9

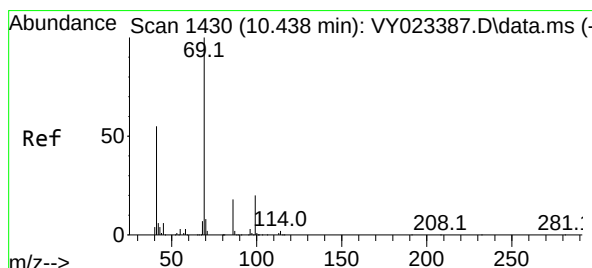
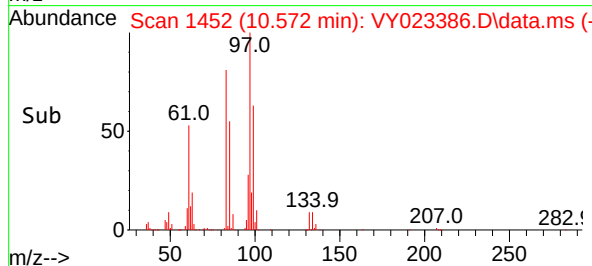
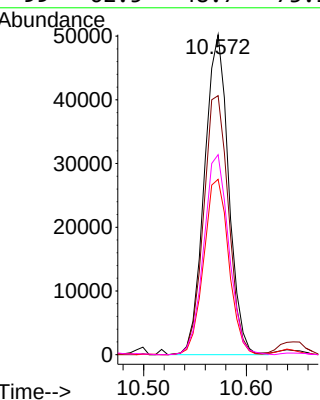
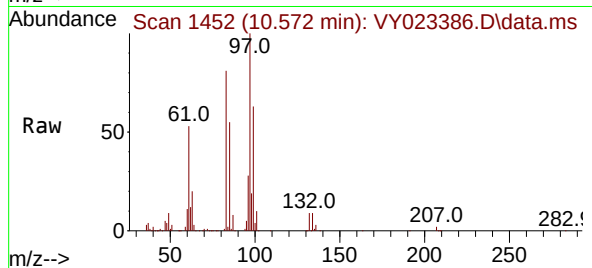
99 62.5 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#56

Ethyl methacrylate

Concen: 18.613 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

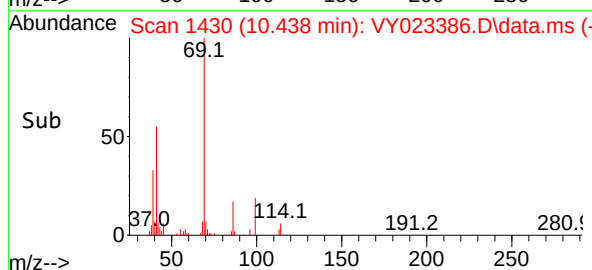
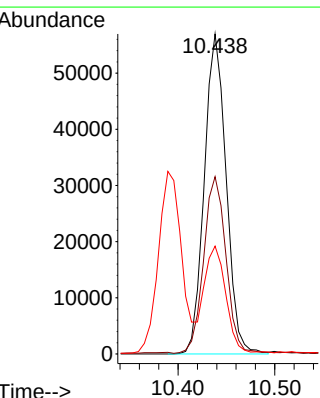
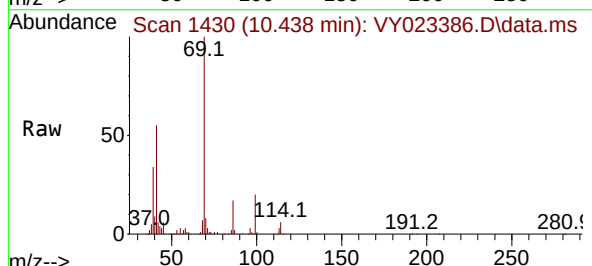
Tgt Ion: 69 Resp: 89244

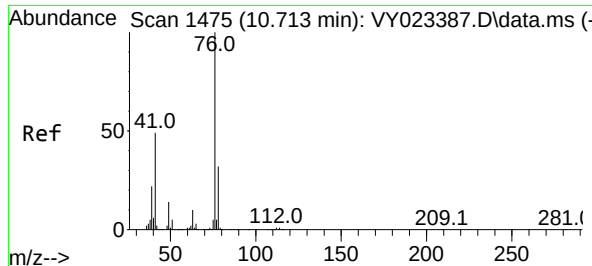
Ion Ratio Lower Upper

69 100

41 56.5 44.6 67.0

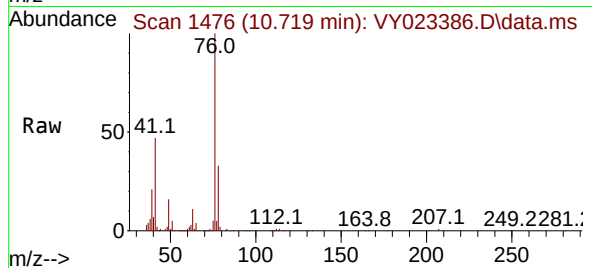
39 34.5 27.0 40.4





#57  
1,3-Dichloropropane  
Concen: 19.389 ug/l  
RT: 10.719 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

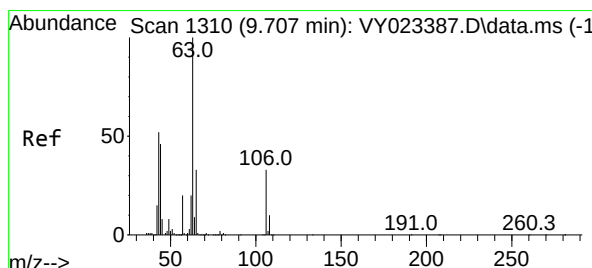
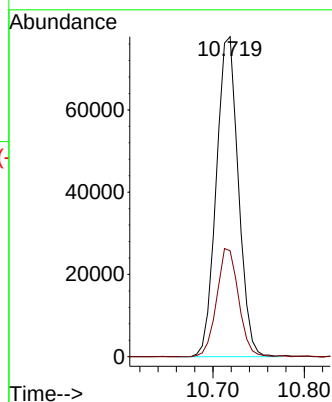
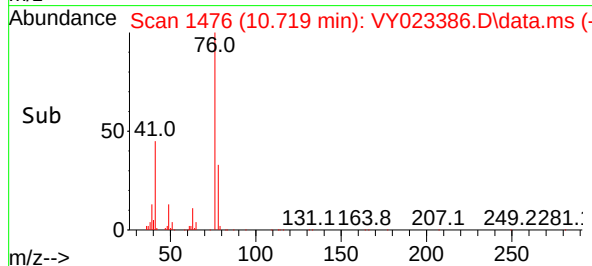
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020



Tgt Ion: 76 Resp: 130650  
Ion Ratio Lower Upper  
76 100  
78 33.5 25.9 38.9

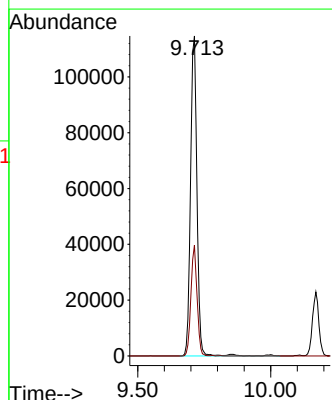
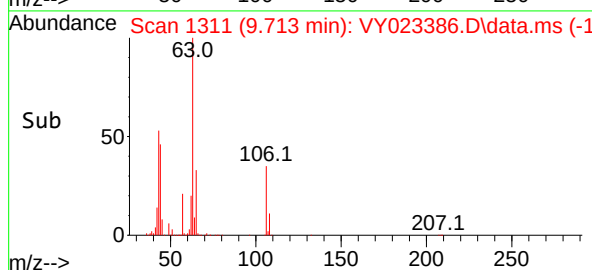
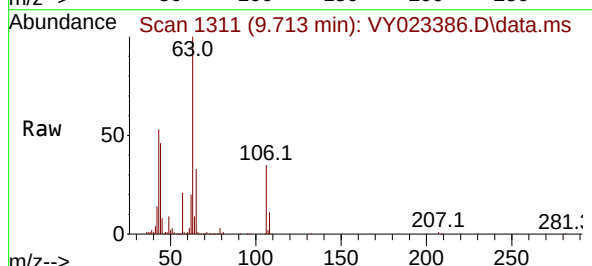
Manual Integrations  
APPROVED

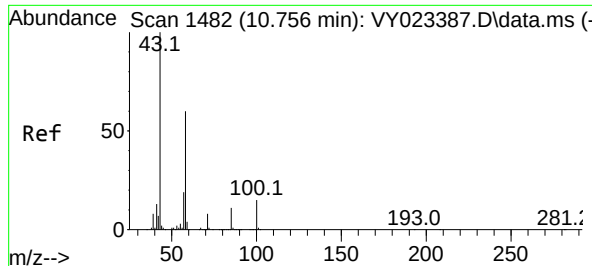
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#58  
2-Chloroethyl Vinyl ether  
Concen: 90.982 ug/l m  
RT: 9.713 min Scan# 1311  
Delta R.T. 0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

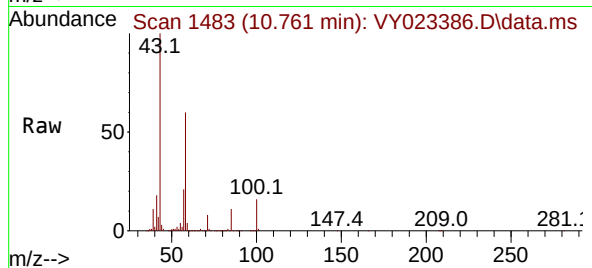
Tgt Ion: 63 Resp: 190850  
Ion Ratio Lower Upper  
63 100  
106 32.9 26.6 39.8





#59  
2-Hexanone  
Concen: 94.190 ug/l  
RT: 10.761 min Scan# 1482  
Delta R.T. 0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

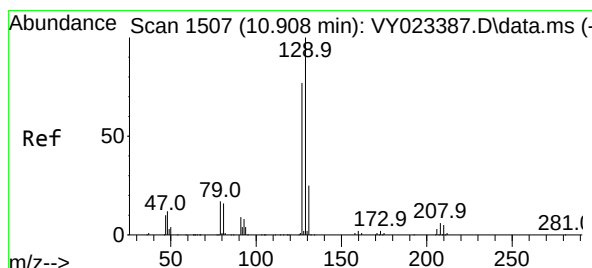
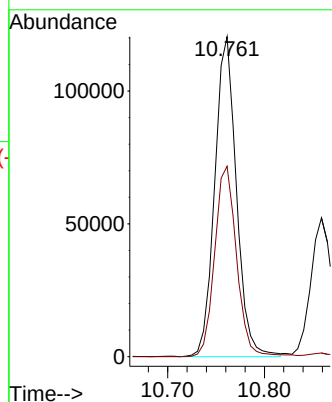
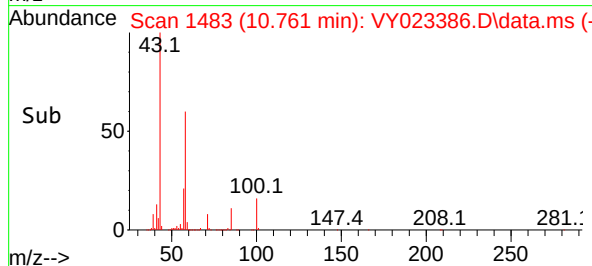
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020



Tgt Ion: 43 Resp: 18738  
Ion Ratio Lower Upper  
43 100  
58 60.2 30.5 91.5

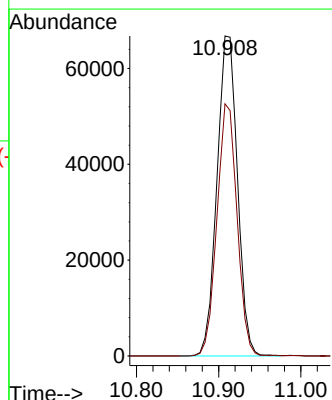
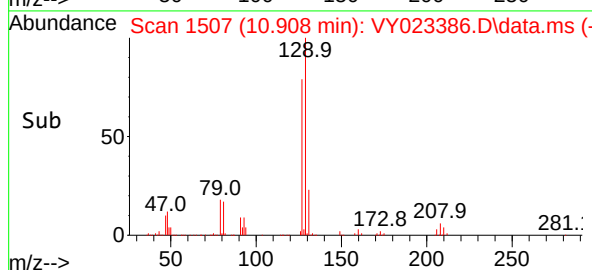
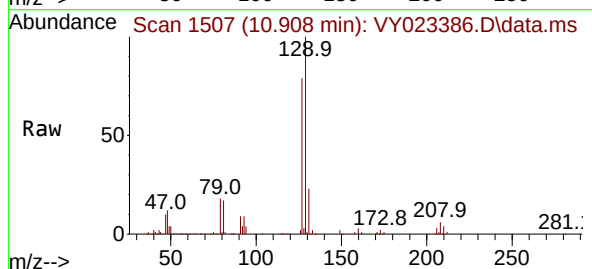
Manual Integrations  
APPROVED

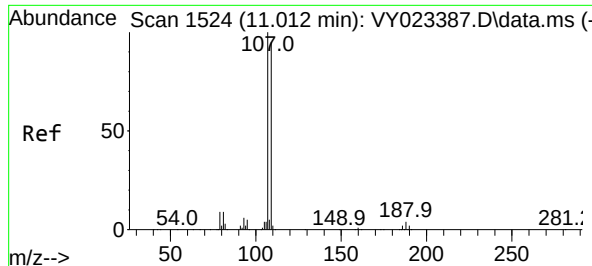
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#60  
Dibromochloromethane  
Concen: 20.412 ug/l  
RT: 10.908 min Scan# 1507  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Tgt Ion:129 Resp: 115907  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.6 115.7





#61

1,2-Dibromoethane

Concen: 20.062 ug/l

RT: 11.011 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

Tgt Ion:107 Resp: 78579

Ion Ratio Lower Upper

107 100

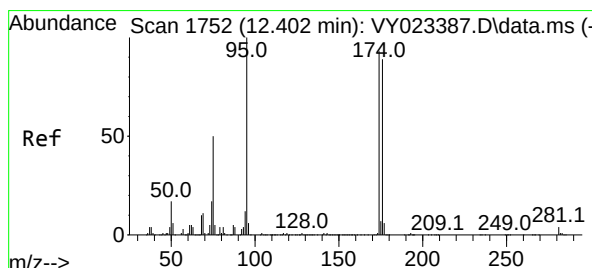
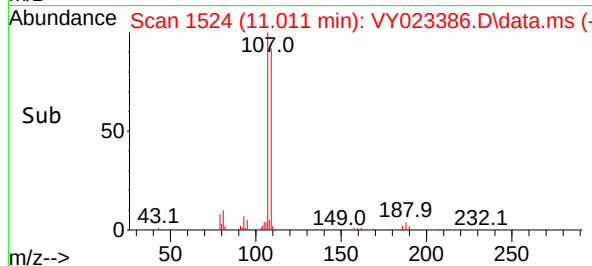
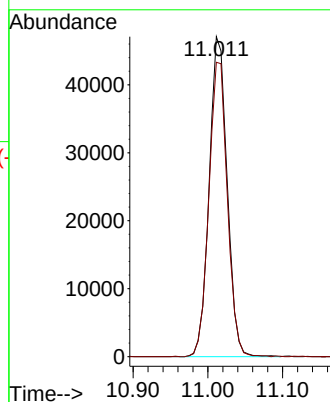
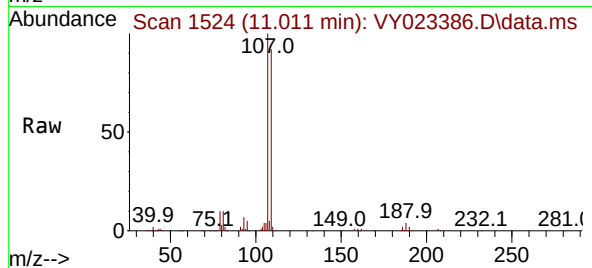
109 94.7 76.1 114.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#62

4-Bromofluorobenzene

Concen: 20.680 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

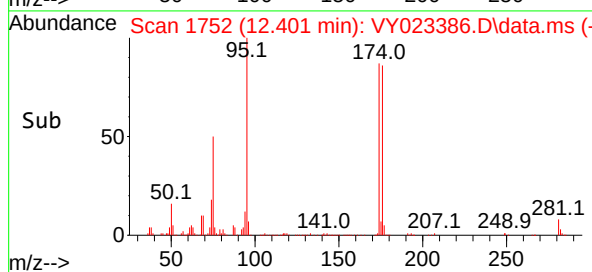
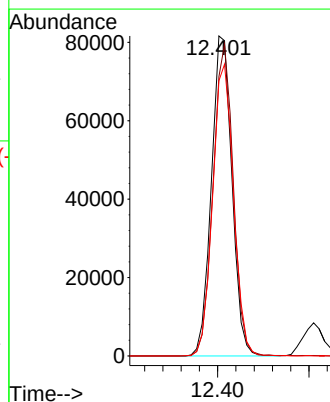
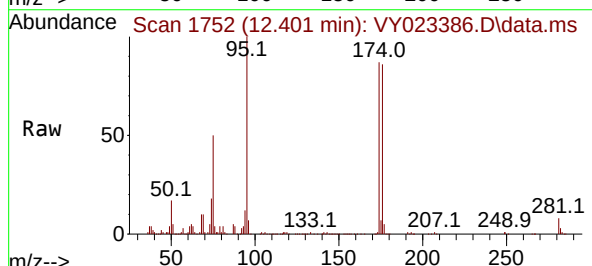
Tgt Ion: 95 Resp: 127216

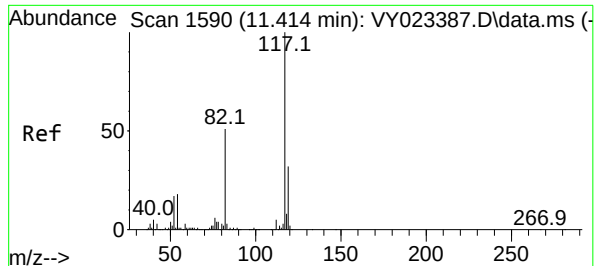
Ion Ratio Lower Upper

95 100

174 95.8 0.0 192.8

176 92.7 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion:117 Resp: 746872

Ion Ratio Lower Upper

117 100

82 50.3 41.0 61.4

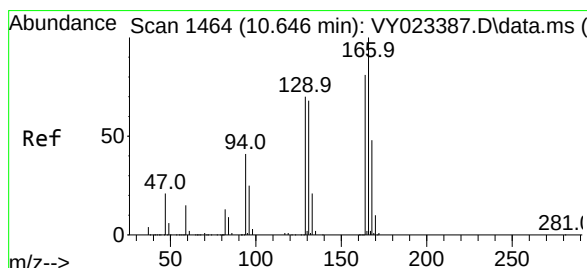
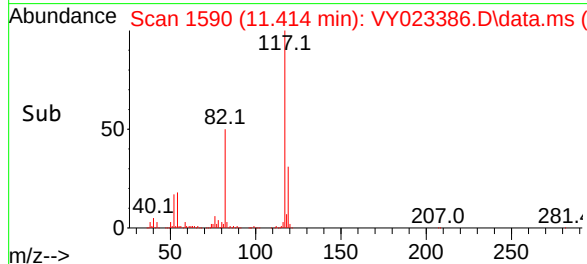
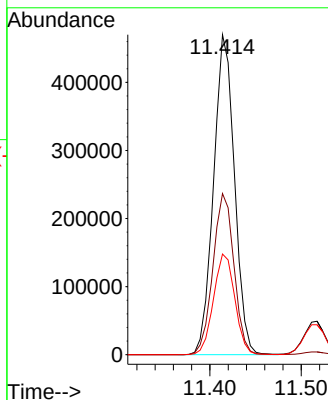
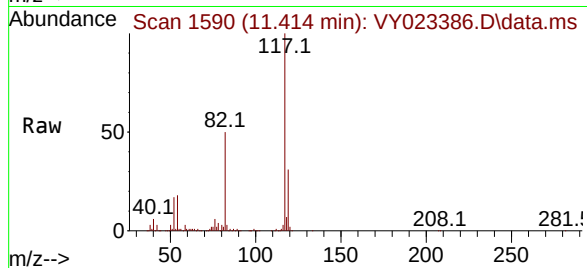
119 31.4 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#64

Tetrachloroethene

Concen: 22.438 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion:164 Resp: 167648

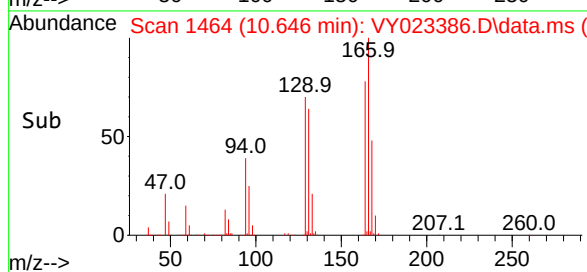
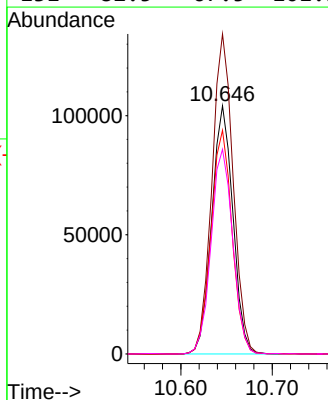
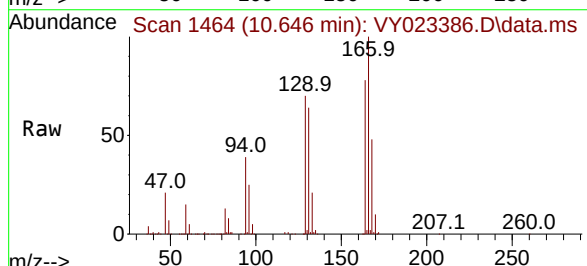
Ion Ratio Lower Upper

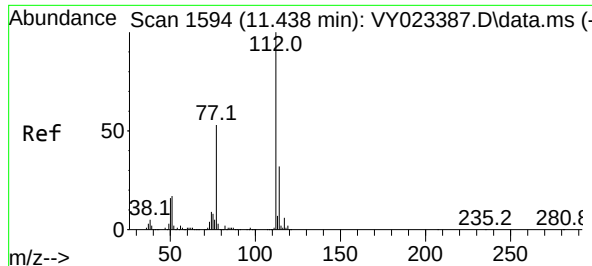
164 100

166 128.9 99.4 149.0

129 90.1 69.4 104.2

131 82.5 67.5 101.3





#65

Chlorobenzene

Concen: 20.109 ug/l

RT: 11.438 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 326360

Ion Ratio Lower Upper

112 100

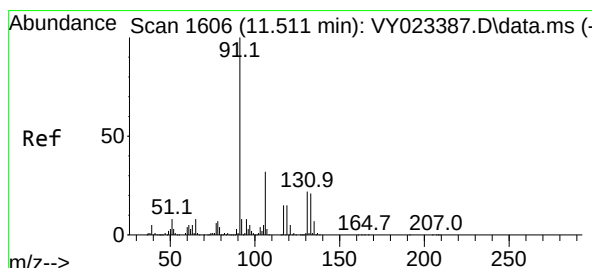
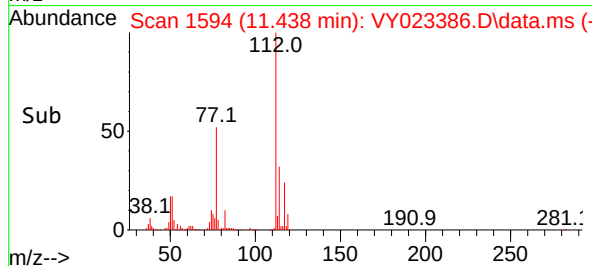
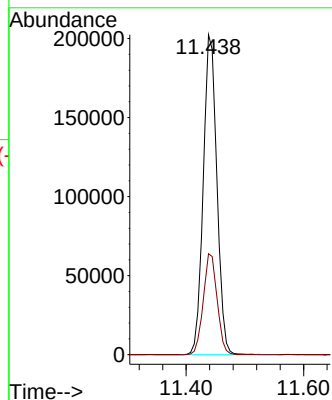
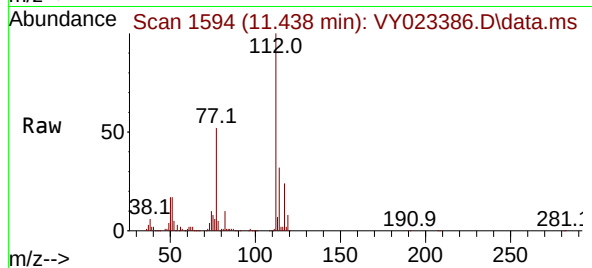
114 31.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 20.396 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

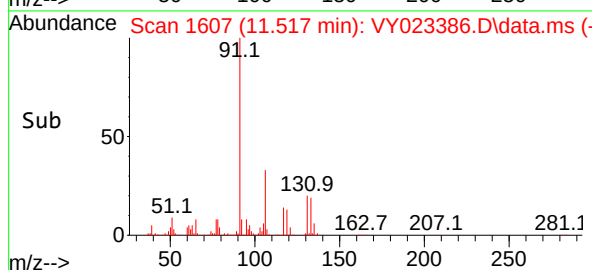
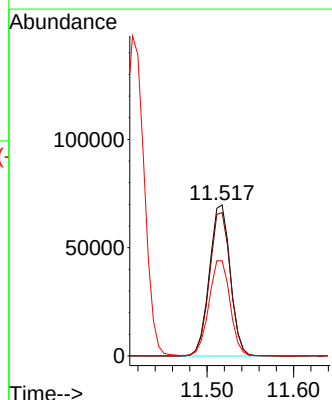
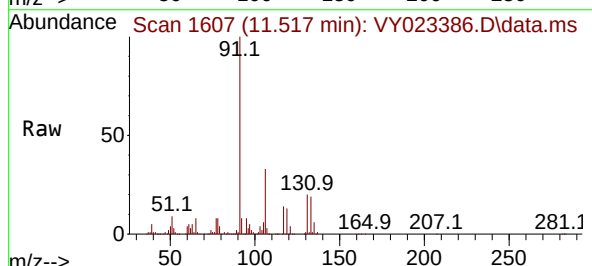
Tgt Ion:131 Resp: 116412

Ion Ratio Lower Upper

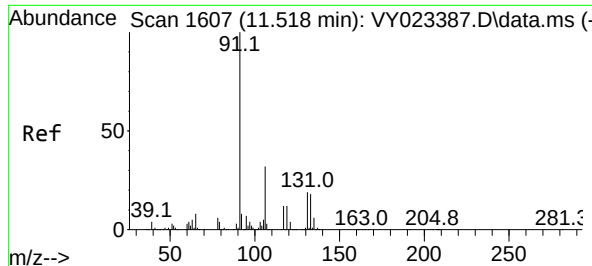
131 100

133 95.9 48.4 145.2

119 64.4 32.4 97.2







#67

Ethyl Benzene

Concen: 19.768 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 523600

Ion Ratio Lower Upper

91 100

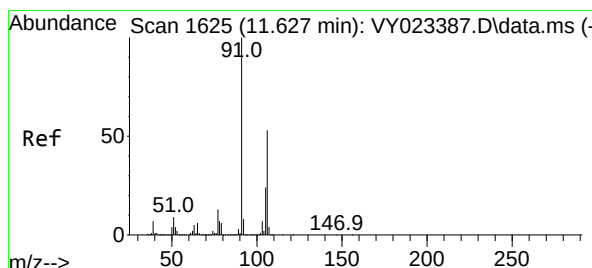
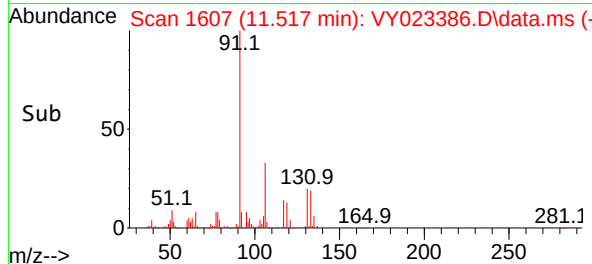
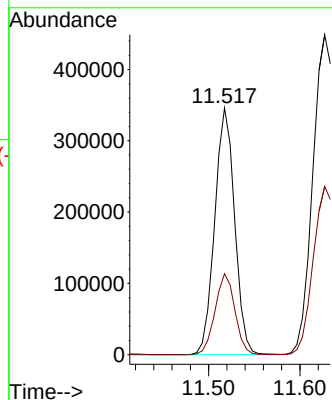
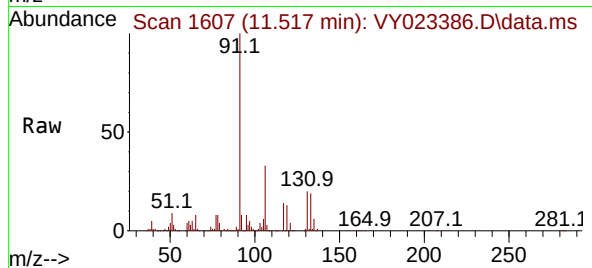
106 32.8 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#68

m/p-Xylenes

Concen: 40.211 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023386.D

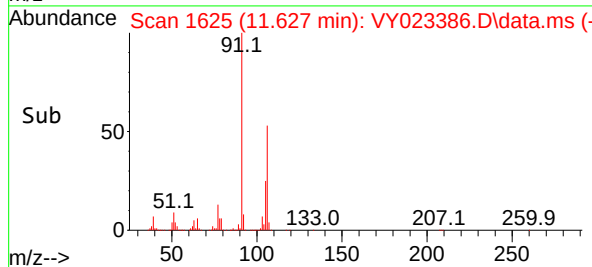
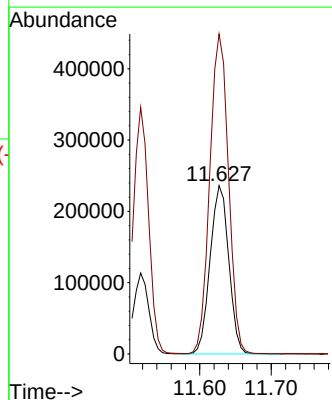
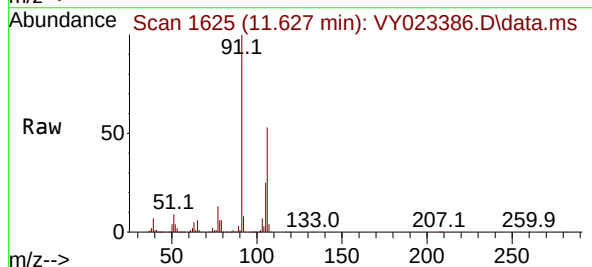
Acq: 07 Oct 2025 11:24

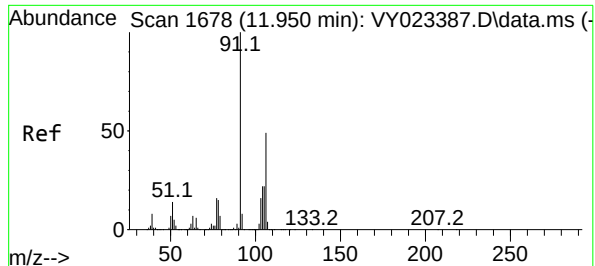
Tgt Ion:106 Resp: 426913

Ion Ratio Lower Upper

106 100

91 190.8 152.6 229.0





#69

o-Xylene

Concen: 19.843 ug/l

RT: 11.956 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion:106 Resp: 19502

Ion Ratio Lower Upper

106 100

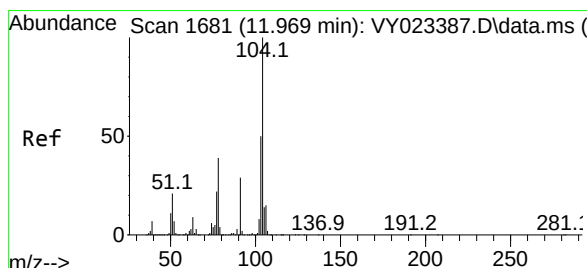
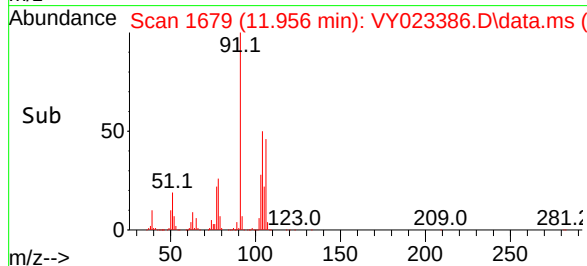
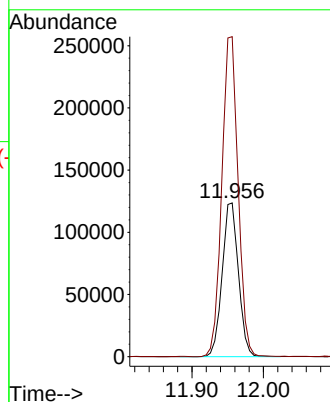
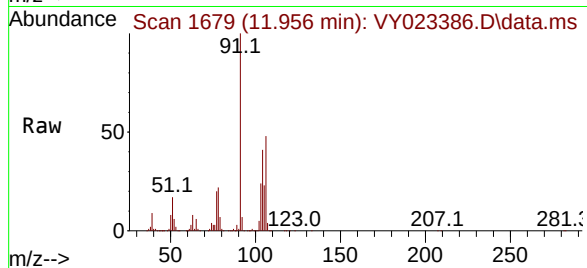
91 208.5 101.4 304.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#70

Styrene

Concen: 20.208 ug/l

RT: 11.968 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

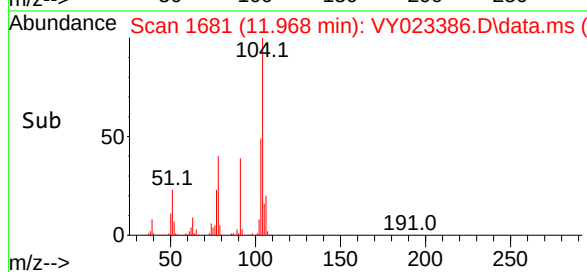
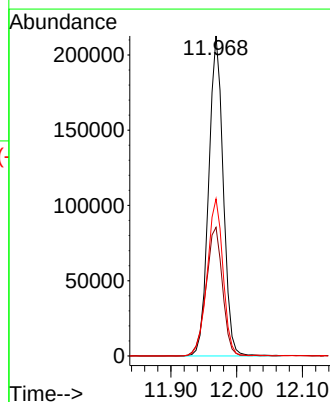
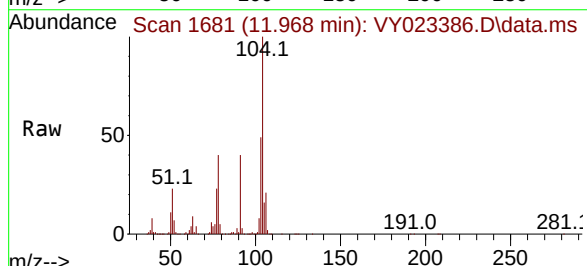
Tgt Ion:104 Resp: 327934

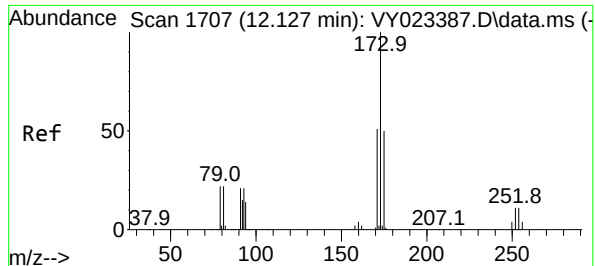
Ion Ratio Lower Upper

104 100

78 45.4 36.1 54.1

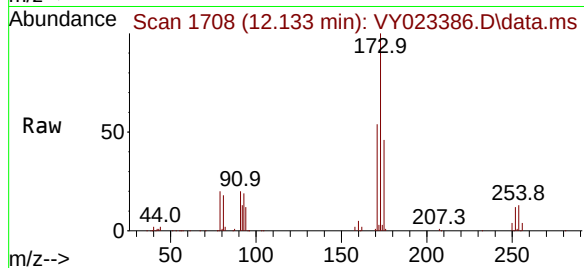
103 53.3 43.2 64.8





#71  
Bromoform  
Concen: 20.814 ug/l  
RT: 12.133 min Scan# 1708  
Delta R.T. 0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

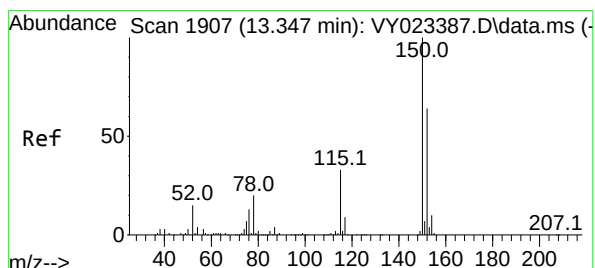
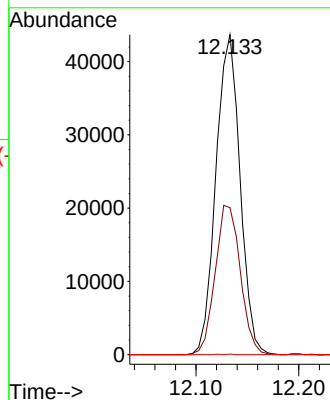
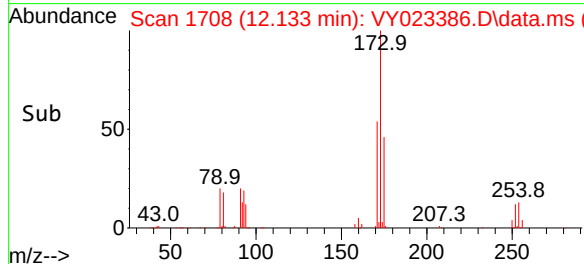
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020



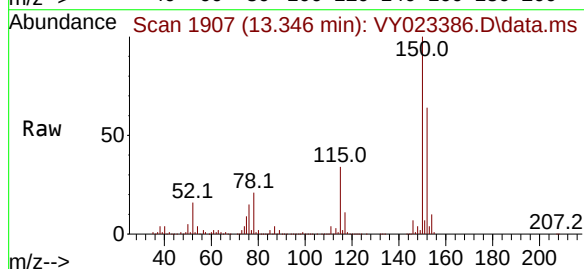
Tgt Ion:173 Resp: 71119  
Ion Ratio Lower Upper  
173 100  
175 48.7 24.8 74.3  
254 0.0 0.1 0.1

Manual Integrations  
APPROVED

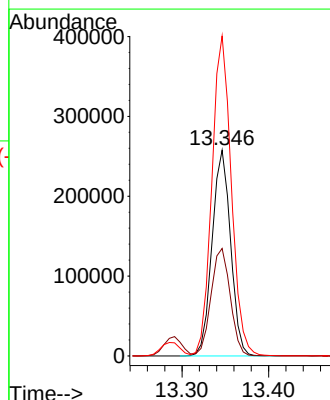
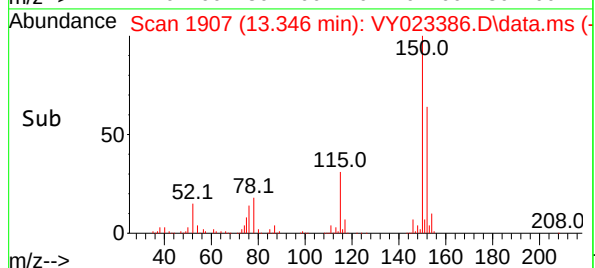
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

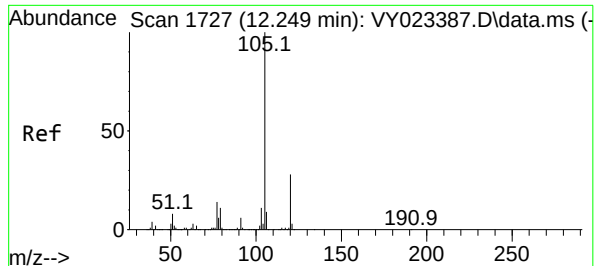


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24



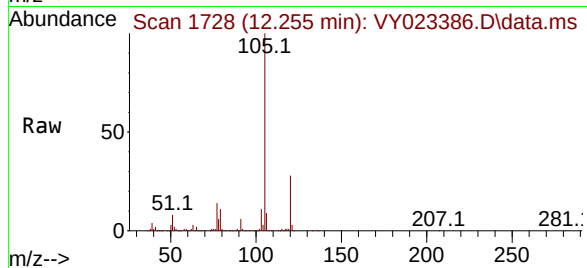
Tgt Ion:152 Resp: 382604  
Ion Ratio Lower Upper  
152 100  
115 54.6 27.1 81.2  
150 163.2 0.0 347.4





#73  
Isopropylbenzene  
Concen: 20.136 ug/l  
RT: 12.255 min Scan# 1727  
Delta R.T. 0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

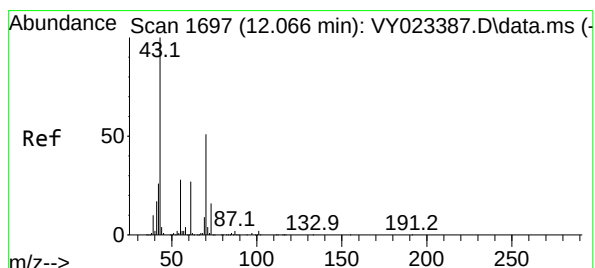
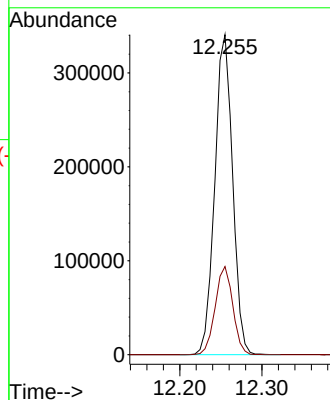
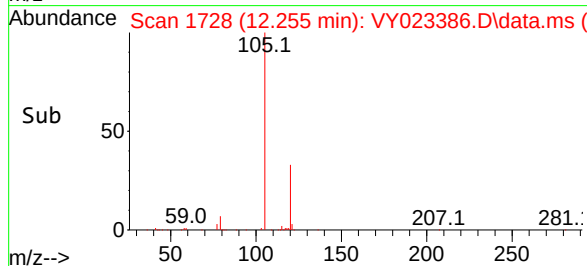
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020



Tgt Ion:105 Resp: 51318  
Ion Ratio Lower Upper  
105 100  
120 27.2 13.9 41.7

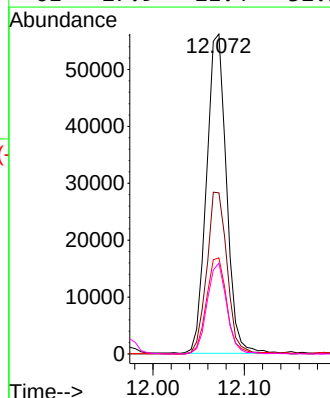
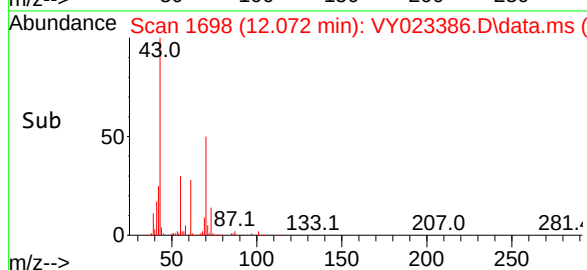
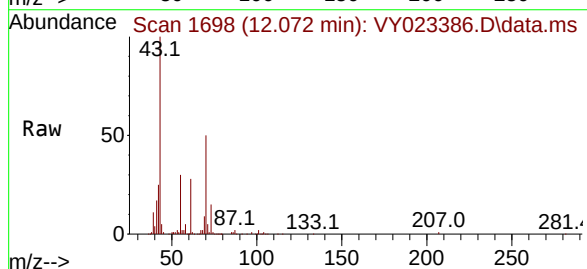
Manual Integrations  
APPROVED

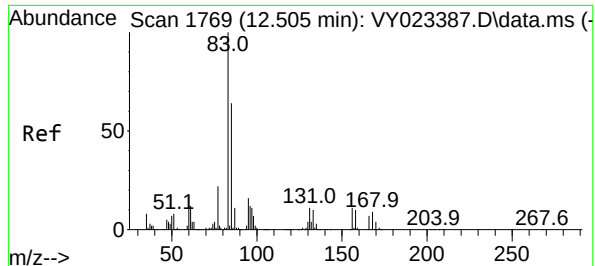
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#74  
N-ethyl acetate  
Concen: 17.860 ug/l  
RT: 12.072 min Scan# 1698  
Delta R.T. 0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

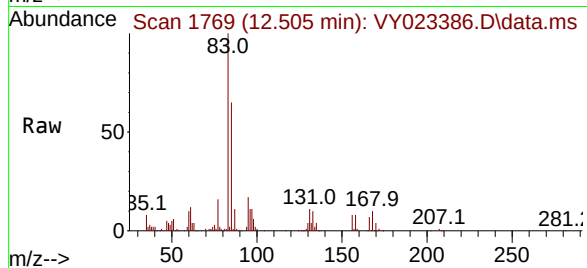
Tgt Ion: 43 Resp: 85063  
Ion Ratio Lower Upper  
43 100  
70 51.8 41.1 61.7  
55 30.6 23.0 34.6  
61 27.9 21.4 32.2





#75  
1,1,2,2-Tetrachloroethane  
Concen: 18.069 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

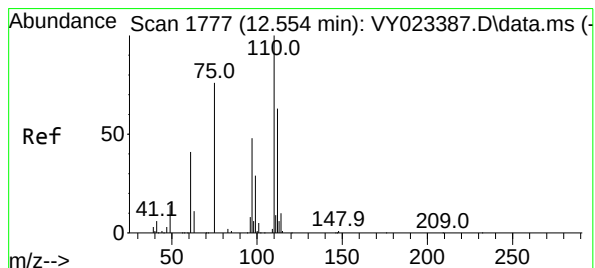
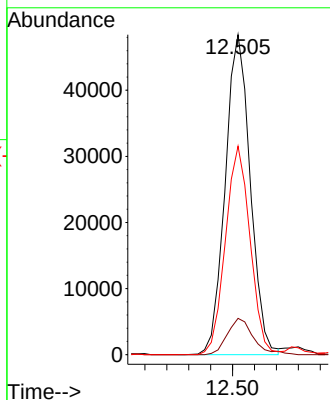
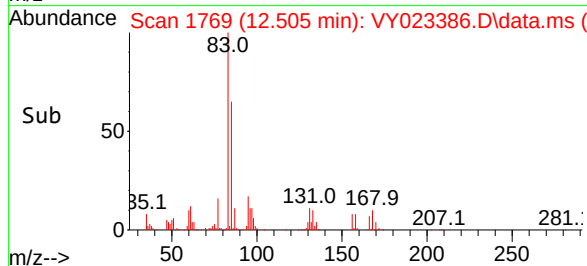
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020



Tgt Ion: 83 Resp: 7682  
Ion Ratio Lower Upper  
83 100  
131 11.8 5.9 17.6  
85 64.1 31.8 95.3

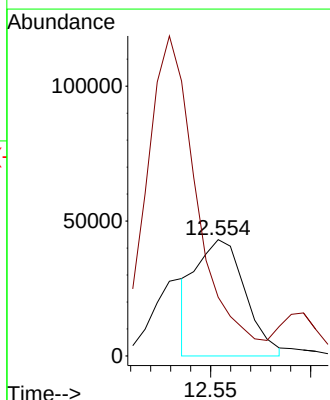
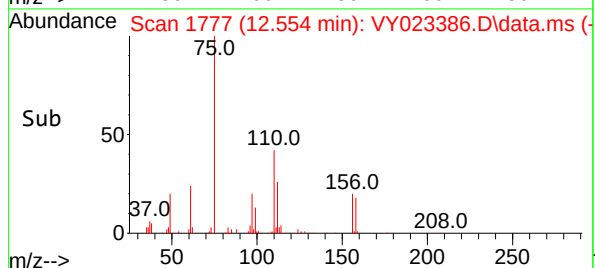
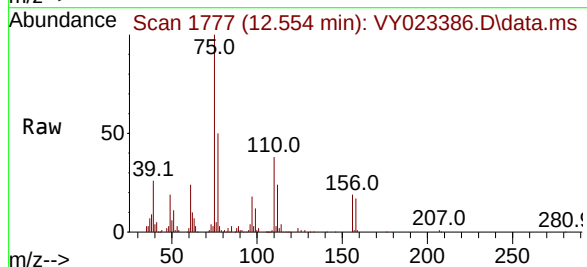
Manual Integrations  
APPROVED

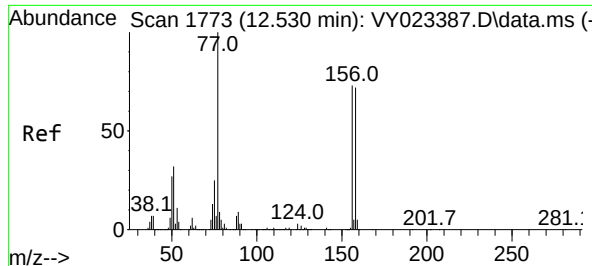
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#76  
1,2,3-Trichloropropane  
Concen: 19.634 ug/l m  
RT: 12.554 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 74100  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





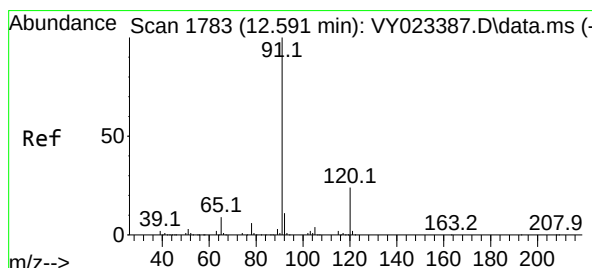
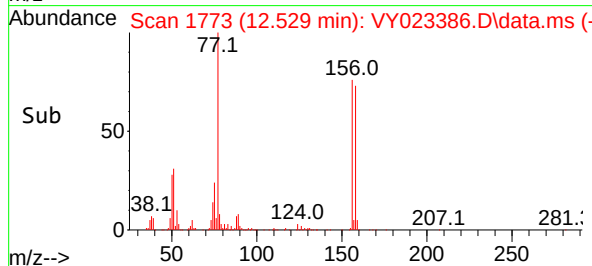
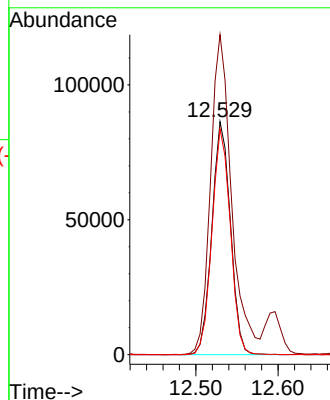
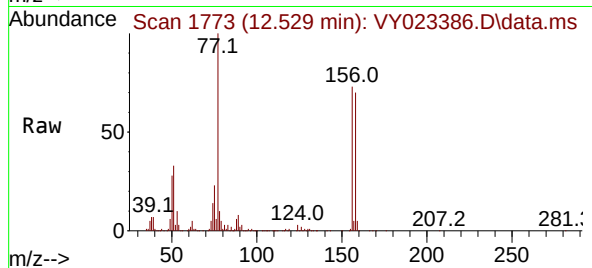
#77  
Bromobenzene  
Concen: 20.700 ug/l  
RT: 12.529 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

Tgt Ion:156 Resp: 135402  
Ion Ratio Lower Upper  
156 100  
77 156.2 76.8 230.5  
158 96.1 49.0 147.2

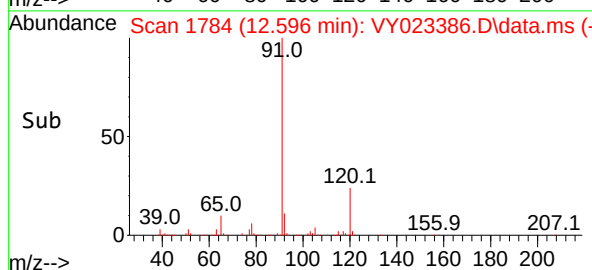
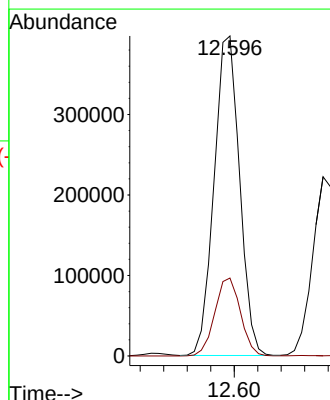
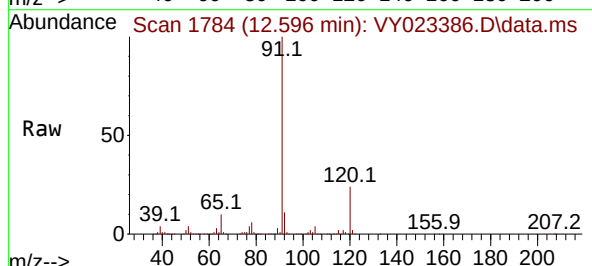
Manual Integrations  
APPROVED

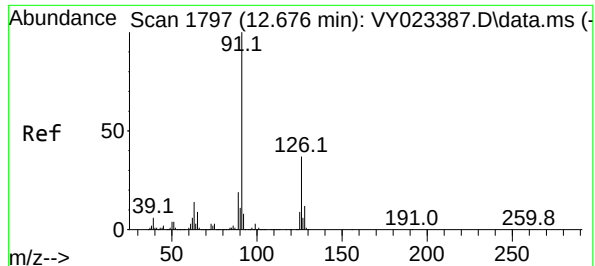
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#78  
n-propylbenzene  
Concen: 19.945 ug/l  
RT: 12.596 min Scan# 1784  
Delta R.T. 0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 597829  
Ion Ratio Lower Upper  
91 100  
120 24.6 12.3 36.8





#79

2-Chlorotoluene

Concen: 20.179 ug/l

RT: 12.676 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 34920

Ion Ratio Lower Upper

91 100

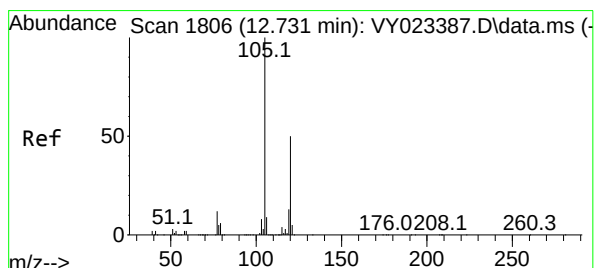
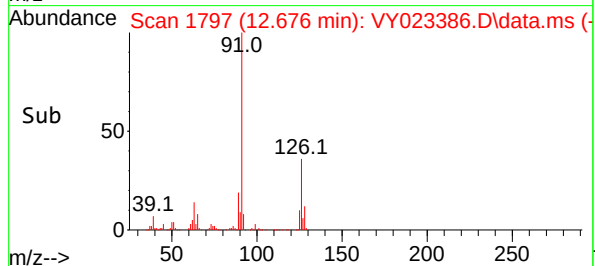
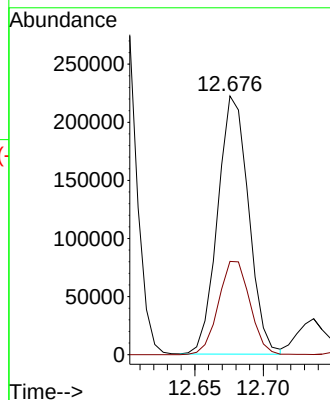
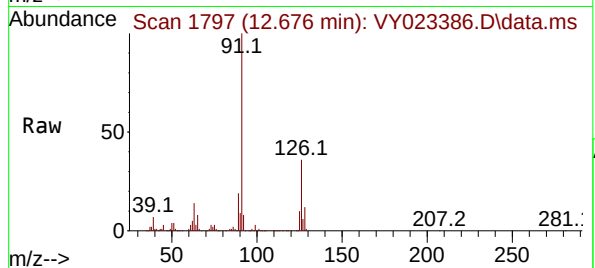
126 36.8 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.208 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023386.D

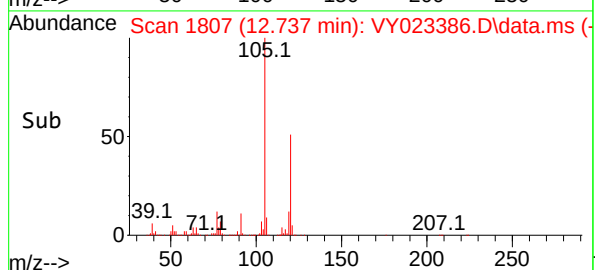
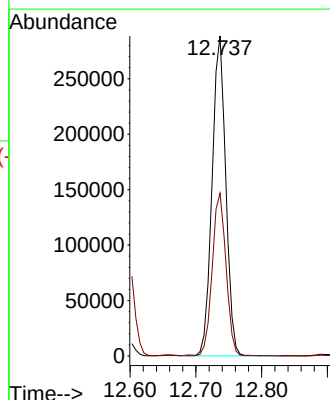
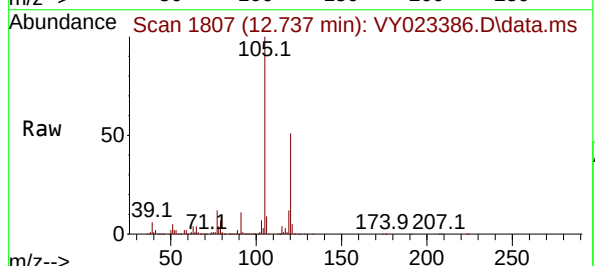
Acq: 07 Oct 2025 11:24

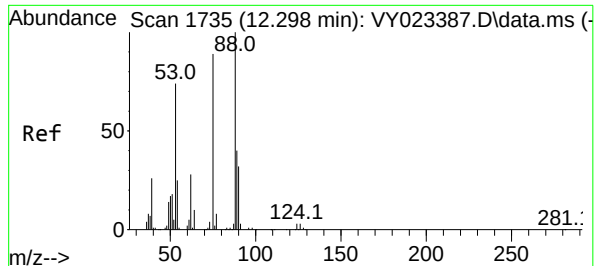
Tgt Ion:105 Resp: 418684

Ion Ratio Lower Upper

105 100

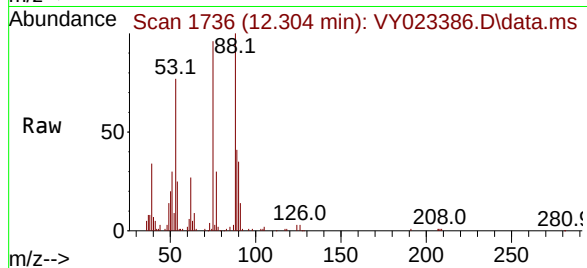
120 51.1 25.4 76.4





#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.234 ug/l  
RT: 12.304 min Scan# 1735  
Delta R.T. 0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

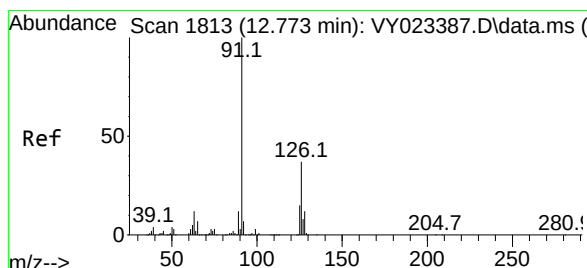
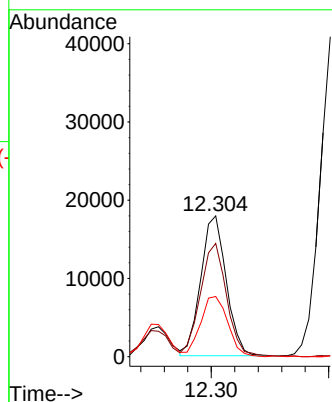
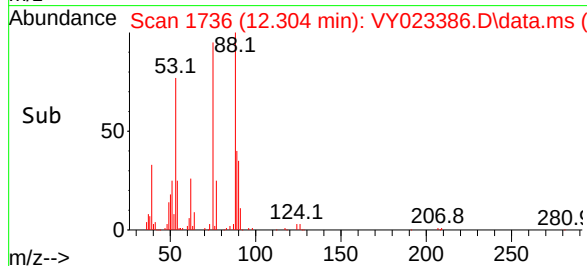
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020



Tgt Ion: 75 Resp: 2692  
Ion Ratio Lower Upper  
75 100  
53 84.4 68.6 102.8  
89 46.4 39.0 58.4

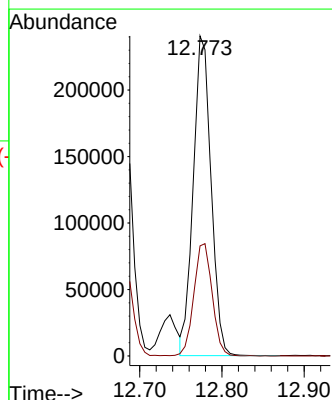
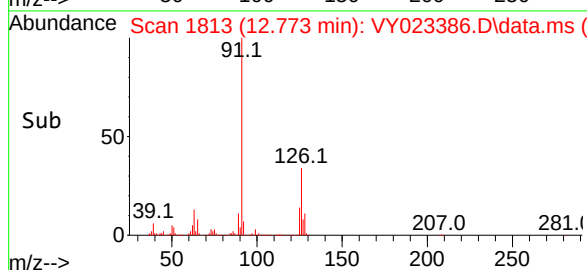
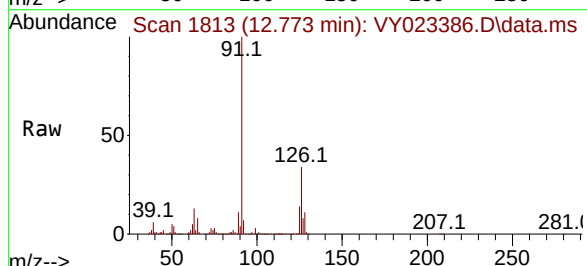
Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

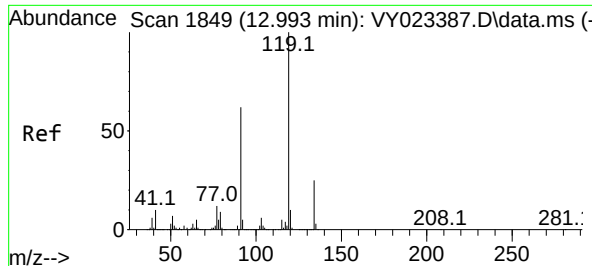


#82  
4-Chlorotoluene  
Concen: 20.000 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 361458  
Ion Ratio Lower Upper  
91 100  
126 36.1 18.4 55.4

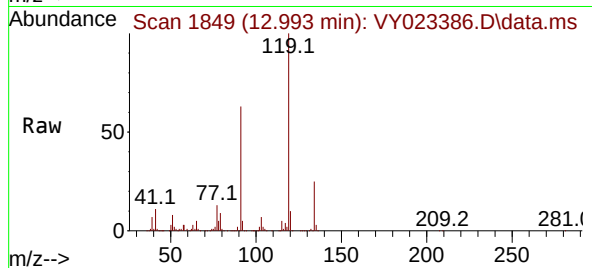






#83  
tert-Butylbenzene  
Concen: 19.983 ug/l  
RT: 12.993 min Scan# 1849  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

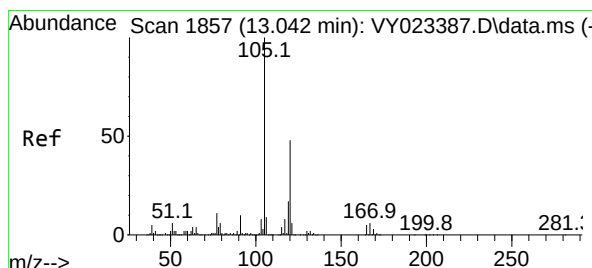
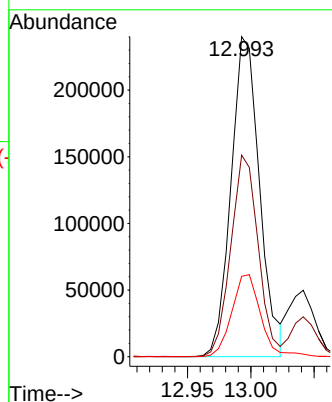
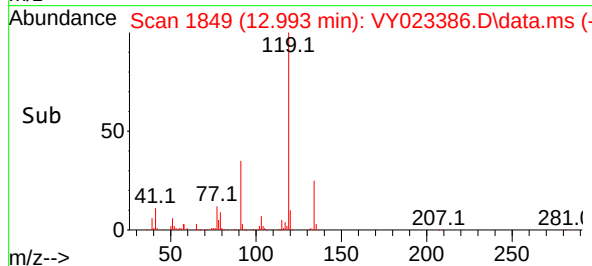
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020



Tgt Ion:119 Resp: 37727  
Ion Ratio Lower Upper  
119 100  
91 60.4 29.9 89.8  
134 26.1 12.9 38.7

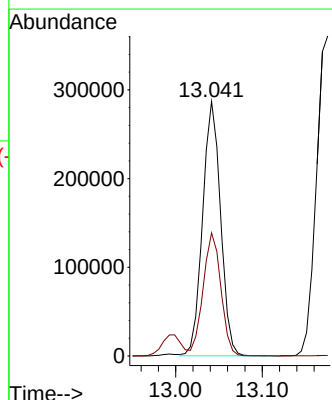
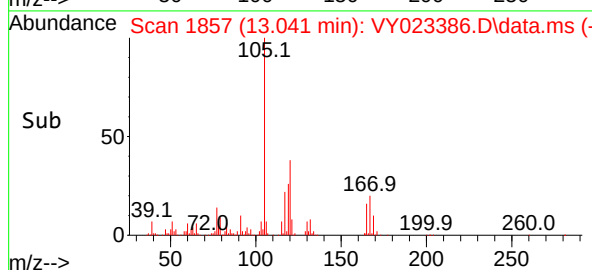
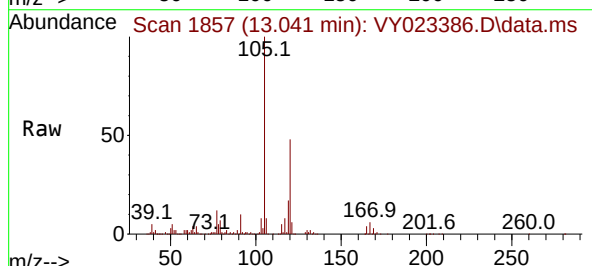
Manual Integrations  
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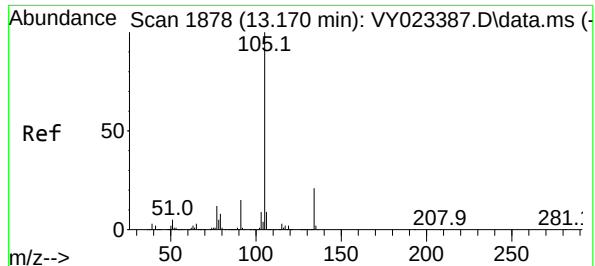
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#84  
1,2,4-Trimethylbenzene  
Concen: 20.162 ug/l  
RT: 13.041 min Scan# 1857  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Tgt Ion:105 Resp: 413292  
Ion Ratio Lower Upper  
105 100  
120 47.6 23.8 71.2





#85

sec-Butylbenzene

Concen: 19.990 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion:105 Resp: 54658

Ion Ratio Lower Upper

105 100

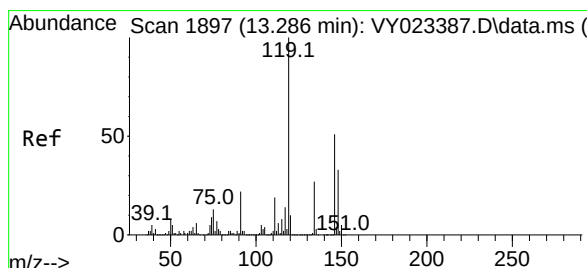
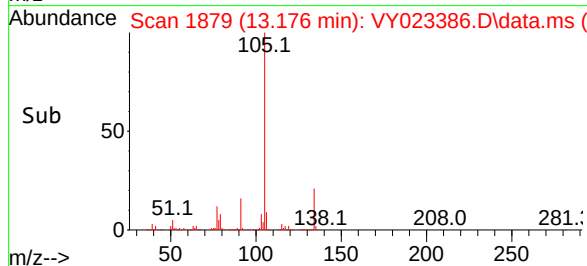
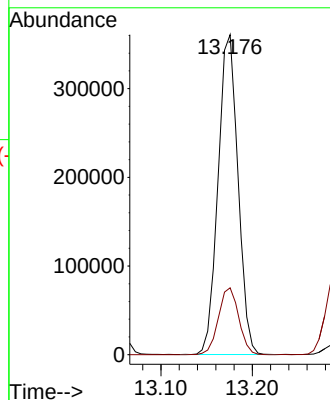
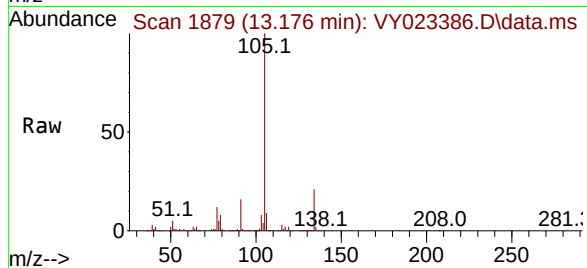
134 21.3 10.7 32.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#86

p-Isopropyltoluene

Concen: 20.081 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

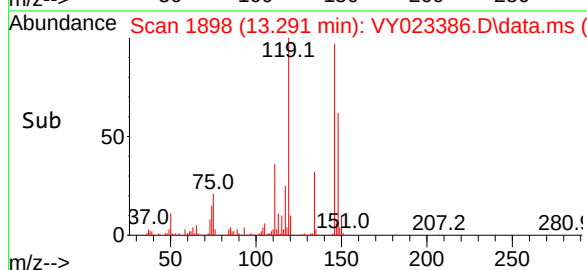
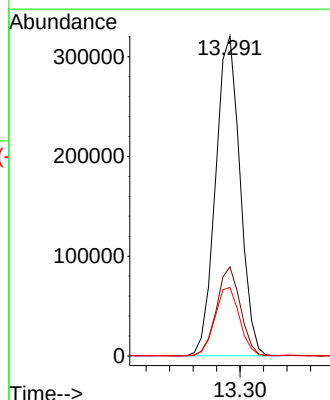
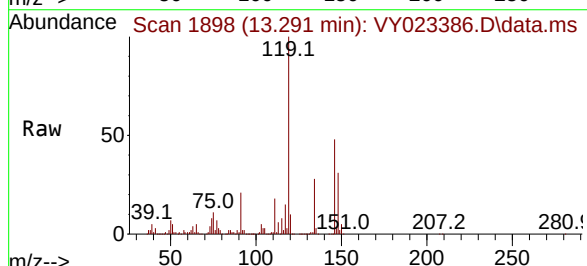
Tgt Ion:119 Resp: 464005

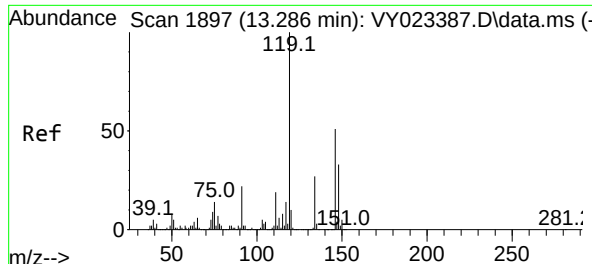
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.7

91 21.6 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 20.347 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 26290

Ion Ratio Lower Upper

146 100

111 37.2 18.7 56.1

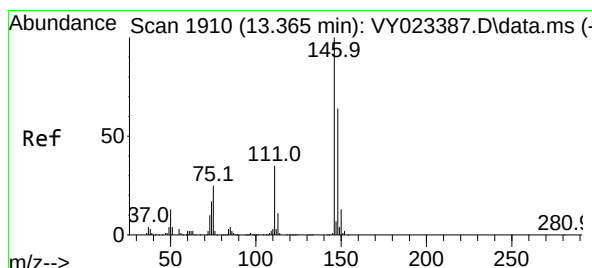
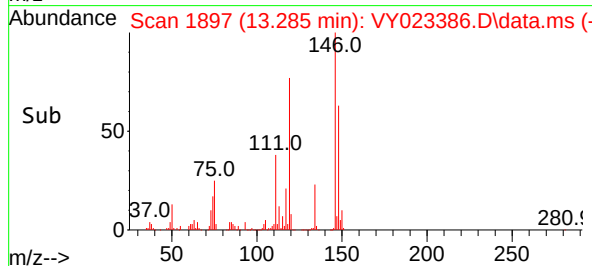
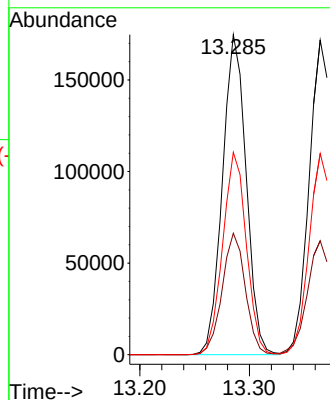
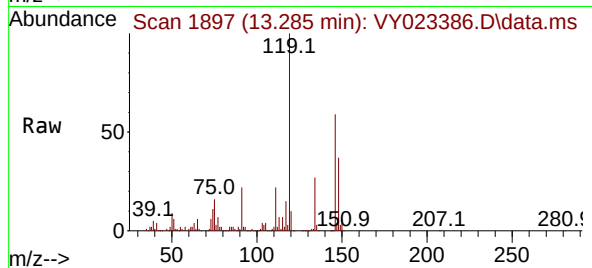
148 63.1 31.9 95.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#88

1,4-Dichlorobenzene

Concen: 20.230 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

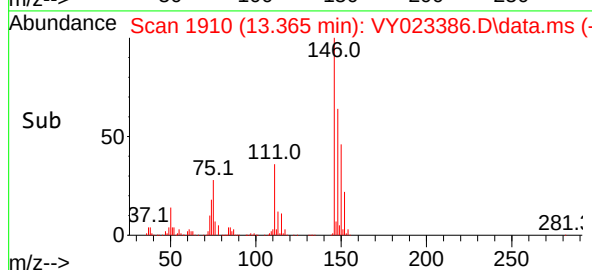
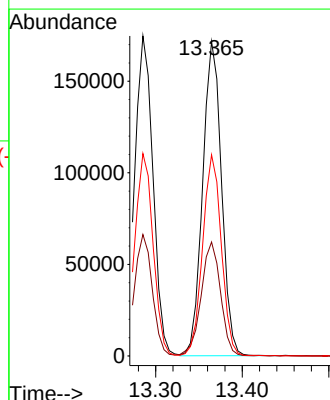
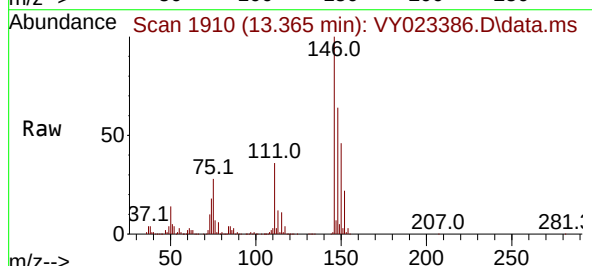
Tgt Ion:146 Resp: 259217

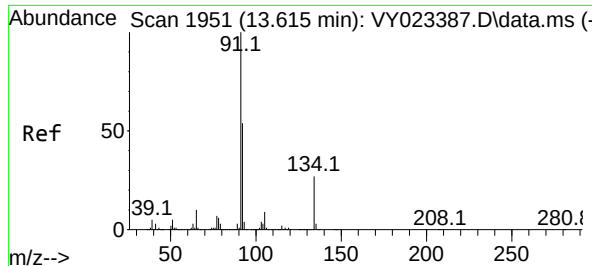
Ion Ratio Lower Upper

146 100

111 37.3 18.0 54.0

148 63.6 31.9 95.7





#89

n-Butylbenzene

Concen: 19.697 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

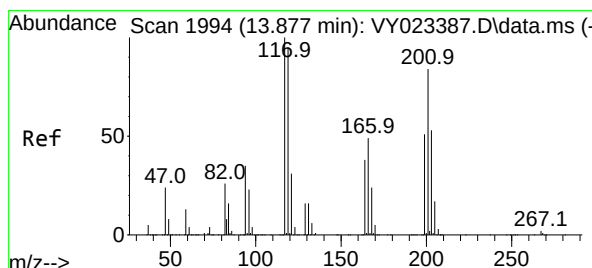
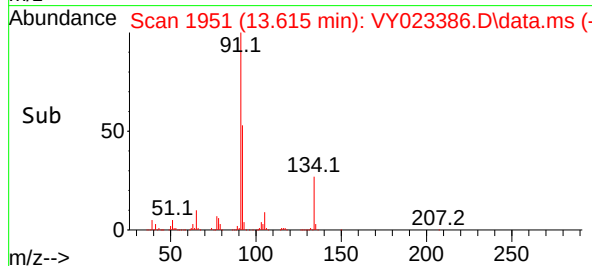
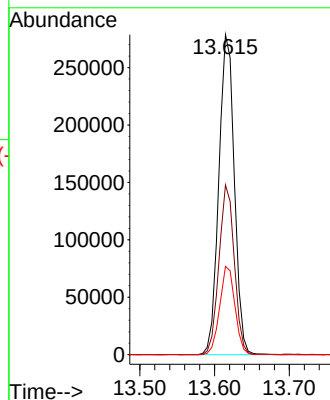
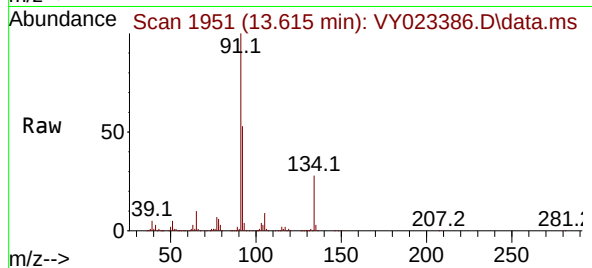
VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 40189 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 52.6  | 27.0  | 80.8  |
| 134      | 27.3  | 14.1  | 42.2  |

## Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#90

Hexachloroethane

Concen: 19.730 ug/l

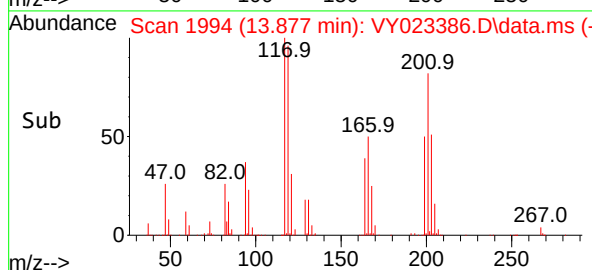
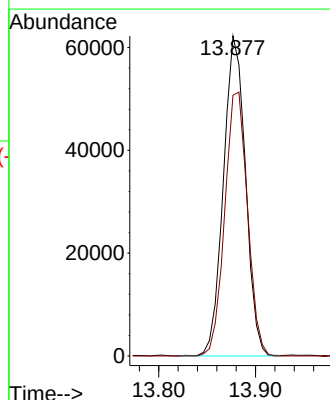
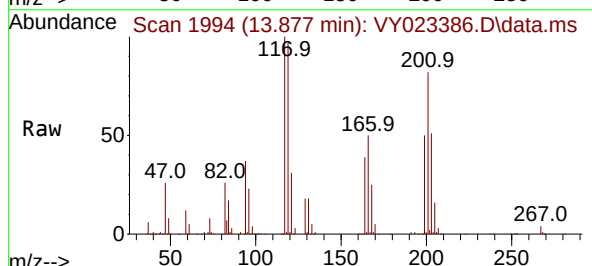
RT: 13.877 min Scan# 1994

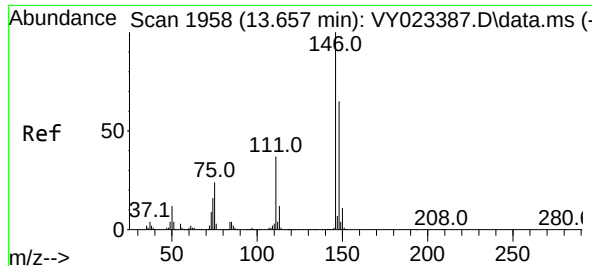
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

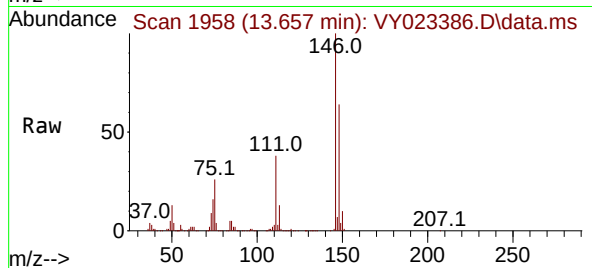
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 98983 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 84.8  | 43.8  | 131.4 |





#91  
1,2-Dichlorobenzene  
Concen: 20.507 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

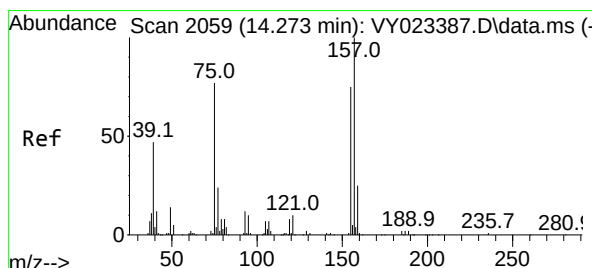
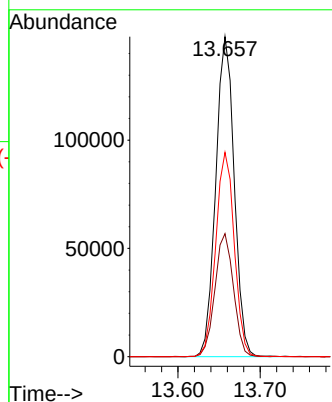
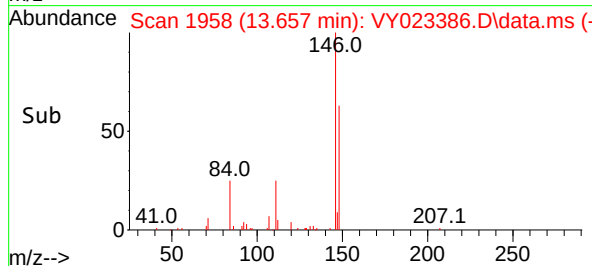
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020



Tgt Ion:146 Resp: 231199  
Ion Ratio Lower Upper  
146 100  
111 38.6 19.0 57.0  
148 64.1 32.1 96.3

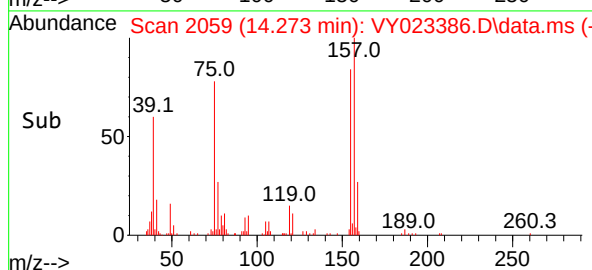
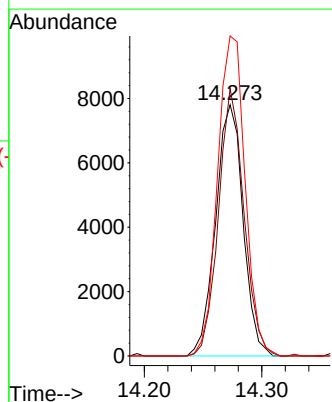
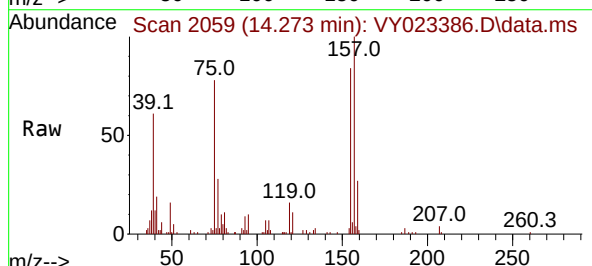
Manual Integrations  
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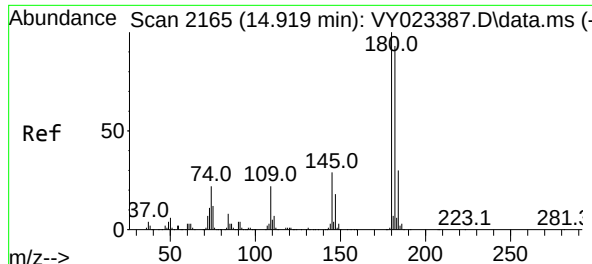
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.802 ug/l  
RT: 14.273 min Scan# 2059  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 12668  
Ion Ratio Lower Upper  
75 100  
155 99.1 50.0 150.0  
157 127.9 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 20.770 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

Tgt Ion:180 Resp: 13796

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.6

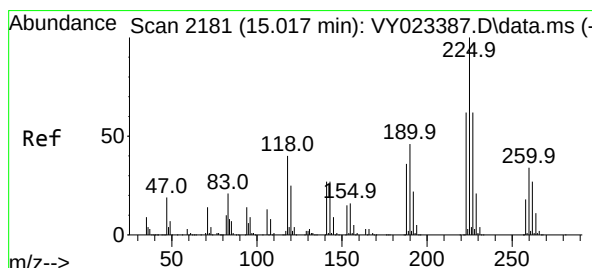
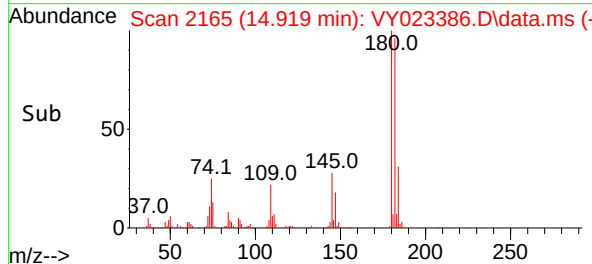
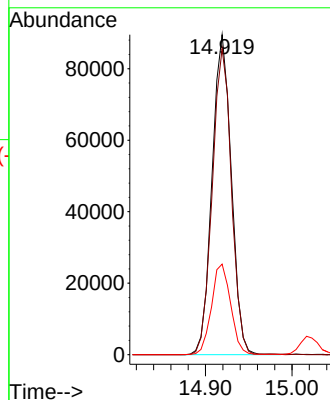
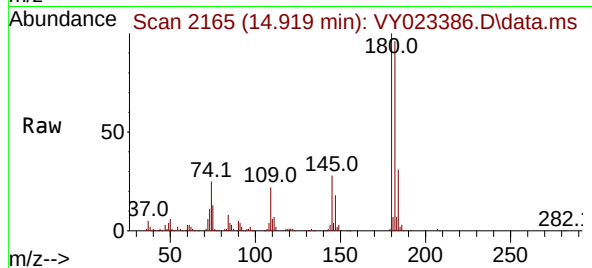
145 28.3 14.7 44.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#94

Hexachlorobutadiene

Concen: 21.159 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

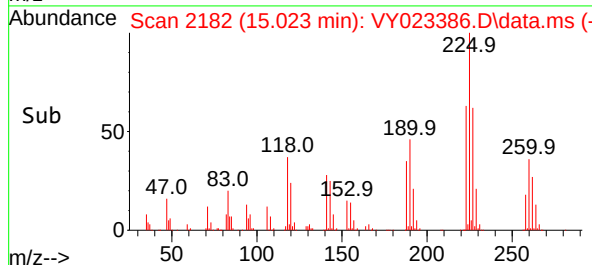
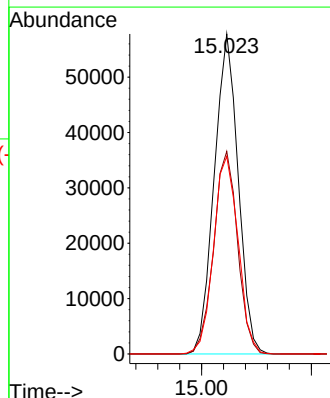
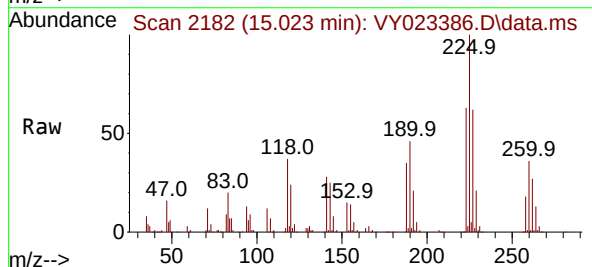
Tgt Ion:225 Resp: 87575

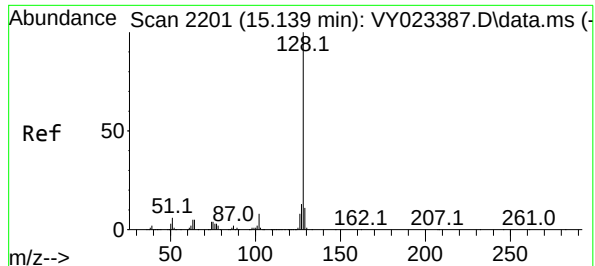
Ion Ratio Lower Upper

225 100

223 63.1 30.8 92.3

227 63.4 31.9 95.7





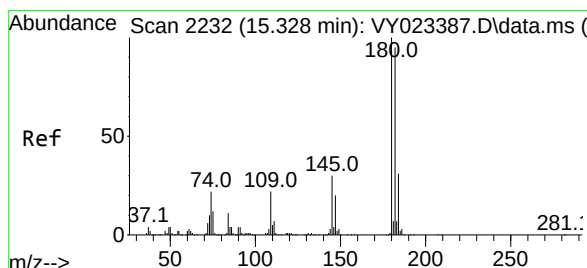
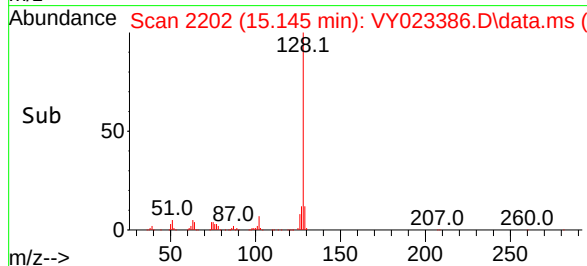
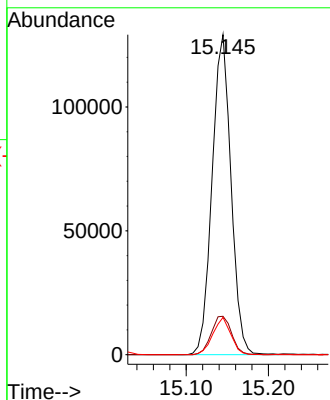
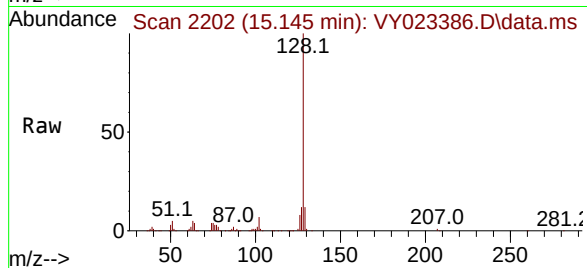
#95  
Naphthalene  
Concen: 19.467 ug/l  
RT: 15.145 min Scan# 2201  
Delta R.T. 0.006 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

Tgt Ion:128 Resp: 20601  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.4 15.6  
129 11.1 8.9 13.3

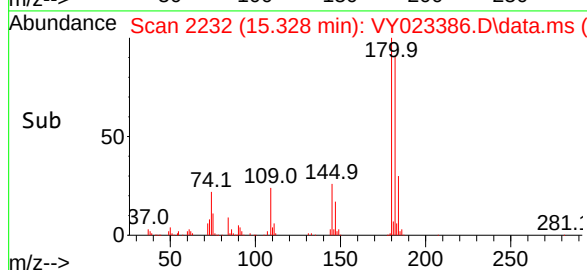
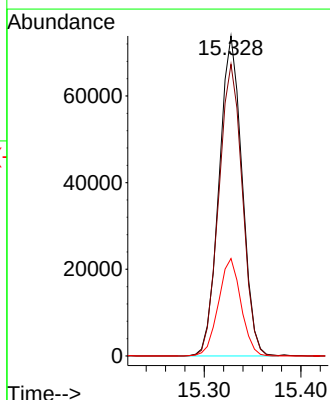
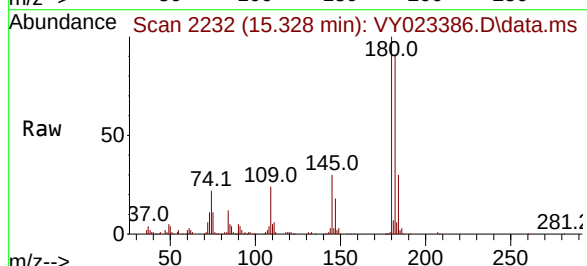
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#96  
1,2,3-Trichlorobenzene  
Concen: 21.113 ug/l  
RT: 15.328 min Scan# 2232  
Delta R.T. -0.000 min  
Lab File: VY023386.D  
Acq: 07 Oct 2025 11:24

Tgt Ion:180 Resp: 121656  
Ion Ratio Lower Upper  
180 100  
182 93.3 47.9 143.8  
145 29.8 15.3 45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023387.D  
 Acq On : 07 Oct 2025 11:47  
 Operator : SY/MD  
 Sample : VSTDICCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:43:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.707          | 168  | 590340     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 858767     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 749869     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.347         | 152  | 392169     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 231295     | 45.240   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 90.480%  |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 256331     | 49.185   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 98.360%  |        |          |
| 50) Toluene-d8               | 10.103         | 98   | 969649     | 49.334   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 98.660%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.402         | 95   | 313426     | 50.546   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 101.100% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 189467     | 40.745   | ug/l   | 100      |
| 3) Chloromethane             | 2.068          | 50   | 265142     | 40.113   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.202          | 62   | 352993     | 42.293   | ug/l   | 100      |
| 5) Bromomethane              | 2.592          | 94   | 277005     | 40.458   | ug/l   | 100      |
| 6) Chloroethane              | 2.733          | 64   | 244551     | 43.157   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.056          | 101  | 496981     | 46.354   | ug/l   | 100      |
| 8) Diethyl Ether             | 3.452          | 74   | 126634     | 45.158   | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 3.812          | 101  | 258100     | 45.039   | ug/l   | 100      |
| 10) Methyl Iodide            | 4.001          | 142  | 317731     | 47.979   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 4.860          | 59   | 73642      | 244.793  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 3.787          | 96   | 252190     | 45.738   | ug/l   | 100      |
| 13) Acrolein                 | 3.647          | 56   | 123642     | 242.575  | ug/l   | 100      |
| 14) Allyl chloride           | 4.379          | 41   | 310569     | 44.989   | ug/l   | 100      |
| 15) Acrylonitrile            | 5.055          | 53   | 240668     | 219.075  | ug/l   | 100      |
| 16) Acetone                  | 3.866          | 43   | 247122     | 214.955  | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.104          | 76   | 722982     | 42.028   | ug/l   | 100      |
| 18) Methyl Acetate           | 4.385          | 43   | 144816     | 49.563   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 601934     | 46.626   | ug/l   | 100      |
| 20) Methylene Chloride       | 4.616          | 84   | 270612     | 43.409   | ug/l   | 100      |
| 21) trans-1,2-Dichloroethene | 5.110          | 96   | 277516     | 45.256   | ug/l   | 100      |
| 22) Diisopropyl ether        | 6.019          | 45   | 686481     | 44.844   | ug/l   | 100      |
| 23) Vinyl Acetate            | 5.958          | 43   | 1843784    | 219.119  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 448267     | 44.423   | ug/l   | 100      |
| 25) 2-Butanone               | 6.890          | 43   | 310237     | 218.327  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 6.884          | 77   | 416391     | 46.440   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 320028     | 46.010   | ug/l   | 100      |
| 28) Bromochloromethane       | 7.244          | 49   | 157414     | 40.211   | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.262          | 42   | 187787     | 222.653  | ug/l   | 100      |
| 30) Chloroform               | 7.421          | 83   | 493098     | 45.316   | ug/l   | 100      |
| 31) Cyclohexane              | 7.701          | 56   | 379644     | 42.602   | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 452713     | 46.347   | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 341353     | 46.424   | ug/l   | 100      |
| 37) Ethyl Acetate            | 6.982          | 43   | 129053     | 44.394   | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 413187     | 48.374   | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.109          | 83   | 452959     | 48.113   | ug/l   | 100      |
| 40) Benzene                  | 8.079          | 78   | 1080883    | 47.154   | ug/l   | 100      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023387.D  
 Acq On : 07 Oct 2025 11:47  
 Operator : SY/MD  
 Sample : VSTDICCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:43:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 68542    | 45.399   | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 8.152  | 62   | 270387   | 46.350   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.195  | 43   | 259041   | 45.811   | ug/l   | 100      |
| 44) Trichloroethene           | 8.866  | 130  | 315104   | 48.982   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 234978   | 45.555   | ug/l   | 100      |
| 46) Dibromomethane            | 9.231  | 93   | 148914   | 47.198   | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.420  | 83   | 377084   | 47.482   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.219  | 41   | 126732   | 48.027   | ug/l   | 100      |
| 49) 1,4-Dioxane               | 9.225  | 88   | 34053    | 1042.312 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 9.993  | 43   | 682879   | 235.772  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 710404   | 48.824   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 330392   | 48.438   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 390619   | 47.910   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 198478   | 47.296   | ug/l   | 100      |
| 56) Ethyl methacrylate        | 10.438 | 69   | 239407   | 49.535   | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 321276   | 47.301   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 553816   | 261.921  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.756 | 43   | 479606   | 239.162  | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.908 | 129  | 281047   | 49.103   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 191356   | 48.468   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.646 | 164  | 392056   | 52.264   | ug/l   | 100      |
| 65) Chlorobenzene             | 11.438 | 112  | 789650   | 48.460   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131  | 279583   | 48.788   | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.518 | 91   | 1332350  | 50.099   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 1077583  | 101.092  | ug/l   | 100      |
| 69) o-Xylene                  | 11.950 | 106  | 502722   | 50.946   | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 831908   | 51.059   | ug/l   | 100      |
| 71) Bromoform                 | 12.127 | 173  | 172315   | 50.229   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.249 | 105  | 1301009  | 49.803   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.066 | 43   | 227684   | 46.640   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 195565   | 44.878   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 169814m  | 43.898   | ug/l   | 100      |
| 77) Bromobenzene              | 12.530 | 156  | 331331   | 49.419   | ug/l   | 100      |
| 78) n-propylbenzene           | 12.591 | 91   | 1522965  | 49.572   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 873335   | 49.235   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.731 | 105  | 1061112  | 49.966   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75   | 66299    | 46.212   | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 892764   | 48.192   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.993 | 119  | 988936   | 51.104   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 1061159  | 50.505   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.170 | 105  | 1405003  | 50.133   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.286 | 119  | 1210644  | 51.115   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 649899   | 49.072   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 636694   | 48.476   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.615 | 91   | 1051949  | 50.299   | ug/l   | 100      |
| 90) Hexachloroethane          | 13.877 | 117  | 245108   | 47.664   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 567114   | 49.075   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 32585    | 47.184   | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 359833   | 52.852   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.017 | 225  | 226316   | 53.346   | ug/l   | 100      |
| 95) Naphthalene               | 15.139 | 128  | 575044   | 53.012   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 310831   | 52.628   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023387.D  
Acq On : 07 Oct 2025 11:47  
Operator : SY/MD  
Sample : VSTDICCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:43:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 2025  
Response via : Initial Calibration

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

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

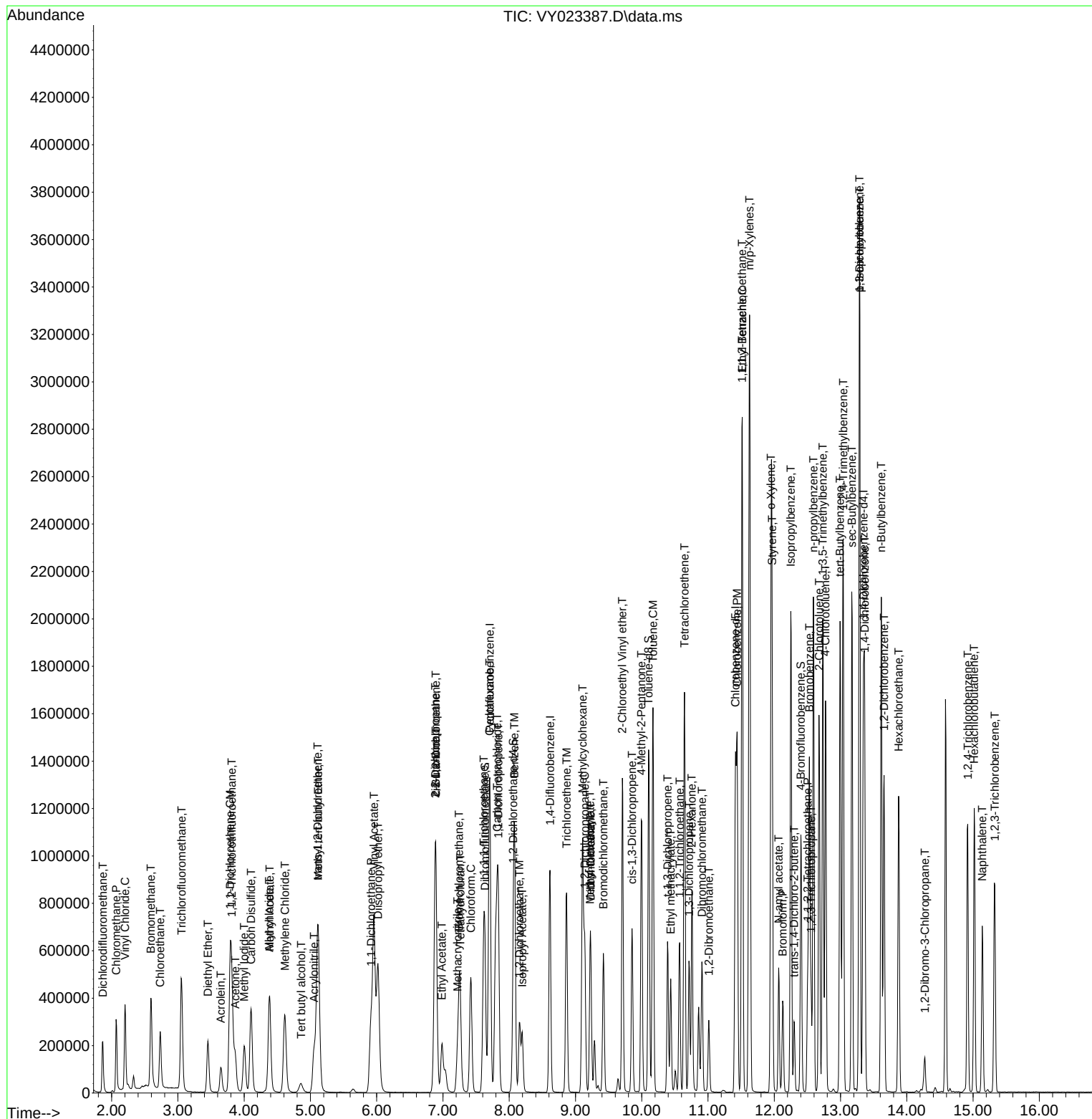
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Data File : VY023387.D  
Acq On : 07 Oct 2025 11:47  
Operator : SY/MD  
Sample : VSTDICCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

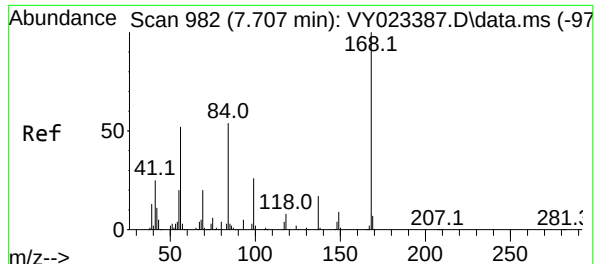
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050

Quant Time: Oct 08 04:43:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 2025  
Response via : Initial Calibration

### Manual Integrations APPROVED

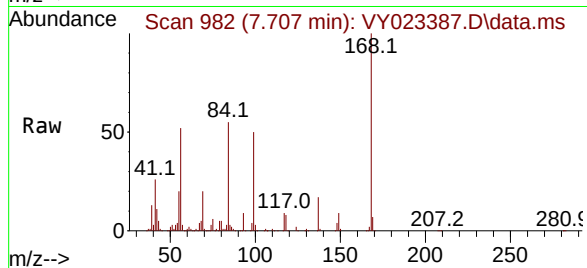
Reviewed By : Semsettin Yesilyurt 10/10/2025  
Supervised By : Mahesh Dadoda 10/10/2025





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

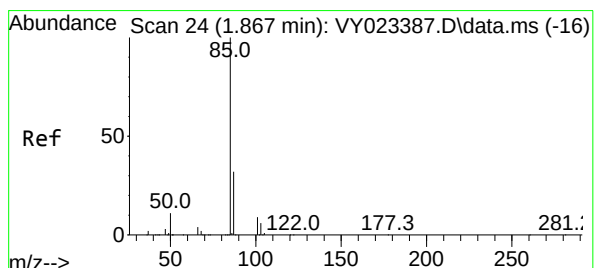
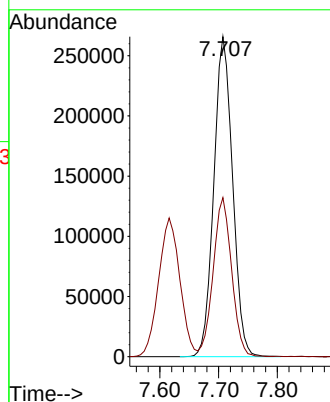
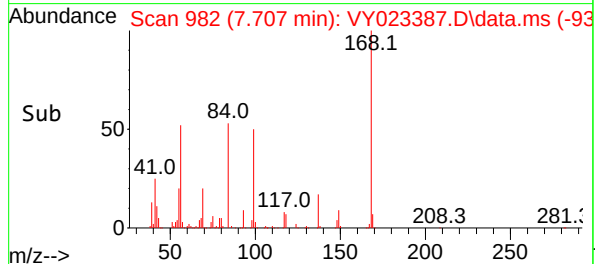
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050



Tgt Ion:168 Resp: 590340  
Ion Ratio Lower Upper  
168 100  
99 49.6 39.7 59.5

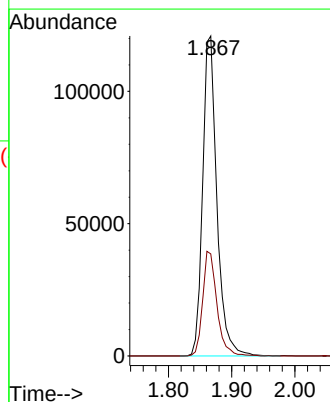
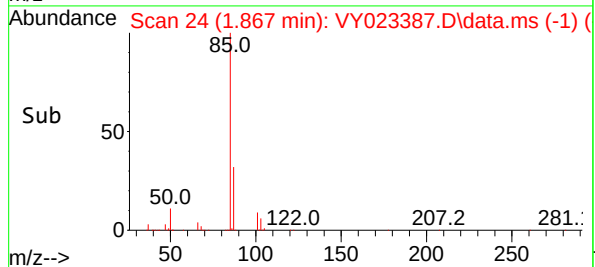
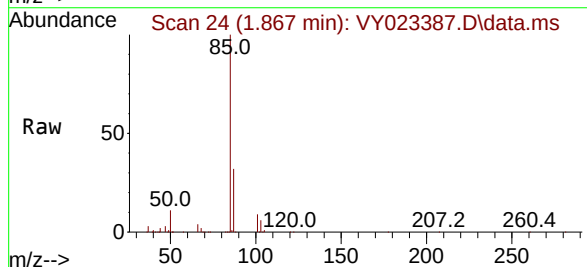
Manual Integrations  
APPROVED

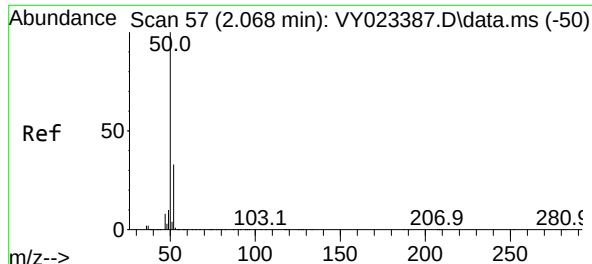
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#2  
Dichlorodifluoromethane  
Concen: 40.745 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

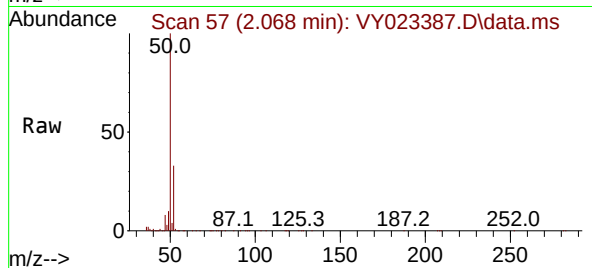
Tgt Ion: 85 Resp: 189467  
Ion Ratio Lower Upper  
85 100  
87 31.9 16.0 47.9





#3  
Chloromethane  
Concen: 40.113 ug/l  
RT: 2.068 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

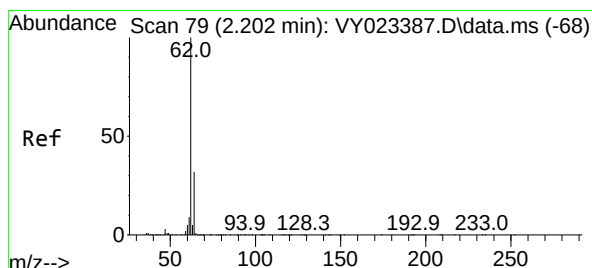
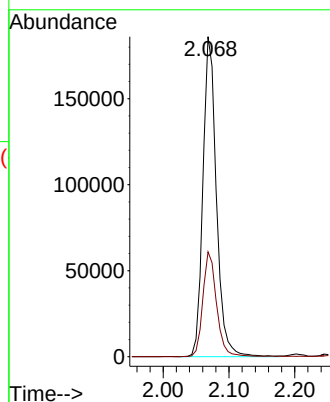
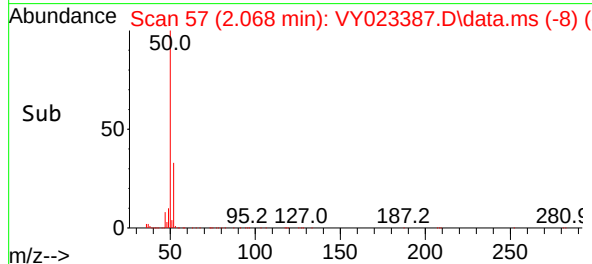
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050



Tgt Ion: 50 Resp: 26514  
Ion Ratio Lower Upper  
50 100  
52 32.7 26.2 39.2

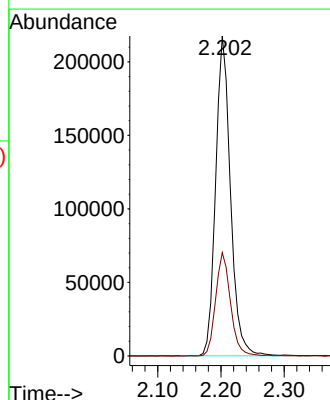
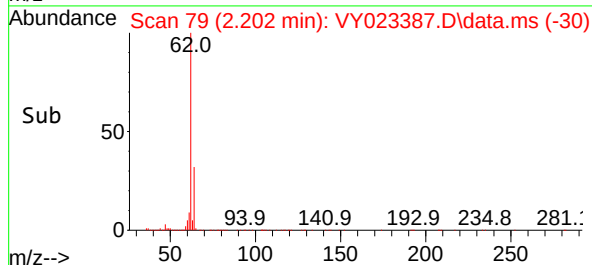
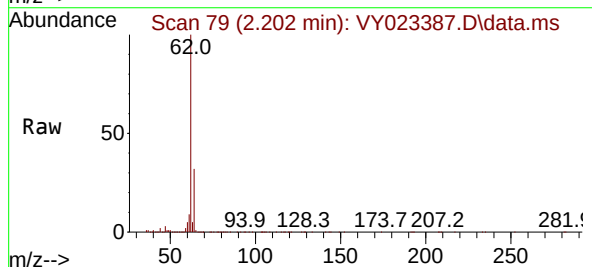
Manual Integrations  
APPROVED

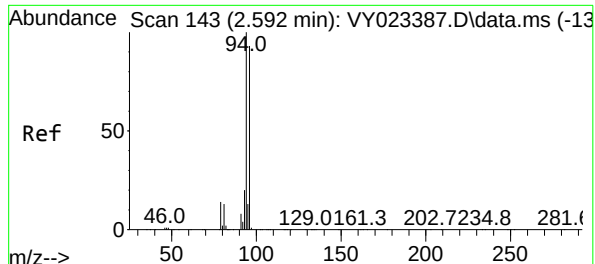
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#4  
Vinyl Chloride  
Concen: 42.293 ug/l  
RT: 2.202 min Scan# 79  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Tgt Ion: 62 Resp: 352993  
Ion Ratio Lower Upper  
62 100  
64 32.3 25.8 38.8





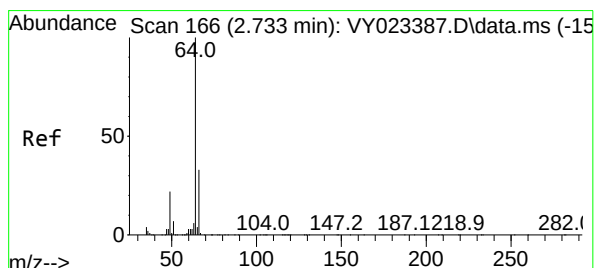
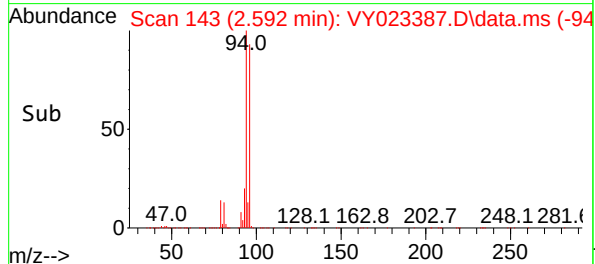
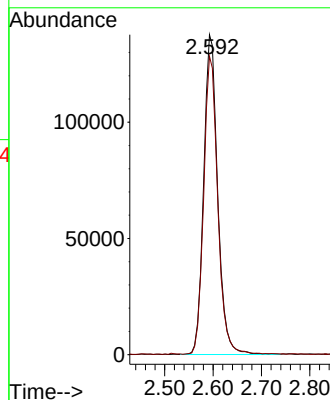
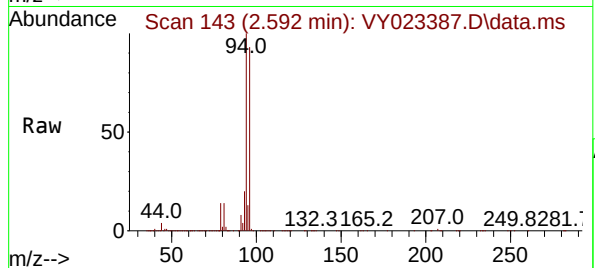
#5  
Bromomethane  
Concen: 40.458 ug/l  
RT: 2.592 min Scan# 143  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 94 Resp: 277000  
Ion Ratio Lower Upper  
94 100  
96 93.1 74.5 111.7

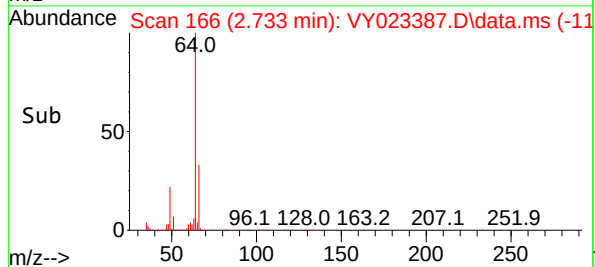
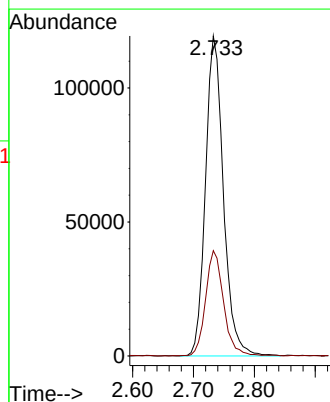
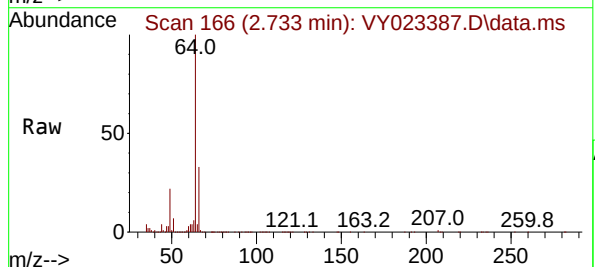
Manual Integrations  
APPROVED

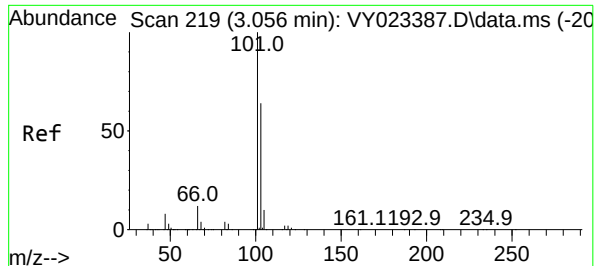
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#6  
Chloroethane  
Concen: 43.157 ug/l  
RT: 2.733 min Scan# 166  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Tgt Ion: 64 Resp: 244551  
Ion Ratio Lower Upper  
64 100  
66 32.8 26.2 39.4





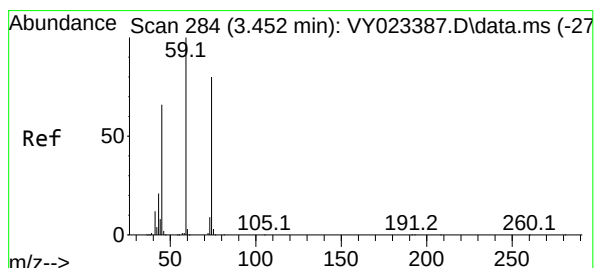
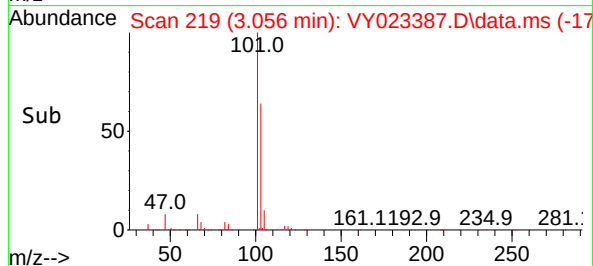
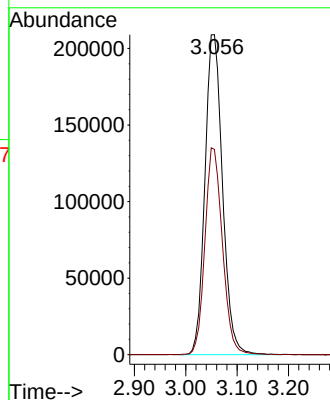
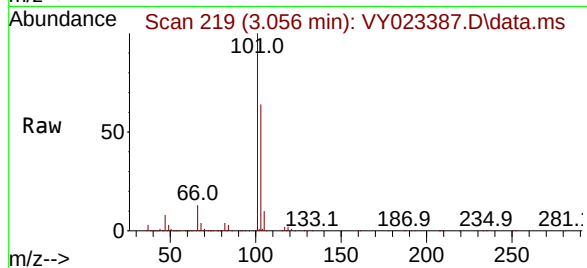
#7  
Trichlorofluoromethane  
Concen: 46.354 ug/l  
RT: 3.056 min Scan# 219  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050

Tgt Ion:101 Resp: 49698  
Ion Ratio Lower Upper  
101 100  
103 64.1 51.3 76.9

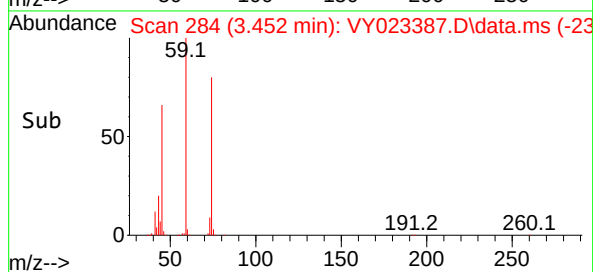
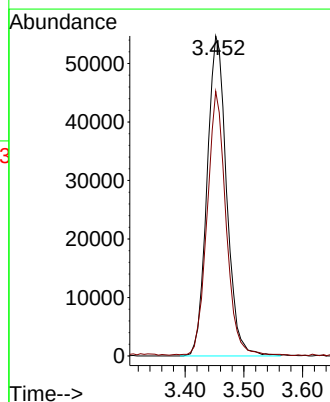
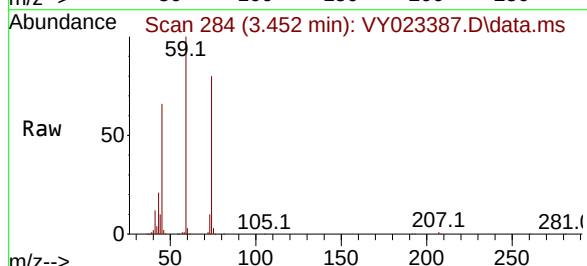
Manual Integrations  
APPROVED

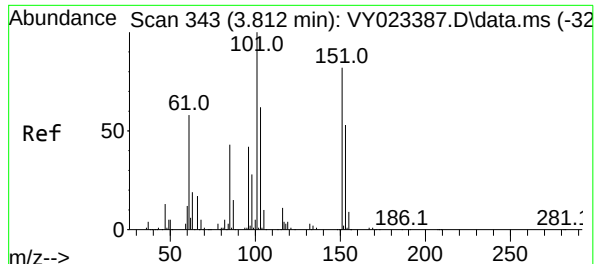
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#8  
Diethyl Ether  
Concen: 45.158 ug/l  
RT: 3.452 min Scan# 284  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Tgt Ion: 74 Resp: 126634  
Ion Ratio Lower Upper  
74 100  
45 79.8 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.039 ug/l

RT: 3.812 min Scan# 343

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 258100

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

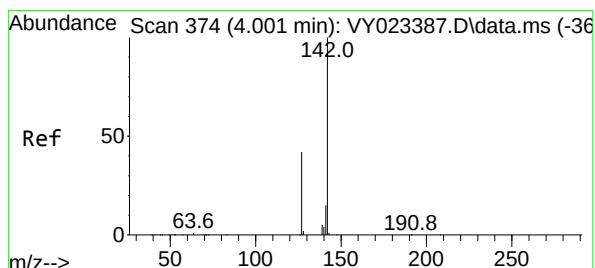
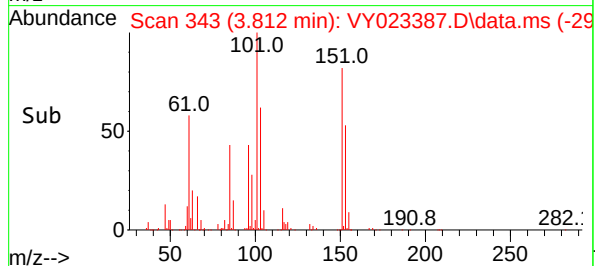
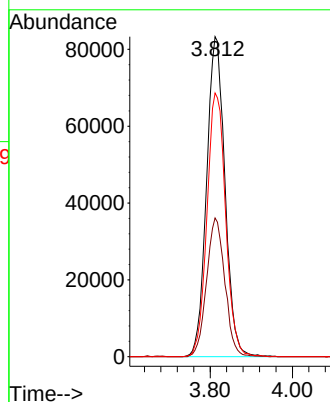
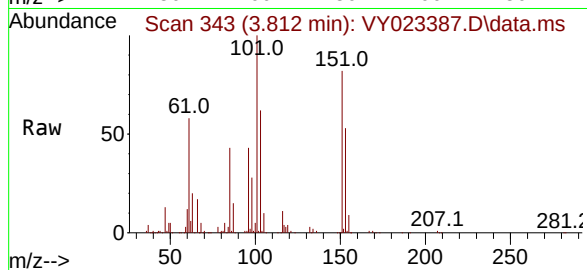
151 83.8 67.0 100.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#10

Methyl Iodide

Concen: 47.979 ug/l

RT: 4.001 min Scan# 374

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

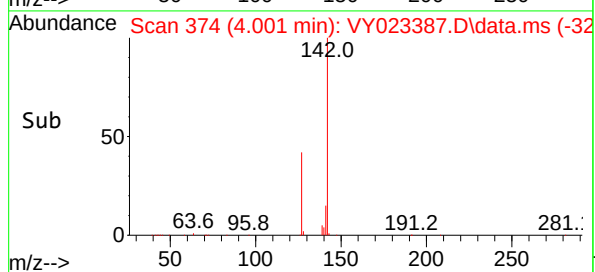
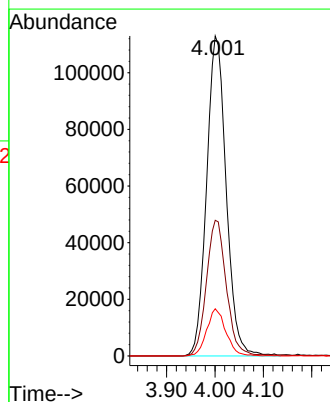
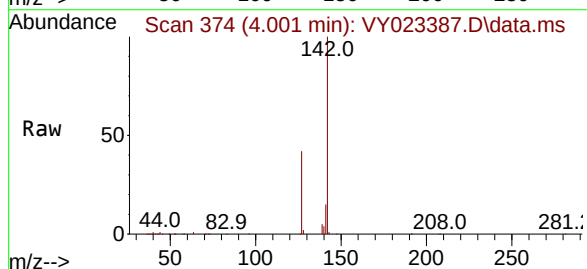
Tgt Ion:142 Resp: 317731

Ion Ratio Lower Upper

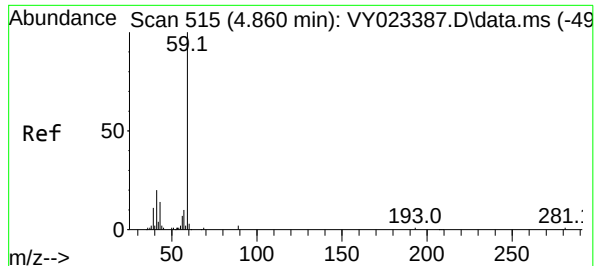
142 100

127 43.5 34.8 52.2

141 14.5 11.6 17.4







#11

Tert butyl alcohol

Concen: 244.793 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 7364

Ion Ratio Lower Upper

59 100

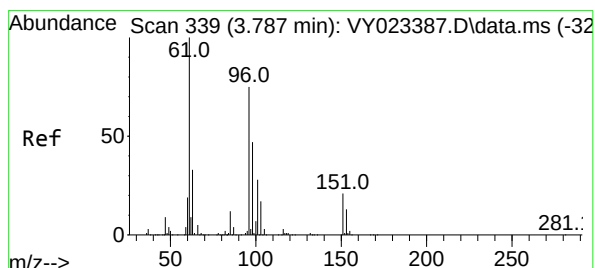
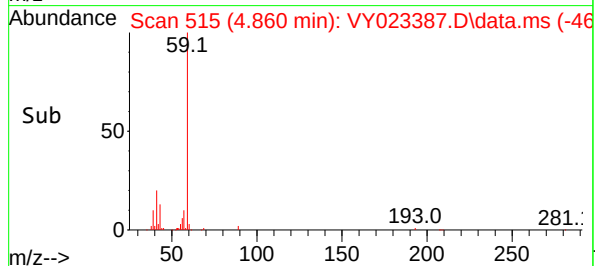
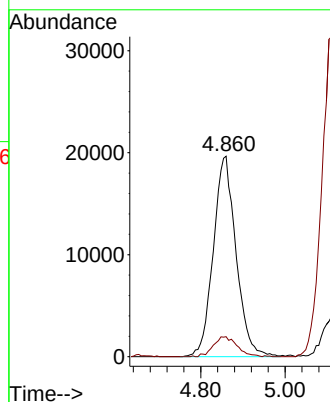
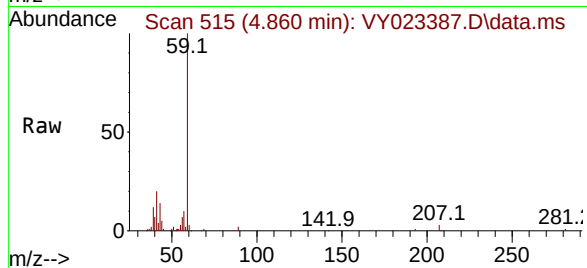
57 10.4 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 45.738 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

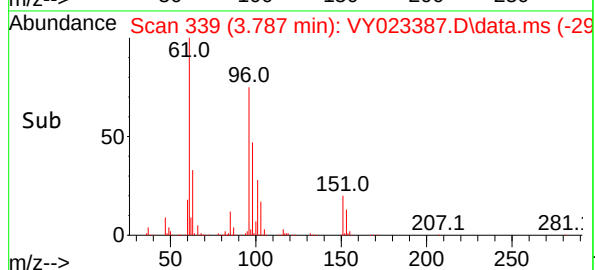
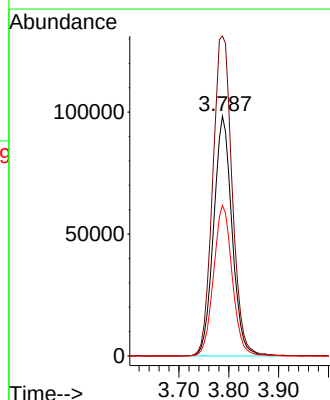
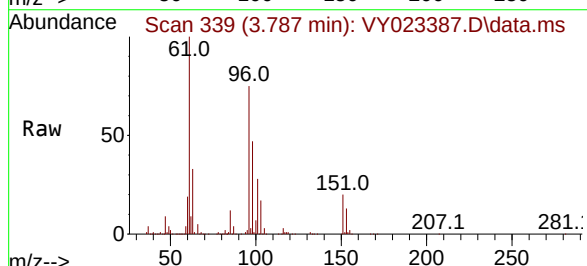
Tgt Ion: 96 Resp: 252190

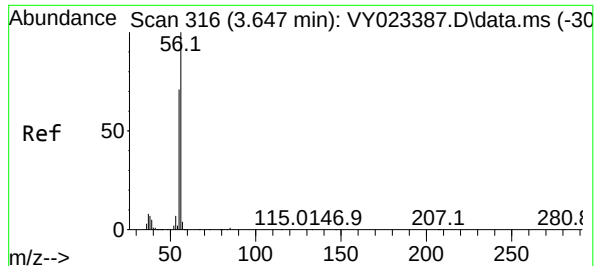
Ion Ratio Lower Upper

96 100

61 133.4 106.7 160.1

98 62.8 50.2 75.4





#13

Acrolein

Concen: 242.575 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 12364

Ion Ratio Lower Upper

56 100

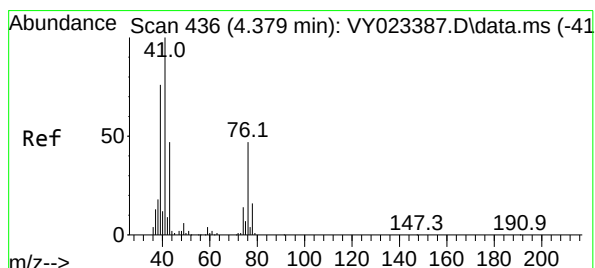
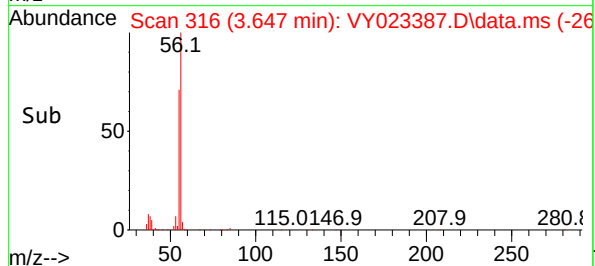
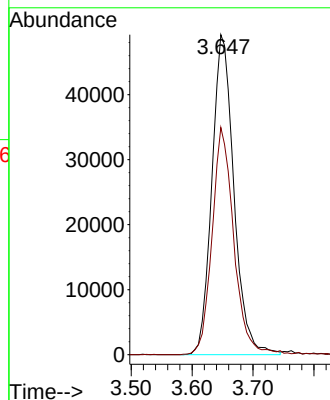
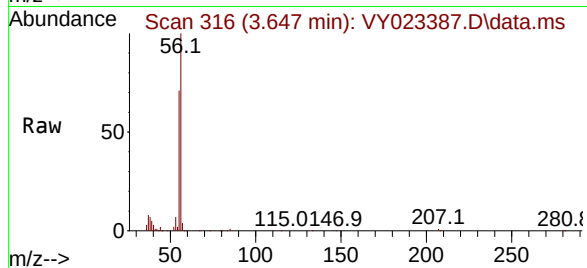
55 70.1 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#14

Allyl chloride

Concen: 44.989 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

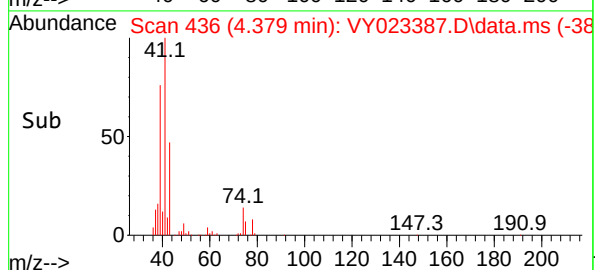
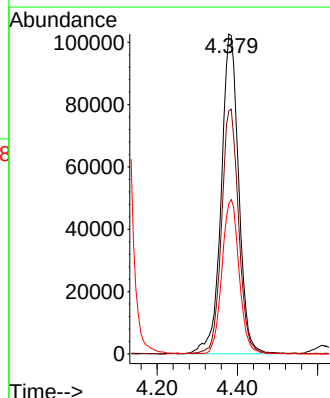
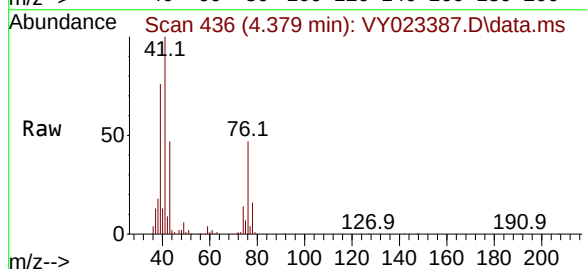
Tgt Ion: 41 Resp: 310569

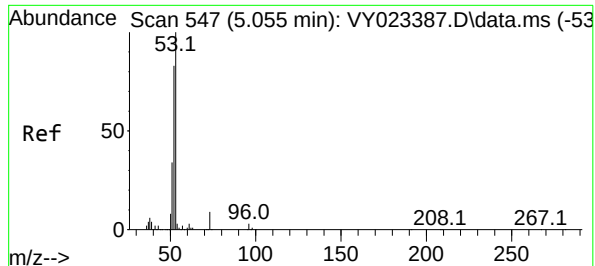
Ion Ratio Lower Upper

41 100

39 74.9 59.9 89.9

76 47.5 38.0 57.0





#15

Acrylonitrile

Concen: 219.075 ug/l

RT: 5.055 min Scan# 547

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 240668

Ion Ratio Lower Upper

53 100

52 80.8 64.6 97.0

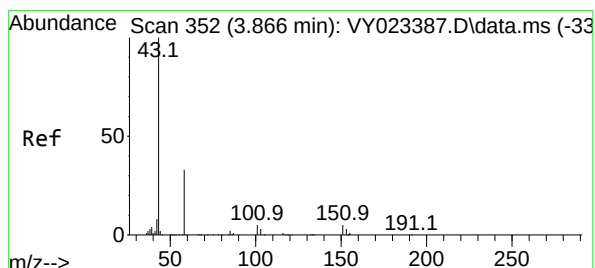
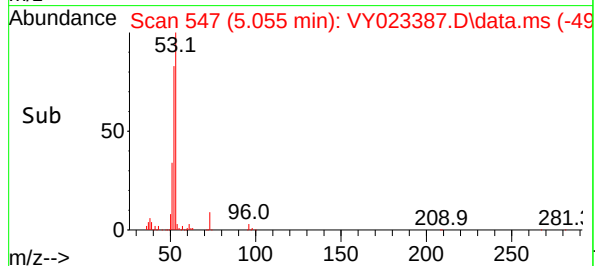
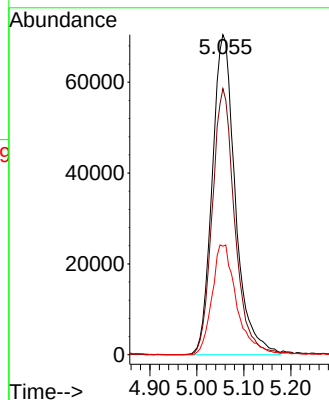
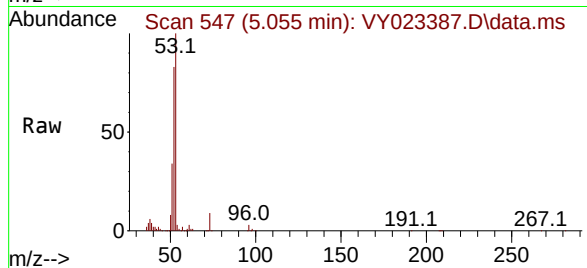
51 36.9 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#16

Acetone

Concen: 214.955 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.000 min

Lab File: VY023387.D

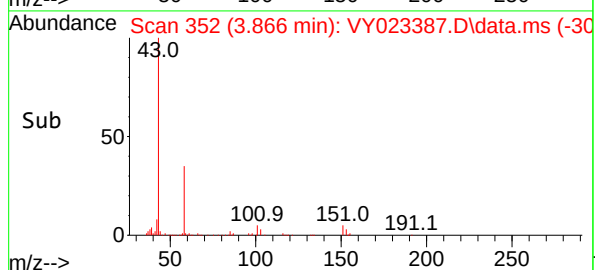
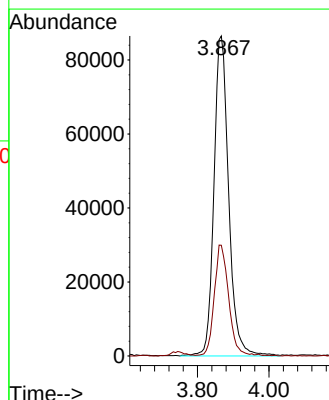
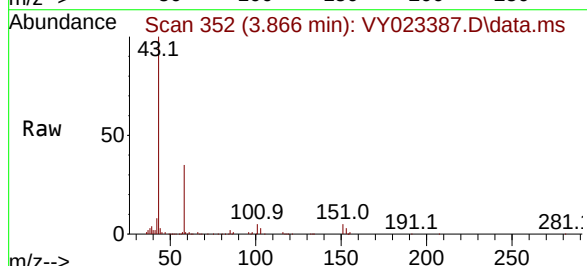
Acq: 07 Oct 2025 11:47

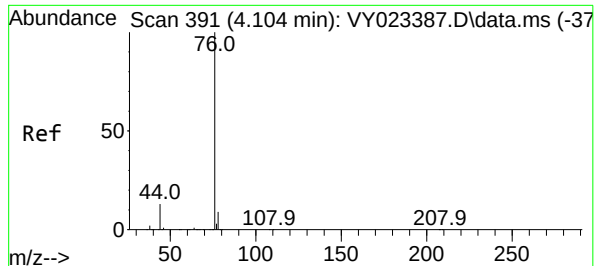
Tgt Ion: 43 Resp: 247122

Ion Ratio Lower Upper

43 100

58 34.6 27.7 41.5





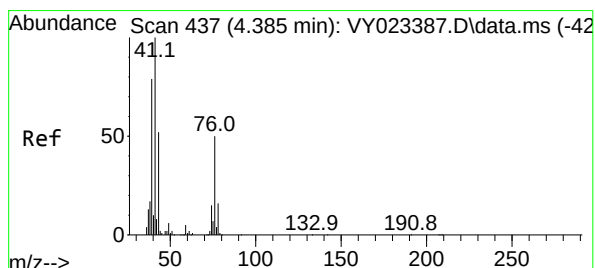
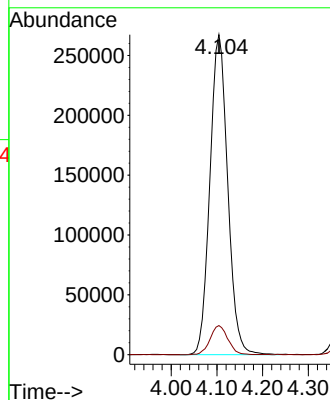
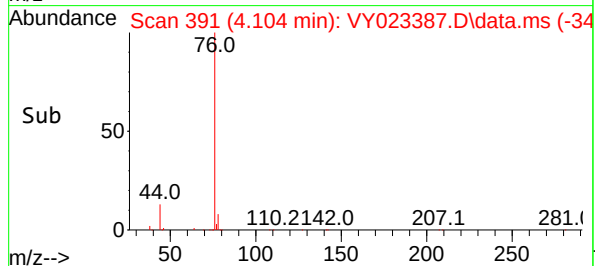
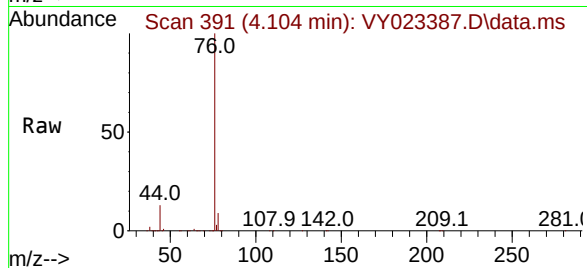
#17  
Carbon Disulfide  
Concen: 42.028 ug/l  
RT: 4.104 min Scan# 391  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 76 Resp: 72298  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.3 10.9

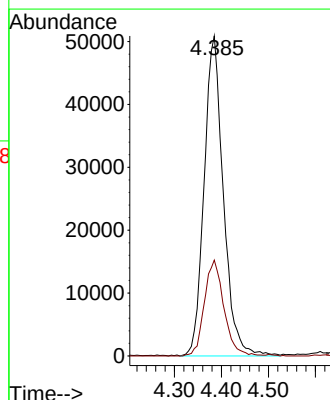
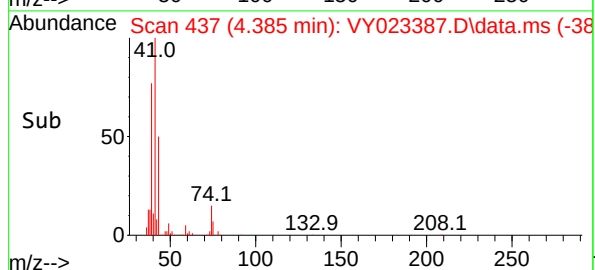
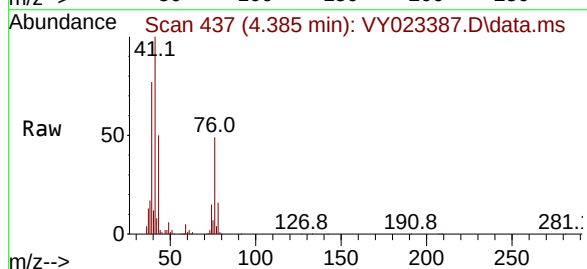
Manual Integrations  
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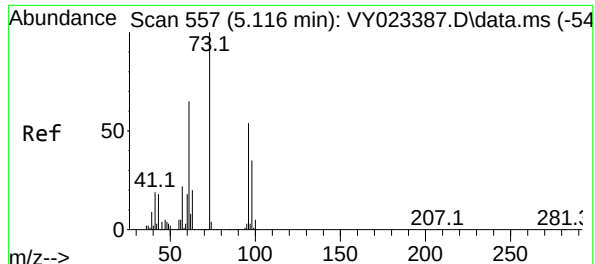
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#18  
Methyl Acetate  
Concen: 49.563 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 144816  
Ion Ratio Lower Upper  
43 100  
74 30.3 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 46.626 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 601934

Ion Ratio Lower Upper

73 100

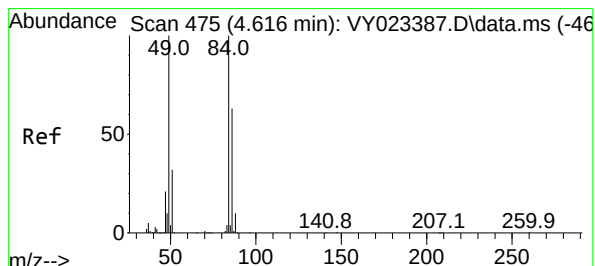
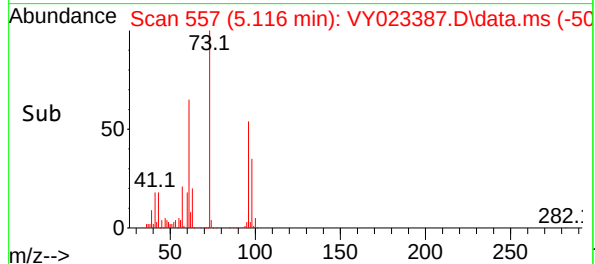
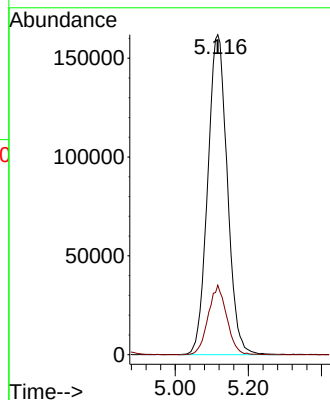
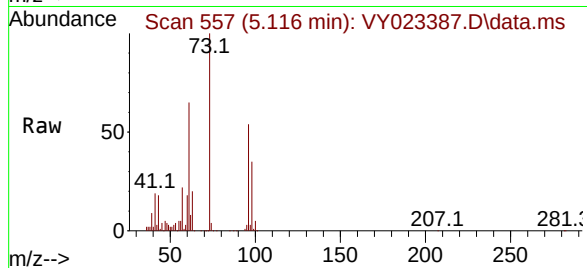
57 21.7 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 43.409 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Tgt Ion: 84 Resp: 270612

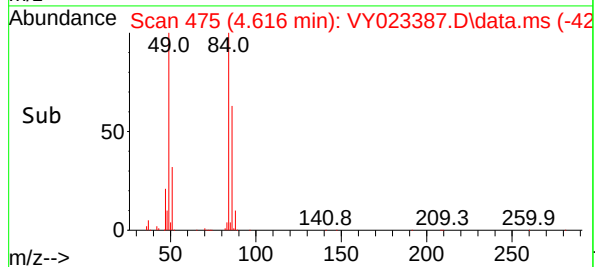
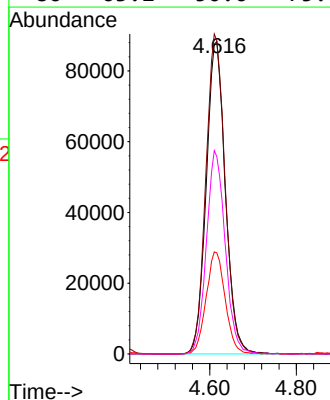
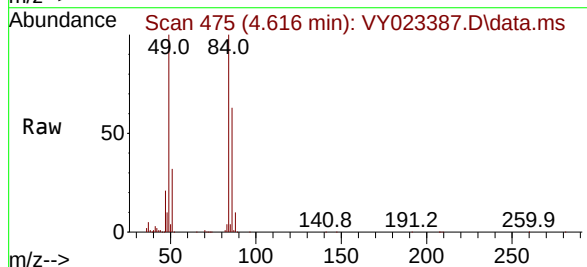
Ion Ratio Lower Upper

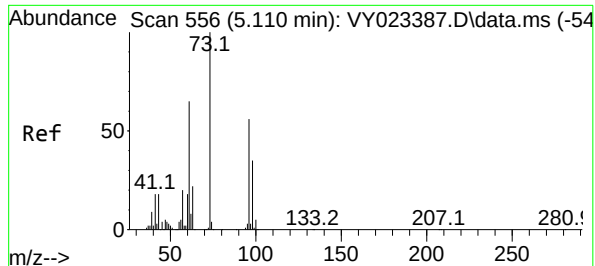
84 100

49 100.3 80.2 120.4

51 32.4 25.9 38.9

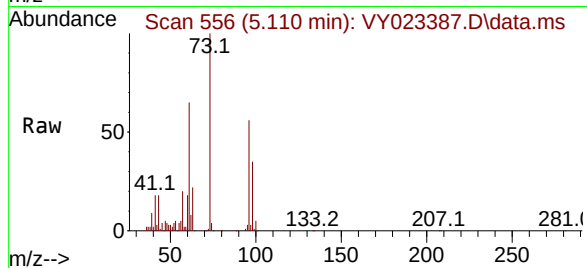
86 63.2 50.6 75.8





#21  
trans-1,2-Dichloroethene  
Concen: 45.256 ug/l  
RT: 5.110 min Scan# 556  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

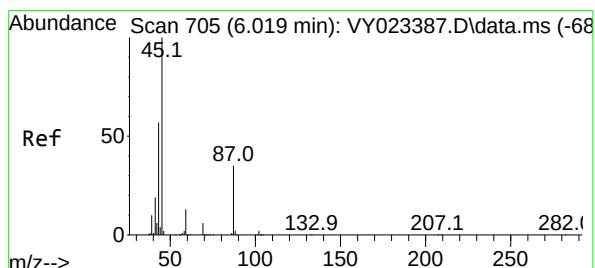
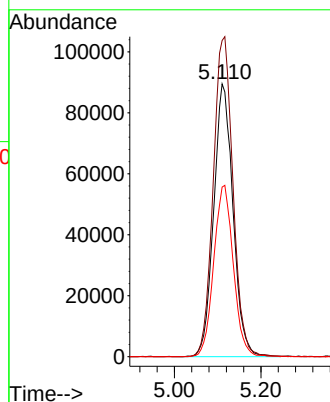
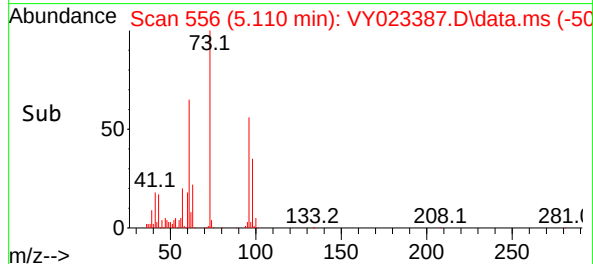
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050



Tgt Ion: 96 Resp: 277510  
Ion Ratio Lower Upper  
96 100  
61 115.9 92.7 139.1  
98 62.1 49.7 74.5

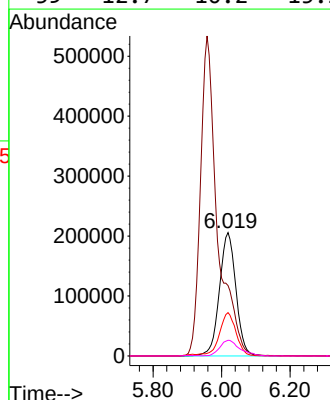
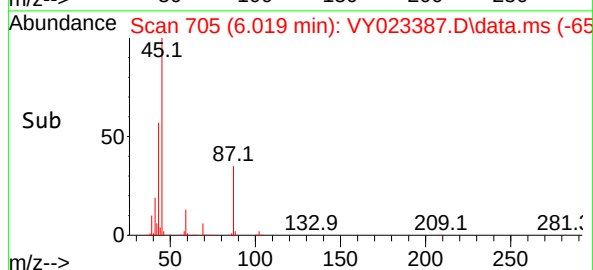
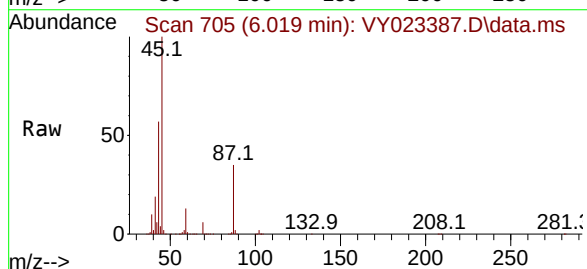
Manual Integrations  
APPROVED

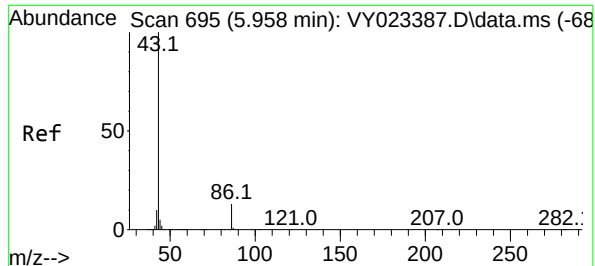
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#22  
Diisopropyl ether  
Concen: 44.844 ug/l  
RT: 6.019 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Tgt Ion: 45 Resp: 686481  
Ion Ratio Lower Upper  
45 100  
43 57.0 45.6 68.4  
87 35.1 28.1 42.1  
59 12.7 10.2 15.2





#23

Vinyl Acetate

Concen: 219.119 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1843784

Ion Ratio Lower Upper

43

100

86

13.2

10.6

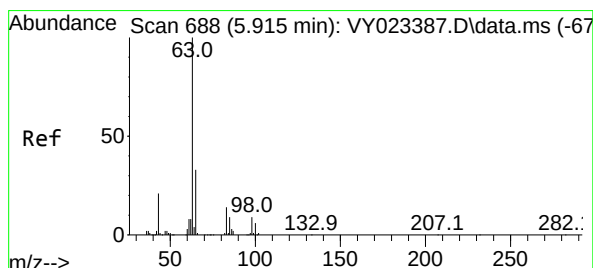
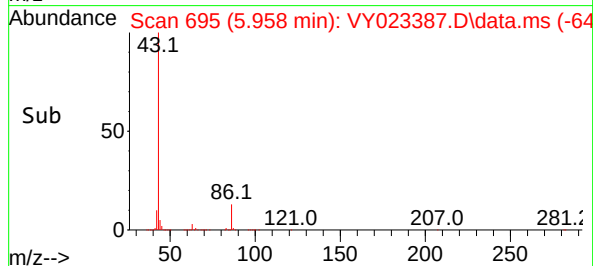
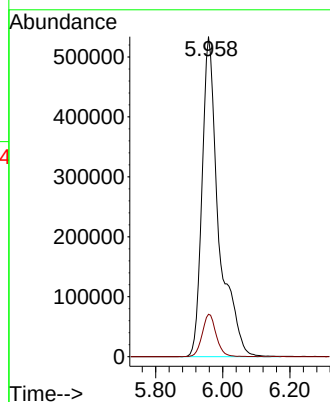
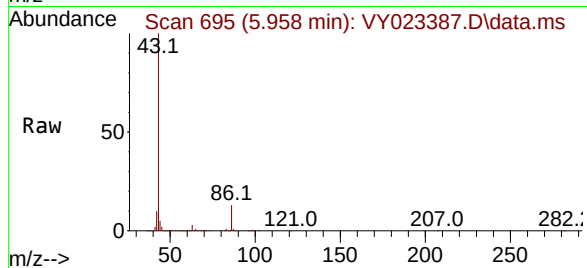
15.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 44.423 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Tgt Ion: 63 Resp: 448267

Ion Ratio Lower Upper

63

100

98

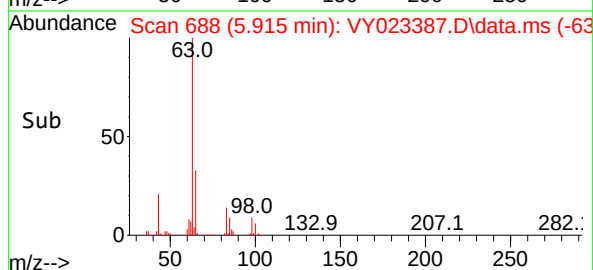
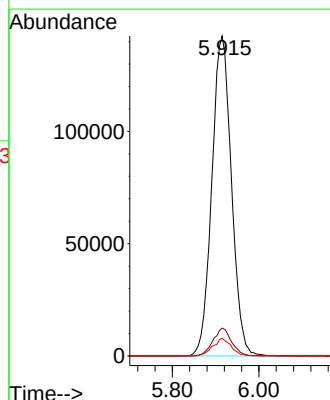
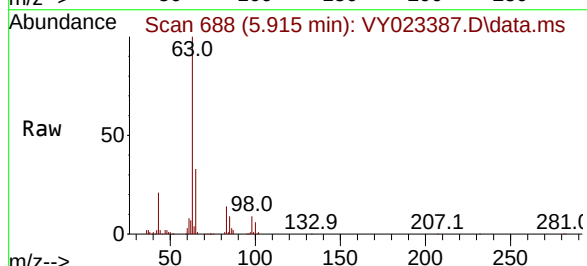
8.7

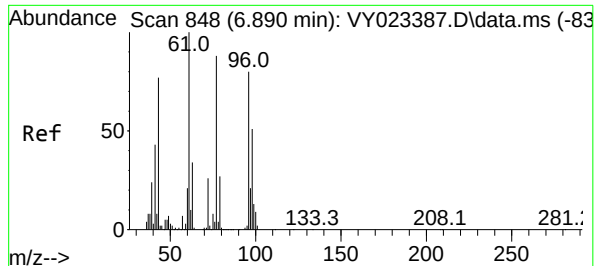
100

5.6

2.8

8.4





#25

2-Butanone

Concen: 218.327 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 31023

Ion Ratio Lower Upper

43 100

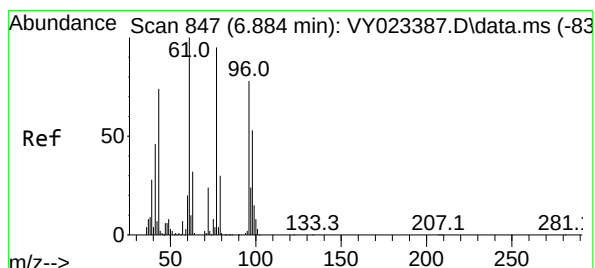
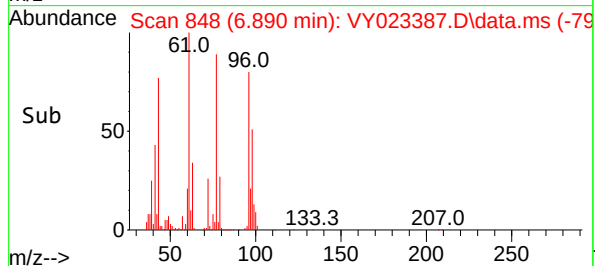
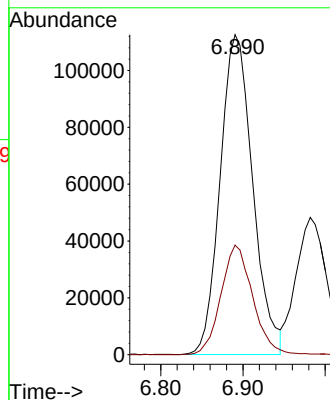
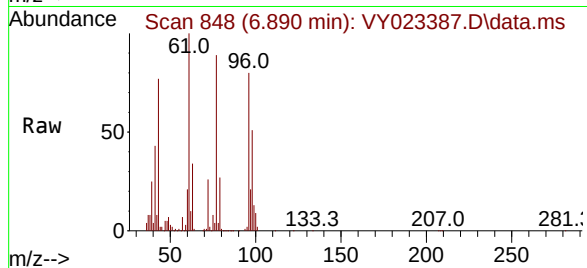
72 34.3 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 46.440 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023387.D

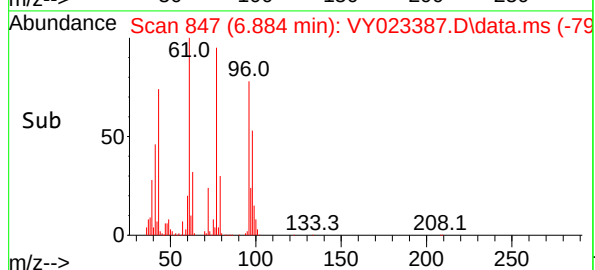
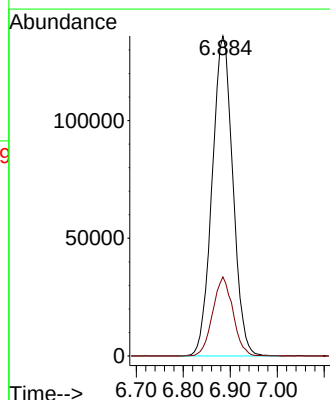
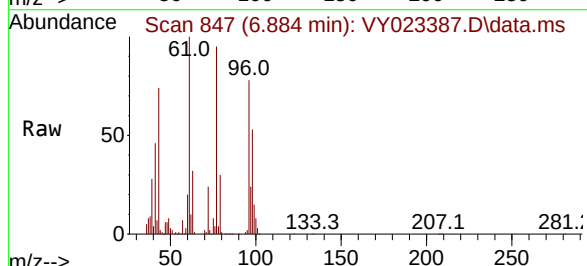
Acq: 07 Oct 2025 11:47

Tgt Ion: 77 Resp: 416391

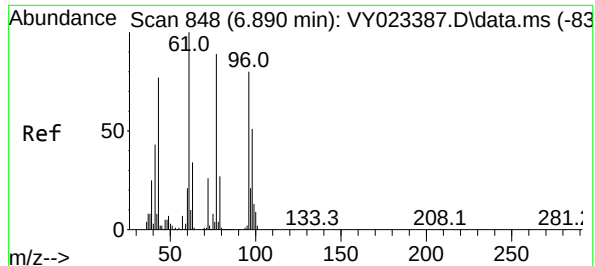
Ion Ratio Lower Upper

77 100

97 24.2 12.1 36.3







#27

cis-1,2-Dichloroethene

Concen: 46.010 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

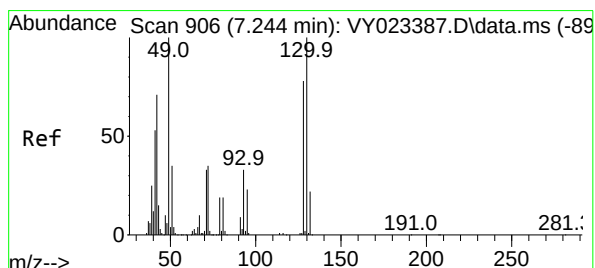
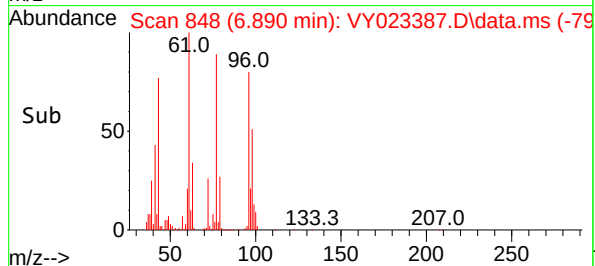
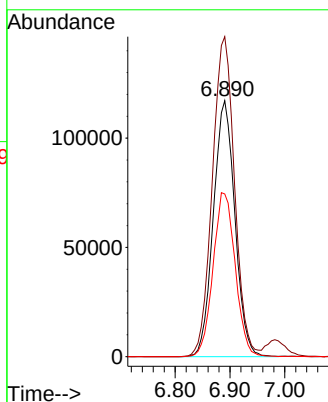
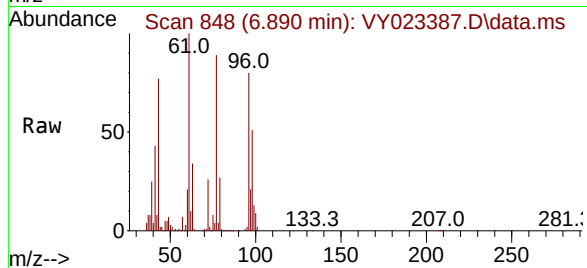
VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 320028 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 129.1 | 0.0   | 258.2  |
| 98       | 66.0  | 0.0   | 132.0  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#28

Bromochloromethane

Concen: 40.211 ug/l

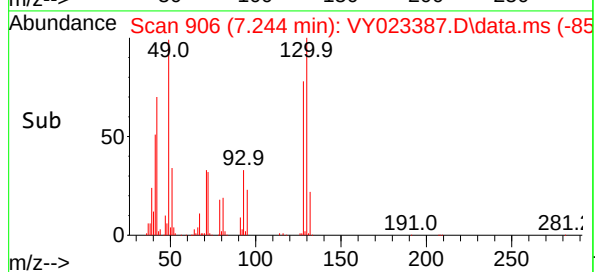
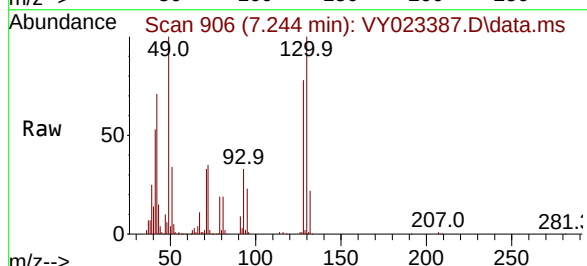
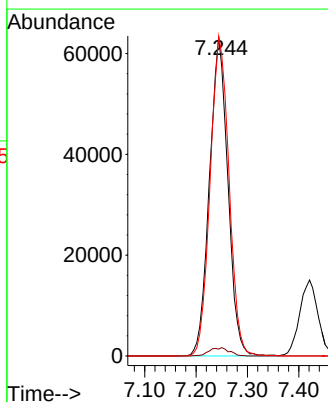
RT: 7.244 min Scan# 906

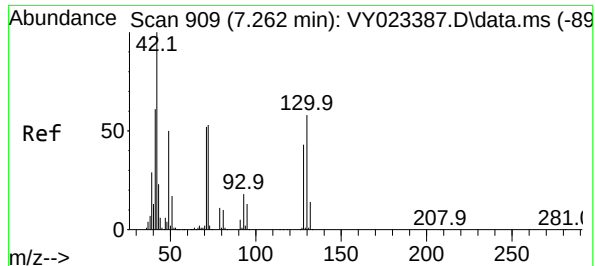
Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 157414 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.8   | 0.0   | 5.6    |
| 130      | 102.4 | 81.9  | 122.9  |





#29

Tetrahydrofuran

Concen: 222.653 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 18778

Ion Ratio Lower Upper

42 100

72 53.8 43.0 64.6

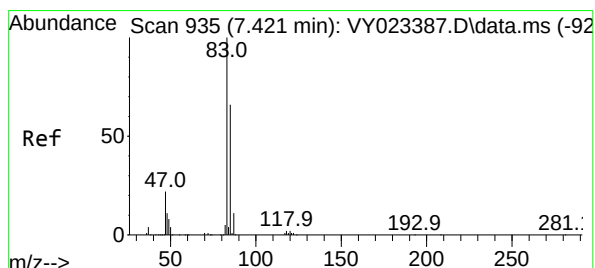
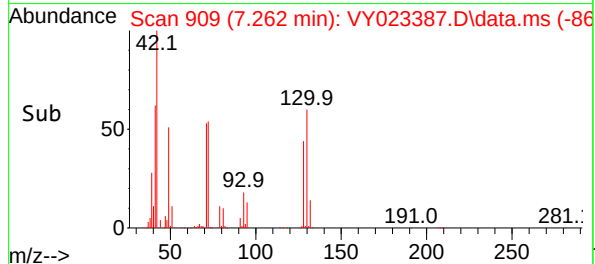
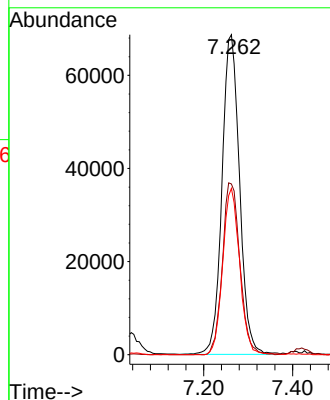
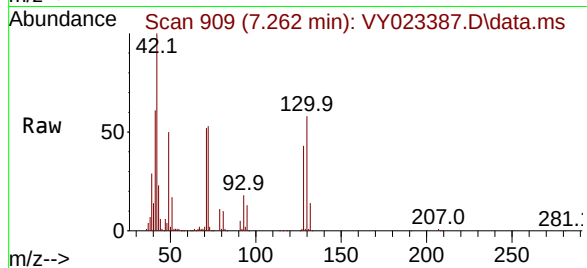
71 50.1 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Chloroform

Concen: 45.316 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023387.D

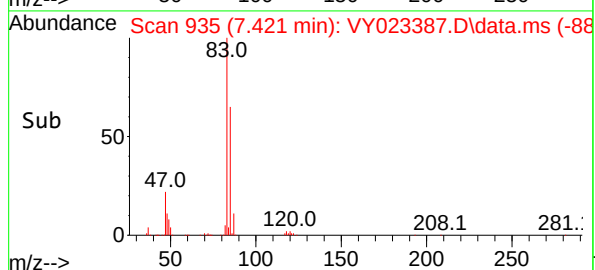
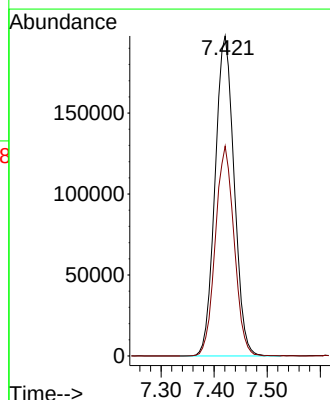
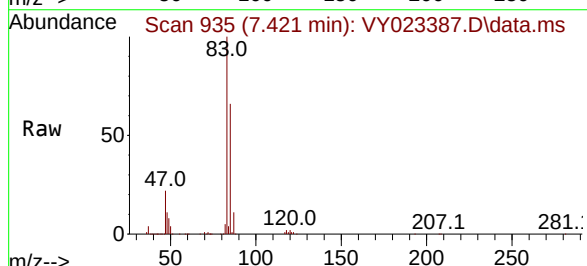
Acq: 07 Oct 2025 11:47

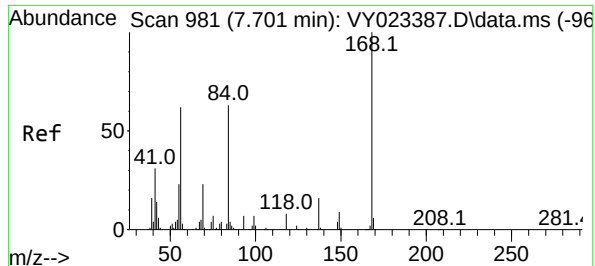
Tgt Ion: 83 Resp: 493098

Ion Ratio Lower Upper

83 100

85 65.6 52.5 78.7





#31

Cyclohexane

Concen: 42.602 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 379644

Ion Ratio Lower Upper

56 100

69 37.5 30.0 45.0

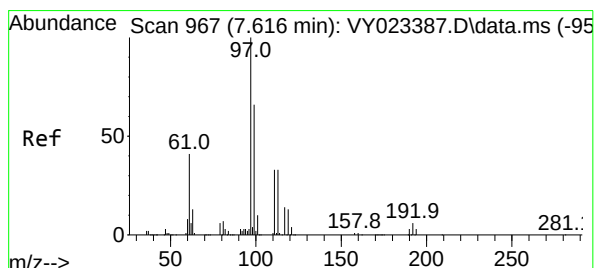
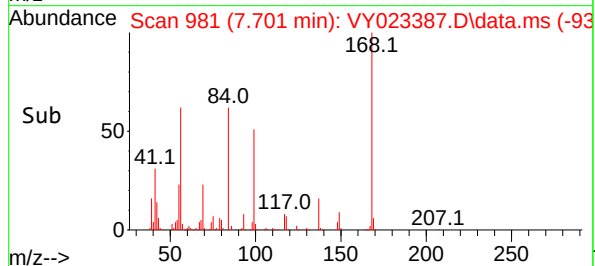
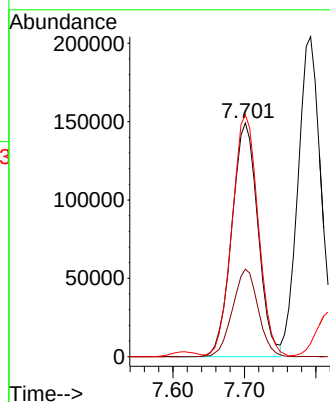
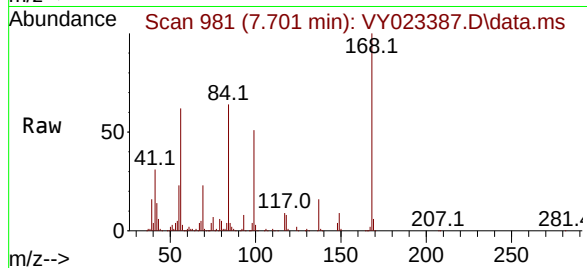
84 101.5 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 46.347 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

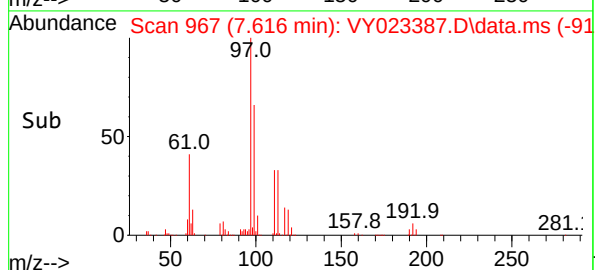
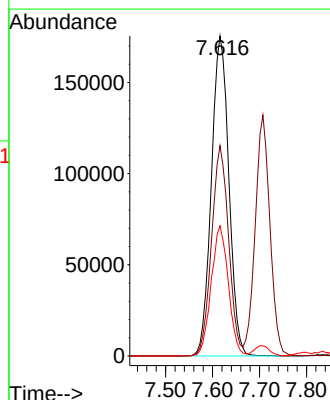
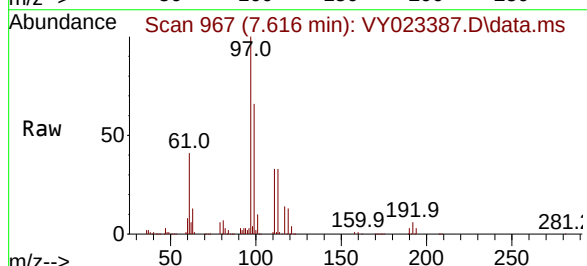
Tgt Ion: 97 Resp: 452713

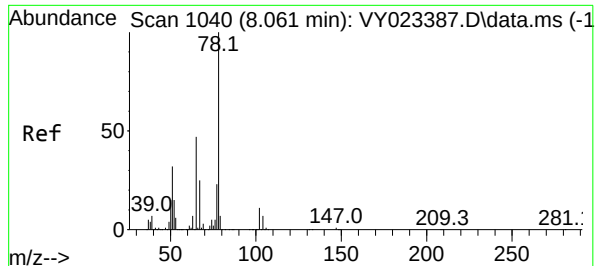
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 39.9 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 45.240 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 23129

Ion Ratio Lower Upper

65 100

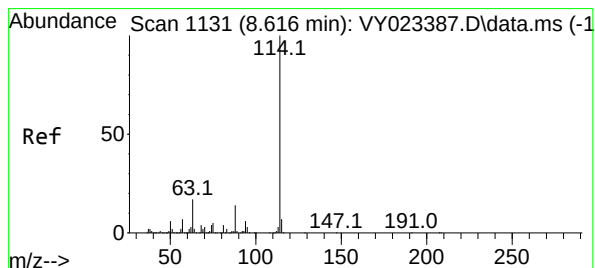
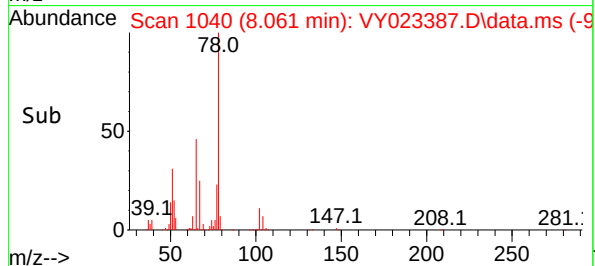
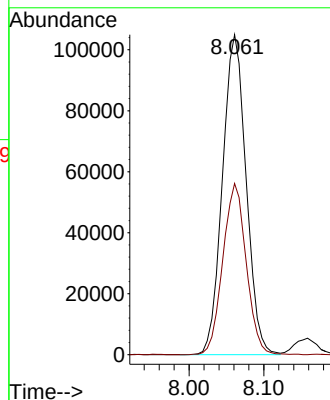
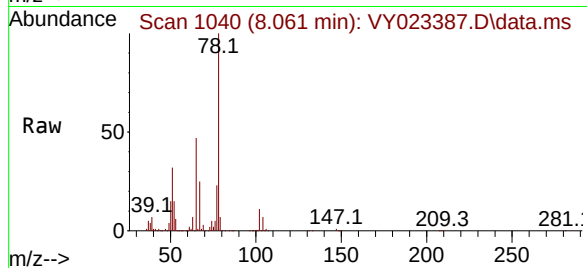
67 52.9 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

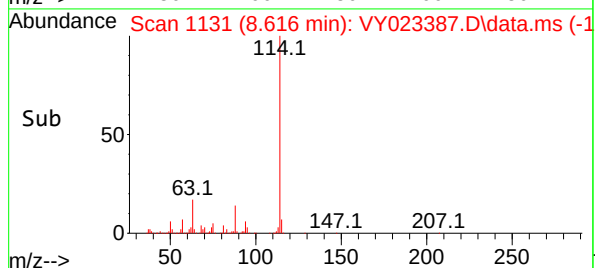
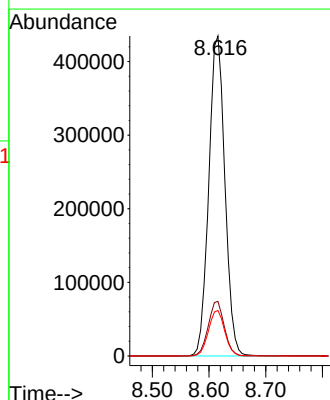
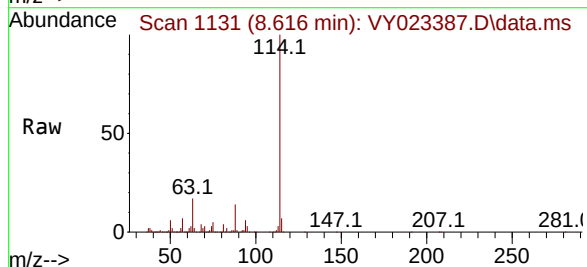
Tgt Ion:114 Resp: 858767

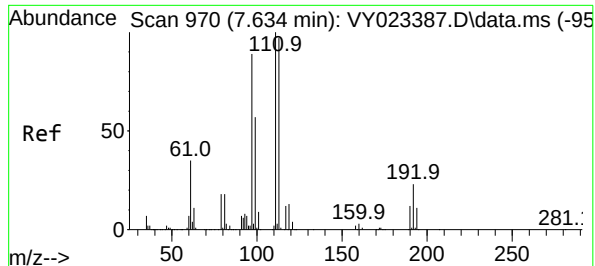
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.2

88 14.2 0.0 28.4





#35

Dibromofluoromethane

Concen: 49.185 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 25633

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

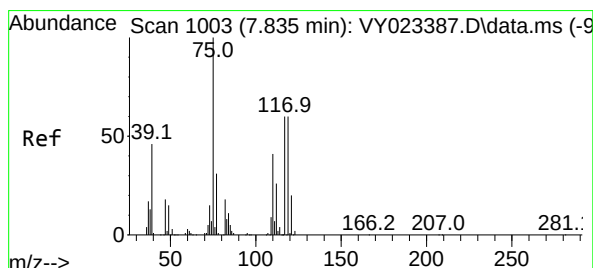
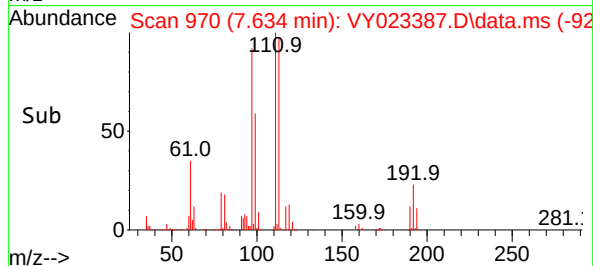
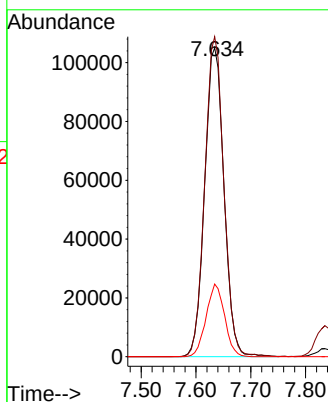
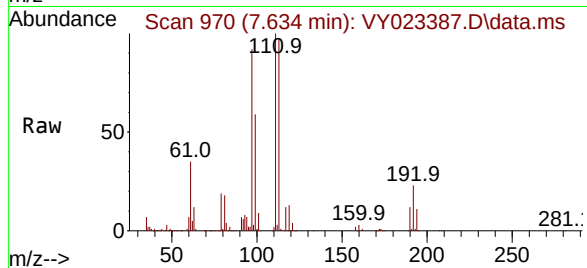
192 22.5 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#36

1,1-Dichloropropene

Concen: 46.424 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

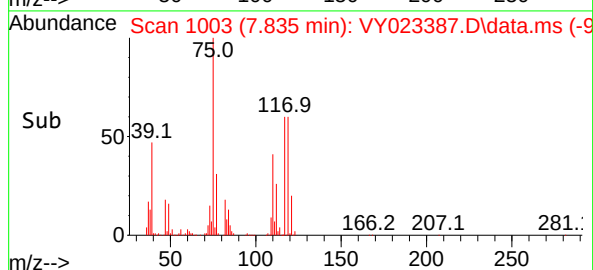
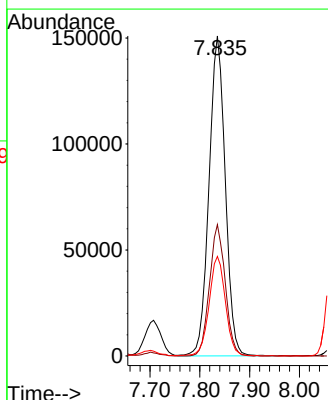
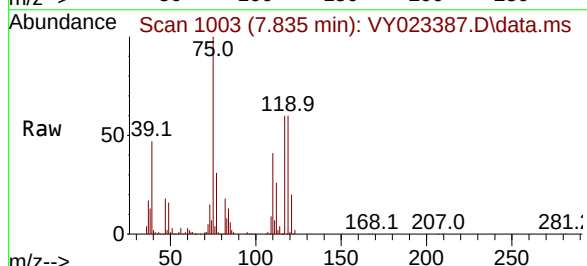
Tgt Ion: 75 Resp: 341353

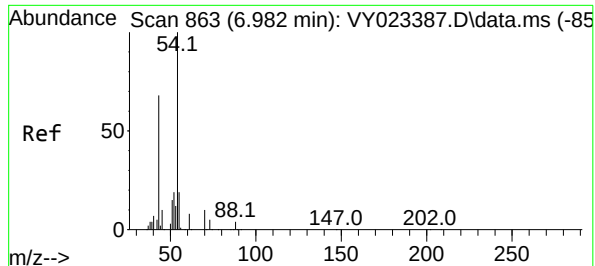
Ion Ratio Lower Upper

75 100

110 39.8 19.9 59.7

77 31.3 25.0 37.6





#37

Ethyl Acetate

Concen: 44.394 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 12905

Ion Ratio Lower Upper

43 100

61 14.8 11.8 17.8

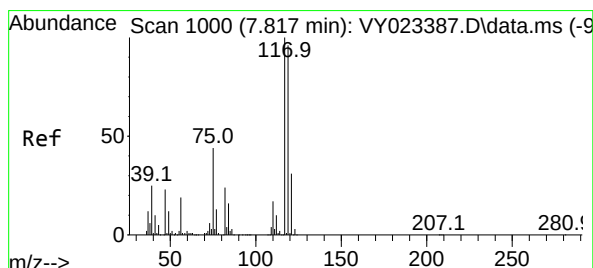
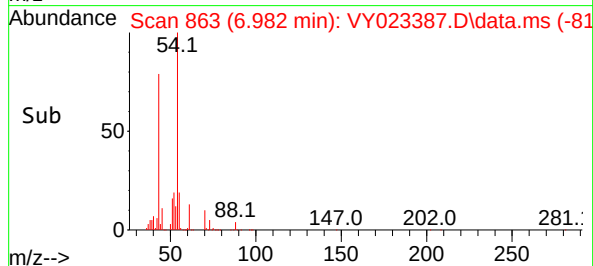
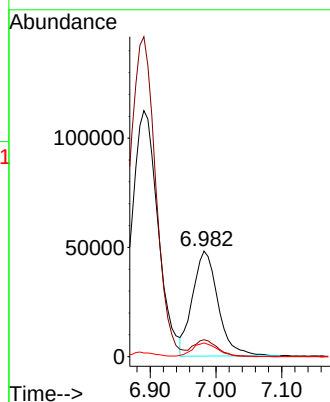
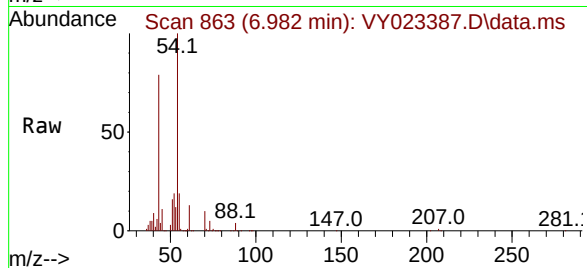
70 13.1 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#38

Carbon Tetrachloride

Concen: 48.374 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

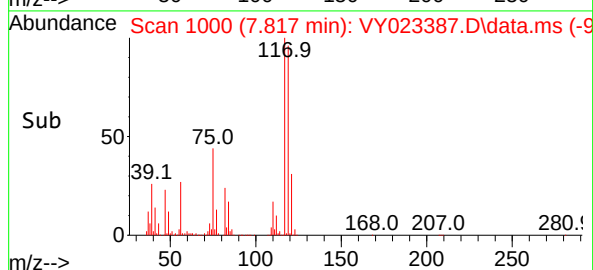
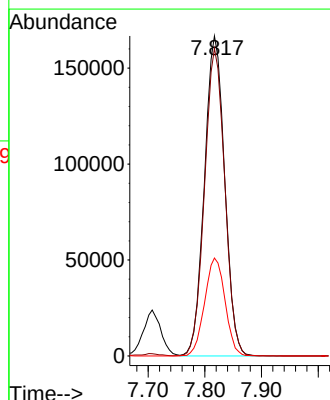
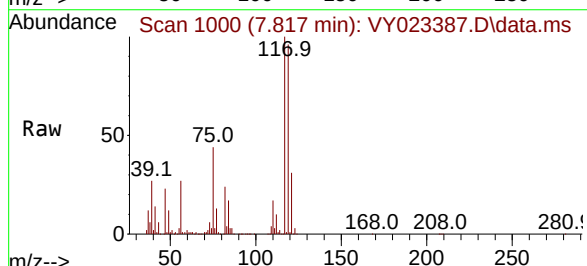
Tgt Ion:117 Resp: 413187

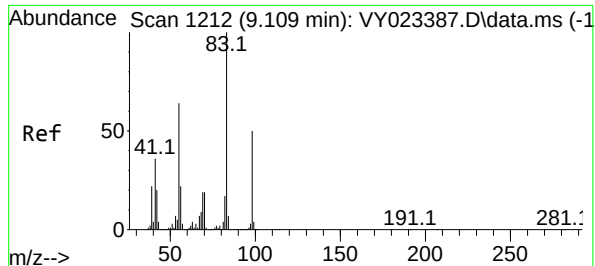
Ion Ratio Lower Upper

117 100

119 96.0 76.8 115.2

121 30.6 24.5 36.7





#39

Methylcyclohexane

Concen: 48.113 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 452959

Ion Ratio Lower Upper

83 100

55 64.3 51.4 77.2

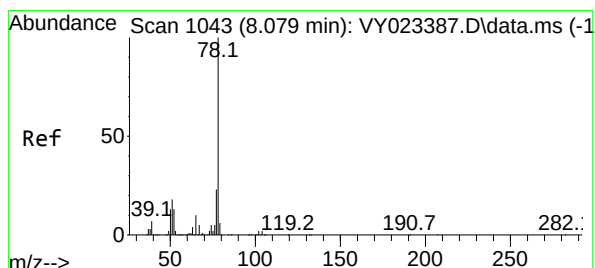
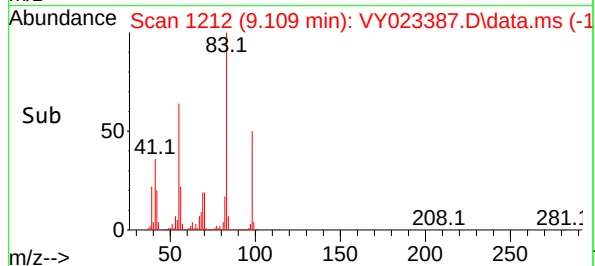
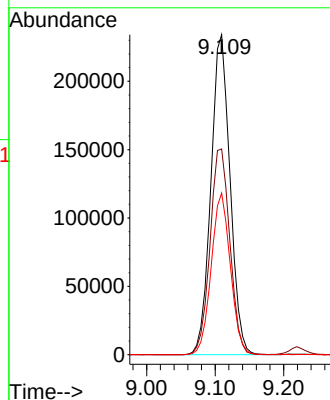
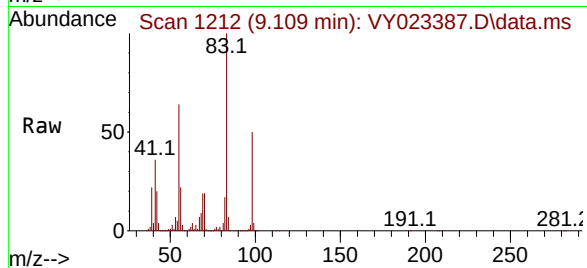
98 50.5 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Benzene

Concen: 47.154 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023387.D

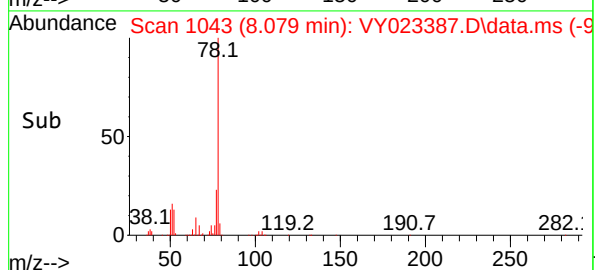
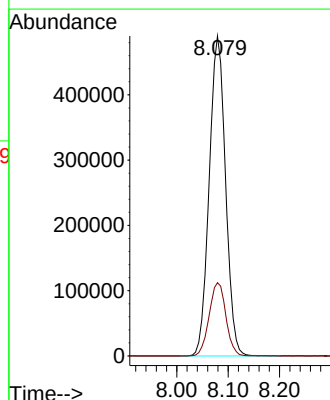
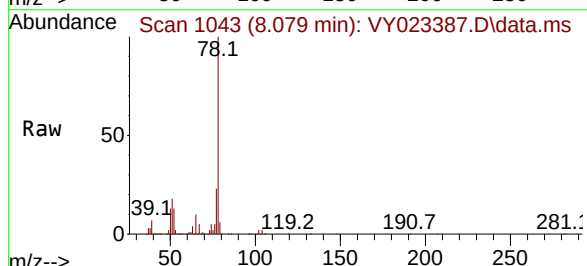
Acq: 07 Oct 2025 11:47

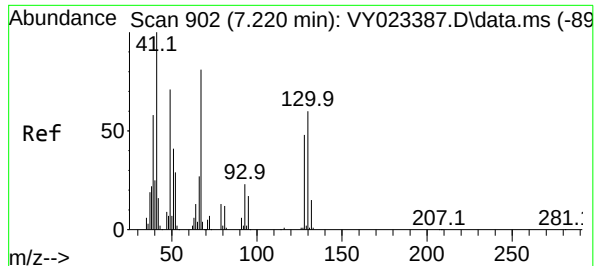
Tgt Ion: 78 Resp: 1080883

Ion Ratio Lower Upper

78 100

77 22.9 18.3 27.5





#41

Methacrylonitrile

Concen: 45.399 ug/l

RT: 7.220 min Scan# 902

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 6854

Ion Ratio Lower Upper

41 100

39 65.3 52.2 78.4

67 93.6 74.9 112.3

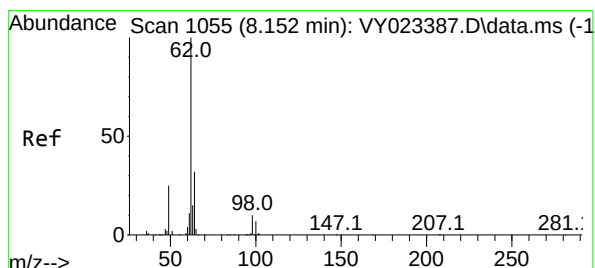
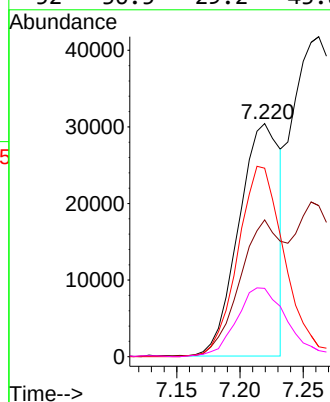
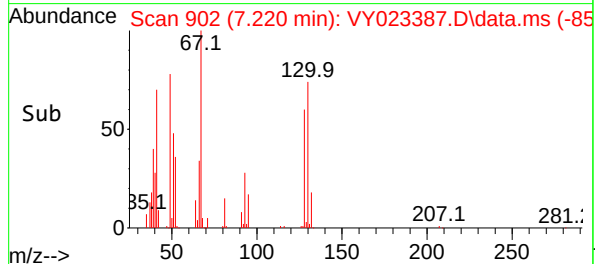
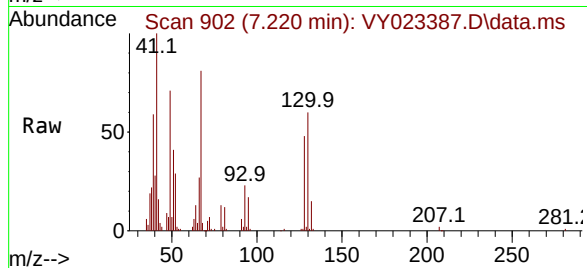
52 36.5 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#42

1,2-Dichloroethane

Concen: 46.350 ug/l

RT: 8.152 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VY023387.D

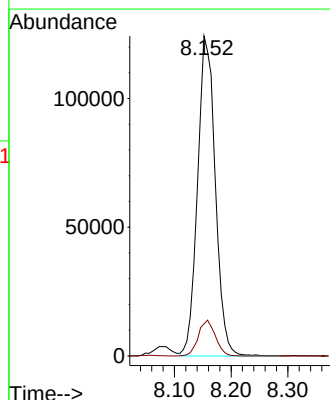
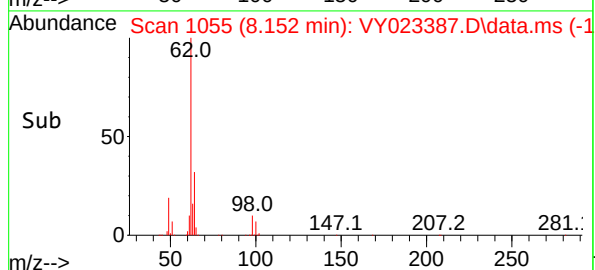
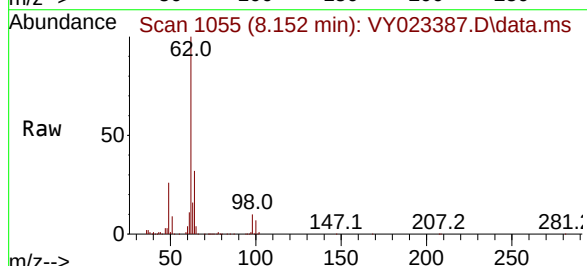
Acq: 07 Oct 2025 11:47

Tgt Ion: 62 Resp: 270387

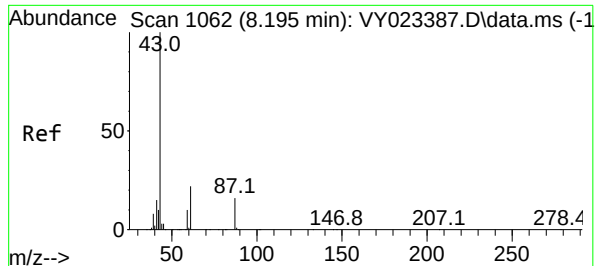
Ion Ratio Lower Upper

62 100

98 10.8 0.0 21.6







#43

Isopropyl Acetate

Concen: 45.811 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 25904

Ion Ratio Lower Upper

43 100

61 22.6 18.1 27.1

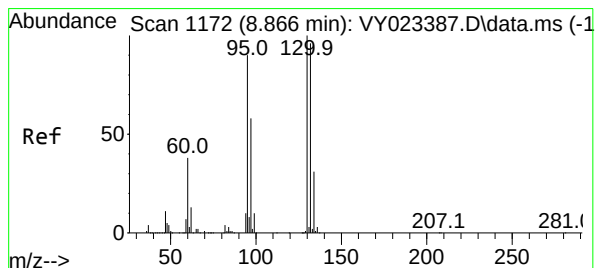
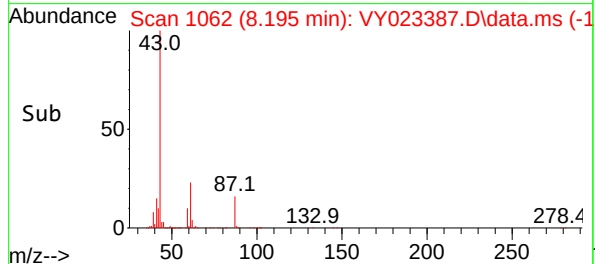
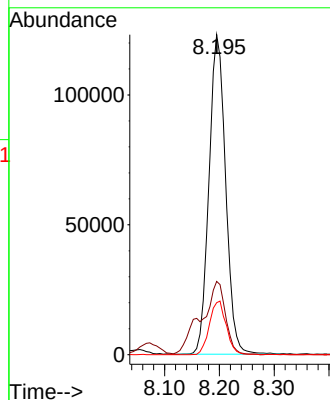
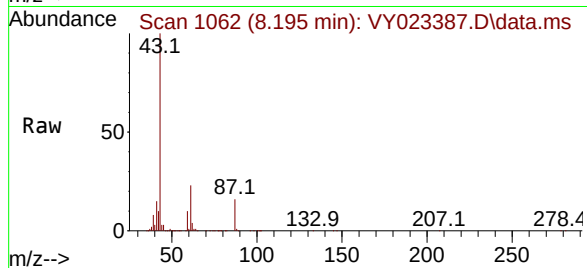
87 16.9 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#44

Trichloroethene

Concen: 48.982 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023387.D

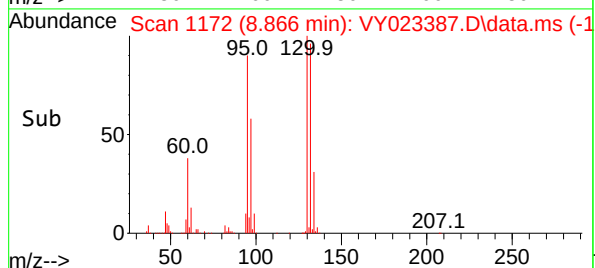
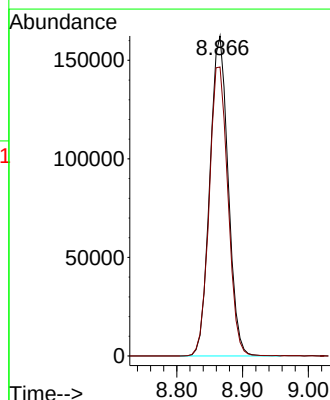
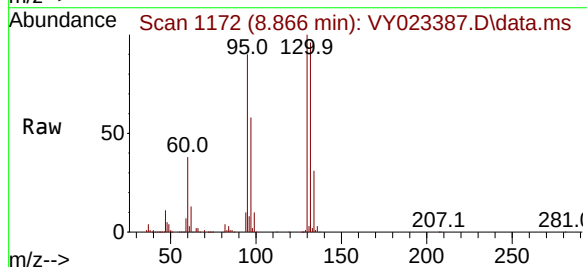
Acq: 07 Oct 2025 11:47

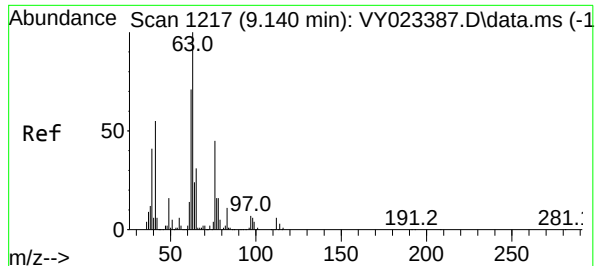
Tgt Ion:130 Resp: 315104

Ion Ratio Lower Upper

130 100

95 90.3 0.0 180.6





#45

1,2-Dichloropropane

Concen: 45.555 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 234978

Ion Ratio Lower Upper

63 100

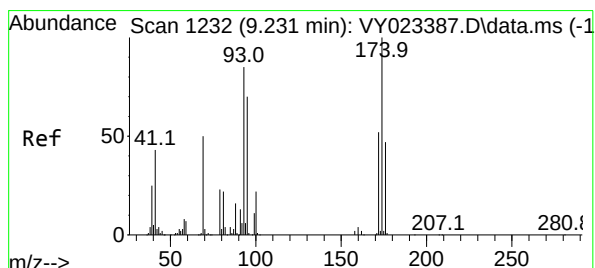
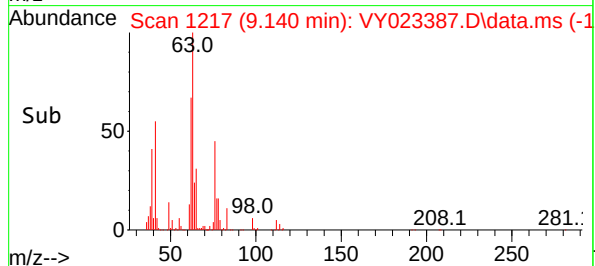
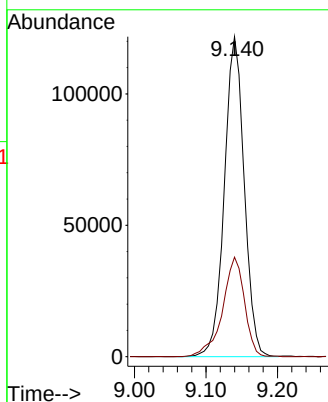
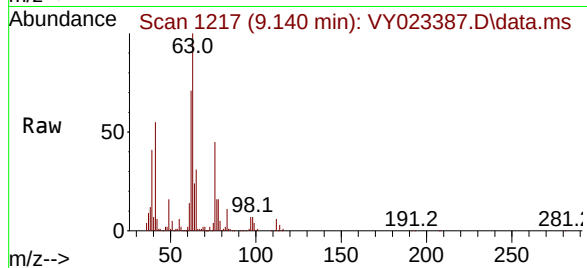
65 31.1 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

Concen: 47.198 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

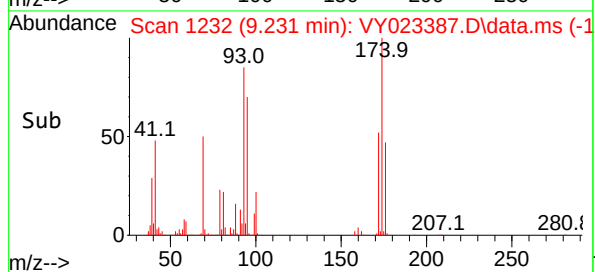
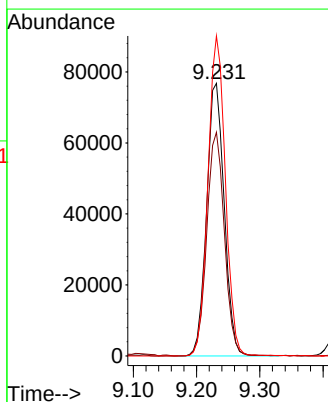
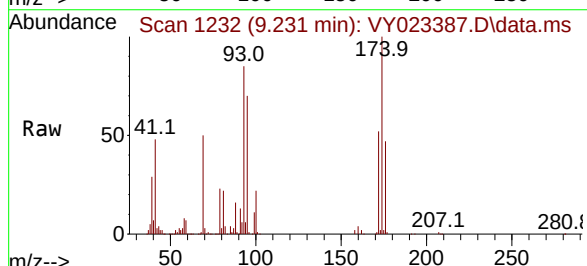
Tgt Ion: 93 Resp: 148914

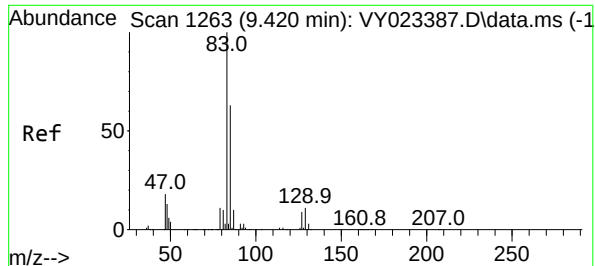
Ion Ratio Lower Upper

93 100

95 81.7 65.4 98.0

174 116.1 92.9 139.3





#47

Bromodichloromethane

Concen: 47.482 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

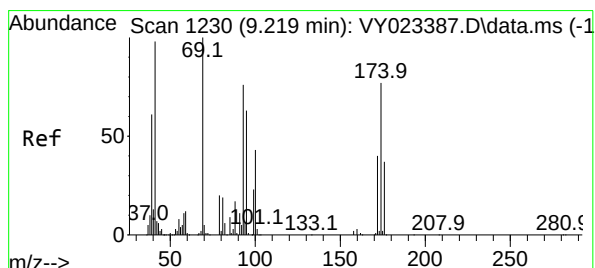
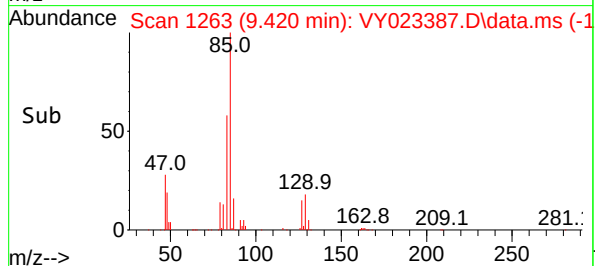
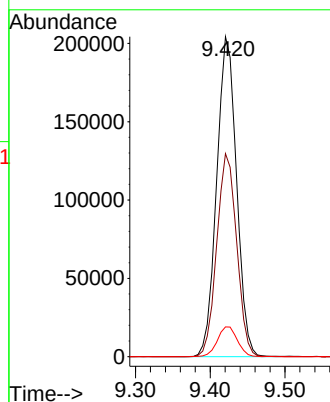
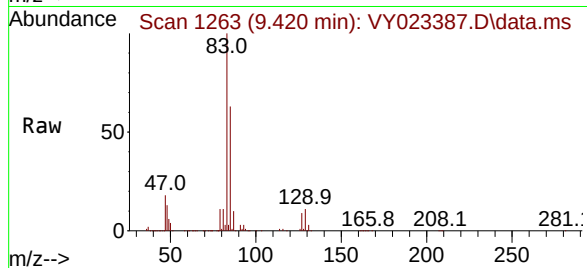
VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 377084 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.5  | 50.8  | 76.2   |
| 127      | 9.3   | 7.4   | 11.2   |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#48

Methyl methacrylate

Concen: 48.027 ug/l

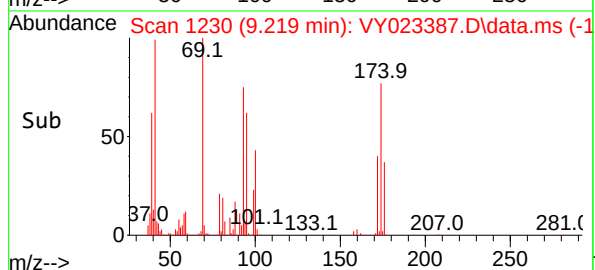
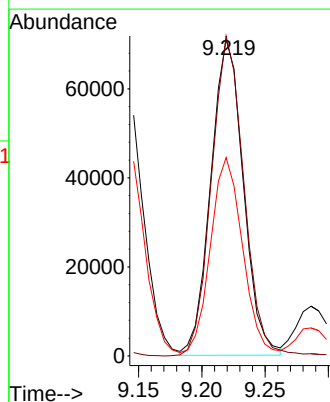
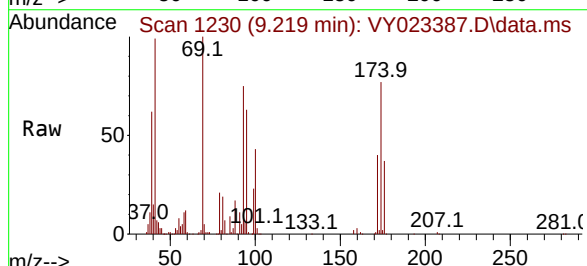
RT: 9.219 min Scan# 1230

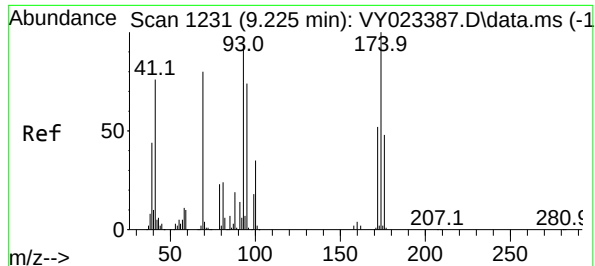
Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 126732 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 101.2 | 81.0  | 121.4  |
| 39       | 60.3  | 48.2  | 72.4   |





#49

1,4-Dioxane

Concen: 1042.312 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

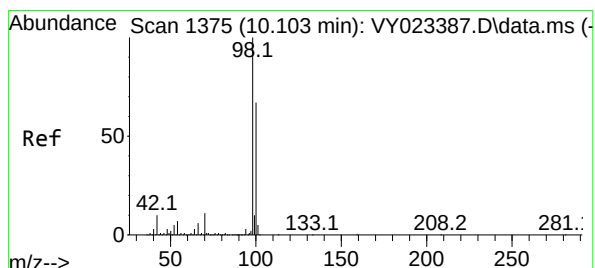
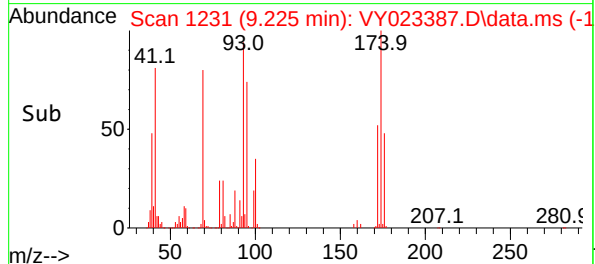
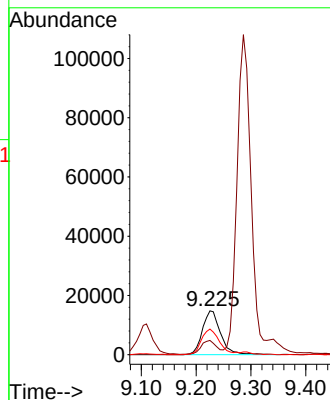
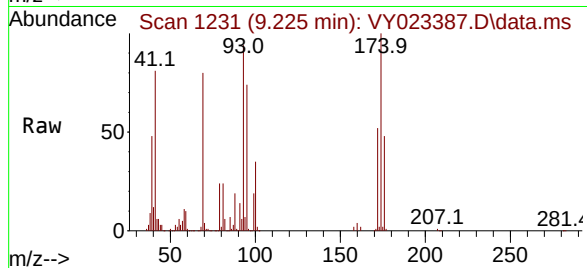
VSTDICCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 3405  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 27.3  | 21.8  | 32.8  |
| 58       | 58.5  | 46.8  | 70.2  |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#50

Toluene-d8

Concen: 49.334 ug/l

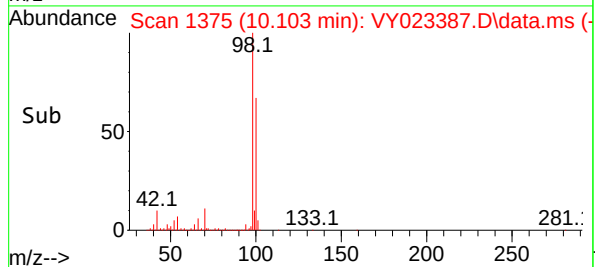
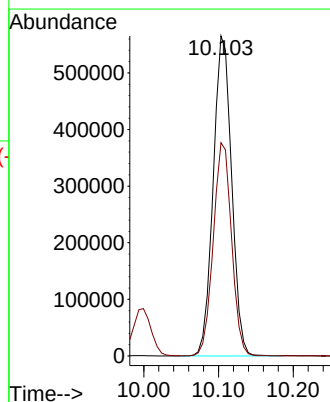
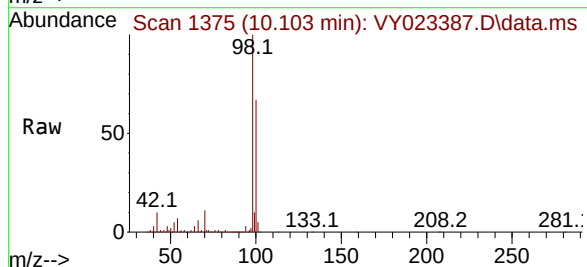
RT: 10.103 min Scan# 1375

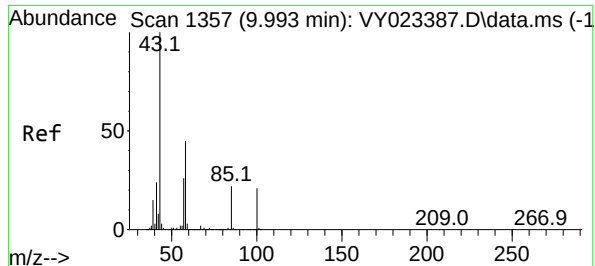
Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 969649 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 66.2  | 53.0  | 79.4   |





#51

4-Methyl-2-Pentanone

Concen: 235.772 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 682879

Ion Ratio Lower Upper

43 100

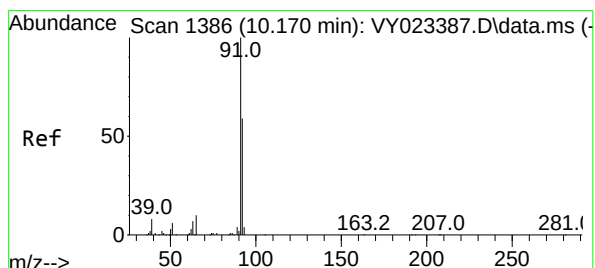
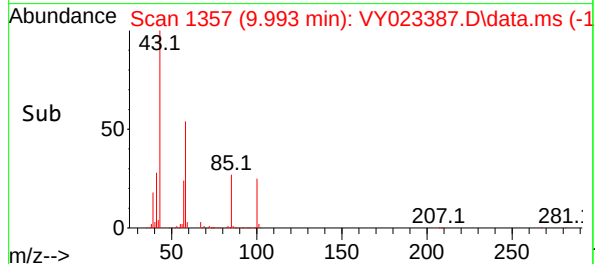
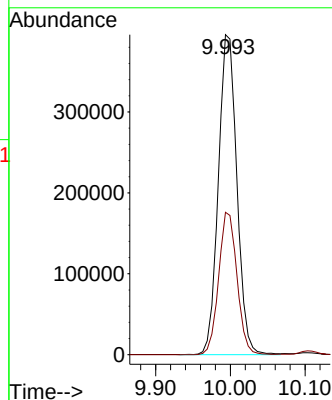
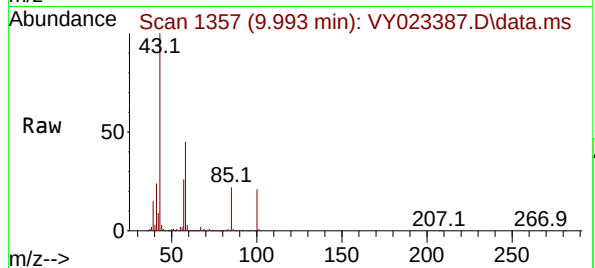
58 44.1 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#52

Toluene

Concen: 48.824 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY023387.D

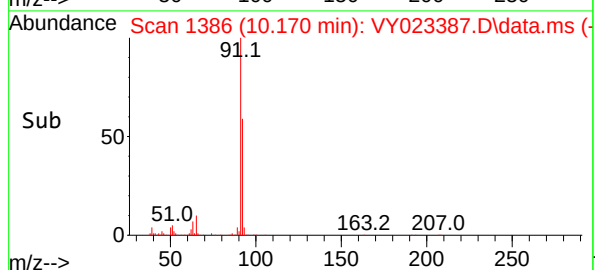
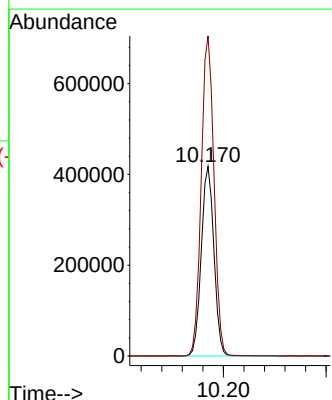
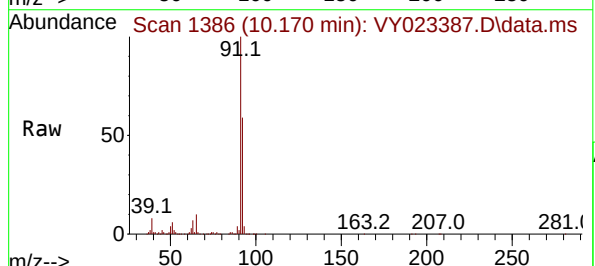
Acq: 07 Oct 2025 11:47

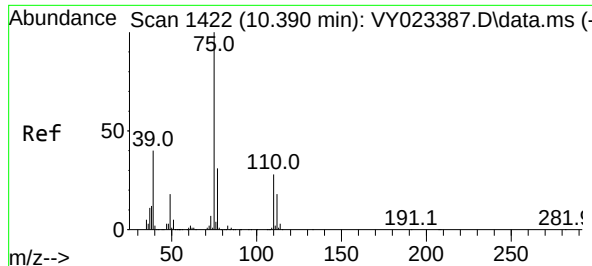
Tgt Ion: 92 Resp: 710404

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6





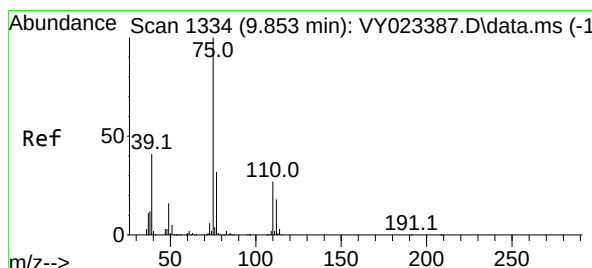
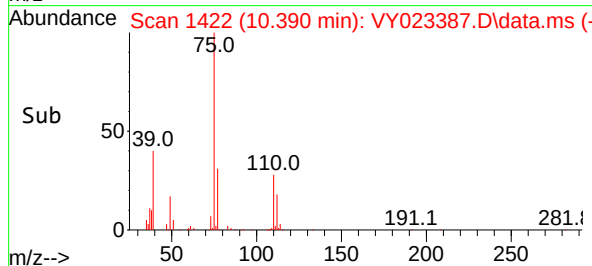
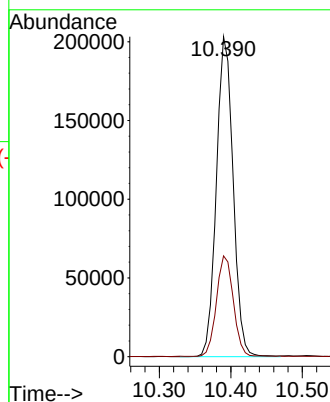
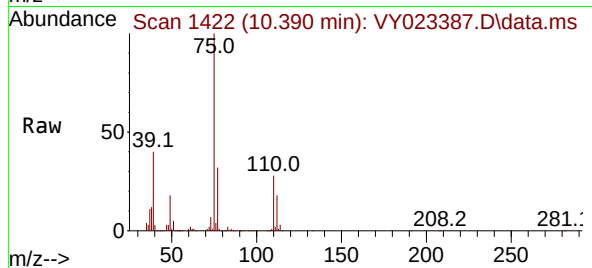
#53  
t-1,3-Dichloropropene  
Concen: 48.438 ug/l  
RT: 10.390 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 75 Resp: 330392  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.1 37.7

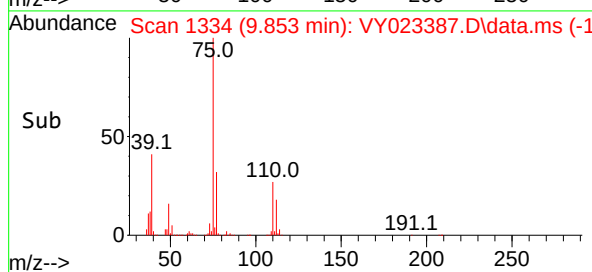
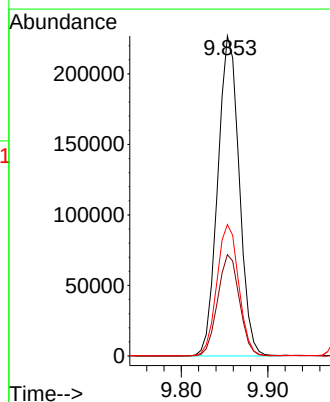
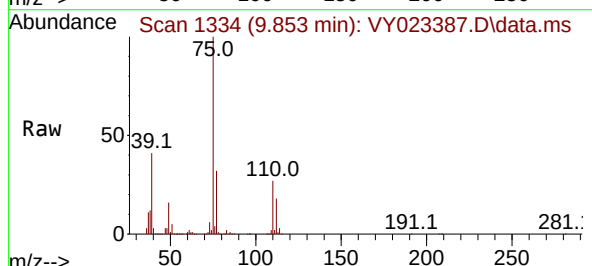
Manual Integrations  
APPROVED

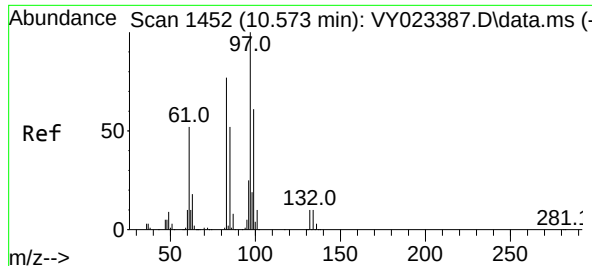
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#54  
cis-1,3-Dichloropropene  
Concen: 47.910 ug/l  
RT: 9.853 min Scan# 1334  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 390619  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.4 38.0  
39 41.0 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 47.296 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 198478

Ion Ratio Lower Upper

97 100

83 77.2 61.8 92.6

85 51.6 41.3 61.9

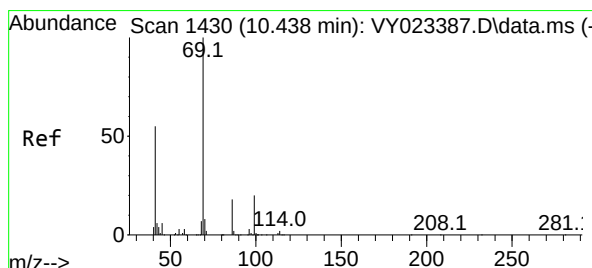
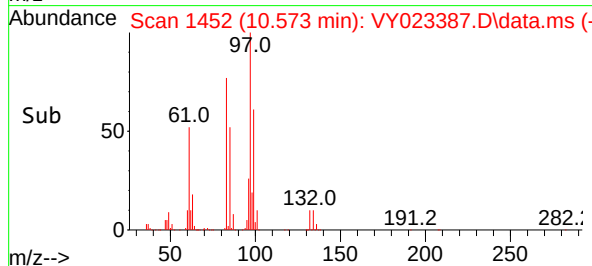
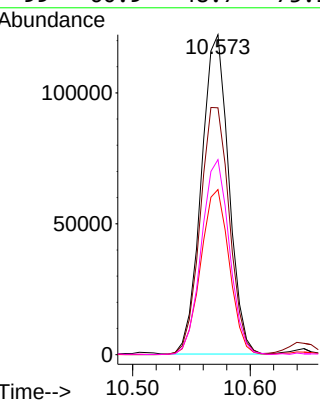
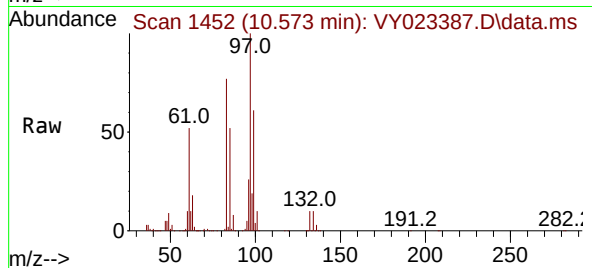
99 60.9 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#56

Ethyl methacrylate

Concen: 49.535 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

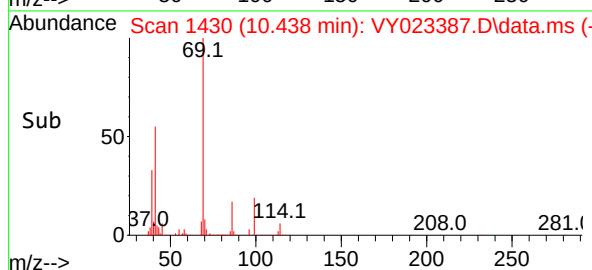
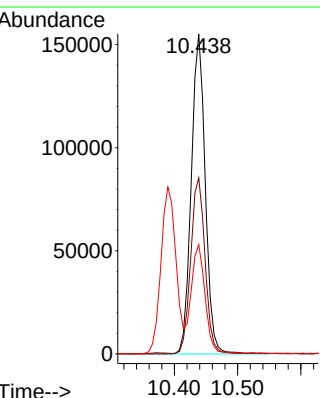
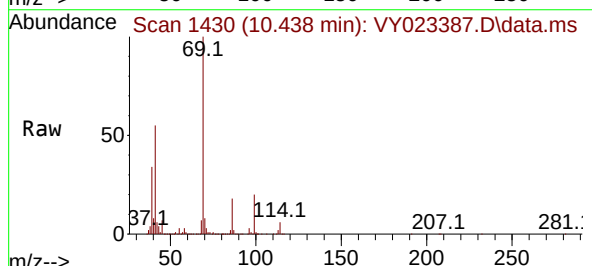
Tgt Ion: 69 Resp: 239407

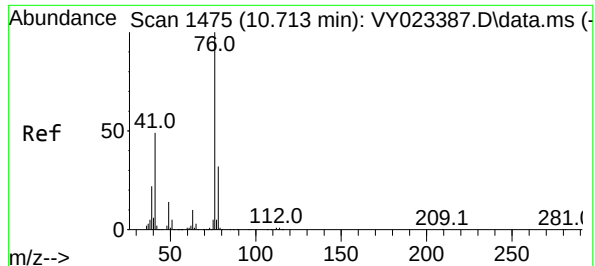
Ion Ratio Lower Upper

69 100

41 55.8 44.6 67.0

39 33.7 27.0 40.4





#57

1,3-Dichloropropane

Concen: 47.301 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 321270

Ion Ratio Lower Upper

76 100

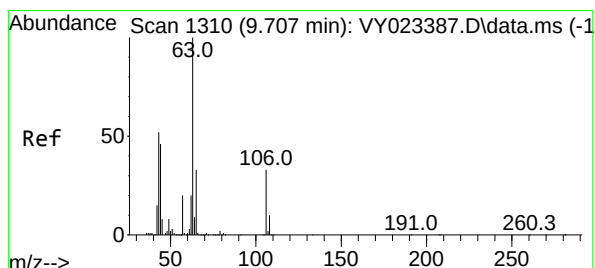
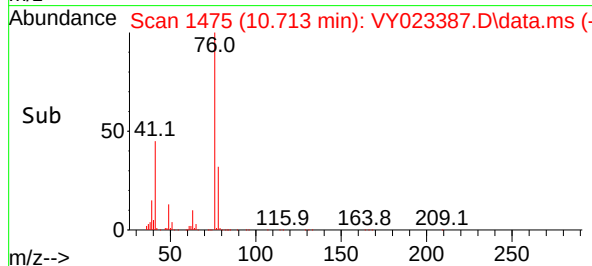
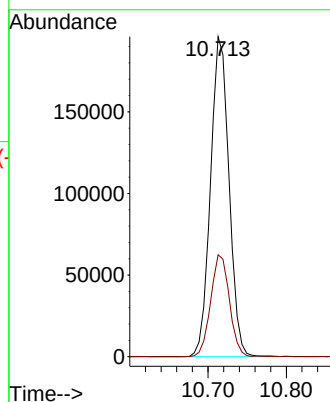
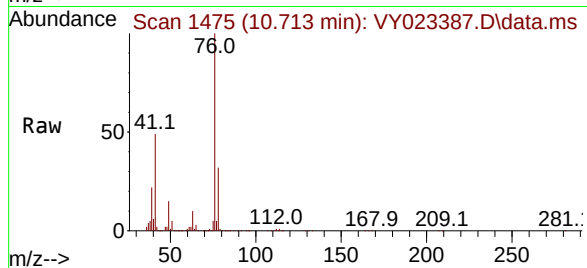
78 32.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#58

2-Chloroethyl Vinyl ether

Concen: 261.921 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023387.D

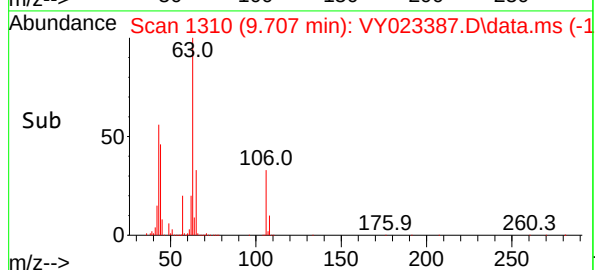
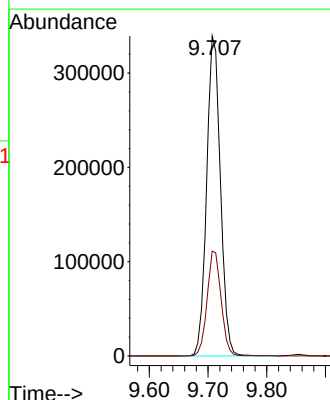
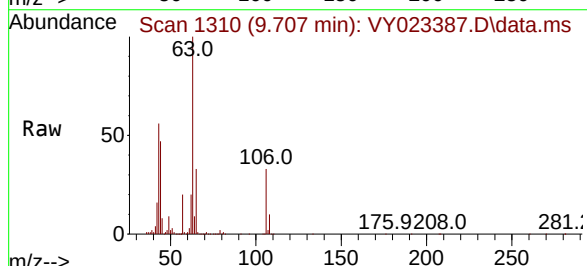
Acq: 07 Oct 2025 11:47

Tgt Ion: 63 Resp: 553816

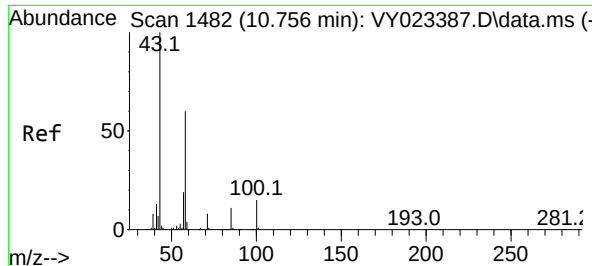
Ion Ratio Lower Upper

63 100

106 33.2 26.6 39.8







#59

2-Hexanone

Concen: 239.162 ug/l

RT: 10.756 min Scan# 1482

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 479600

Ion Ratio Lower Upper

43 100

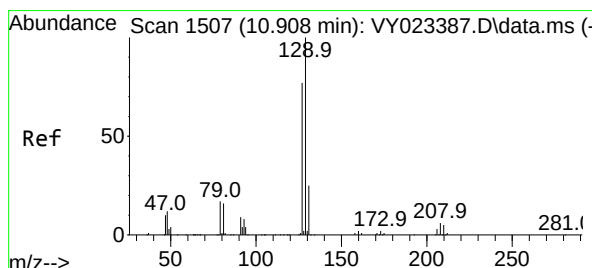
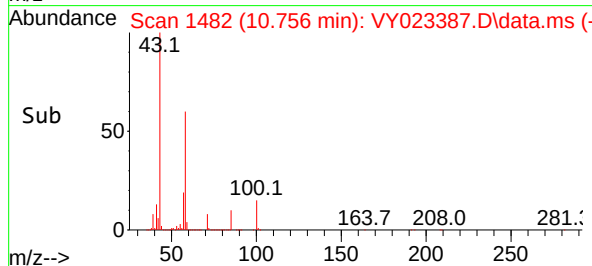
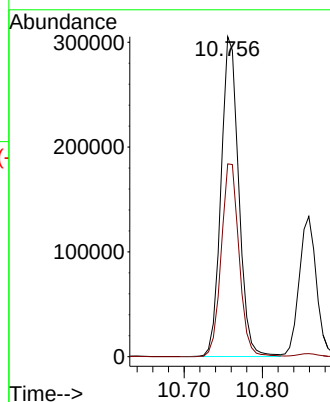
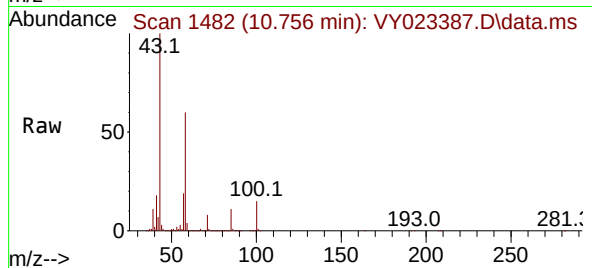
58 61.0 30.5 91.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#60

Dibromochloromethane

Concen: 49.103 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY023387.D

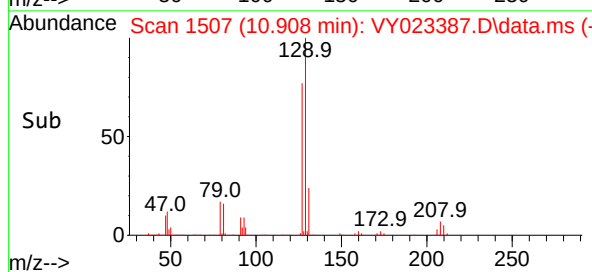
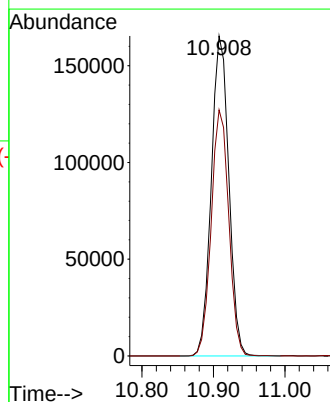
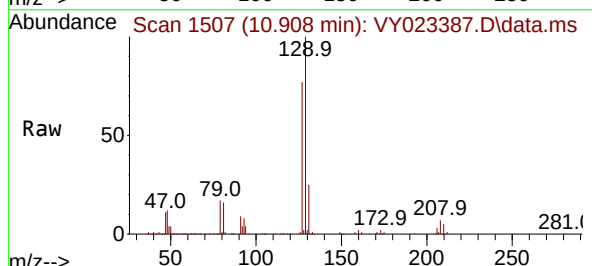
Acq: 07 Oct 2025 11:47

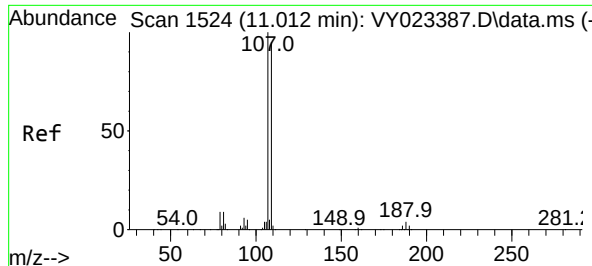
Tgt Ion:129 Resp: 281047

Ion Ratio Lower Upper

129 100

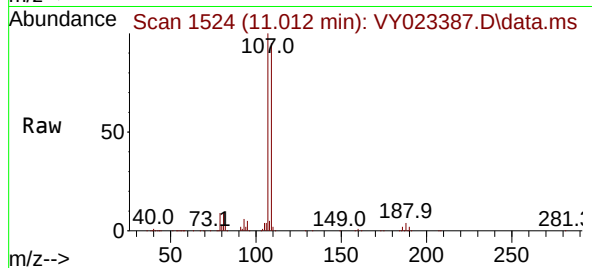
127 77.1 38.6 115.7





#61  
1,2-Dibromoethane  
Concen: 48.468 ug/l  
RT: 11.012 min Scan# 1524  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

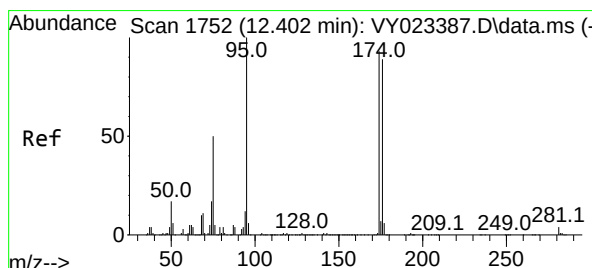
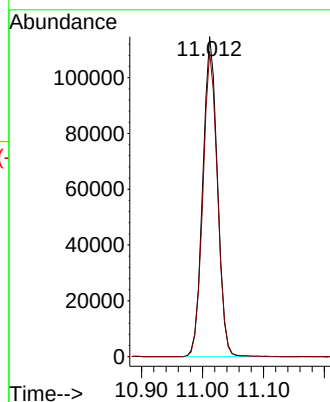
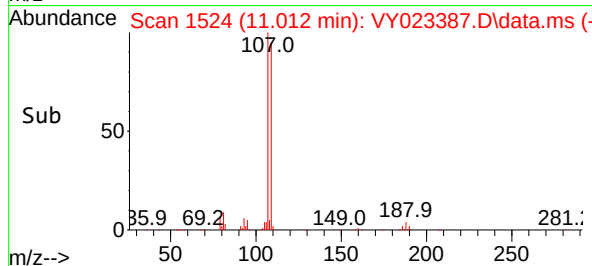
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050



Tgt Ion: 107 Resp: 191350  
Ion Ratio Lower Upper  
107 100  
109 95.1 76.1 114.1

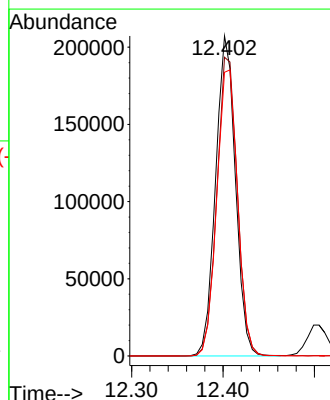
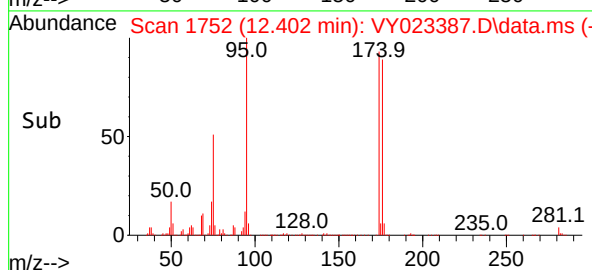
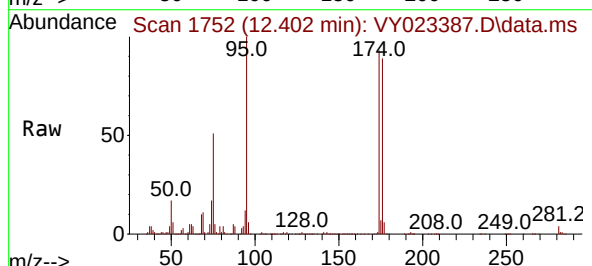
Manual Integrations  
APPROVED

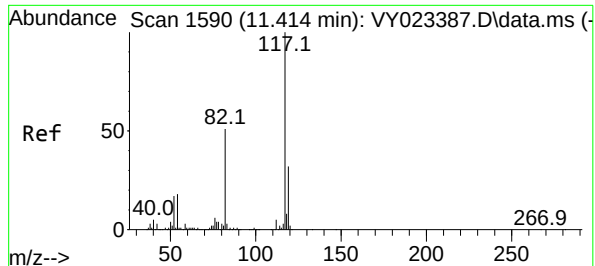
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#62  
4-Bromofluorobenzene  
Concen: 50.546 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

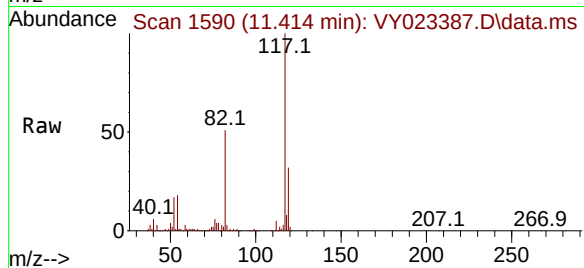
Tgt Ion: 95 Resp: 313426  
Ion Ratio Lower Upper  
95 100  
174 96.4 0.0 192.8  
176 93.8 0.0 187.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

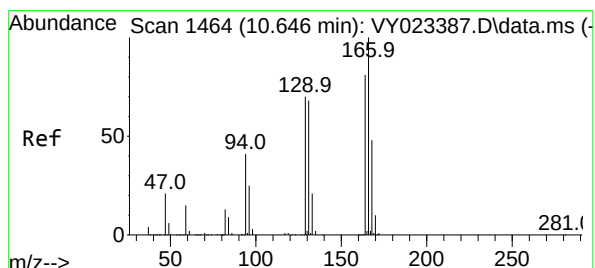
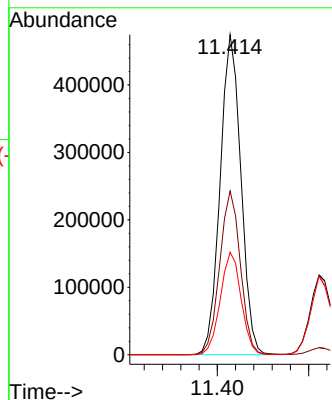
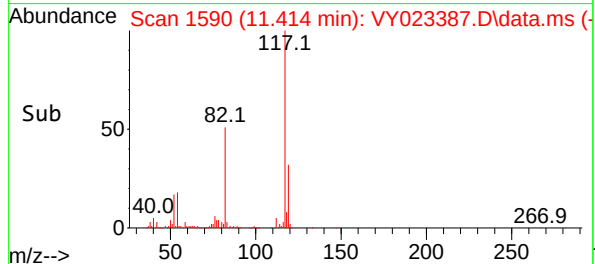
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050



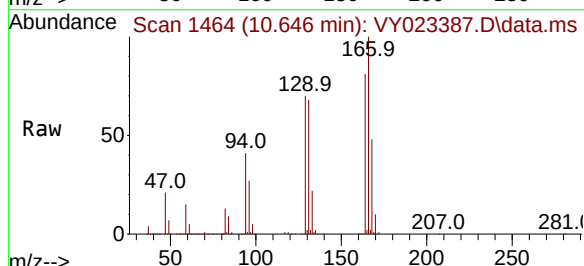
Tgt Ion:117 Resp: 749869  
Ion Ratio Lower Upper  
117 100  
82 51.2 41.0 61.4  
119 32.0 25.6 38.4

Manual Integrations  
APPROVED

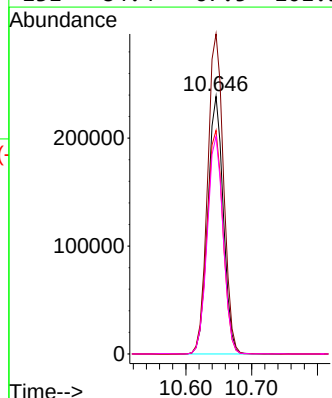
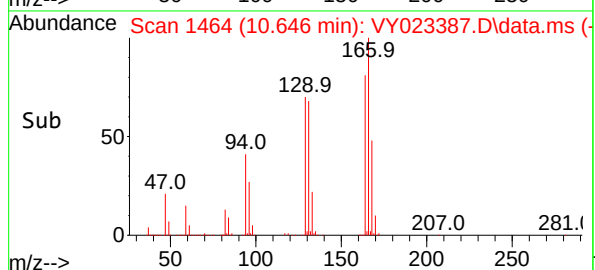
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

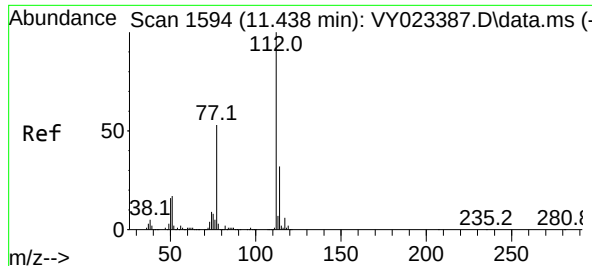


#64  
Tetrachloroethene  
Concen: 52.264 ug/l  
RT: 10.646 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47



Tgt Ion:164 Resp: 392056  
Ion Ratio Lower Upper  
164 100  
166 124.2 99.4 149.0  
129 86.8 69.4 104.2  
131 84.4 67.5 101.3





#65

Chlorobenzene

Concen: 48.460 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 789650

Ion Ratio Lower Upper

112 100

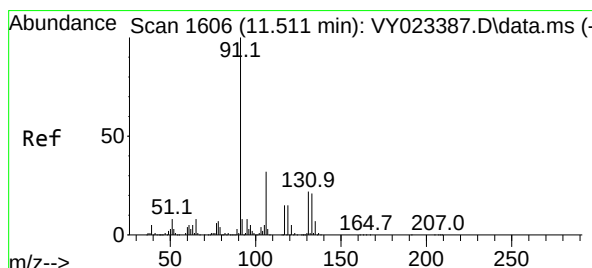
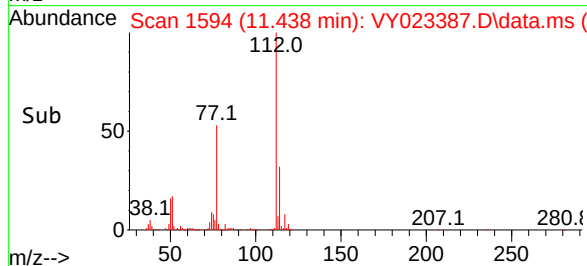
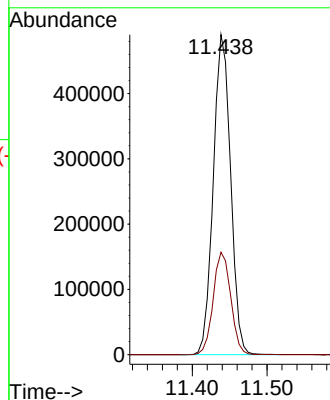
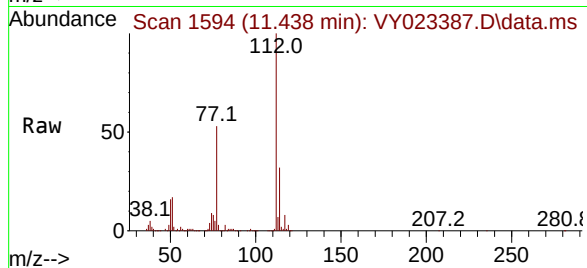
114 32.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 48.788 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

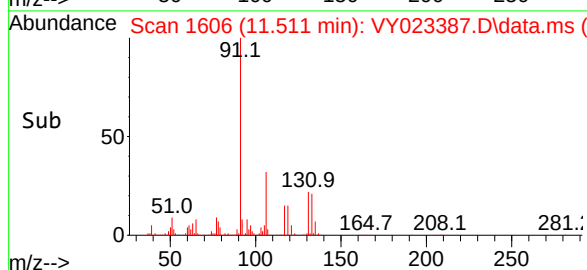
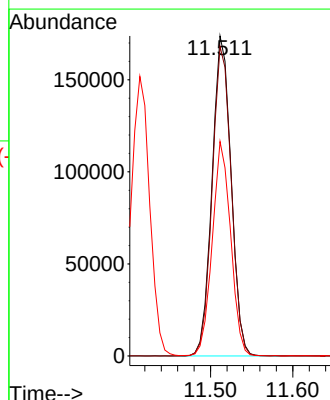
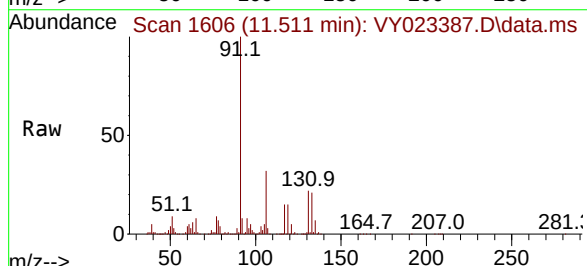
Tgt Ion:131 Resp: 279583

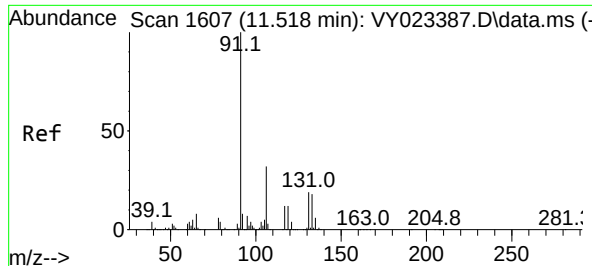
Ion Ratio Lower Upper

131 100

133 96.8 48.4 145.2

119 64.8 32.4 97.2





#67

Ethyl Benzene

Concen: 50.099 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 1332350

Ion Ratio Lower Upper

91 100

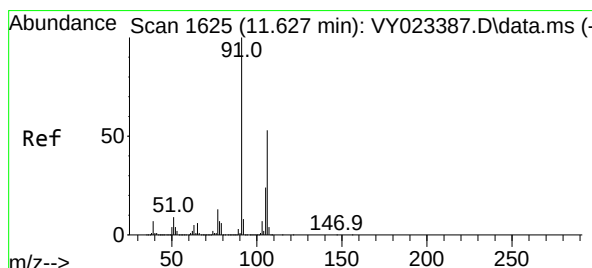
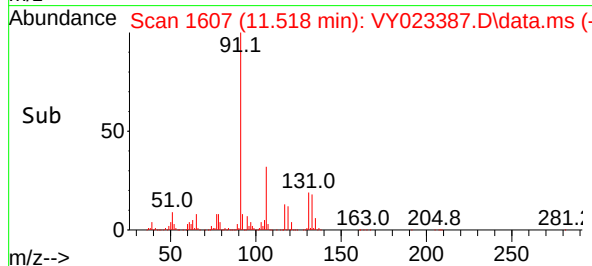
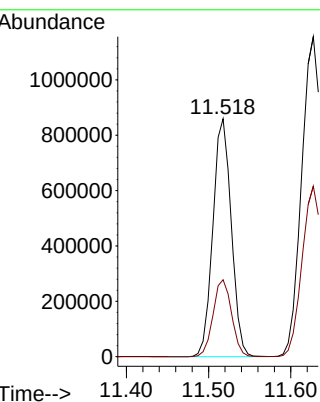
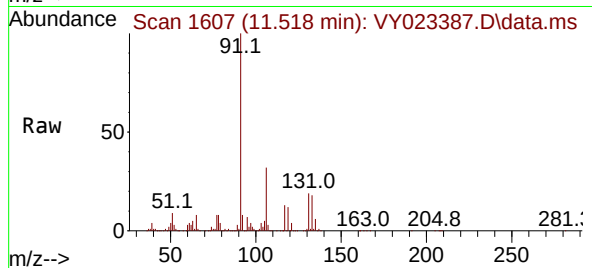
106 32.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#68

m/p-Xylenes

Concen: 101.092 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023387.D

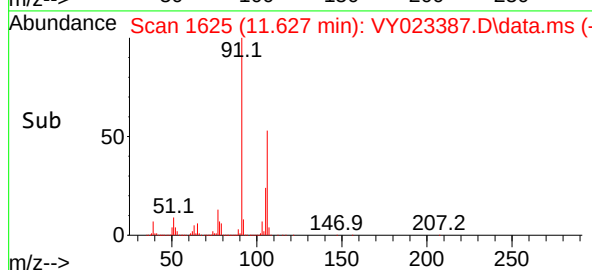
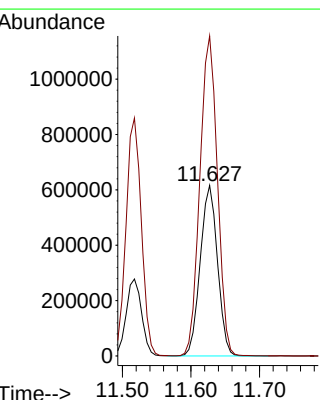
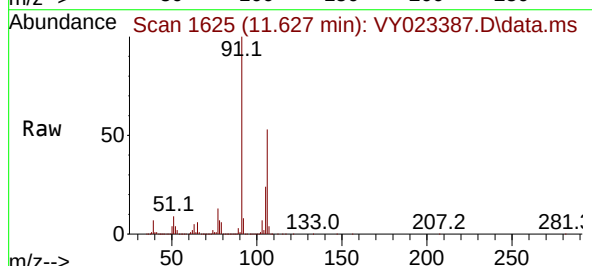
Acq: 07 Oct 2025 11:47

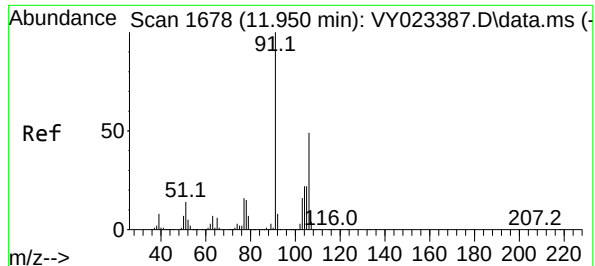
Tgt Ion:106 Resp: 1077583

Ion Ratio Lower Upper

106 100

91 190.8 152.6 229.0





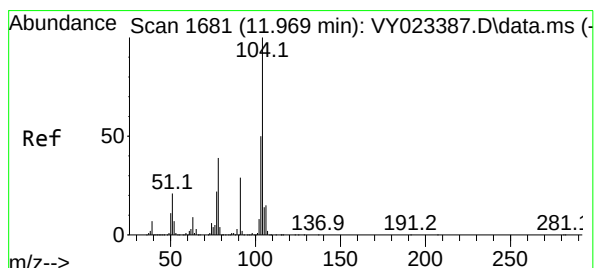
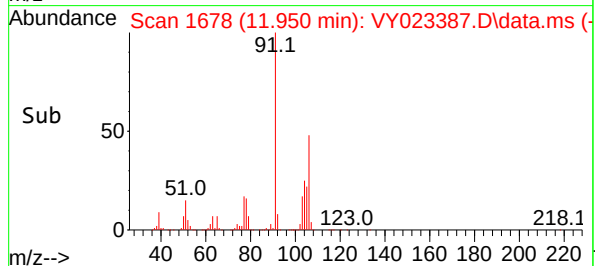
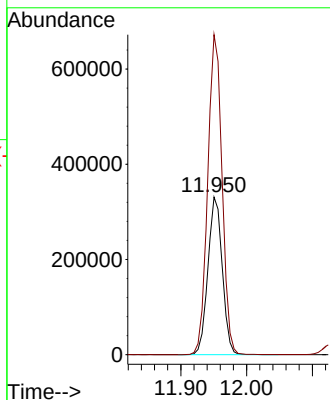
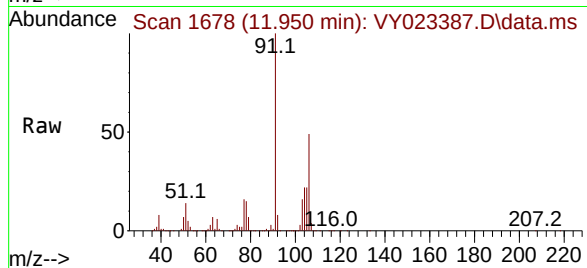
#69  
o-Xylene  
Concen: 50.946 ug/l  
RT: 11.950 min Scan# 1678  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050

Tgt Ion:106 Resp: 502722  
Ion Ratio Lower Upper  
106 100  
91 202.7 101.4 304.1

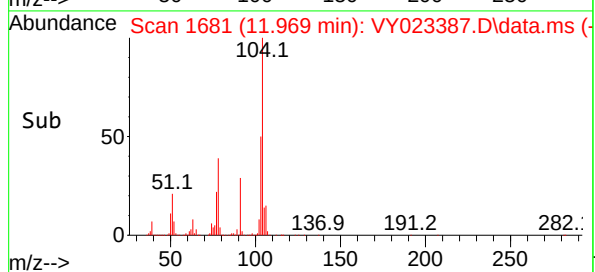
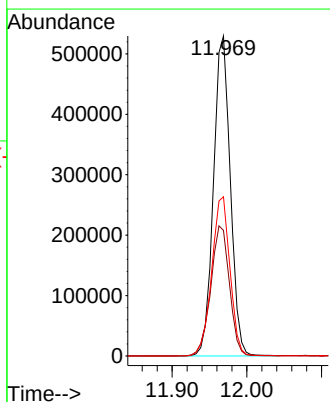
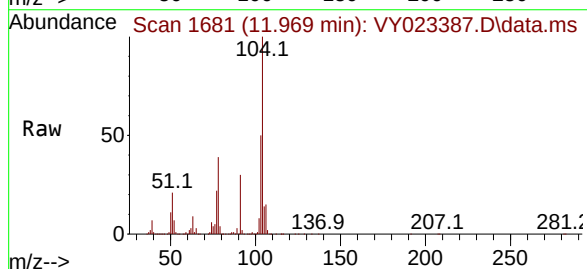
Manual Integrations  
APPROVED

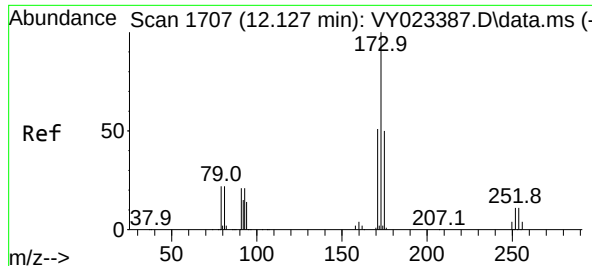
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#70  
Styrene  
Concen: 51.059 ug/l  
RT: 11.969 min Scan# 1681  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

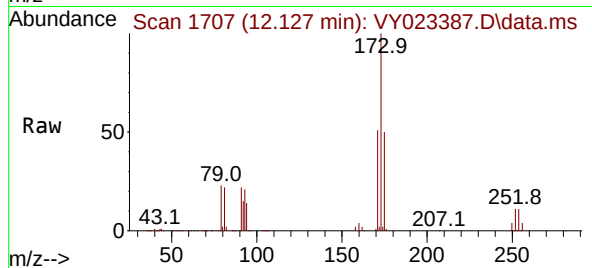
Tgt Ion:104 Resp: 831908  
Ion Ratio Lower Upper  
104 100  
78 45.1 36.1 54.1  
103 54.0 43.2 64.8





#71  
Bromoform  
Concen: 50.229 ug/l  
RT: 12.127 min Scan# 1707  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

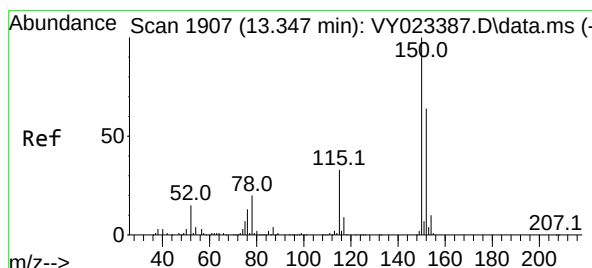
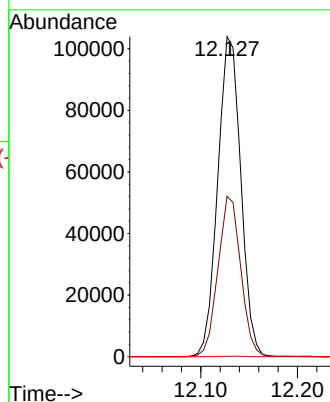
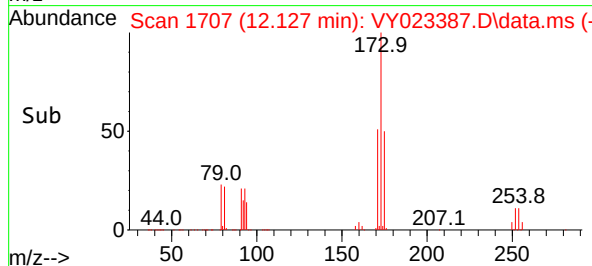
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050



Tgt Ion:173 Resp: 172315  
Ion Ratio Lower Upper  
173 100  
175 49.5 24.8 74.3  
254 0.1 0.1 0.1

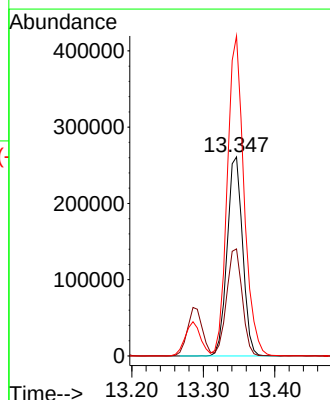
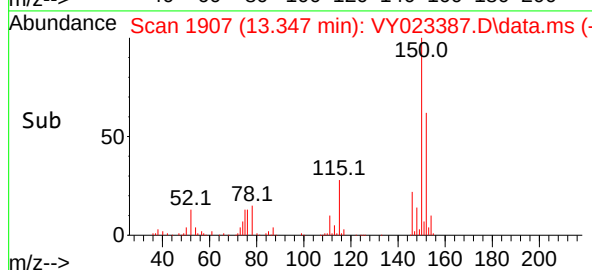
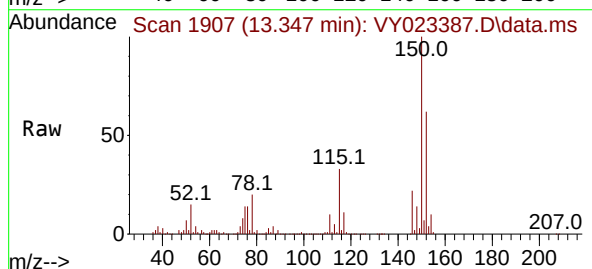
Manual Integrations  
APPROVED

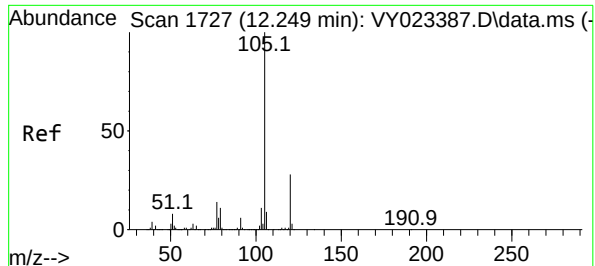
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

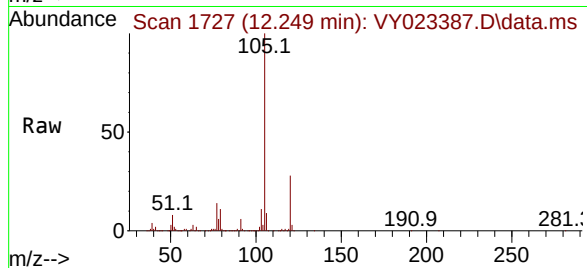
Tgt Ion:152 Resp: 392169  
Ion Ratio Lower Upper  
152 100  
115 54.1 27.1 81.2  
150 173.7 0.0 347.4





#73  
Isopropylbenzene  
Concen: 49.803 ug/l  
RT: 12.249 min Scan# 1727  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

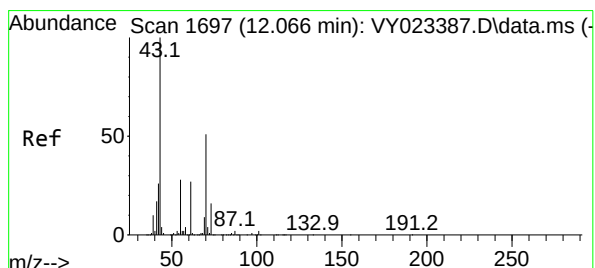
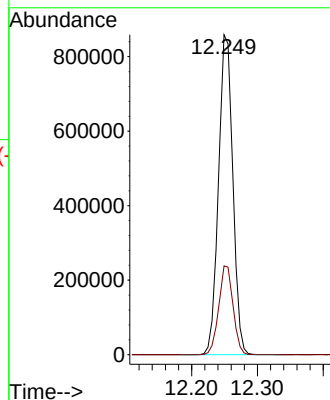
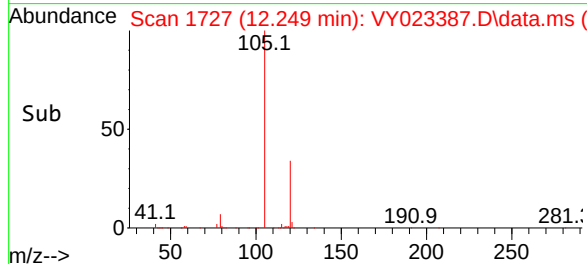
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050



Tgt Ion:105 Resp: 1301009  
Ion Ratio Lower Upper  
105 100  
120 27.8 13.9 41.7

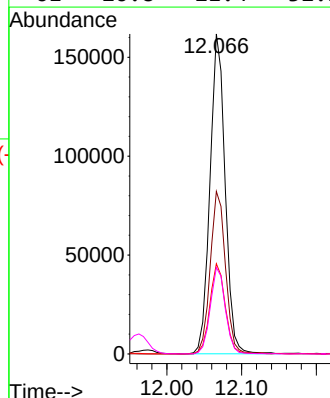
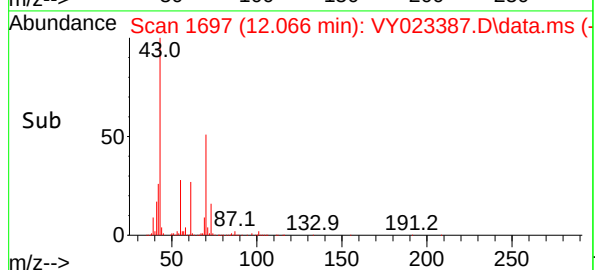
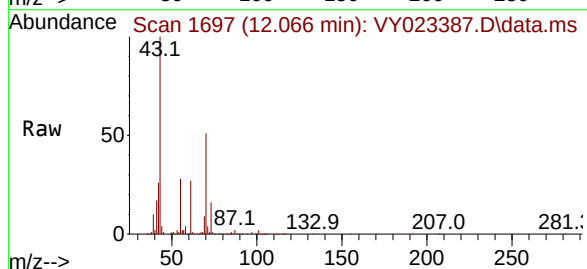
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

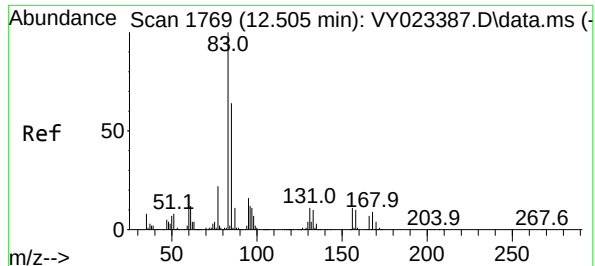


#74  
N-ethyl acetate  
Concen: 46.640 ug/l  
RT: 12.066 min Scan# 1697  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 227684  
Ion Ratio Lower Upper  
43 100  
70 51.4 41.1 61.7  
55 28.8 23.0 34.6  
61 26.8 21.4 32.2







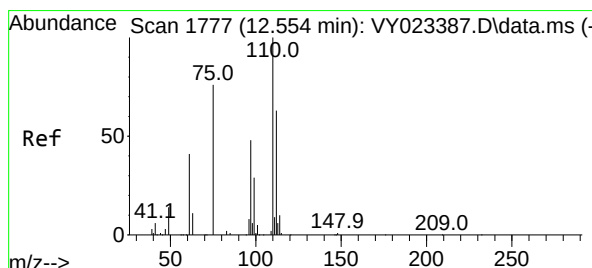
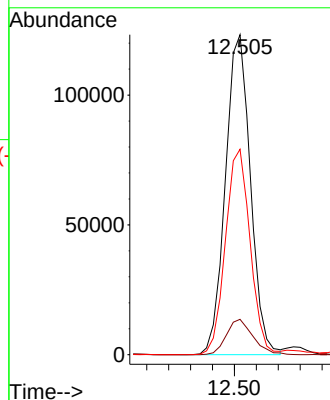
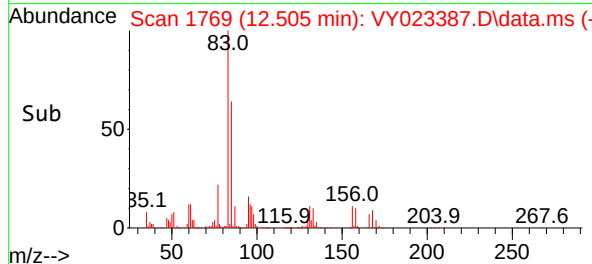
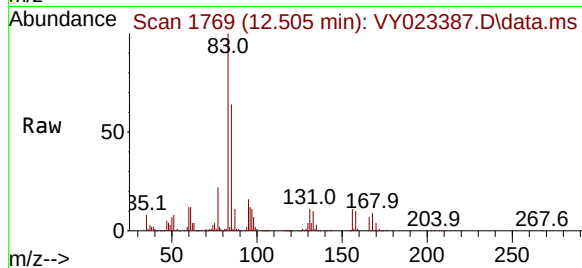
#75  
1,1,2-Tetrachloroethane  
Concen: 44.878 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 83 Resp: 19556  
Ion Ratio Lower Upper  
83 100  
131 11.7 5.9 17.6  
85 63.5 31.8 95.3

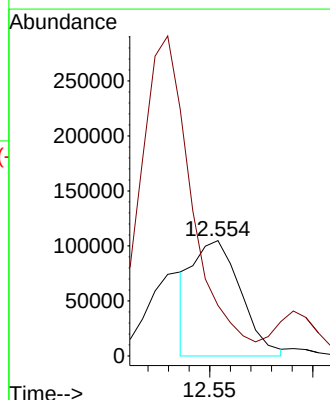
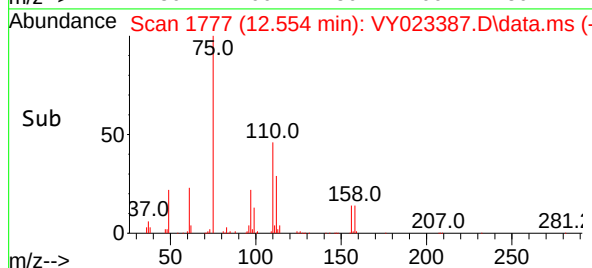
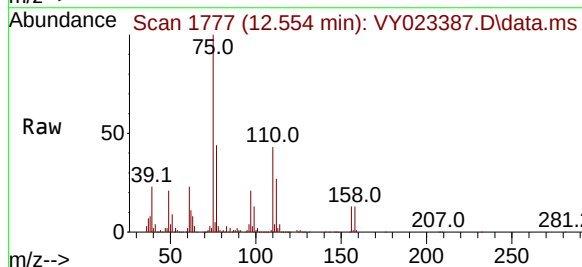
Manual Integrations  
APPROVED

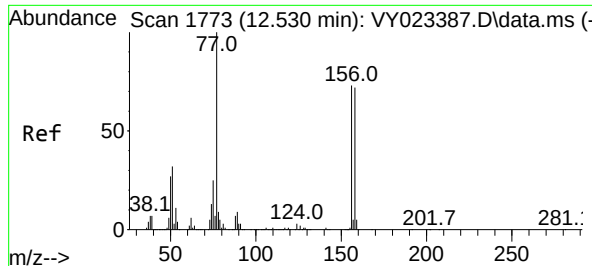
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#76  
1,2,3-Trichloropropane  
Concen: 43.898 ug/l m  
RT: 12.554 min Scan# 1777  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 169814  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





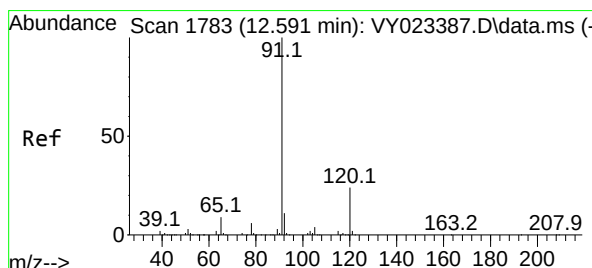
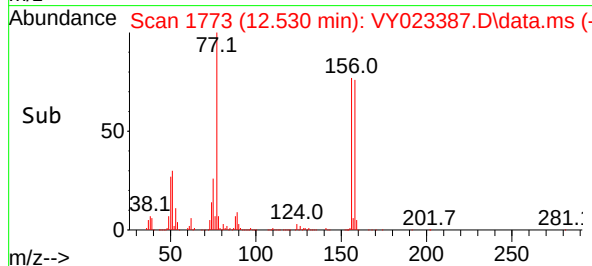
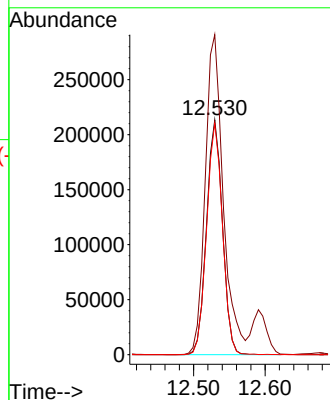
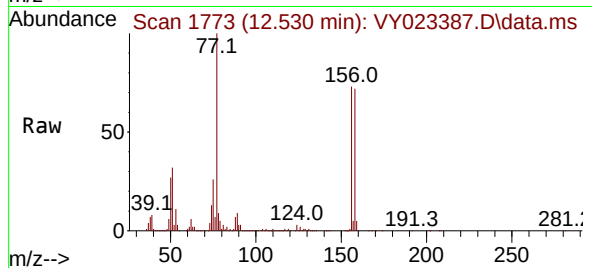
#77  
Bromobenzene  
Concen: 49.419 ug/l  
RT: 12.530 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050

Tgt Ion:156 Resp: 33133  
Ion Ratio Lower Upper  
156 100  
77 153.7 76.8 230.5  
158 98.1 49.0 147.2

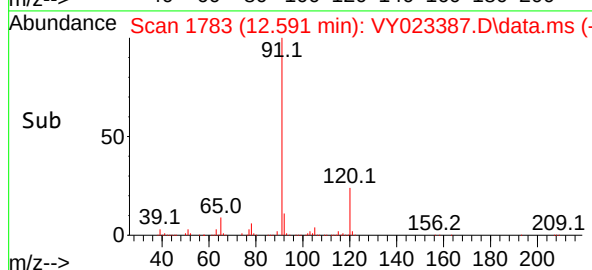
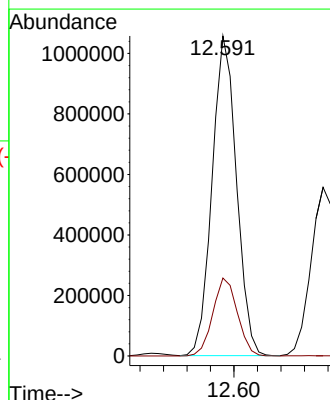
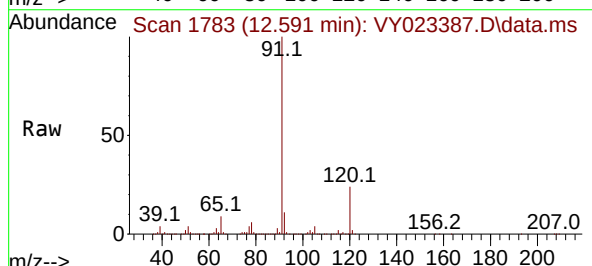
Manual Integrations  
APPROVED

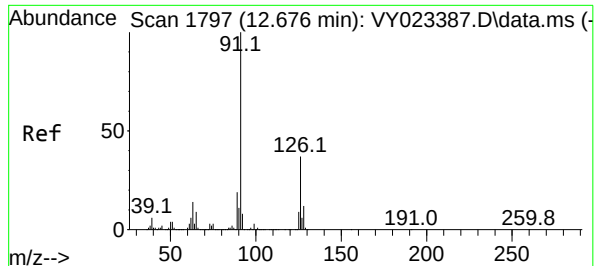
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#78  
n-propylbenzene  
Concen: 49.572 ug/l  
RT: 12.591 min Scan# 1783  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 1522965  
Ion Ratio Lower Upper  
91 100  
120 24.5 12.3 36.8





#79

2-Chlorotoluene

Concen: 49.235 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 87333

Ion Ratio Lower Upper

91 100

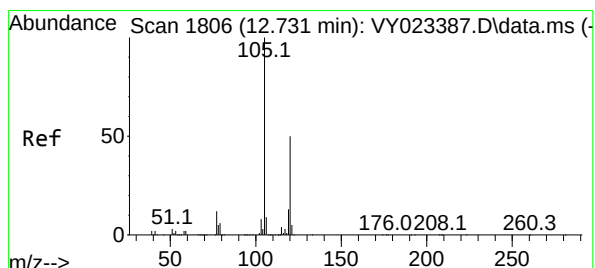
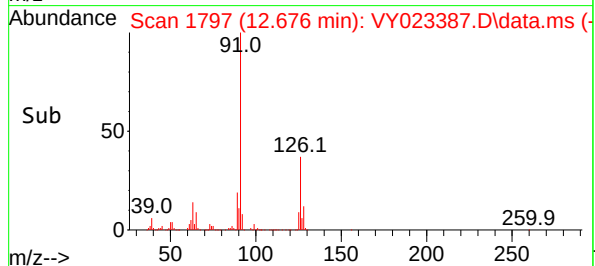
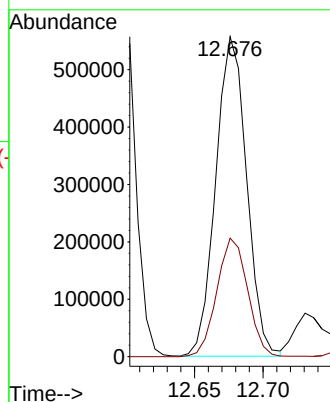
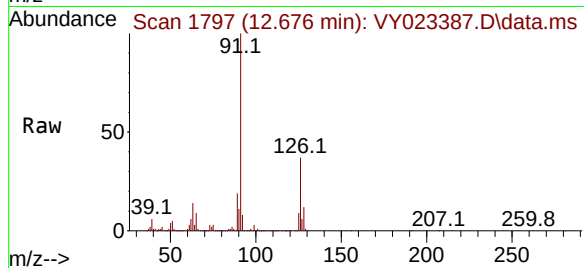
126 37.0 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 49.966 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023387.D

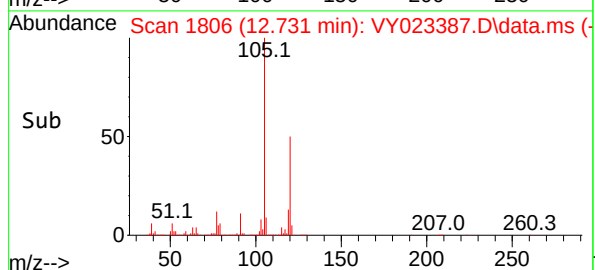
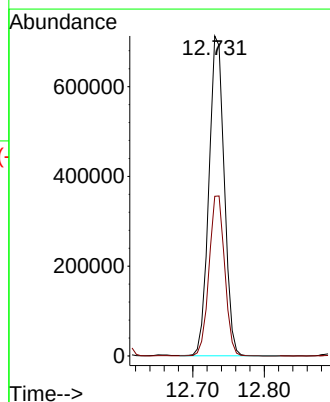
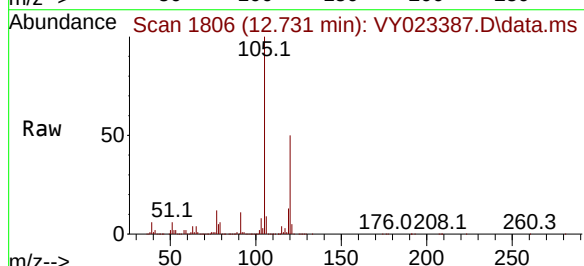
Acq: 07 Oct 2025 11:47

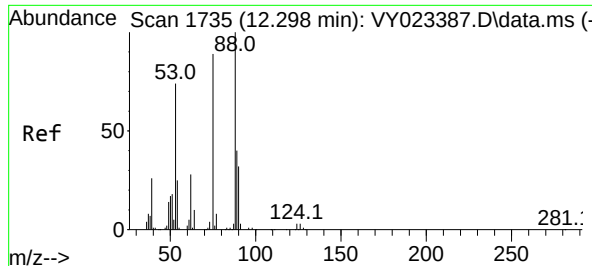
Tgt Ion:105 Resp: 1061112

Ion Ratio Lower Upper

105 100

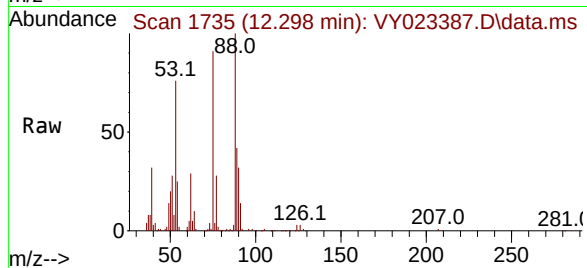
120 50.9 25.4 76.4





#81  
trans-1,4-Dichloro-2-butene  
Concen: 46.212 ug/l  
RT: 12.298 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

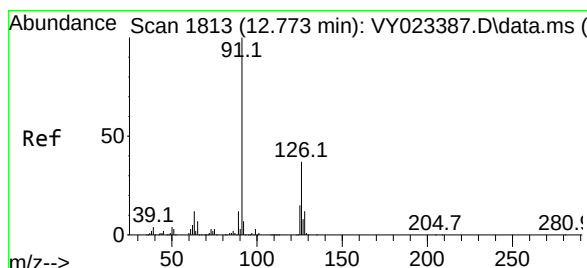
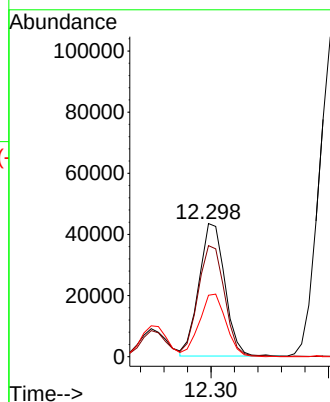
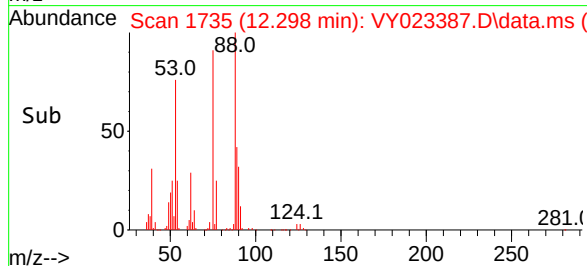
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050



Tgt Ion: 75 Resp: 66299  
Ion Ratio Lower Upper  
75 100  
53 85.7 68.6 102.8  
89 48.7 39.0 58.4

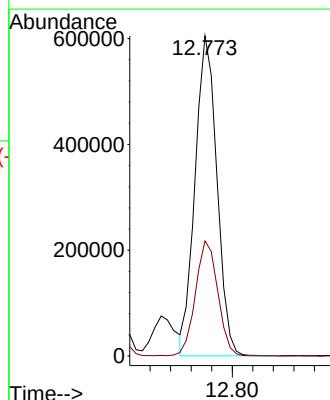
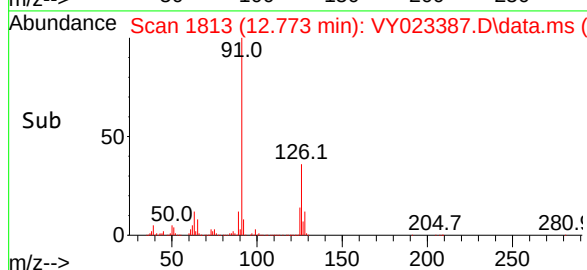
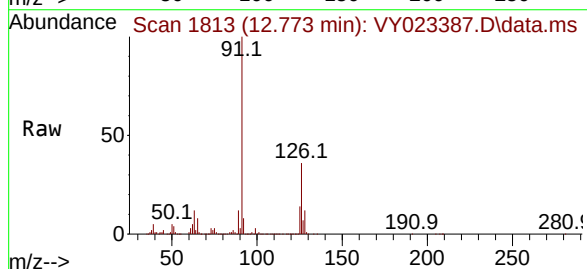
Manual Integrations  
APPROVED

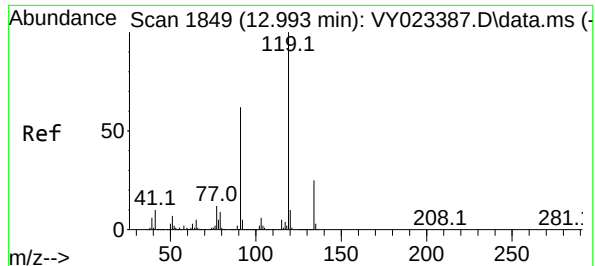
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#82  
4-Chlorotoluene  
Concen: 48.192 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 892764  
Ion Ratio Lower Upper  
91 100  
126 36.9 18.4 55.4





#83

tert-Butylbenzene

Concen: 51.104 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

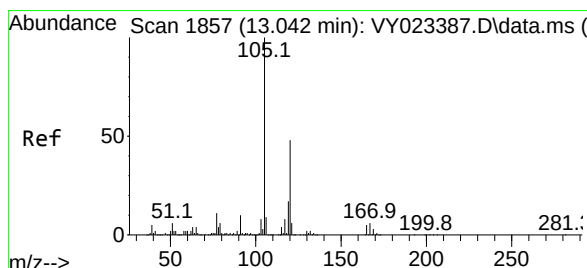
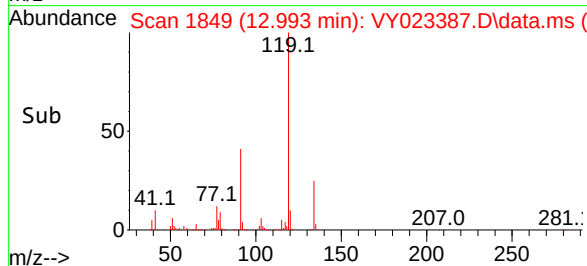
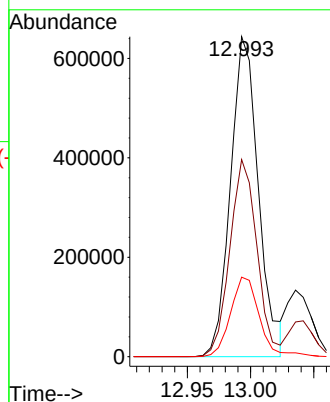
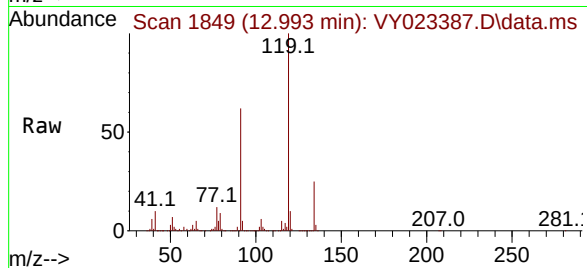
VSTDICCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 59.9  | 29.9  | 89.8  |
| 134     | 25.8  | 12.9  | 38.7  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#84

1,2,4-Trimethylbenzene

Concen: 50.505 ug/l

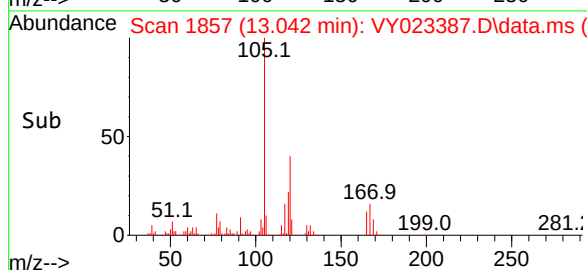
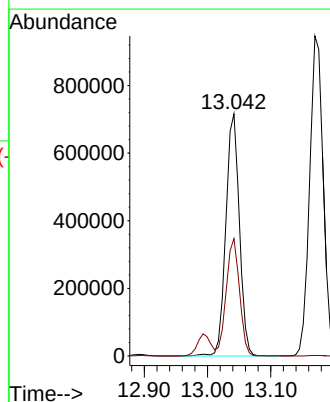
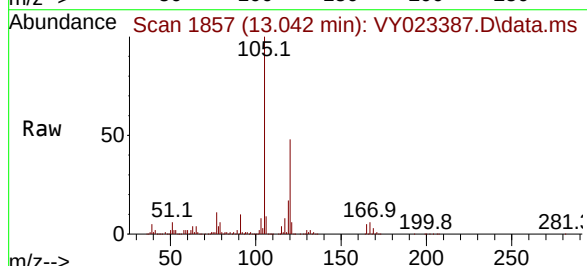
RT: 13.042 min Scan# 1857

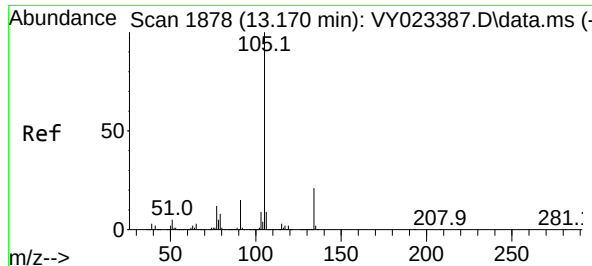
Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.5  | 23.8  | 71.2  |





#85

sec-Butylbenzene

Concen: 50.133 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 140500

Ion Ratio Lower Upper

105 100

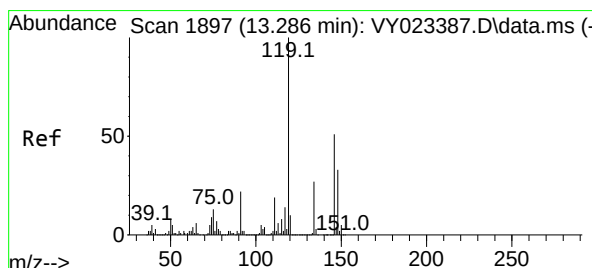
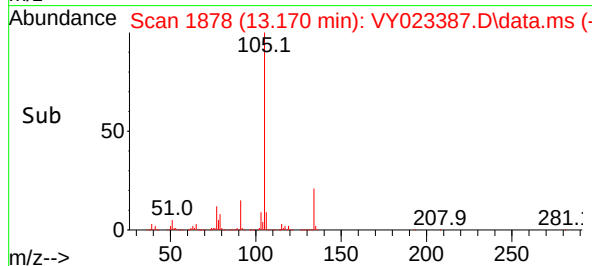
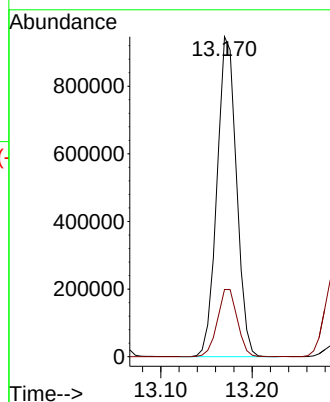
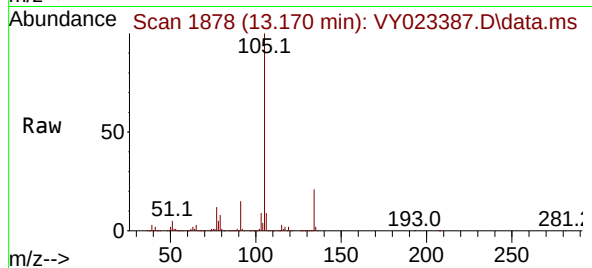
134 21.4 10.7 32.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#86

p-Isopropyltoluene

Concen: 51.115 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

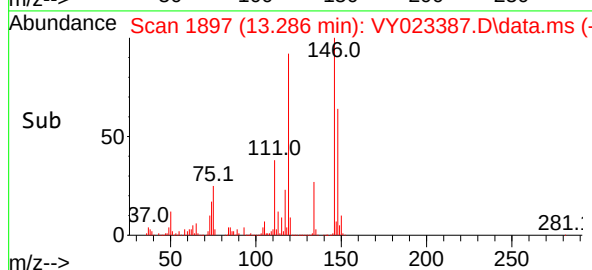
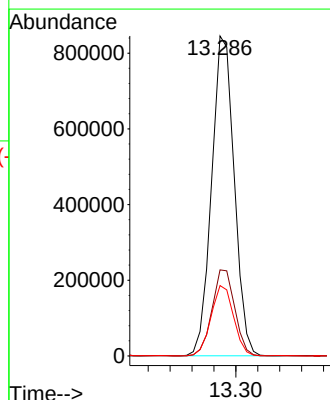
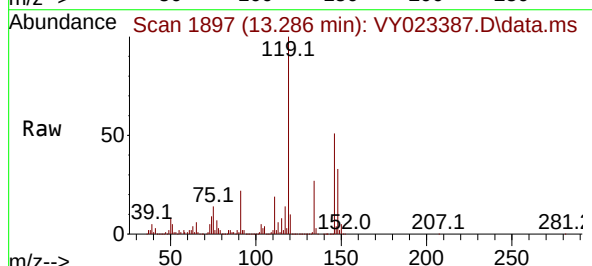
Tgt Ion:119 Resp: 1210644

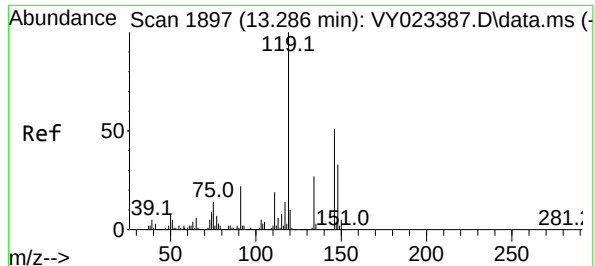
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 21.9 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 49.072 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 649899

Ion Ratio Lower Upper

146 100

111 37.4 18.7 56.1

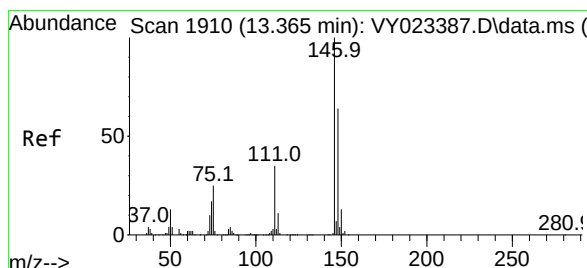
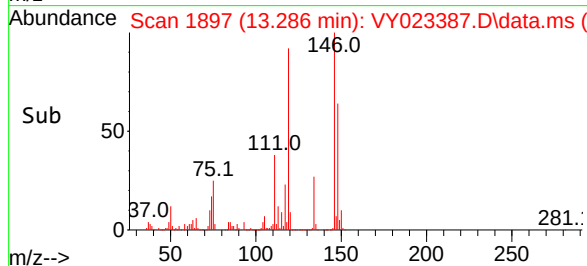
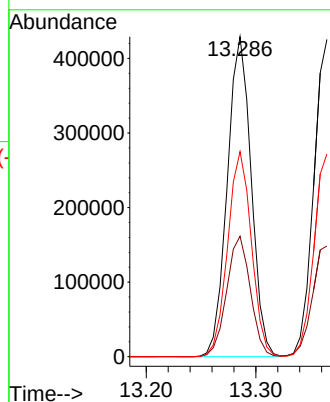
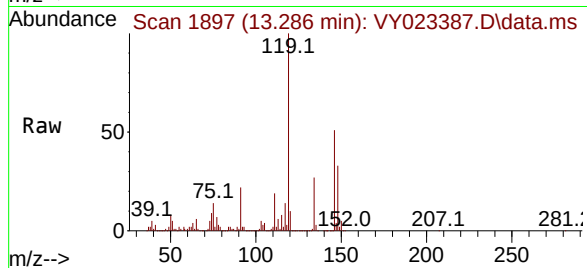
148 63.9 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#88

1,4-Dichlorobenzene

Concen: 48.476 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

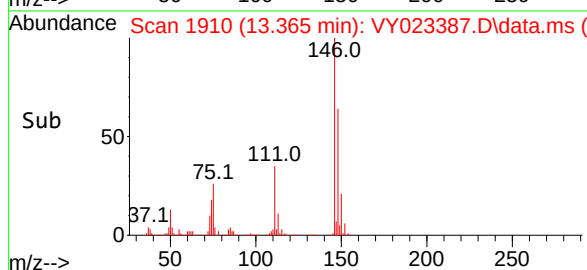
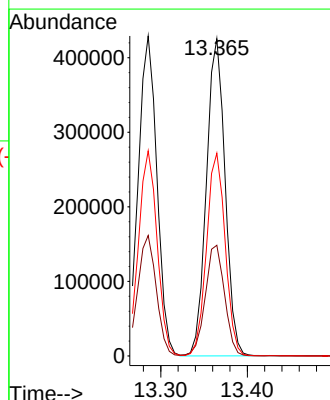
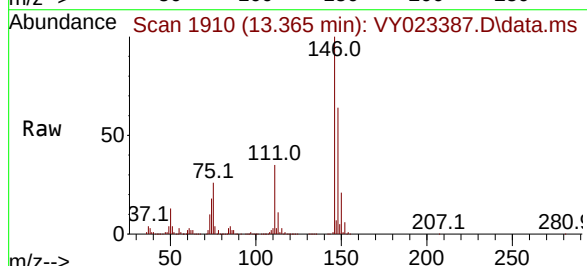
Tgt Ion:146 Resp: 636694

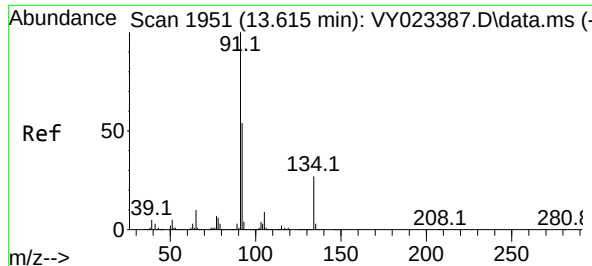
Ion Ratio Lower Upper

146 100

111 36.0 18.0 54.0

148 63.8 31.9 95.7





#89

n-Butylbenzene

Concen: 50.299 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 1051949

Ion Ratio Lower Upper

91 100

92 53.9 27.0 80.8

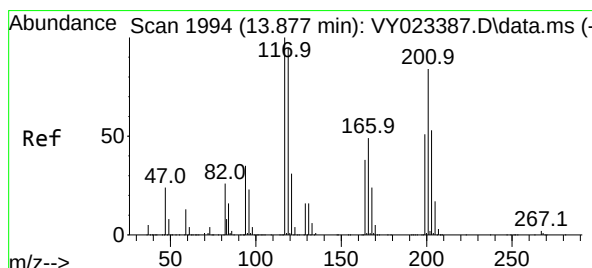
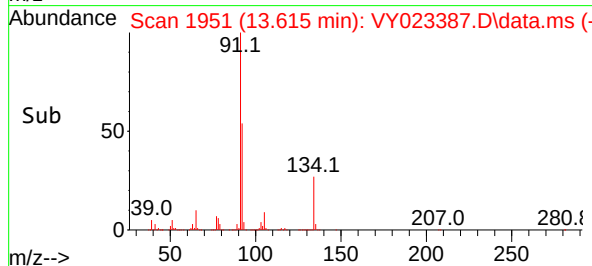
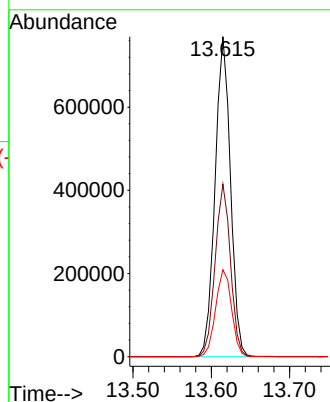
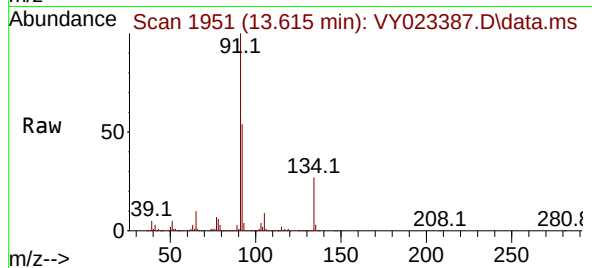
134 28.1 14.1 42.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#90

Hexachloroethane

Concen: 47.664 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023387.D

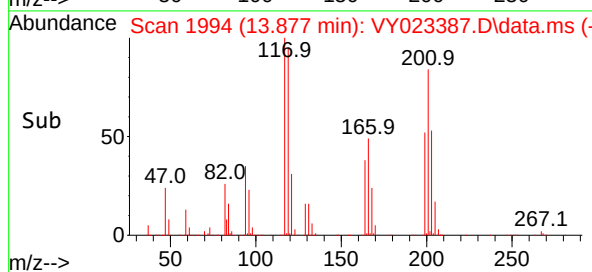
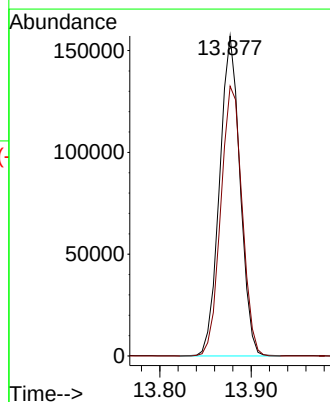
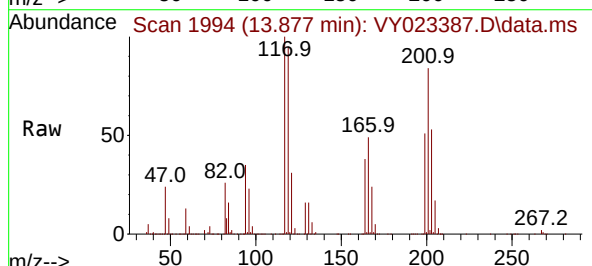
Acq: 07 Oct 2025 11:47

Tgt Ion:117 Resp: 245108

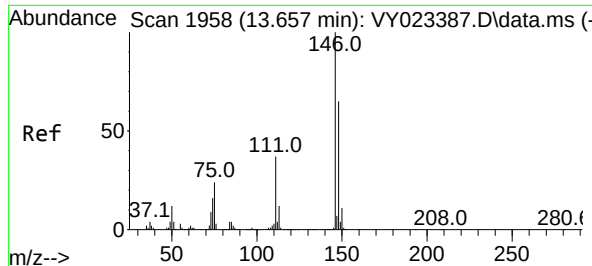
Ion Ratio Lower Upper

117 100

201 87.6 43.8 131.4

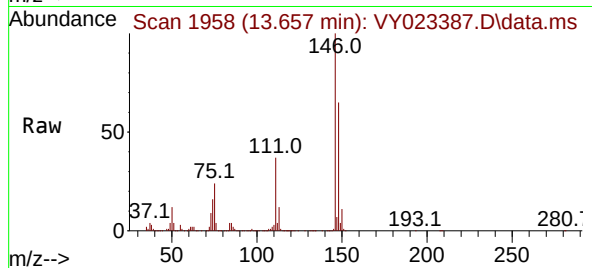






#91  
1,2-Dichlorobenzene  
Concen: 49.075 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

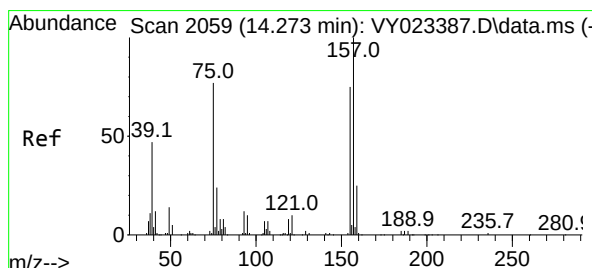
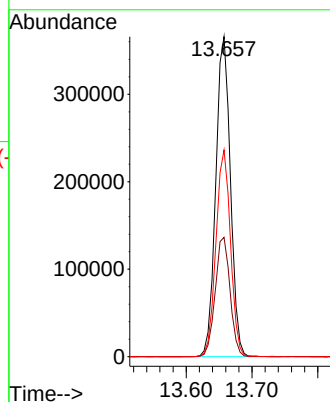
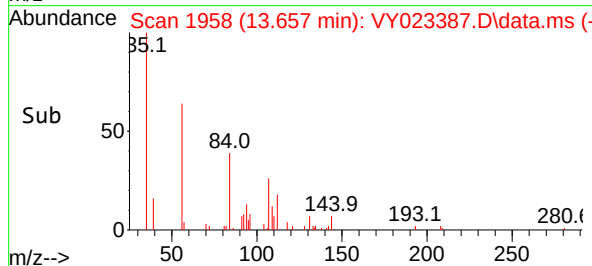
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050



Tgt Ion:146 Resp: 567114  
Ion Ratio Lower Upper  
146 100  
111 38.0 19.0 57.0  
148 64.2 32.1 96.3

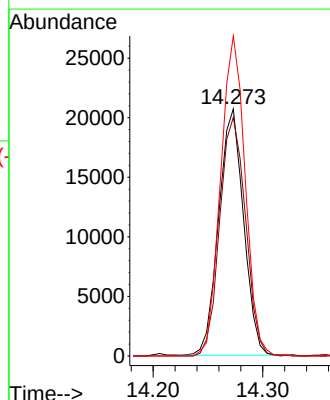
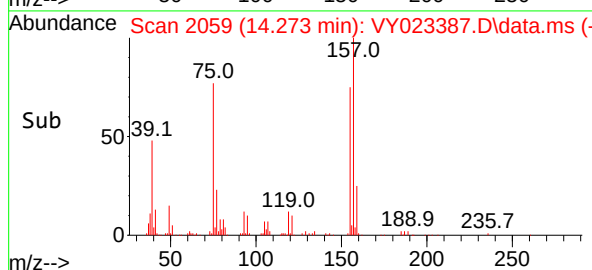
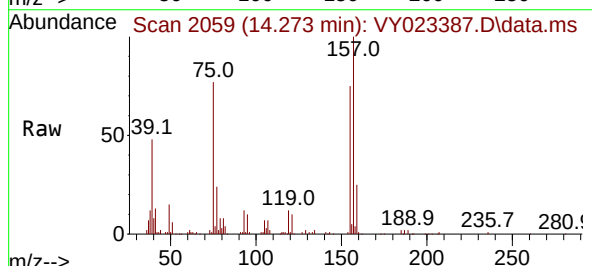
Manual Integrations  
APPROVED

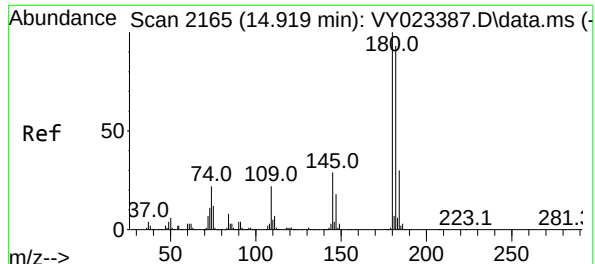
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 47.184 ug/l  
RT: 14.273 min Scan# 2059  
Delta R.T. 0.000 min  
Lab File: VY023387.D  
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 32585  
Ion Ratio Lower Upper  
75 100  
155 100.0 50.0 150.0  
157 127.7 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 52.852 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 35983

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.6

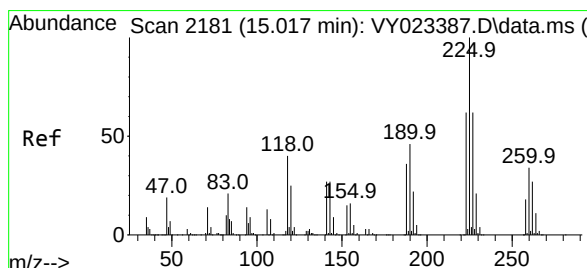
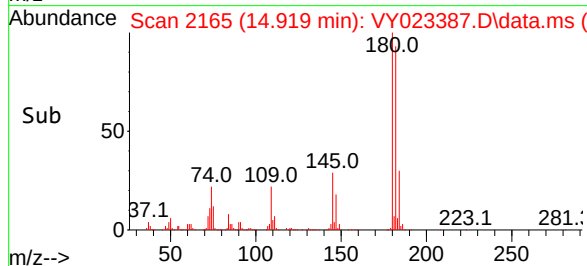
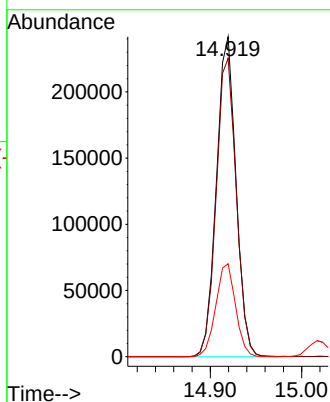
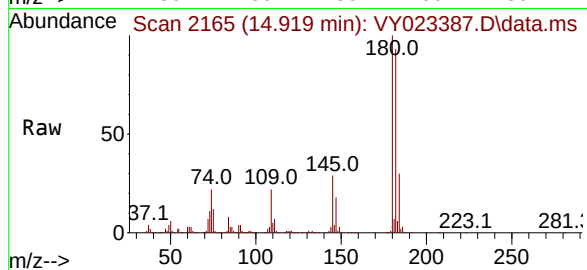
145 29.4 14.7 44.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#94

Hexachlorobutadiene

Concen: 53.346 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

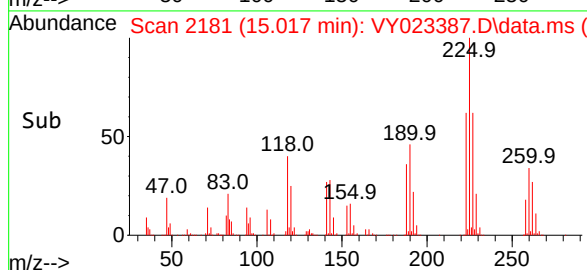
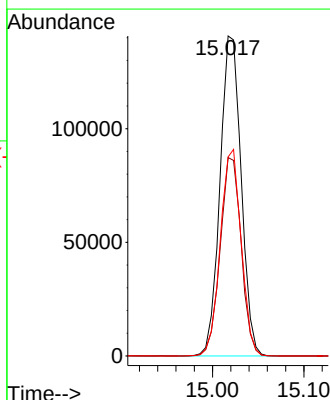
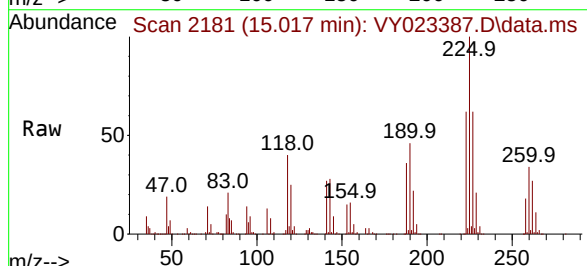
Tgt Ion:225 Resp: 226316

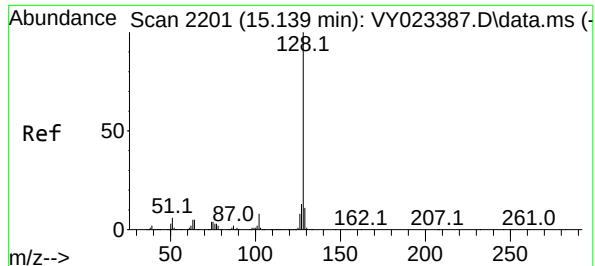
Ion Ratio Lower Upper

225 100

223 61.5 30.8 92.3

227 63.8 31.9 95.7





#95

Naphthalene

Concen: 53.012 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA\_Y

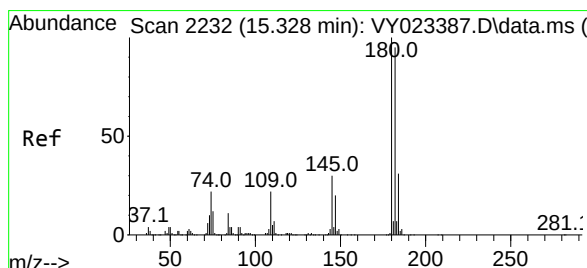
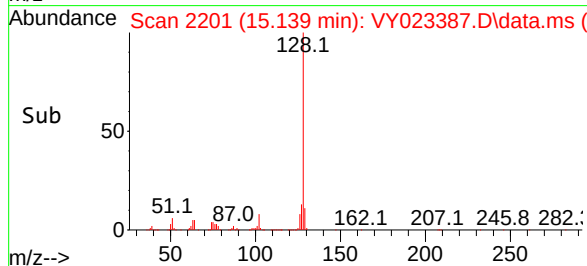
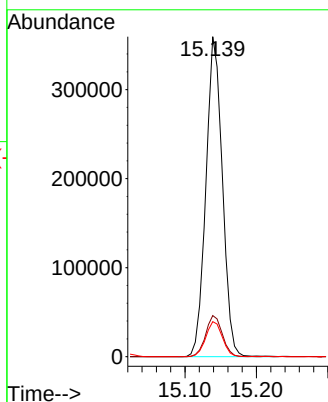
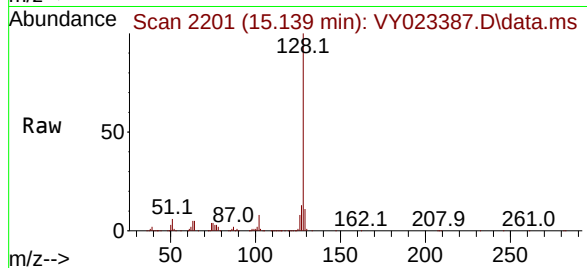
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 575044 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.0  | 10.4  | 15.6   |
| 129      | 11.1  | 8.9   | 13.3   |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#96

1,2,3-Trichlorobenzene

Concen: 52.628 ug/l

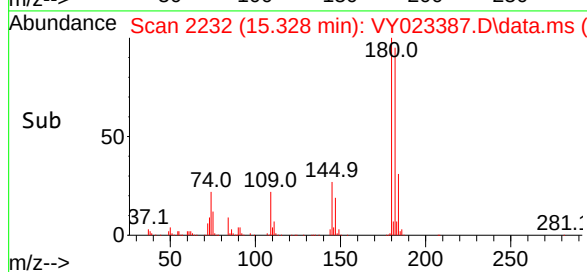
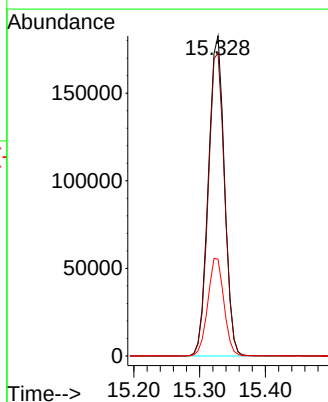
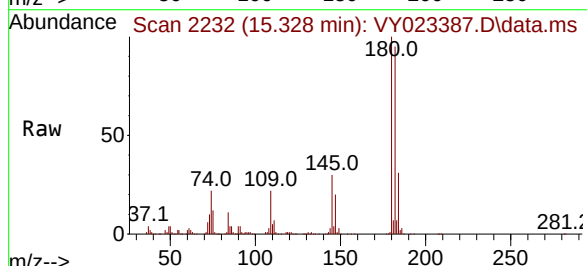
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 310831 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.9  | 47.9  | 143.8  |
| 145      | 30.6  | 15.3  | 45.9   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023388.D  
 Acq On : 07 Oct 2025 12:09  
 Operator : SY/MD  
 Sample : VSTDICC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC100

Quant Time: Oct 08 04:44:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 7.707          | 168  | 595770               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 855682               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 764361               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.340         | 152  | 400285               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 467005               | 90.510  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 181.020%# |         |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 511478               | 98.497  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 197.000%# |         |        |          |
| 50) Toluene-d8               | 10.103         | 98   | 1919872              | 98.031  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 196.060%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.401         | 95   | 636435               | 103.007 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 206.020%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 368985               | 78.627  | ug/l   | 96       |
| 3) Chloromethane             | 2.068          | 50   | 521606               | 78.195  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.202          | 62   | 711235               | 84.438  | ug/l   | 100      |
| 5) Bromomethane              | 2.586          | 94   | 574957               | 83.210  | ug/l   | 99       |
| 6) Chloroethane              | 2.732          | 64   | 491625               | 85.968  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.049          | 101  | 1012851              | 93.610  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.452          | 74   | 266779               | 94.266  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 3.812          | 101  | 511482               | 88.441  | ug/l   | 100      |
| 10) Methyl Iodide            | 4.001          | 142  | 651575               | 97.495  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.866          | 59   | 172718               | 568.898 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 3.787          | 96   | 508059               | 91.303  | ug/l   | 96       |
| 13) Acrolein                 | 3.647          | 56   | 262636               | 510.573 | ug/l   | 99       |
| 14) Allyl chloride           | 4.378          | 41   | 637073               | 91.446  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.055          | 53   | 522511               | 471.296 | ug/l   | 100      |
| 16) Acetone                  | 3.866          | 43   | 504700               | 435.004 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.104          | 76   | 1442005              | 83.061  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.385          | 43   | 316911               | 107.474 | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 1300206              | 99.797  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.610          | 84   | 552018               | 87.742  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.110          | 96   | 569334               | 91.999  | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.018          | 45   | 1423347              | 92.133  | ug/l   | 97       |
| 23) Vinyl Acetate            | 5.957          | 43   | 3975052              | 468.098 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 911619               | 89.517  | ug/l   | 99       |
| 25) 2-Butanone               | 6.890          | 43   | 685693               | 478.154 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 6.884          | 77   | 833452               | 92.108  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 670773               | 95.557  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.244          | 49   | 321657               | 81.418  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 415867               | 488.587 | ug/l   | 99       |
| 30) Chloroform               | 7.421          | 83   | 1003722              | 91.401  | ug/l   | 100      |
| 31) Cyclohexane              | 7.701          | 56   | 767083               | 85.293  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 910837               | 92.399  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 692477               | 94.516  | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.982          | 43   | 280560               | 96.859  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 833170               | 97.894  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.109          | 83   | 947664               | 101.024 | ug/l   | 99       |
| 40) Benzene                  | 8.079          | 78   | 2192645              | 96.000  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023388.D  
 Acq On : 07 Oct 2025 12:09  
 Operator : SY/MD  
 Sample : VSTDICC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## ClientSampleId :

VSTDICC100

## Manual Integrations

## APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:44:07 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 08 04:39:16 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.219  | 41   | 152239   | 101.200  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 554810   | 95.449   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.195  | 43   | 573653   | 101.815  | ug/l   | 99       |
| 44) Trichloroethene           | 8.866  | 130  | 636149   | 99.245   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 485084   | 94.381   | ug/l   | 99       |
| 46) Dibromomethane            | 9.231  | 93   | 309964   | 98.596   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.420  | 83   | 769238   | 97.210   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.219  | 41   | 282582   | 107.476  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 77305    | 2374.722 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 9.993  | 43   | 1539324  | 533.386  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 1462927  | 100.905  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 710475   | 104.537  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 822967   | 101.302  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 417623   | 99.875   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 549366   | 114.077  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 670961   | 99.140   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 1240361  | 588.731  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.755 | 43   | 1081568  | 541.284  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.908 | 129  | 593878   | 104.133  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.011 | 107  | 406293   | 103.280  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 767753   | 100.406  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.438 | 112  | 1655143  | 99.649   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131  | 586878   | 100.470  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.517 | 91   | 2788252  | 102.856  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.627 | 106  | 2243033  | 206.437  | ug/l   | 100      |
| 69) o-Xylene                  | 11.950 | 106  | 1072335  | 106.611  | ug/l   | 99       |
| 70) Styrene                   | 11.969 | 104  | 1782757  | 107.344  | ug/l   | 100      |
| 71) Bromoform                 | 12.127 | 173  | 373208   | 106.727  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.249 | 105  | 2741698  | 102.825  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.066 | 43   | 532255   | 106.818  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 434720   | 97.735   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 364622m  | 92.345   | ug/l   |          |
| 77) Bromobenzene              | 12.529 | 156  | 701741   | 102.545  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.590 | 91   | 3165894  | 100.958  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 1800124  | 99.426   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.731 | 105  | 2219080  | 102.374  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75   | 148302   | 101.273  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 1854165  | 98.060   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.993 | 119  | 2028198  | 102.684  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 2227197  | 103.853  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.170 | 105  | 2932949  | 102.530  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.285 | 119  | 2548220  | 105.408  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 1361716  | 100.735  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 1323618  | 98.734   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.615 | 91   | 2223744  | 104.174  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 514746   | 98.069   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 1193043  | 101.146  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.267 | 75   | 70107    | 99.458   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 806328   | 116.031  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.017 | 225  | 470072   | 108.557  | ug/l   | 99       |
| 95) Naphthalene               | 15.139 | 128  | 1378291  | 124.485  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.322 | 180  | 693477   | 115.034  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023388.D  
Acq On : 07 Oct 2025 12:09  
Operator : SY/MD  
Sample : VSTDICC100  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:44:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 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\_Y\Data\VY100725\  
 Data File : VY023388.D  
 Acq On : 07 Oct 2025 12:09  
 Operator : SY/MD  
 Sample : VSTDICC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## ClientSampleId :

VSTDICC100

## Manual Integrations

## APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

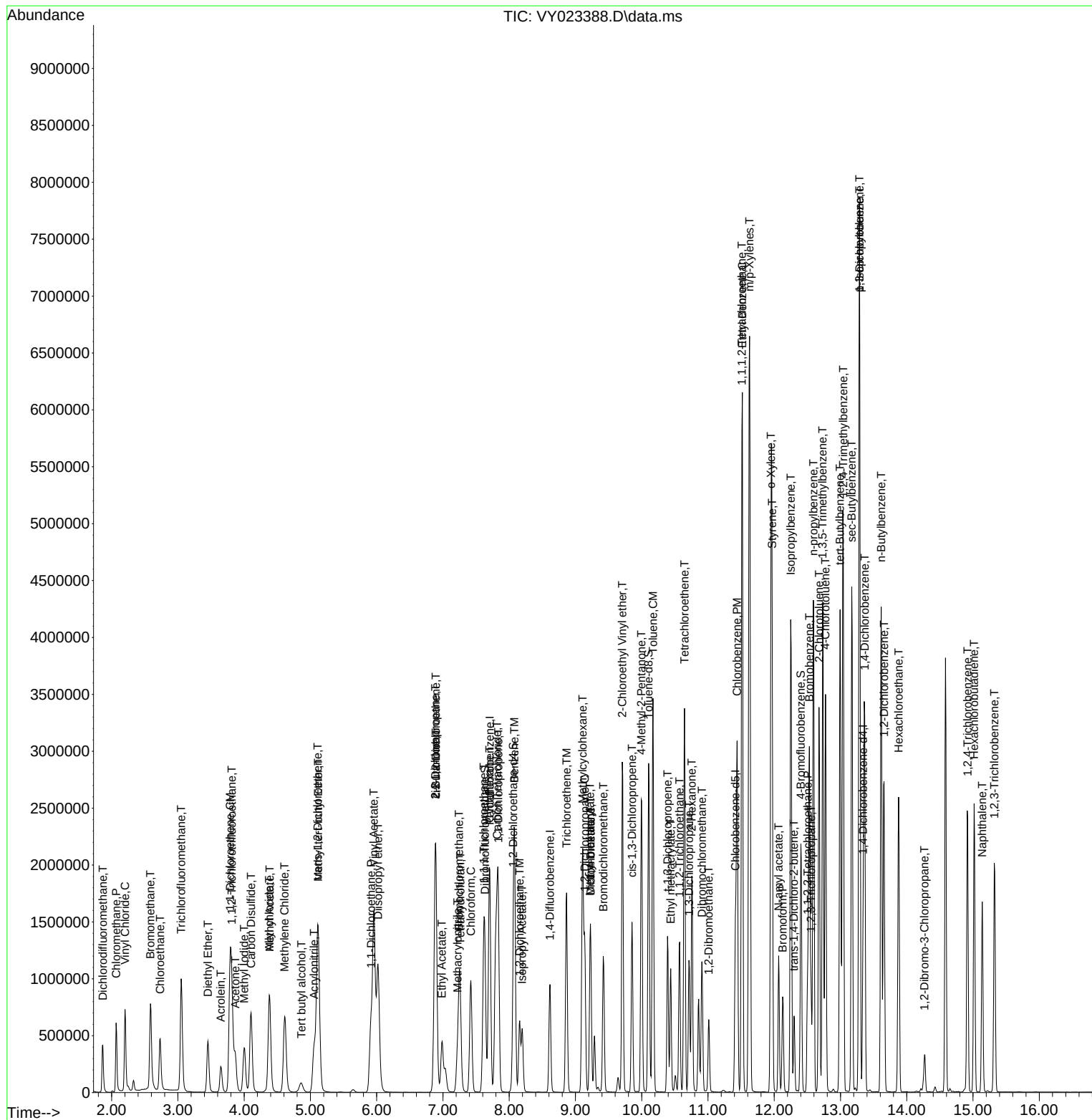
Quant Time: Oct 08 04:44:07 2025

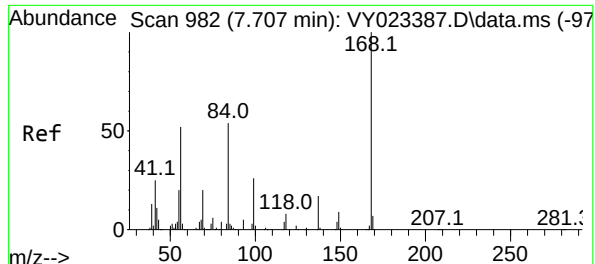
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 08 04:39:16 2025

Response via : Initial Calibration





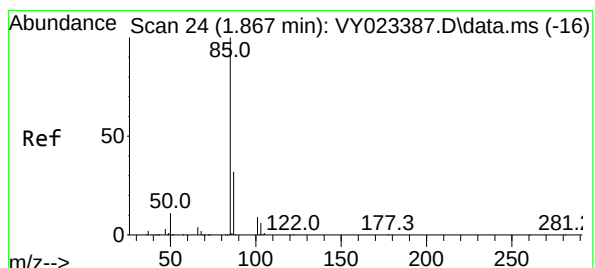
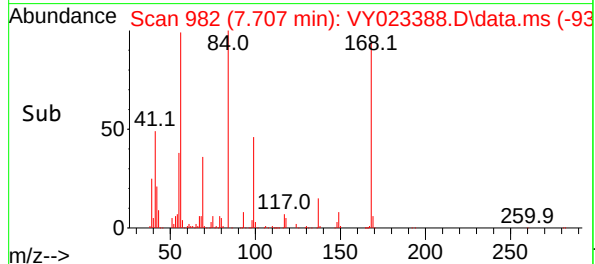
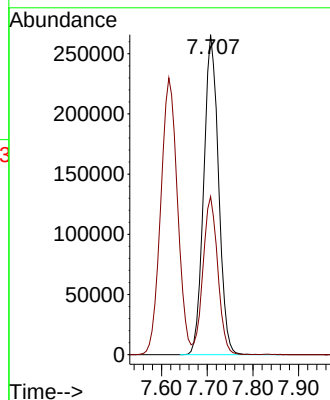
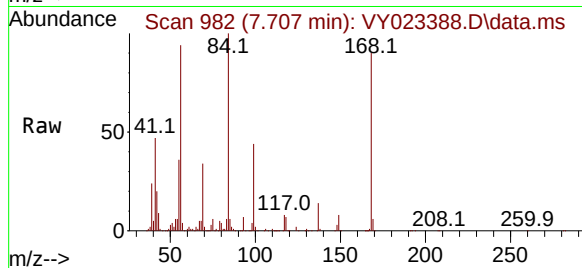
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

Tgt Ion:168 Resp: 595770  
Ion Ratio Lower Upper  
168 100  
99 49.3 39.7 59.5

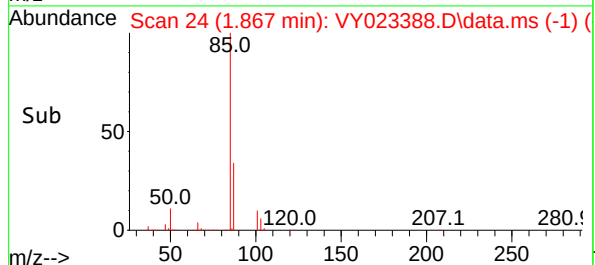
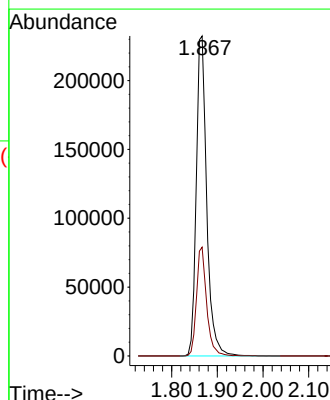
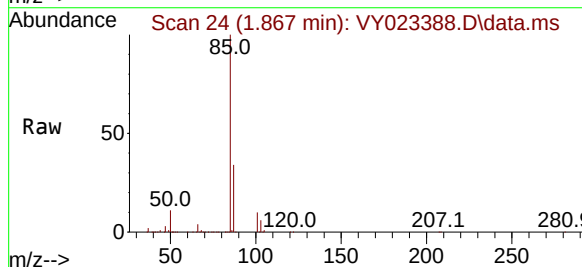
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

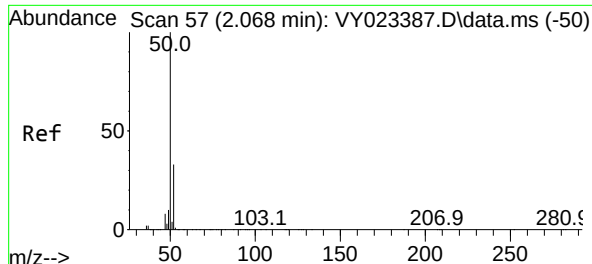


#2  
Dichlorodifluoromethane  
Concen: 78.627 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Tgt Ion: 85 Resp: 368985  
Ion Ratio Lower Upper  
85 100  
87 34.0 16.0 47.9







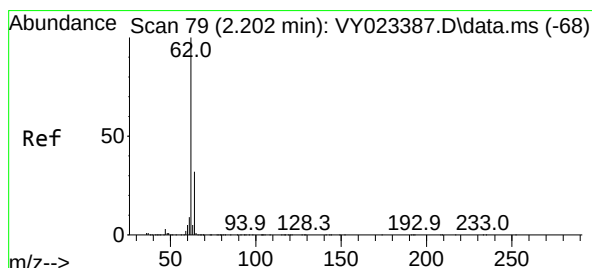
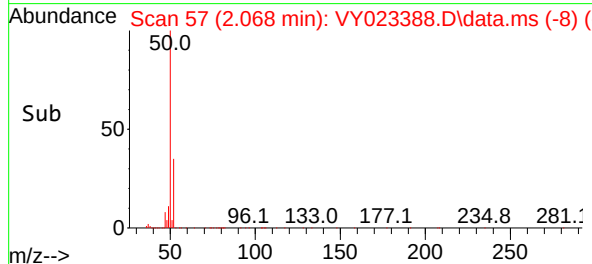
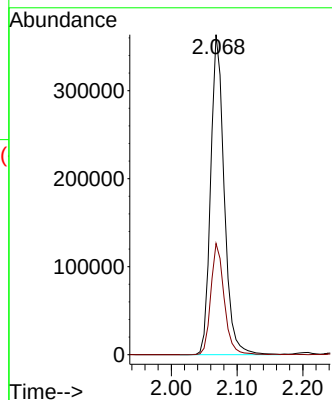
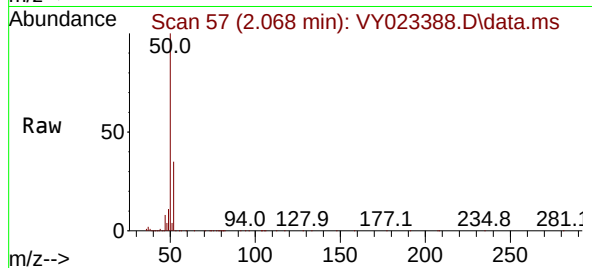
#3  
Chloromethane  
Concen: 78.195 ug/l  
RT: 2.068 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

Tgt Ion: 50 Resp: 521600  
Ion Ratio Lower Upper  
50 100  
52 34.7 26.2 39.2

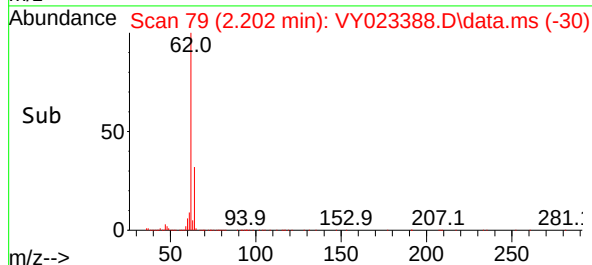
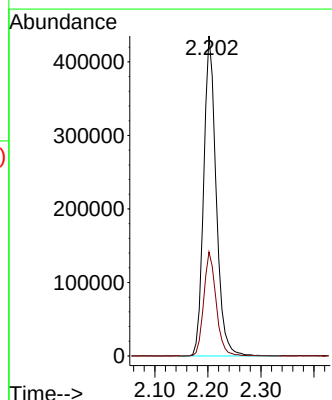
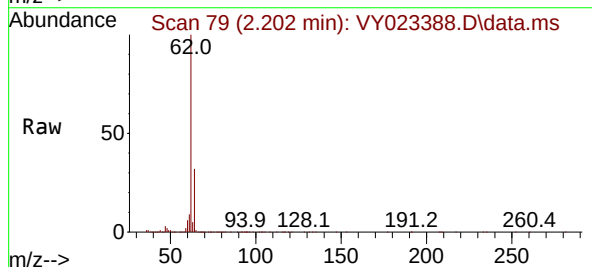
Manual Integrations  
APPROVED

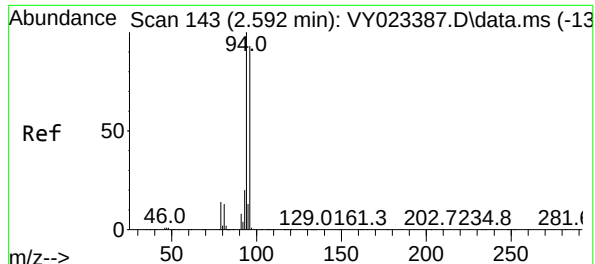
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#4  
Vinyl Chloride  
Concen: 84.438 ug/l  
RT: 2.202 min Scan# 79  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Tgt Ion: 62 Resp: 711235  
Ion Ratio Lower Upper  
62 100  
64 32.5 25.8 38.8





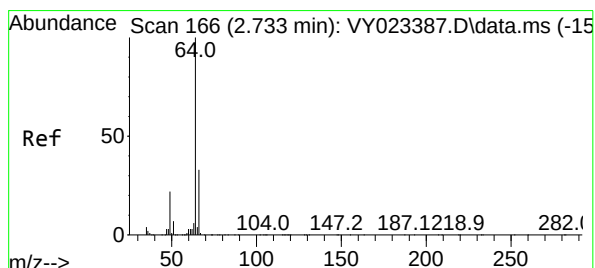
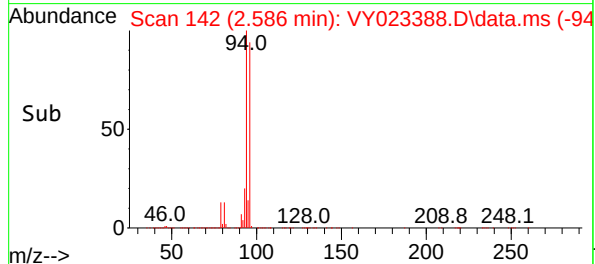
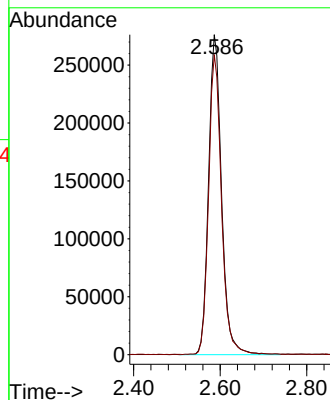
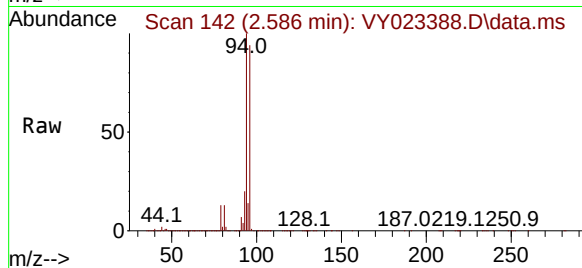
#5  
Bromomethane  
Concen: 83.210 ug/l  
RT: 2.586 min Scan# 143  
Delta R.T. -0.006 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

Tgt Ion: 94 Resp: 57495  
Ion Ratio Lower Upper  
94 100  
96 93.7 74.5 111.7

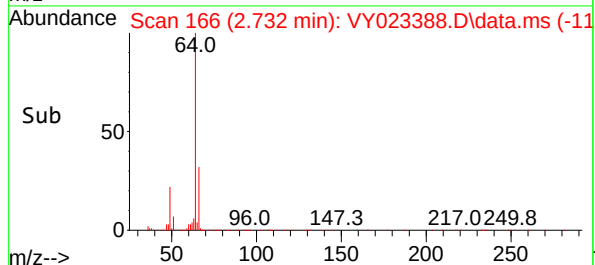
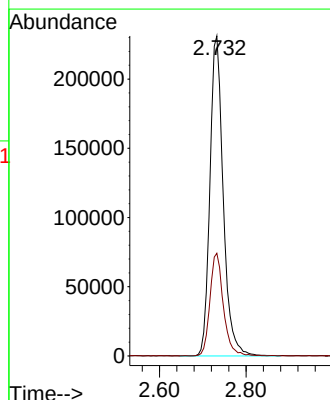
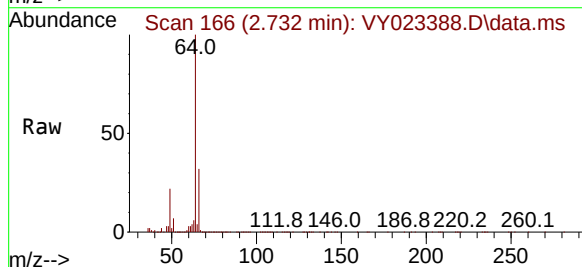
Manual Integrations  
APPROVED

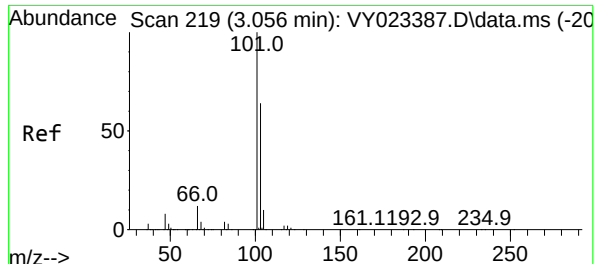
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#6  
Chloroethane  
Concen: 85.968 ug/l  
RT: 2.732 min Scan# 166  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Tgt Ion: 64 Resp: 491625  
Ion Ratio Lower Upper  
64 100  
66 32.0 26.2 39.4





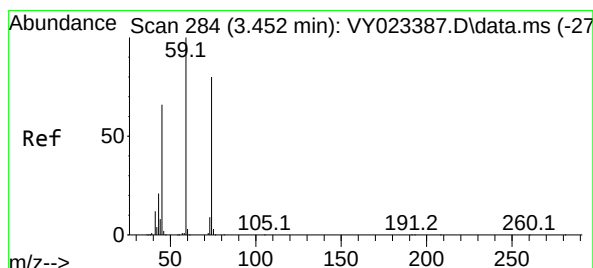
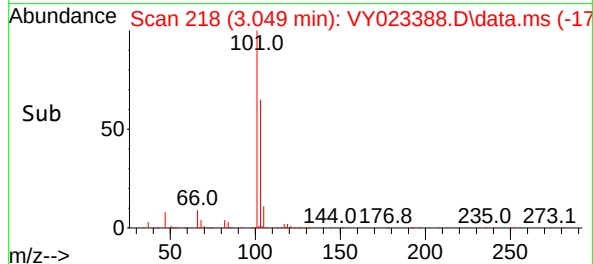
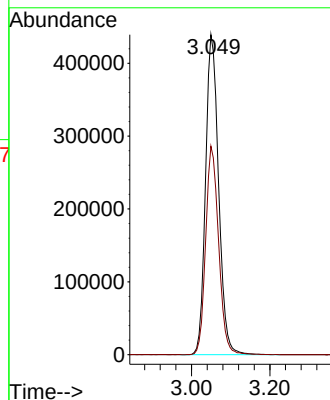
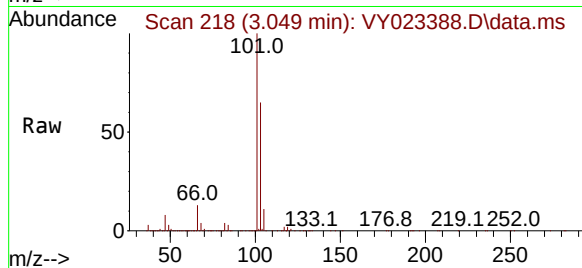
#7  
Trichlorofluoromethane  
Concen: 93.610 ug/l  
RT: 3.049 min Scan# 219  
Delta R.T. -0.006 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

Tgt Ion:101 Resp: 101285  
Ion Ratio Lower Upper  
101 100  
103 65.2 51.3 76.9

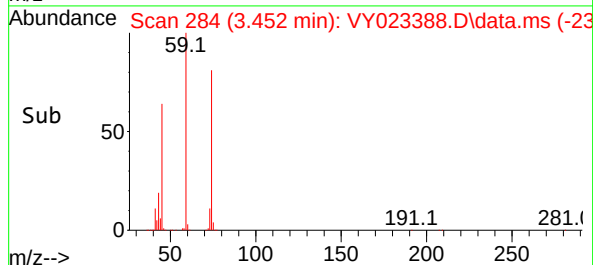
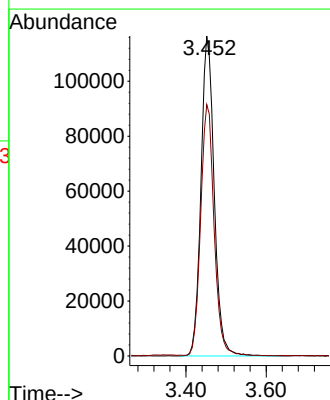
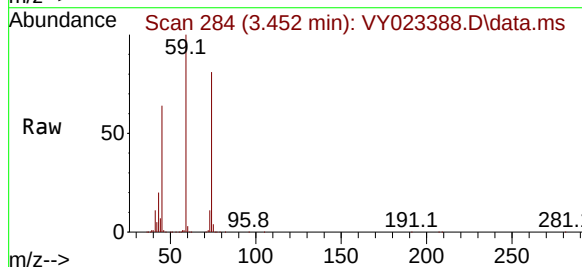
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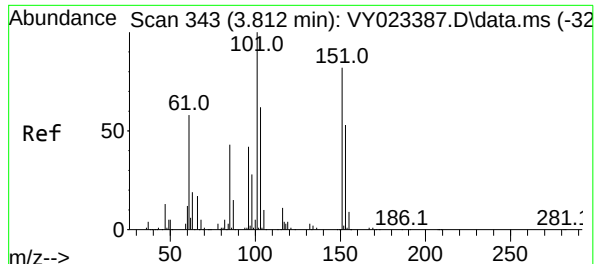
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#8  
Diethyl Ether  
Concen: 94.266 ug/l  
RT: 3.452 min Scan# 284  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Tgt Ion: 74 Resp: 266779  
Ion Ratio Lower Upper  
74 100  
45 79.9 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 88.441 ug/l

RT: 3.812 min Scan# 343

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion:101 Resp: 51148

Ion Ratio Lower Upper

101 100

85 43.6 34.6 51.8

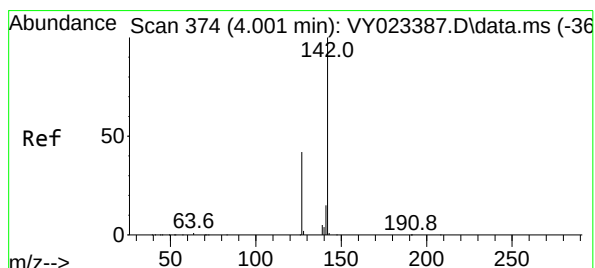
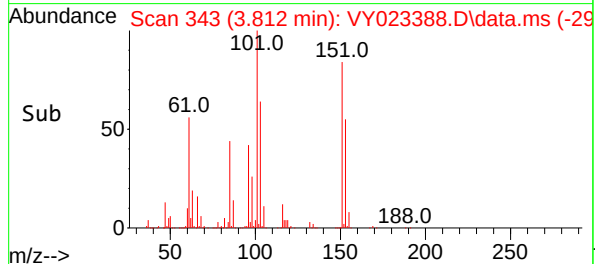
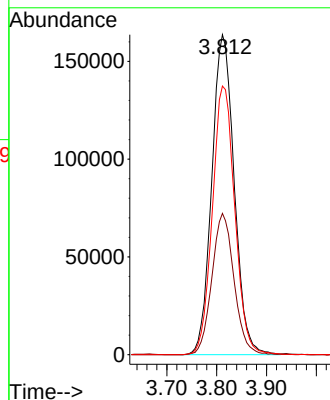
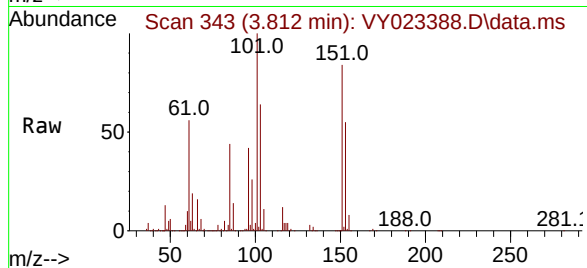
151 84.1 67.0 100.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#10

Methyl Iodide

Concen: 97.495 ug/l

RT: 4.001 min Scan# 374

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

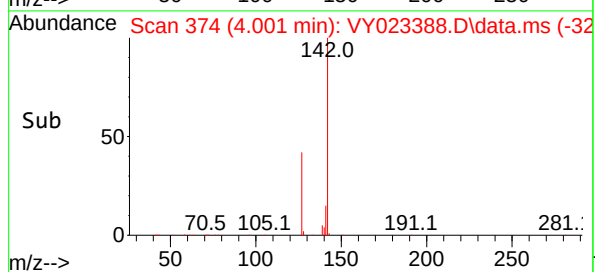
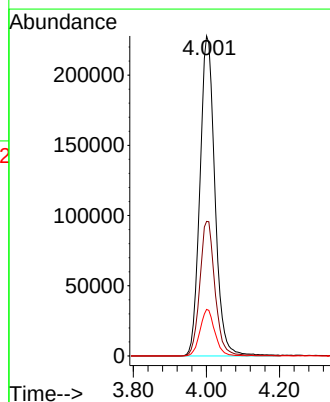
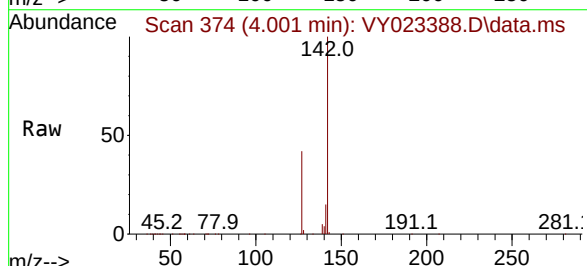
Tgt Ion:142 Resp: 651575

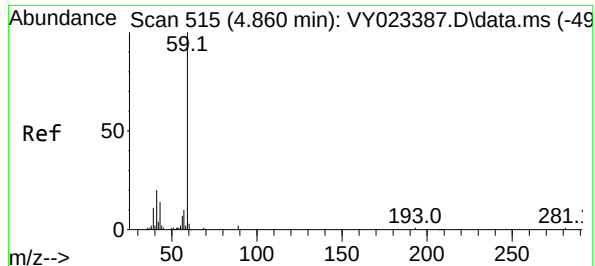
Ion Ratio Lower Upper

142 100

127 42.7 34.8 52.2

141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 568.898 ug/l

RT: 4.866 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 172718

Ion Ratio Lower Upper

59 100

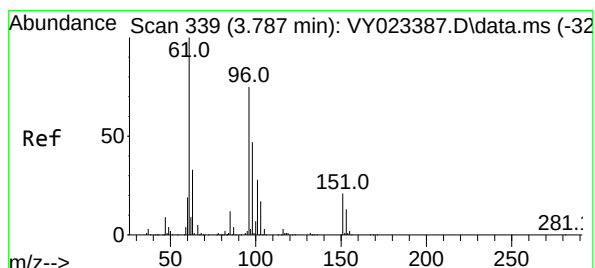
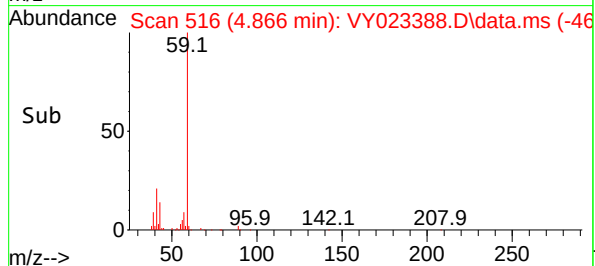
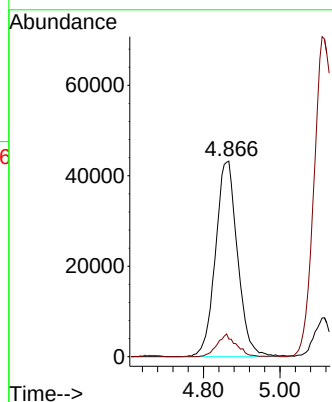
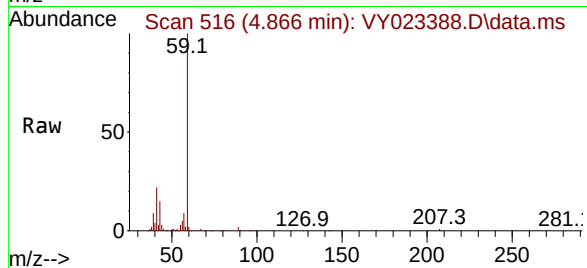
57 10.1 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 91.303 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

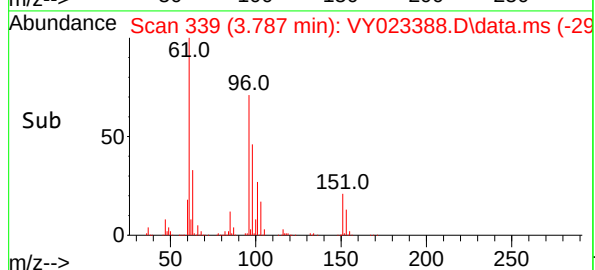
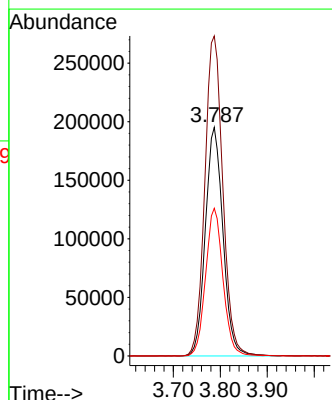
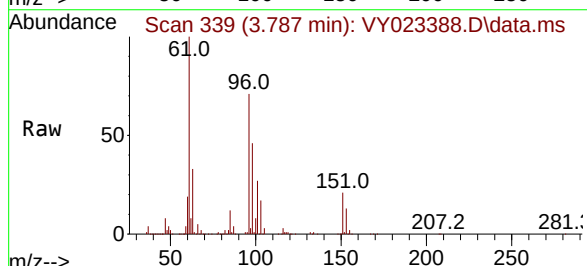
Tgt Ion: 96 Resp: 508059

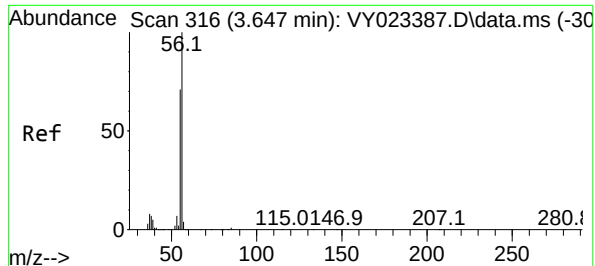
Ion Ratio Lower Upper

96 100

61 139.9 106.7 160.1

98 64.6 50.2 75.4





#13

Acrolein

Concen: 510.573 ug/l

RT: 3.647 min Scan# 316

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 262630

Ion Ratio Lower Upper

56 100

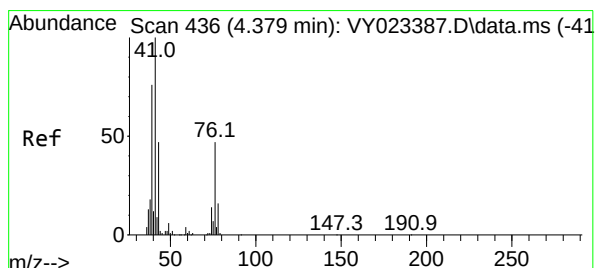
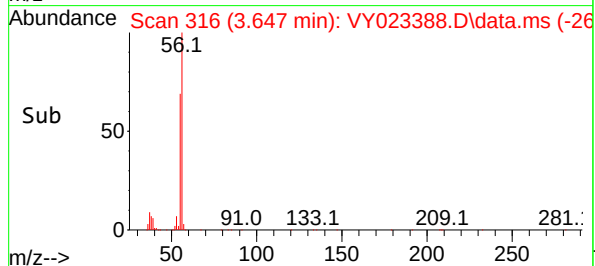
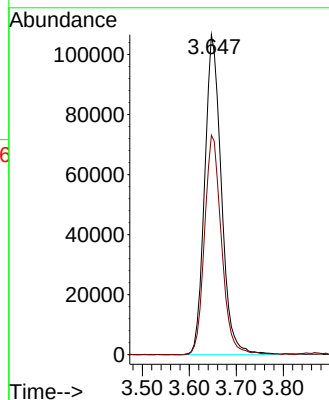
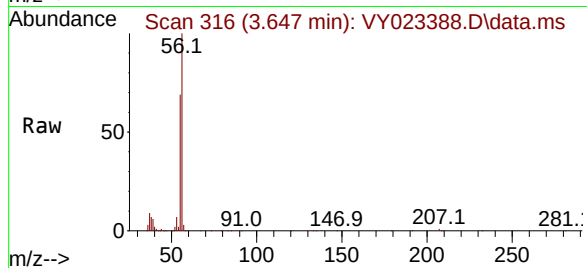
55 69.6 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#14

Allyl chloride

Concen: 91.446 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

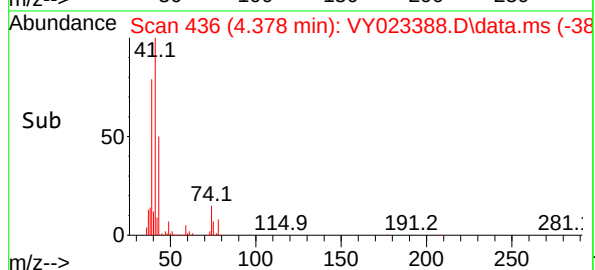
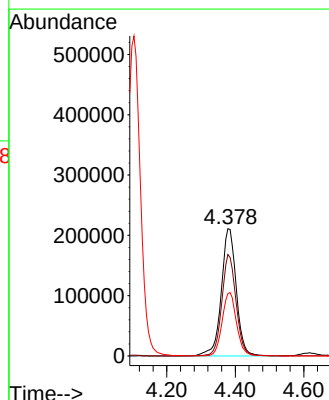
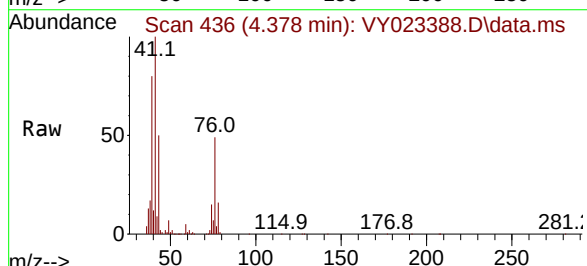
Tgt Ion: 41 Resp: 637073

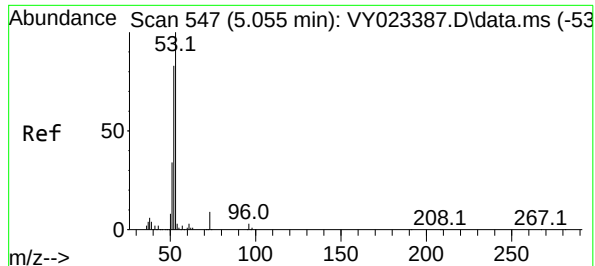
Ion Ratio Lower Upper

41 100

39 75.8 59.9 89.9

76 47.5 38.0 57.0





#15

Acrylonitrile

Concen: 471.296 ug/l

RT: 5.055 min Scan# 547

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 52251

Ion Ratio Lower Upper

53 100

52 81.2 64.6 97.0

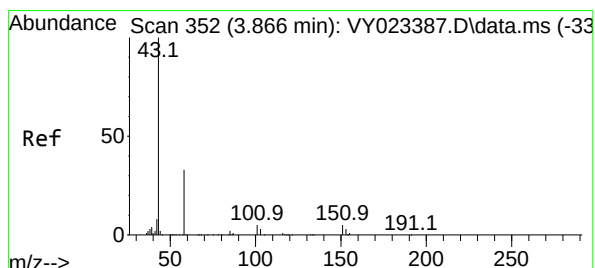
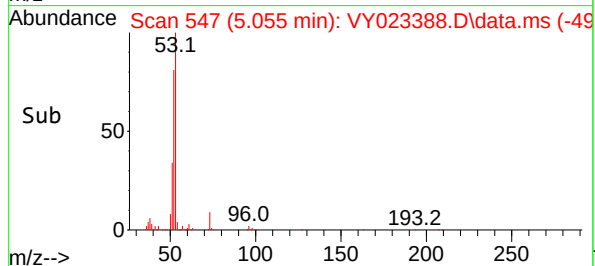
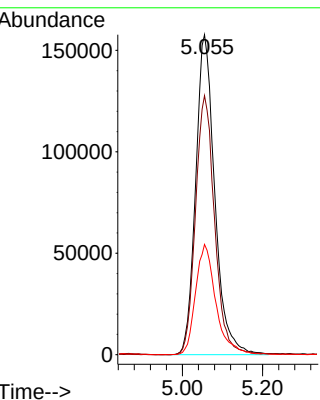
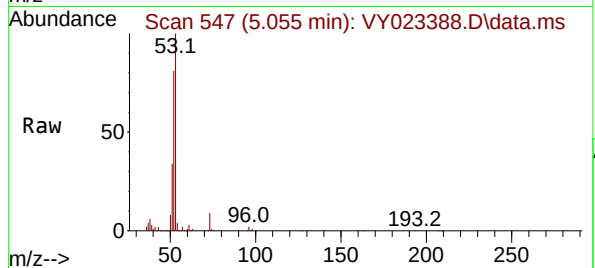
51 36.7 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#16

Acetone

Concen: 435.004 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.000 min

Lab File: VY023388.D

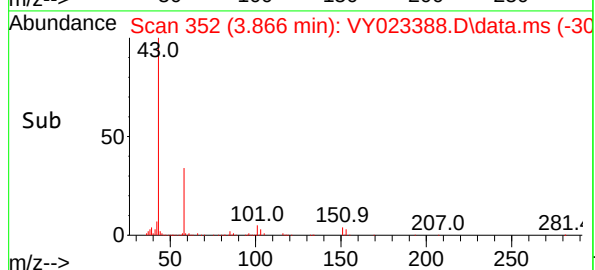
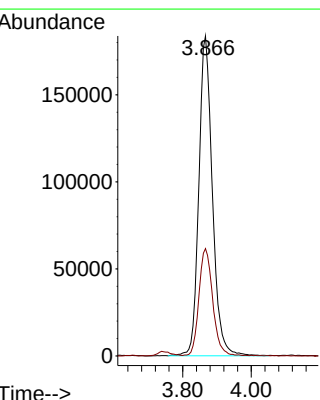
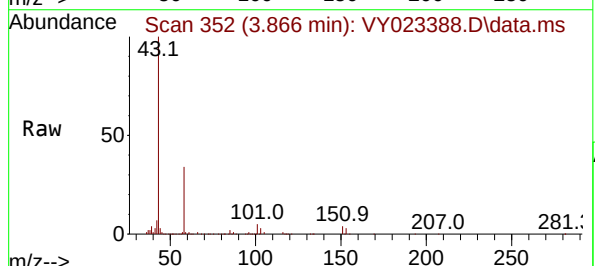
Acq: 07 Oct 2025 12:09

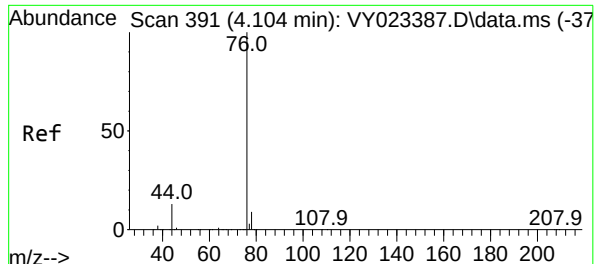
Tgt Ion: 43 Resp: 504700

Ion Ratio Lower Upper

43 100

58 33.5 27.7 41.5





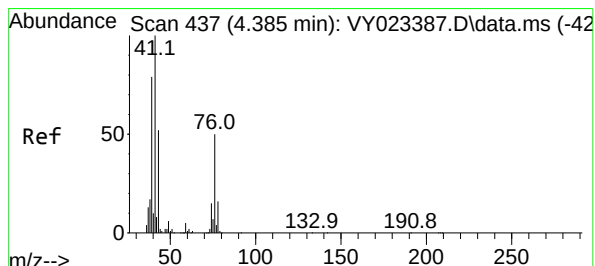
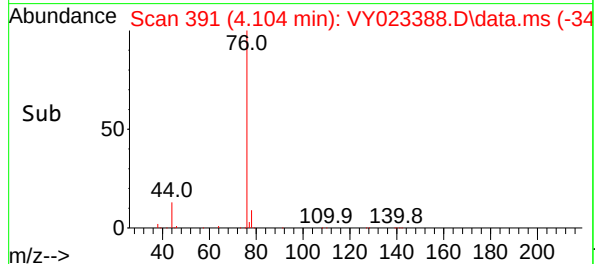
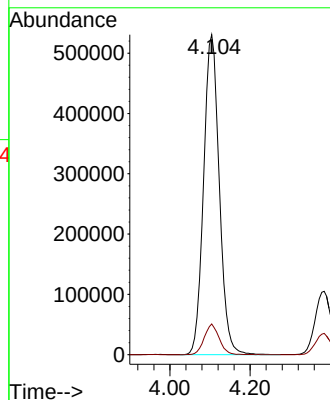
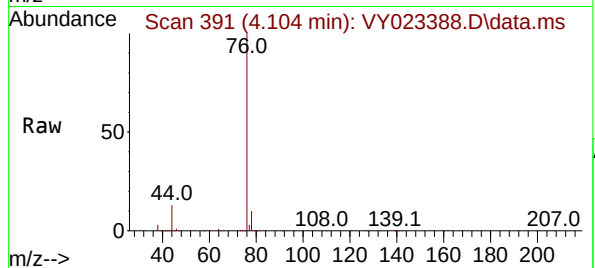
#17  
Carbon Disulfide  
Concen: 83.061 ug/l  
RT: 4.104 min Scan# 391  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

Tgt Ion: 76 Resp: 144200  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.3 10.9

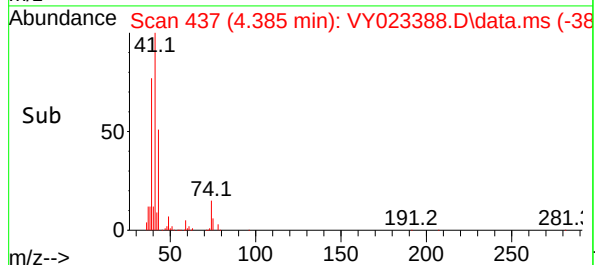
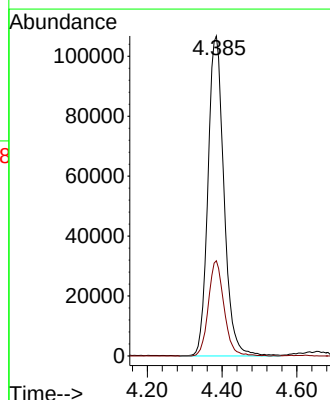
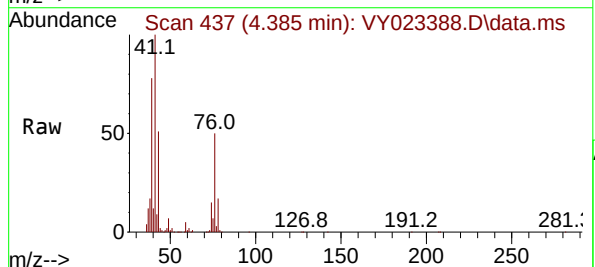
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

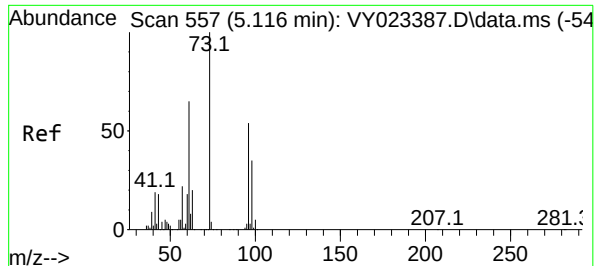


#18  
Methyl Acetate  
Concen: 107.474 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 316911  
Ion Ratio Lower Upper  
43 100  
74 29.1 24.2 36.4







#19

Methyl tert-butyl Ether

Concen: 99.797 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 1300200

Ion Ratio Lower Upper

73 100

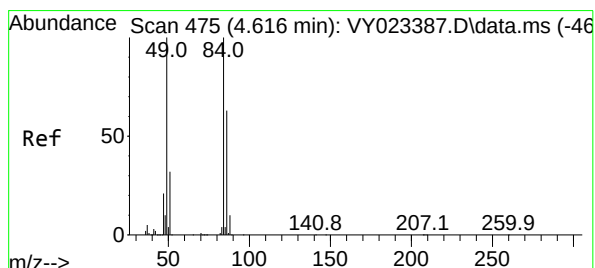
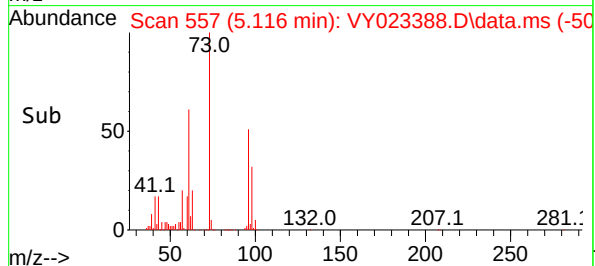
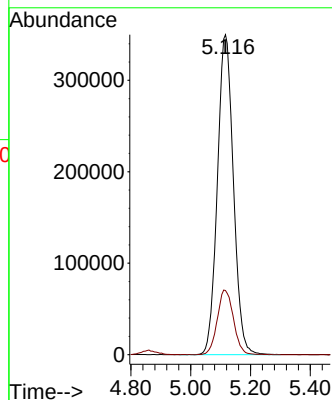
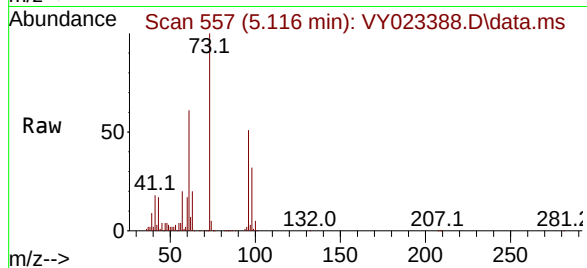
57 20.1 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 87.742 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Tgt Ion: 84 Resp: 552018

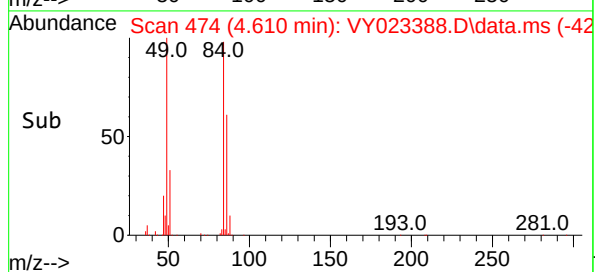
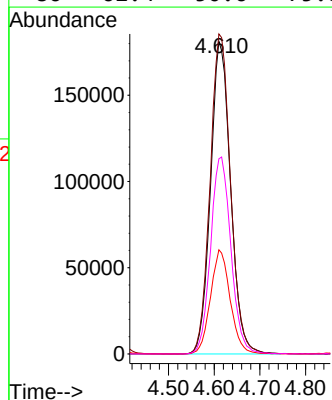
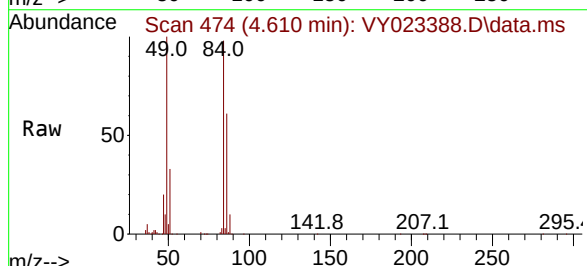
Ion Ratio Lower Upper

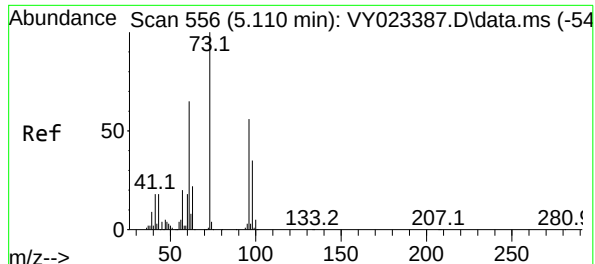
84 100

49 102.4 80.2 120.4

51 33.3 25.9 38.9

86 62.4 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 91.999 ug/l

RT: 5.110 min Scan# 556

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 569334

Ion Ratio Lower Upper

96 100

61 120.4 92.7 139.1

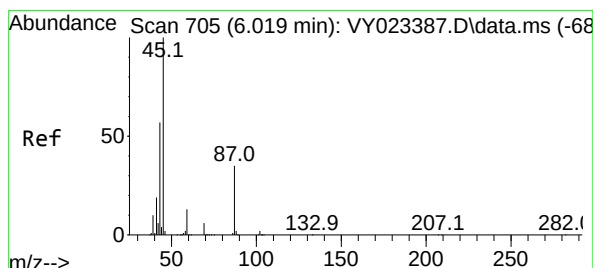
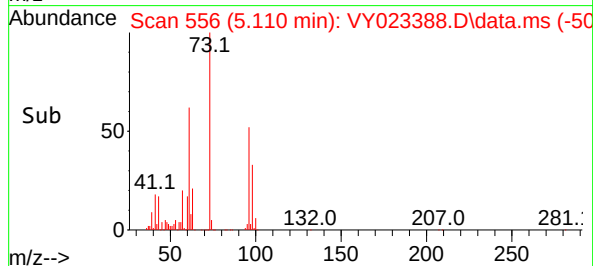
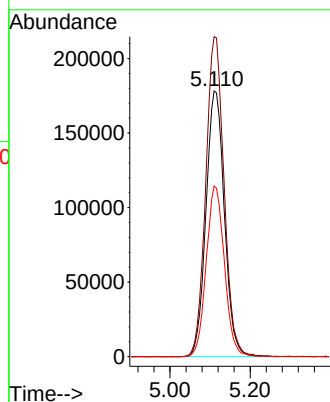
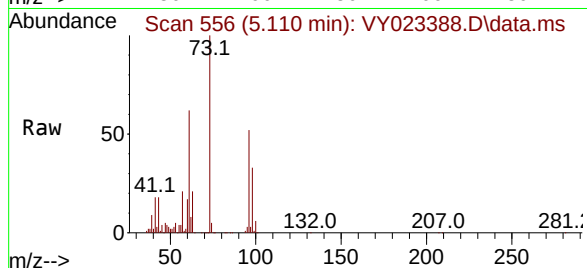
98 64.2 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#22

Diisopropyl ether

Concen: 92.133 ug/l

RT: 6.018 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Tgt Ion: 45 Resp: 1423347

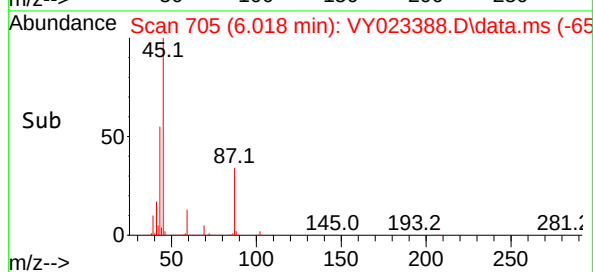
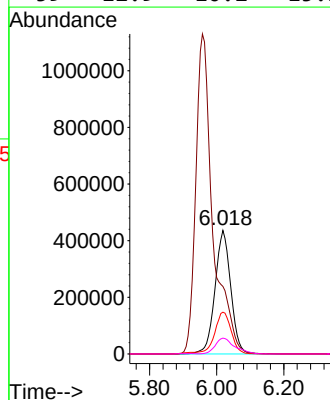
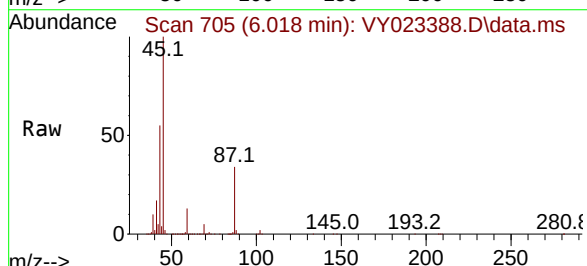
Ion Ratio Lower Upper

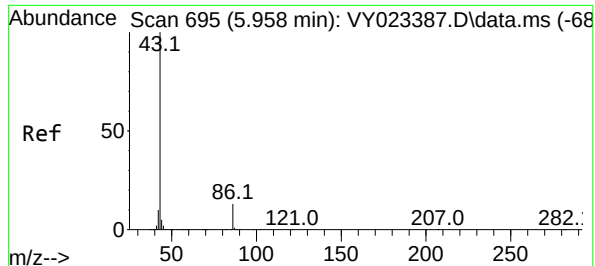
45 100

43 54.4 45.6 68.4

87 33.8 28.1 42.1

59 12.9 10.2 15.2





#23

Vinyl Acetate

Concen: 468.098 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 397505

Ion Ratio Lower Upper

43 100

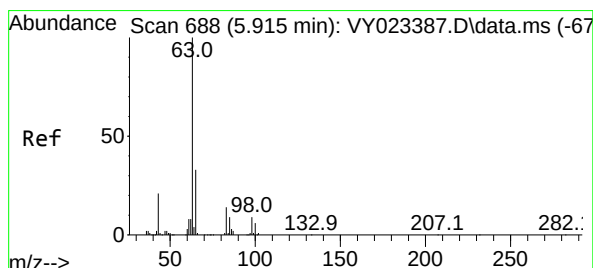
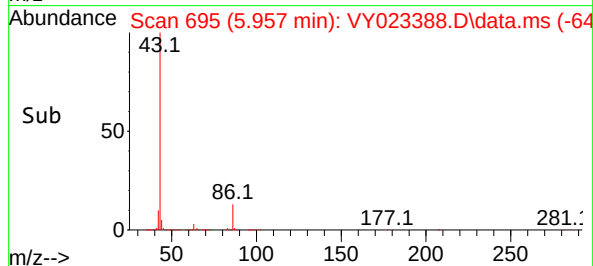
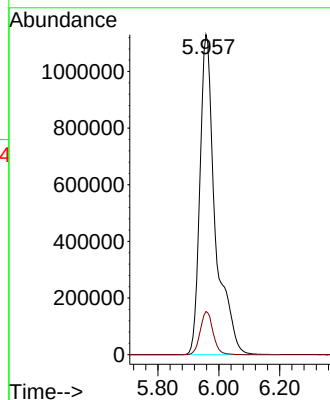
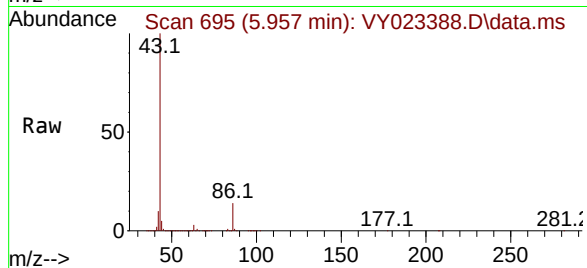
86 13.5 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 89.517 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

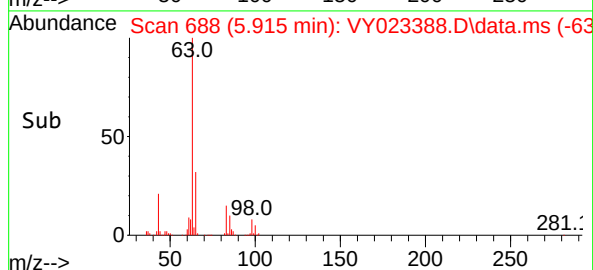
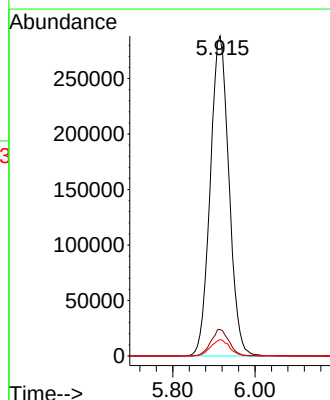
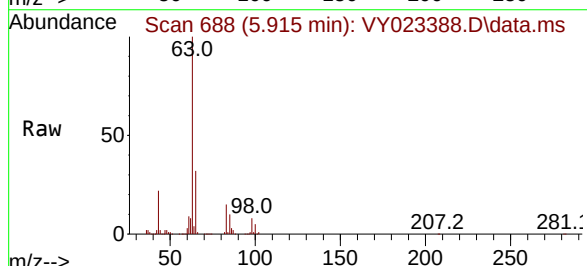
Tgt Ion: 63 Resp: 911619

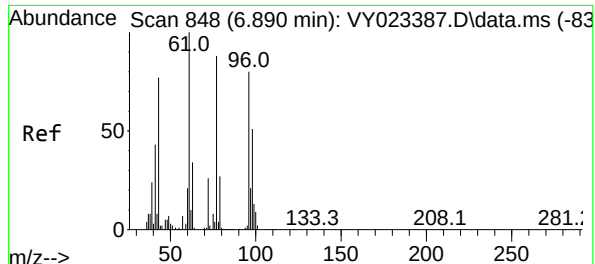
Ion Ratio Lower Upper

63 100

98 8.3 4.3 13.1

100 5.1 2.8 8.4





#25

2-Butanone

Concen: 478.154 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 68569

Ion Ratio Lower Upper

43 100

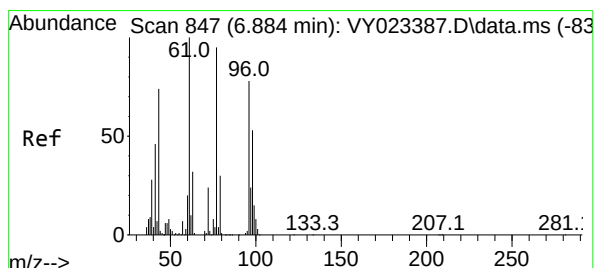
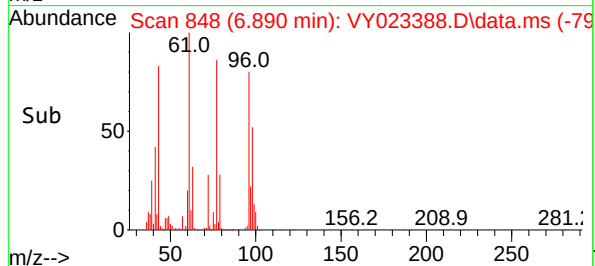
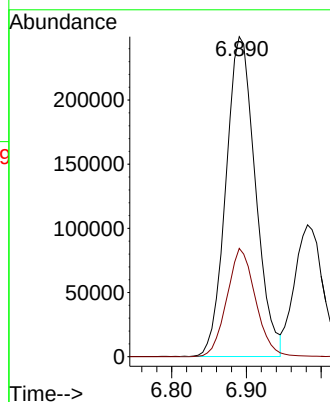
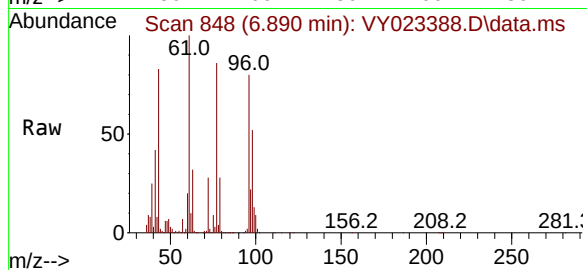
72 33.9 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 92.108 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023388.D

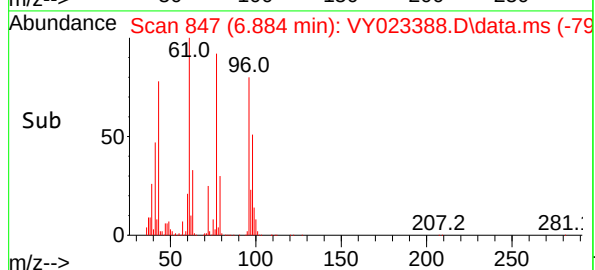
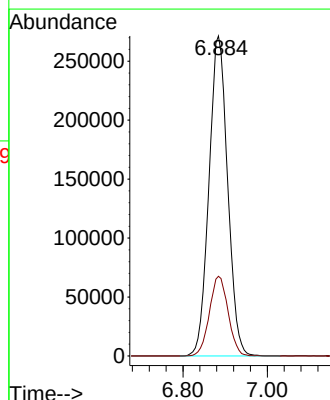
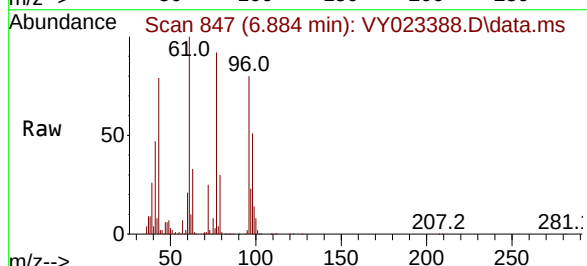
Acq: 07 Oct 2025 12:09

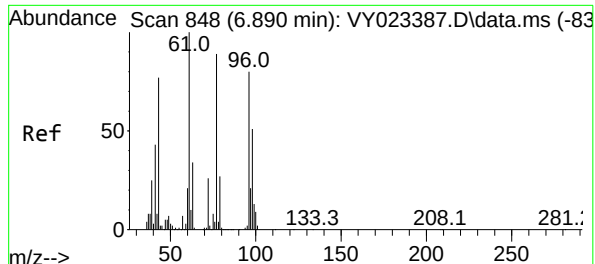
Tgt Ion: 77 Resp: 833452

Ion Ratio Lower Upper

77 100

97 25.0 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 95.557 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 67077

Ion Ratio Lower Upper

96 100

61 125.9 0.0 258.2

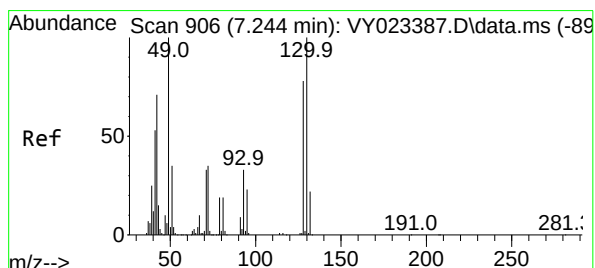
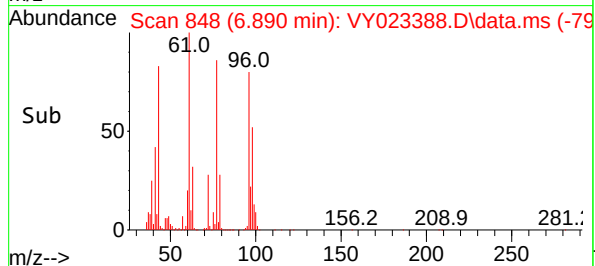
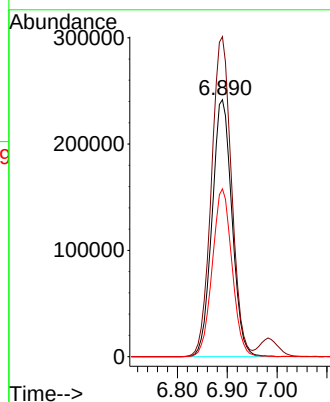
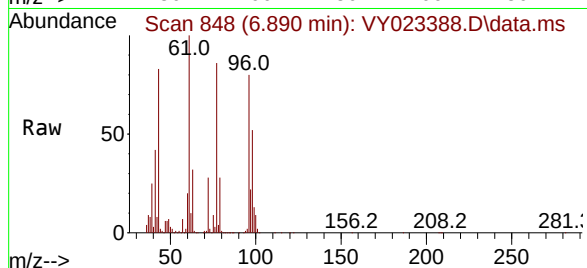
98 64.7 0.0 132.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#28

Bromochloromethane

Concen: 81.418 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

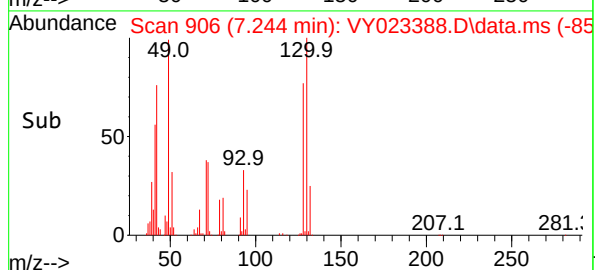
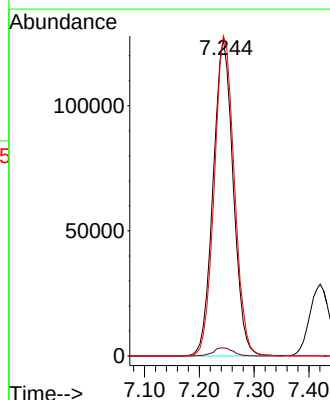
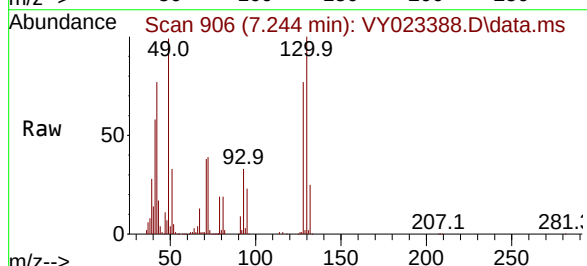
Tgt Ion: 49 Resp: 321657

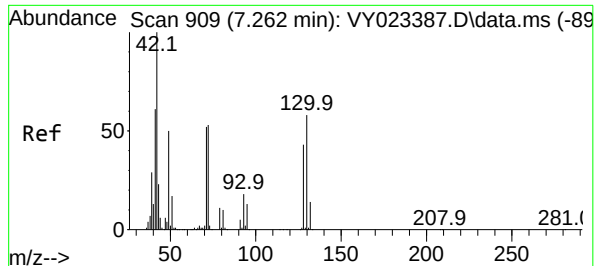
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.6

130 100.9 81.9 122.9





#29

Tetrahydrofuran

Concen: 488.587 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 41586

Ion Ratio Lower Upper

42 100

72 54.1 43.0 64.6

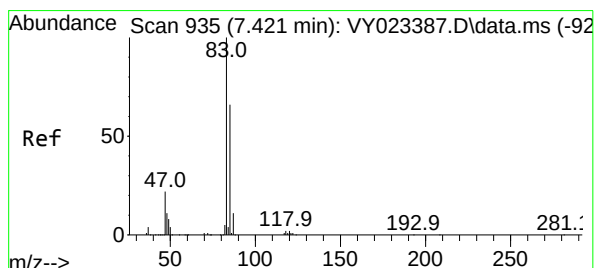
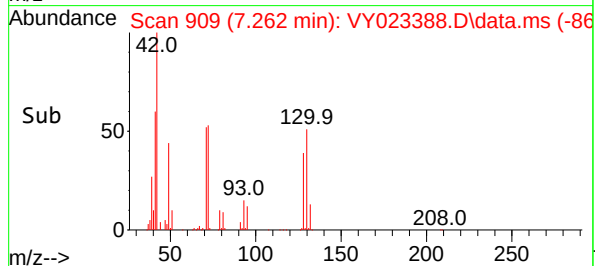
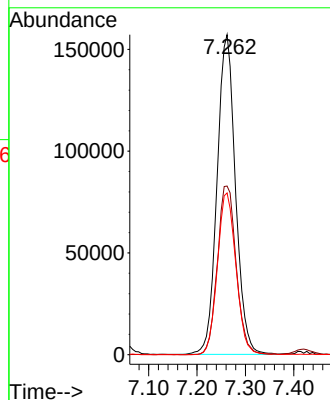
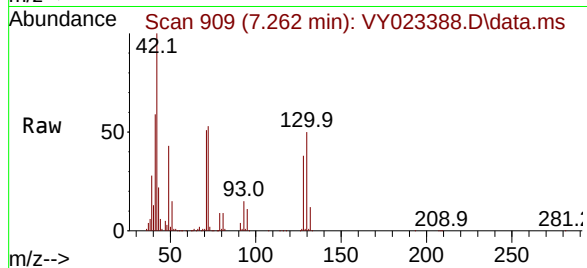
71 50.9 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Chloroform

Concen: 91.401 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY023388.D

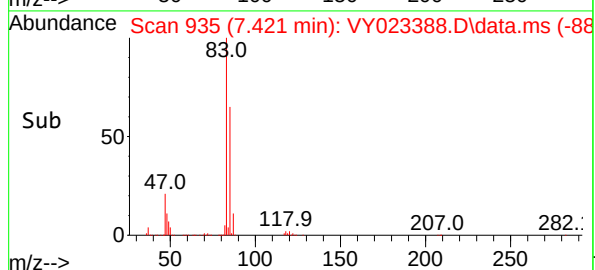
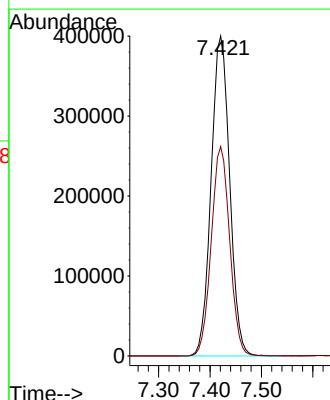
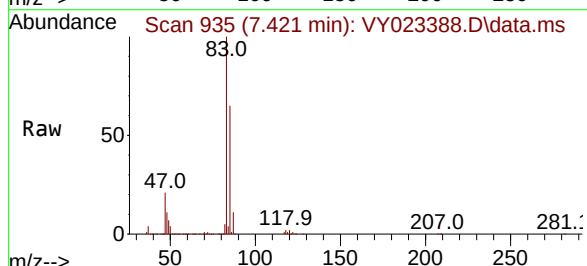
Acq: 07 Oct 2025 12:09

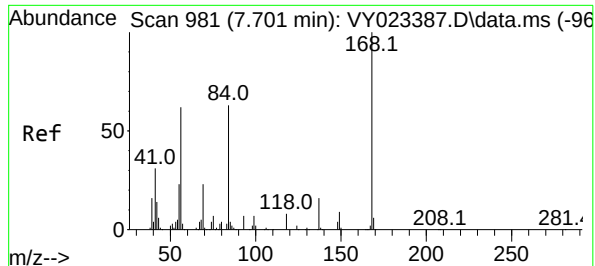
Tgt Ion: 83 Resp: 1003722

Ion Ratio Lower Upper

83 100

85 65.4 52.5 78.7





#31

Cyclohexane

Concen: 85.293 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 767083

Ion Ratio Lower Upper

56 100

69 34.9 30.0 45.0

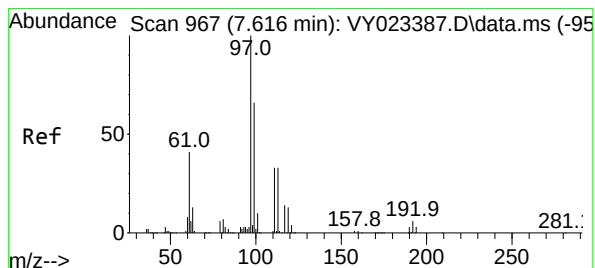
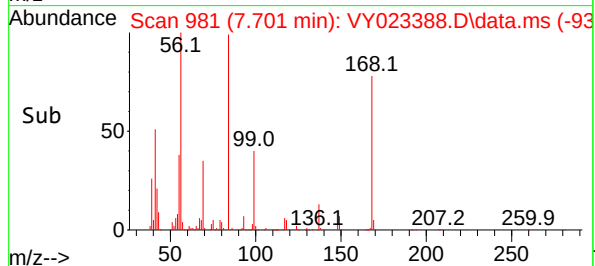
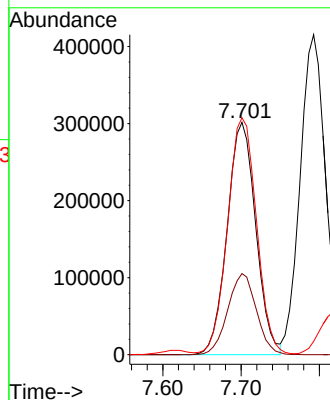
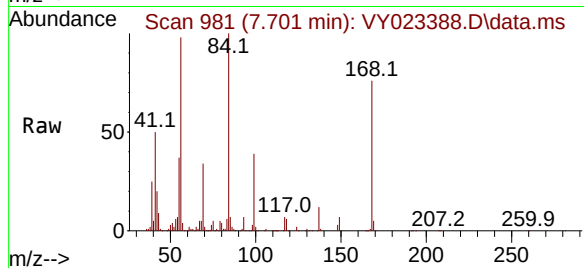
84 100.2 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 92.399 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

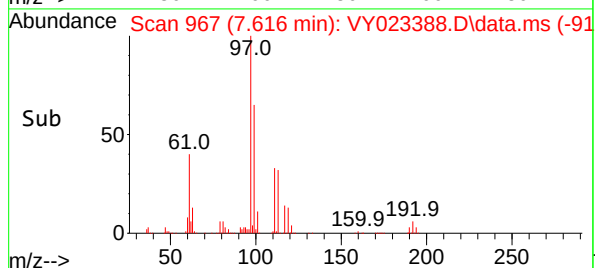
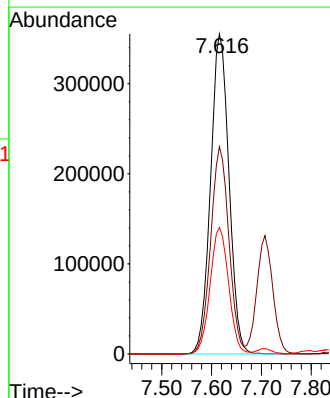
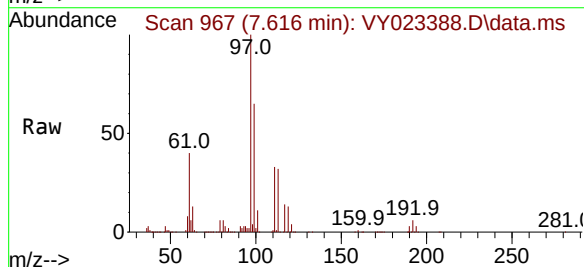
Tgt Ion: 97 Resp: 910837

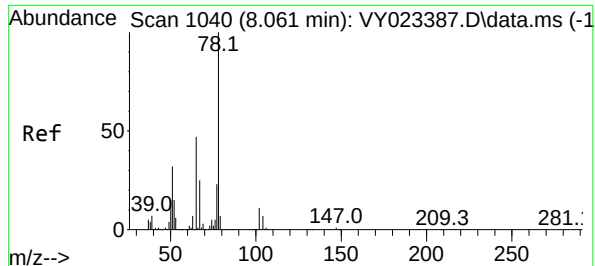
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 39.7 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 90.510 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 467000

Ion Ratio Lower Upper

65 100

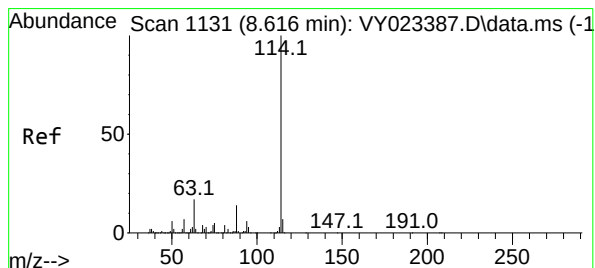
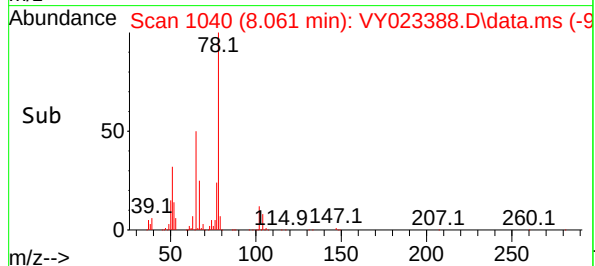
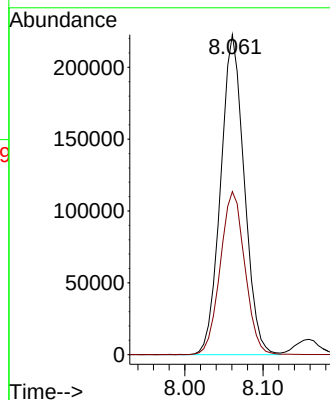
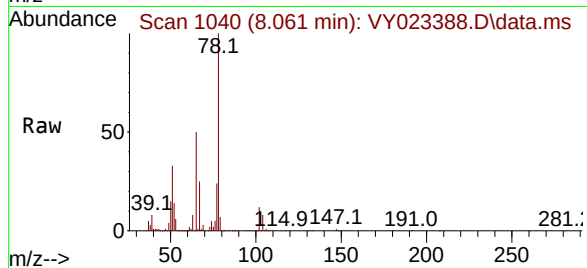
67 53.0 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

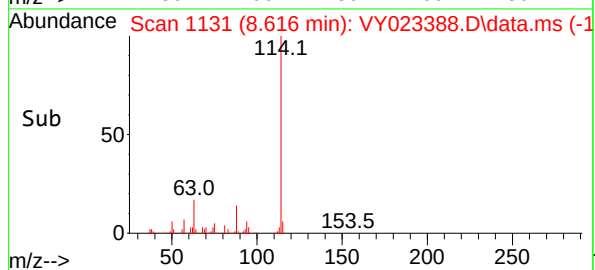
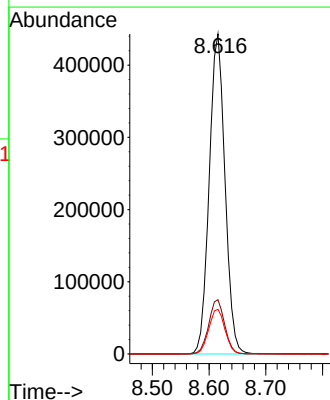
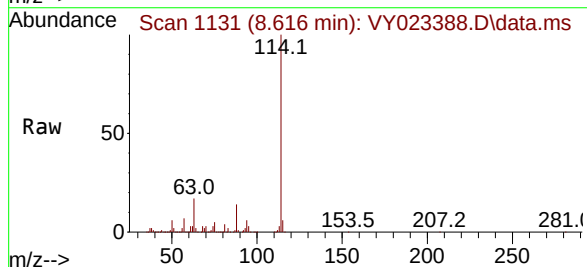
Tgt Ion:114 Resp: 855682

Ion Ratio Lower Upper

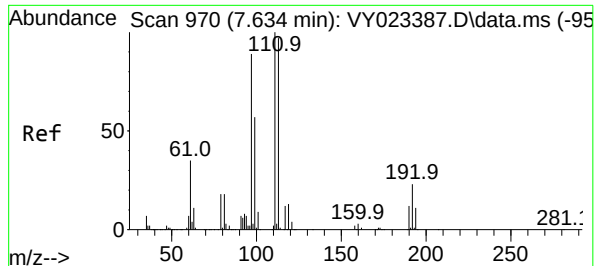
114 100

63 17.0 0.0 34.2

88 13.9 0.0 28.4







#35

Dibromofluoromethane

Concen: 98.497 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion:113 Resp: 511478

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.6

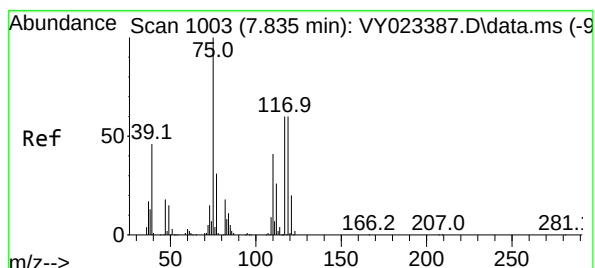
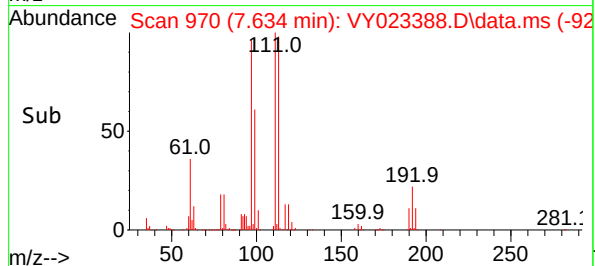
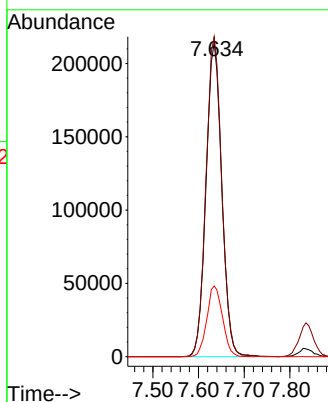
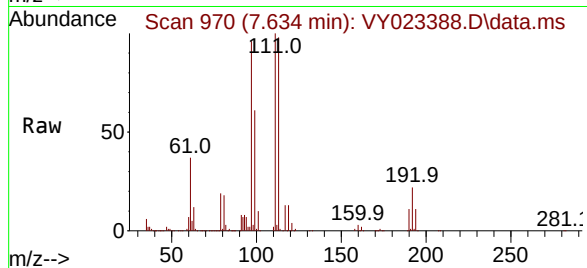
192 22.5 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#36

1,1-Dichloropropene

Concen: 94.516 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

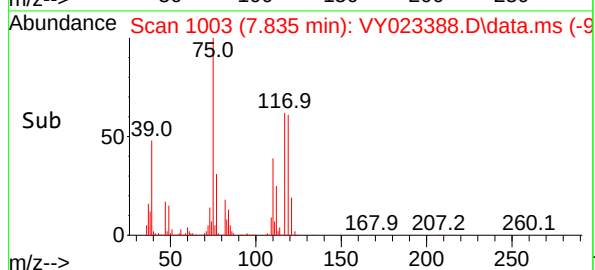
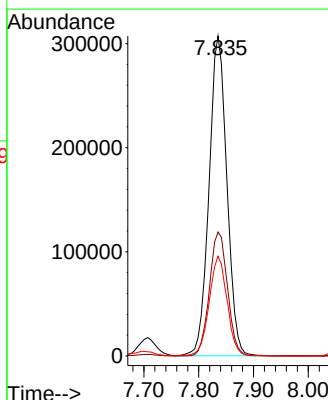
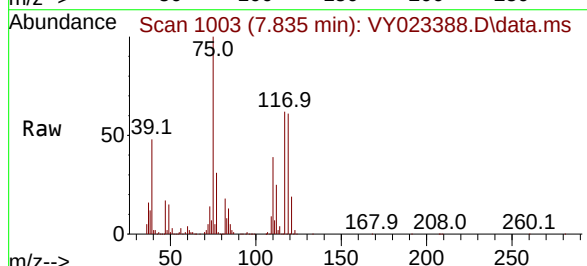
Tgt Ion: 75 Resp: 692477

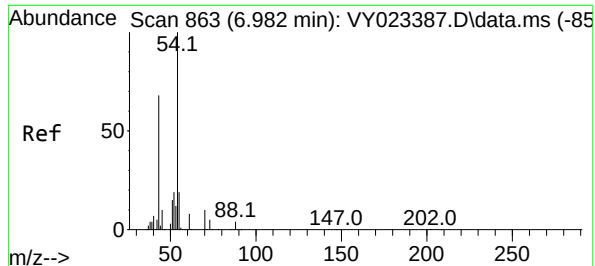
Ion Ratio Lower Upper

75 100

110 39.2 19.9 59.7

77 31.4 25.0 37.6





#37

Ethyl Acetate

Concen: 96.859 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 280560

Ion Ratio Lower Upper

43 100

61 15.9 11.8 17.8

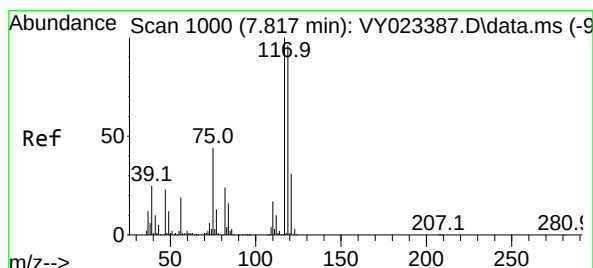
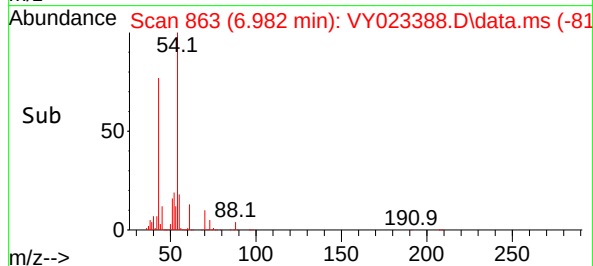
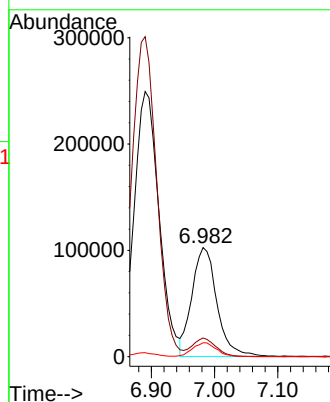
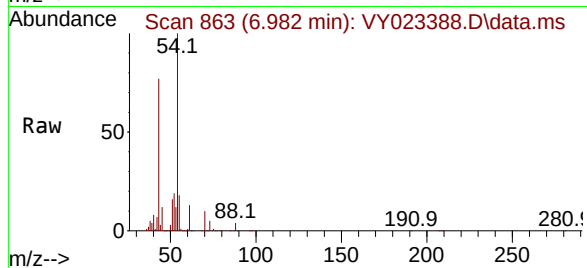
70 12.4 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#38

Carbon Tetrachloride

Concen: 97.894 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

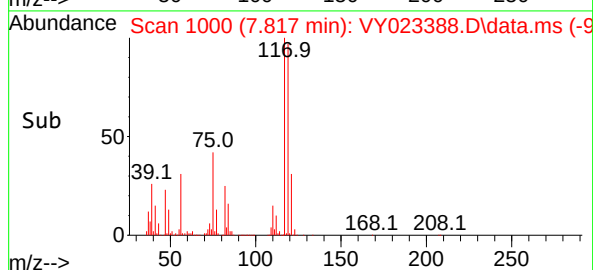
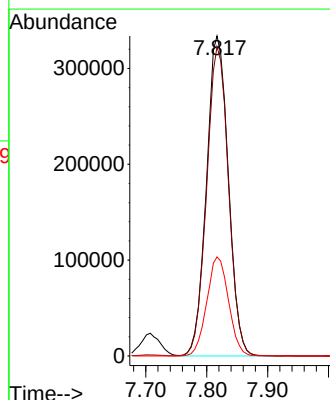
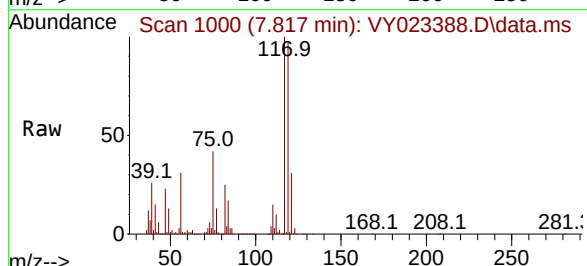
Tgt Ion:117 Resp: 833170

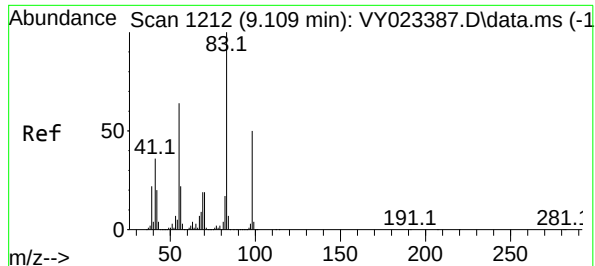
Ion Ratio Lower Upper

117 100

119 96.7 76.8 115.2

121 30.9 24.5 36.7





#39

Methylcyclohexane

Concen: 101.024 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 947664

Ion Ratio Lower Upper

83 100

55 65.4 51.4 77.2

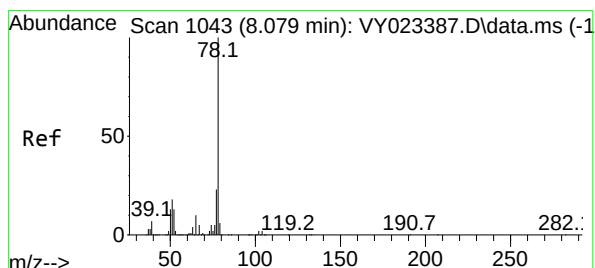
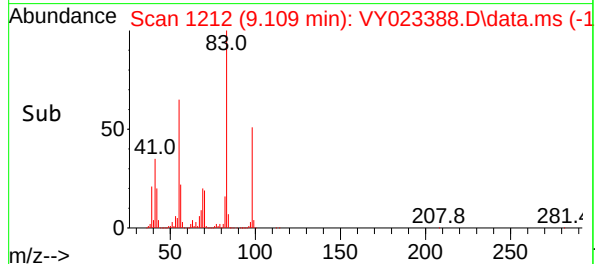
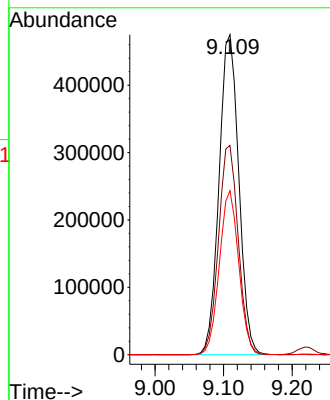
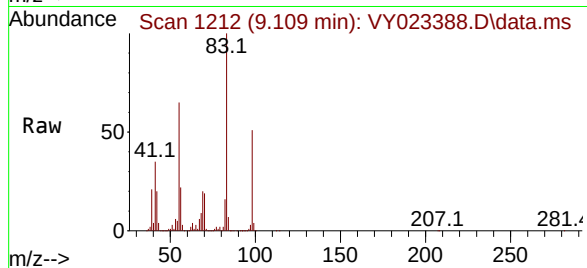
98 51.3 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Benzene

Concen: 96.000 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY023388.D

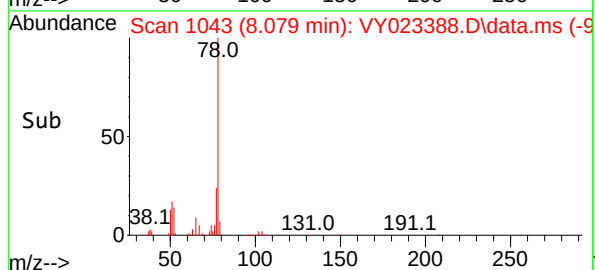
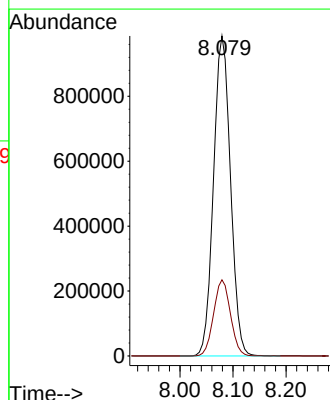
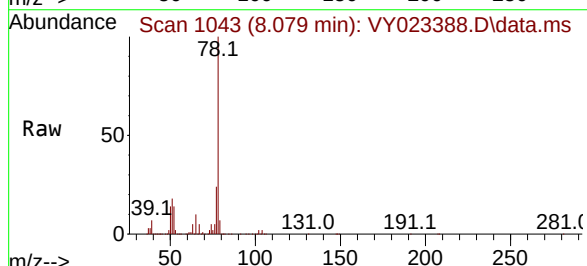
Acq: 07 Oct 2025 12:09

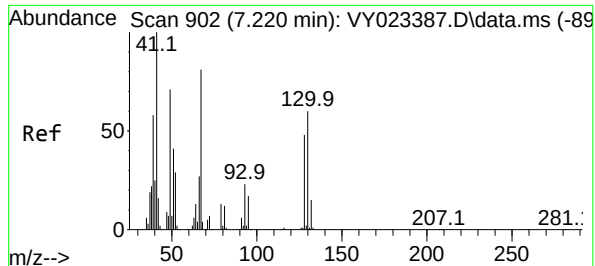
Tgt Ion: 78 Resp: 2192645

Ion Ratio Lower Upper

78 100

77 23.8 18.3 27.5





#41

Methacrylonitrile

Concen: 101.200 ug/l

RT: 7.219 min Scan# 902

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 152239

Ion Ratio Lower Upper

41 100

39 62.6 52.2 78.4

67 93.9 74.9 112.3

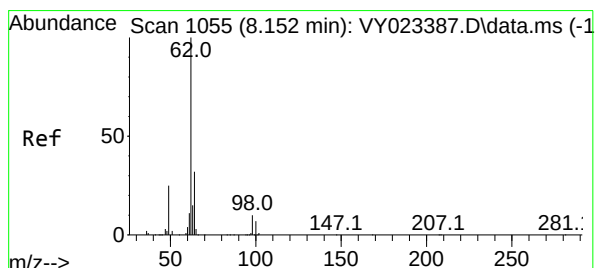
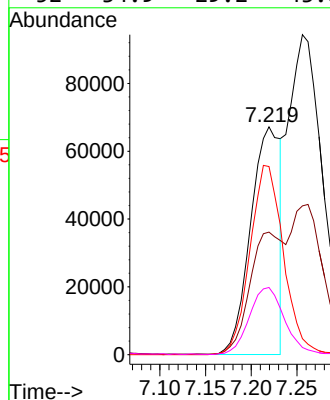
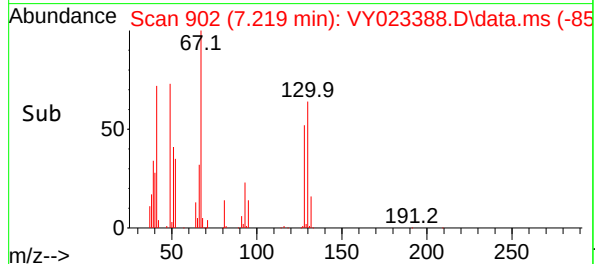
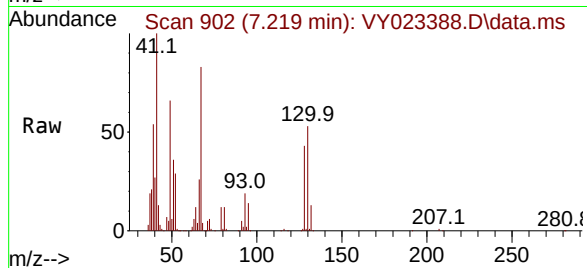
52 34.9 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#42

1,2-Dichloroethane

Concen: 95.449 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VY023388.D

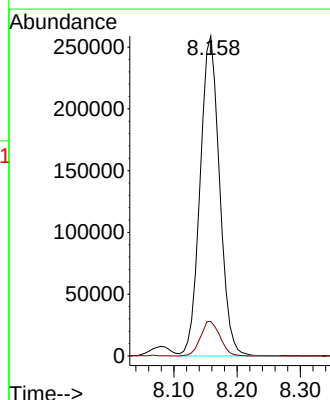
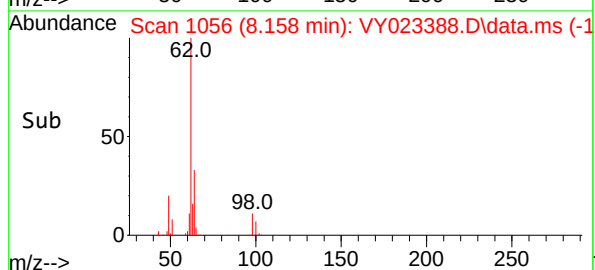
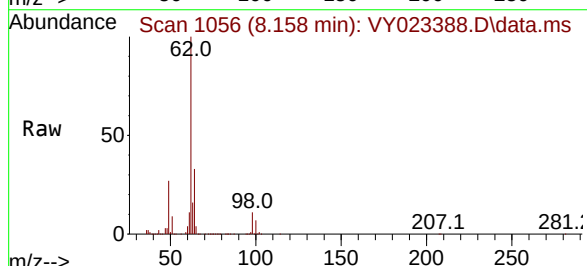
Acq: 07 Oct 2025 12:09

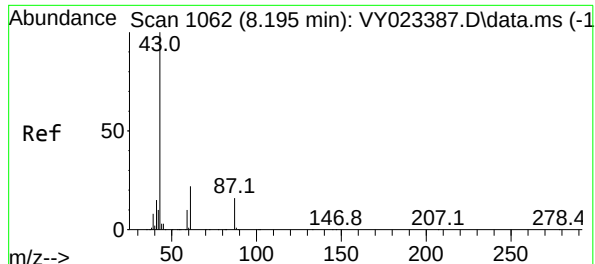
Tgt Ion: 62 Resp: 554810

Ion Ratio Lower Upper

62 100

98 10.8 0.0 21.6





#43

Isopropyl Acetate

Concen: 101.815 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 57365

Ion Ratio Lower Upper

43 100

61 23.0 18.1 27.1

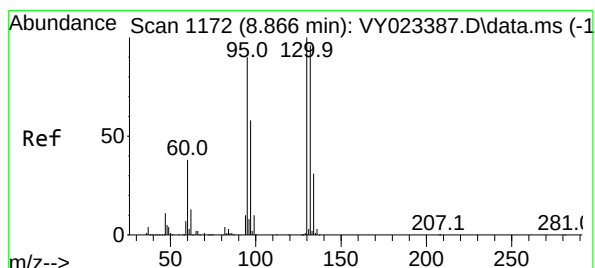
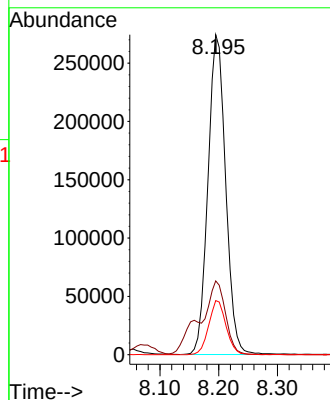
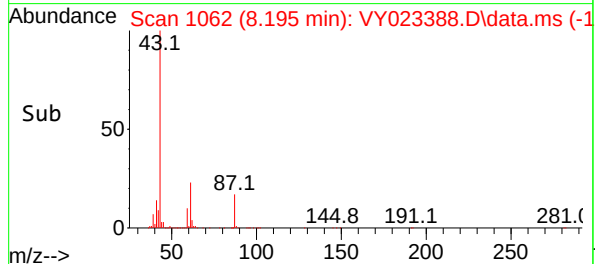
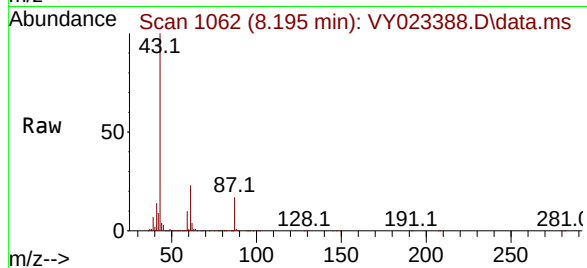
87 16.6 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#44

Trichloroethene

Concen: 99.245 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY023388.D

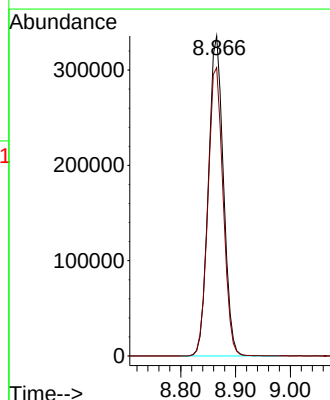
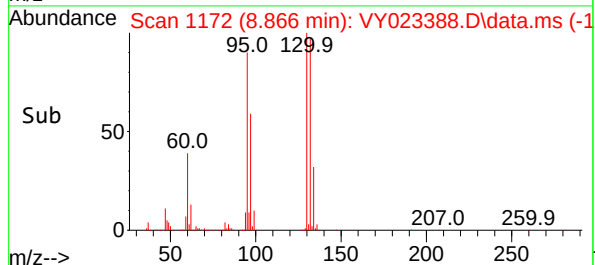
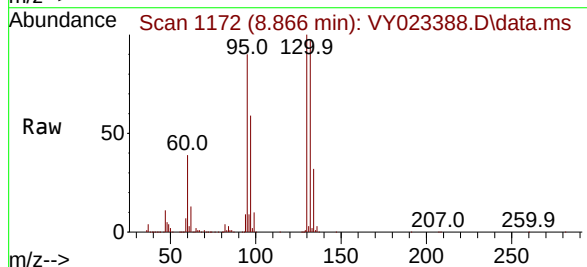
Acq: 07 Oct 2025 12:09

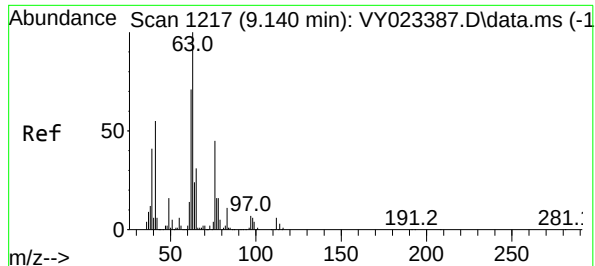
Tgt Ion:130 Resp: 636149

Ion Ratio Lower Upper

130 100

95 90.1 0.0 180.6





#45

1,2-Dichloropropane

Concen: 94.381 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 485084

Ion Ratio Lower Upper

63 100

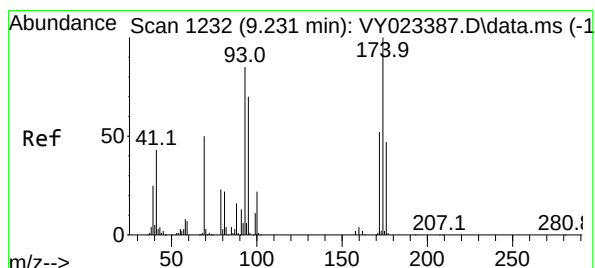
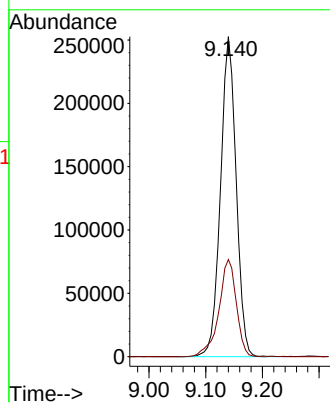
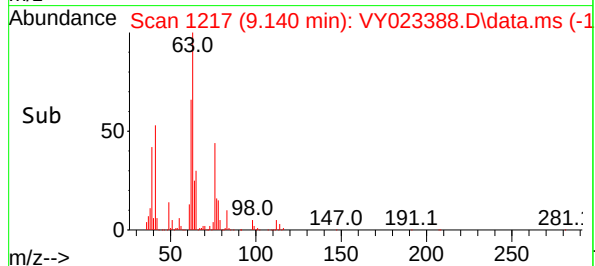
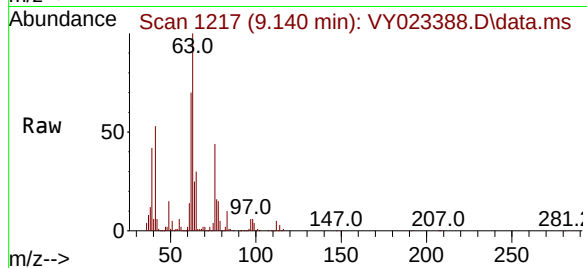
65 30.3 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

Concen: 98.596 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

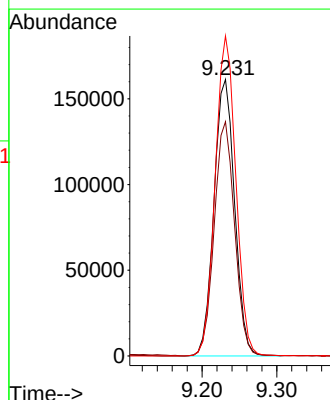
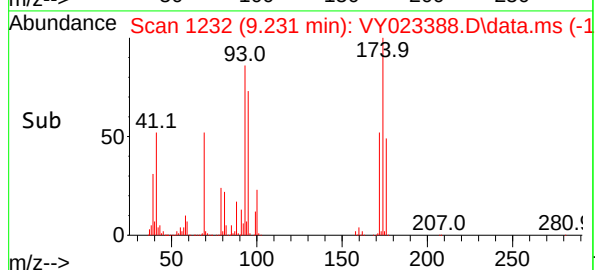
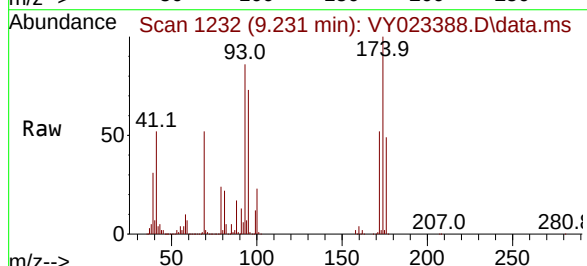
Tgt Ion: 93 Resp: 309964

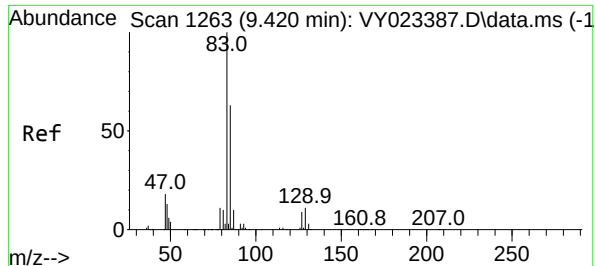
Ion Ratio Lower Upper

93 100

95 83.8 65.4 98.0

174 115.6 92.9 139.3





#47

Bromodichloromethane

Concen: 97.210 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 769238

Ion Ratio Lower Upper

83 100

85 64.1 50.8 76.2

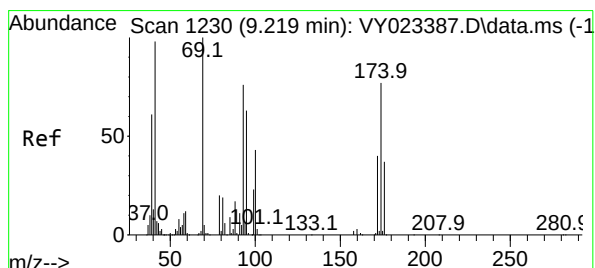
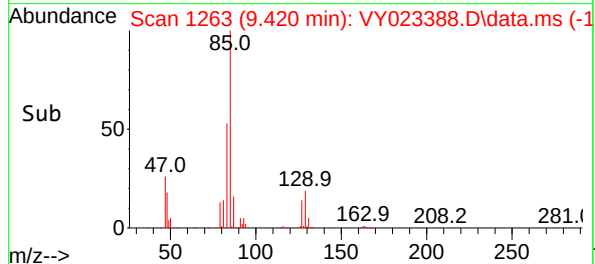
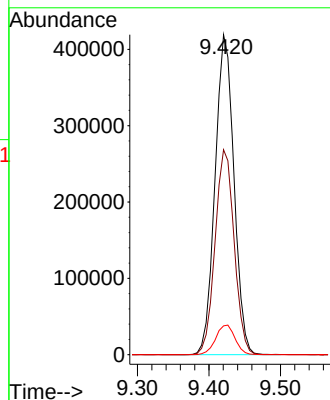
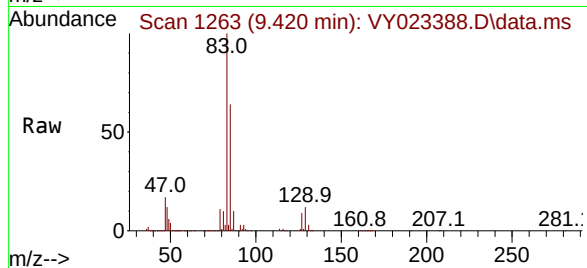
127 9.0 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#48

Methyl methacrylate

Concen: 107.476 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

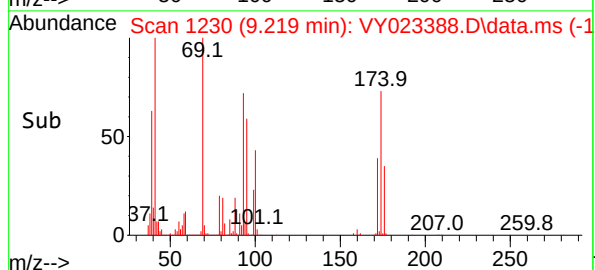
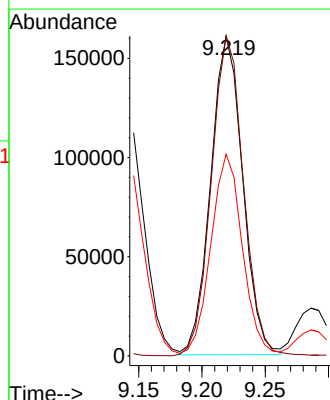
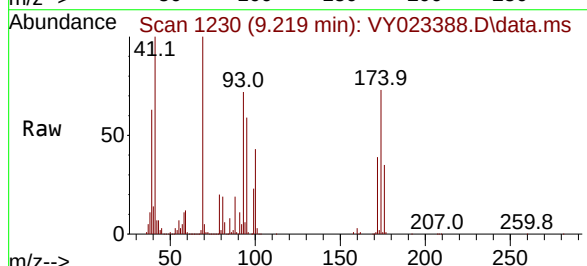
Tgt Ion: 41 Resp: 282582

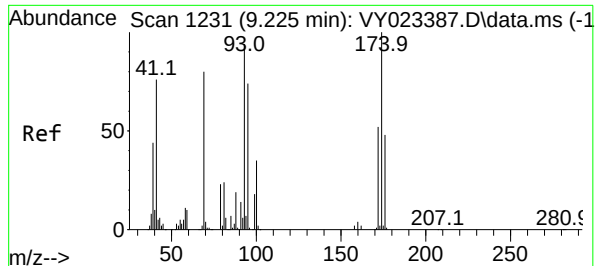
Ion Ratio Lower Upper

41 100

69 100.8 81.0 121.4

39 60.9 48.2 72.4





#49

1,4-Dioxane

Concen: 2374.722 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

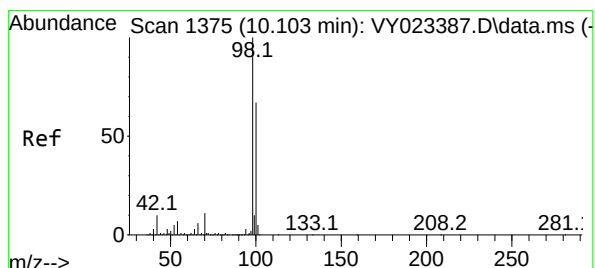
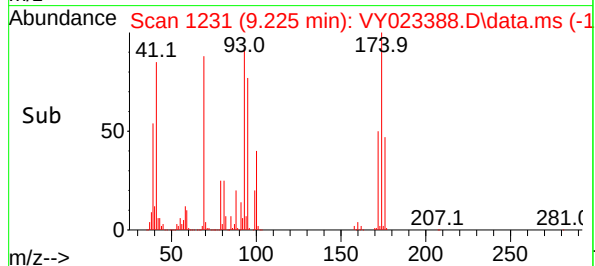
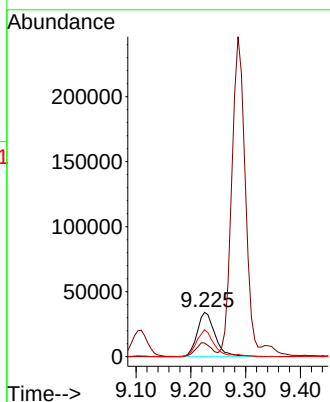
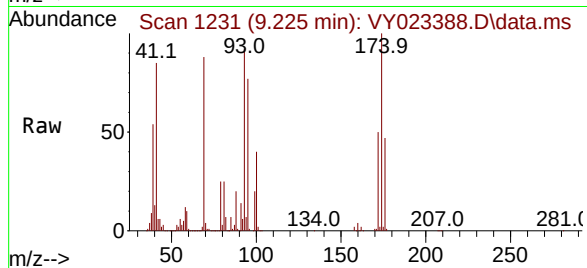
ClientSampleId :

VSTDICC100

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 77308 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 27.5  | 21.8  | 32.8  |
| 58       | 58.0  | 46.8  | 70.2  |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#50

Toluene-d8

Concen: 98.031 ug/l

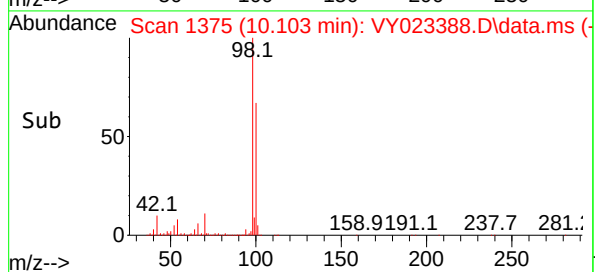
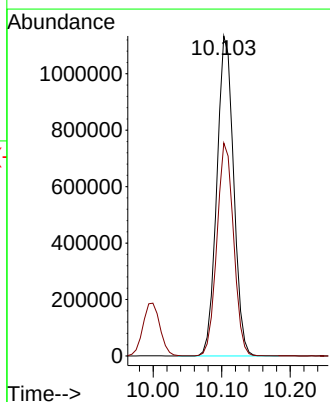
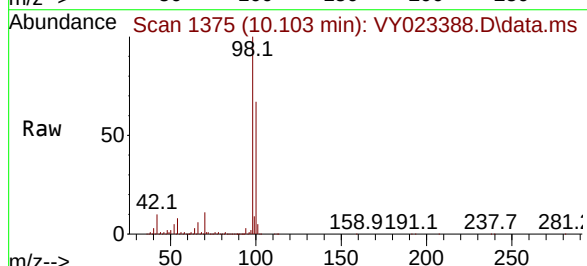
RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

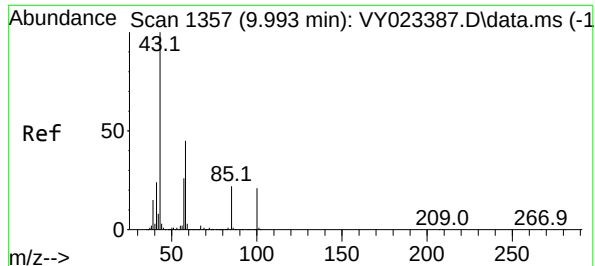
Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 98    | Resp: | 1919872 |
| Ion      | Ratio | Lower | Upper   |
| 98       | 100   |       |         |
| 100      | 66.3  | 53.0  | 79.4    |







#51

4-Methyl-2-Pentanone

Concen: 533.386 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 1539324

Ion Ratio Lower Upper

43 100

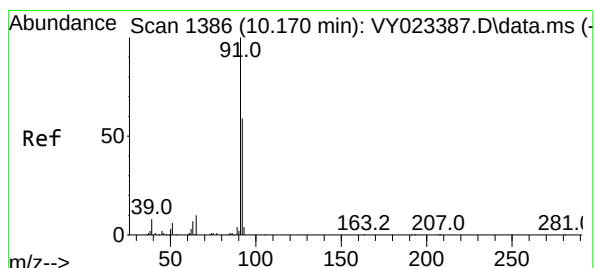
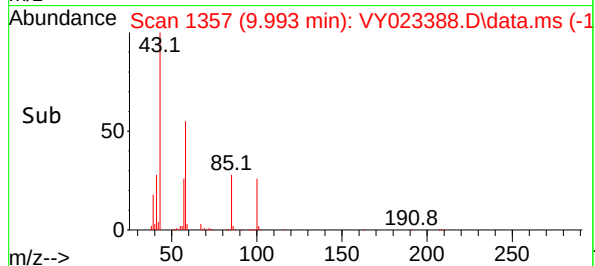
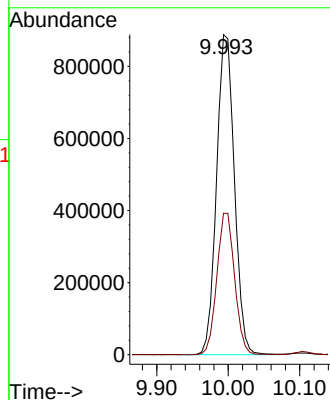
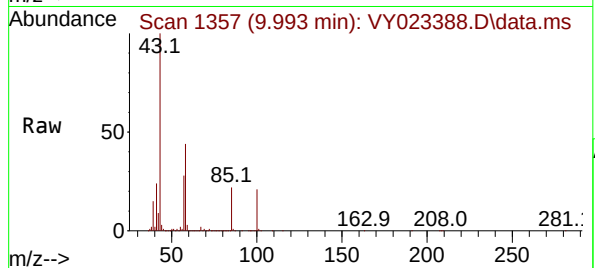
58 44.0 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#52

Toluene

Concen: 100.905 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VY023388.D

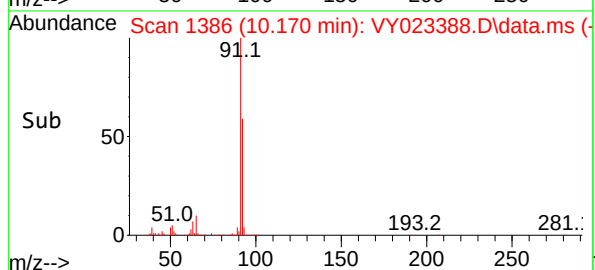
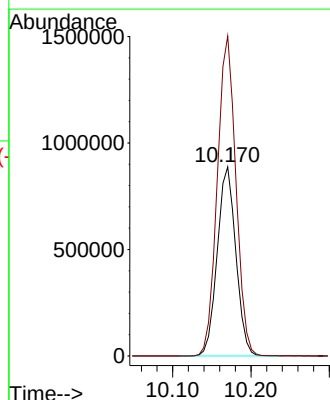
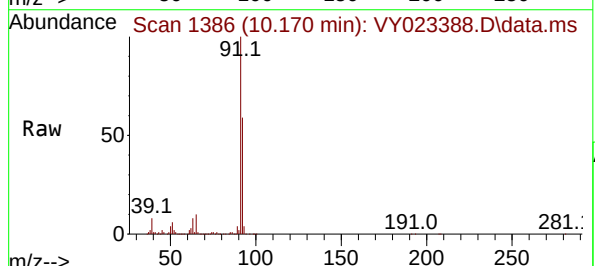
Acq: 07 Oct 2025 12:09

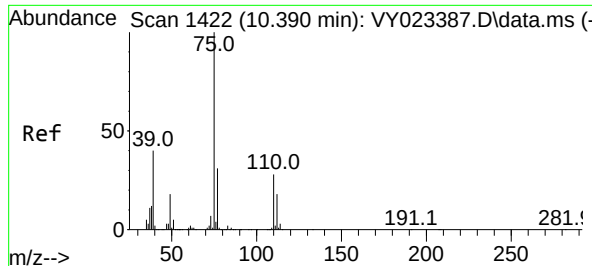
Tgt Ion: 92 Resp: 1462927

Ion Ratio Lower Upper

92 100

91 169.6 136.4 204.6





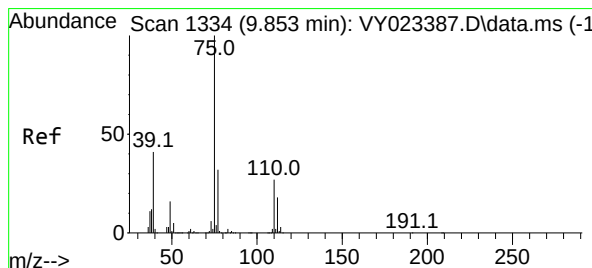
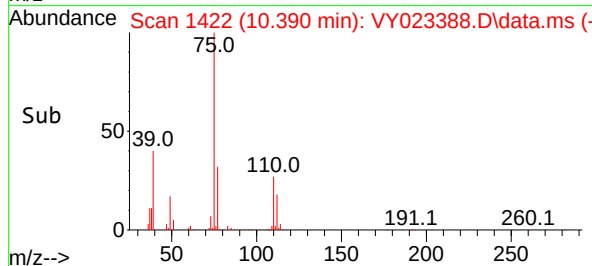
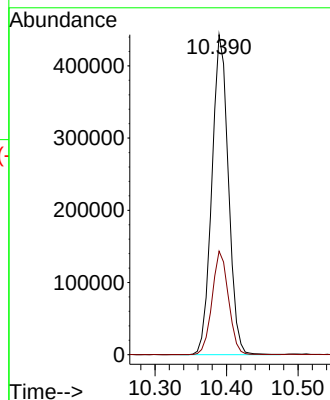
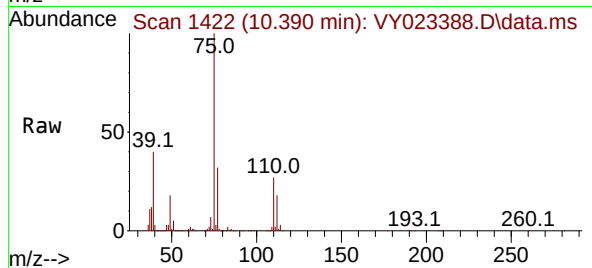
#53  
t-1,3-Dichloropropene  
Concen: 104.537 ug/l  
RT: 10.390 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

Tgt Ion: 75 Resp: 710475  
Ion Ratio Lower Upper  
75 100  
77 32.3 25.1 37.7

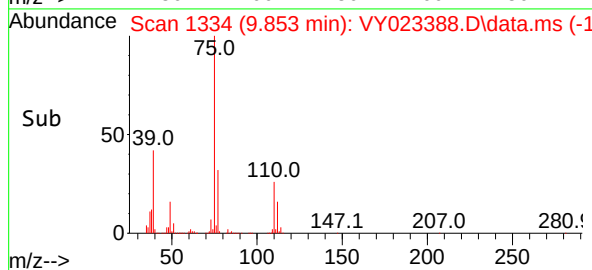
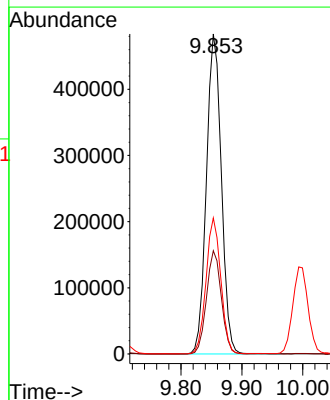
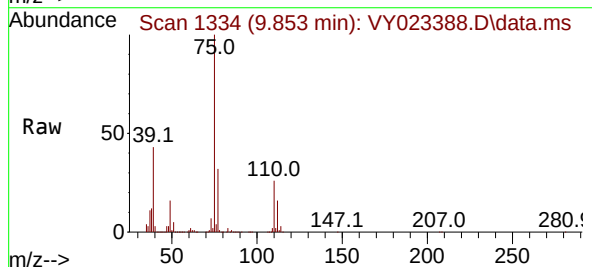
Manual Integrations  
APPROVED

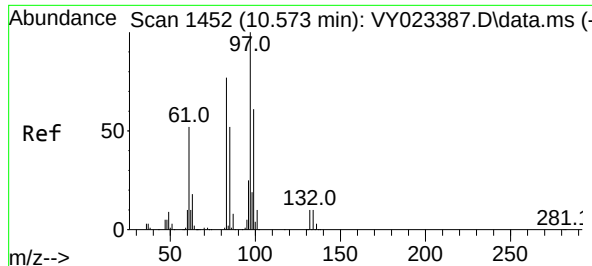
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#54  
cis-1,3-Dichloropropene  
Concen: 101.302 ug/l  
RT: 9.853 min Scan# 1334  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 822967  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.4 38.0  
39 42.5 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 99.875 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 41762

Ion Ratio Lower Upper

97 100

83 81.3 61.8 92.6

85 53.6 41.3 61.9

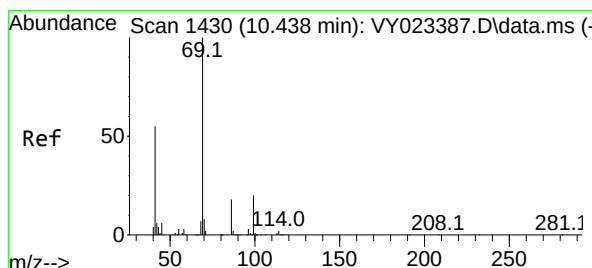
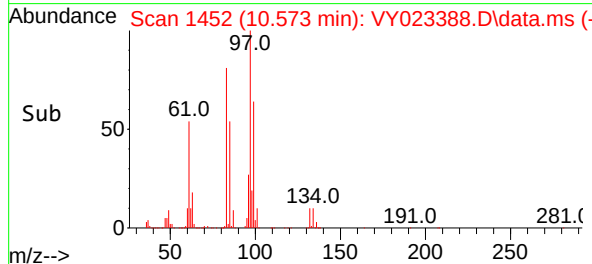
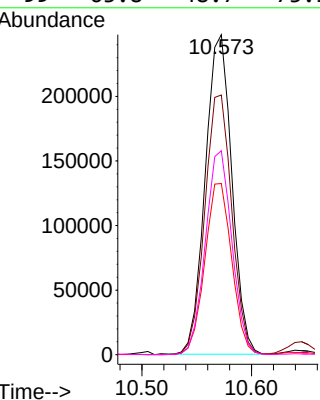
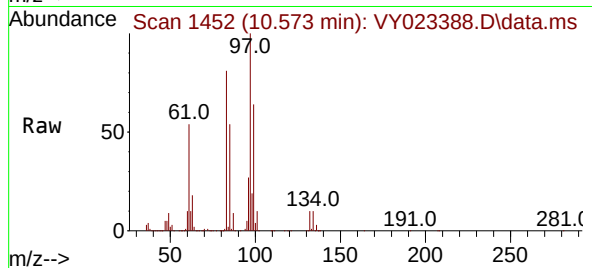
99 63.8 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#56

Ethyl methacrylate

Concen: 114.077 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

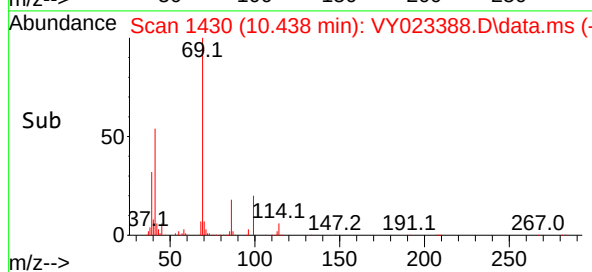
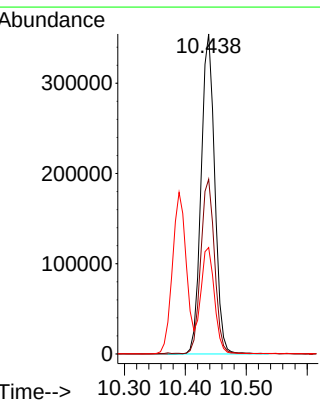
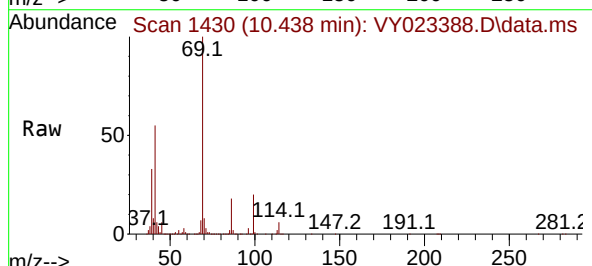
Tgt Ion: 69 Resp: 549366

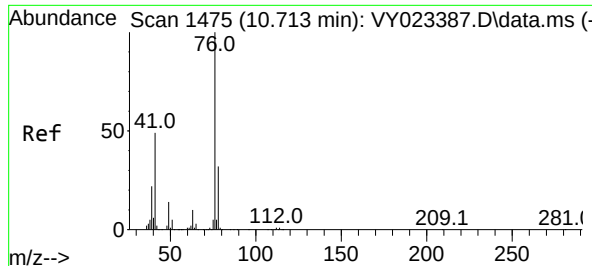
Ion Ratio Lower Upper

69 100

41 55.1 44.6 67.0

39 33.3 27.0 40.4





#57

1,3-Dichloropropane

Concen: 99.140 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 67096

Ion Ratio Lower Upper

76 100

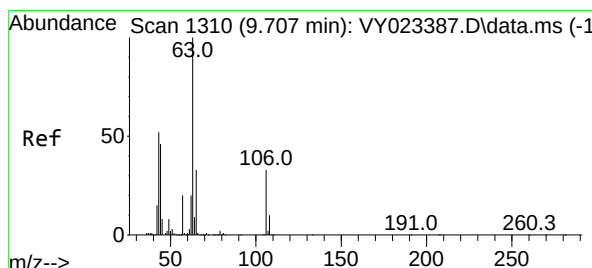
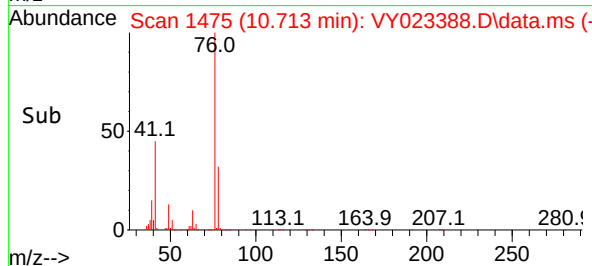
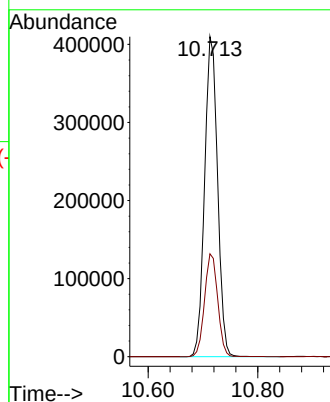
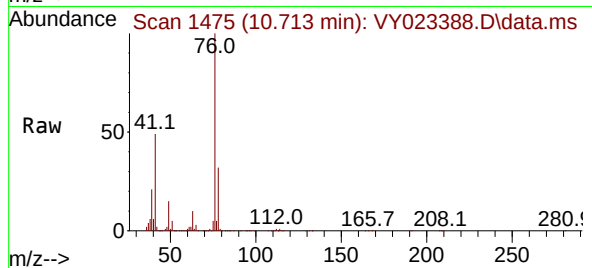
78 32.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#58

2-Chloroethyl Vinyl ether

Concen: 588.731 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.000 min

Lab File: VY023388.D

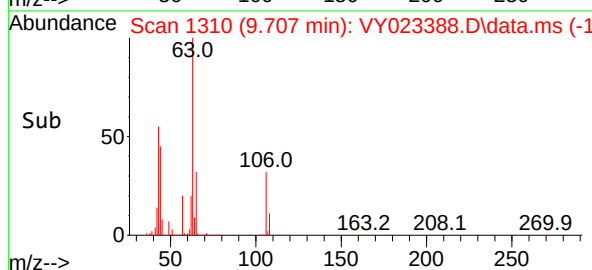
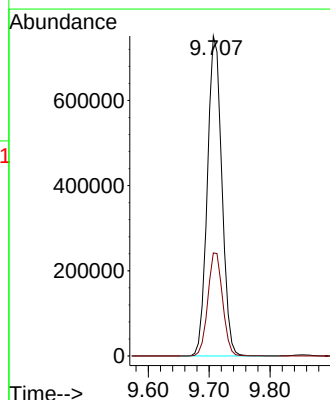
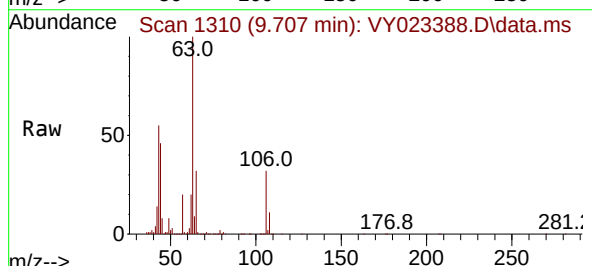
Acq: 07 Oct 2025 12:09

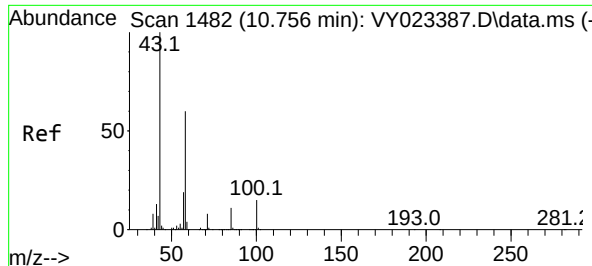
Tgt Ion: 63 Resp: 1240361

Ion Ratio Lower Upper

63 100

106 32.8 26.6 39.8





#59

2-Hexanone

Concen: 541.284 ug/l

RT: 10.755 min Scan# 1482

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 108156

Ion Ratio Lower Upper

43 100

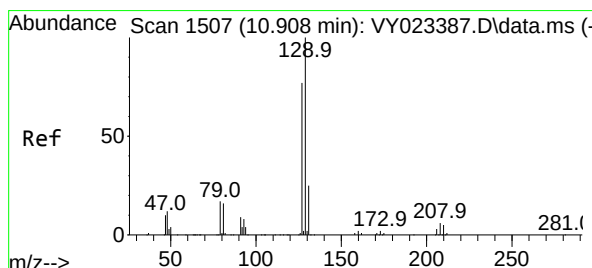
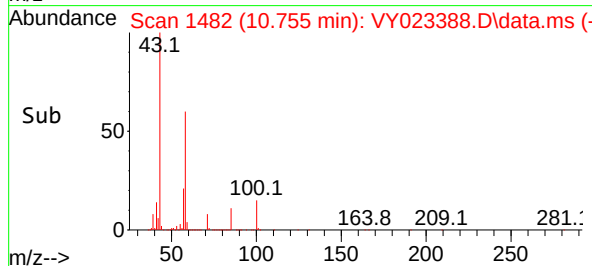
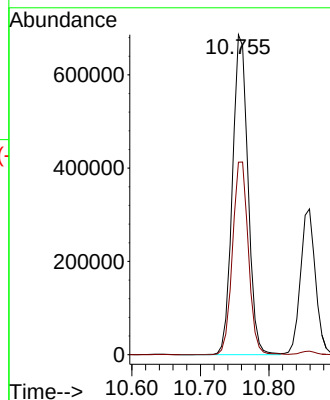
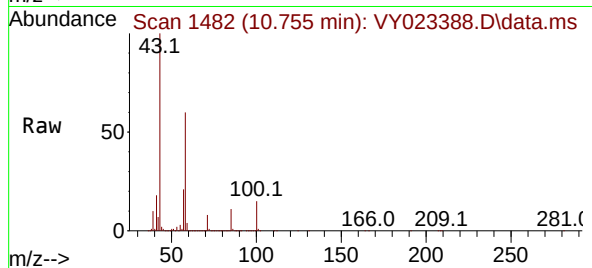
58 61.5 30.5 91.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#60

Dibromochloromethane

Concen: 104.133 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.000 min

Lab File: VY023388.D

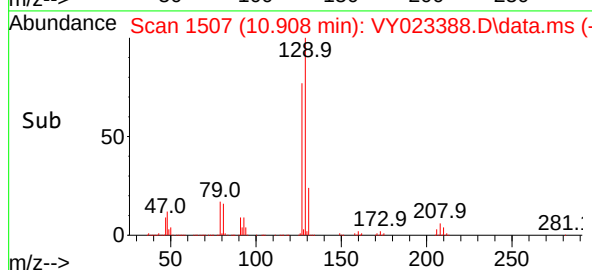
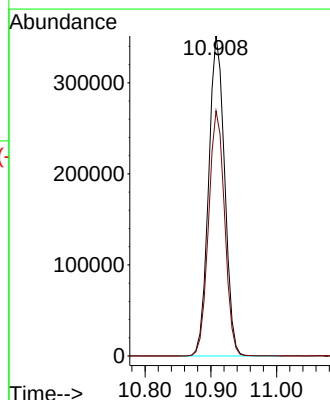
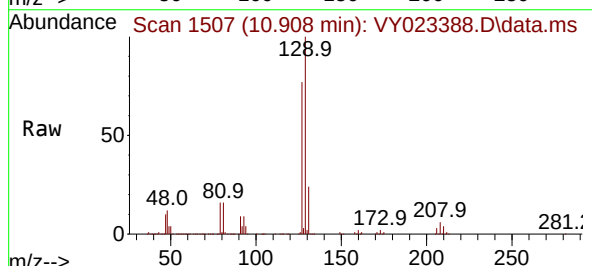
Acq: 07 Oct 2025 12:09

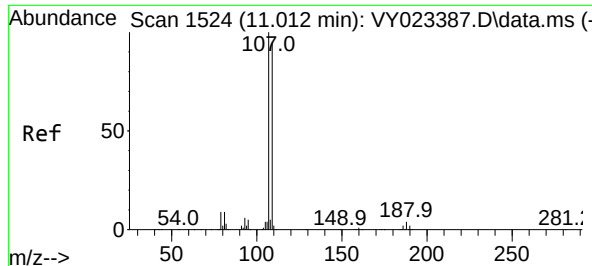
Tgt Ion:129 Resp: 593878

Ion Ratio Lower Upper

129 100

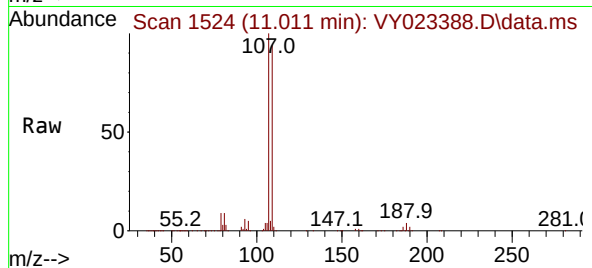
127 76.9 38.6 115.7





#61  
1,2-Dibromoethane  
Concen: 103.280 ug/l  
RT: 11.011 min Scan# 1524  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

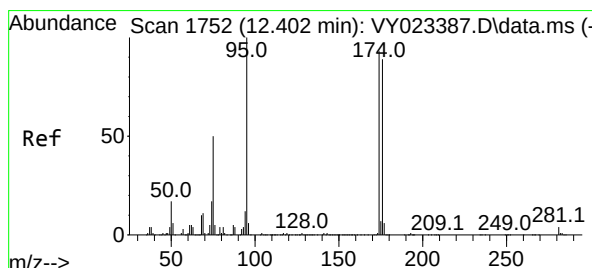
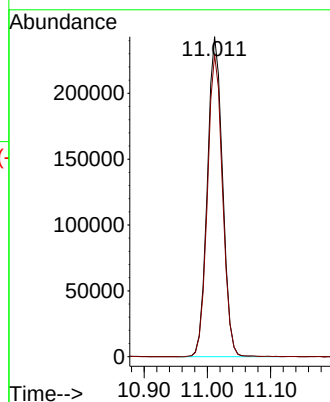
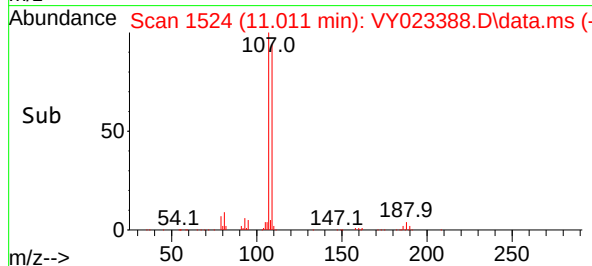
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100



Tgt Ion:107 Resp: 406293  
Ion Ratio Lower Upper  
107 100  
109 94.0 76.1 114.1

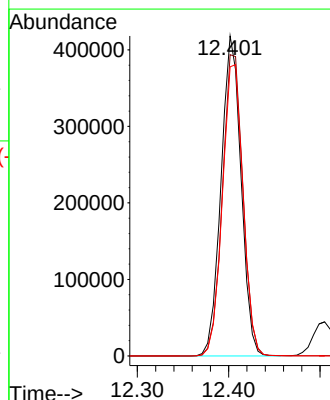
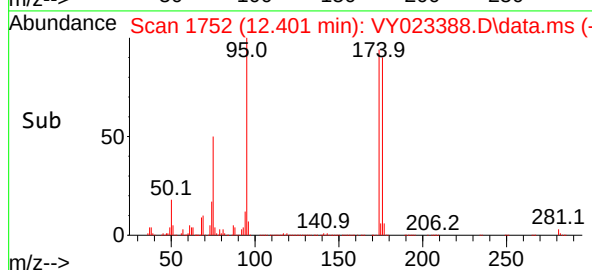
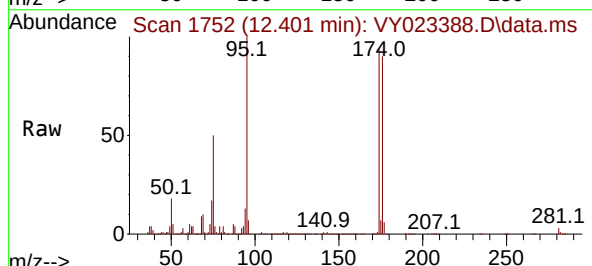
Manual Integrations  
APPROVED

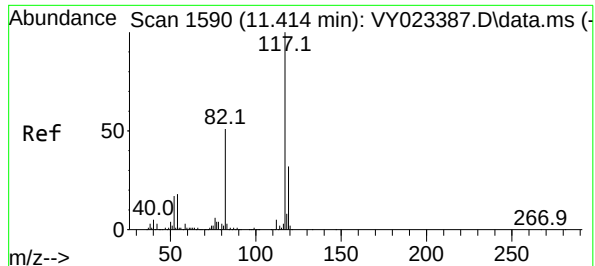
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#62  
4-Bromofluorobenzene  
Concen: 103.007 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Tgt Ion: 95 Resp: 636435  
Ion Ratio Lower Upper  
95 100  
174 96.7 0.0 192.8  
176 94.1 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion:117 Resp: 76436

Ion Ratio Lower Upper

117 100

82 49.3 41.0 61.4

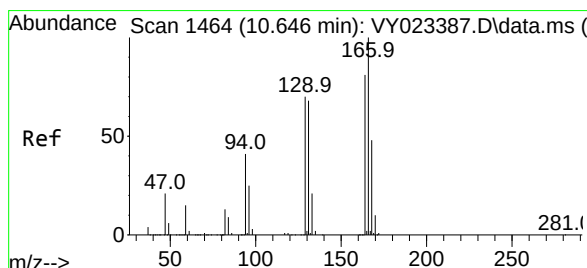
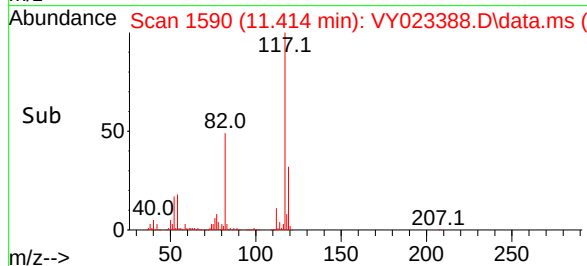
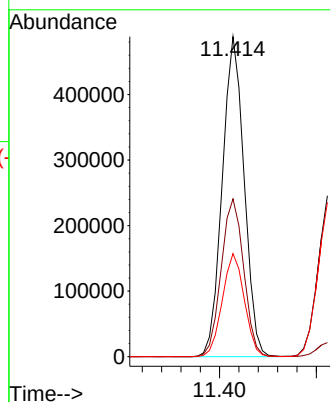
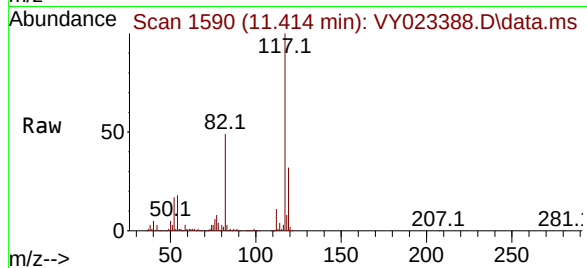
119 32.2 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#64

Tetrachloroethene

Concen: 100.406 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Tgt Ion:164 Resp: 767753

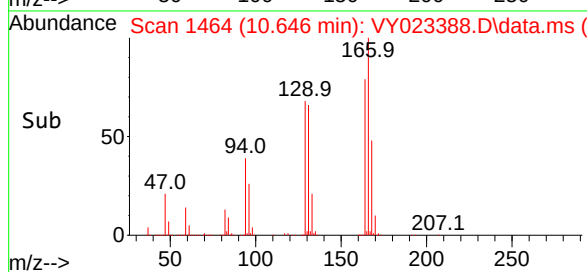
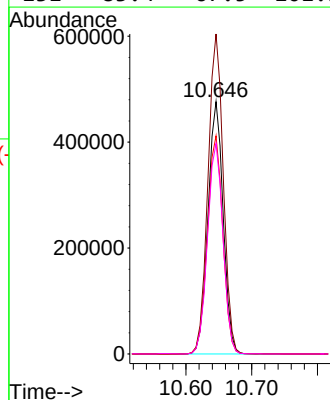
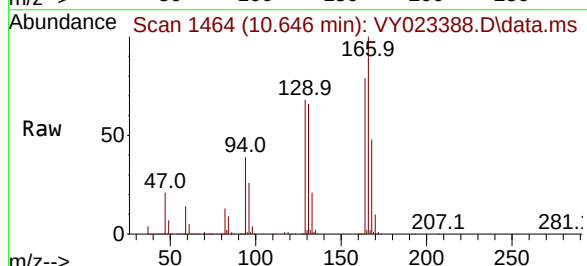
Ion Ratio Lower Upper

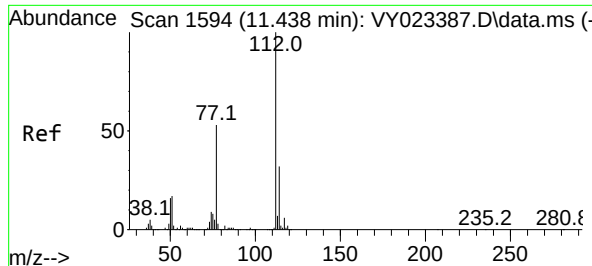
164 100

166 126.9 99.4 149.0

129 86.5 69.4 104.2

131 83.4 67.5 101.3





#65

Chlorobenzene

Concen: 99.649 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion:112 Resp: 165514

Ion Ratio Lower Upper

112 100

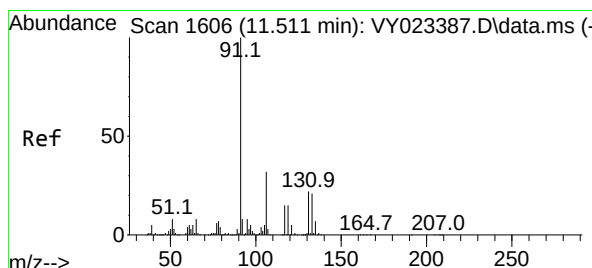
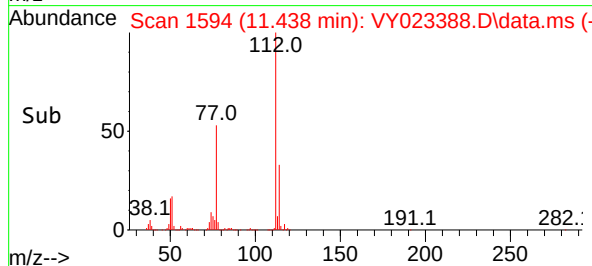
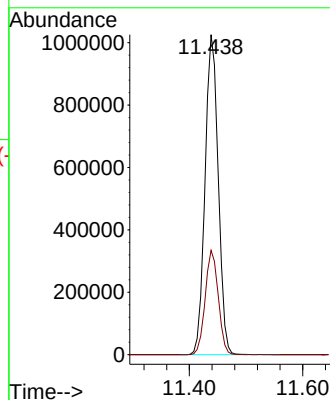
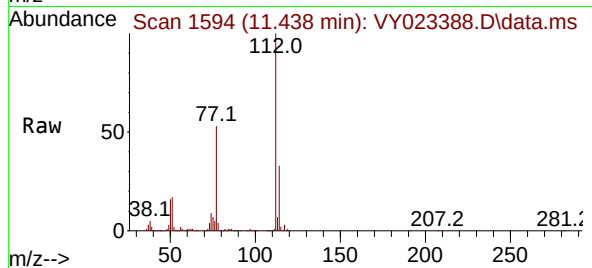
114 32.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 100.470 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

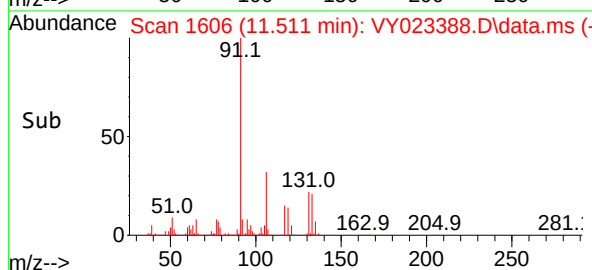
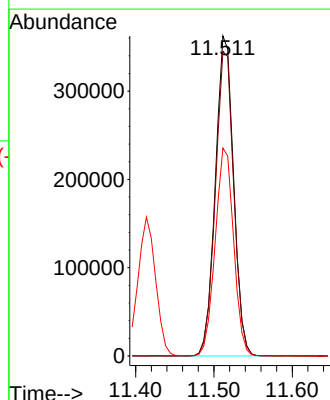
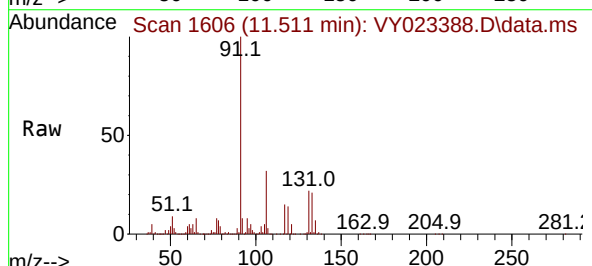
Tgt Ion:131 Resp: 586878

Ion Ratio Lower Upper

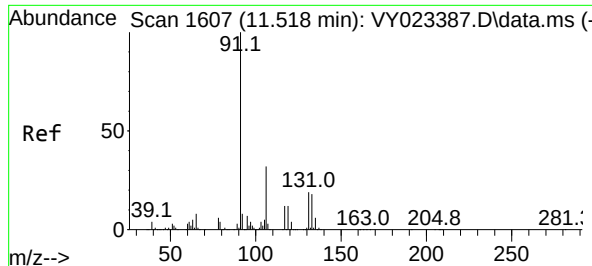
131 100

133 96.0 48.4 145.2

119 65.7 32.4 97.2







#67

Ethyl Benzene

Concen: 102.856 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 278825

Ion Ratio Lower Upper

91 100

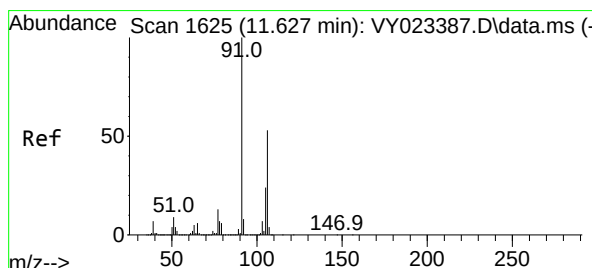
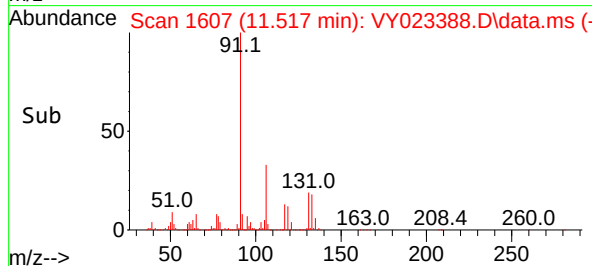
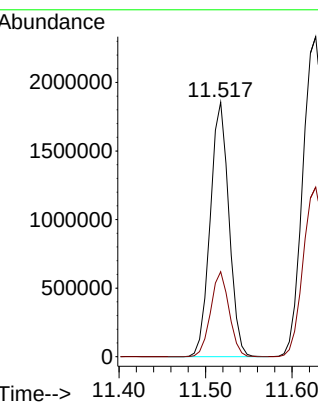
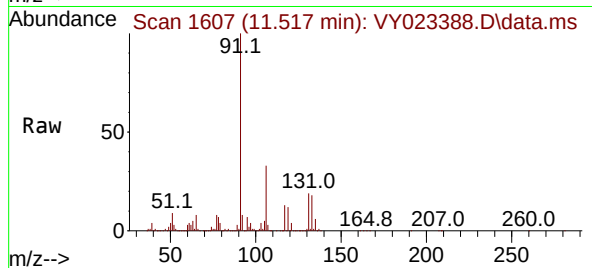
106 33.4 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#68

m/p-Xylenes

Concen: 206.437 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023388.D

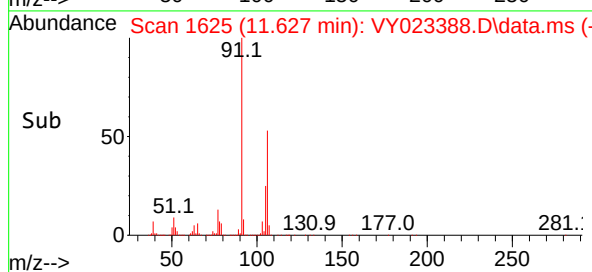
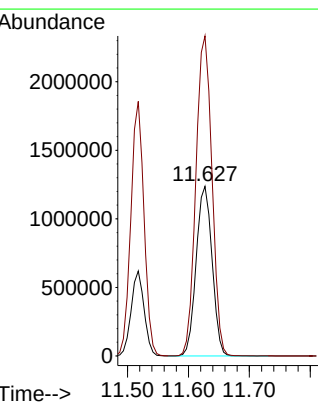
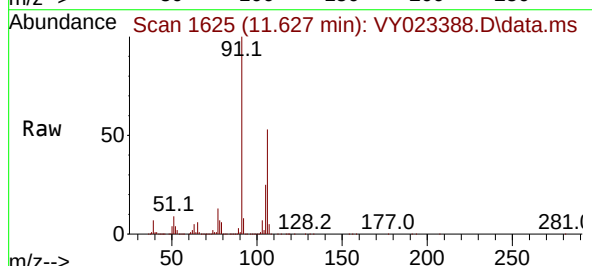
Acq: 07 Oct 2025 12:09

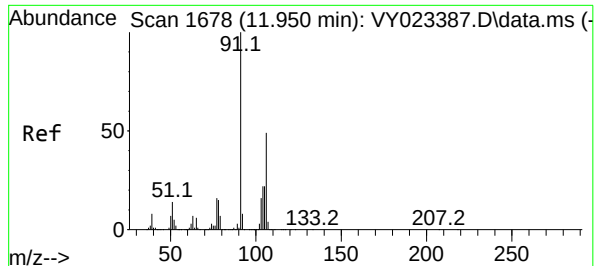
Tgt Ion:106 Resp: 2243033

Ion Ratio Lower Upper

106 100

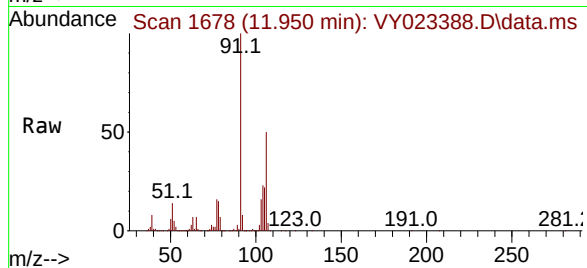
91 190.5 152.6 229.0





#69  
o-Xylene  
Concen: 106.611 ug/l  
RT: 11.950 min Scan# 1678  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

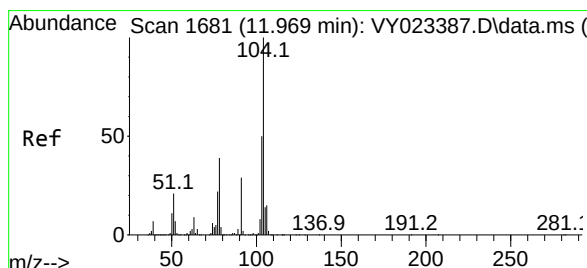
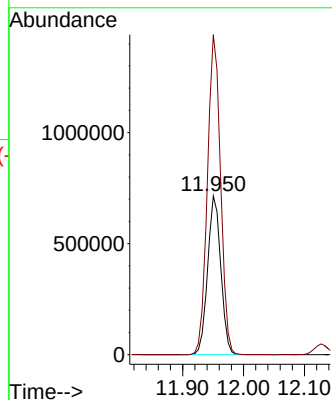
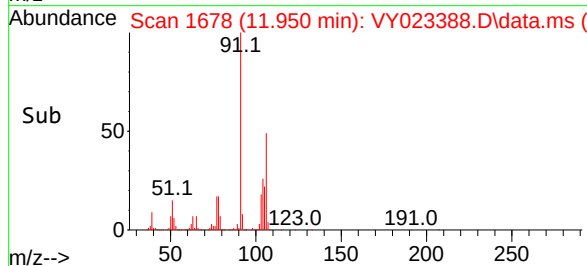
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100



Tgt Ion:106 Resp: 1072335  
Ion Ratio Lower Upper  
106 100  
91 201.8 101.4 304.1

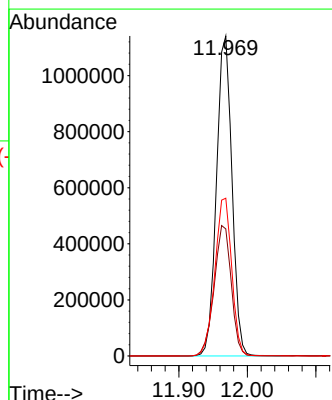
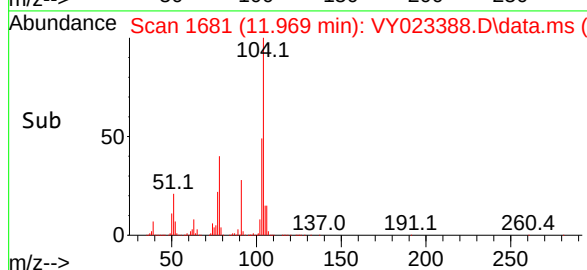
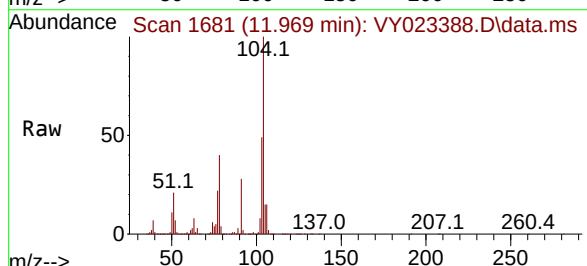
Manual Integrations  
APPROVED

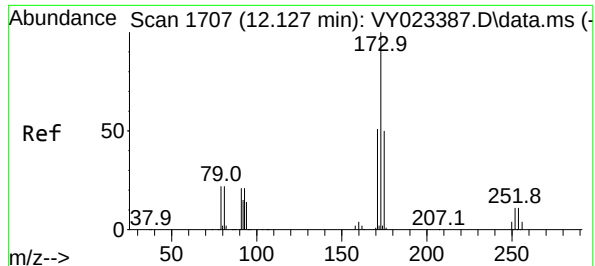
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#70  
Styrene  
Concen: 107.344 ug/l  
RT: 11.969 min Scan# 1681  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

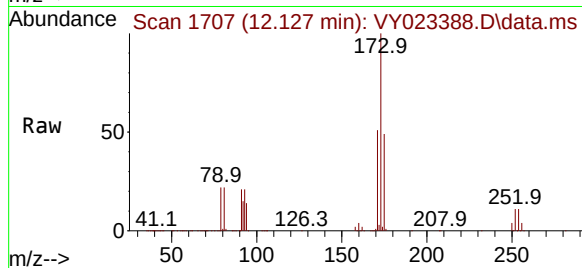
Tgt Ion:104 Resp: 1782757  
Ion Ratio Lower Upper  
104 100  
78 45.3 36.1 54.1  
103 53.9 43.2 64.8





#71  
Bromoform  
Concen: 106.727 ug/l  
RT: 12.127 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

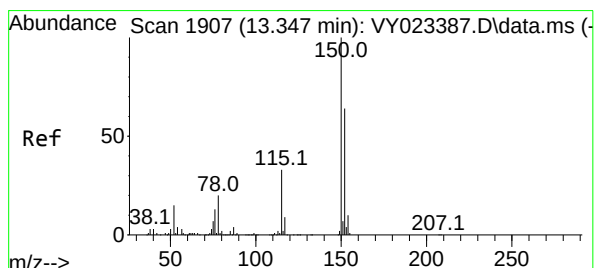
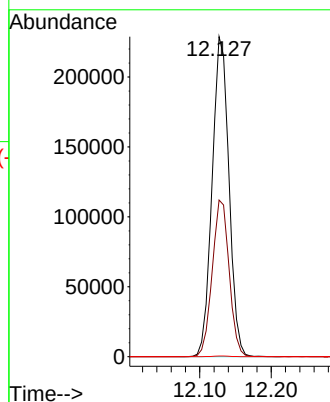
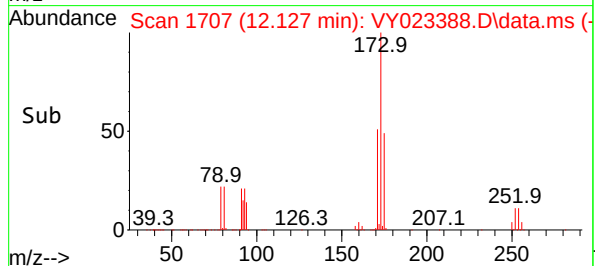
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100



Tgt Ion:173 Resp: 373208  
Ion Ratio Lower Upper  
173 100  
175 49.4 24.8 74.3  
254 0.2 0.1 0.1

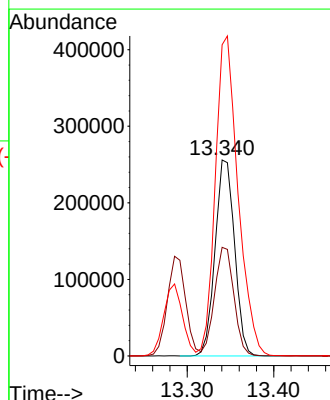
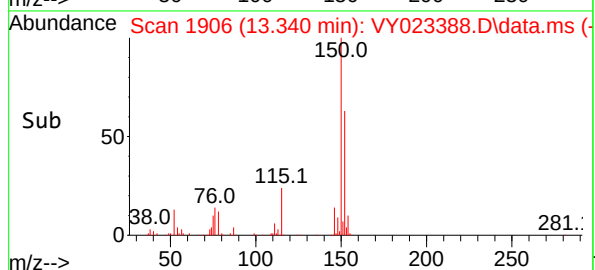
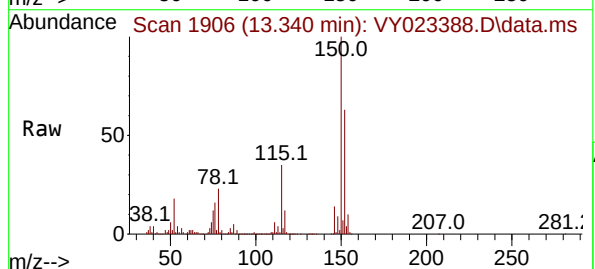
Manual Integrations  
APPROVED

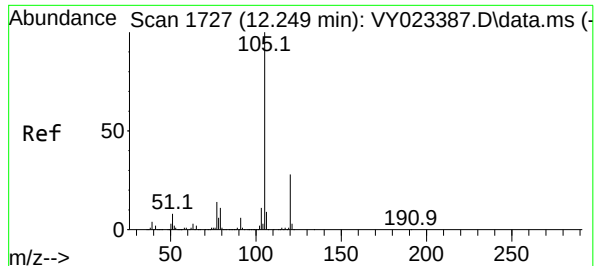
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.340 min Scan# 1906  
Delta R.T. -0.006 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

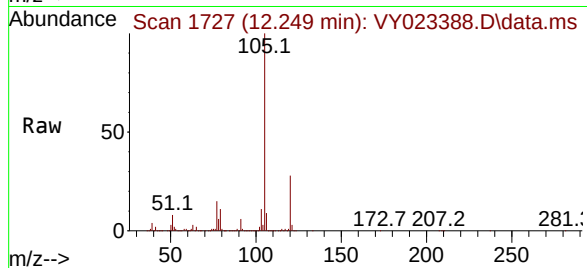
Tgt Ion:152 Resp: 400285  
Ion Ratio Lower Upper  
152 100  
115 55.0 27.1 81.2  
150 190.0 0.0 347.4





#73  
Isopropylbenzene  
Concen: 102.825 ug/l  
RT: 12.249 min Scan# 1727  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

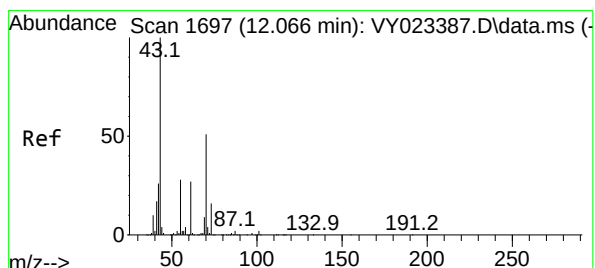
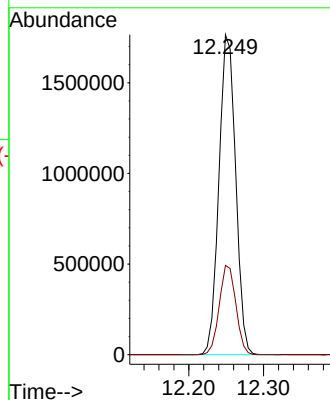
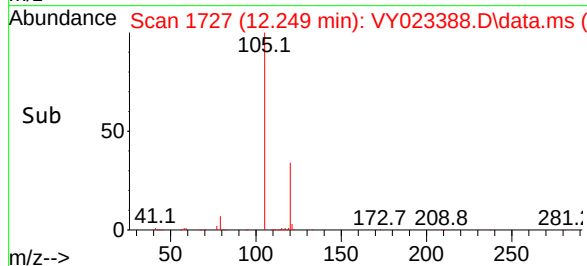
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100



Tgt Ion:105 Resp: 2741698  
Ion Ratio Lower Upper  
105 100  
120 27.7 13.9 41.7

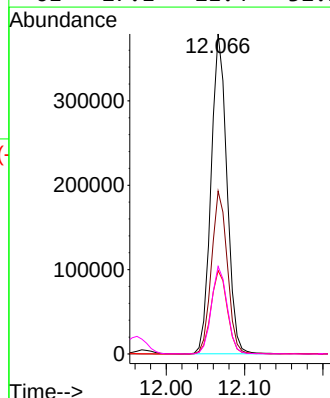
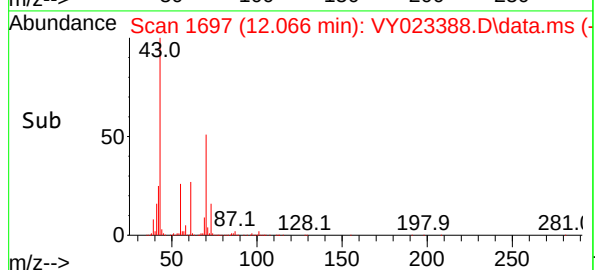
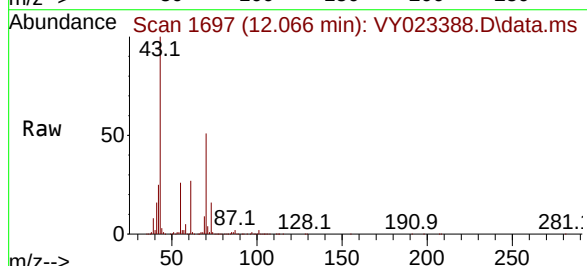
Manual Integrations  
APPROVED

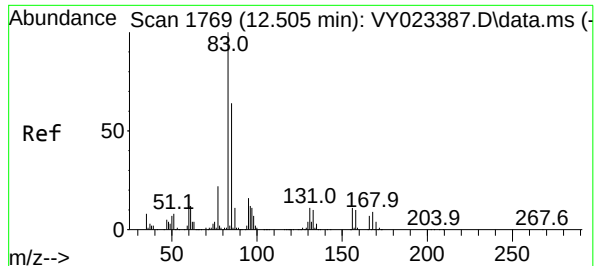
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#74  
N-ethyl acetate  
Concen: 106.818 ug/l  
RT: 12.066 min Scan# 1697  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 532255  
Ion Ratio Lower Upper  
43 100  
70 51.0 41.1 61.7  
55 26.8 23.0 34.6  
61 27.1 21.4 32.2





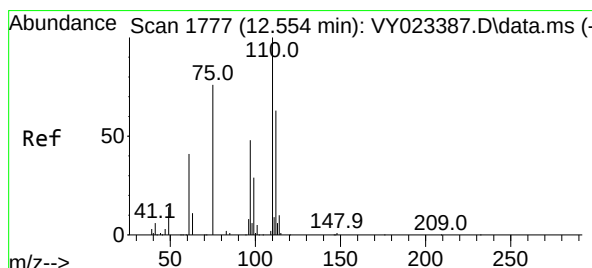
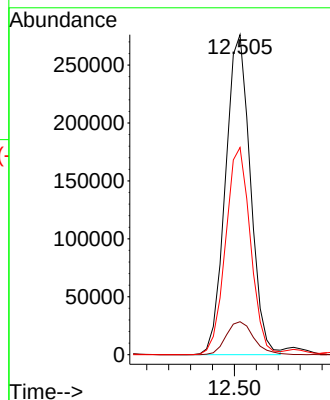
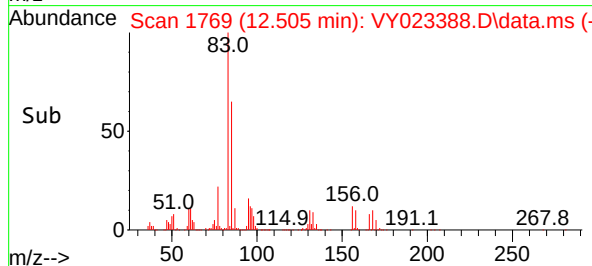
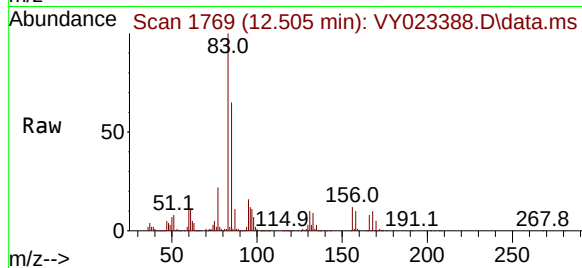
#75  
1,1,2,2-Tetrachloroethane  
Concen: 97.735 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

Tgt Ion: 83 Resp: 434720  
Ion Ratio Lower Upper  
83 100  
131 11.5 5.9 17.6  
85 64.9 31.8 95.3

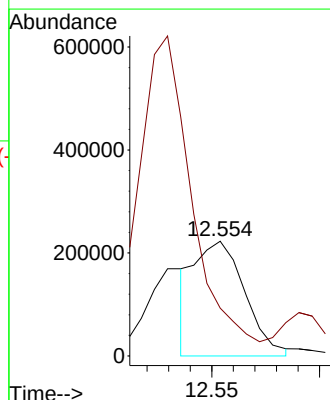
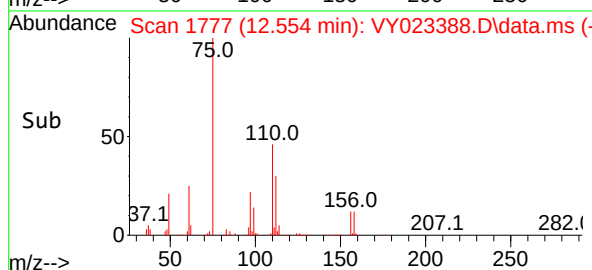
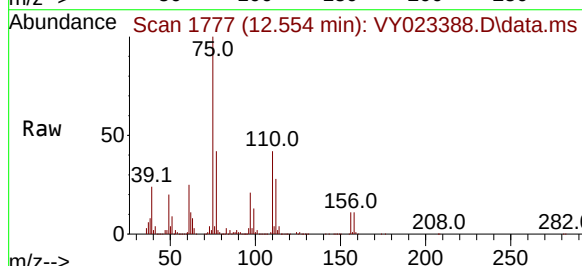
Manual Integrations  
APPROVED

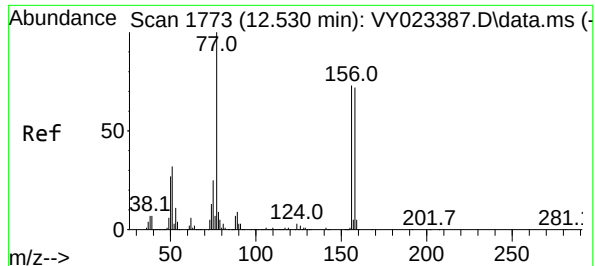
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#76  
1,2,3-Trichloropropane  
Concen: 92.345 ug/l m  
RT: 12.554 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

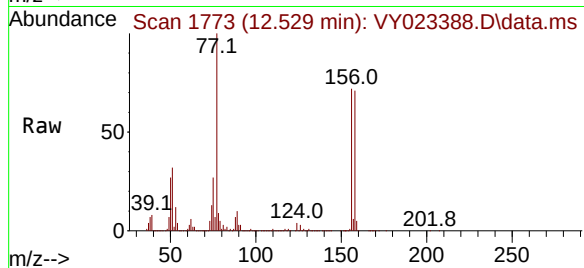
Tgt Ion: 75 Resp: 364622  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77  
Bromobenzene  
Concen: 102.545 ug/l  
RT: 12.529 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

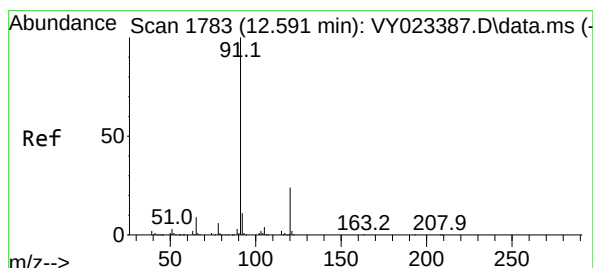
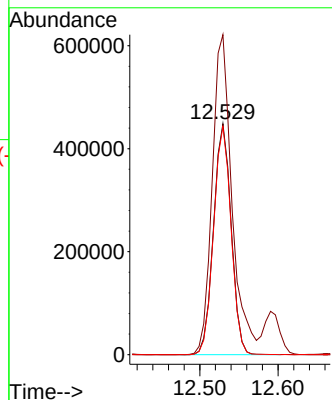
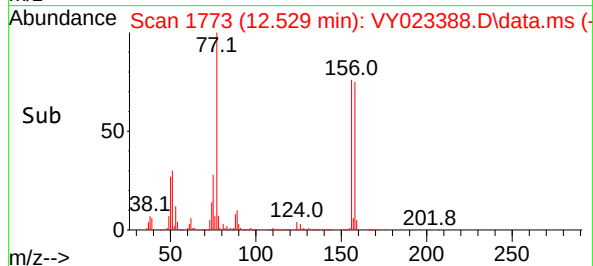
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100



Tgt Ion:156 Resp: 70174  
Ion Ratio Lower Upper  
156 100  
77 154.5 76.8 230.5  
158 98.1 49.0 147.2

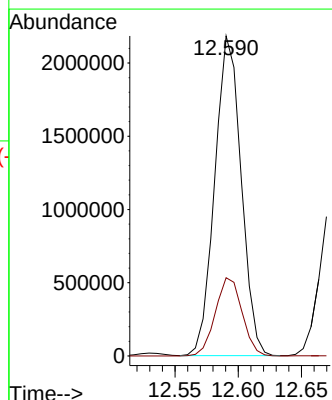
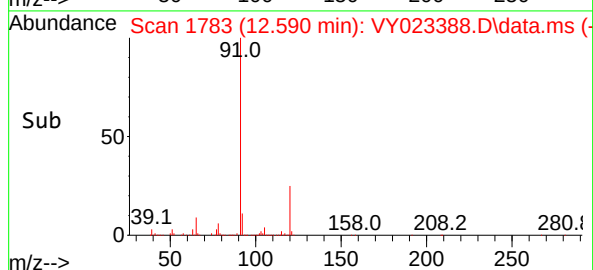
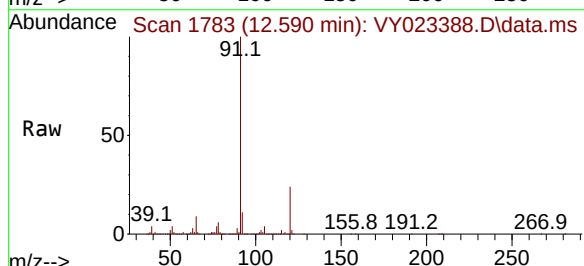
Manual Integrations  
APPROVED

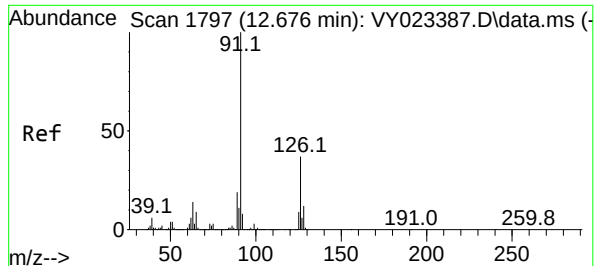
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#78  
n-propylbenzene  
Concen: 100.958 ug/l  
RT: 12.590 min Scan# 1783  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 3165894  
Ion Ratio Lower Upper  
91 100  
120 24.8 12.3 36.8





#79

2-Chlorotoluene

Concen: 99.426 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1800124

Ion Ratio Lower Upper

91 100

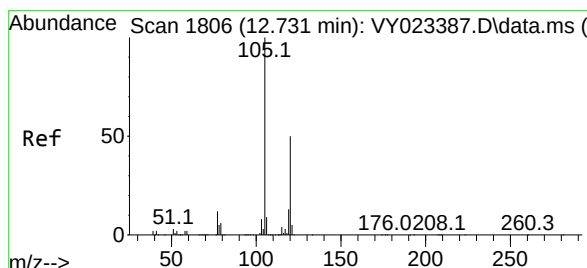
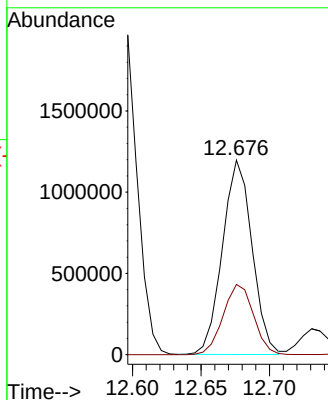
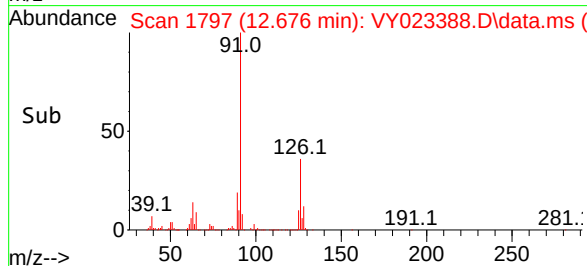
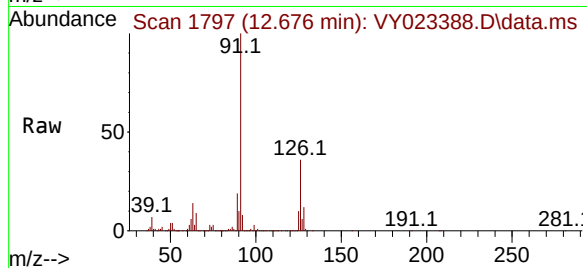
126 37.2 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 102.374 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VY023388.D

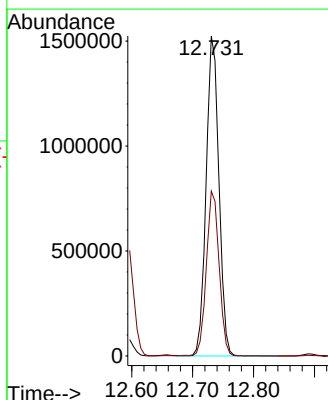
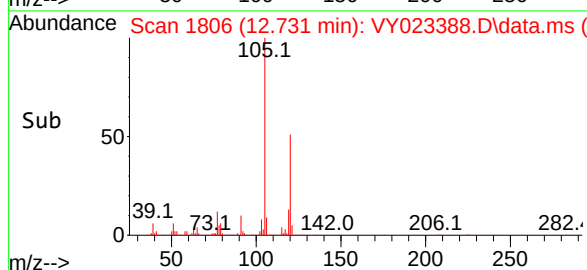
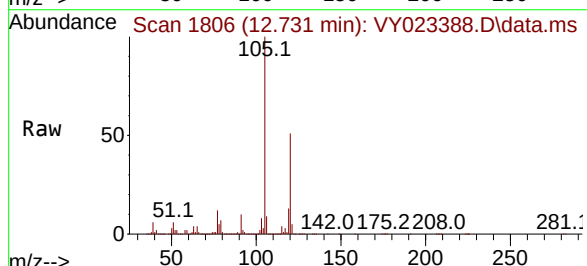
Acq: 07 Oct 2025 12:09

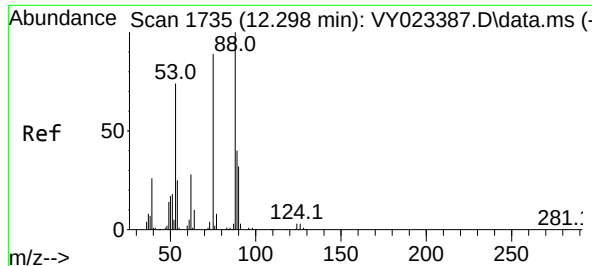
Tgt Ion:105 Resp: 2219080

Ion Ratio Lower Upper

105 100

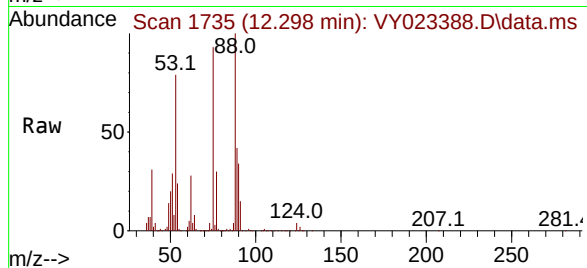
120 51.6 25.4 76.4





#81  
trans-1,4-Dichloro-2-butene  
Concen: 101.273 ug/l  
RT: 12.298 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

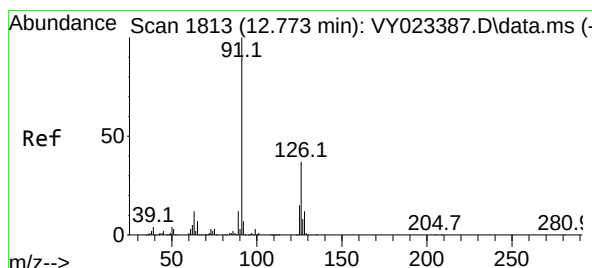
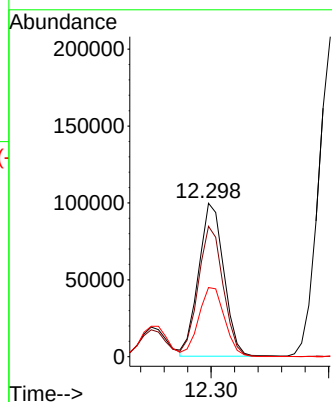
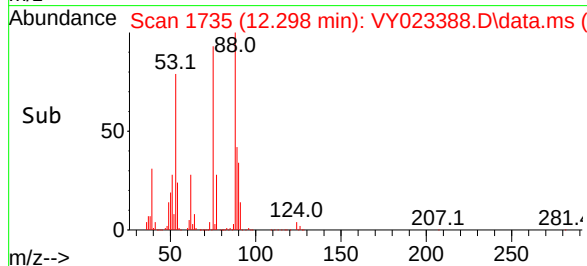
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100



Tgt Ion: 75 Resp: 148302  
Ion Ratio Lower Upper  
75 100  
53 84.5 68.6 102.8  
89 46.6 39.0 58.4

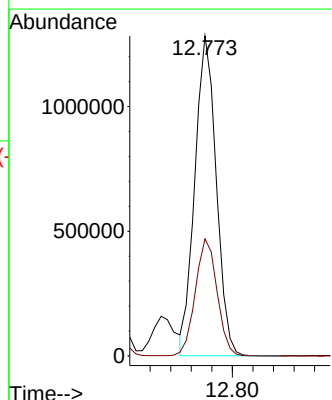
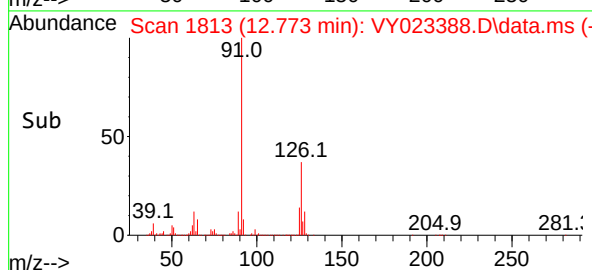
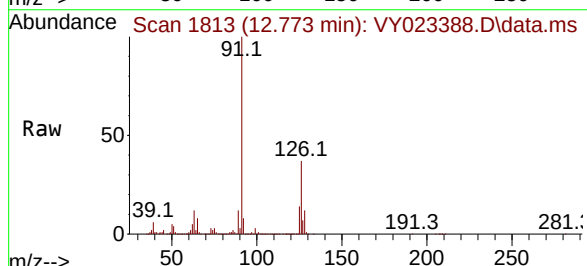
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

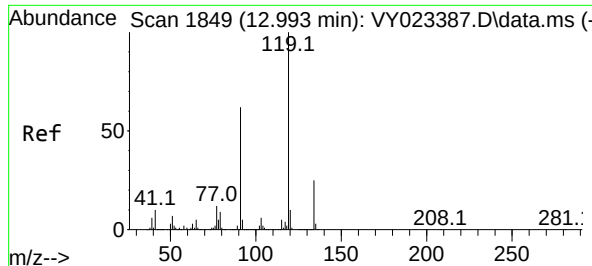


#82  
4-Chlorotoluene  
Concen: 98.060 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 1854165  
Ion Ratio Lower Upper  
91 100  
126 37.4 18.4 55.4







#83

tert-Butylbenzene

Concen: 102.684 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion:119 Resp: 2028198

Ion Ratio Lower Upper

119 100

91 61.9 29.9 89.8

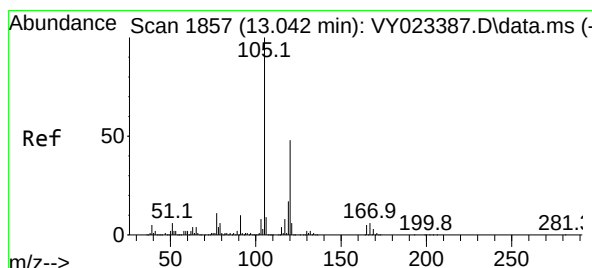
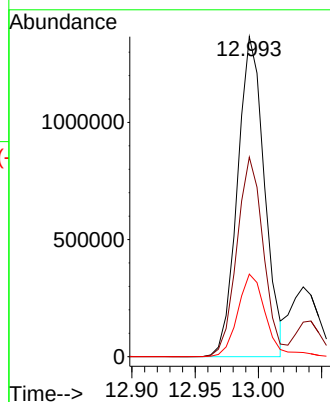
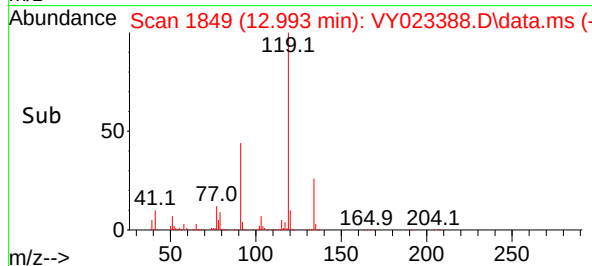
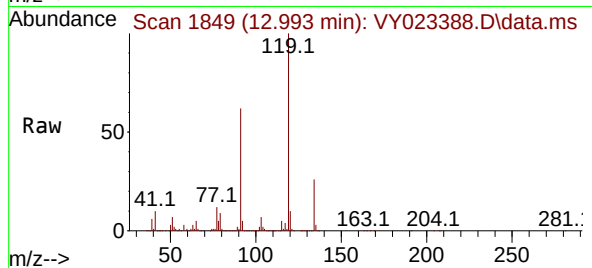
134 26.9 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#84

1,2,4-Trimethylbenzene

Concen: 103.853 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY023388.D

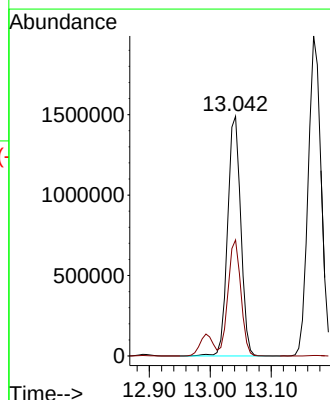
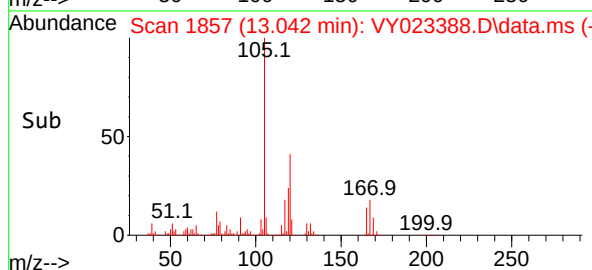
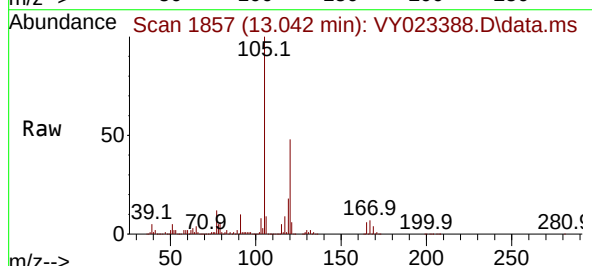
Acq: 07 Oct 2025 12:09

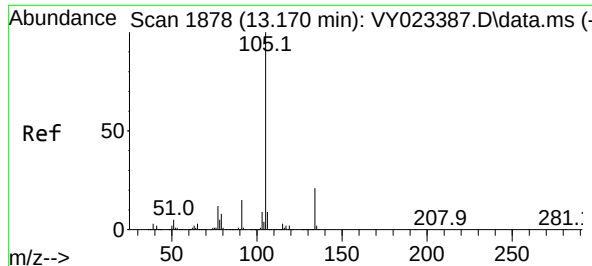
Tgt Ion:105 Resp: 2227197

Ion Ratio Lower Upper

105 100

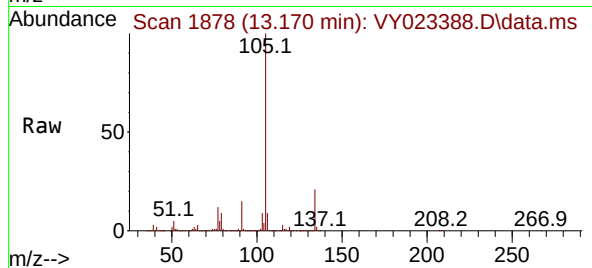
120 47.4 23.8 71.2





#85  
sec-Butylbenzene  
Concen: 102.530 ug/l  
RT: 13.170 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

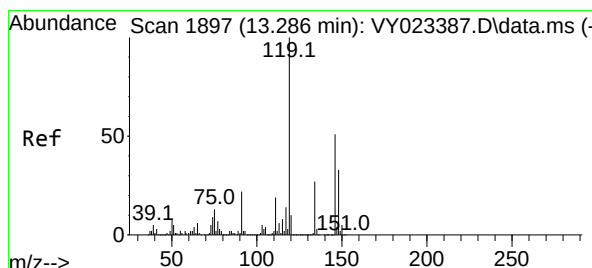
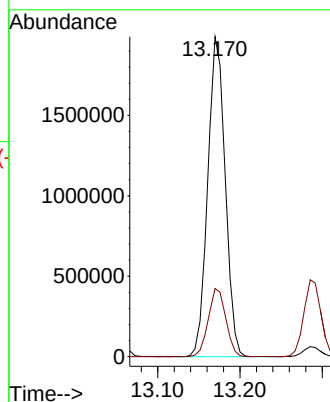
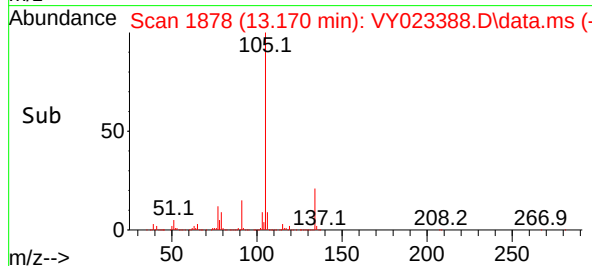
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100



Tgt Ion:105 Resp: 2932949  
Ion Ratio Lower Upper  
105 100  
134 21.5 10.7 32.1

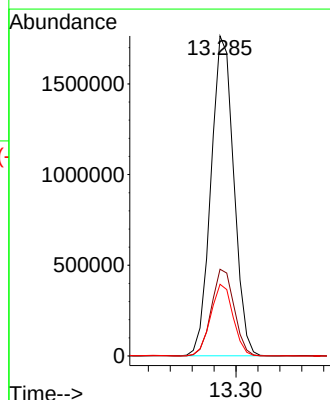
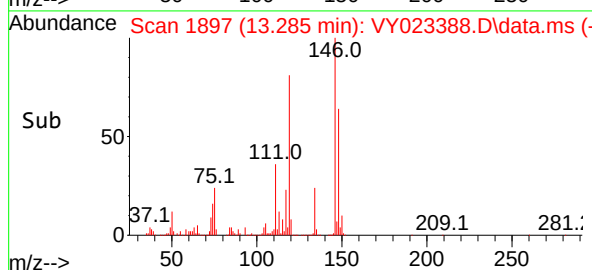
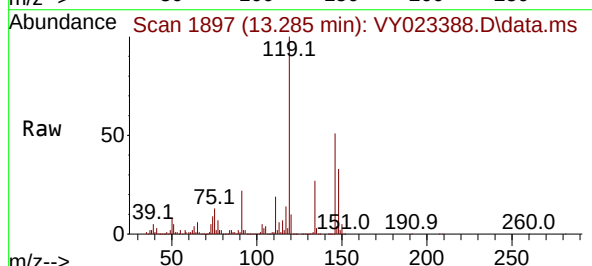
Manual Integrations  
APPROVED

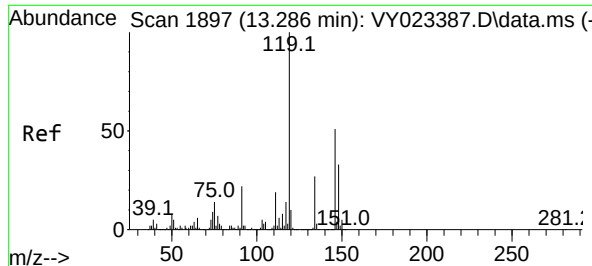
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#86  
p-Isopropyltoluene  
Concen: 105.408 ug/l  
RT: 13.285 min Scan# 1897  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Tgt Ion:119 Resp: 2548220  
Ion Ratio Lower Upper  
119 100  
134 27.0 13.6 40.7  
91 22.1 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 100.735 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 1361710

Ion Ratio Lower Upper

146 100

111 37.4 18.7 56.1

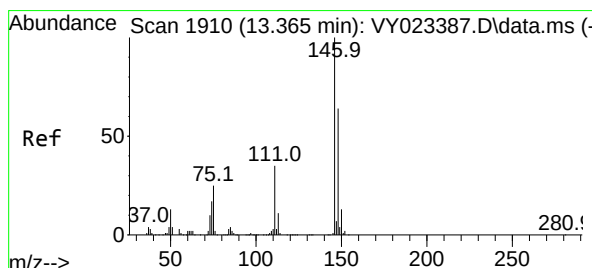
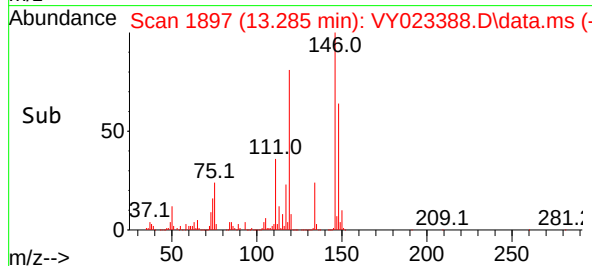
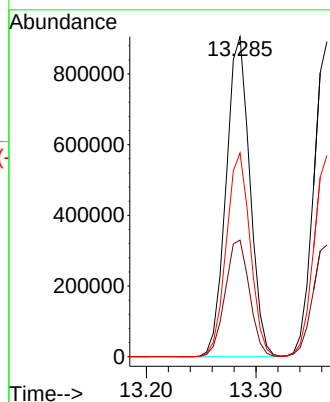
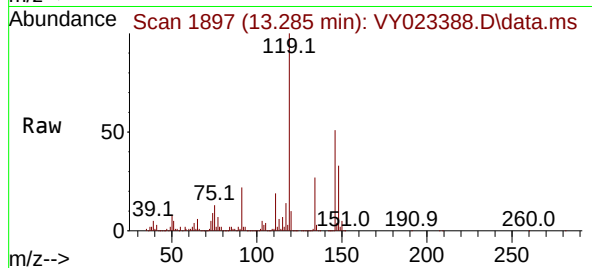
148 64.1 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#88

1,4-Dichlorobenzene

Concen: 98.734 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

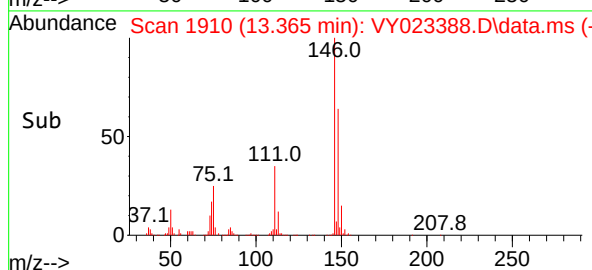
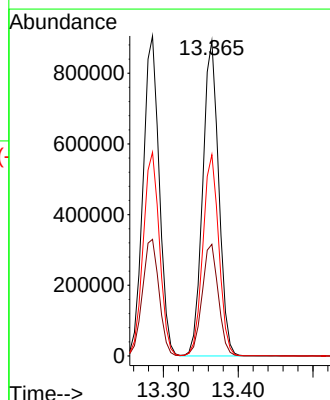
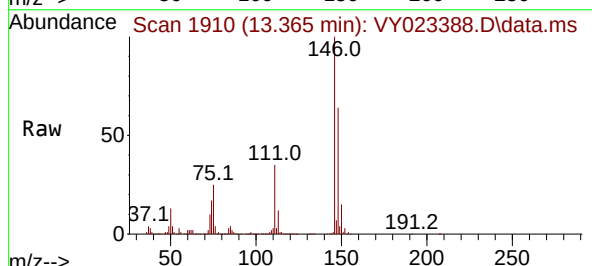
Tgt Ion:146 Resp: 1323618

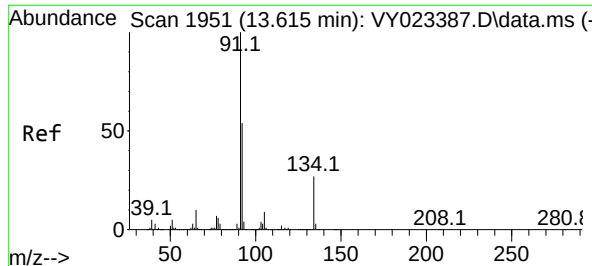
Ion Ratio Lower Upper

146 100

111 36.0 18.0 54.0

148 63.8 31.9 95.7





#89

n-Butylbenzene

Concen: 104.174 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 2223744

Ion Ratio Lower Upper

91 100

92 54.2 27.0 80.8

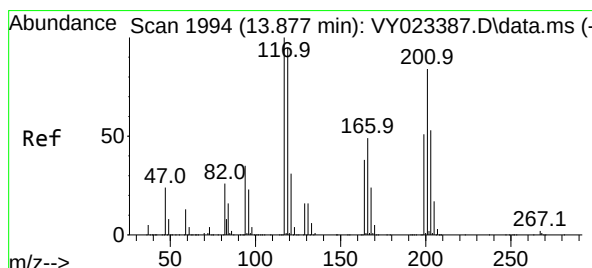
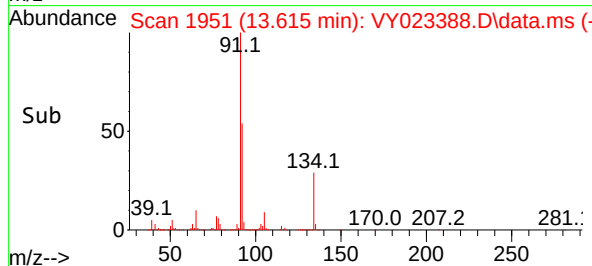
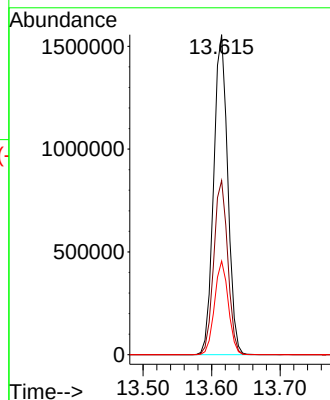
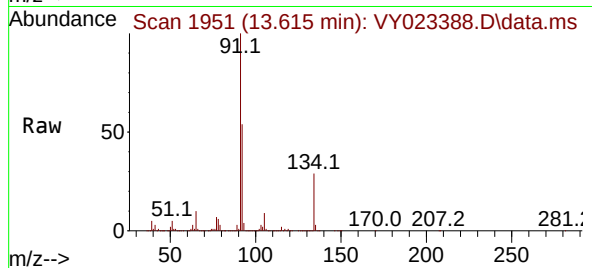
134 28.6 14.1 42.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#90

Hexachloroethane

Concen: 98.069 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VY023388.D

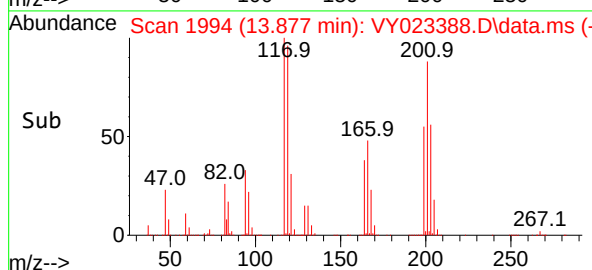
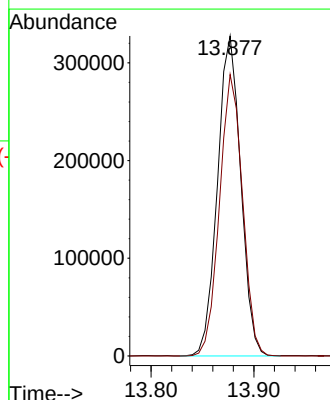
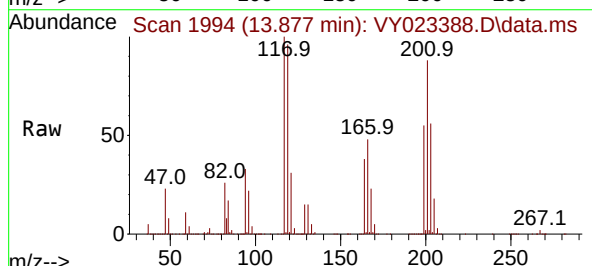
Acq: 07 Oct 2025 12:09

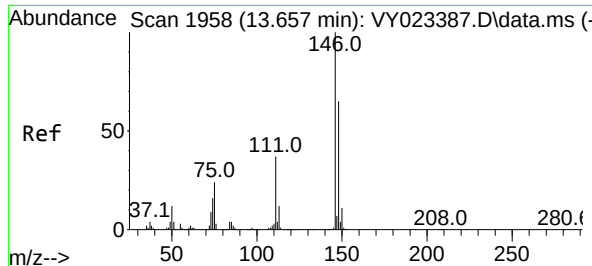
Tgt Ion:117 Resp: 514746

Ion Ratio Lower Upper

117 100

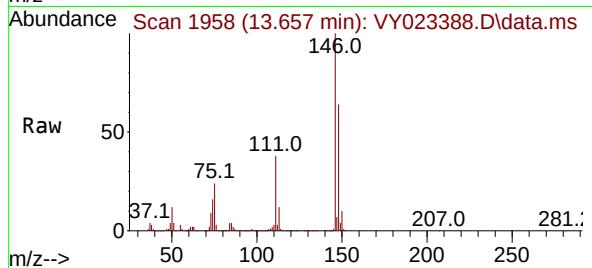
201 86.8 43.8 131.4





#91  
1,2-Dichlorobenzene  
Concen: 101.146 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. -0.000 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

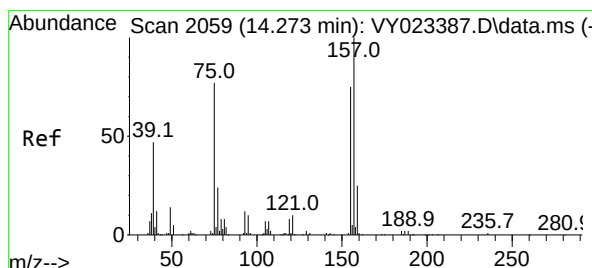
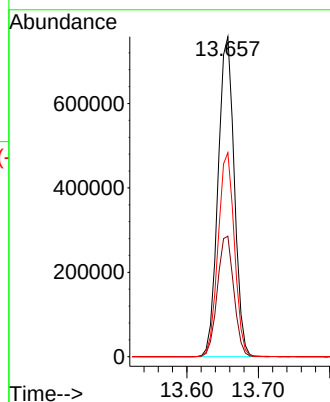
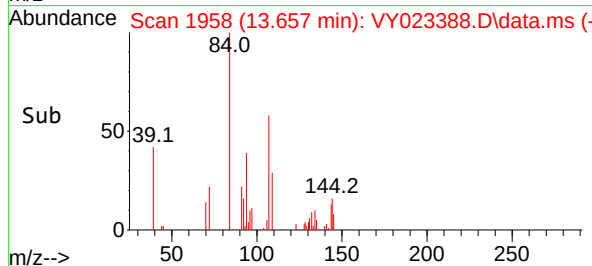
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100



Tgt Ion:146 Resp: 119304  
Ion Ratio Lower Upper  
146 100  
111 38.3 19.0 57.0  
148 64.1 32.1 96.3

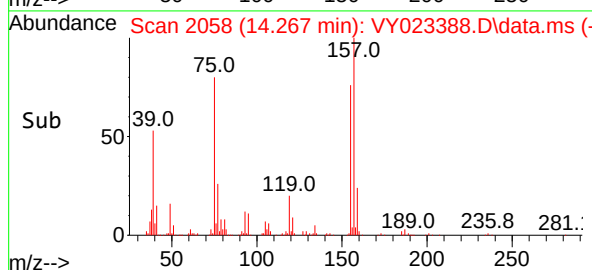
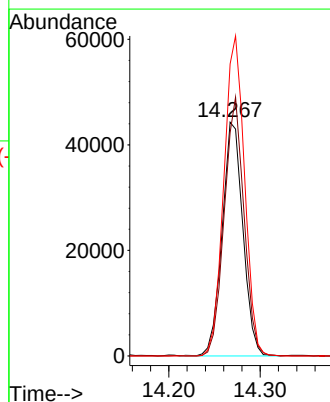
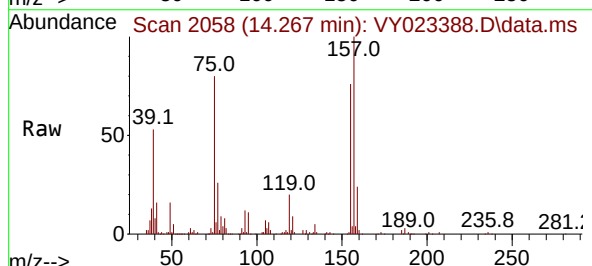
Manual Integrations  
APPROVED

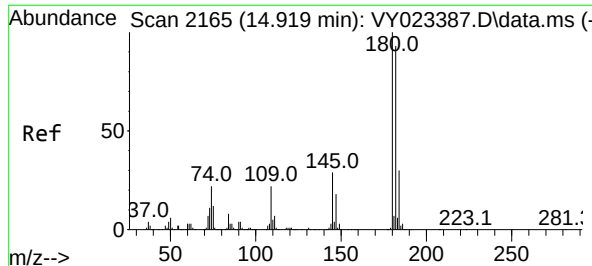
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 99.458 ug/l  
RT: 14.267 min Scan# 2058  
Delta R.T. -0.006 min  
Lab File: VY023388.D  
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 70107  
Ion Ratio Lower Upper  
75 100  
155 105.2 50.0 150.0  
157 135.9 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 116.031 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 806328

Ion Ratio Lower Upper

180 100

182 94.9 47.9 143.6

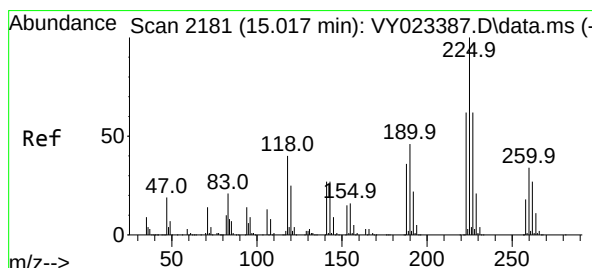
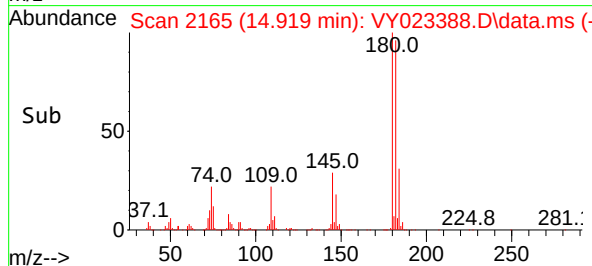
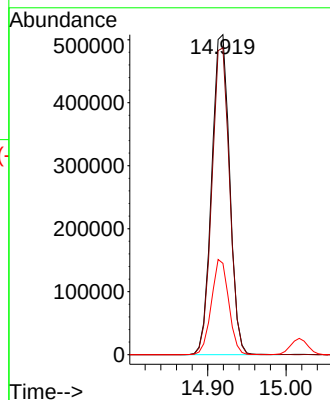
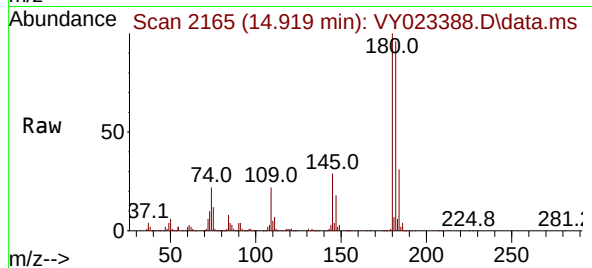
145 28.7 14.7 44.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#94

Hexachlorobutadiene

Concen: 108.557 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

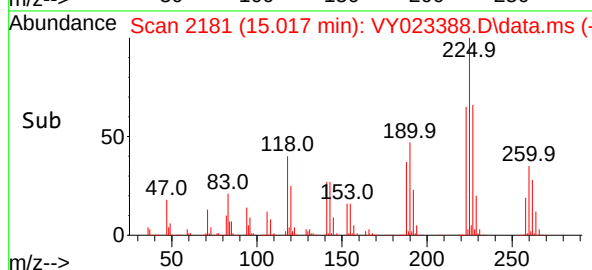
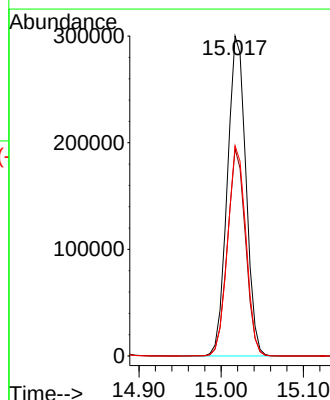
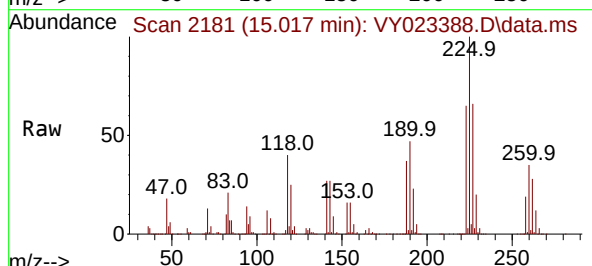
Tgt Ion:225 Resp: 470072

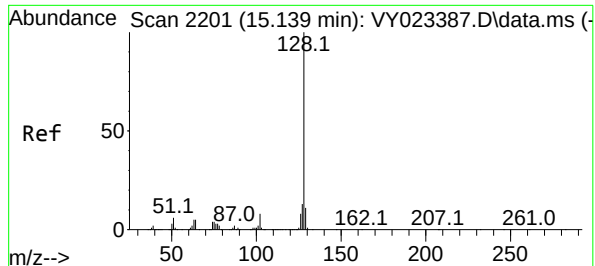
Ion Ratio Lower Upper

225 100

223 62.9 30.8 92.3

227 64.6 31.9 95.7





#95

Naphthalene

Concen: 124.485 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tgt Ion:128 Resp: 137829

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

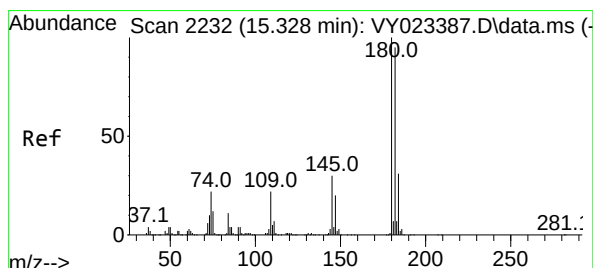
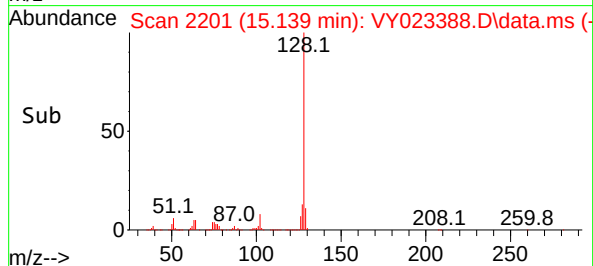
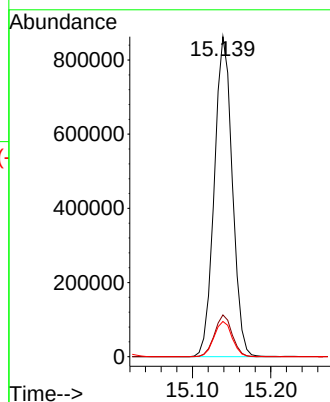
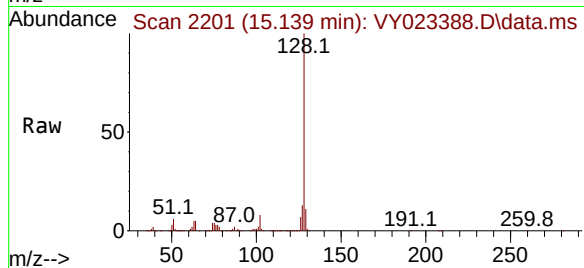
129 11.1 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#96

1,2,3-Trichlorobenzene

Concen: 115.034 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. -0.006 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

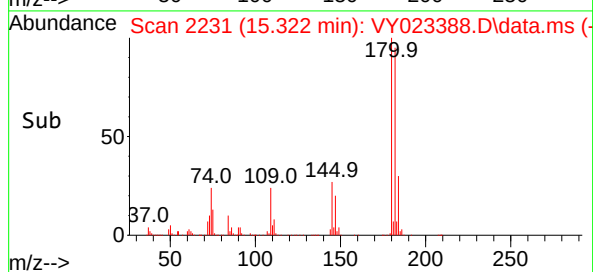
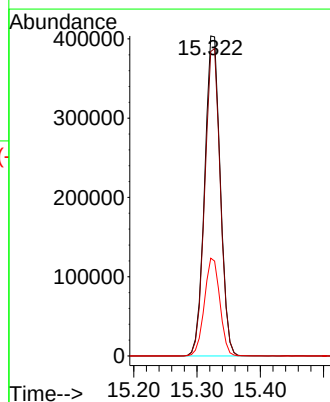
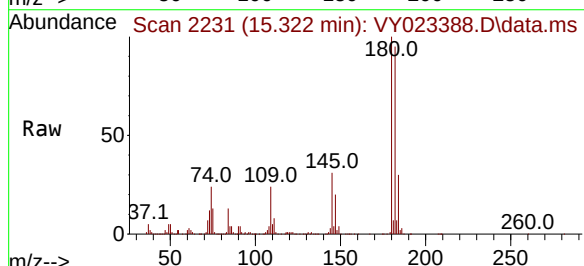
Tgt Ion:180 Resp: 693477

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.8

145 30.3 15.3 45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023389.D  
 Acq On : 07 Oct 2025 12:32  
 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Quant Time: Oct 08 04:45:15 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025  
 Supervised By : Mahesh Dadoda 10/10/2025

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 7.707          | 168  | 588489               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 855488               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 765357               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 402368               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 714730               | 140.236 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 280.480%# |         |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 778632               | 149.977 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 299.960%# |         |        |          |
| 50) Toluene-d8               | 10.103         | 98   | 2912319              | 148.741 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 297.480%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.402         | 95   | 990964               | 160.423 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 320.840%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 587619               | 126.766 | ug/l   | 97       |
| 3) Chloromethane             | 2.068          | 50   | 825167               | 125.233 | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.208          | 62   | 1118134              | 134.387 | ug/l   | 100      |
| 5) Bromomethane              | 2.580          | 94   | 915389               | 134.118 | ug/l   | 98       |
| 6) Chloroethane              | 2.726          | 64   | 756912               | 133.994 | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.050          | 101  | 1549160              | 144.948 | ug/l   | 100      |
| 8) Diethyl Ether             | 3.452          | 74   | 418615               | 149.747 | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 3.812          | 101  | 786278               | 137.639 | ug/l   | 99       |
| 10) Methyl Iodide            | 4.007          | 142  | 992925               | 150.409 | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.866          | 59   | 288878               | 963.279 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 3.787          | 96   | 781235               | 142.133 | ug/l   | 97       |
| 13) Acrolein                 | 3.653          | 56   | 423418               | 833.323 | ug/l   | 100      |
| 14) Allyl chloride           | 4.385          | 41   | 988378               | 143.628 | ug/l   | 99       |
| 15) Acrylonitrile            | 5.055          | 53   | 841857               | 768.735 | ug/l   | 99       |
| 16) Acetone                  | 3.866          | 43   | 789668               | 689.040 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.104          | 76   | 2199339              | 128.252 | ug/l   | 100      |
| 18) Methyl Acetate           | 4.385          | 43   | 505344               | 173.497 | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 2056533              | 159.802 | ug/l   | 97       |
| 20) Methylene Chloride       | 4.616          | 84   | 835005               | 134.365 | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.116          | 96   | 871380               | 142.549 | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.019          | 45   | 2218430              | 145.375 | ug/l   | 99       |
| 23) Vinyl Acetate            | 5.958          | 43   | 6377047              | 760.246 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 1398477              | 139.024 | ug/l   | 98       |
| 25) 2-Butanone               | 6.890          | 43   | 1116343              | 788.091 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 6.884          | 77   | 1281633              | 143.391 | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 1043574              | 150.505 | ug/l   | 98       |
| 28) Bromochloromethane       | 7.244          | 49   | 482210               | 123.567 | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 687719               | 817.972 | ug/l   | 100      |
| 30) Chloroform               | 7.421          | 83   | 1542715              | 142.221 | ug/l   | 99       |
| 31) Cyclohexane              | 7.701          | 56   | 1192778              | 134.268 | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 1405131              | 144.305 | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 1069665              | 146.031 | ug/l   | 100      |
| 37) Ethyl Acetate            | 6.982          | 43   | 460027               | 158.853 | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 1290353              | 151.646 | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.109          | 83   | 1496612              | 159.580 | ug/l   | 99       |
| 40) Benzene                  | 8.079          | 78   | 3366812              | 147.442 | ug/l   | 98       |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023389.D  
 Acq On : 07 Oct 2025 12:32  
 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Quant Time: Oct 08 04:45:15 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 246974   | 164.212  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 866250   | 149.063  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.195  | 43   | 946087   | 167.955  | ug/l   | 100      |
| 44) Trichloroethene           | 8.866  | 130  | 966011   | 150.740  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 752286   | 146.403  | ug/l   | 99       |
| 46) Dibromomethane            | 9.231  | 93   | 483702   | 153.895  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.420  | 83   | 1202247  | 151.965  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 463614   | 176.368  | ug/l   | 100      |
| 49) 1,4-Dioxane               | 9.225  | 88   | 123991   | 3809.726 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 9.993  | 43   | 2516107  | 872.045  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 2272574  | 156.786  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 1123644  | 165.367  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 1296713  | 159.654  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 652242   | 156.020  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 886127   | 184.048  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 1049593  | 155.122  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 2040136  | 968.559  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.755 | 43   | 1776032  | 889.038  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.908 | 129  | 935577   | 164.084  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 639895   | 162.699  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 1046931  | 136.739  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.438 | 112  | 2563176  | 154.117  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131  | 923367   | 157.870  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 4341801  | 159.957  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.627 | 106  | 3502137  | 321.899  | ug/l   | 99       |
| 69) o-Xylene                  | 11.950 | 106  | 1694987  | 168.295  | ug/l   | 98       |
| 70) Styrene                   | 11.969 | 104  | 2830398  | 170.203  | ug/l   | 99       |
| 71) Bromoform                 | 12.127 | 173  | 602644   | 172.115  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.249 | 105  | 4290662  | 160.084  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.066 | 43   | 890882   | 177.866  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 737773   | 165.010  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 565754m  | 142.542  | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 1111318  | 161.555  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.591 | 91   | 4932015  | 156.465  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 2822049  | 155.063  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.731 | 105  | 3496249  | 160.460  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75   | 245190   | 166.570  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 2902371  | 152.701  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.993 | 119  | 3220384  | 162.197  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 3503639  | 162.527  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.170 | 105  | 4560715  | 158.609  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.286 | 119  | 4024712  | 165.622  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 2165278  | 159.350  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 2090133  | 155.104  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.615 | 91   | 3505715  | 163.379  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 799264   | 151.487  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 1862691  | 157.101  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.267 | 75   | 116273   | 164.099  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 14.913 | 180  | 1272621  | 182.183  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.017 | 225  | 711748   | 163.518  | ug/l   | 98       |
| 95) Naphthalene               | 15.139 | 128  | 2277549  | 204.639  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.322 | 180  | 1110193  | 183.206  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023389.D  
Acq On : 07 Oct 2025 12:32  
Operator : SY/MD  
Sample : VSTDICC150  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:45:15 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 2025  
Response via : Initial Calibration

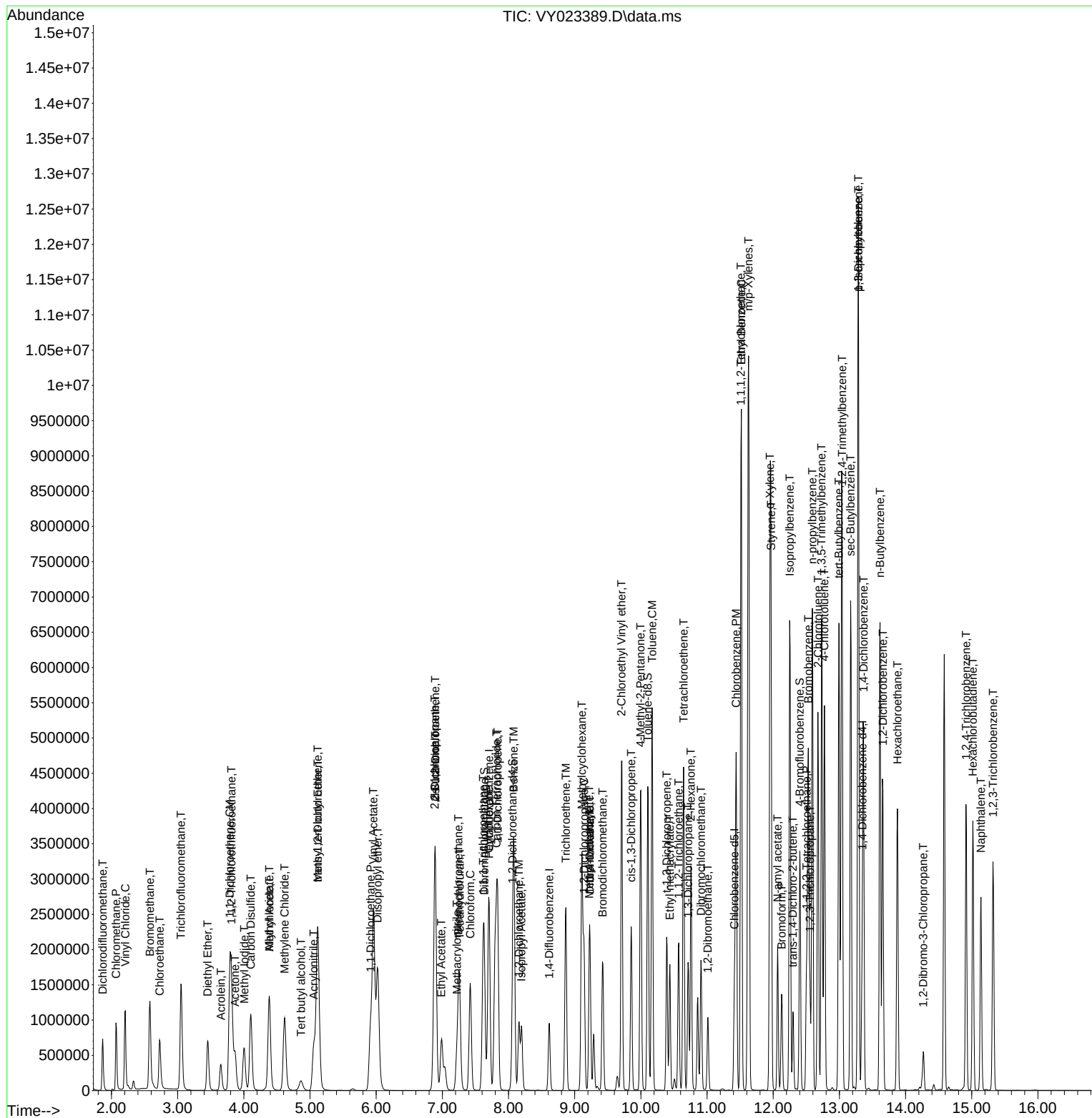
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

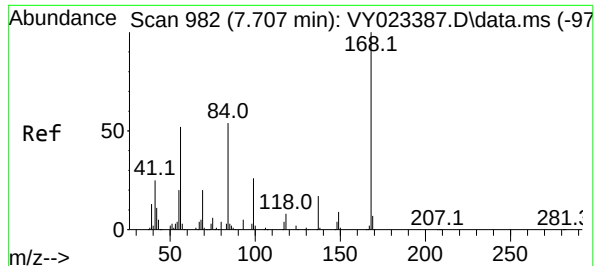
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VSTDICC150

## Manual Integrations

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025





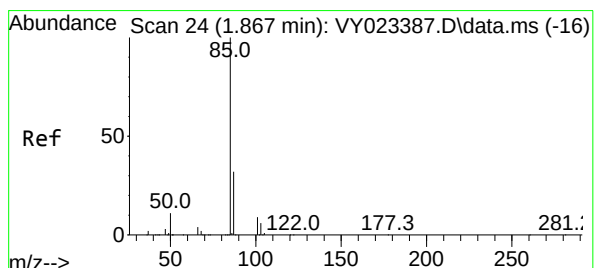
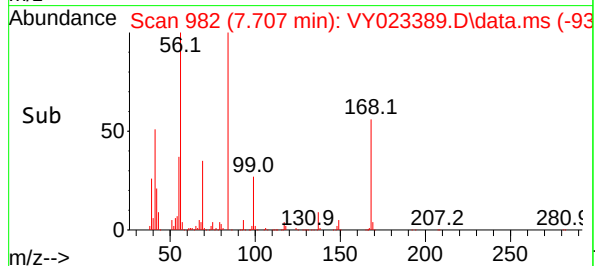
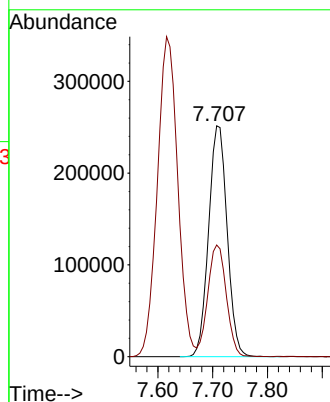
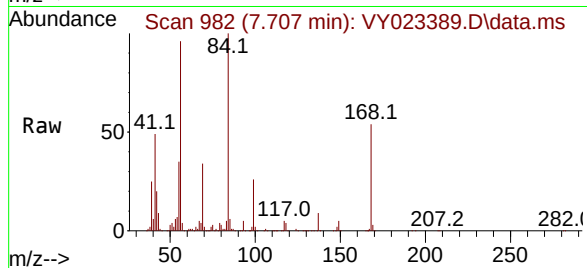
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

Tgt Ion:168 Resp: 588489  
Ion Ratio Lower Upper  
168 100  
99 48.3 39.7 59.5

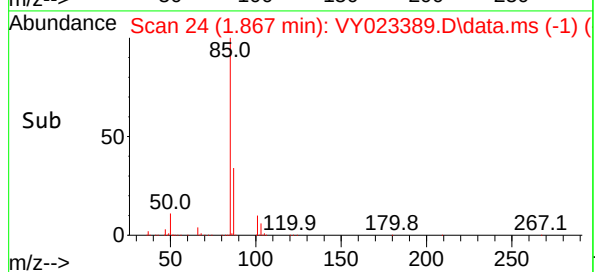
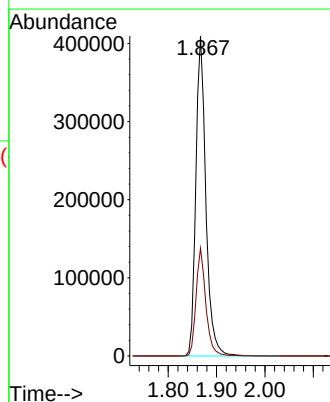
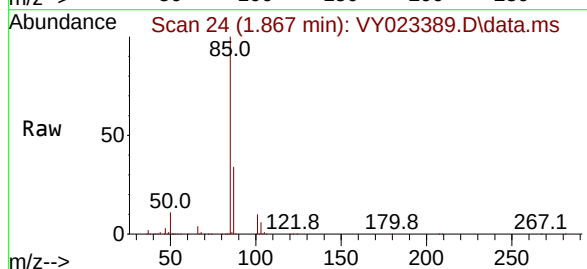
Manual Integrations  
APPROVED

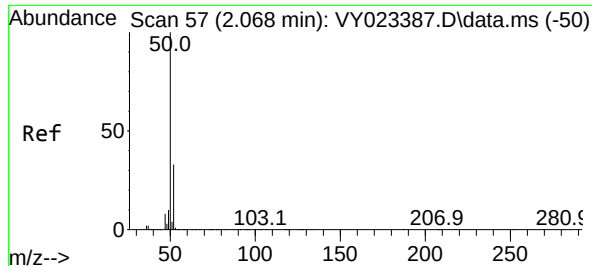
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#2  
Dichlorodifluoromethane  
Concen: 126.766 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Tgt Ion: 85 Resp: 587619  
Ion Ratio Lower Upper  
85 100  
87 33.7 16.0 47.9





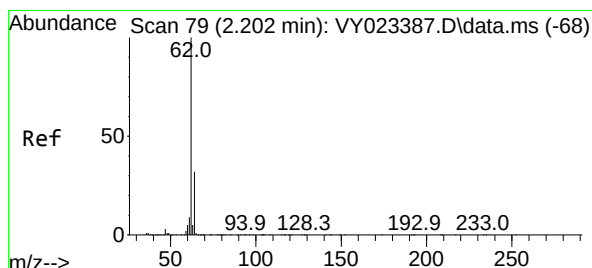
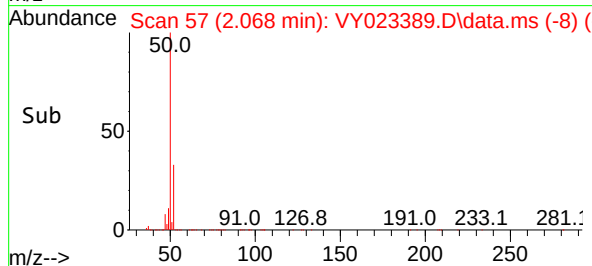
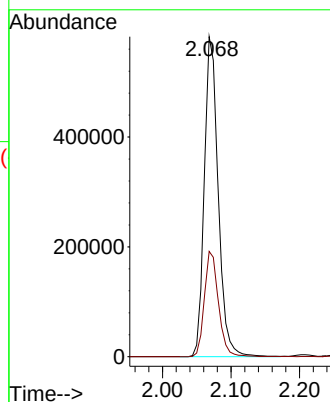
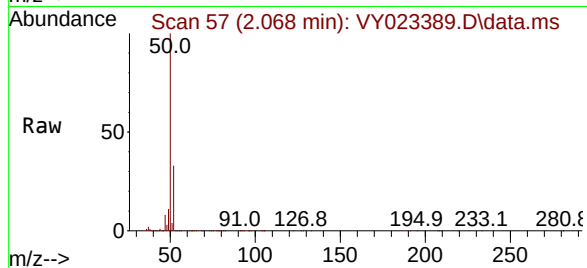
#3  
Chloromethane  
Concen: 125.233 ug/l  
RT: 2.068 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

Tgt Ion: 50 Resp: 82516  
Ion Ratio Lower Upper  
50 100  
52 32.9 26.2 39.2

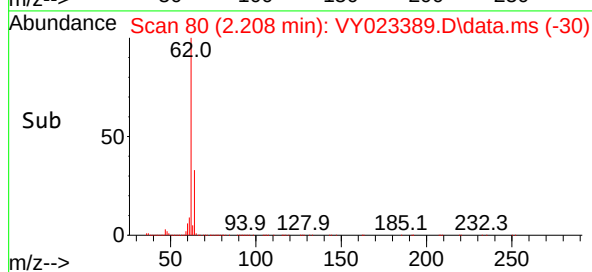
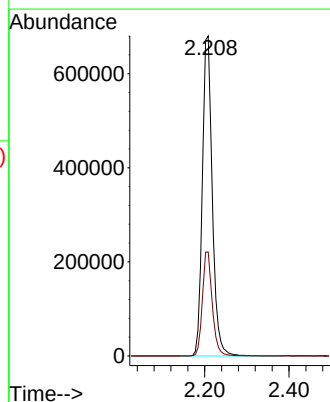
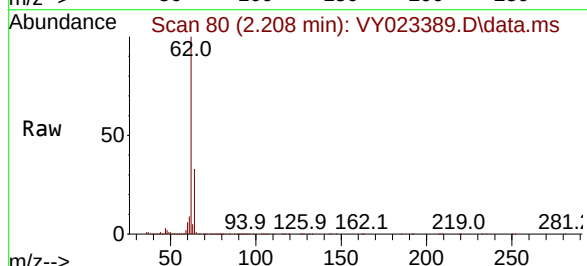
Manual Integrations  
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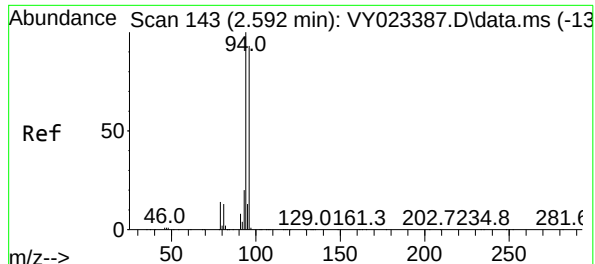
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#4  
Vinyl Chloride  
Concen: 134.387 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Tgt Ion: 62 Resp: 1118134  
Ion Ratio Lower Upper  
62 100  
64 32.5 25.8 38.8





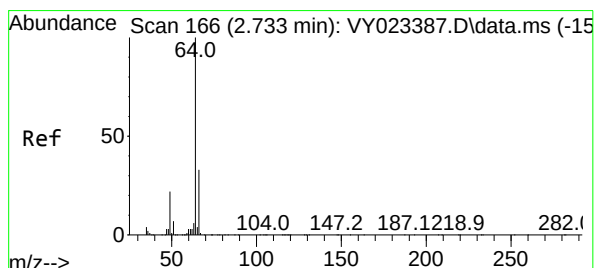
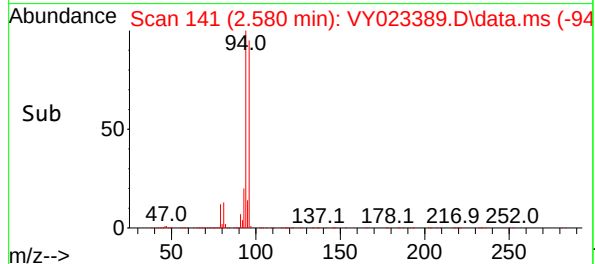
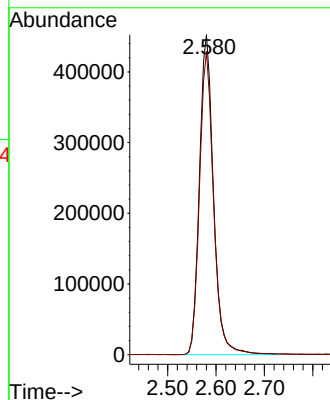
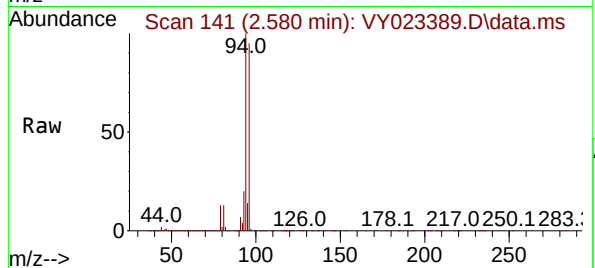
#5  
Bromomethane  
Concen: 134.118 ug/l  
RT: 2.580 min Scan# 141  
Delta R.T. -0.012 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

Tgt Ion: 94 Resp: 915389  
Ion Ratio Lower Upper  
94 100  
96 94.8 74.5 111.7

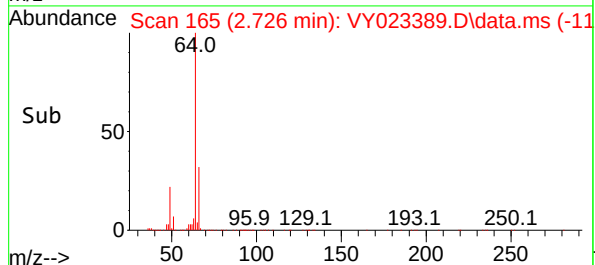
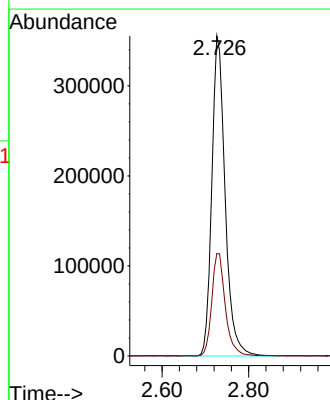
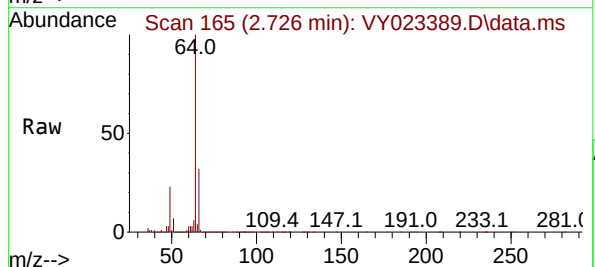
Manual Integrations  
APPROVED

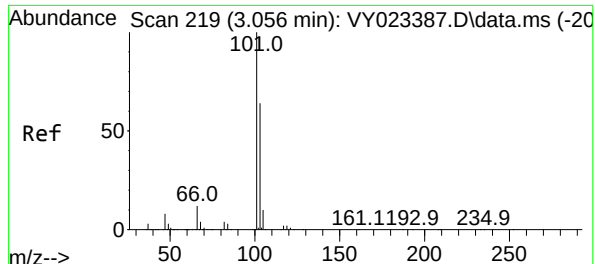
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#6  
Chloroethane  
Concen: 133.994 ug/l  
RT: 2.726 min Scan# 165  
Delta R.T. -0.006 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Tgt Ion: 64 Resp: 756912  
Ion Ratio Lower Upper  
64 100  
66 32.0 26.2 39.4





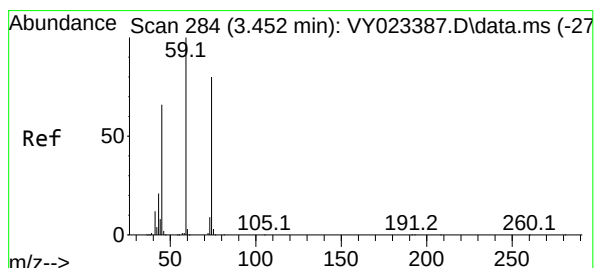
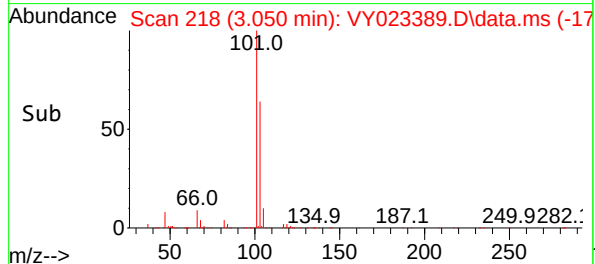
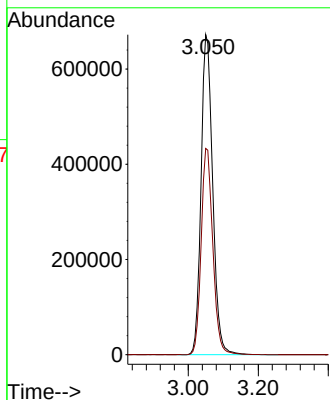
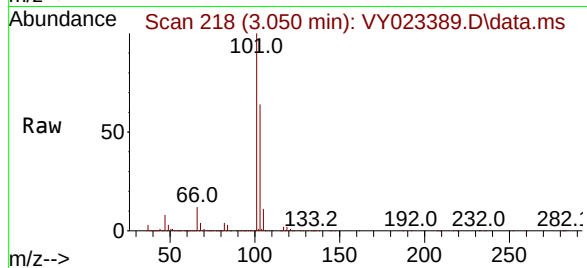
#7  
Trichlorofluoromethane  
Concen: 144.948 ug/l  
RT: 3.050 min Scan# 219  
Delta R.T. -0.006 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

Tgt Ion:101 Resp: 1549160  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.3 76.9

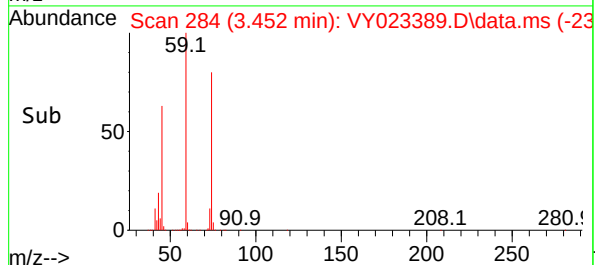
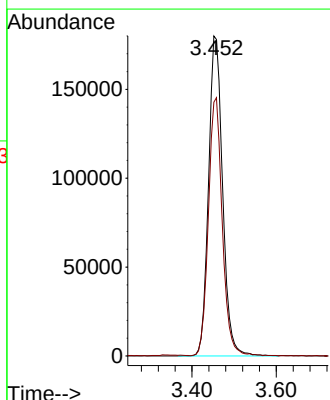
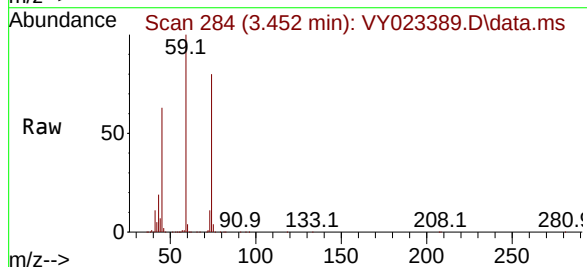
Manual Integrations  
APPROVED

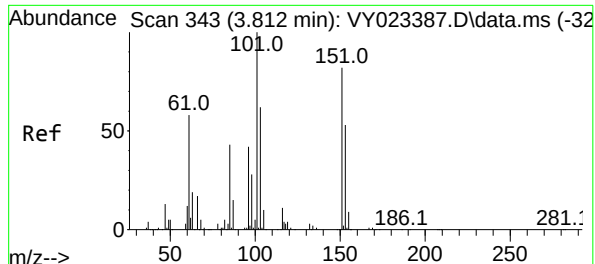
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#8  
Diethyl Ether  
Concen: 149.747 ug/l  
RT: 3.452 min Scan# 284  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Tgt Ion: 74 Resp: 418615  
Ion Ratio Lower Upper  
74 100  
45 79.7 39.9 119.7





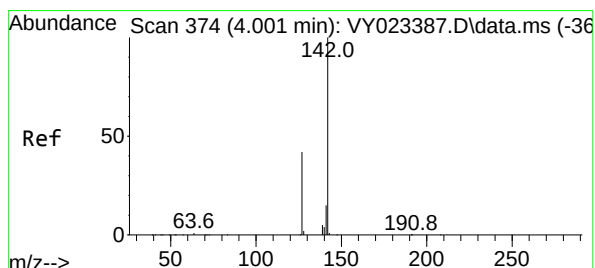
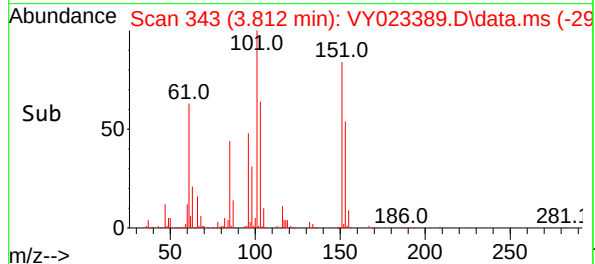
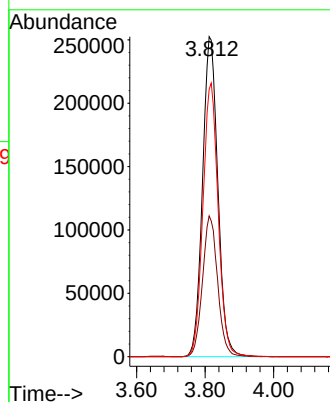
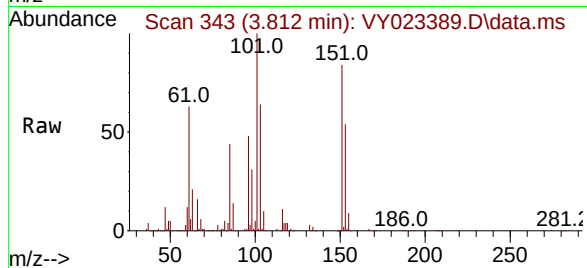
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 137.639 ug/l  
RT: 3.812 min Scan# 343  
Delta R.T. 0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

Tgt Ion:101 Resp: 786278  
Ion Ratio Lower Upper  
101 100  
85 43.5 34.6 51.8  
151 85.2 67.0 100.6

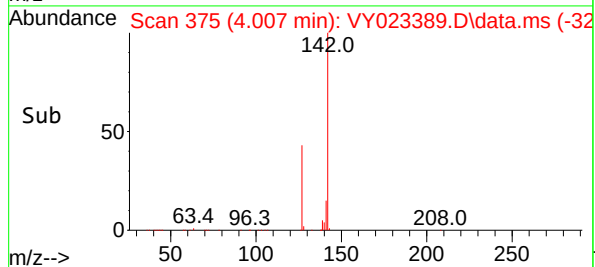
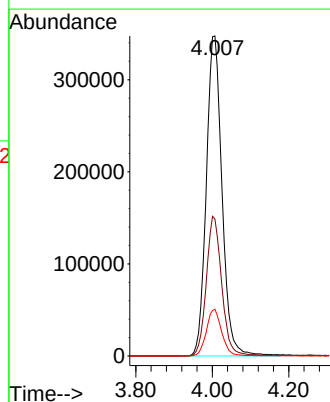
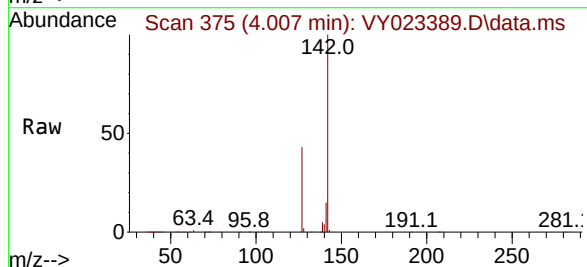
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

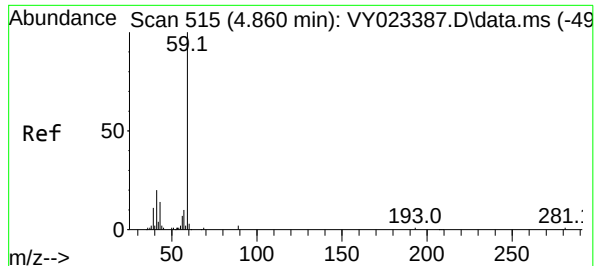


#10  
Methyl Iodide  
Concen: 150.409 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. 0.006 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Tgt Ion:142 Resp: 992925  
Ion Ratio Lower Upper  
142 100  
127 42.8 34.8 52.2  
141 14.1 11.6 17.4







#11

Tert butyl alcohol

Concen: 963.279 ug/l

RT: 4.866 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 288878

Ion Ratio Lower Upper

59 100

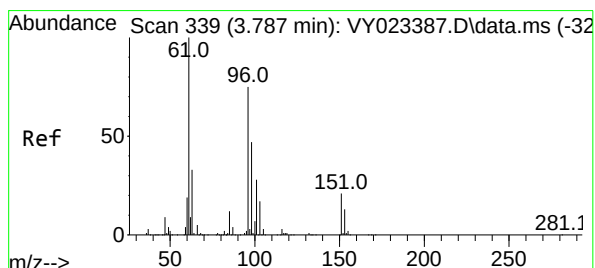
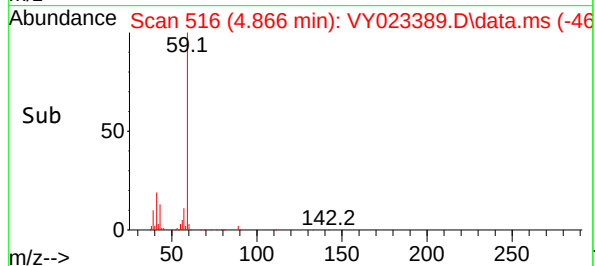
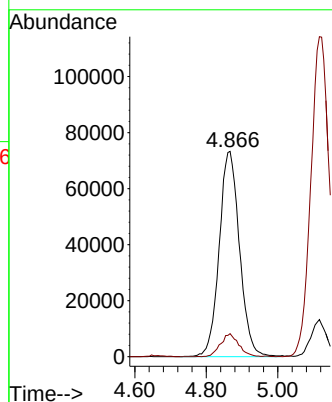
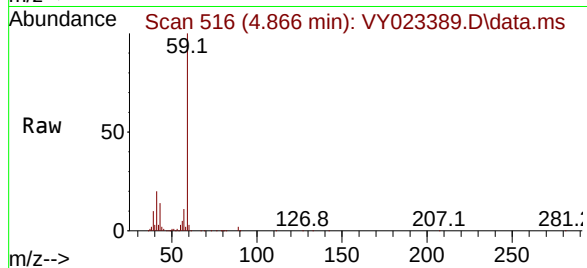
57 10.1 8.3 12.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 142.133 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

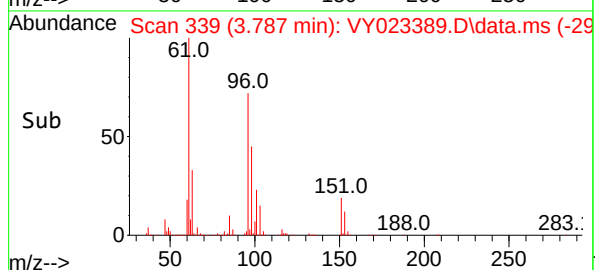
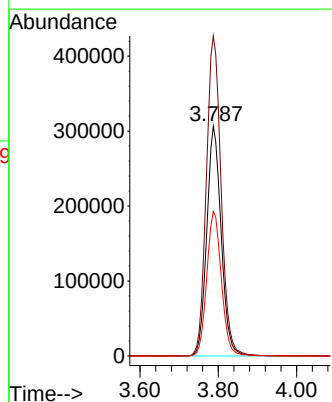
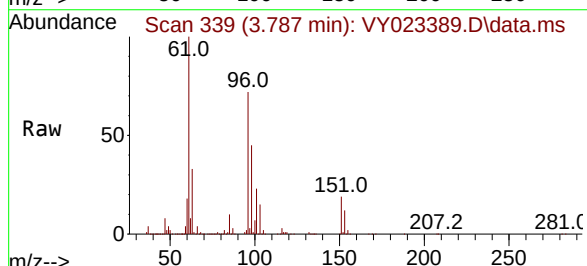
Tgt Ion: 96 Resp: 781235

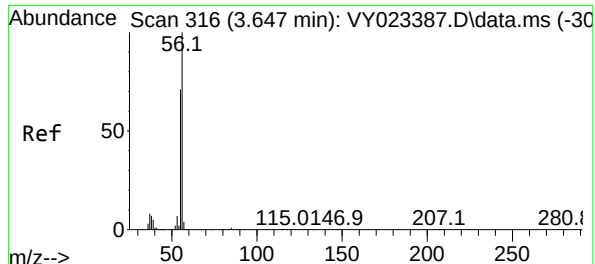
Ion Ratio Lower Upper

96 100

61 139.3 106.7 160.1

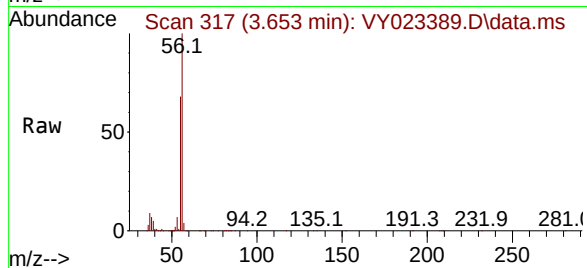
98 62.9 50.2 75.4





#13  
Acrolein  
Concen: 833.323 ug/l  
RT: 3.653 min Scan# 316  
Delta R.T. 0.006 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

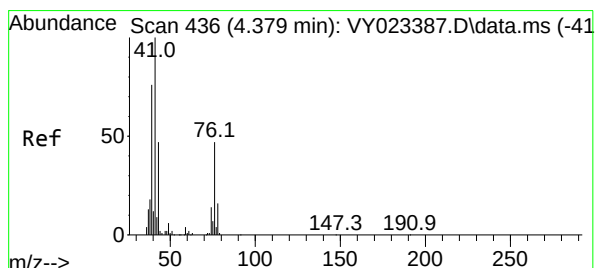
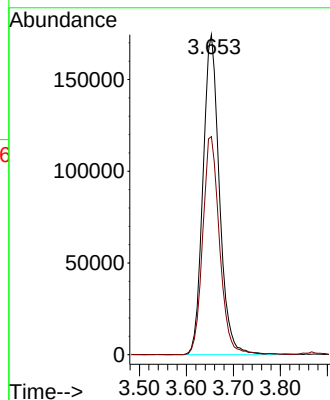
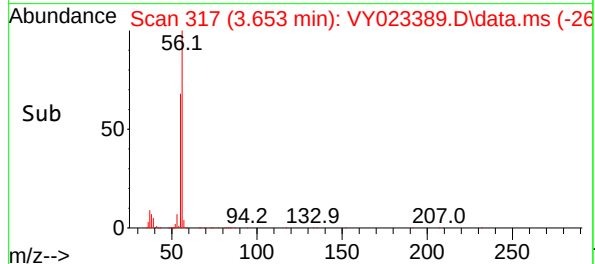
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150



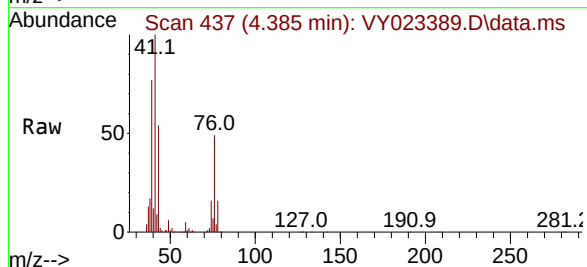
Tgt Ion: 56 Resp: 423418  
Ion Ratio Lower Upper  
56 100  
55 69.7 56.1 84.1

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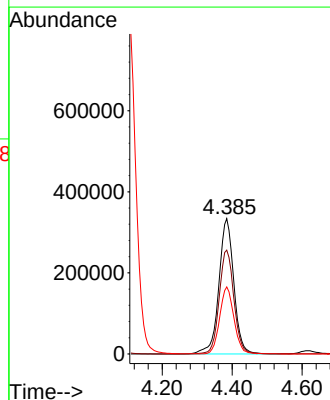
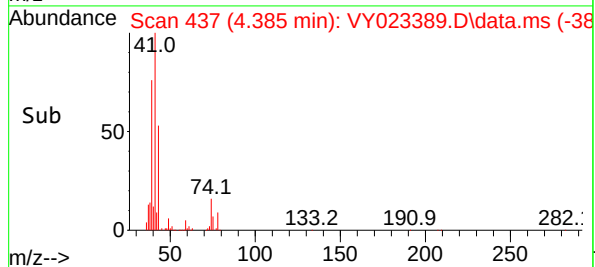
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

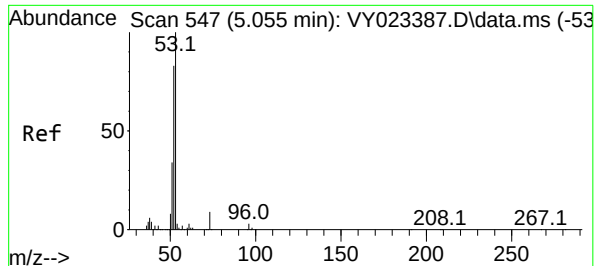


#14  
Allyl chloride  
Concen: 143.628 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. 0.006 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32



Tgt Ion: 41 Resp: 988378  
Ion Ratio Lower Upper  
41 100  
39 75.6 59.9 89.9  
76 47.2 38.0 57.0





#15

Acrylonitrile

Concen: 768.735 ug/l

RT: 5.055 min Scan# 547

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 53 Resp: 84185

Ion Ratio Lower Upper

53 100

52 80.9 64.6 97.0

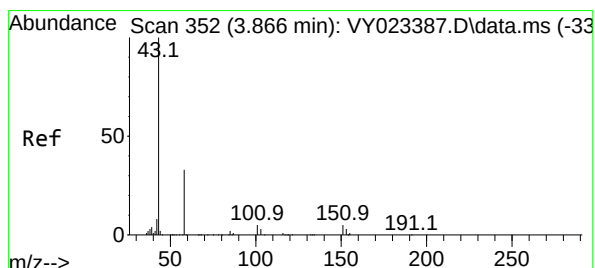
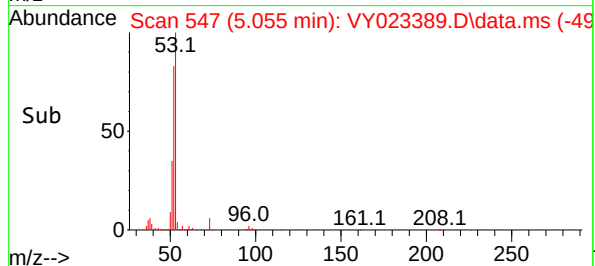
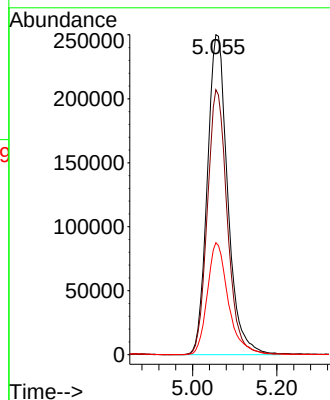
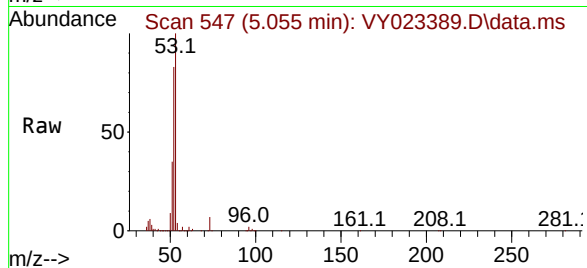
51 36.0 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#16

Acetone

Concen: 689.040 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.000 min

Lab File: VY023389.D

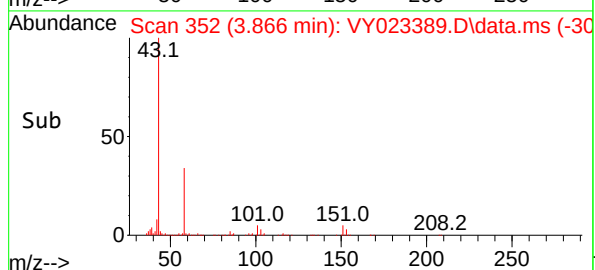
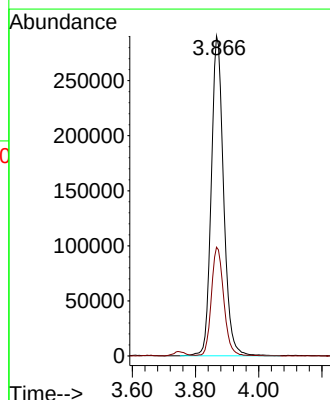
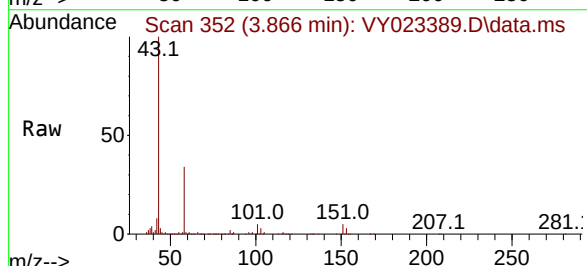
Acq: 07 Oct 2025 12:32

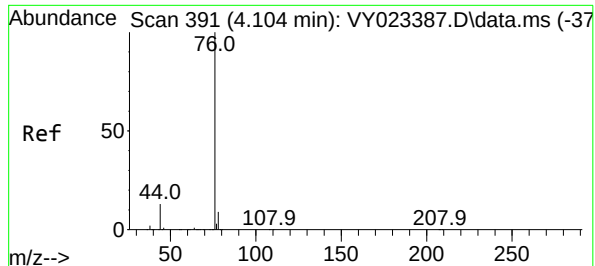
Tgt Ion: 43 Resp: 789668

Ion Ratio Lower Upper

43 100

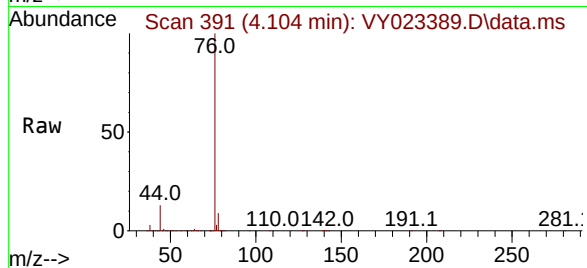
58 34.0 27.7 41.5





#17  
Carbon Disulfide  
Concen: 128.252 ug/l  
RT: 4.104 min Scan# 391  
Delta R.T. 0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

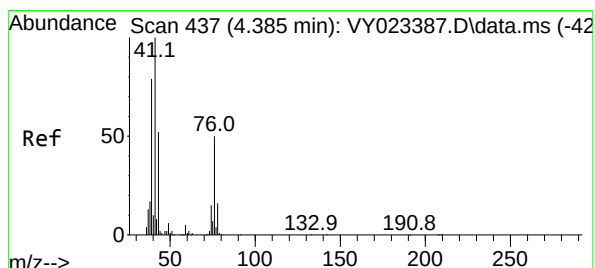
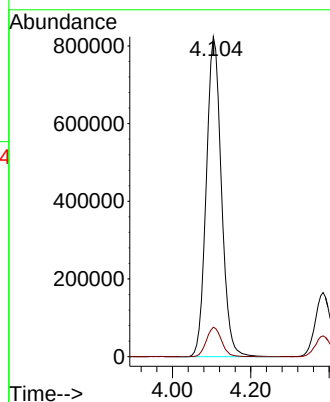
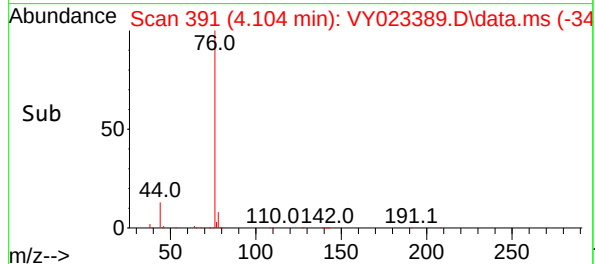
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150



Tgt Ion: 76 Resp: 2199339  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.3 10.9

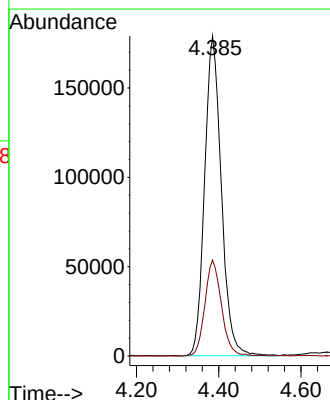
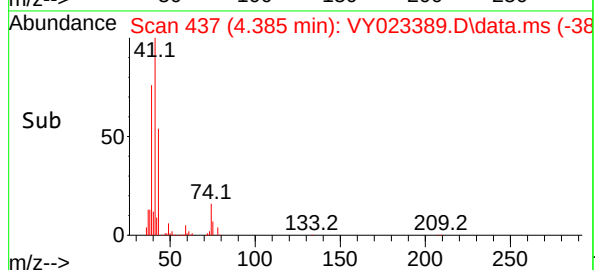
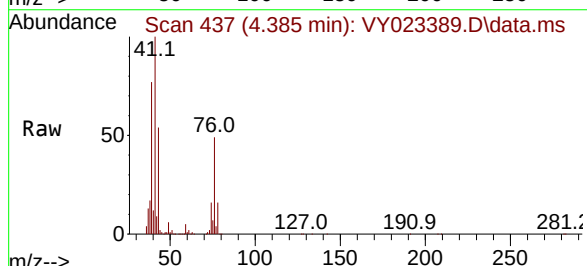
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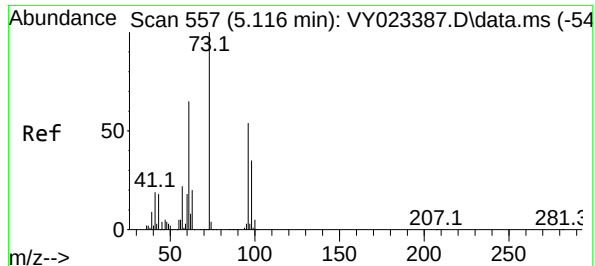
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#18  
Methyl Acetate  
Concen: 173.497 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 505344  
Ion Ratio Lower Upper  
43 100  
74 29.7 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 159.802 ug/l

RT: 5.116 min Scan# 5

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 73 Resp: 205653

Ion Ratio Lower Upper

73 100

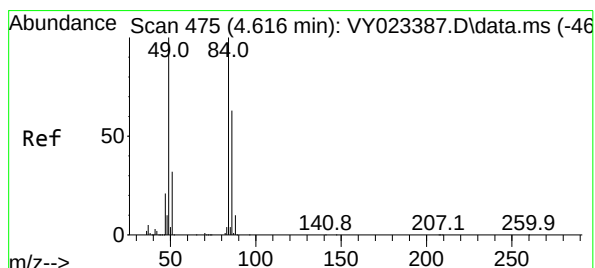
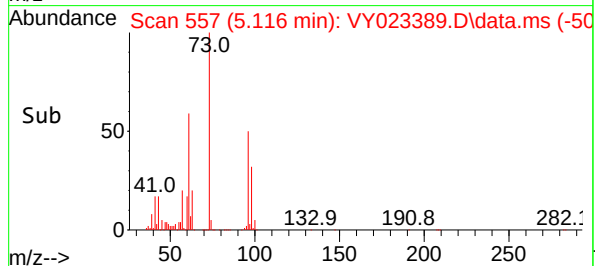
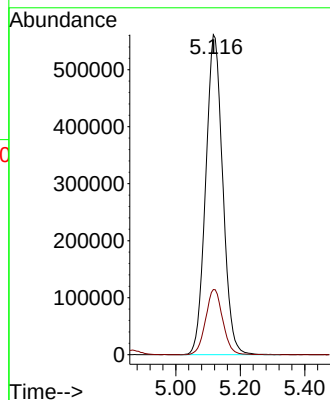
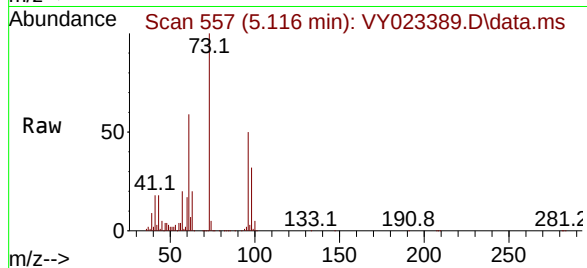
57 20.3 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 134.365 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Tgt Ion: 84 Resp: 835005

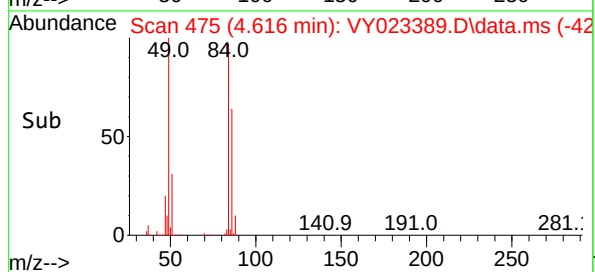
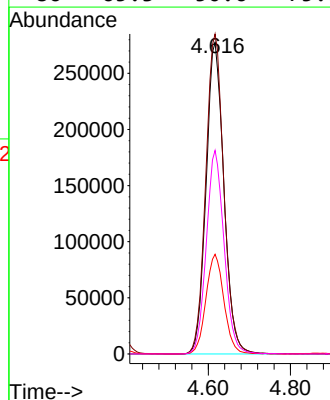
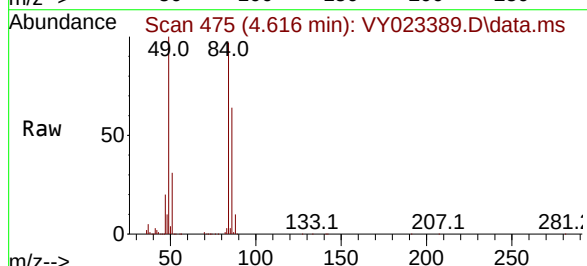
Ion Ratio Lower Upper

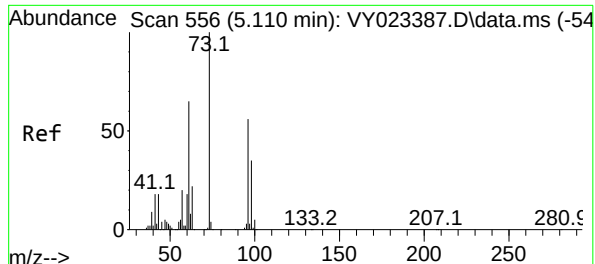
84 100

49 102.7 80.2 120.4

51 31.9 25.9 38.9

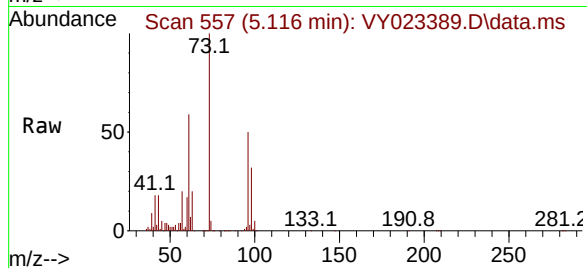
86 65.3 50.6 75.8





#21  
trans-1,2-Dichloroethene  
Concen: 142.549 ug/l  
RT: 5.116 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

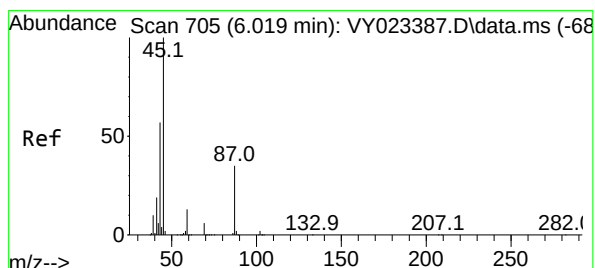
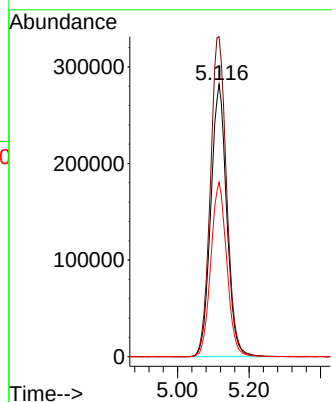
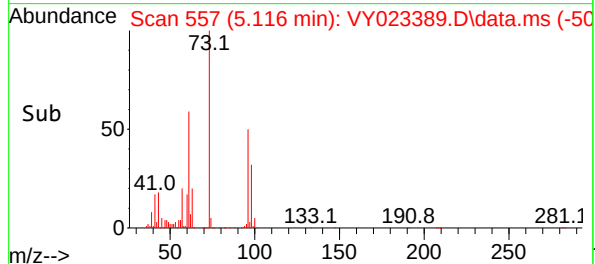
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150



Tgt Ion: 96 Resp: 871380  
Ion Ratio Lower Upper  
96 100  
61 117.5 92.7 139.1  
98 64.1 49.7 74.5

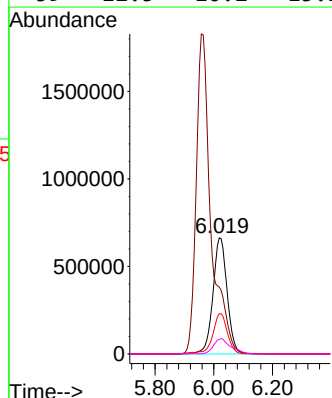
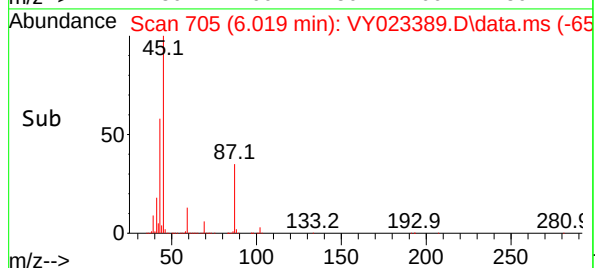
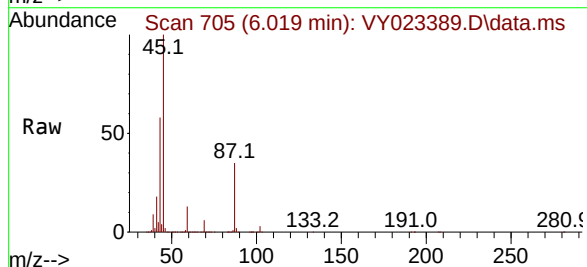
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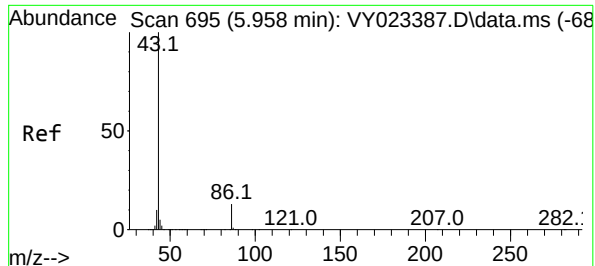
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#22  
Diisopropyl ether  
Concen: 145.375 ug/l  
RT: 6.019 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Tgt Ion: 45 Resp: 2218430  
Ion Ratio Lower Upper  
45 100  
43 57.6 45.6 68.4  
87 34.7 28.1 42.1  
59 12.5 10.2 15.2





#23

Vinyl Acetate

Concen: 760.246 ug/l

RT: 5.958 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 637704

Ion Ratio Lower Upper

43

100

86

13.6

10.6

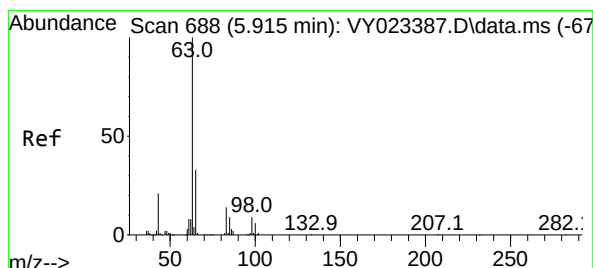
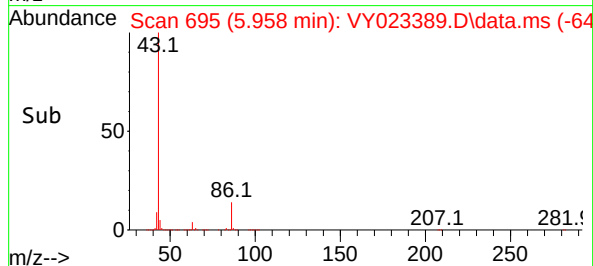
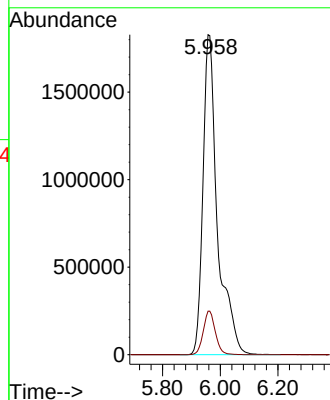
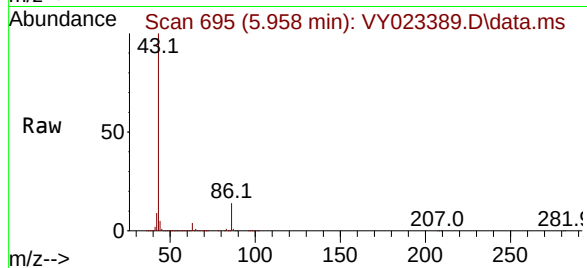
15.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 139.024 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Tgt Ion: 63 Resp: 1398477

Ion Ratio Lower Upper

63

100

98

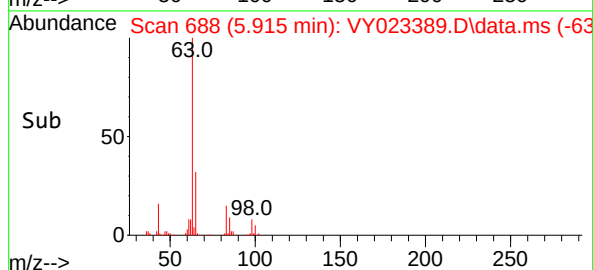
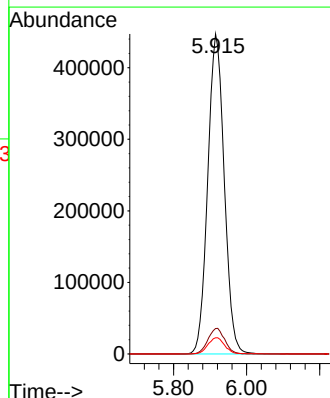
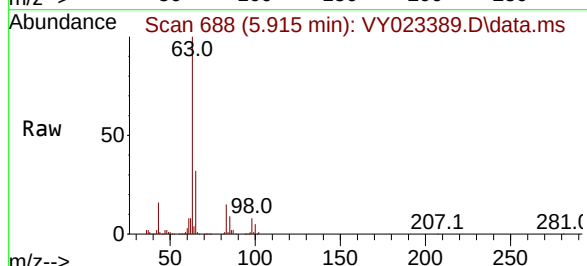
8.0

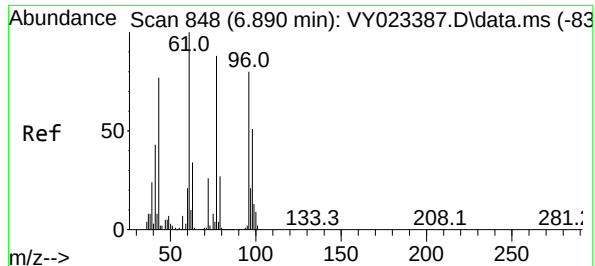
100

5.0

2.8

8.4





#25

2-Butanone

Concen: 788.091 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 111634

Ion Ratio Lower Upper

43 100

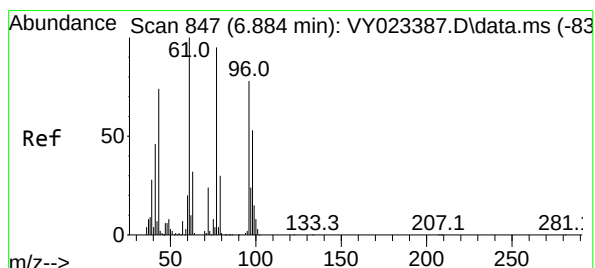
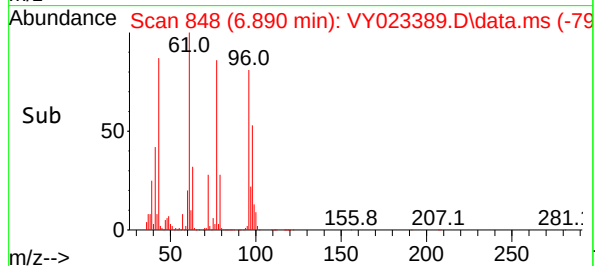
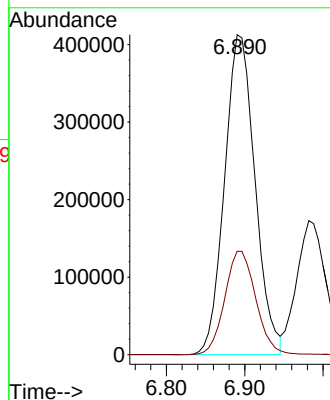
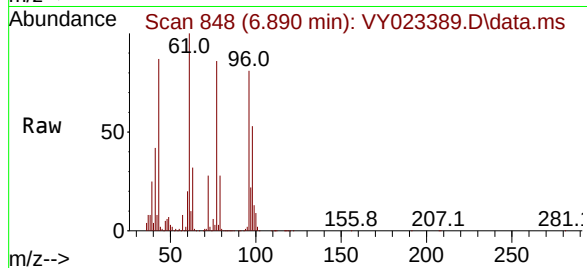
72 32.3 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 143.391 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023389.D

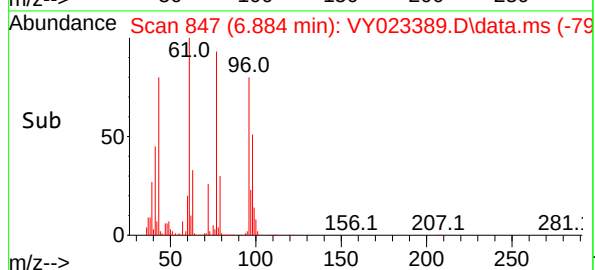
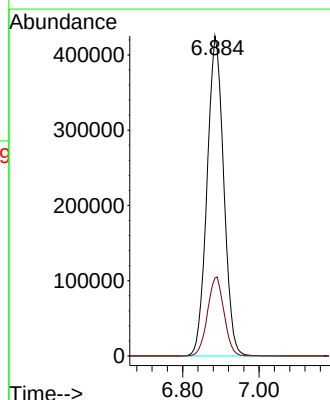
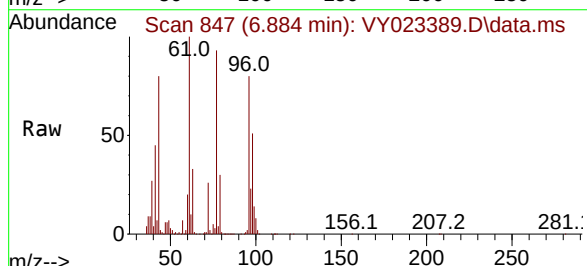
Acq: 07 Oct 2025 12:32

Tgt Ion: 77 Resp: 1281633

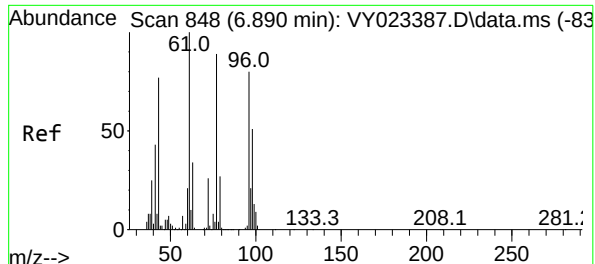
Ion Ratio Lower Upper

77 100

97 24.6 12.1 36.3







#27

cis-1,2-Dichloroethene

Concen: 150.505 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 1043574

Ion Ratio Lower Upper

96 100

61 125.7 0.0 258.2

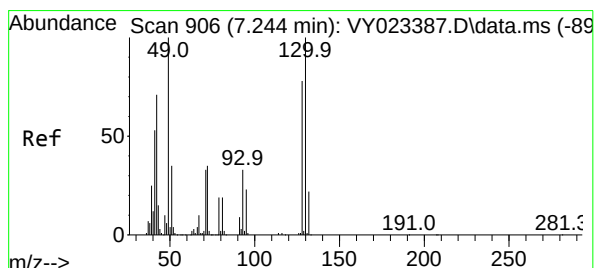
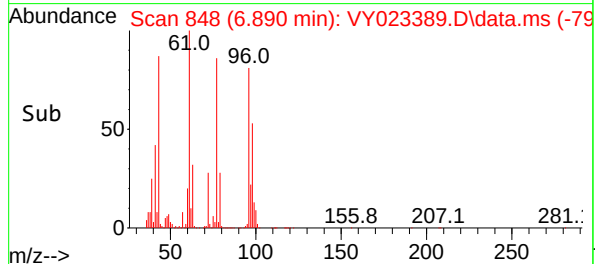
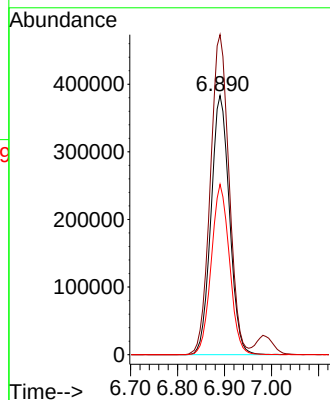
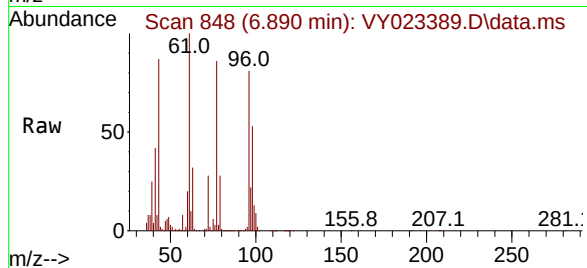
98 65.0 0.0 132.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#28

Bromochloromethane

Concen: 123.567 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

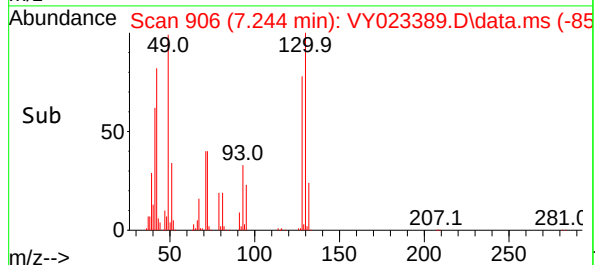
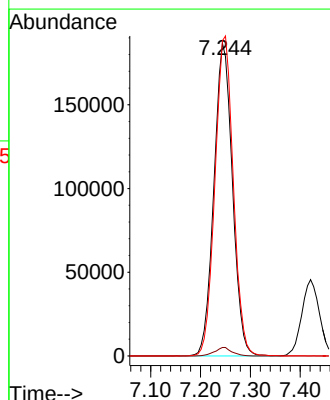
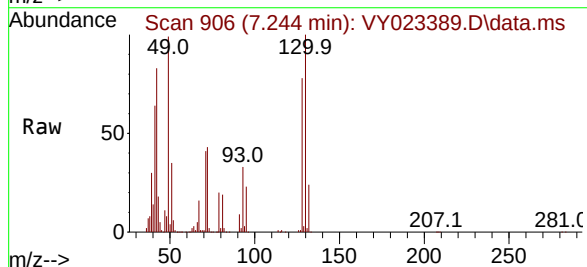
Tgt Ion: 49 Resp: 482210

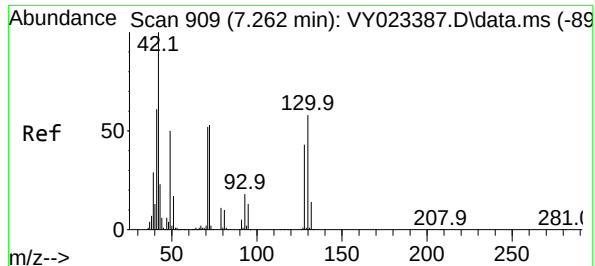
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.6

130 101.2 81.9 122.9





#29

Tetrahydrofuran

Concen: 817.972 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 687715

Ion Ratio Lower Upper

42 100

72 53.9 43.0 64.6

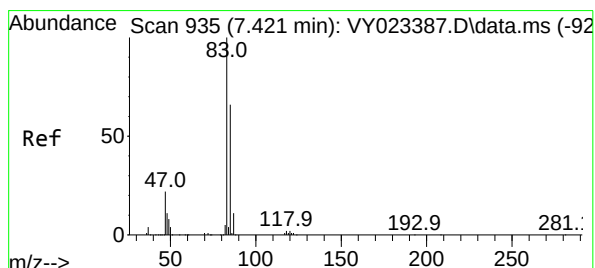
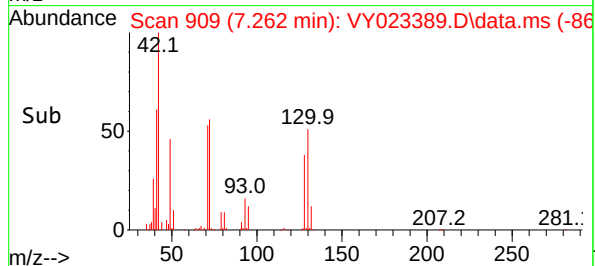
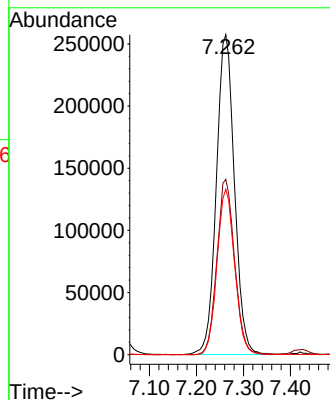
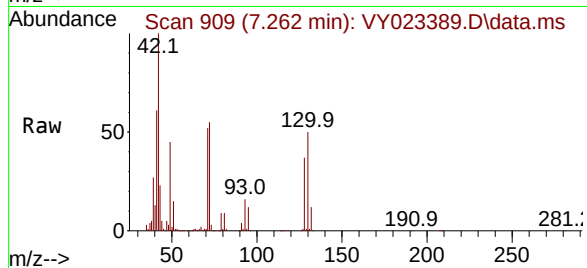
71 50.4 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Chloroform

Concen: 142.221 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY023389.D

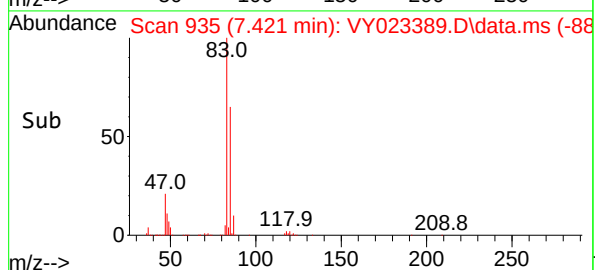
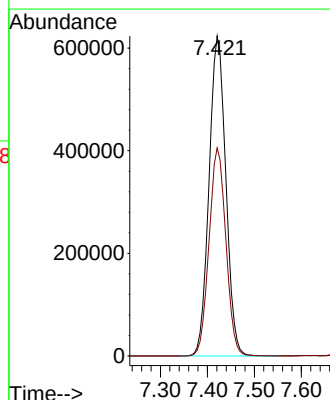
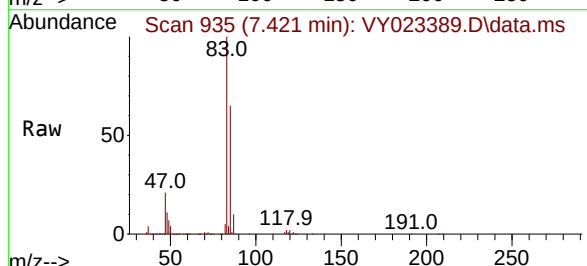
Acq: 07 Oct 2025 12:32

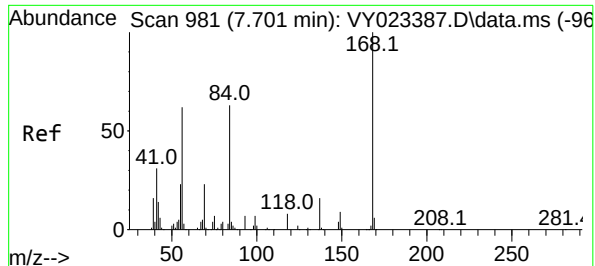
Tgt Ion: 83 Resp: 1542715

Ion Ratio Lower Upper

83 100

85 65.0 52.5 78.7





#31

Cyclohexane

Concen: 134.268 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 1192778

Ion Ratio Lower Upper

56 100

69 34.2 30.0 45.0

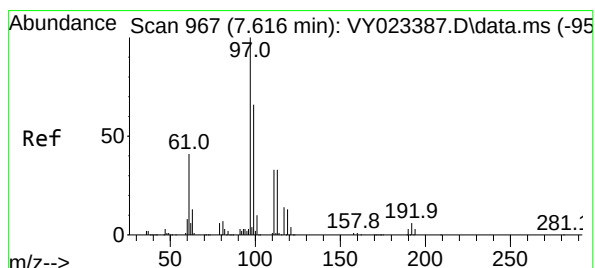
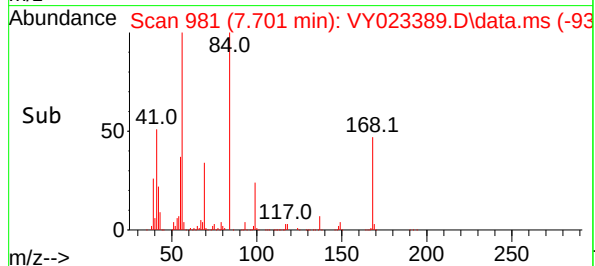
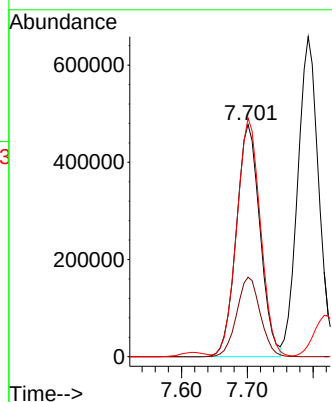
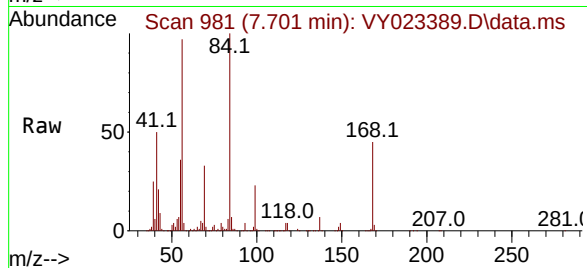
84 101.7 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 144.305 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

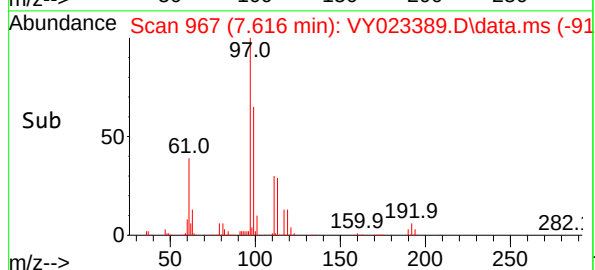
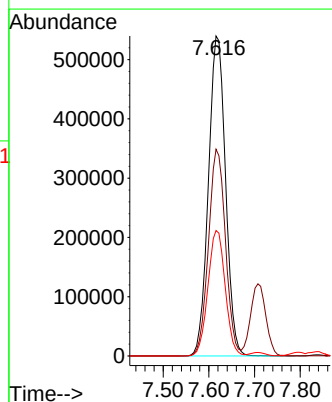
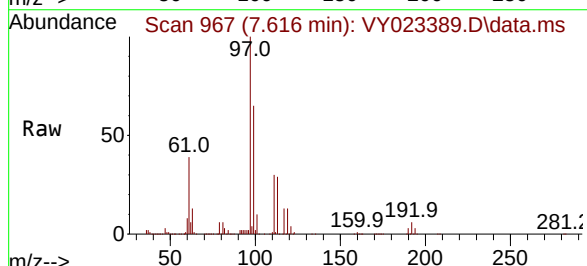
Tgt Ion: 97 Resp: 1405131

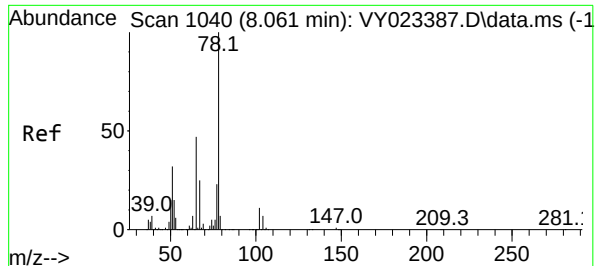
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 39.5 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 140.236 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 714730

Ion Ratio Lower Upper

65 100

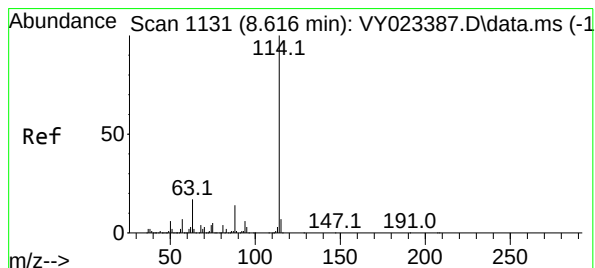
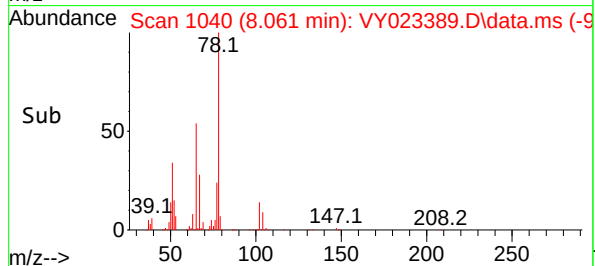
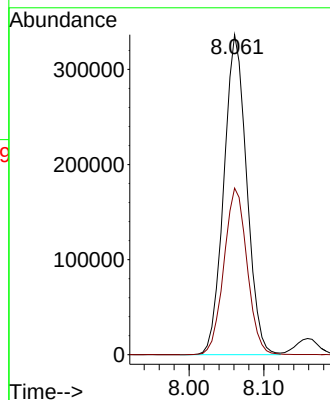
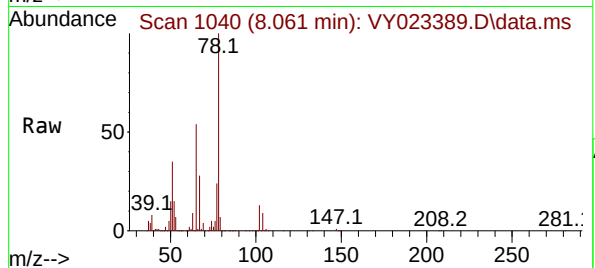
67 52.8 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

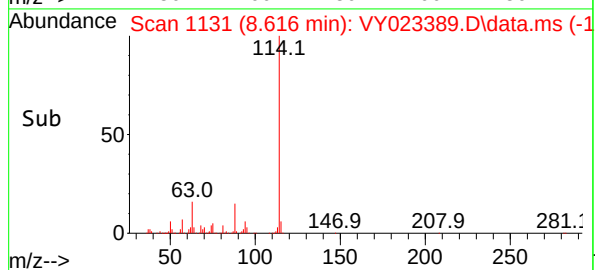
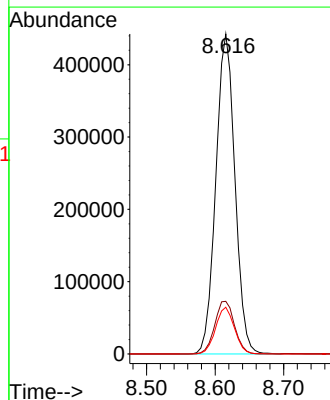
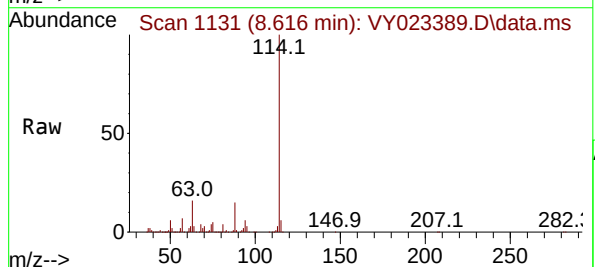
Tgt Ion:114 Resp: 855488

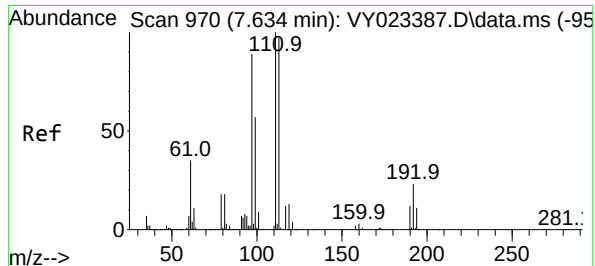
Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.2

88 14.6 0.0 28.4





#35

Dibromofluoromethane

Concen: 149.977 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion:113 Resp: 778632

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

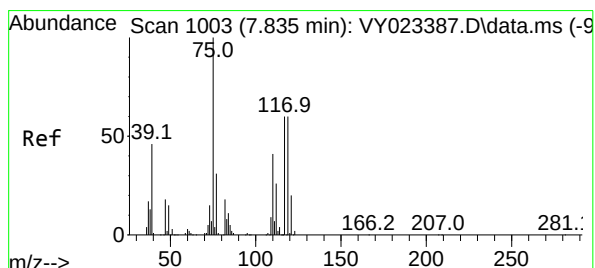
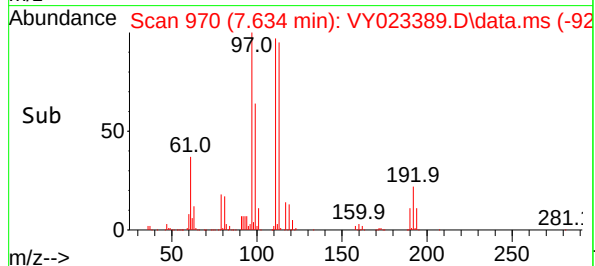
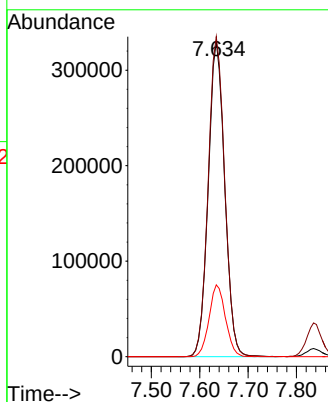
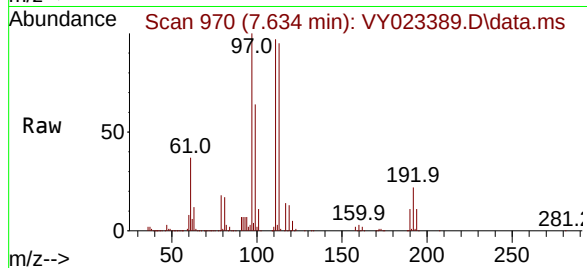
192 22.7 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#36

1,1-Dichloropropene

Concen: 146.031 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

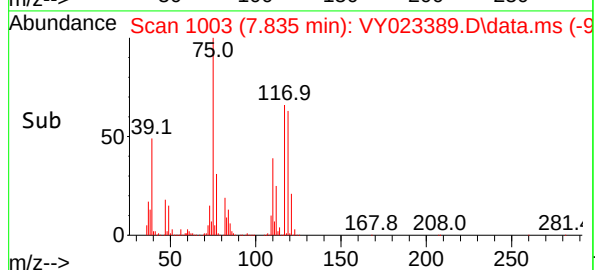
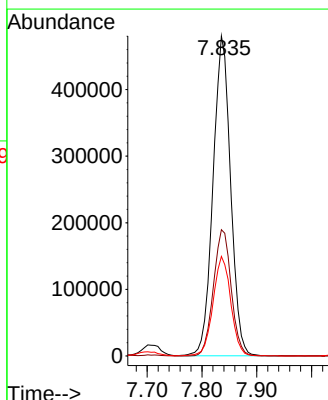
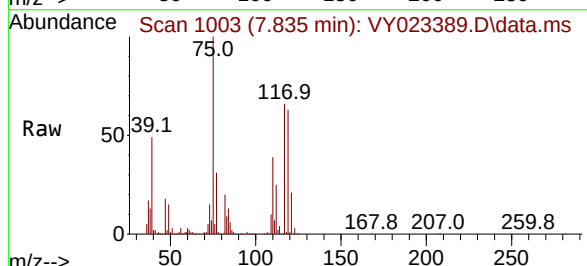
Tgt Ion: 75 Resp: 1069665

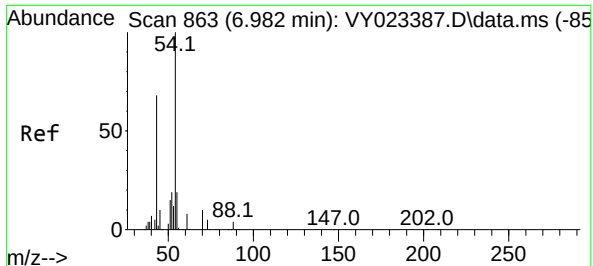
Ion Ratio Lower Upper

75 100

110 39.9 19.9 59.7

77 31.4 25.0 37.6





#37

Ethyl Acetate

Concen: 158.853 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 46002

Ion Ratio Lower Upper

43 100

61 15.9 11.8 17.8

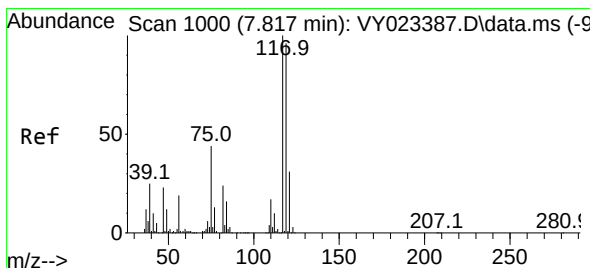
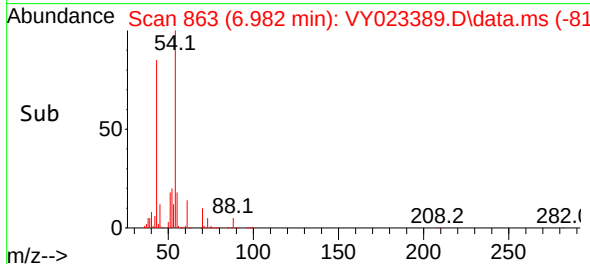
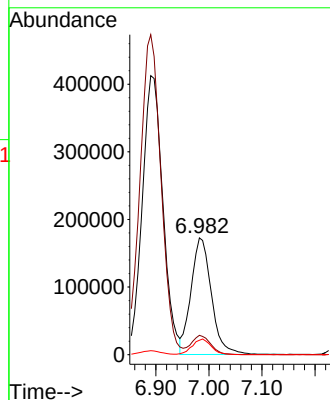
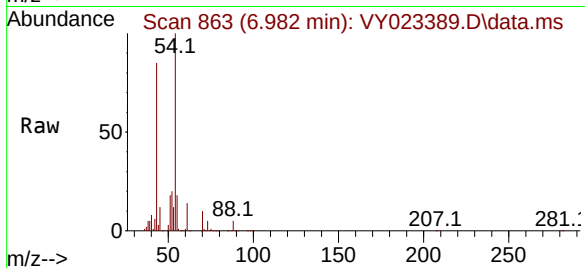
70 12.7 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#38

Carbon Tetrachloride

Concen: 151.646 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

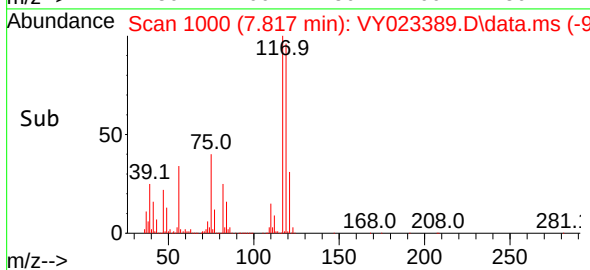
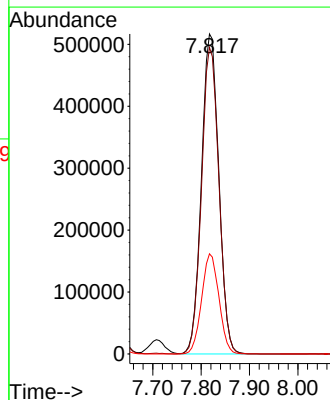
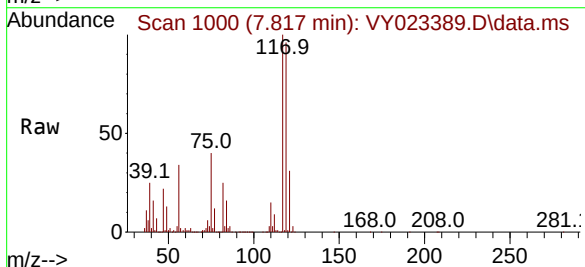
Tgt Ion:117 Resp: 1290353

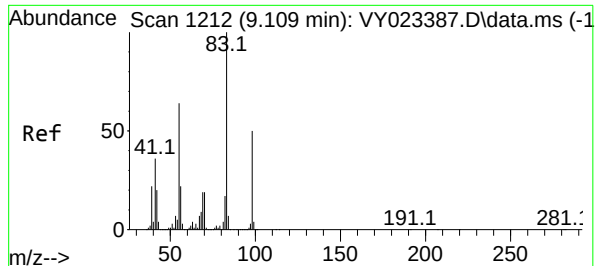
Ion Ratio Lower Upper

117 100

119 95.8 76.8 115.2

121 31.3 24.5 36.7





#39

Methylcyclohexane

Concen: 159.580 ug/l

RT: 9.109 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 1496612

Ion Ratio Lower Upper

83 100

55 65.2 51.4 77.2

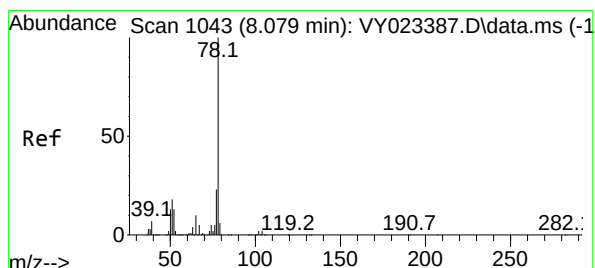
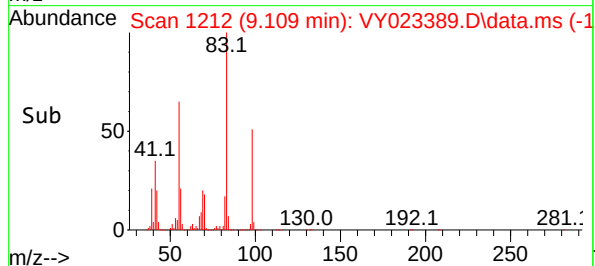
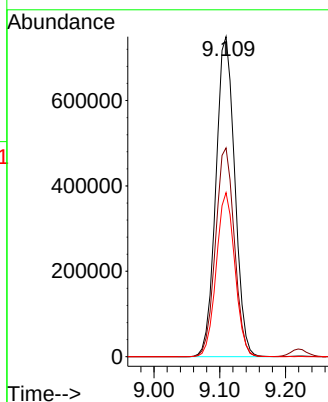
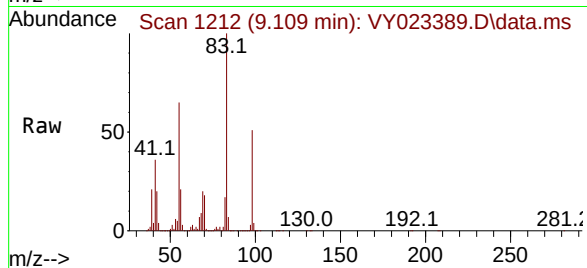
98 51.2 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Benzene

Concen: 147.442 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY023389.D

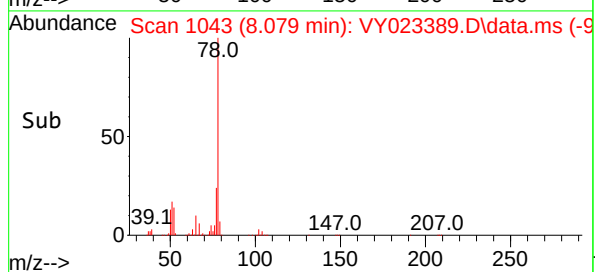
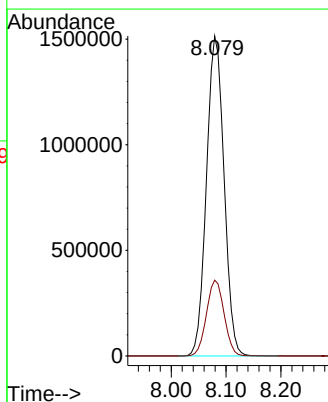
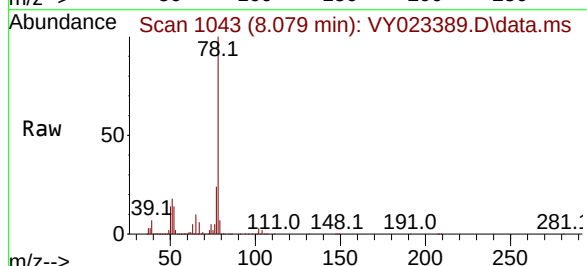
Acq: 07 Oct 2025 12:32

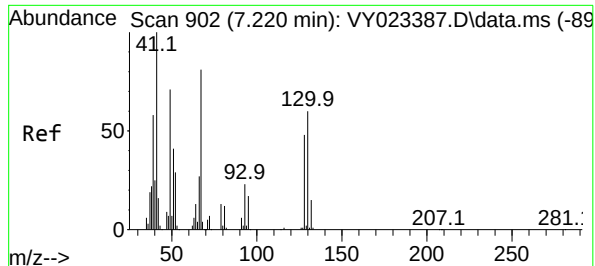
Tgt Ion: 78 Resp: 3366812

Ion Ratio Lower Upper

78 100

77 23.7 18.3 27.5





#41

Methacrylonitrile

Concen: 164.212 ug/l

RT: 7.220 min Scan# 902

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 41 Resp: 246974

Ion Ratio Lower Upper

41 100

39 61.7 52.2 78.4

67 93.3 74.9 112.3

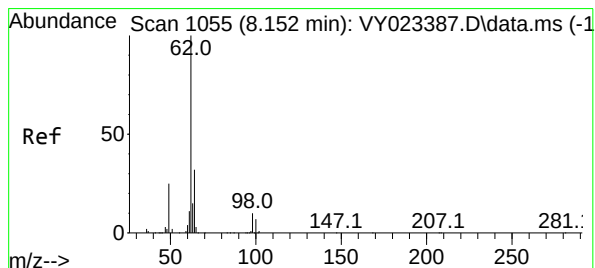
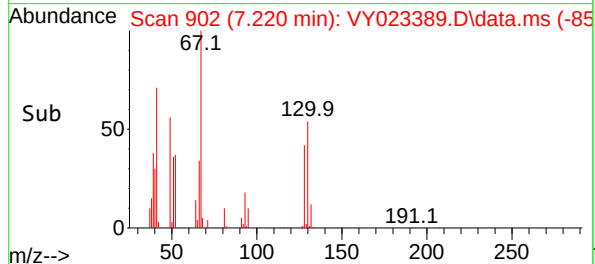
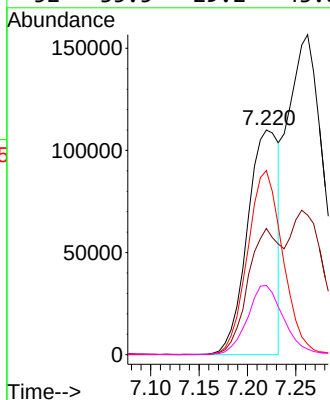
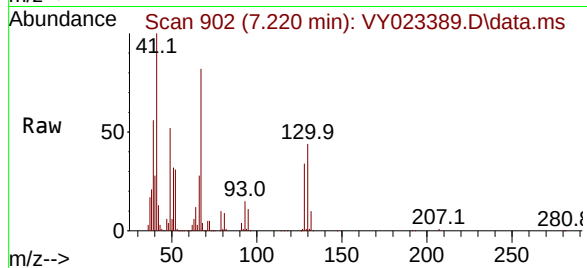
52 35.5 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#42

1,2-Dichloroethane

Concen: 149.063 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VY023389.D

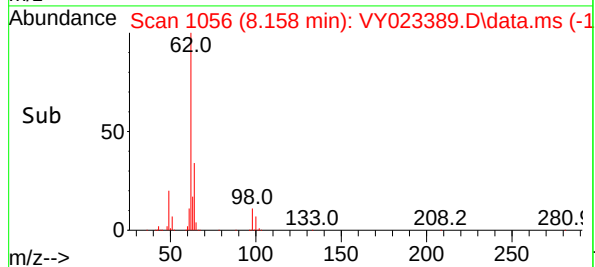
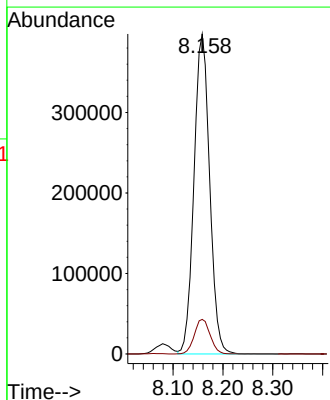
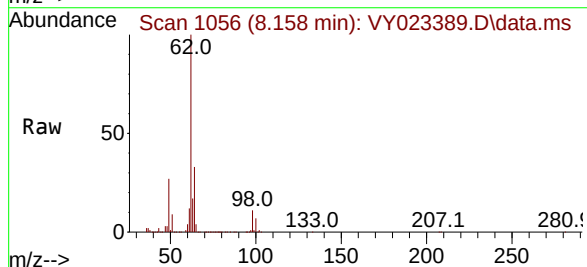
Acq: 07 Oct 2025 12:32

Tgt Ion: 62 Resp: 866250

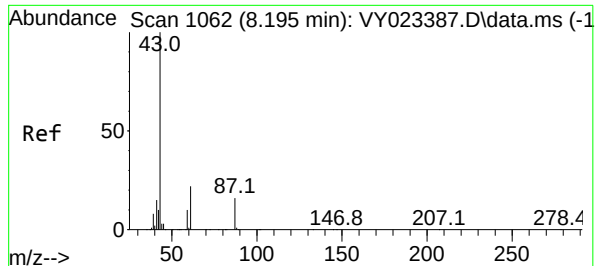
Ion Ratio Lower Upper

62 100

98 11.0 0.0 21.6







#43

Isopropyl Acetate

Concen: 167.955 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

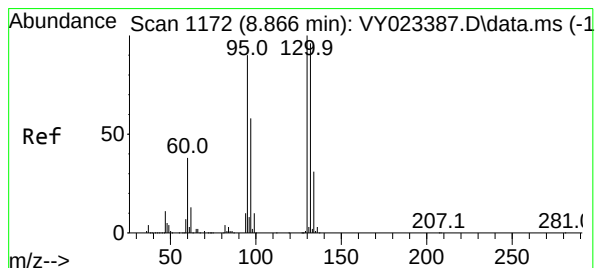
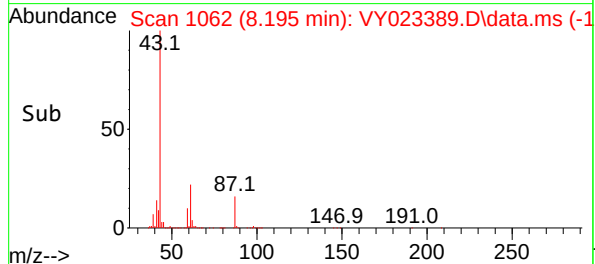
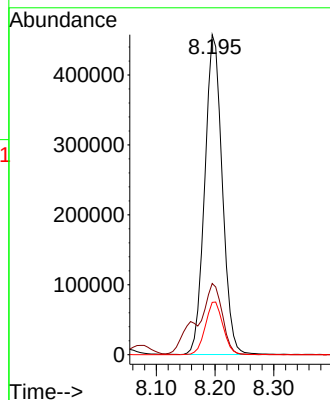
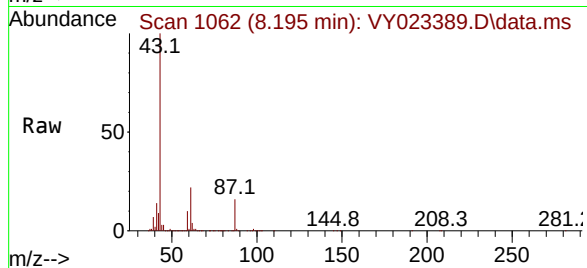
ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 946085  
Ion Ratio Lower Upper  
43 100  
61 22.6 18.1 27.1  
87 16.7 13.5 20.3

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#44

Trichloroethene

Concen: 150.740 ug/l

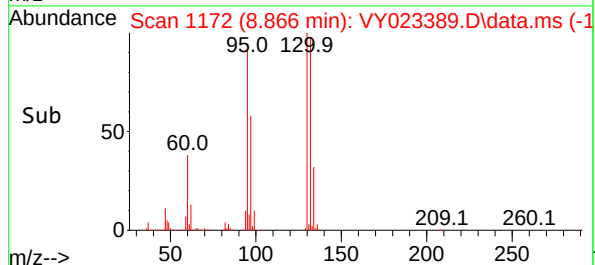
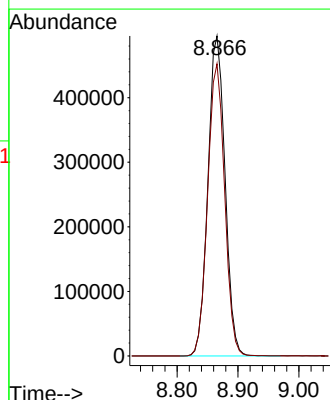
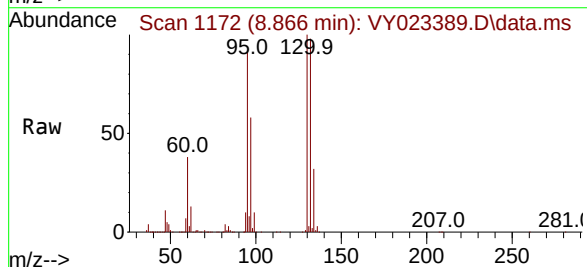
RT: 8.866 min Scan# 1172

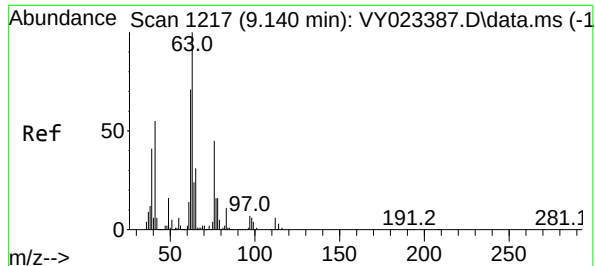
Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Tgt Ion:130 Resp: 966011  
Ion Ratio Lower Upper  
130 100  
95 91.3 0.0 180.6





#45

1,2-Dichloropropane

Concen: 146.403 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 752280

Ion Ratio Lower Upper

63 100

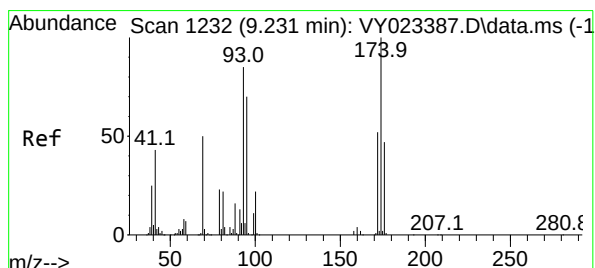
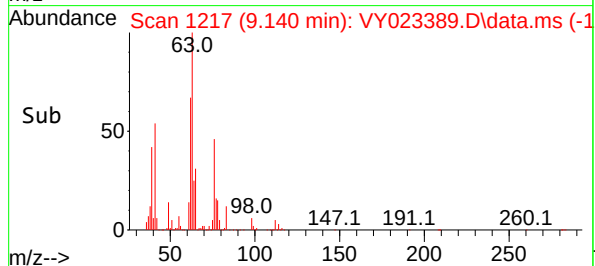
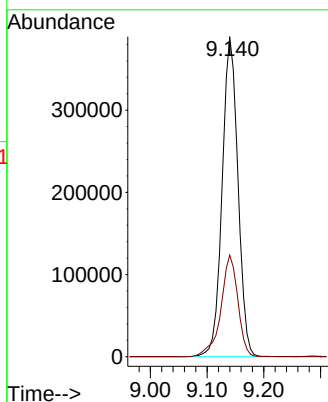
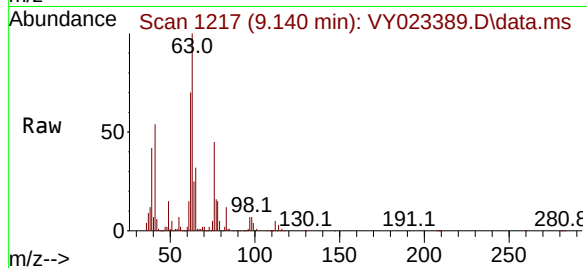
65 31.7 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

Concen: 153.895 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

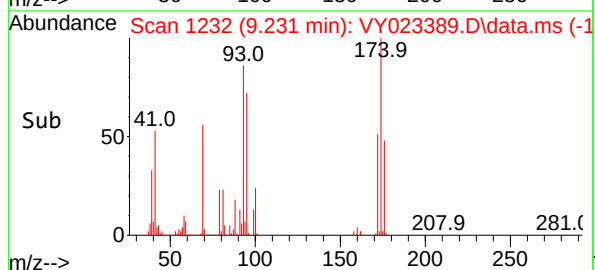
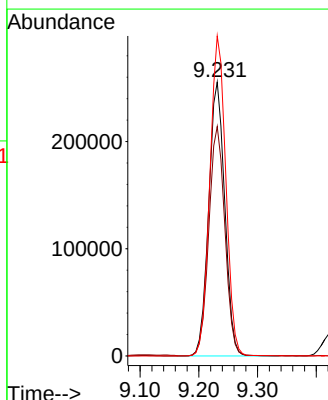
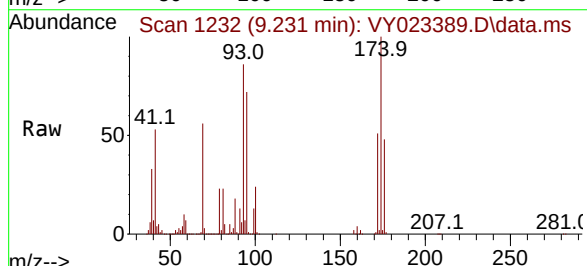
Tgt Ion: 93 Resp: 483702

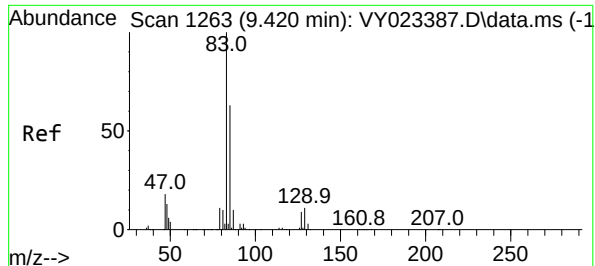
Ion Ratio Lower Upper

93 100

95 83.7 65.4 98.0

174 116.7 92.9 139.3





#47

Bromodichloromethane

Concen: 151.965 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 120224

Ion Ratio Lower Upper

83 100

85 65.6 50.8 76.2

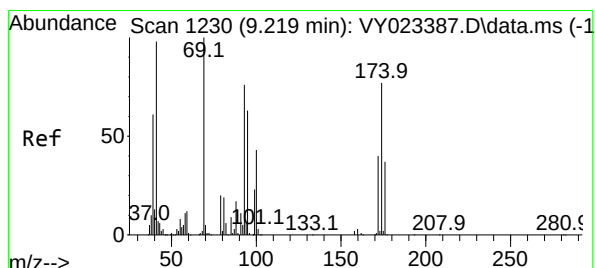
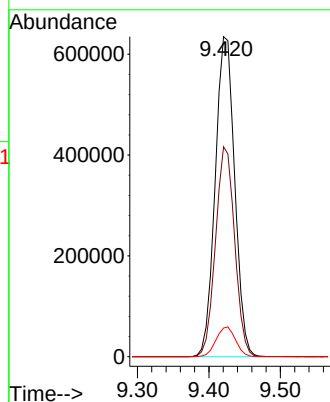
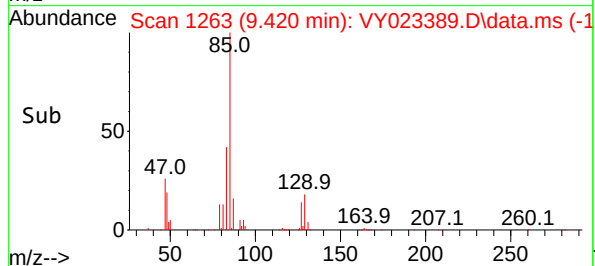
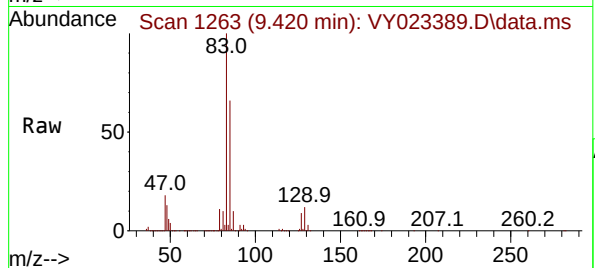
127 9.0 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#48

Methyl methacrylate

Concen: 176.368 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

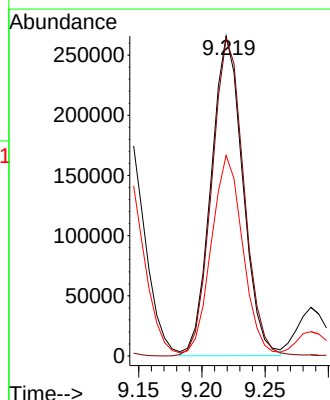
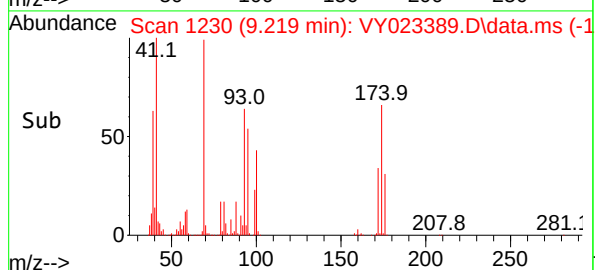
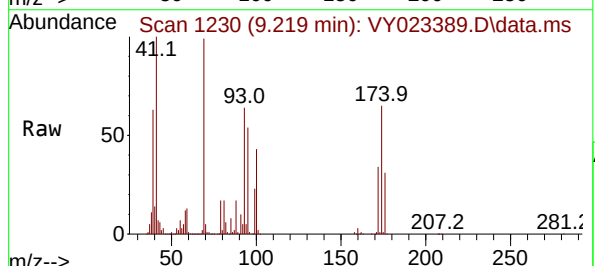
Tgt Ion: 41 Resp: 463614

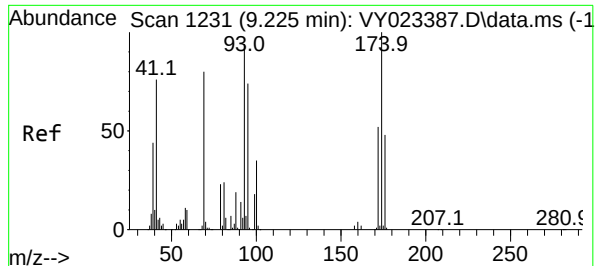
Ion Ratio Lower Upper

41 100

69 100.4 81.0 121.4

39 60.3 48.2 72.4





#49

1,4-Dioxane

Concen: 3809.726 ug/l

RT: 9.225 min Scan# 12399

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 88 Resp: 12399

Ion Ratio Lower Upper

88 100

43 27.5 21.8 32.8

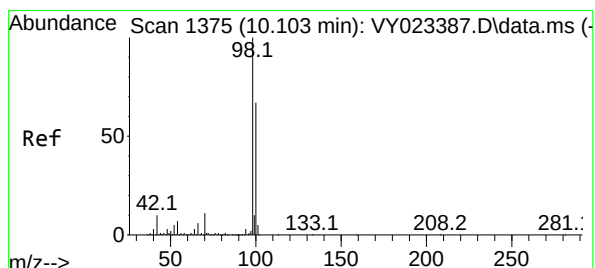
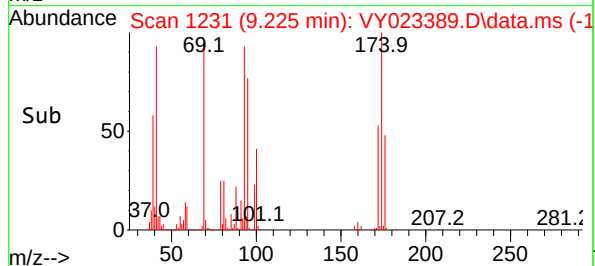
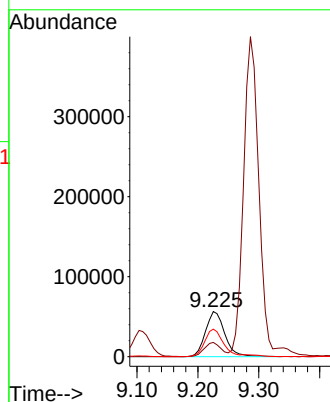
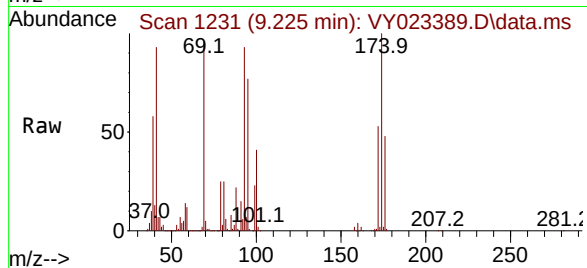
58 62.1 46.8 70.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#50

Toluene-d8

Concen: 148.741 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY023389.D

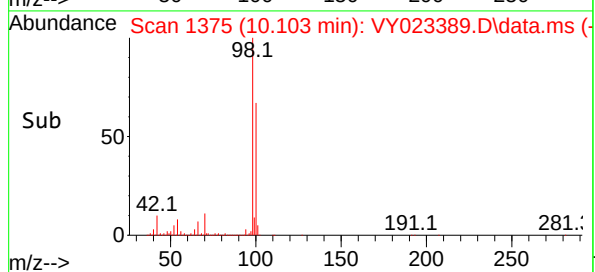
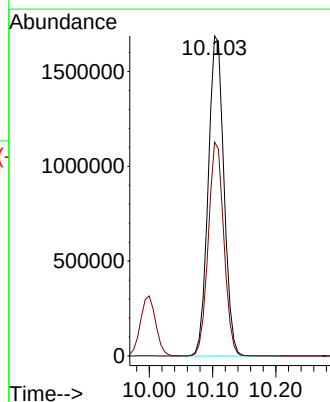
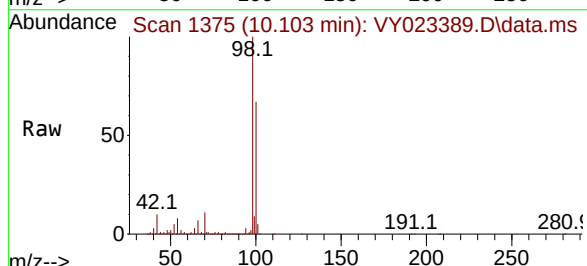
Acq: 07 Oct 2025 12:32

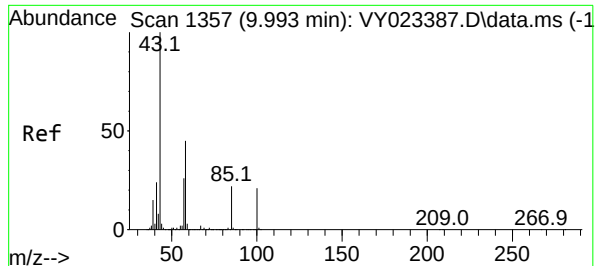
Tgt Ion: 98 Resp: 2912319

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4





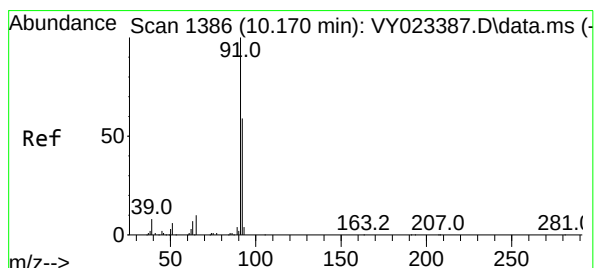
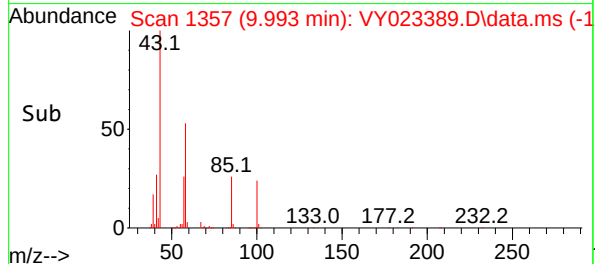
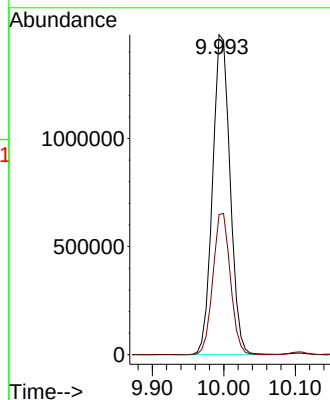
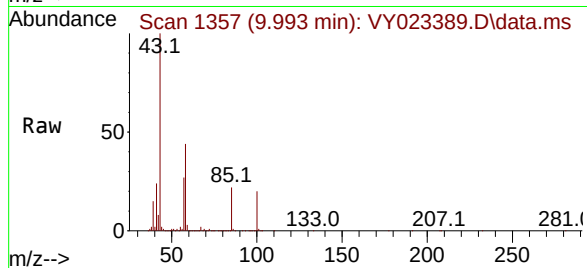
#51  
4-Methyl-2-Pentanone  
Concen: 872.045 ug/l  
RT: 9.993 min Scan# 1357  
Delta R.T. 0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

Tgt Ion: 43 Resp: 251610  
Ion Ratio Lower Upper  
43 100  
58 44.1 35.3 52.9

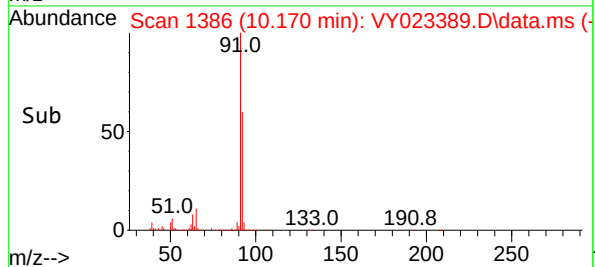
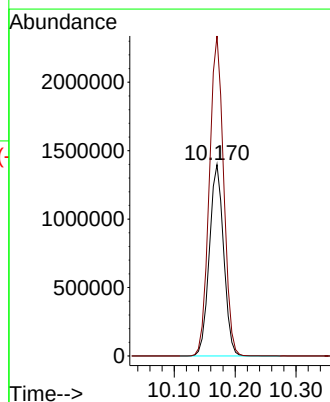
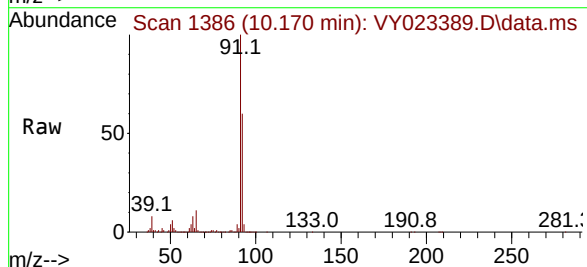
Manual Integrations  
APPROVED

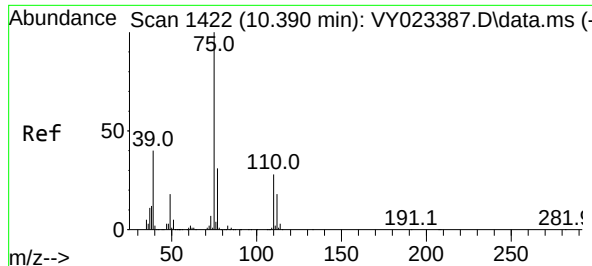
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#52  
Toluene  
Concen: 156.786 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

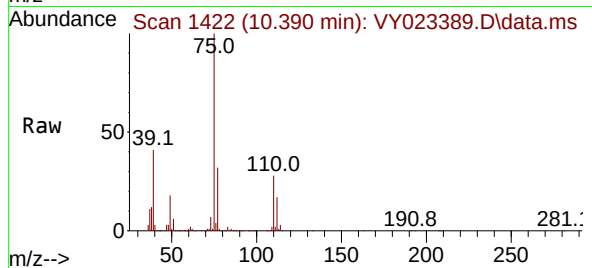
Tgt Ion: 92 Resp: 2272574  
Ion Ratio Lower Upper  
92 100  
91 168.3 136.4 204.6





#53  
t-1,3-Dichloropropene  
Concen: 165.367 ug/l  
RT: 10.390 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

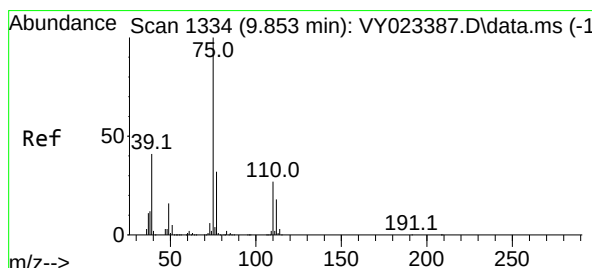
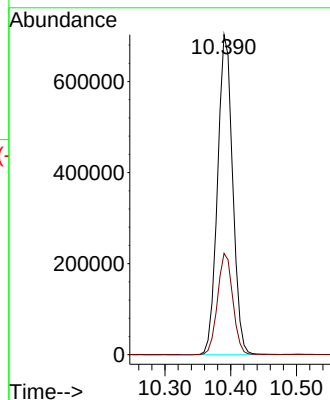
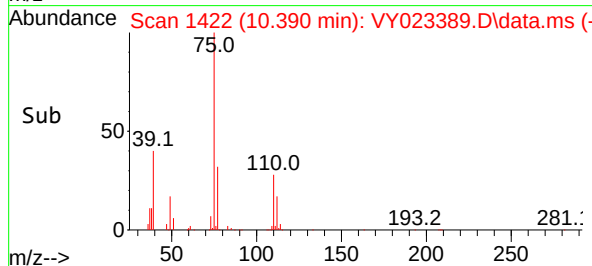
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150



Tgt Ion: 75 Resp: 1123644  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.1 37.7

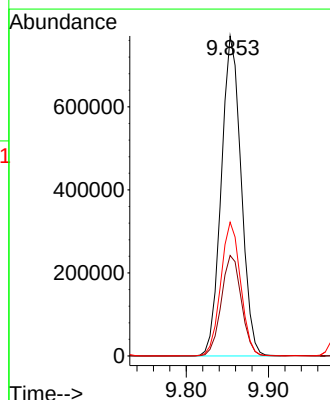
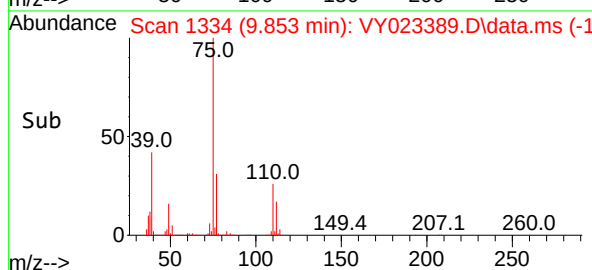
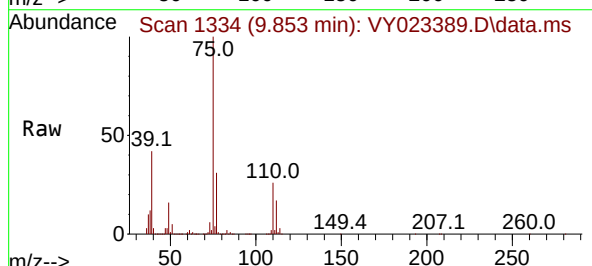
Manual Integrations  
APPROVED

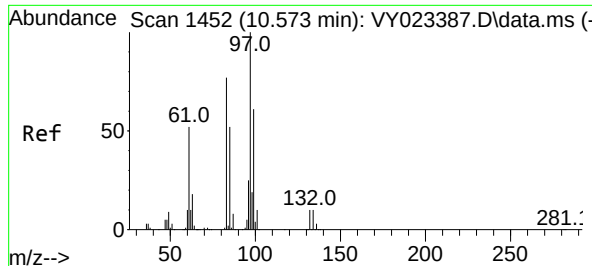
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#54  
cis-1,3-Dichloropropene  
Concen: 159.654 ug/l  
RT: 9.853 min Scan# 1334  
Delta R.T. 0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 1296713  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.4 38.0  
39 41.7 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 156.020 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 97 Resp: 65224

Ion Ratio Lower Upper

97 100

83 83.2 61.8 92.6

85 53.7 41.3 61.9

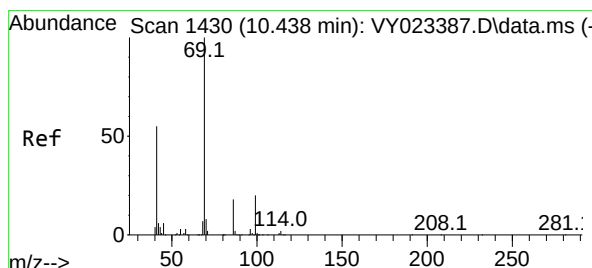
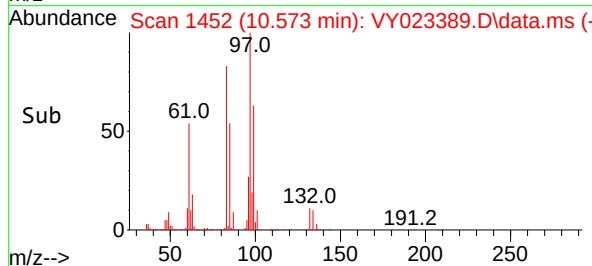
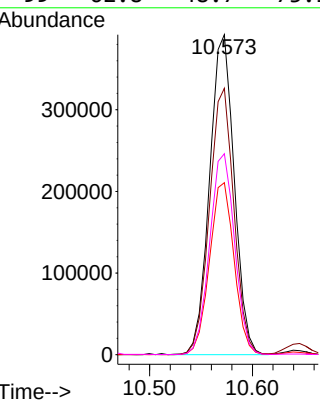
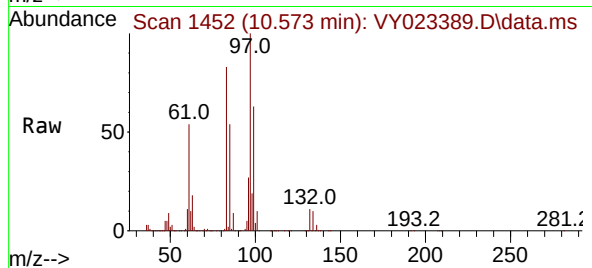
99 62.8 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#56

Ethyl methacrylate

Concen: 184.048 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

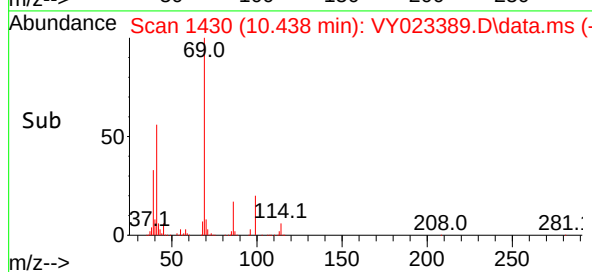
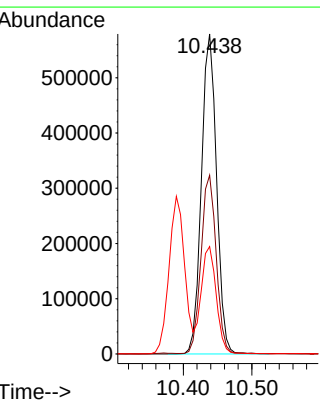
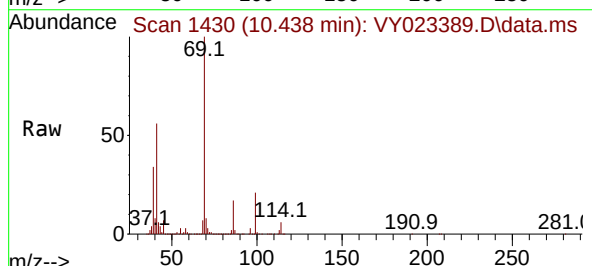
Tgt Ion: 69 Resp: 886127

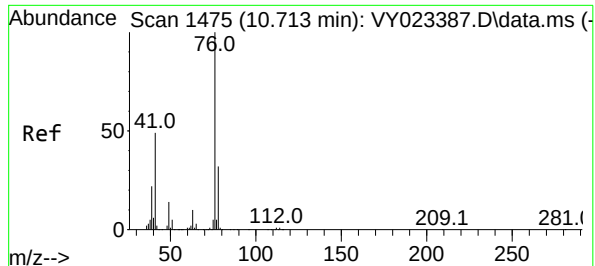
Ion Ratio Lower Upper

69 100

41 56.0 44.6 67.0

39 33.6 27.0 40.4





#57

1,3-Dichloropropane

Concen: 155.122 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 104959

Ion Ratio Lower Upper

76 100

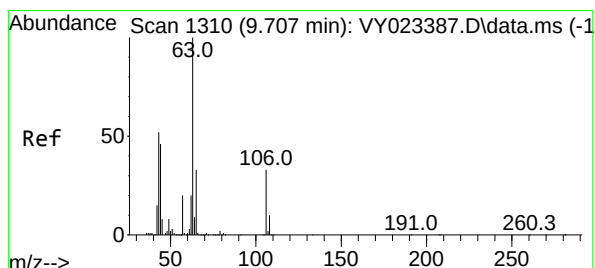
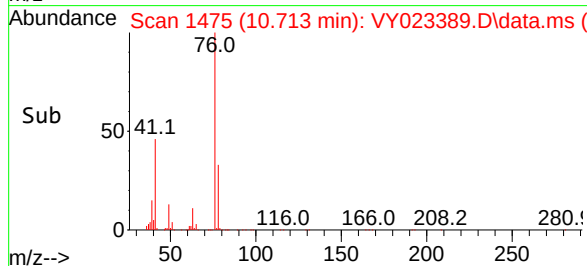
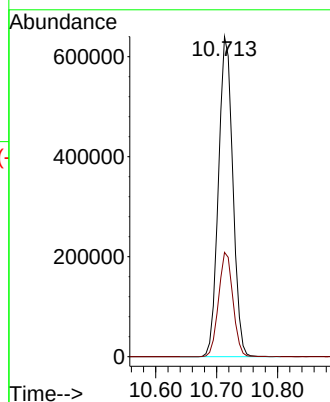
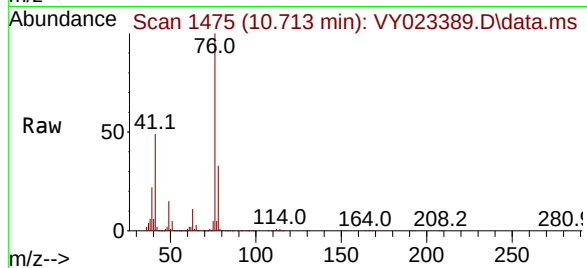
78 32.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#58

2-Chloroethyl Vinyl ether

Concen: 968.559 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023389.D

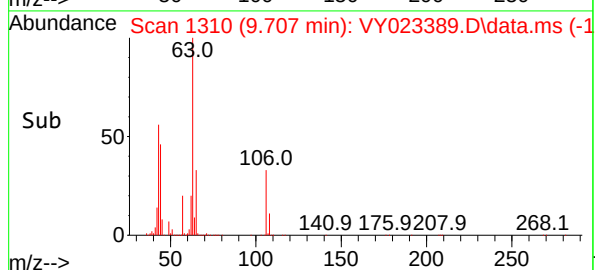
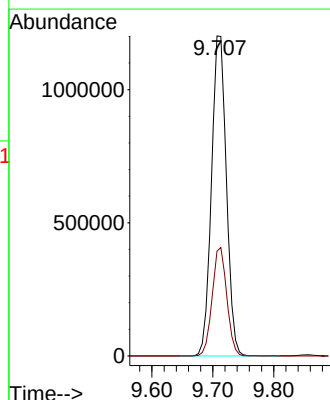
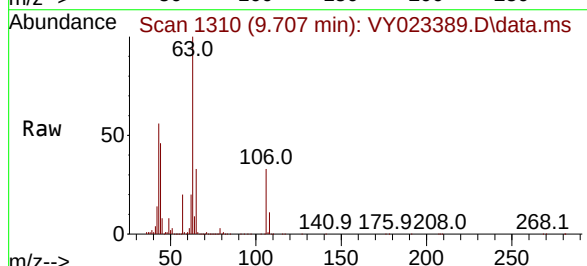
Acq: 07 Oct 2025 12:32

Tgt Ion: 63 Resp: 2040136

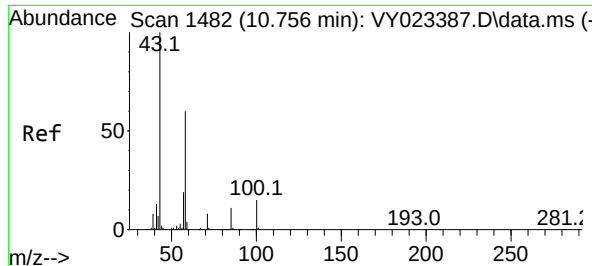
Ion Ratio Lower Upper

63 100

106 33.2 26.6 39.8







#59

2-Hexanone

Concen: 889.038 ug/l

RT: 10.755 min Scan# 1482

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 177603

Ion Ratio Lower Upper

43 100

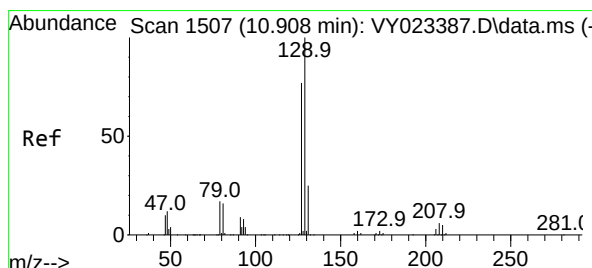
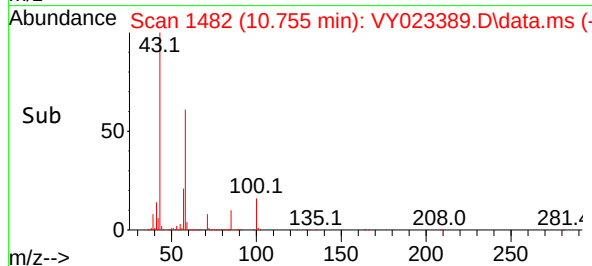
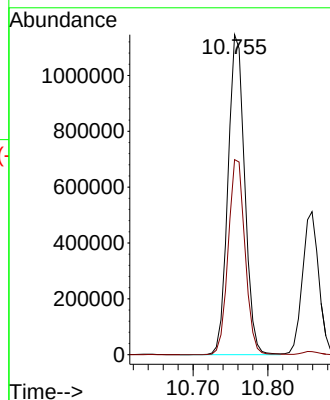
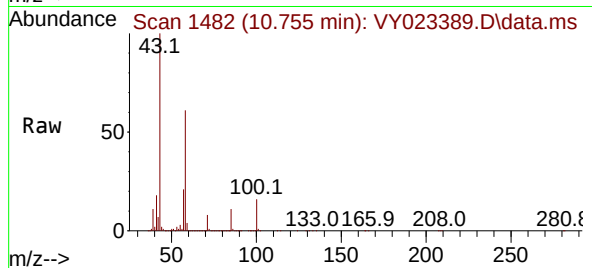
58 61.4 30.5 91.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#60

Dibromochloromethane

Concen: 164.084 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.000 min

Lab File: VY023389.D

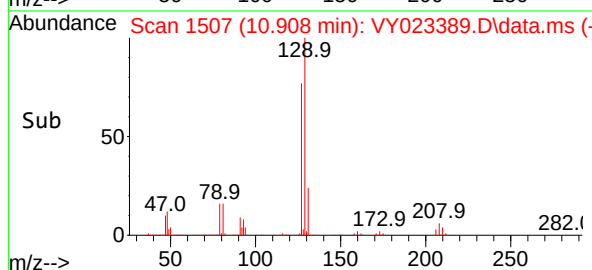
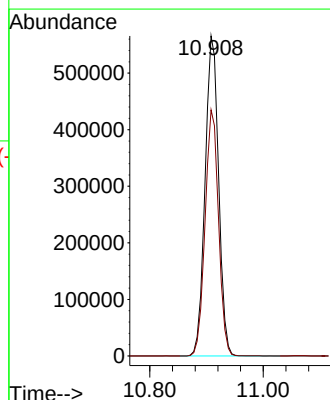
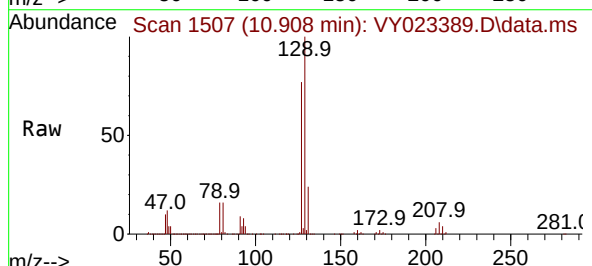
Acq: 07 Oct 2025 12:32

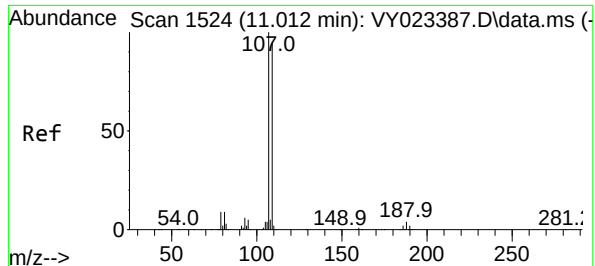
Tgt Ion:129 Resp: 935577

Ion Ratio Lower Upper

129 100

127 76.4 38.6 115.7





#61

1,2-Dibromoethane

Concen: 162.699 ug/l

RT: 11.012 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tgt Ion:107 Resp: 63989

Ion Ratio Lower Upper

107 100

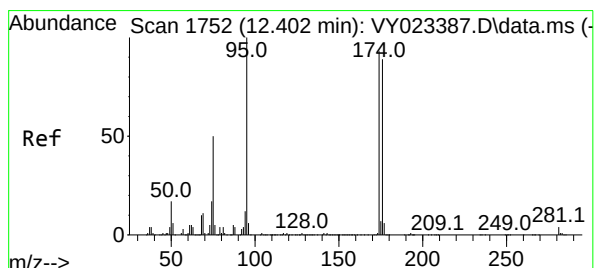
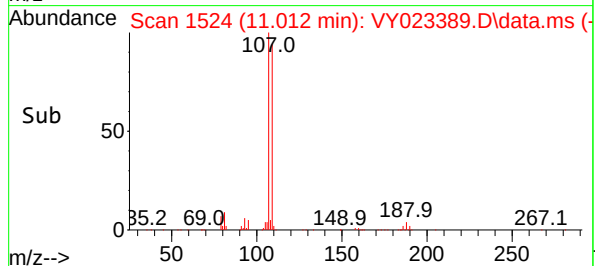
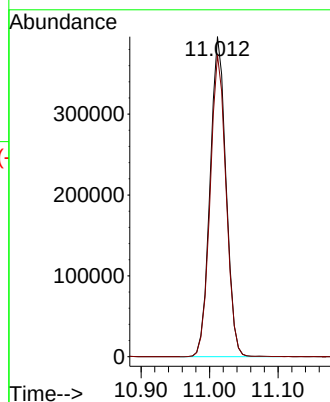
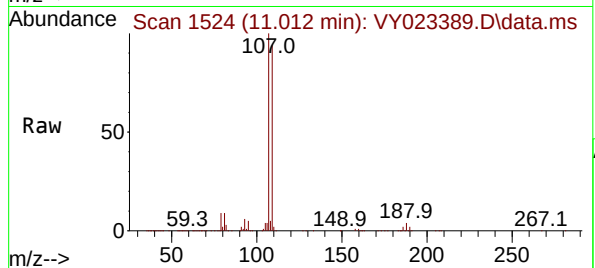
109 94.4 76.1 114.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#62

4-Bromofluorobenzene

Concen: 160.423 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

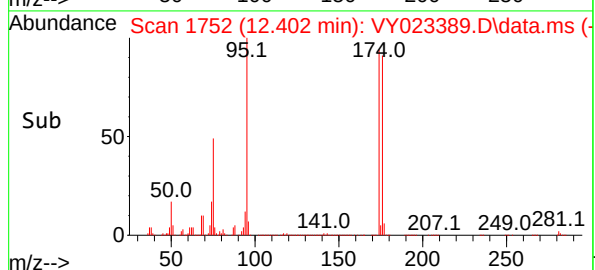
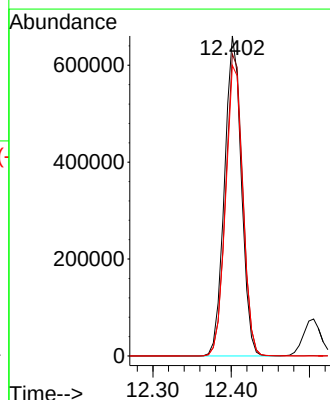
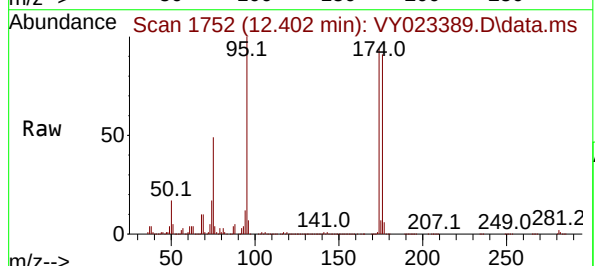
Tgt Ion: 95 Resp: 990964

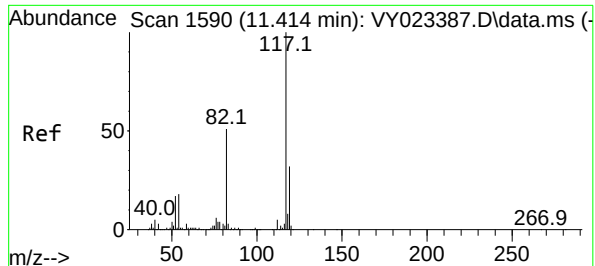
Ion Ratio Lower Upper

95 100

174 95.8 0.0 192.8

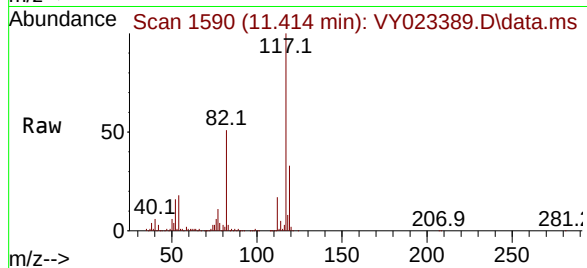
176 92.8 0.0 187.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

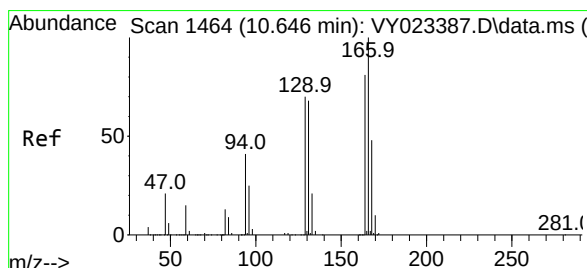
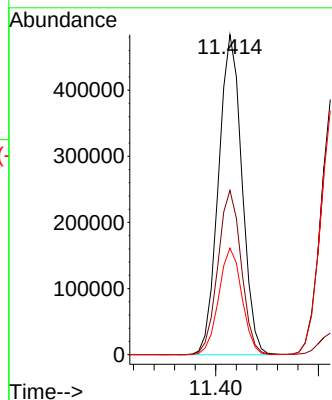
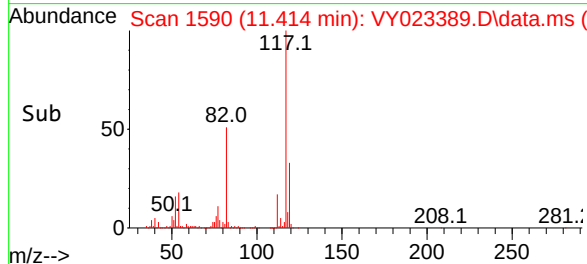
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150



Tgt Ion:117 Resp: 76535  
Ion Ratio Lower Upper  
117 100  
82 51.3 41.0 61.4  
119 33.3 25.6 38.4

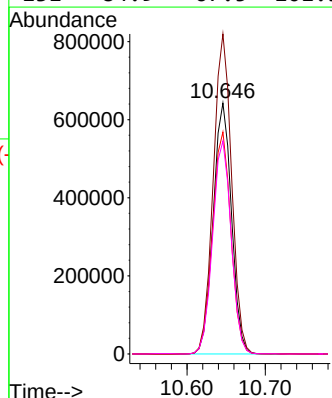
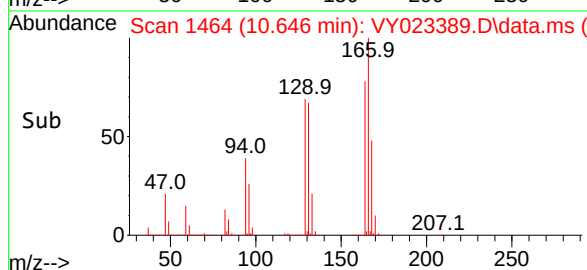
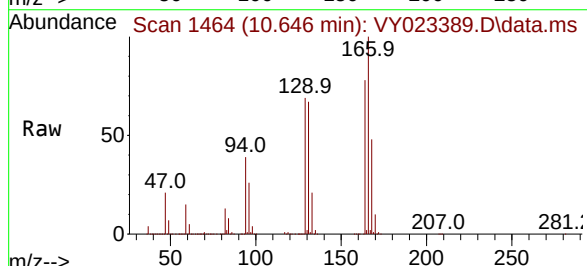
Manual Integrations  
APPROVED

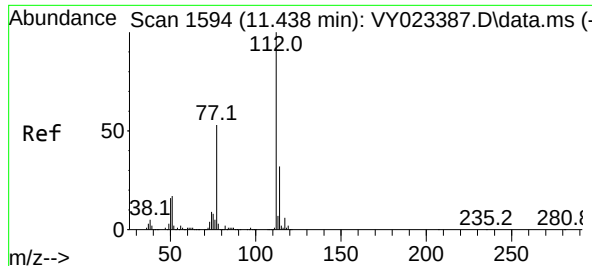
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#64  
Tetrachloroethene  
Concen: 136.739 ug/l  
RT: 10.646 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Tgt Ion:164 Resp: 1046931  
Ion Ratio Lower Upper  
164 100  
166 127.5 99.4 149.0  
129 88.4 69.4 104.2  
131 84.9 67.5 101.3





#65

Chlorobenzene

Concen: 154.117 ug/l

RT: 11.438 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tgt Ion:112 Resp: 2563170

Ion Ratio Lower Upper

112 100

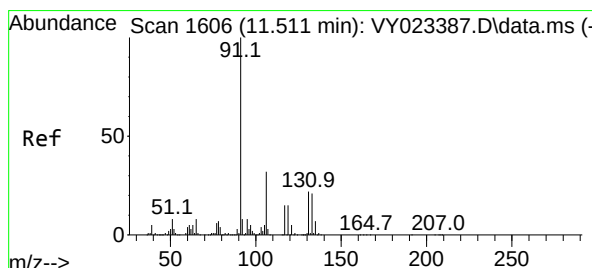
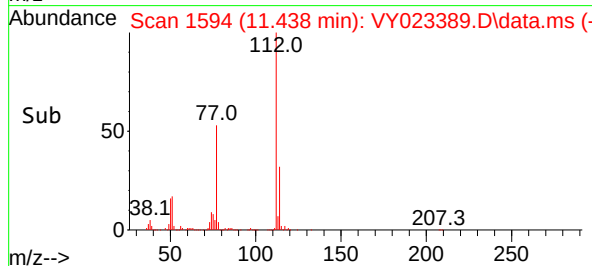
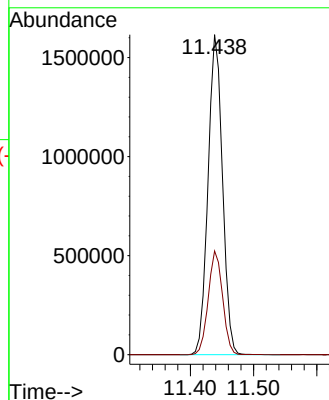
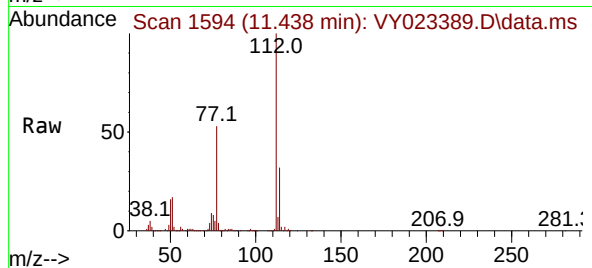
114 32.4 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 157.870 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

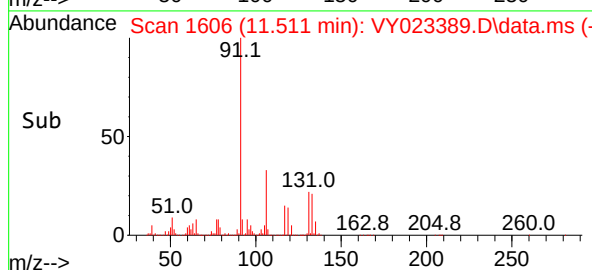
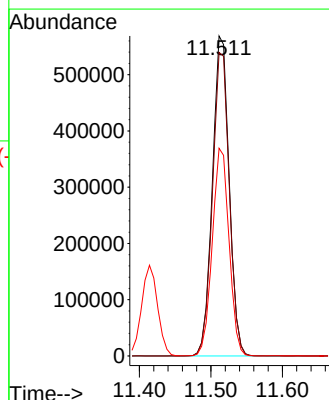
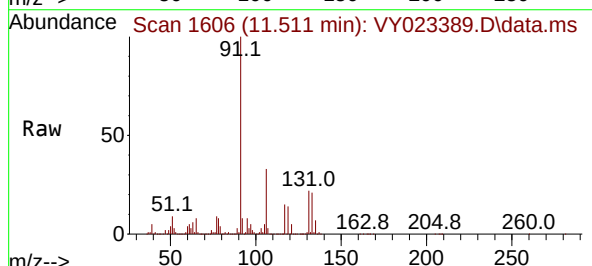
Tgt Ion:131 Resp: 923367

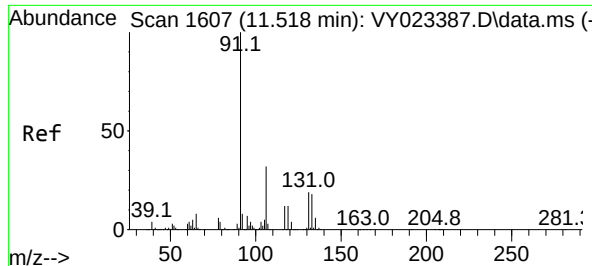
Ion Ratio Lower Upper

131 100

133 95.4 48.4 145.2

119 65.2 32.4 97.2





#67

Ethyl Benzene

Concen: 159.957 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 434180

Ion Ratio Lower Upper

91 100

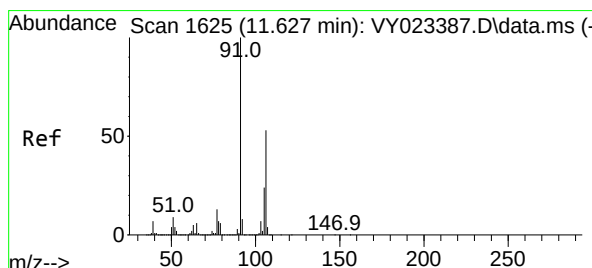
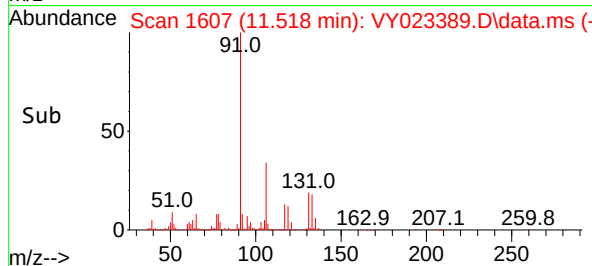
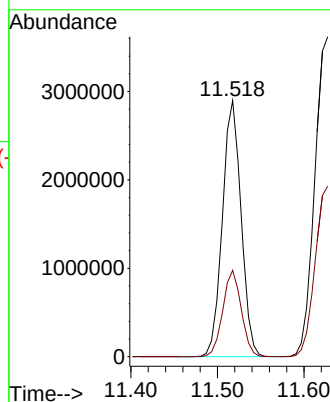
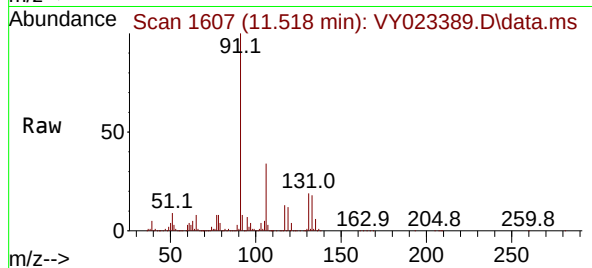
106 33.8 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#68

m/p-Xylenes

Concen: 321.899 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023389.D

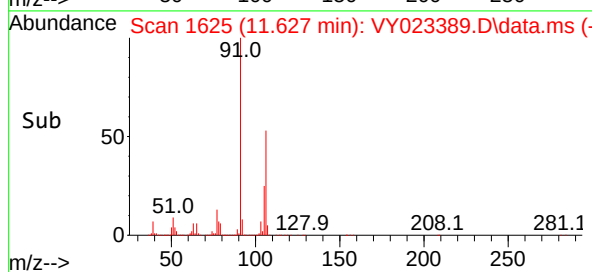
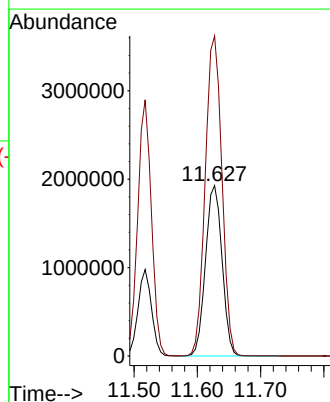
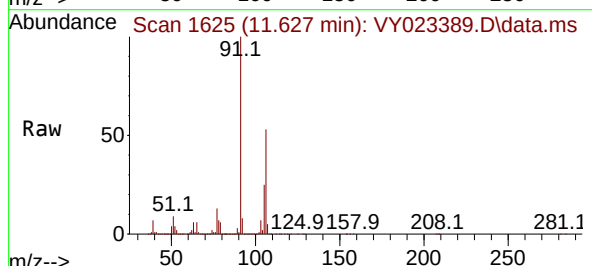
Acq: 07 Oct 2025 12:32

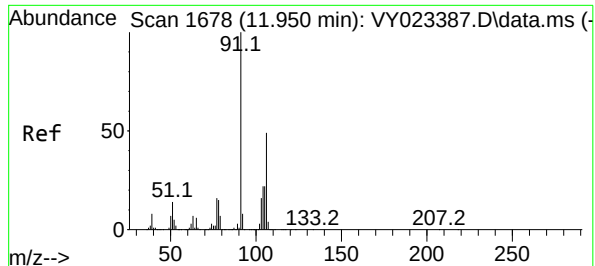
Tgt Ion:106 Resp: 3502137

Ion Ratio Lower Upper

106 100

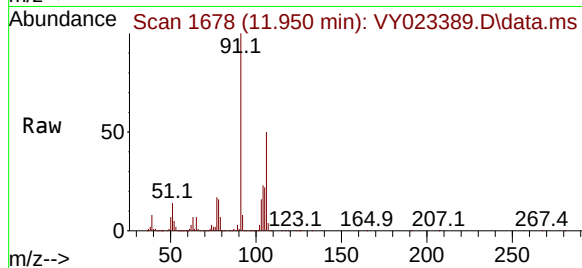
91 189.2 152.6 229.0





#69  
o-Xylene  
Concen: 168.295 ug/l  
RT: 11.950 min Scan# 1678  
Delta R.T. 0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

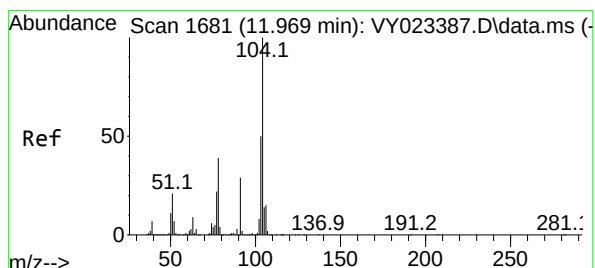
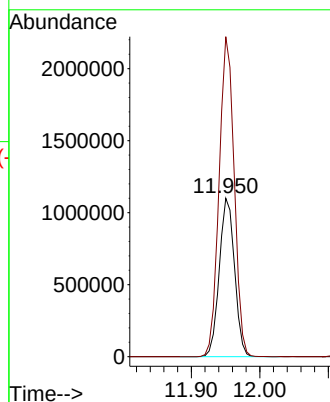
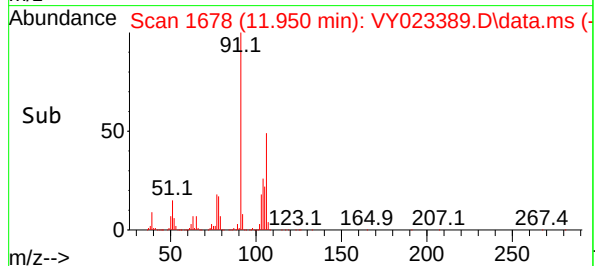
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150



Tgt Ion:106 Resp: 169498  
Ion Ratio Lower Upper  
106 100  
91 200.0 101.4 304.1

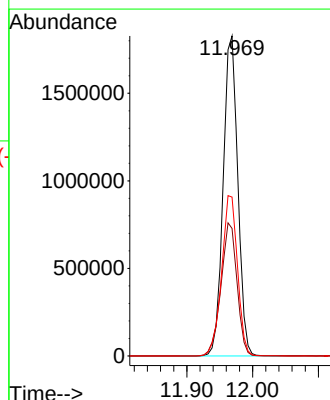
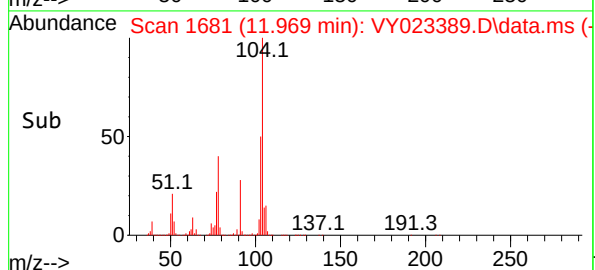
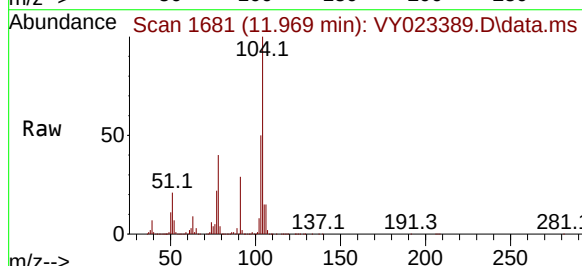
Manual Integrations  
APPROVED

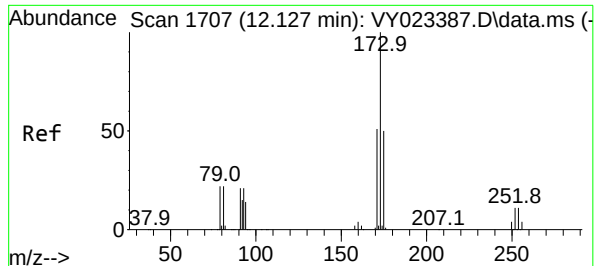
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#70  
Styrene  
Concen: 170.203 ug/l  
RT: 11.969 min Scan# 1681  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

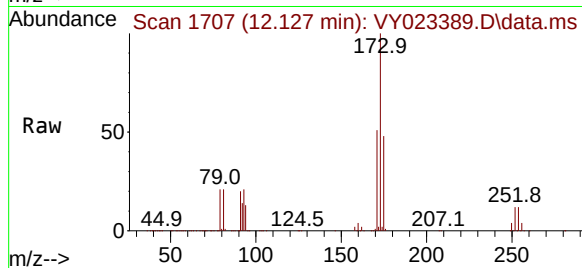
Tgt Ion:104 Resp: 2830398  
Ion Ratio Lower Upper  
104 100  
78 45.5 36.1 54.1  
103 54.3 43.2 64.8





#71  
Bromoform  
Concen: 172.115 ug/l  
RT: 12.127 min Scan# 1707  
Delta R.T. 0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

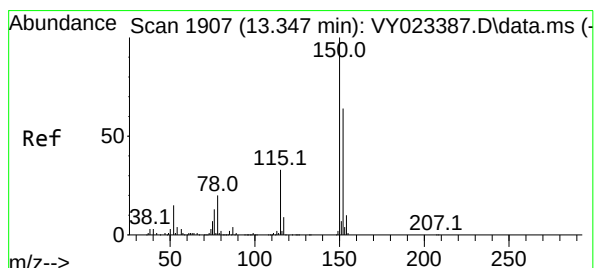
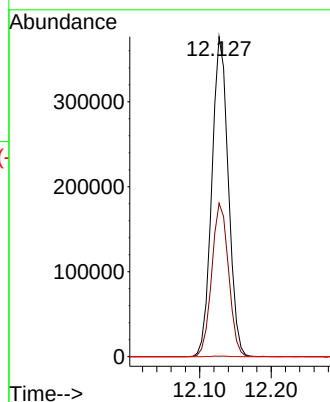
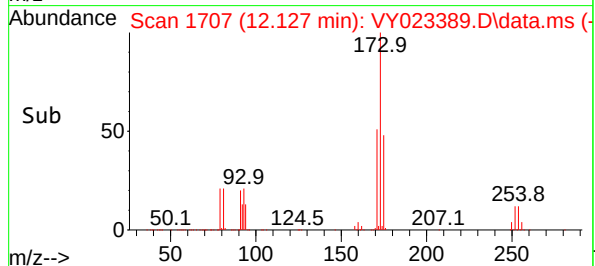
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150



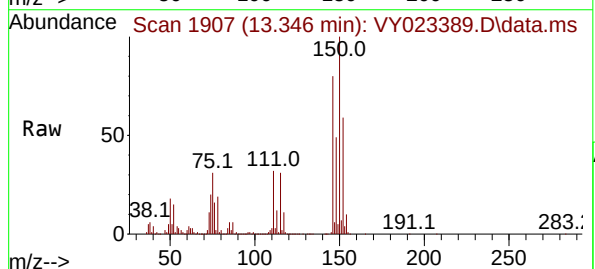
Tgt Ion:173 Resp: 602644  
Ion Ratio Lower Upper  
173 100  
175 48.9 24.8 74.3  
254 0.2 0.1 0.1

Manual Integrations  
APPROVED

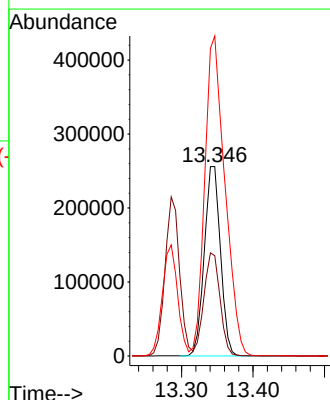
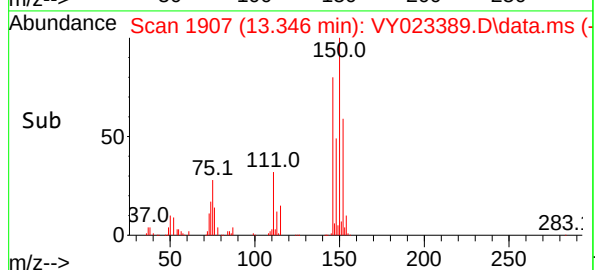
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

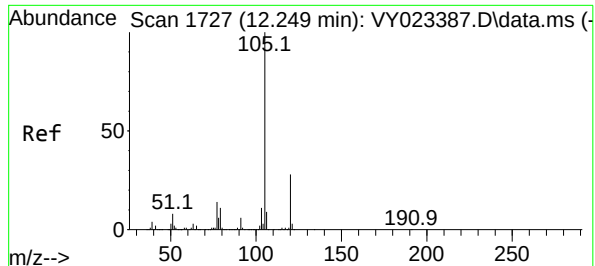


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32



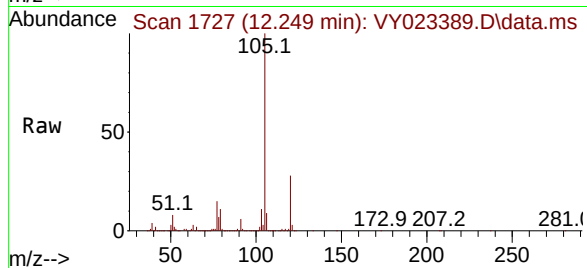
Tgt Ion:152 Resp: 402368  
Ion Ratio Lower Upper  
152 100  
115 54.1 27.1 81.2  
150 210.4 0.0 347.4





#73  
Isopropylbenzene  
Concen: 160.084 ug/l  
RT: 12.249 min Scan# 1727  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

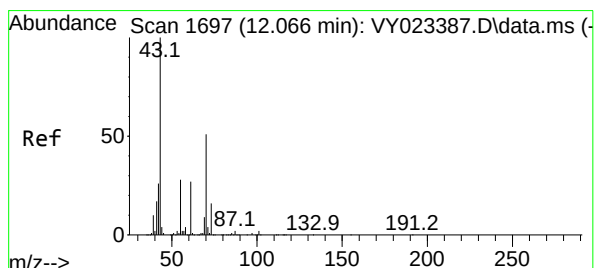
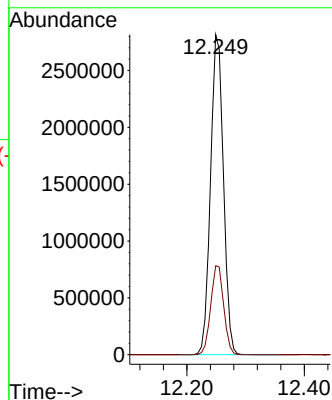
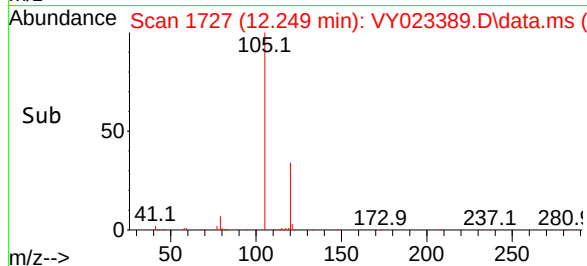
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150



Tgt Ion:105 Resp: 4290662  
Ion Ratio Lower Upper  
105 100  
120 27.9 13.9 41.7

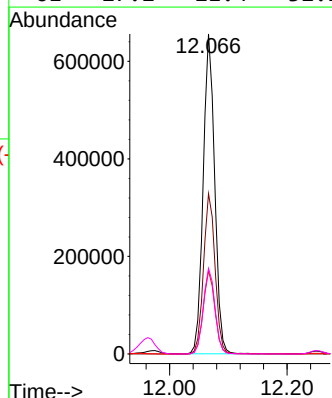
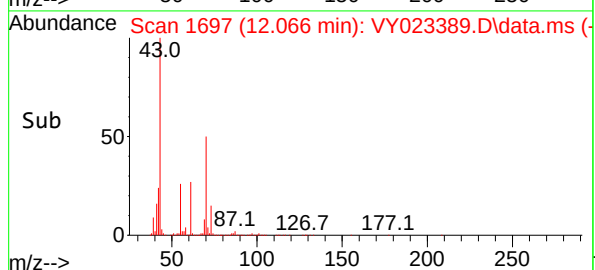
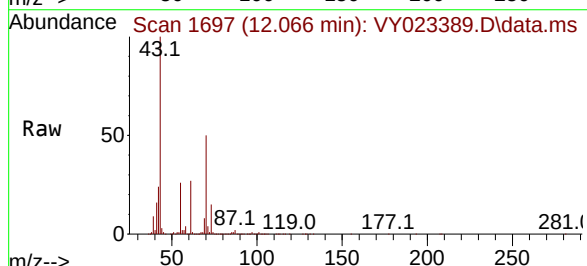
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

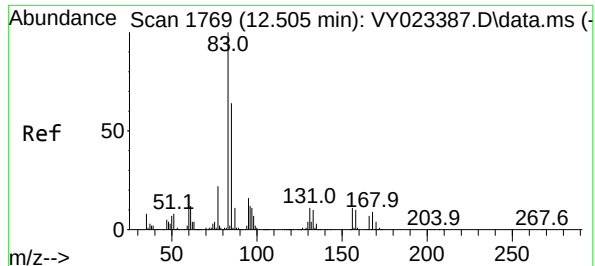


#74  
N-ethyl acetate  
Concen: 177.866 ug/l  
RT: 12.066 min Scan# 1697  
Delta R.T. 0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 890882  
Ion Ratio Lower Upper  
43 100  
70 50.6 41.1 61.7  
55 26.4 23.0 34.6  
61 27.2 21.4 32.2

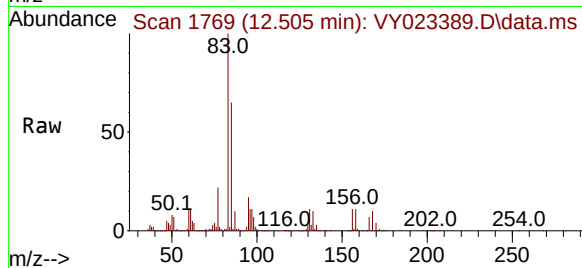






#75  
1,1,2-Tetrachloroethane  
Concen: 165.010 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

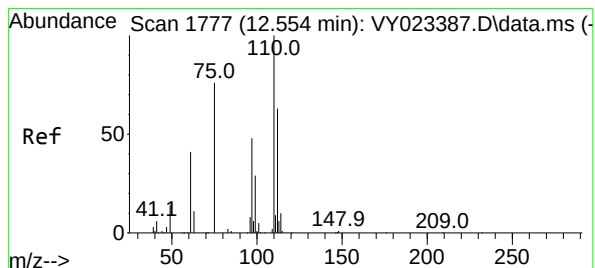
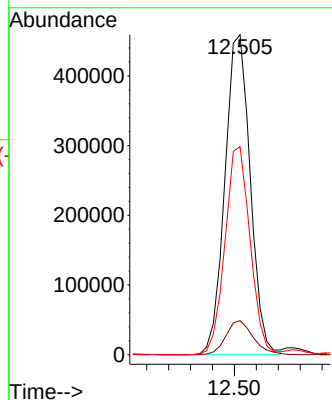
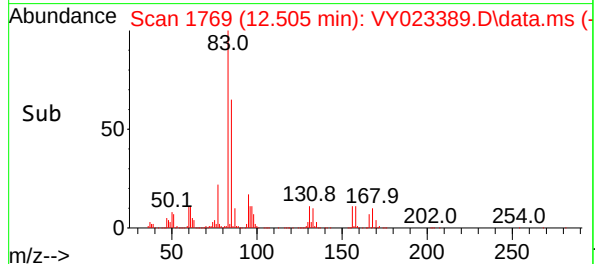
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150



Tgt Ion: 83 Resp: 73777  
Ion Ratio Lower Upper  
83 100  
131 11.4 5.9 17.6  
85 64.4 31.8 95.3

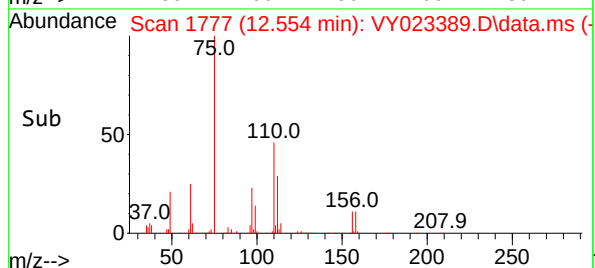
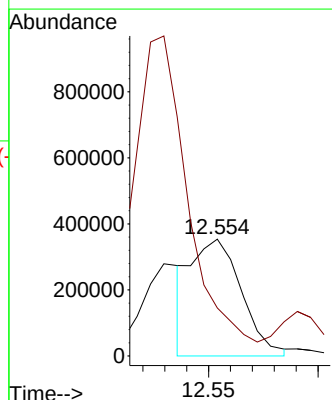
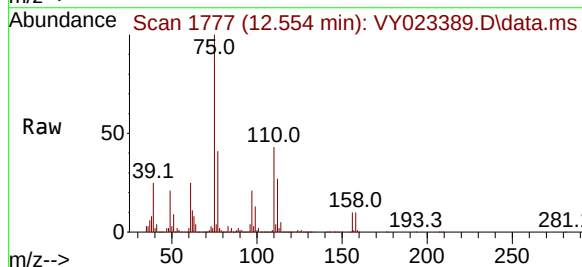
Manual Integrations  
APPROVED

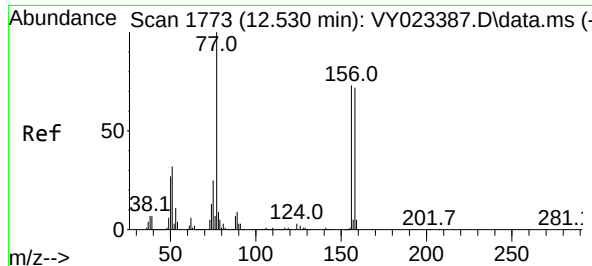
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#76  
1,2,3-Trichloropropane  
Concen: 142.542 ug/l m  
RT: 12.554 min Scan# 1777  
Delta R.T. 0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

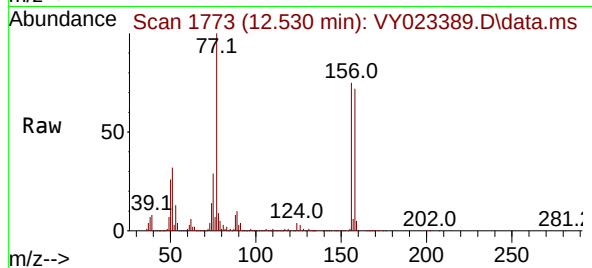
Tgt Ion: 75 Resp: 565754  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77  
Bromobenzene  
Concen: 161.555 ug/l  
RT: 12.530 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

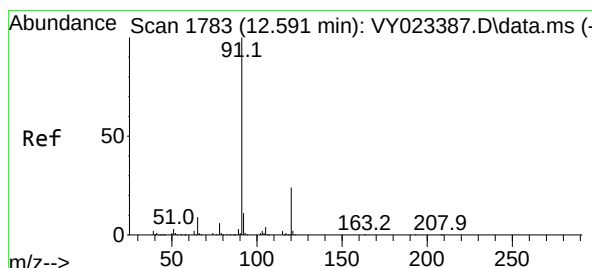
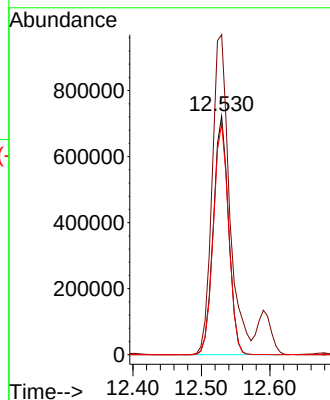
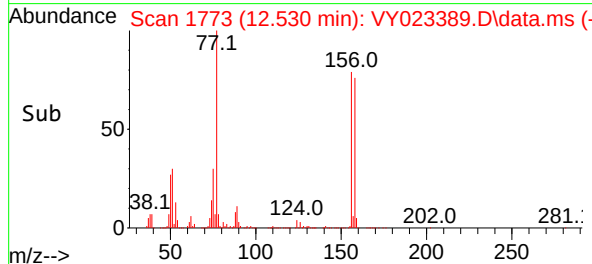
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150



Tgt Ion:156 Resp: 1111318  
Ion Ratio Lower Upper  
156 100  
77 153.9 76.8 230.5  
158 97.4 49.0 147.2

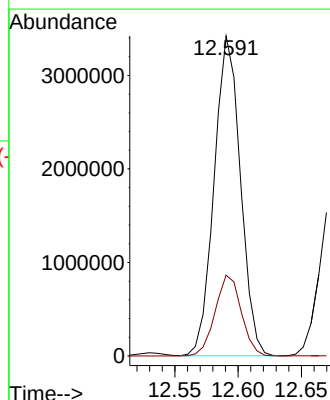
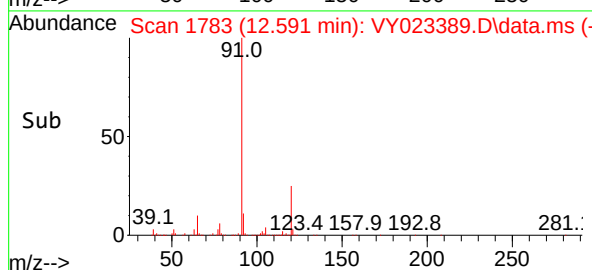
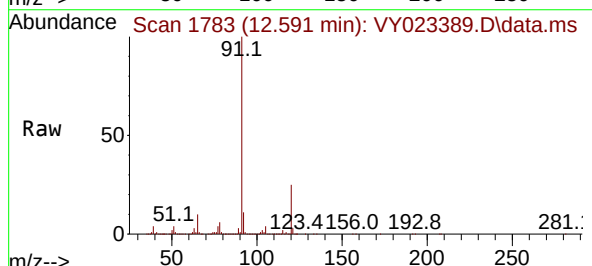
Manual Integrations  
APPROVED

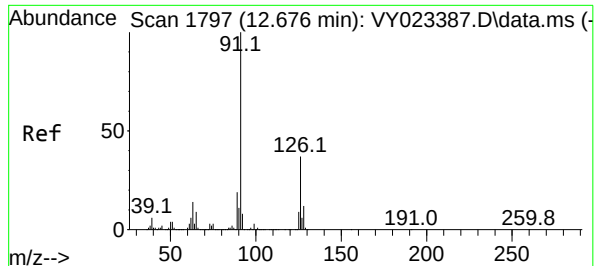
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#78  
n-propylbenzene  
Concen: 156.465 ug/l  
RT: 12.591 min Scan# 1783  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Tgt Ion: 91 Resp: 4932015  
Ion Ratio Lower Upper  
91 100  
120 25.1 12.3 36.8





#79

2-Chlorotoluene

Concen: 155.063 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 2822049

Ion Ratio Lower Upper

91 100

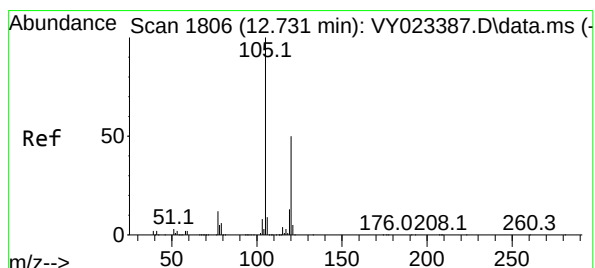
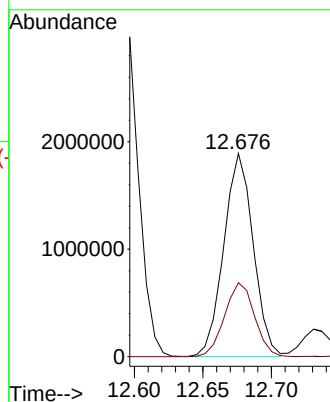
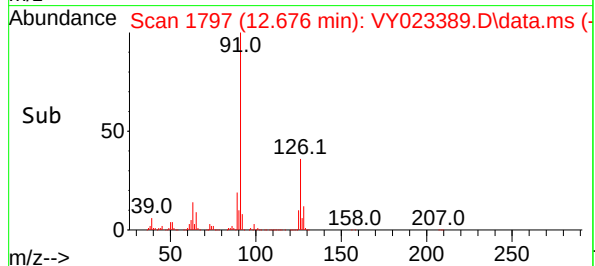
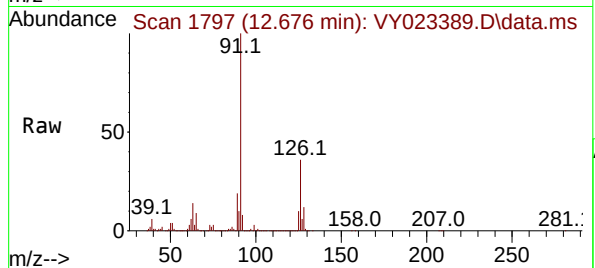
126 37.1 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 160.460 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023389.D

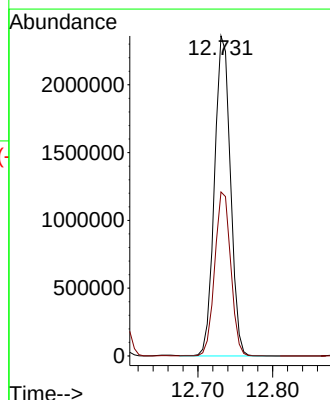
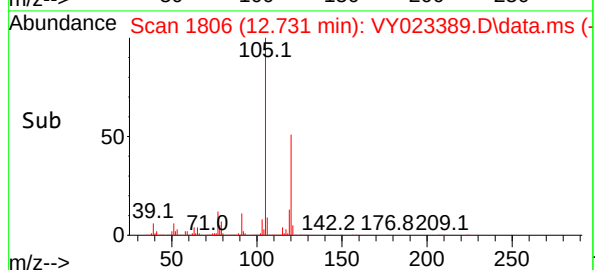
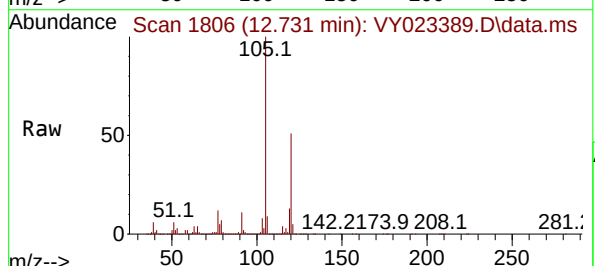
Acq: 07 Oct 2025 12:32

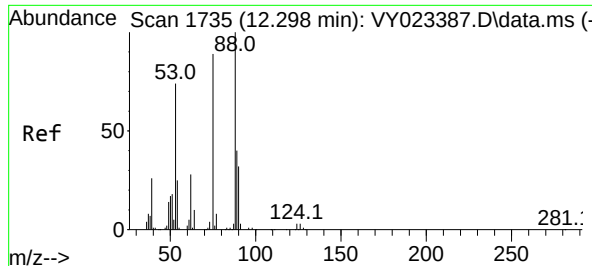
Tgt Ion:105 Resp: 3496249

Ion Ratio Lower Upper

105 100

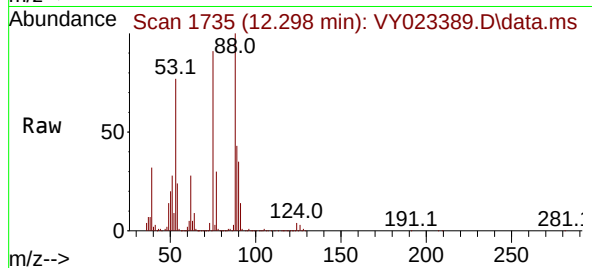
120 51.4 25.4 76.4





#81  
trans-1,4-Dichloro-2-butene  
Concen: 166.570 ug/l  
RT: 12.298 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

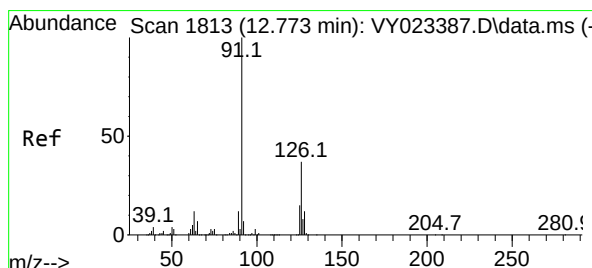
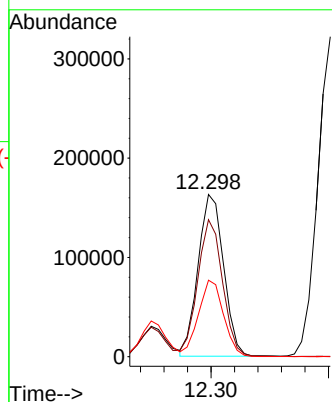
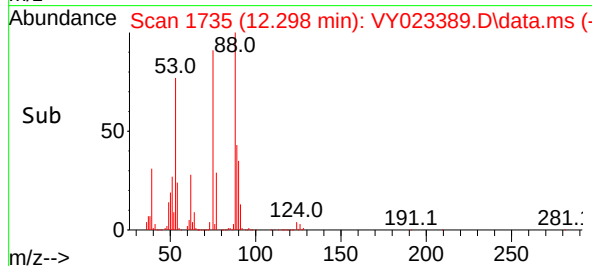
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150



Tgt Ion: 75 Resp: 245190  
Ion Ratio Lower Upper  
75 100  
53 83.6 68.6 102.8  
89 46.8 39.0 58.4

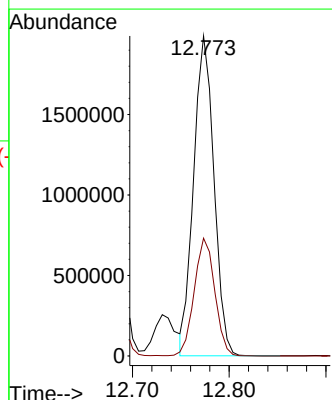
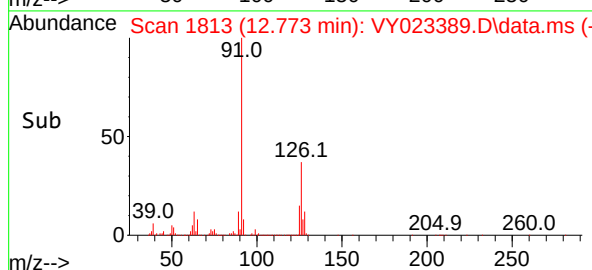
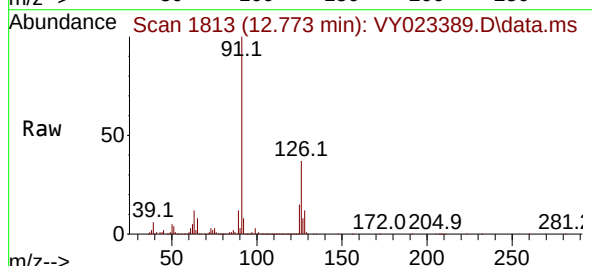
Manual Integrations  
APPROVED

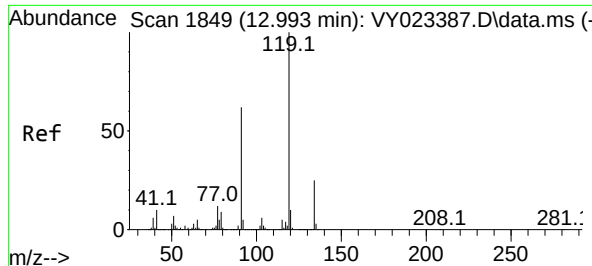
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#82  
4-Chlorotoluene  
Concen: 152.701 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

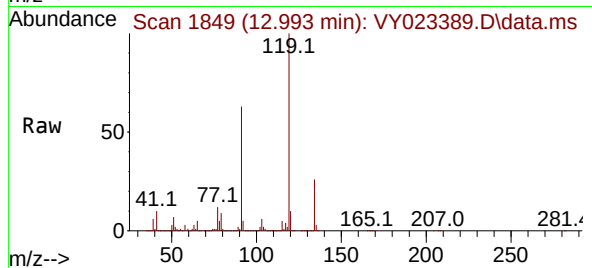
Tgt Ion: 91 Resp: 2902371  
Ion Ratio Lower Upper  
91 100  
126 37.3 18.4 55.4





#83  
tert-Butylbenzene  
Concen: 162.197 ug/l  
RT: 12.993 min Scan# 1849  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

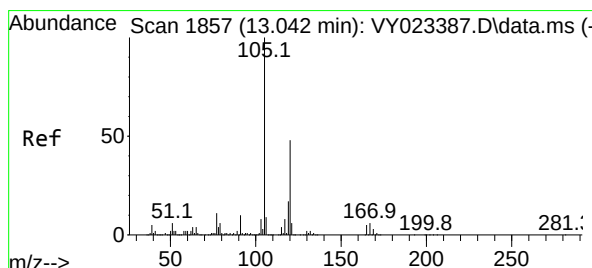
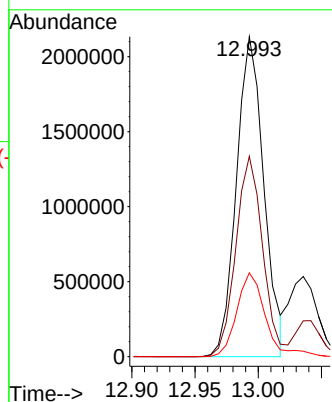
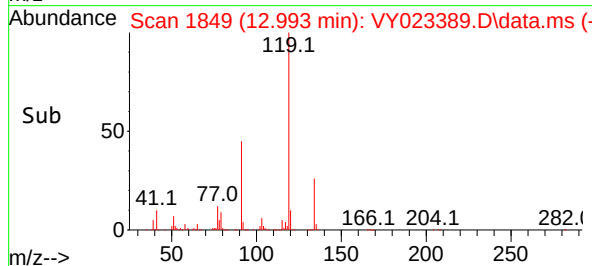
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150



Tgt Ion:119 Resp: 3220384  
Ion Ratio Lower Upper  
119 100  
91 61.6 29.9 89.8  
134 27.4 12.9 38.7

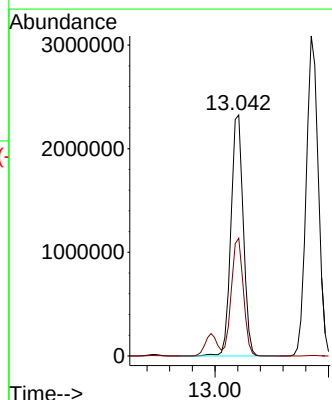
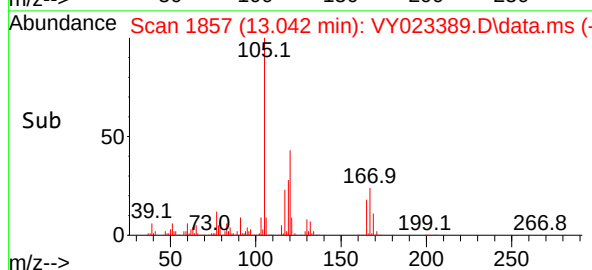
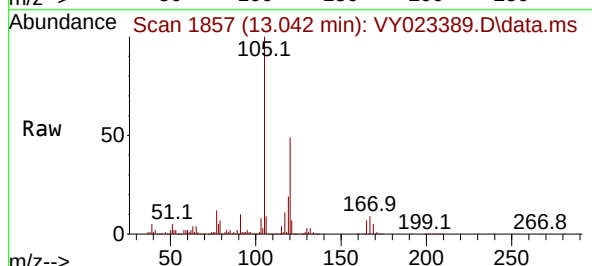
Manual Integrations  
APPROVED

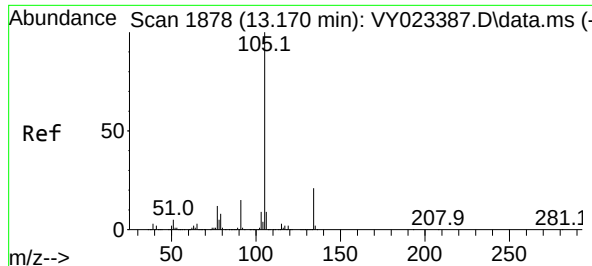
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#84  
1,2,4-Trimethylbenzene  
Concen: 162.527 ug/l  
RT: 13.042 min Scan# 1857  
Delta R.T. 0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

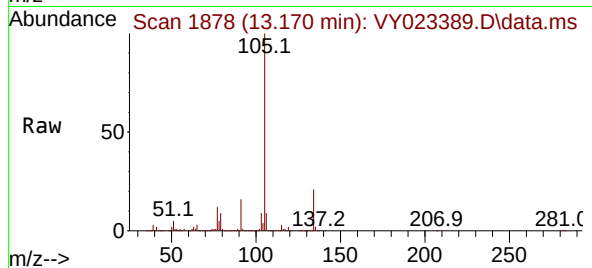
Tgt Ion:105 Resp: 3503639  
Ion Ratio Lower Upper  
105 100  
120 47.9 23.8 71.2





#85  
sec-Butylbenzene  
Concen: 158.609 ug/l  
RT: 13.170 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

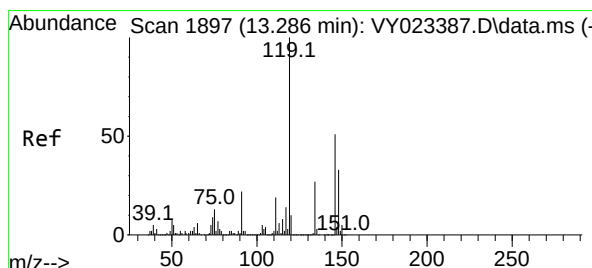
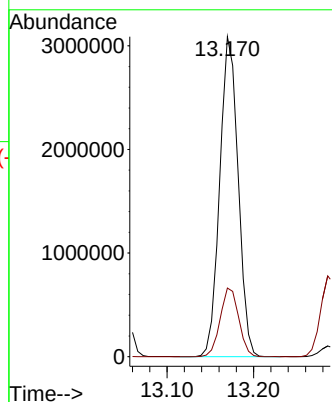
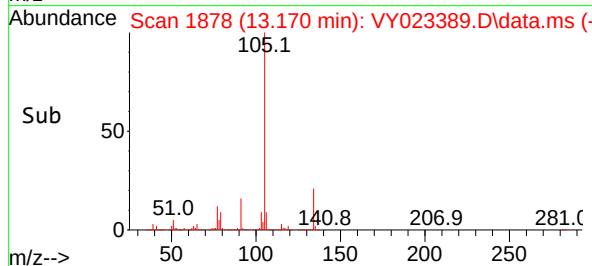
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150



Tgt Ion:105 Resp: 4560712  
Ion Ratio Lower Upper  
105 100  
134 21.6 10.7 32.1

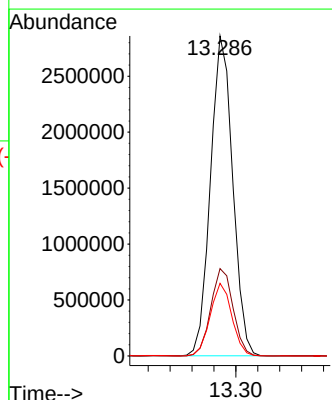
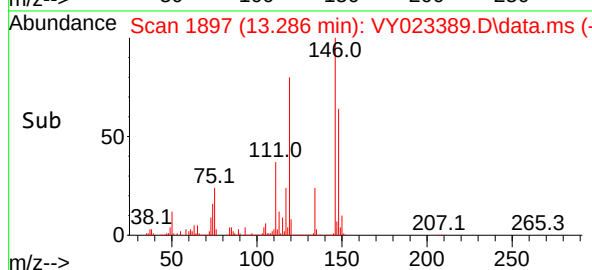
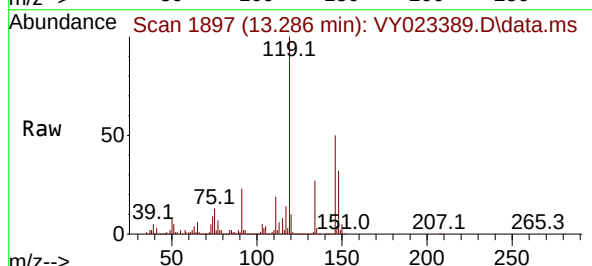
Manual Integrations  
APPROVED

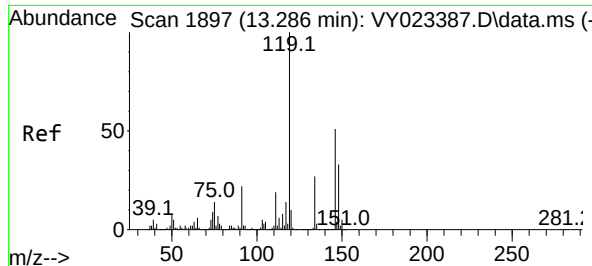
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#86  
p-Isopropyltoluene  
Concen: 165.622 ug/l  
RT: 13.286 min Scan# 1897  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Tgt Ion:119 Resp: 4024712  
Ion Ratio Lower Upper  
119 100  
134 27.4 13.6 40.7  
91 22.1 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 159.350 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tgt Ion:146 Resp: 2165278

Ion Ratio Lower Upper

146 100

111 37.4 18.7 56.1

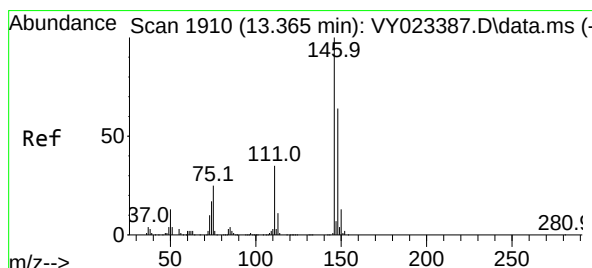
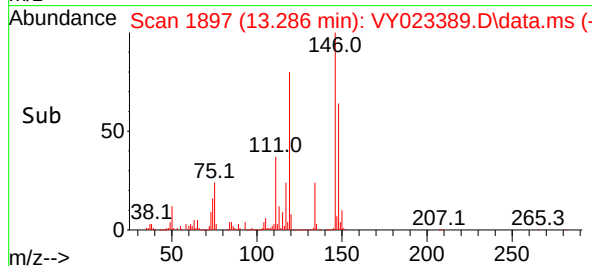
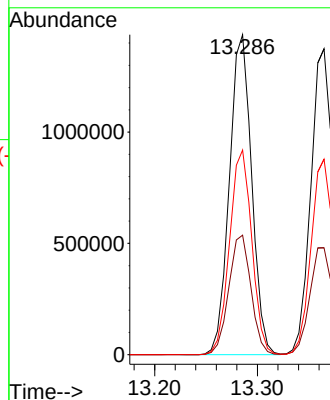
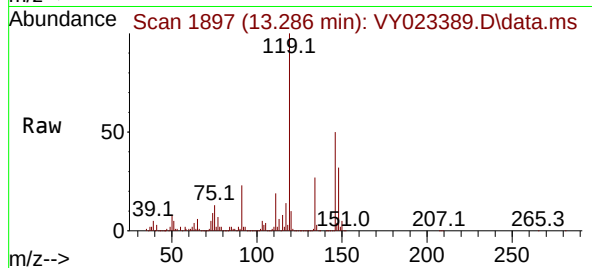
148 64.0 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#88

1,4-Dichlorobenzene

Concen: 155.104 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

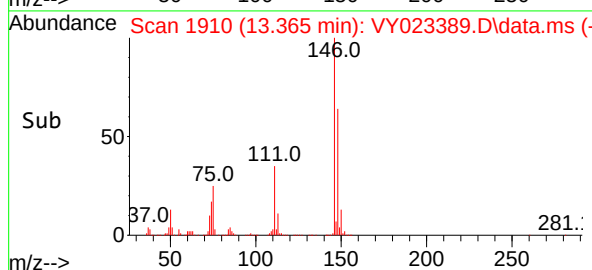
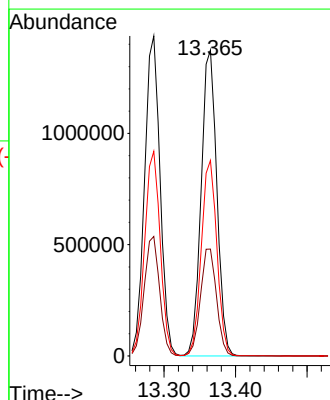
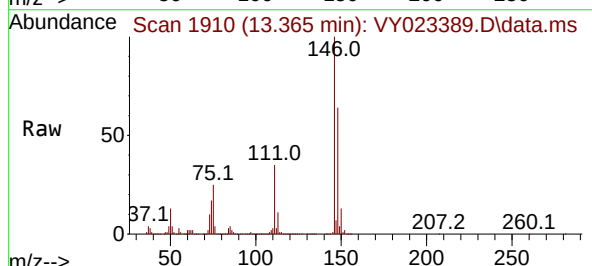
Tgt Ion:146 Resp: 2090133

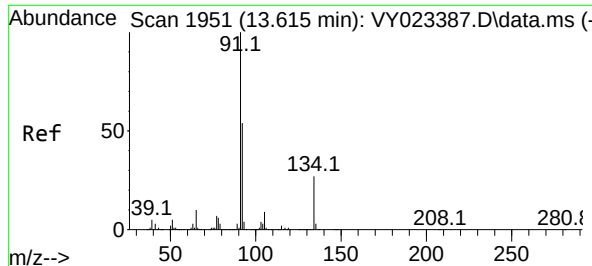
Ion Ratio Lower Upper

146 100

111 35.8 18.0 54.0

148 63.6 31.9 95.7





#89

n-Butylbenzene

Concen: 163.379 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 350571

Ion Ratio Lower Upper

91 100

92 54.6 27.0 80.8

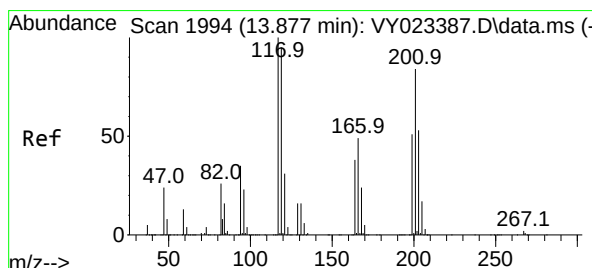
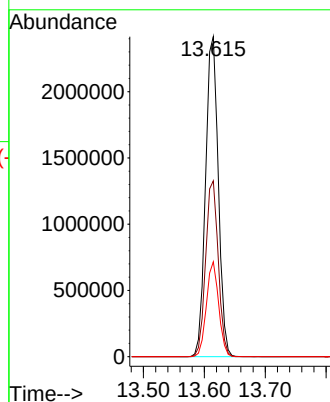
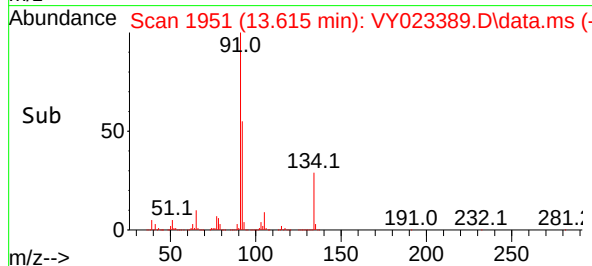
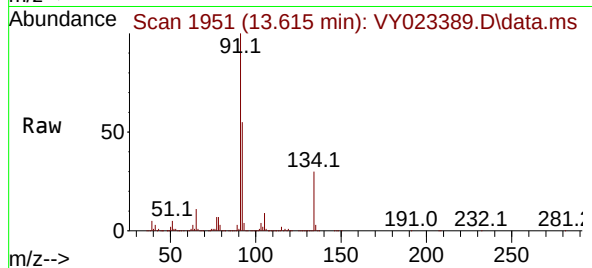
134 28.6 14.1 42.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#90

Hexachloroethane

Concen: 151.487 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023389.D

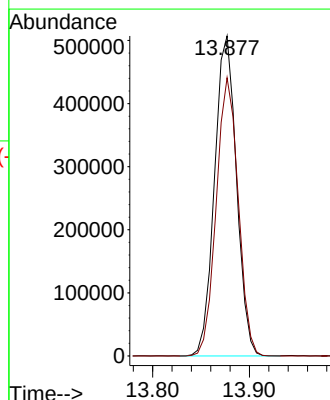
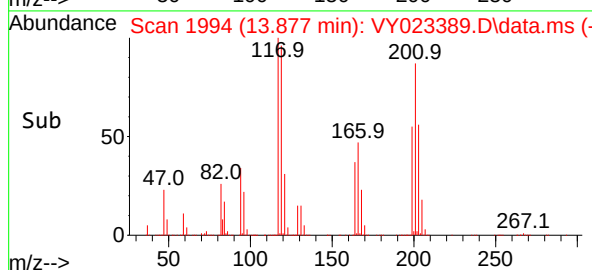
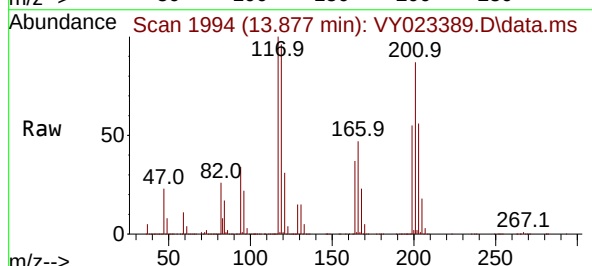
Acq: 07 Oct 2025 12:32

Tgt Ion:117 Resp: 799264

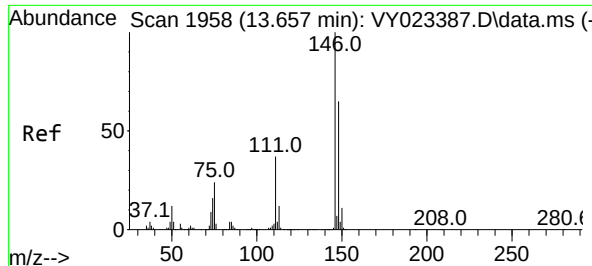
Ion Ratio Lower Upper

117 100

201 86.8 43.8 131.4

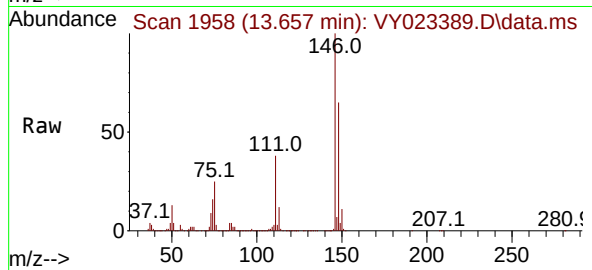






#91  
1,2-Dichlorobenzene  
Concen: 157.101 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. -0.000 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

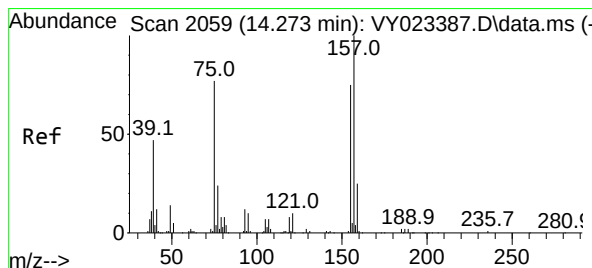
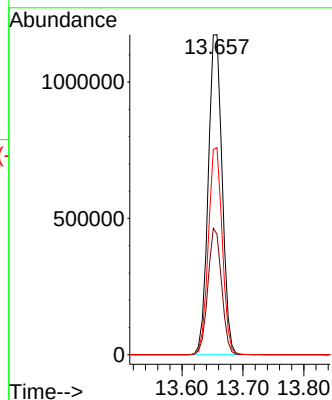
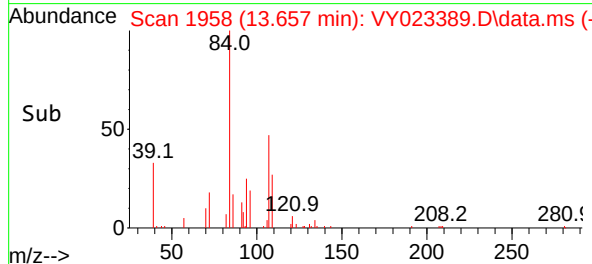
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150



Tgt Ion:146 Resp: 186269  
Ion Ratio Lower Upper  
146 100  
111 38.7 19.0 57.0  
148 64.5 32.1 96.3

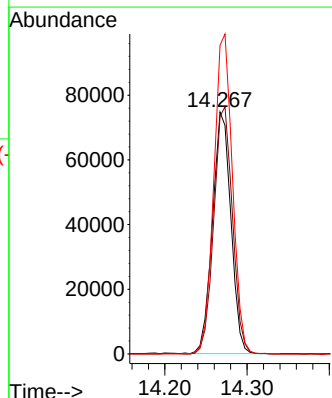
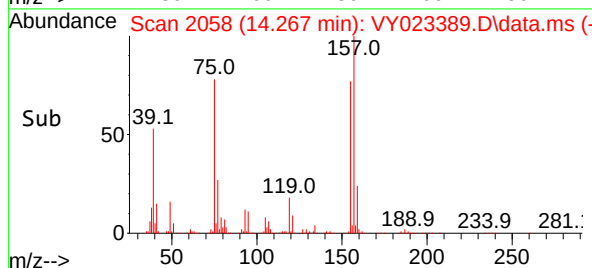
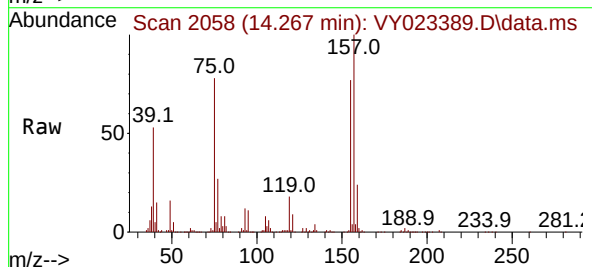
Manual Integrations  
APPROVED

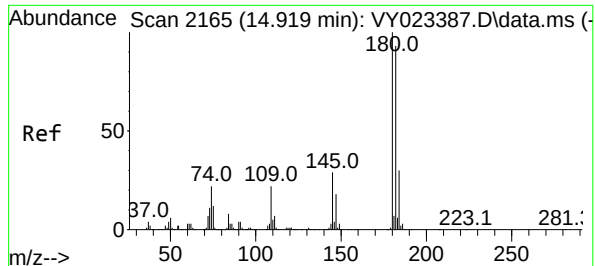
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 164.099 ug/l  
RT: 14.267 min Scan# 2058  
Delta R.T. -0.006 min  
Lab File: VY023389.D  
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 116273  
Ion Ratio Lower Upper  
75 100  
155 103.6 50.0 150.0  
157 133.4 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 182.183 ug/l

RT: 14.913 min Scan# 2165

Delta R.T. -0.006 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 127262

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.6

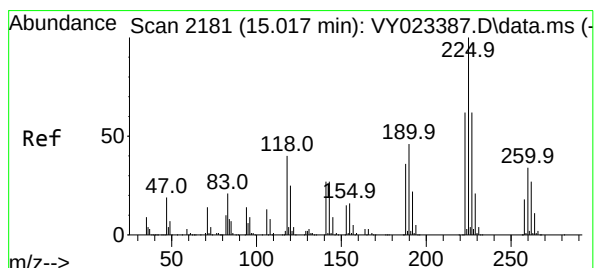
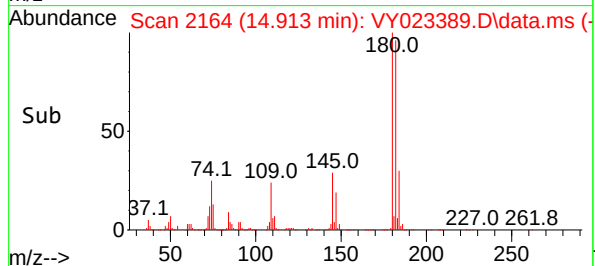
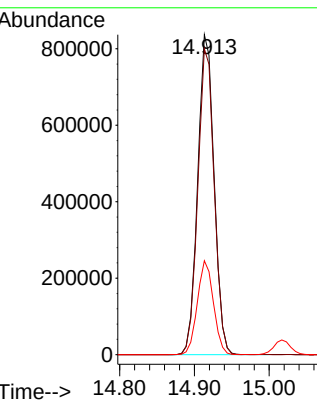
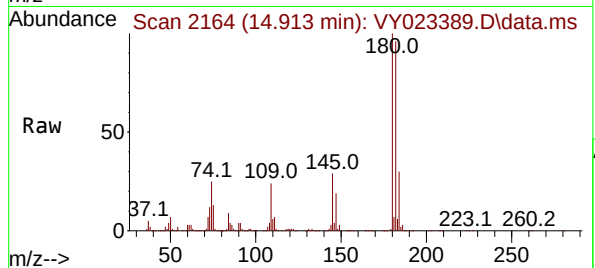
145 28.9 14.7 44.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#94

Hexachlorobutadiene

Concen: 163.518 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

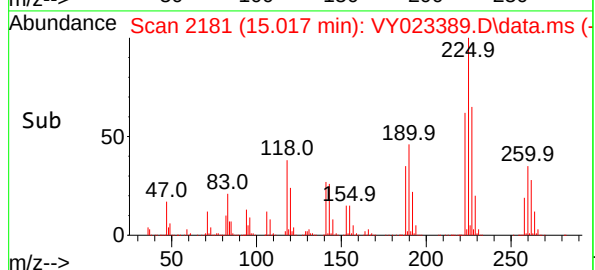
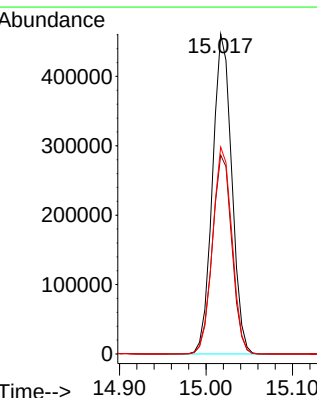
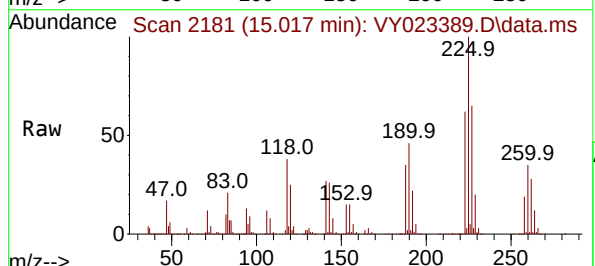
Tgt Ion:225 Resp: 711748

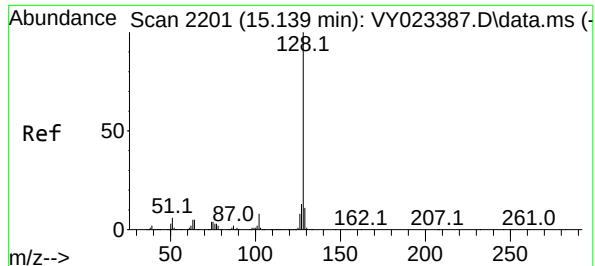
Ion Ratio Lower Upper

225 100

223 62.9 30.8 92.3

227 65.0 31.9 95.7





#95

Naphthalene

Concen: 204.639 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 2277549

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

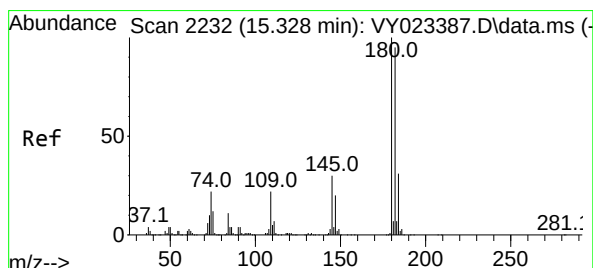
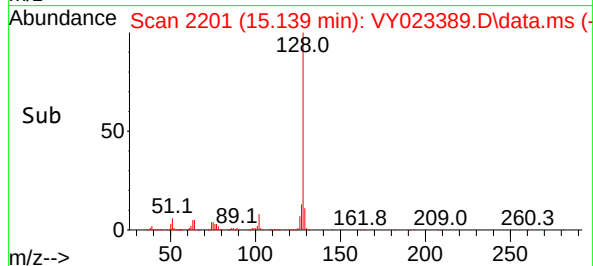
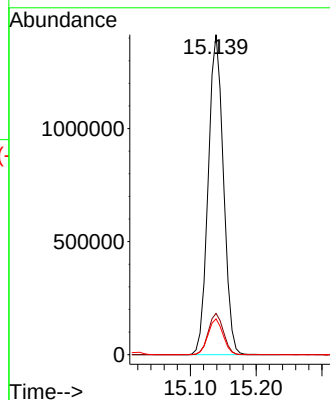
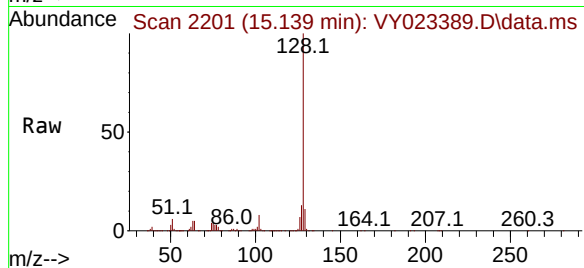
129 11.1 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#96

1,2,3-Trichlorobenzene

Concen: 183.206 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. -0.006 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

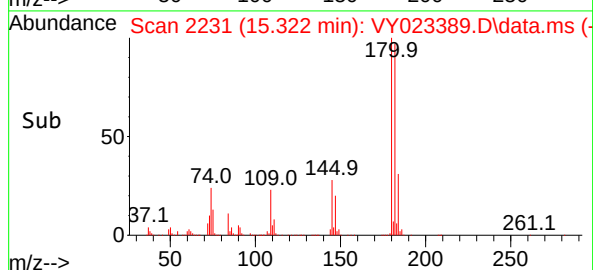
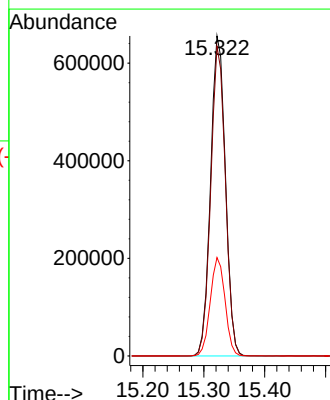
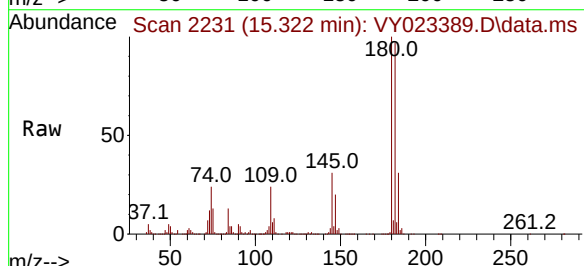
Tgt Ion:180 Resp: 1110193

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.8

145 30.5 15.3 45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023391.D  
 Acq On : 07 Oct 2025 14:12  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICVVY100725

Quant Time: Oct 08 05:15:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025  
 Supervised By : Mahesh Dadoda 10/10/2025

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 574332   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 861639   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 771372   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 405636   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 8.061  | 65    | 237493   | 49.450   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 50 - 163 | Recovery | =    | 98.900% |
| 35) Dibromofluoromethane  | 7.634  | 113   | 260038   | 49.116   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 54 - 147 | Recovery | =    | 98.240% |
| 50) Toluene-d8            | 10.103 | 98    | 970614   | 49.228   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 58 - 134 | Recovery | =    | 98.460% |
| 62) 4-Bromofluorobenzene  | 12.402 | 95    | 324700   | 49.881   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 30 - 143 | Recovery | =    | 99.760% |

### Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 185683  | 44.916  | ug/l | 99     |
| 3) Chloromethane             | 2.068 | 50  | 295766  | 52.519  | ug/l | 98     |
| 4) Vinyl Chloride            | 2.208 | 62  | 362714  | 49.449  | ug/l | 100    |
| 5) Bromomethane              | 2.598 | 94  | 300735  | 48.856  | ug/l | 98     |
| 6) Chloroethane              | 2.739 | 64  | 256831  | 51.367  | ug/l | 99     |
| 7) Trichlorofluoromethane    | 3.056 | 101 | 494789  | 48.582  | ug/l | 99     |
| 8) Diethyl Ether             | 3.458 | 74  | 135857  | 51.050  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 257524  | 48.728  | ug/l | 100    |
| 10) Methyl Iodide            | 4.007 | 142 | 305209  | 51.875  | ug/l | 98     |
| 11) Tert butyl alcohol       | 4.860 | 59  | 82562   | 231.079 | ug/l | 100    |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 254382  | 49.653  | ug/l | 97     |
| 13) Acrolein                 | 3.653 | 56  | 124288  | 246.184 | ug/l | 99     |
| 14) Allyl chloride           | 4.385 | 41  | 316213  | 50.645  | ug/l | 99     |
| 15) Acrylonitrile            | 5.055 | 53  | 256219  | 251.575 | ug/l | 99     |
| 16) Acetone                  | 3.866 | 43  | 243433  | 212.910 | ug/l | 98     |
| 17) Carbon Disulfide         | 4.104 | 76  | 733457  | 50.021  | ug/l | 100    |
| 18) Methyl Acetate           | 4.385 | 43  | 151281  | 50.439  | ug/l | 100    |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 643111  | 52.230  | ug/l | 97     |
| 20) Methylene Chloride       | 4.616 | 84  | 324604  | 52.503  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene | 5.116 | 96  | 290384  | 51.482  | ug/l | 98     |
| 22) Diisopropyl ether        | 6.019 | 45  | 709381  | 51.364  | ug/l | 99     |
| 23) Vinyl Acetate            | 5.958 | 43  | 1950969 | 260.981 | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 5.915 | 63  | 464207  | 50.742  | ug/l | 98     |
| 25) 2-Butanone               | 6.890 | 43  | 325351  | 233.083 | ug/l | 99     |
| 26) 2,2-Dichloropropane      | 6.884 | 77  | 416585  | 49.626  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 341964  | 52.485  | ug/l | 97     |
| 28) Bromochloromethane       | 7.244 | 49  | 155146  | 45.427  | ug/l | 100    |
| 29) Tetrahydrofuran          | 7.262 | 42  | 200513  | 253.317 | ug/l | 99     |
| 30) Chloroform               | 7.421 | 83  | 513997  | 51.137  | ug/l | 98     |
| 31) Cyclohexane              | 7.701 | 56  | 378819  | 47.416  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 456112  | 49.934  | ug/l | 100    |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 348786  | 49.761  | ug/l | 99     |
| 37) Ethyl Acetate            | 6.982 | 43  | 138119  | 49.740  | ug/l | 98     |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 413653  | 48.671  | ug/l | 99     |
| 39) Methylcyclohexane        | 9.109 | 83  | 456031  | 49.970  | ug/l | 99     |
| 40) Benzene                  | 8.079 | 78  | 1107790 | 49.906  | ug/l | 97     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023391.D  
 Acq On : 07 Oct 2025 14:12  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICVVY100725

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 05:15:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 72100    | 48.008   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 282332   | 49.318   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 279887   | 50.548   | ug/l   | 100      |
| 44) Trichloroethene           | 8.866  | 130  | 319131   | 49.120   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 246887   | 50.355   | ug/l   | 100      |
| 46) Dibromomethane            | 9.231  | 93   | 157758   | 50.885   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.420  | 83   | 393918   | 50.450   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.219  | 41   | 128606   | 49.440   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 37356    | 1039.252 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 724992   | 253.421  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 743055   | 51.556   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 347336   | 51.160   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 413860   | 51.649   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 210245   | 50.430   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 256731   | 53.385   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 337673   | 51.113   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 586266   | 272.133  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.762 | 43   | 501877   | 245.480  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.908 | 129  | 297946   | 50.974   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 201415   | 50.658   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.646 | 164  | 382998   | 48.087   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.438 | 112  | 828466   | 49.381   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 296157   | 49.537   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 1380691  | 50.841   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 1108386  | 101.757  | ug/l   | 100      |
| 69) o-Xylene                  | 11.950 | 106  | 526954   | 51.577   | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 875709   | 52.122   | ug/l   | 100      |
| 71) Bromoform                 | 12.133 | 173  | 185682   | 50.070   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.255 | 105  | 1345109  | 50.318   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.066 | 43   | 245291   | 51.087   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 217245   | 49.688   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 153438m  | 42.874   | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 352420   | 49.590   | ug/l   | 99       |
| 78) n-propylbenzene           | 12.591 | 91   | 1568180  | 50.694   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 906610   | 50.047   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 1106664  | 51.231   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 67959    | 46.566   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 941314   | 50.455   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.993 | 119  | 1037510  | 52.019   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 1110672  | 51.520   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 1454774  | 50.848   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 1263377  | 51.864   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 686854   | 49.632   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 671644   | 49.140   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.615 | 91   | 1100086  | 51.829   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 257335   | 49.116   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 602989   | 49.698   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 34928    | 48.687   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 386806   | 51.138   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 236040   | 50.061   | ug/l   | 99       |
| 95) Naphthalene               | 15.139 | 128  | 628190   | 52.154   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 335267   | 51.172   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023391.D  
Acq On : 07 Oct 2025 14:12  
Operator : SY/MD  
Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 05:15:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

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

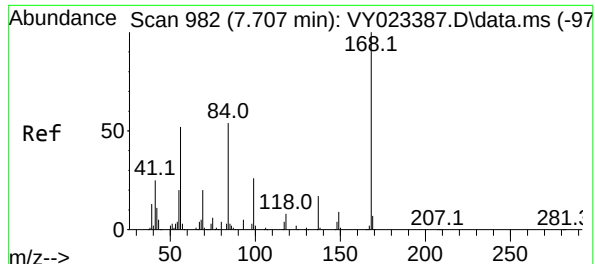
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
ICVVY100725

## Manual Integrations APPROVED

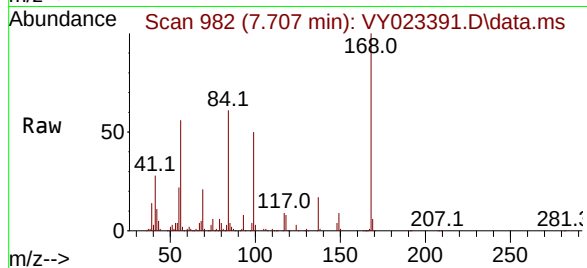
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

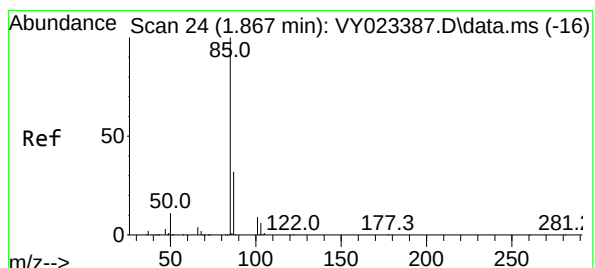
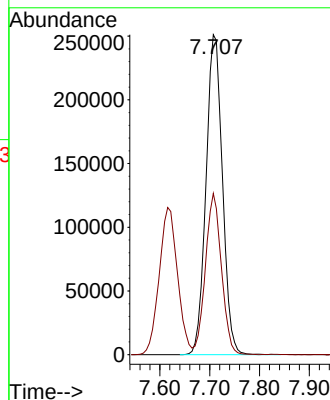
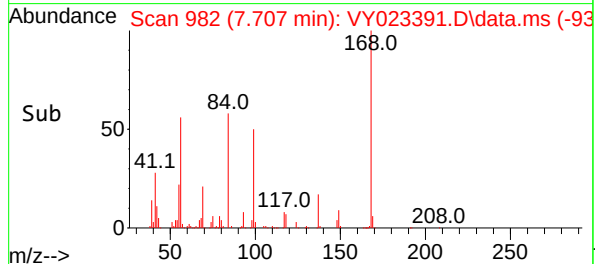
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725



Tgt Ion:168 Resp: 57433  
Ion Ratio Lower Upper  
168 100  
99 50.4 39.7 59.5

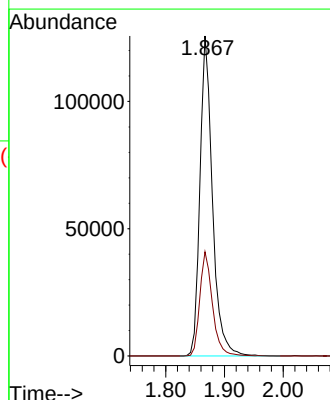
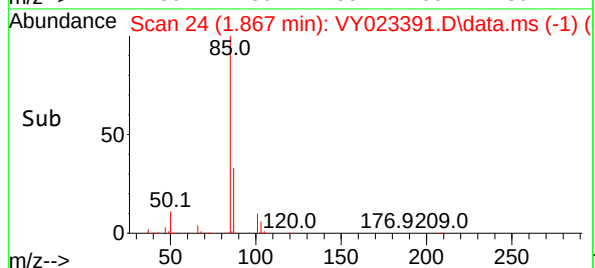
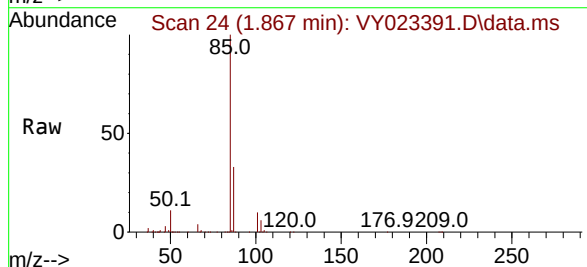
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

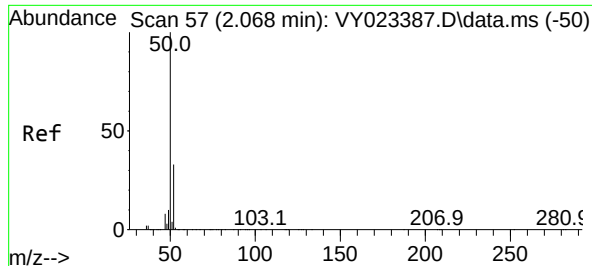


#2  
Dichlorodifluoromethane  
Concen: 44.916 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

Tgt Ion: 85 Resp: 185683  
Ion Ratio Lower Upper  
85 100  
87 32.6 16.0 47.9

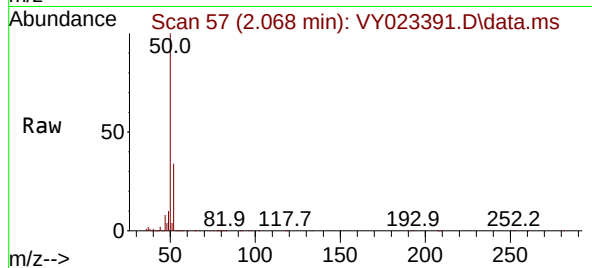






#3  
Chloromethane  
Concen: 52.519 ug/l  
RT: 2.068 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

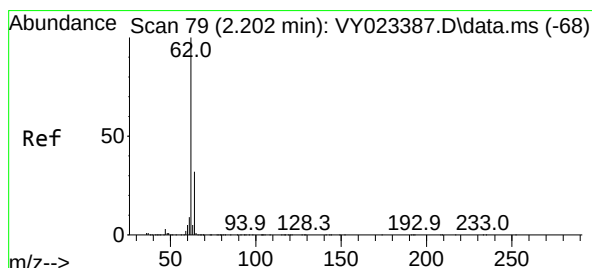
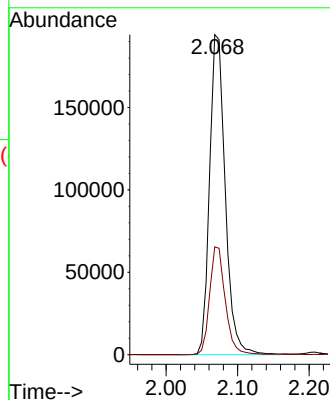
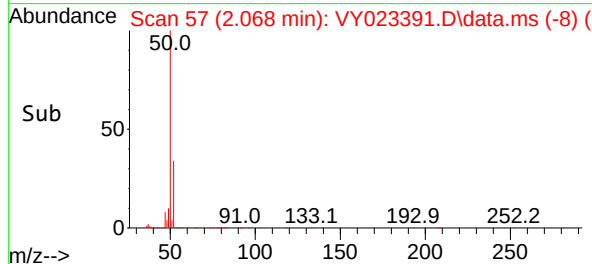
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725



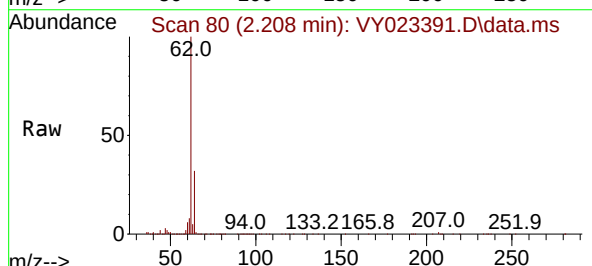
Tgt Ion: 50 Resp: 295760  
Ion Ratio Lower Upper  
50 100  
52 33.7 26.2 39.2

Manual Integrations  
APPROVED

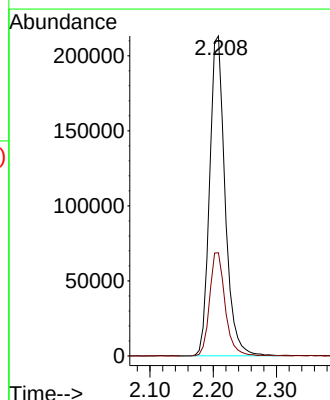
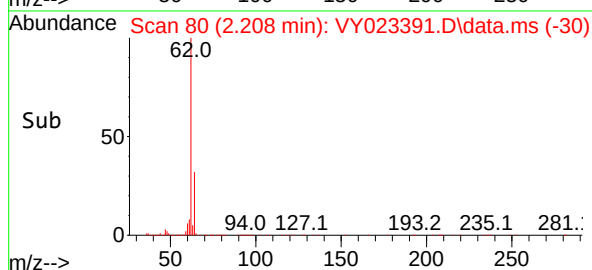
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

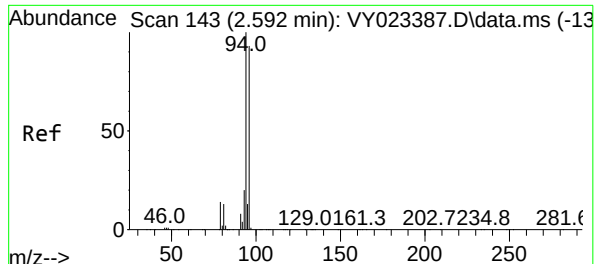


#4  
Vinyl Chloride  
Concen: 49.449 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12



Tgt Ion: 62 Resp: 362714  
Ion Ratio Lower Upper  
62 100  
64 32.3 25.8 38.8





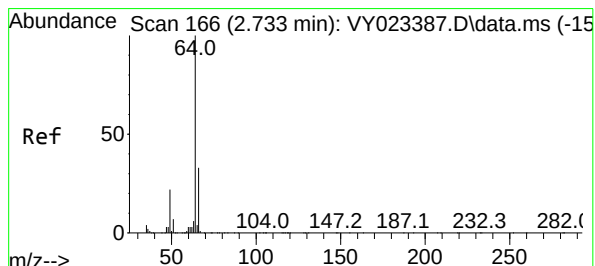
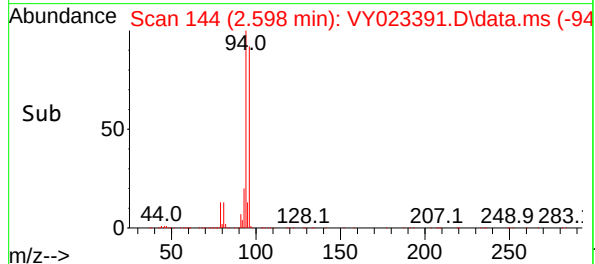
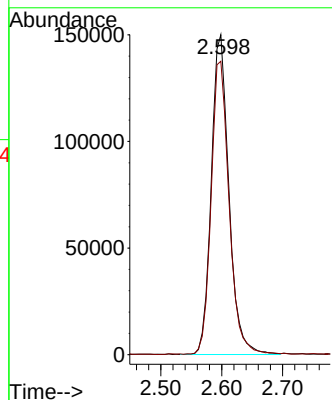
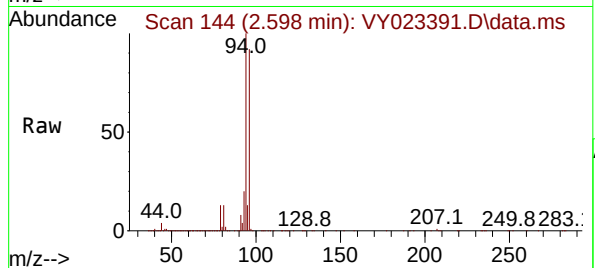
#5  
Bromomethane  
Concen: 48.856 ug/l  
RT: 2.598 min Scan# 143  
Delta R.T. 0.006 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725

Tgt Ion: 94 Resp: 300735  
Ion Ratio Lower Upper  
94 100  
96 91.5 74.5 111.7

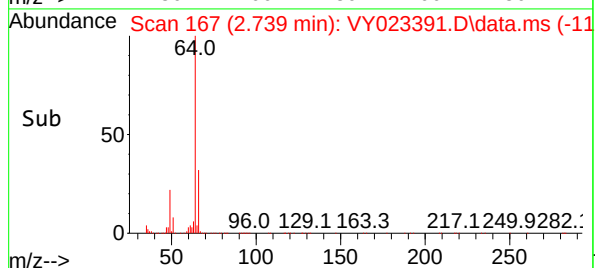
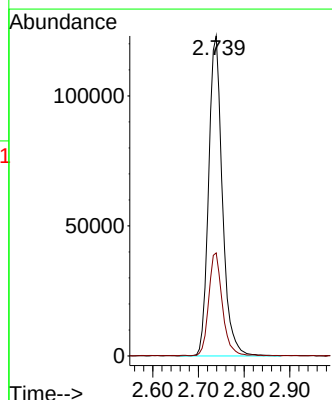
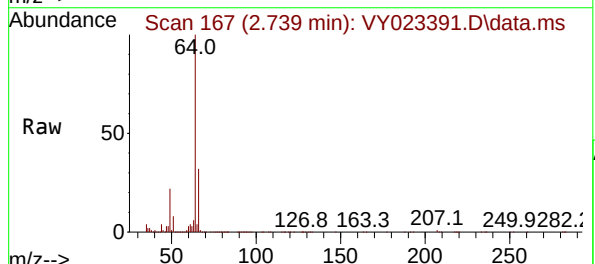
Manual Integrations  
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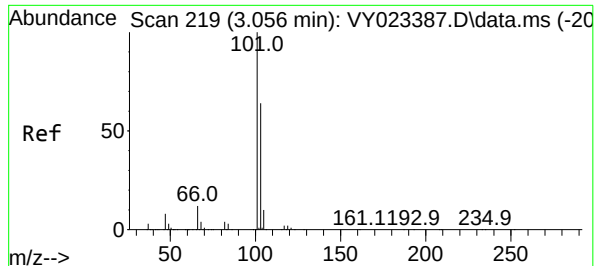
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#6  
Chloroethane  
Concen: 51.367 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. 0.006 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

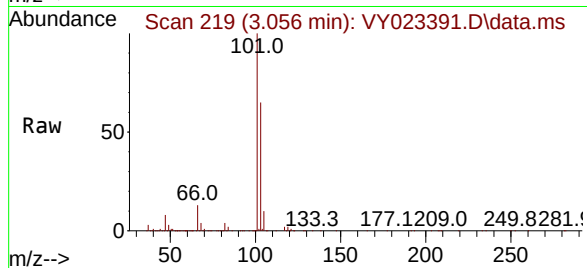
Tgt Ion: 64 Resp: 256831  
Ion Ratio Lower Upper  
64 100  
66 32.1 26.2 39.4





#7  
Trichlorofluoromethane  
Concen: 48.582 ug/l  
RT: 3.056 min Scan# 219  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

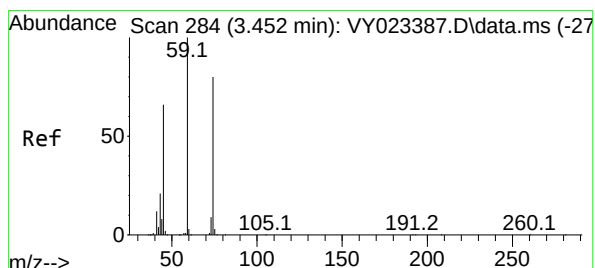
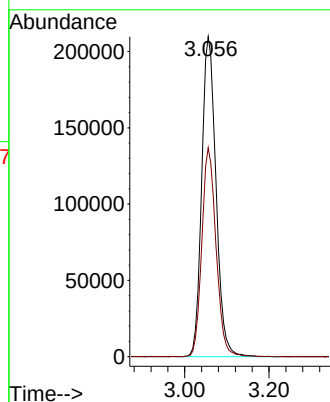
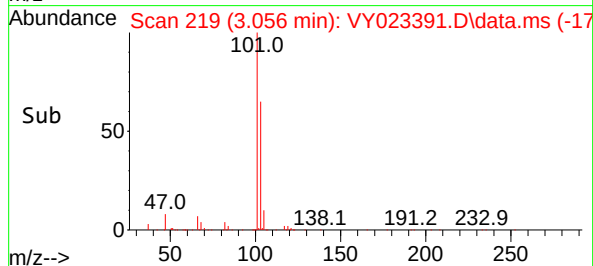
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725



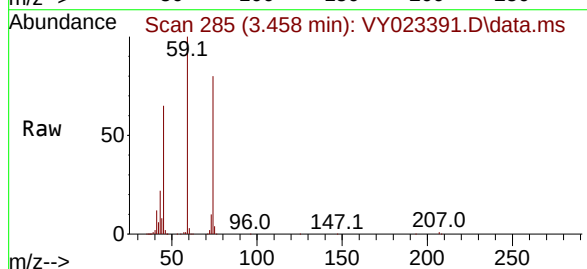
Tgt Ion:101 Resp: 494789  
Ion Ratio Lower Upper  
101 100  
103 65.3 51.3 76.9

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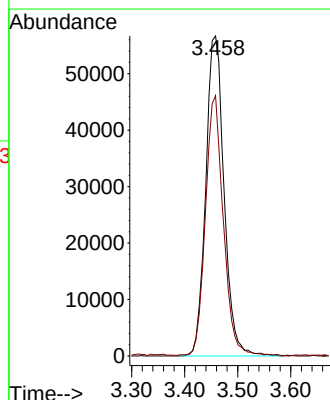
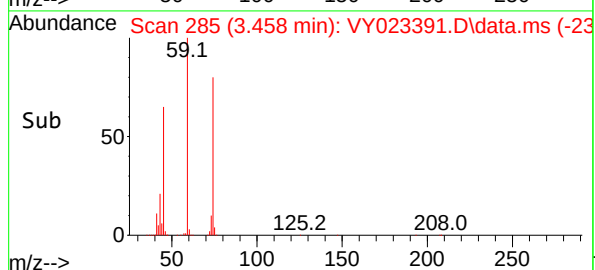
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

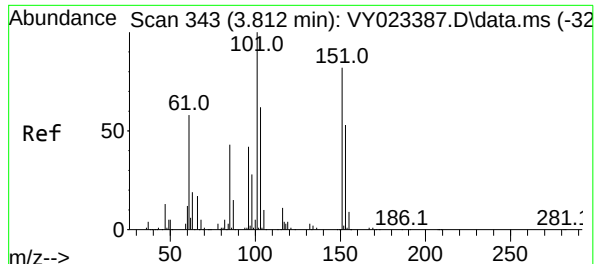


#8  
Diethyl Ether  
Concen: 51.050 ug/l  
RT: 3.458 min Scan# 285  
Delta R.T. 0.006 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12



Tgt Ion: 74 Resp: 135857  
Ion Ratio Lower Upper  
74 100  
45 80.1 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.728 ug/l

RT: 3.812 min Scan# 343

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

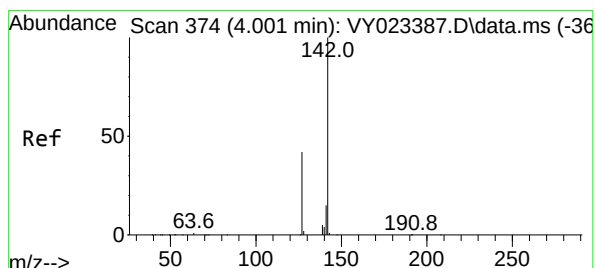
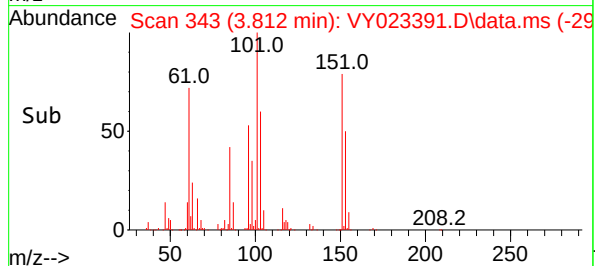
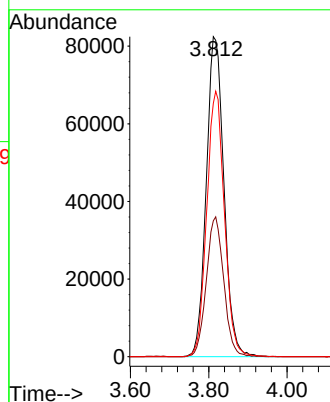
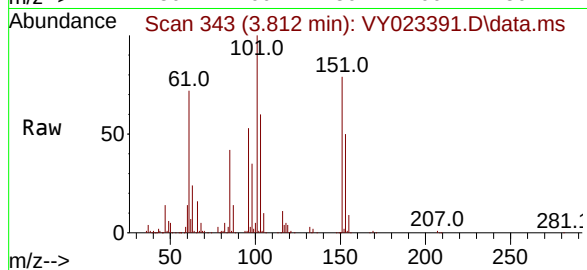
ICVY100725

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 101   | Resp: | 257524 |
| Ion      | Ratio | Lower | Upper  |
| 101      | 100   |       |        |
| 85       | 43.2  | 34.6  | 51.8   |
| 151      | 83.2  | 67.0  | 100.6  |

## Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#10

Methyl Iodide

Concen: 51.875 ug/l

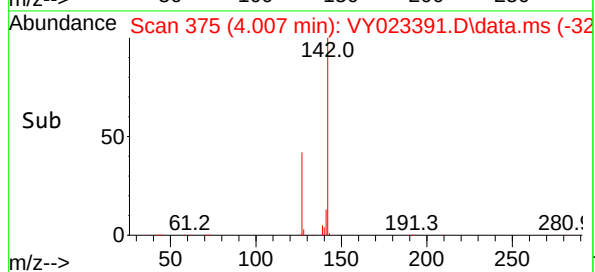
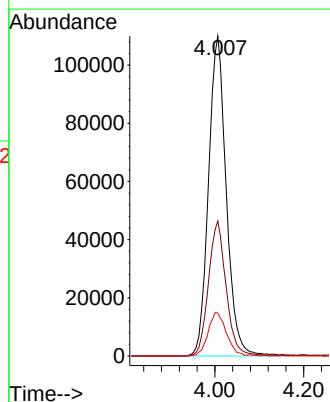
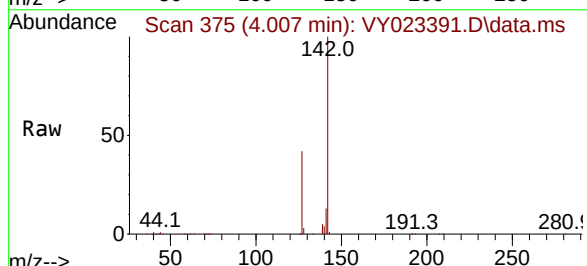
RT: 4.007 min Scan# 375

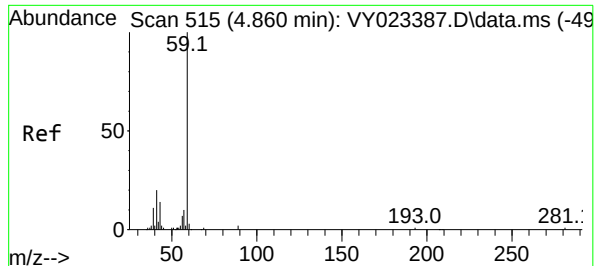
Delta R.T. 0.006 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 305209 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 127      | 41.8  | 34.8  | 52.2   |
| 141      | 14.1  | 11.6  | 17.4   |





#11

Tert butyl alcohol

Concen: 231.079 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 59 Resp: 82562

Ion Ratio Lower Upper

59 100

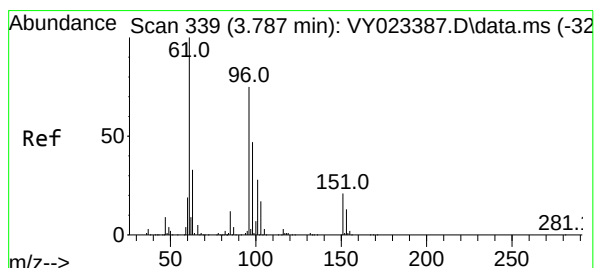
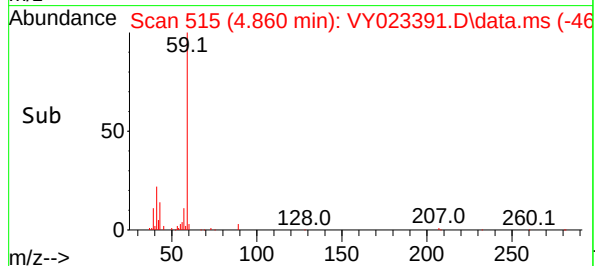
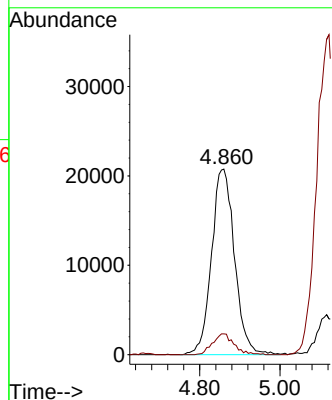
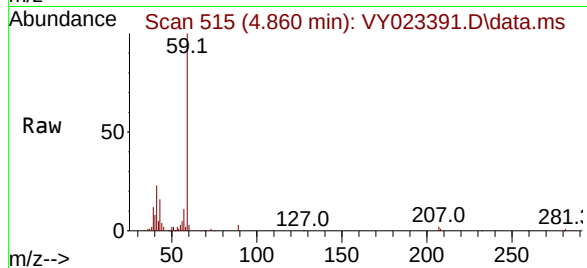
57 10.5 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 49.653 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

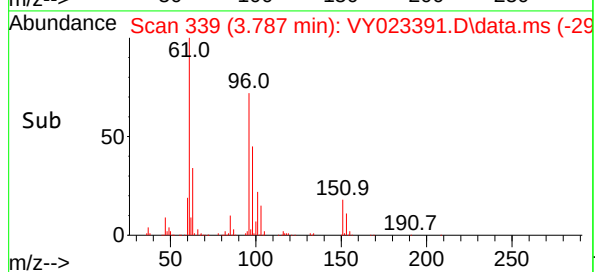
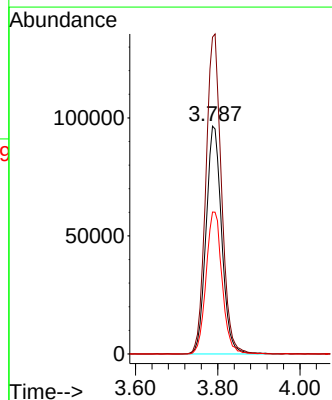
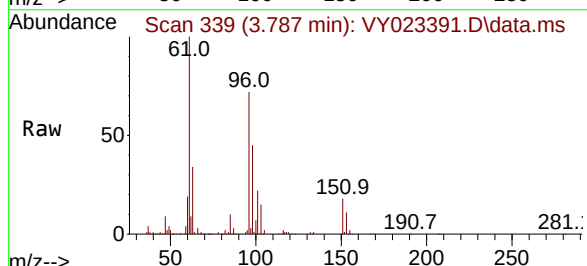
Tgt Ion: 96 Resp: 254382

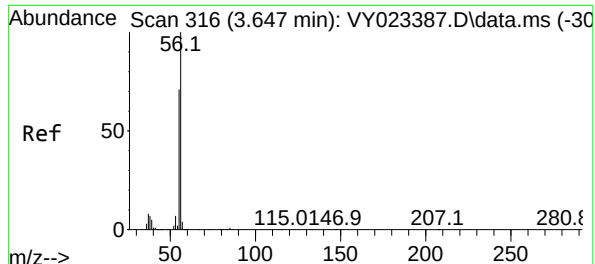
Ion Ratio Lower Upper

96 100

61 139.1 106.7 160.1

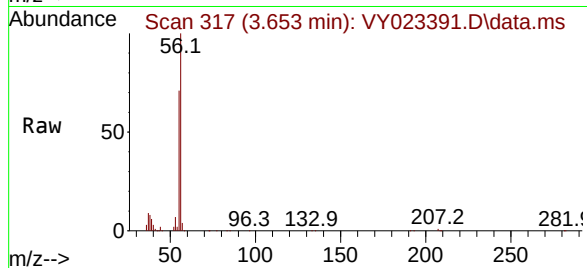
98 62.3 50.2 75.4





#13  
Acrolein  
Concen: 246.184 ug/l  
RT: 3.653 min Scan# 316  
Delta R.T. 0.006 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

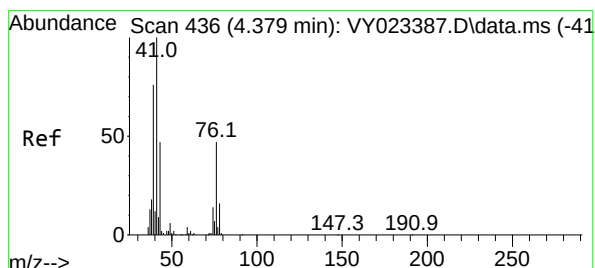
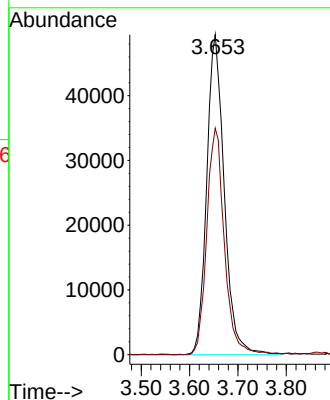
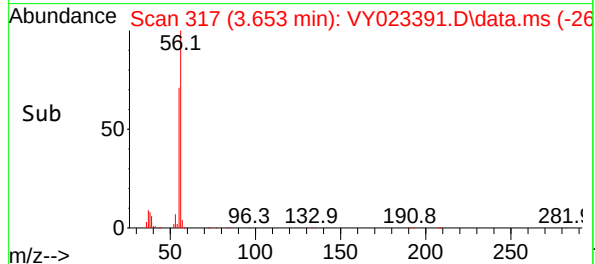
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVY100725



Tgt Ion: 56 Resp: 124288  
Ion Ratio Lower Upper  
56 100  
55 71.1 56.1 84.1

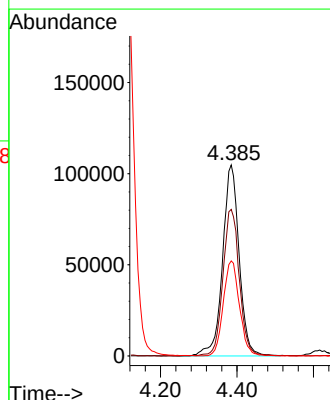
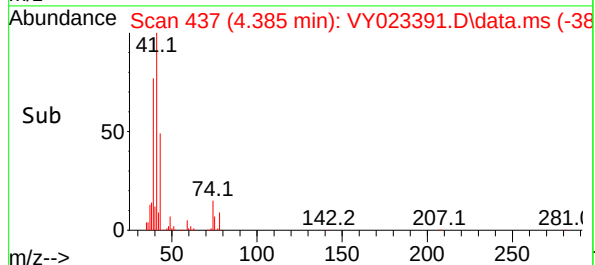
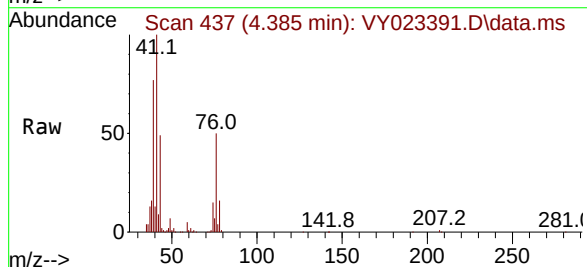
Manual Integrations  
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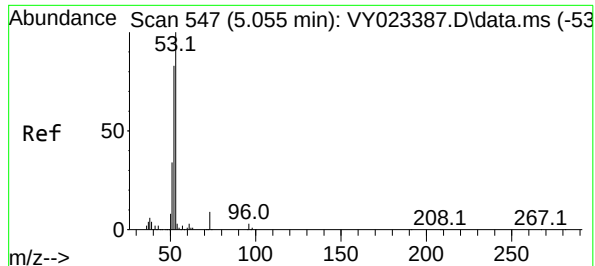
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#14  
Allyl chloride  
Concen: 50.645 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. 0.006 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

Tgt Ion: 41 Resp: 316213  
Ion Ratio Lower Upper  
41 100  
39 76.2 59.9 89.9  
76 48.1 38.0 57.0





#15

Acrylonitrile

Concen: 251.575 ug/l

RT: 5.055 min Scan# 547

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVY100725

Tgt Ion: 53 Resp: 256219

Ion Ratio Lower Upper

53 100

52 81.7 64.6 97.0

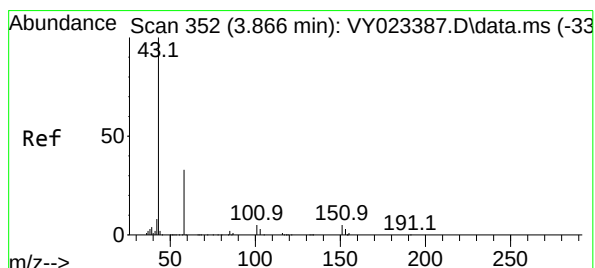
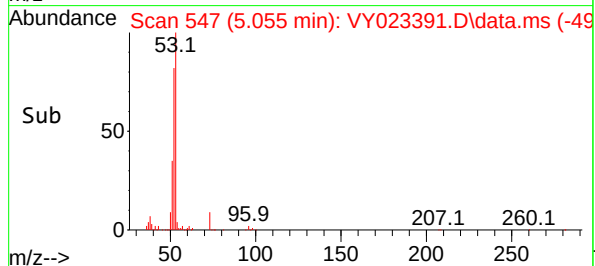
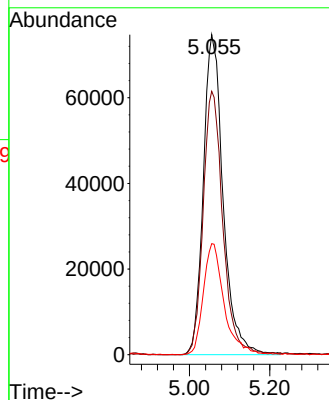
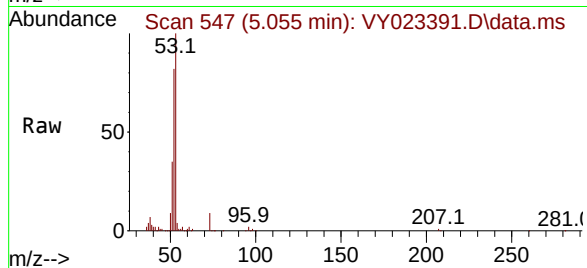
51 36.4 29.5 44.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#16

Acetone

Concen: 212.910 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.000 min

Lab File: VY023391.D

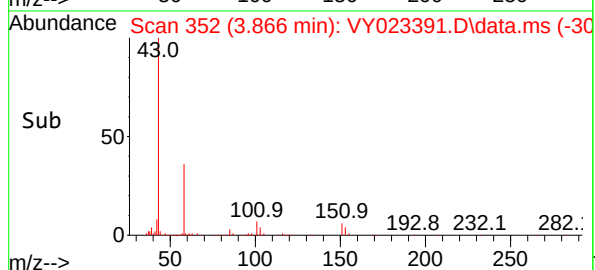
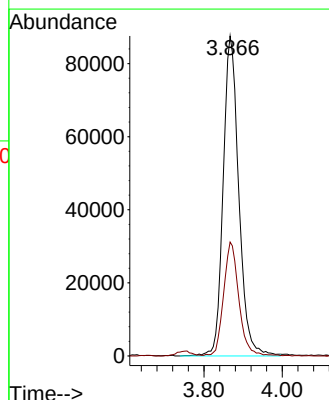
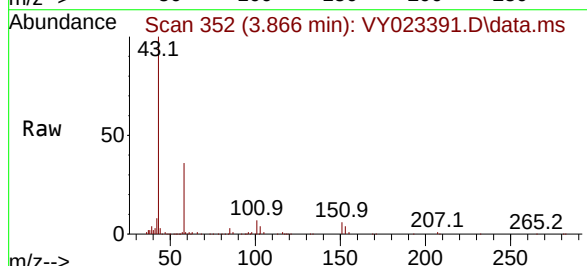
Acq: 07 Oct 2025 14:12

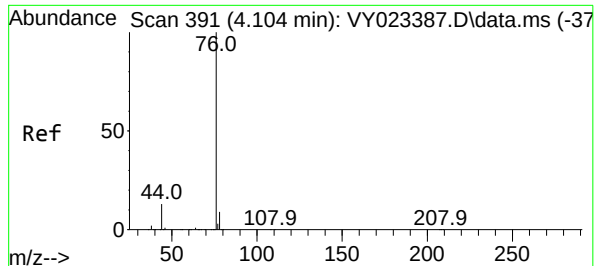
Tgt Ion: 43 Resp: 243433

Ion Ratio Lower Upper

43 100

58 35.5 27.7 41.5





#17

Carbon Disulfide

Concen: 50.021 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Tgt Ion: 76 Resp: 73345

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

Instrument :

MSVOA\_Y

ClientSampleId :

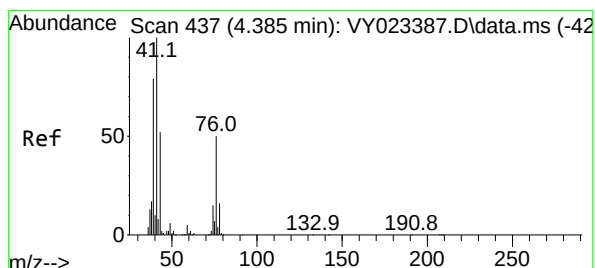
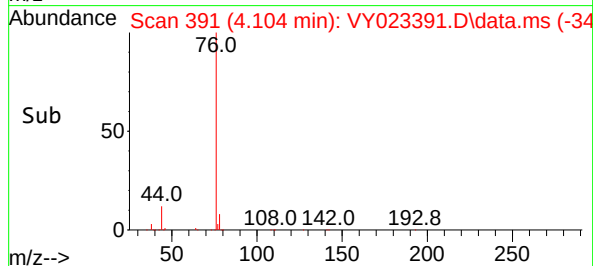
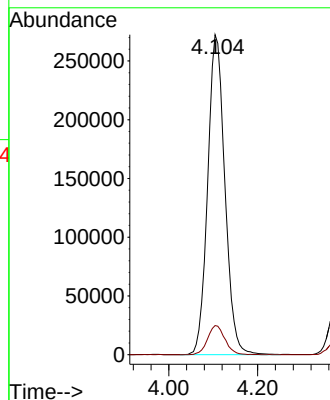
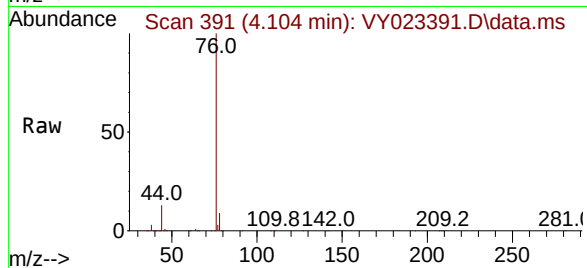
ICVVY100725

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#18

Methyl Acetate

Concen: 50.439 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY023391.D

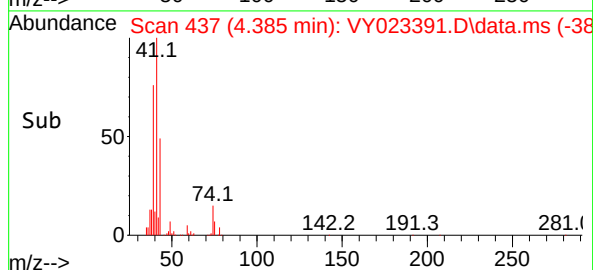
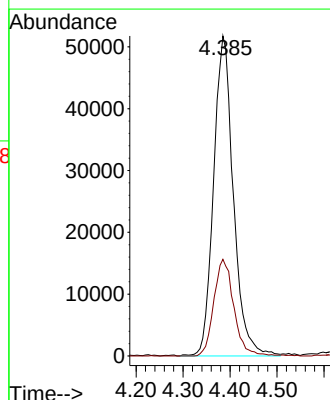
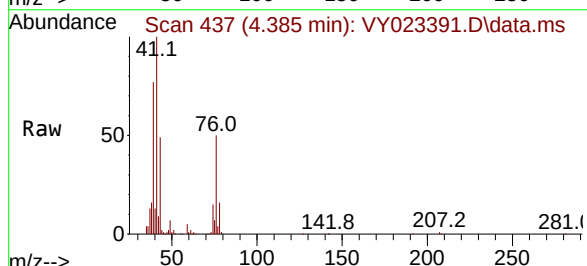
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 151281

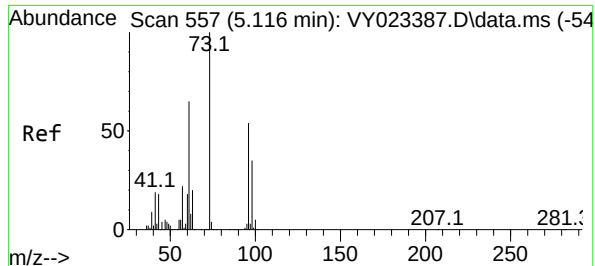
Ion Ratio Lower Upper

43 100

74 30.5 24.2 36.4







#19

Methyl tert-butyl Ether

Concen: 52.230 ug/l

RT: 5.116 min Scan# 5

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVY100725

Tgt Ion: 73 Resp: 64311

Ion Ratio Lower Upper

73 100

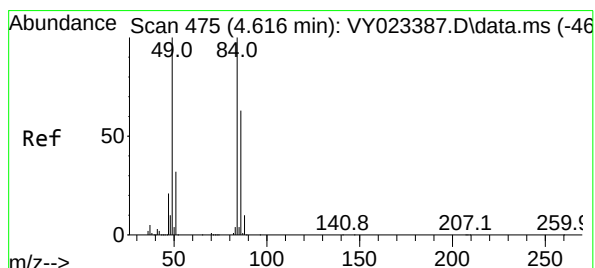
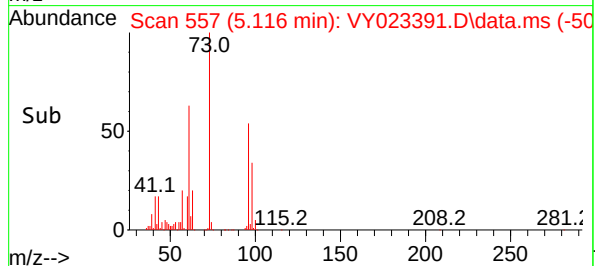
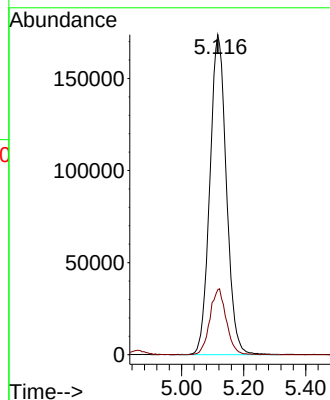
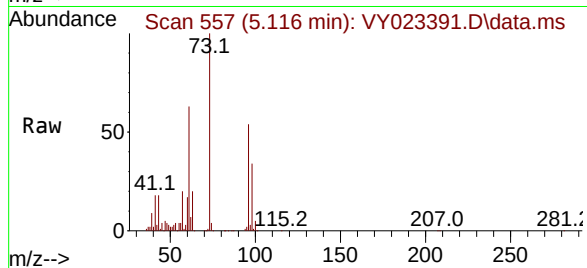
57 20.3 17.4 26.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 52.503 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Tgt Ion: 84 Resp: 324604

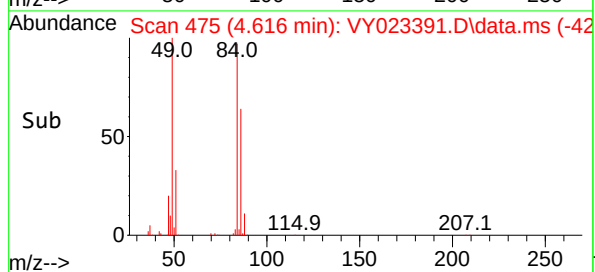
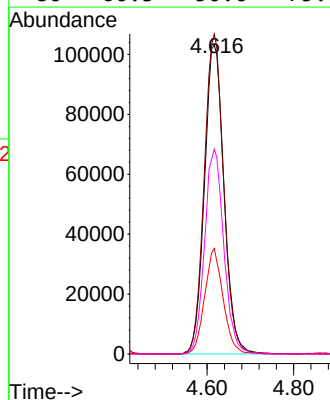
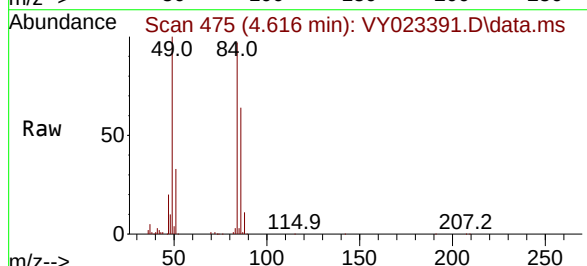
Ion Ratio Lower Upper

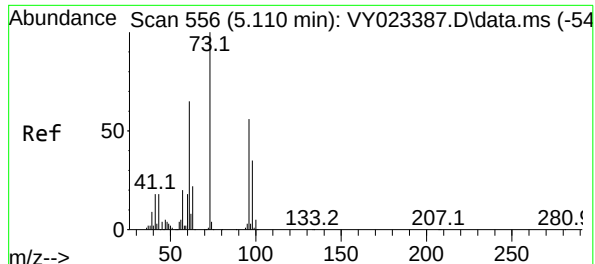
84 100

49 103.5 80.2 120.4

51 34.1 25.9 38.9

86 66.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 51.482 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

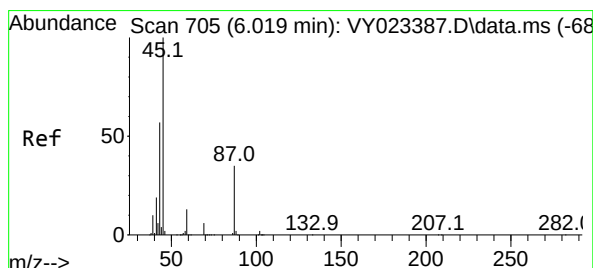
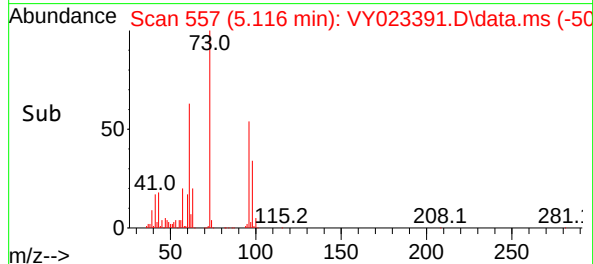
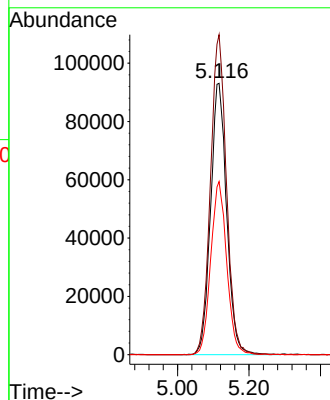
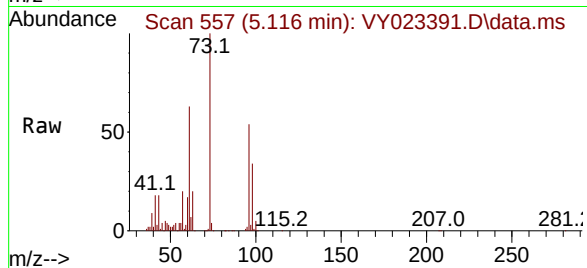
ICVVY100725

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 290384 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 117.9 | 92.7  | 139.1  |
| 98       | 63.8  | 49.7  | 74.5   |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#22

Diisopropyl ether

Concen: 51.364 ug/l

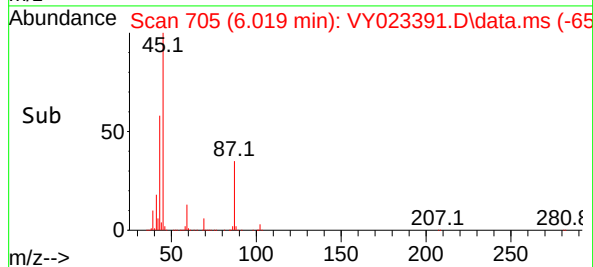
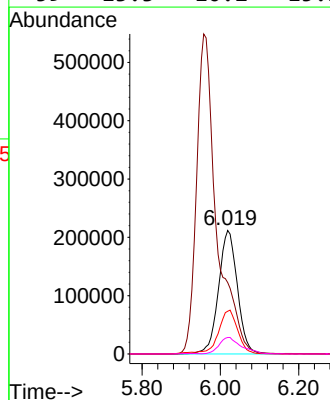
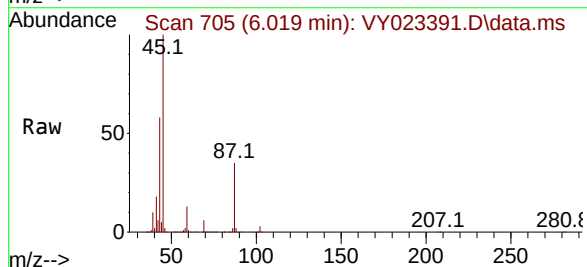
RT: 6.019 min Scan# 705

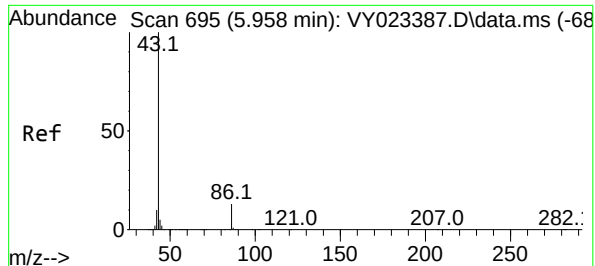
Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 709381 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 57.4  | 45.6  | 68.4   |
| 87       | 34.6  | 28.1  | 42.1   |
| 59       | 13.3  | 10.2  | 15.2   |





#23

Vinyl Acetate

Concen: 260.981 ug/l

RT: 5.958 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 43 Resp: 195096

Ion Ratio Lower Upper

43

100

86

13.7

10.6

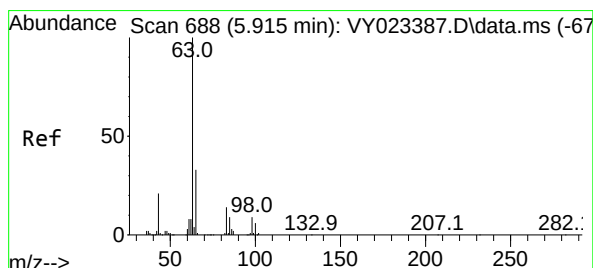
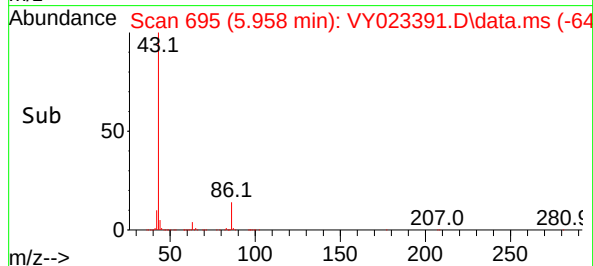
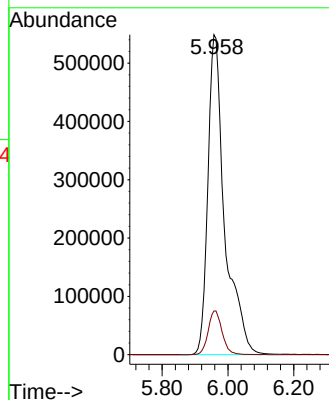
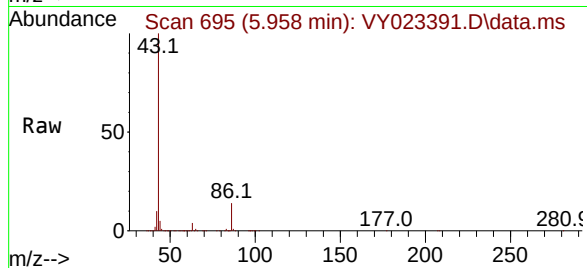
15.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 50.742 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Tgt Ion: 63 Resp: 464207

Ion Ratio Lower Upper

63

100

98

8.1

4.3

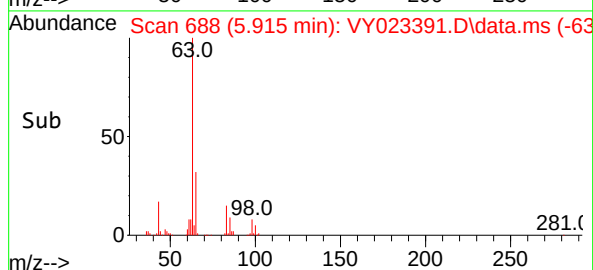
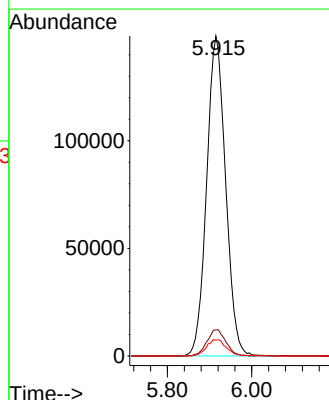
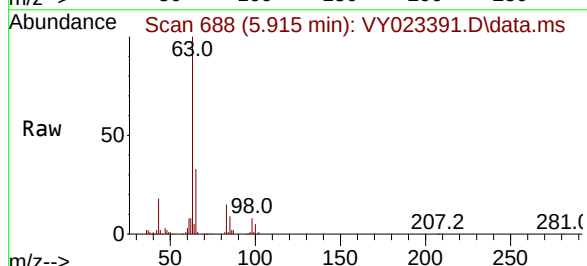
13.1

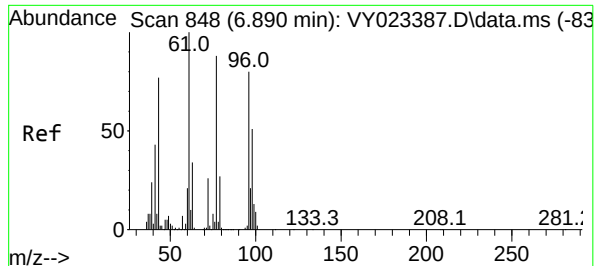
100

5.0

2.8

8.4





#25

2-Butanone

Concen: 233.083 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVY100725

Tgt Ion: 43 Resp: 32535

Ion Ratio Lower Upper

43 100

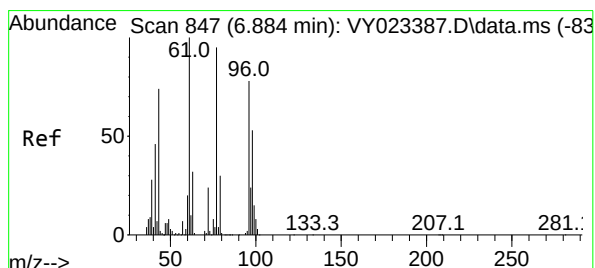
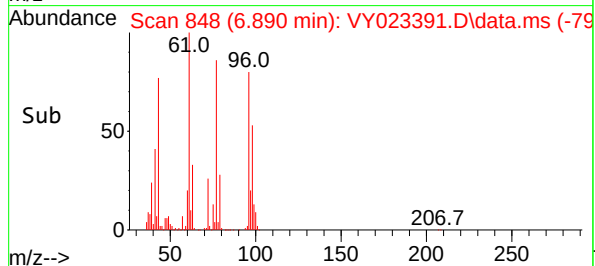
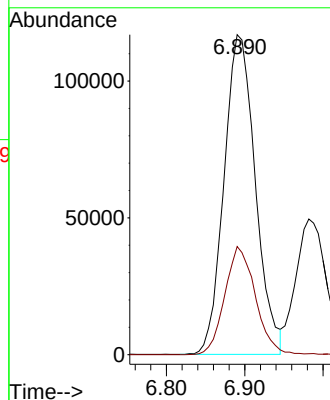
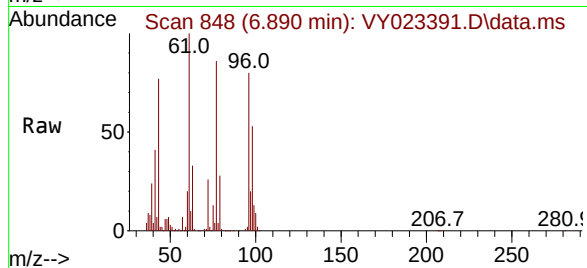
72 33.8 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 49.626 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023391.D

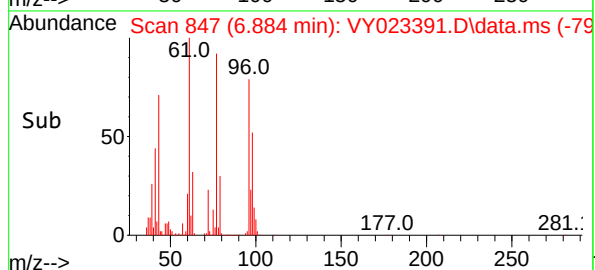
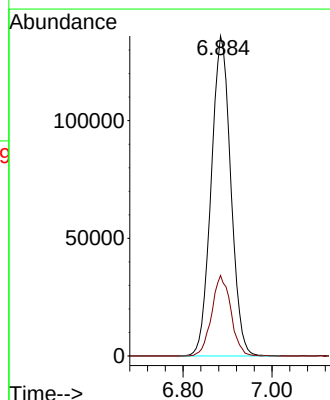
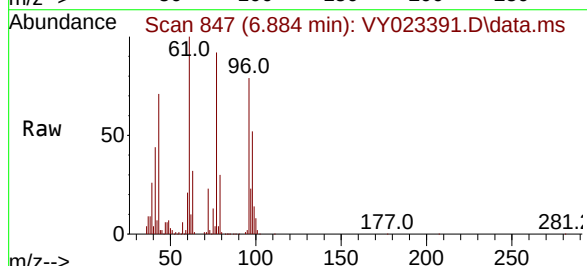
Acq: 07 Oct 2025 14:12

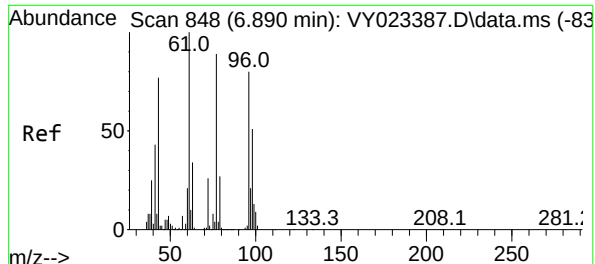
Tgt Ion: 77 Resp: 416585

Ion Ratio Lower Upper

77 100

97 24.6 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 52.485 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVY100725

Tgt Ion: 96 Resp: 341964

Ion Ratio Lower Upper

96 100

61 125.5 0.0 258.2

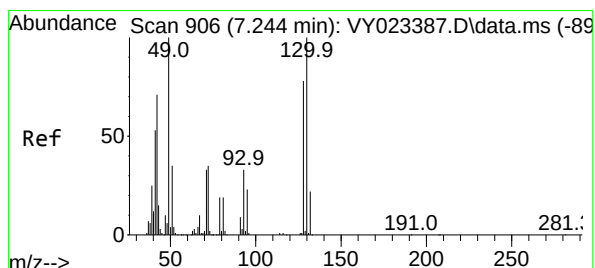
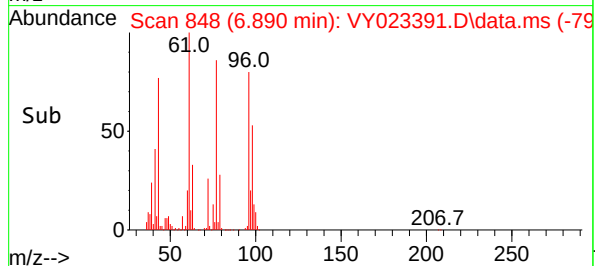
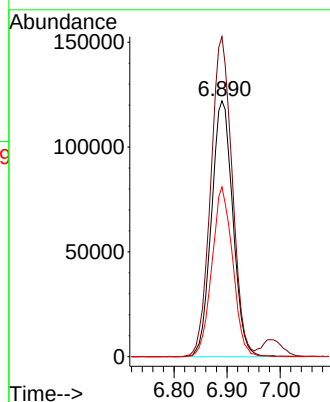
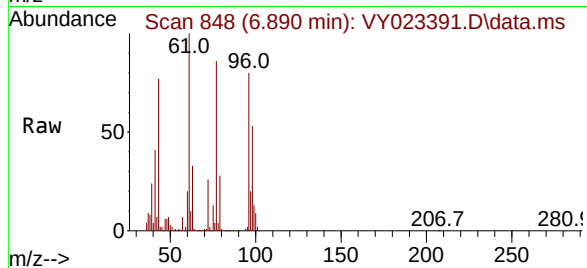
98 64.3 0.0 132.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#28

Bromochloromethane

Concen: 45.427 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

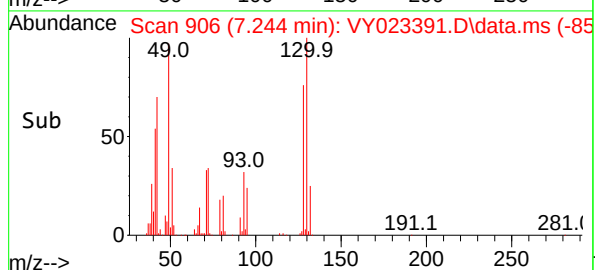
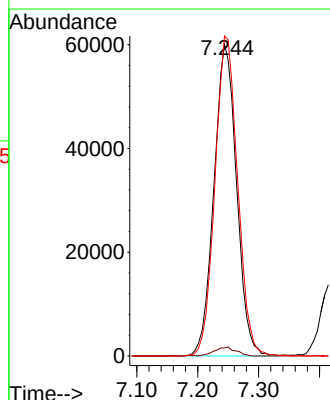
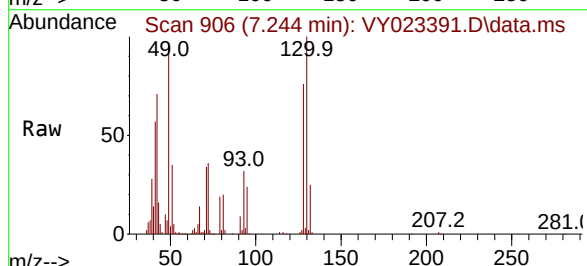
Tgt Ion: 49 Resp: 155146

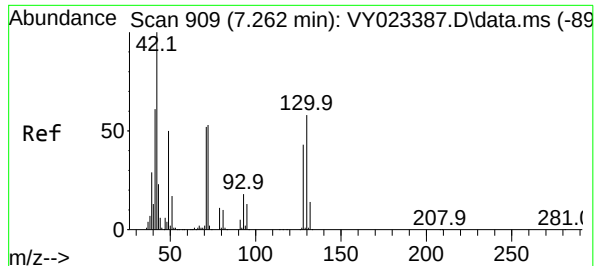
Ion Ratio Lower Upper

49 100

129 2.8 0.0 5.6

130 102.6 81.9 122.9





#29

Tetrahydrofuran

Concen: 253.317 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 42 Resp: 20051

Ion Ratio Lower Upper

42 100

72 54.6 43.0 64.6

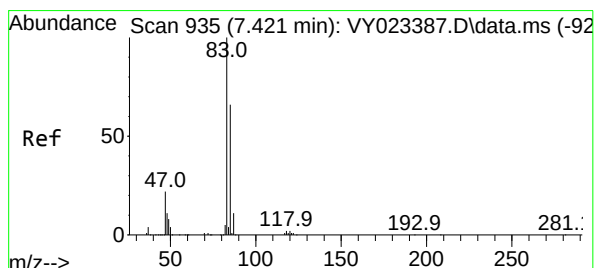
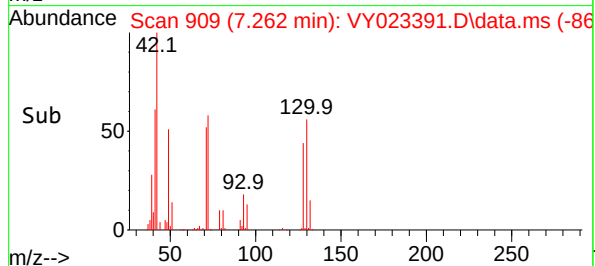
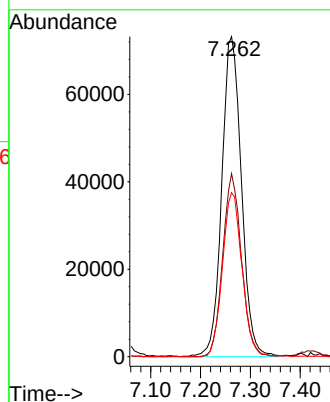
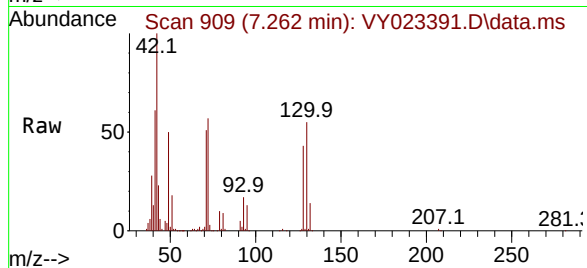
71 51.1 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Chloroform

Concen: 51.137 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY023391.D

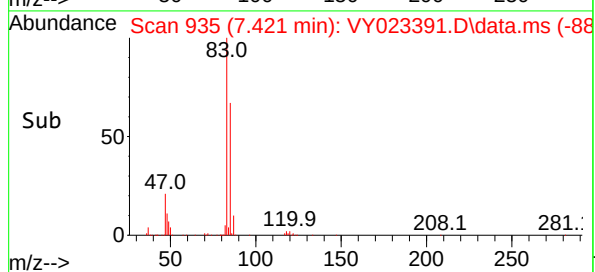
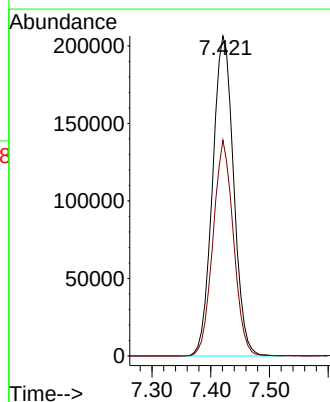
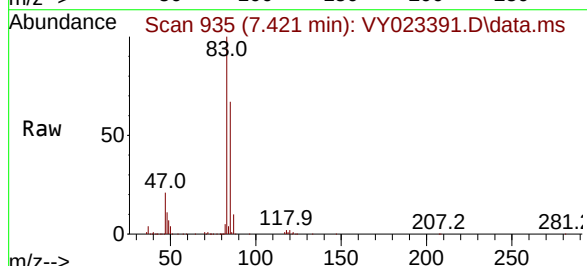
Acq: 07 Oct 2025 14:12

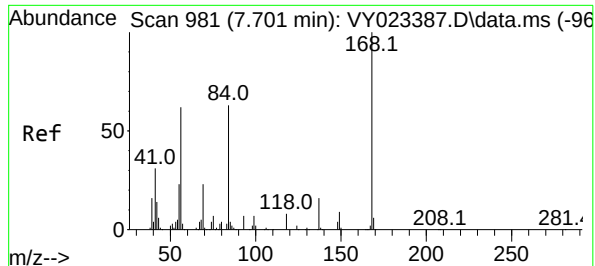
Tgt Ion: 83 Resp: 513997

Ion Ratio Lower Upper

83 100

85 67.5 52.5 78.7





#31

Cyclohexane

Concen: 47.416 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVY100725

Tgt Ion: 56 Resp: 378819

Ion Ratio Lower Upper

56 100

69 37.1 30.0 45.0

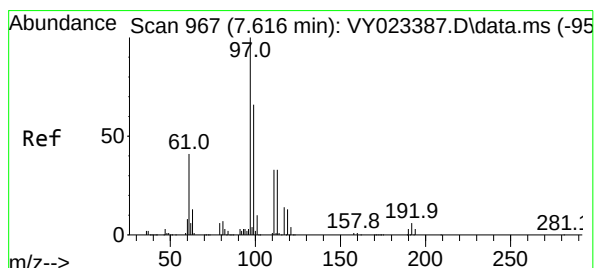
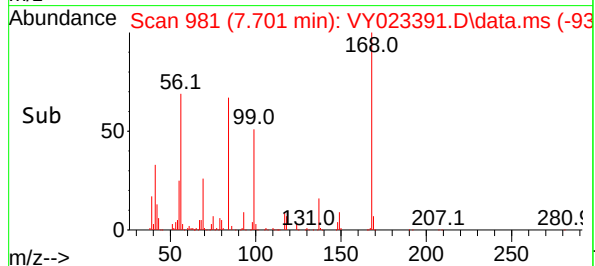
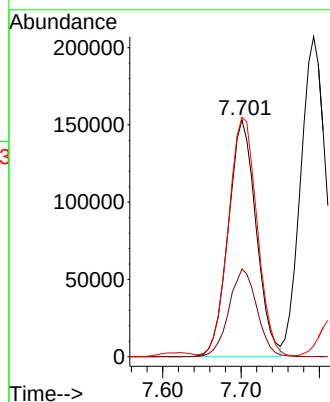
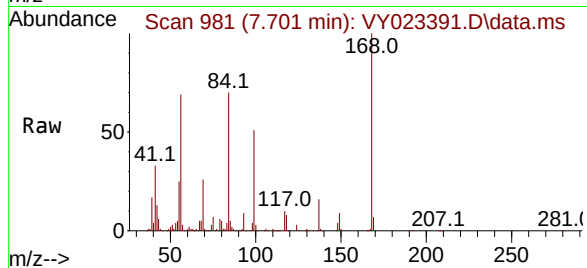
84 99.4 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 49.934 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

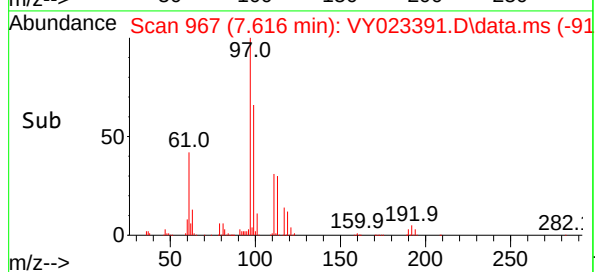
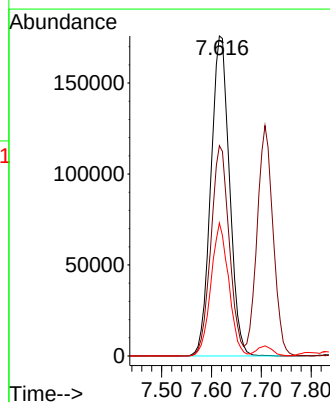
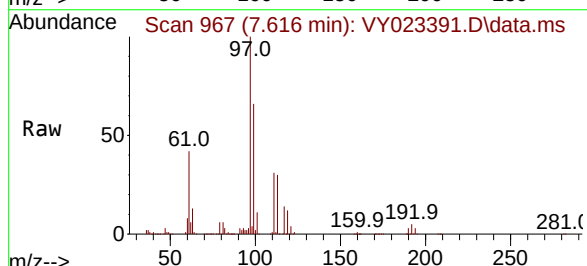
Tgt Ion: 97 Resp: 456112

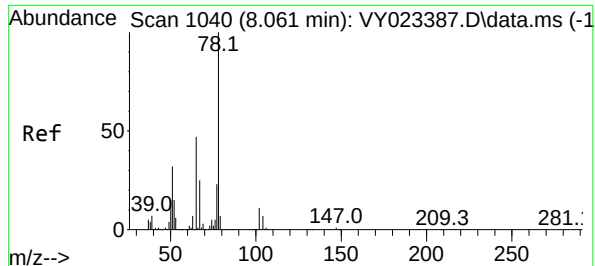
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.2

61 39.8 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 49.450 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 65 Resp: 23749

Ion Ratio Lower Upper

65 100

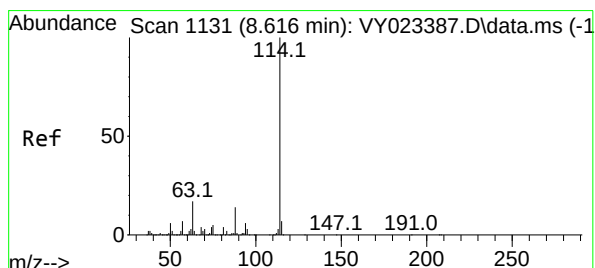
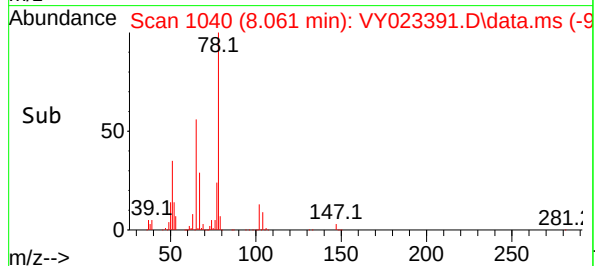
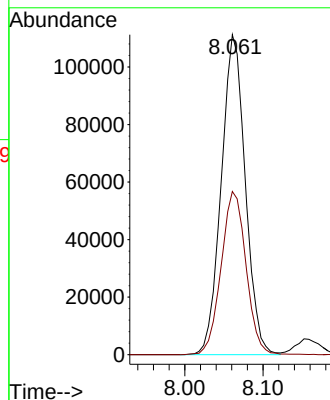
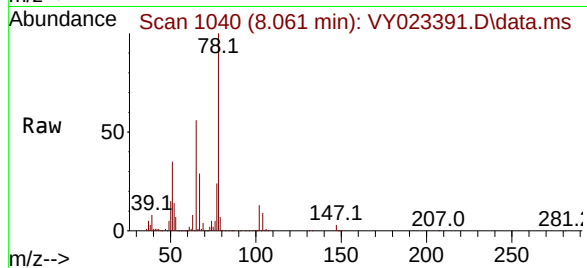
67 52.8 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

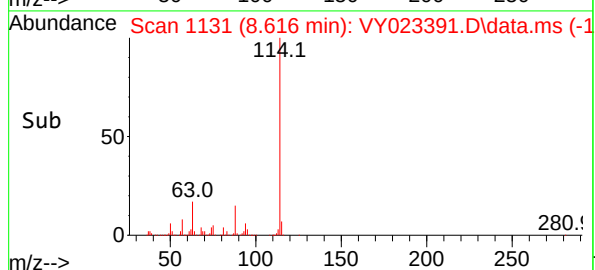
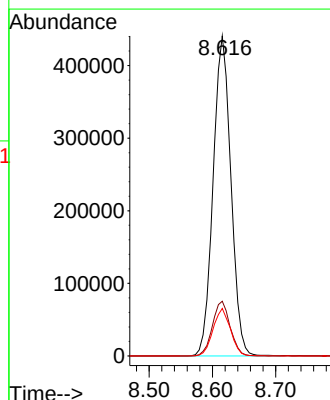
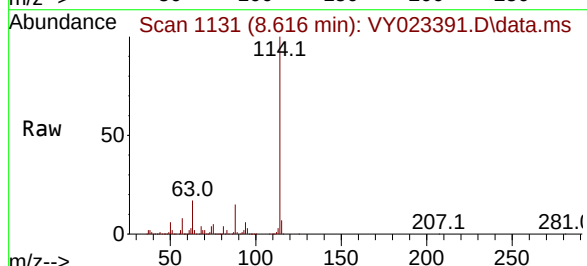
Tgt Ion:114 Resp: 861639

Ion Ratio Lower Upper

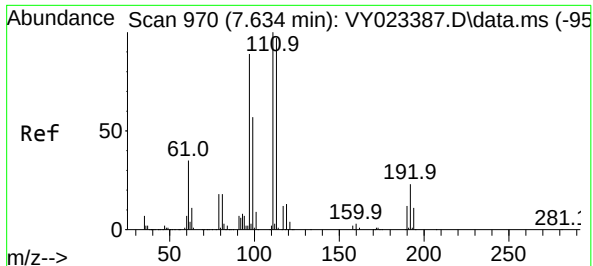
114 100

63 17.1 0.0 34.2

88 14.9 0.0 28.4







#35

Dibromofluoromethane

Concen: 49.116 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVY100725

Tgt Ion:113 Resp: 260038

Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.6

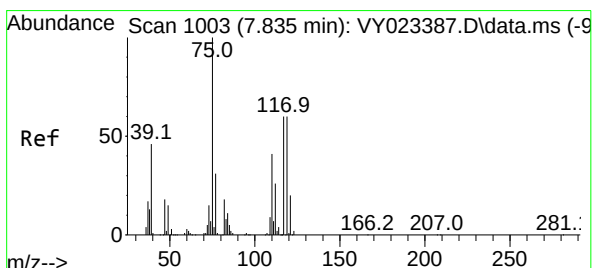
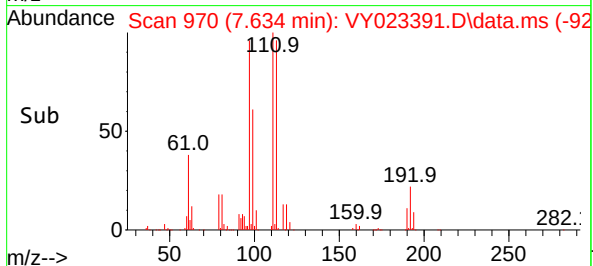
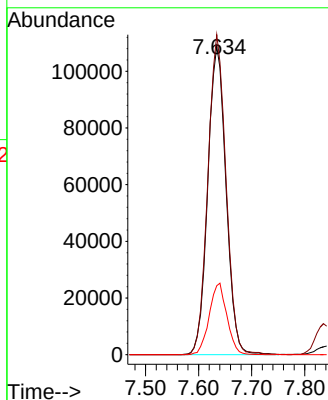
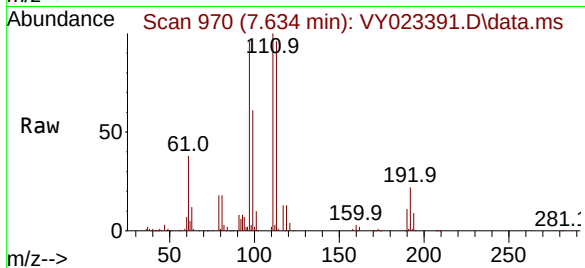
192 22.5 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#36

1,1-Dichloropropene

Concen: 49.761 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

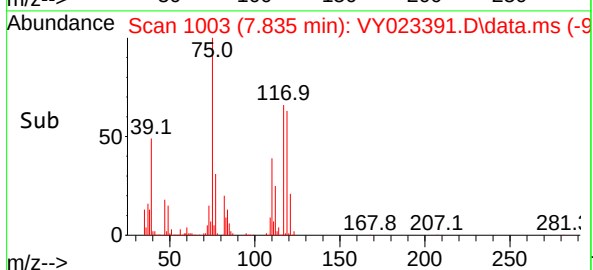
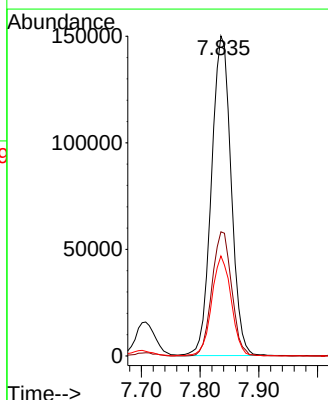
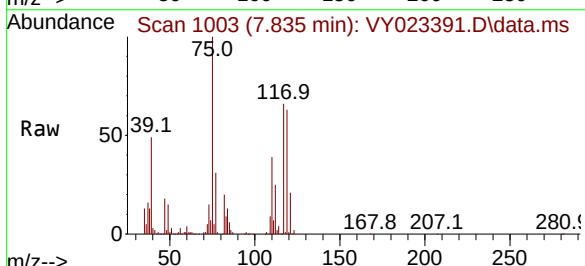
Tgt Ion: 75 Resp: 348786

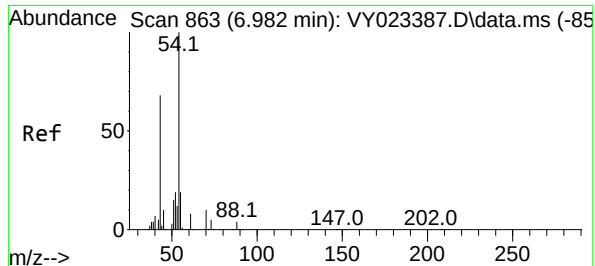
Ion Ratio Lower Upper

75 100

110 38.9 19.9 59.7

77 31.0 25.0 37.6





#37

Ethyl Acetate

Concen: 49.740 ug/l

RT: 6.982 min Scan# 863

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVY100725

Tgt Ion: 43 Resp: 138119

Ion Ratio Lower Upper

43 100

61 15.8 11.8 17.8

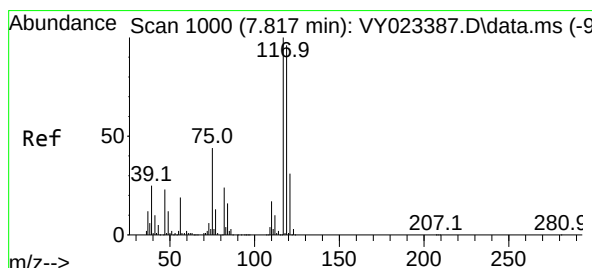
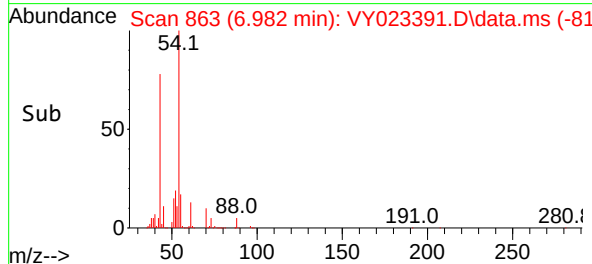
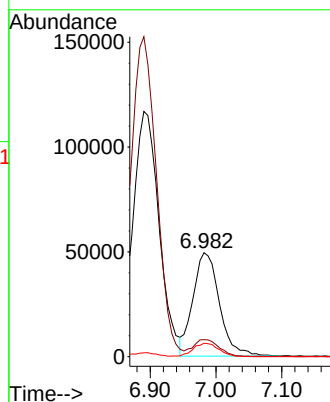
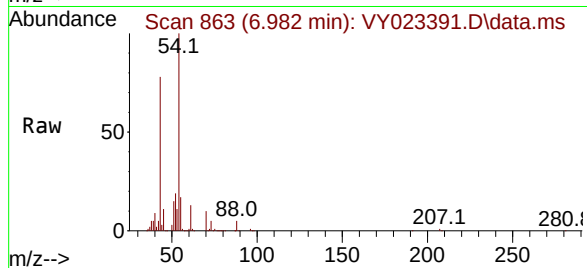
70 12.7 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#38

Carbon Tetrachloride

Concen: 48.671 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

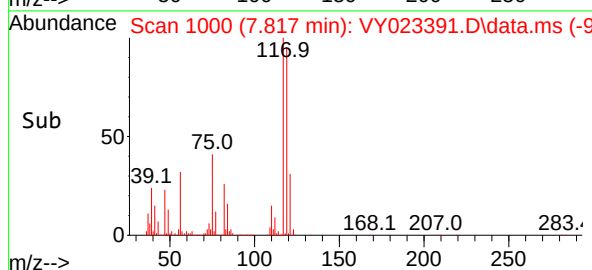
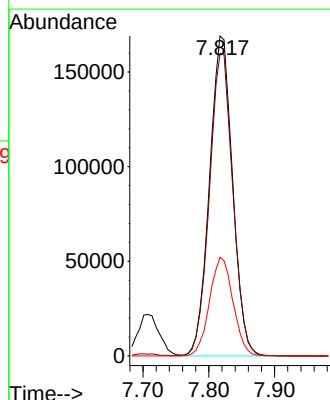
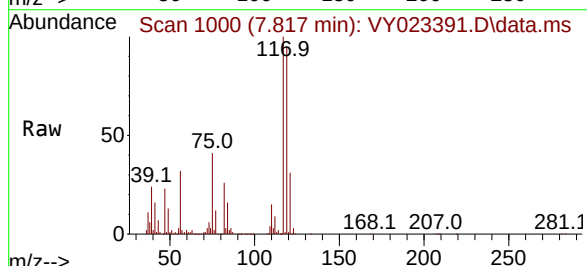
Tgt Ion:117 Resp: 413653

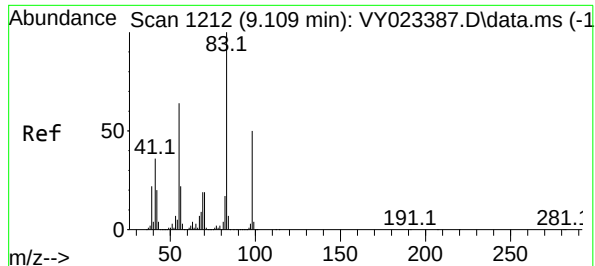
Ion Ratio Lower Upper

117 100

119 94.5 76.8 115.2

121 30.8 24.5 36.7





#39

Methylcyclohexane

Concen: 49.970 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 83 Resp: 45603

Ion Ratio Lower Upper

83 100

55 63.8 51.4 77.2

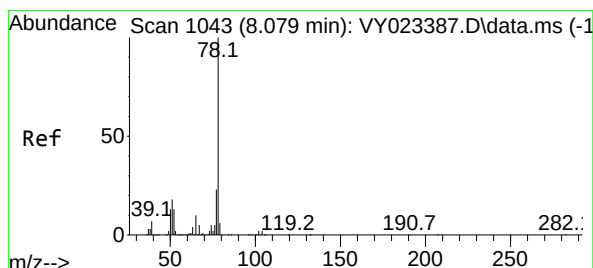
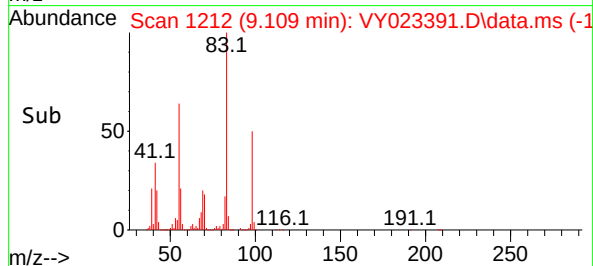
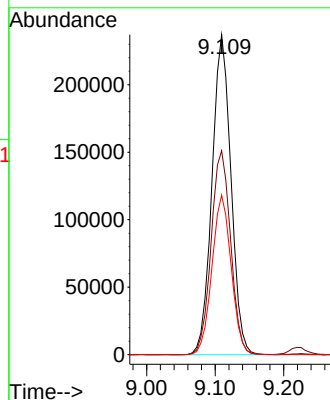
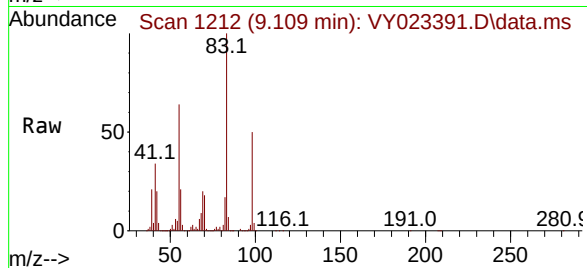
98 49.9 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Benzene

Concen: 49.906 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY023391.D

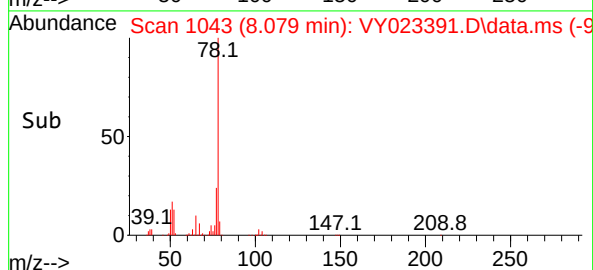
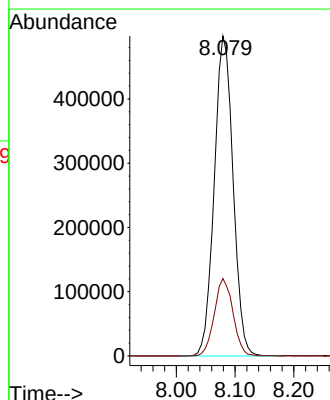
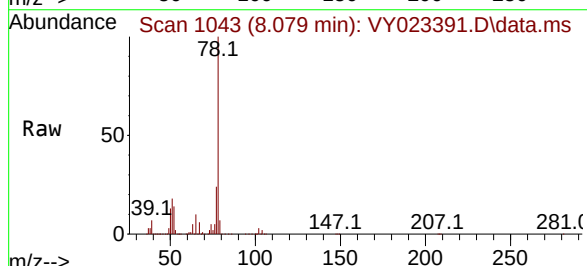
Acq: 07 Oct 2025 14:12

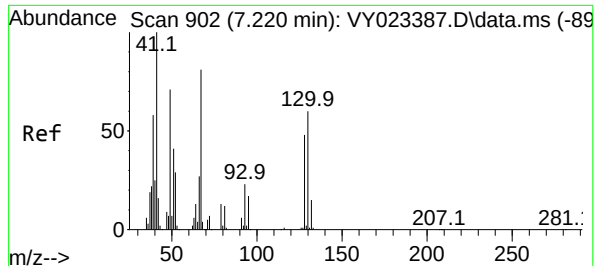
Tgt Ion: 78 Resp: 1107790

Ion Ratio Lower Upper

78 100

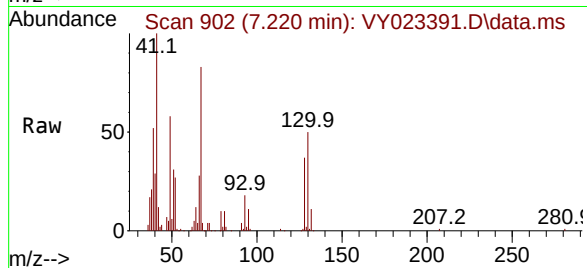
77 24.2 18.3 27.5





#41  
Methacrylonitrile  
Concen: 48.008 ug/l  
RT: 7.220 min Scan# 902  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

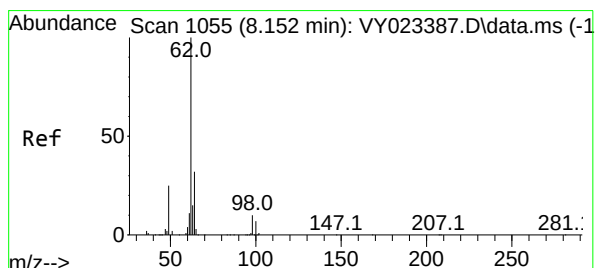
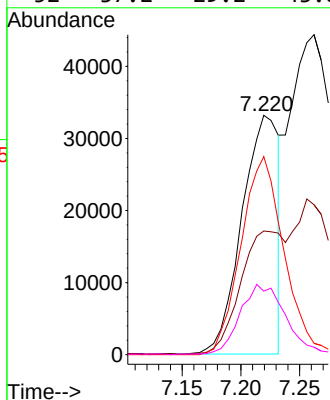
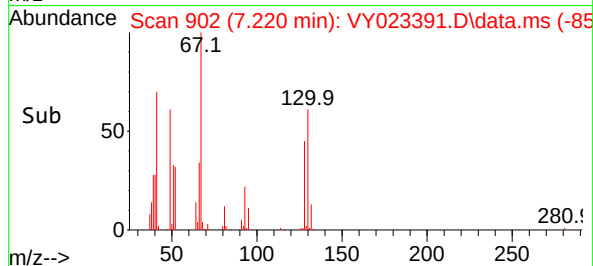
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725



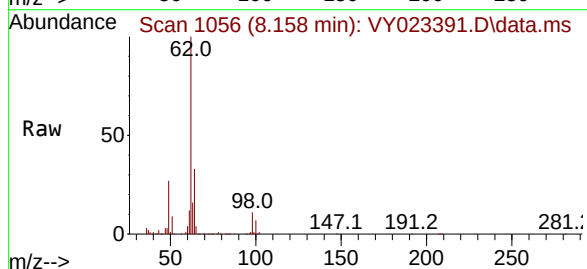
Tgt Ion: 41 Resp: 72100  
Ion Ratio Lower Upper  
41 100  
39 62.2 52.2 78.4  
67 97.9 74.9 112.3  
52 37.2 29.2 43.8

Manual Integrations  
APPROVED

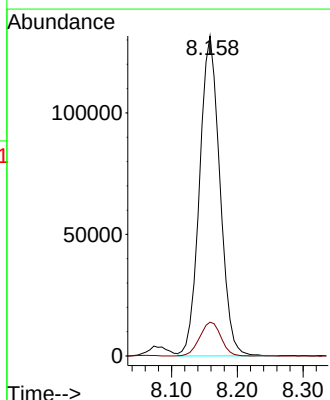
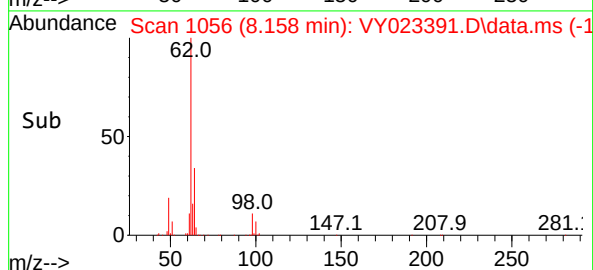
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

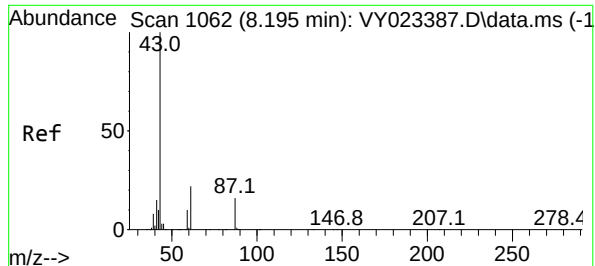


#42  
1,2-Dichloroethane  
Concen: 49.318 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12



Tgt Ion: 62 Resp: 282332  
Ion Ratio Lower Upper  
62 100  
98 11.1 0.0 21.6





#43

Isopropyl Acetate

Concen: 50.548 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 43 Resp: 27988

Ion Ratio Lower Upper

43 100

61 22.8 18.1 27.1

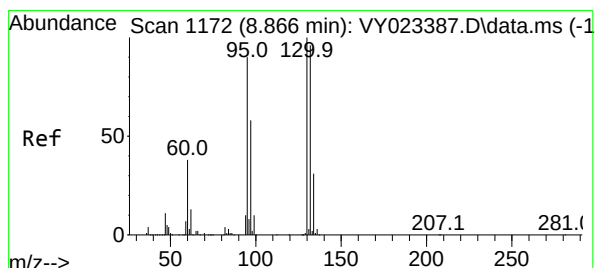
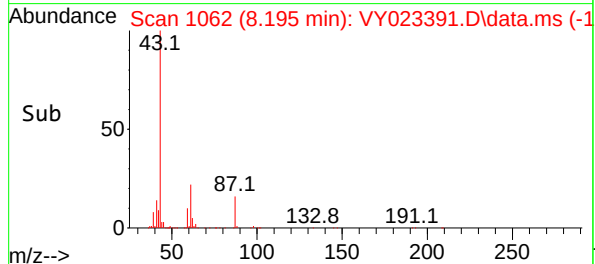
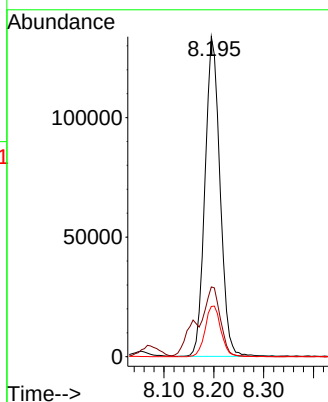
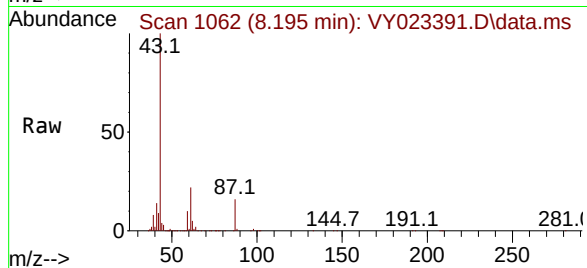
87 16.7 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#44

Trichloroethene

Concen: 49.120 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY023391.D

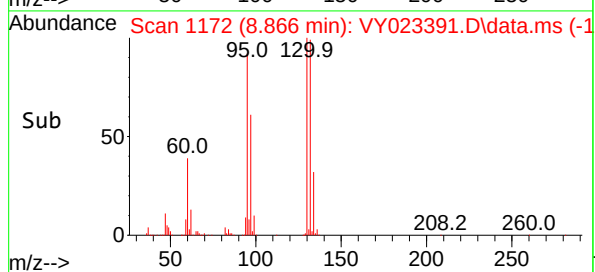
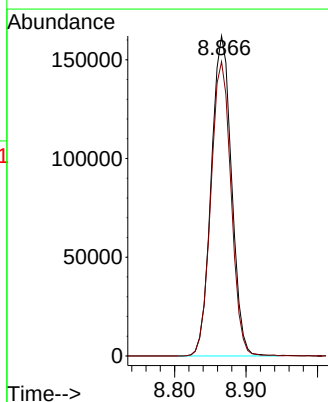
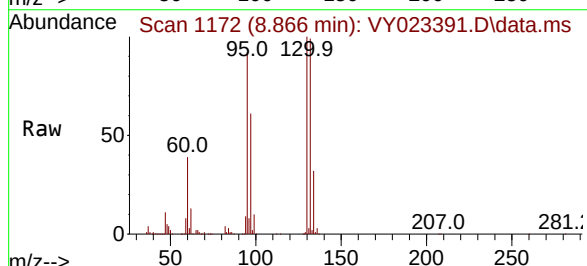
Acq: 07 Oct 2025 14:12

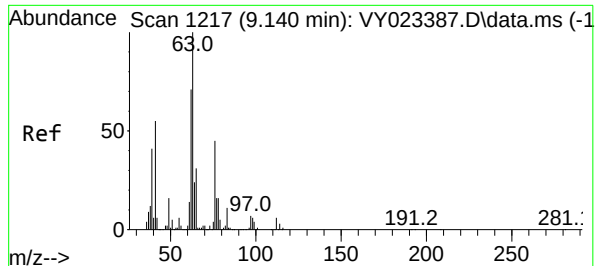
Tgt Ion:130 Resp: 319131

Ion Ratio Lower Upper

130 100

95 91.9 0.0 180.6





#45

1,2-Dichloropropane

Concen: 50.355 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 63 Resp: 24688

Ion Ratio Lower Upper

63 100

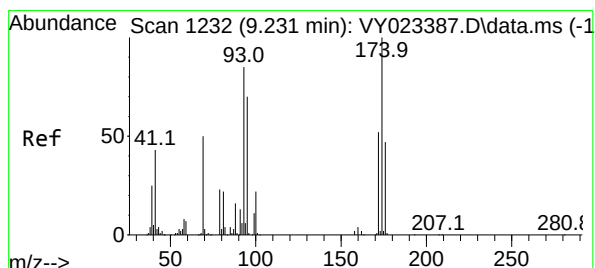
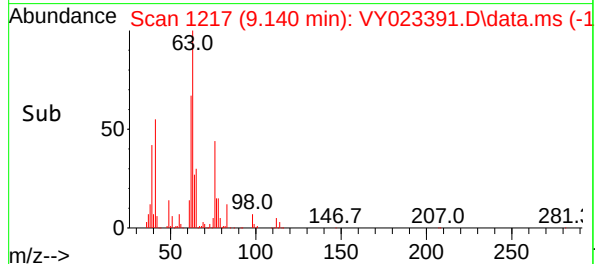
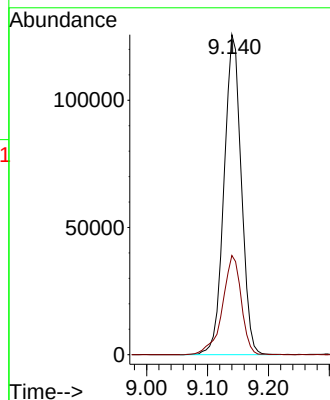
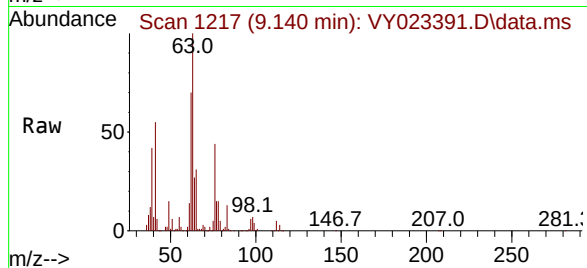
65 31.0 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

Concen: 50.885 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

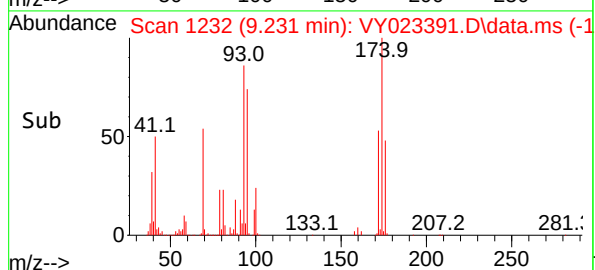
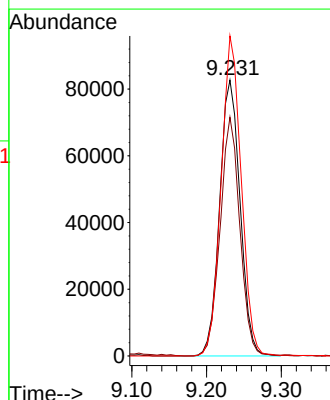
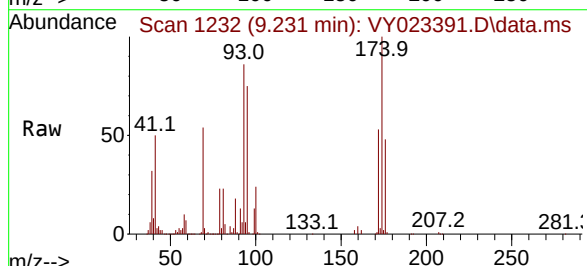
Tgt Ion: 93 Resp: 157758

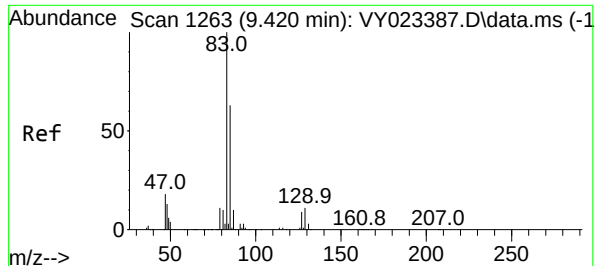
Ion Ratio Lower Upper

93 100

95 83.6 65.4 98.0

174 113.9 92.9 139.3





#47

Bromodichloromethane

Concen: 50.450 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY023391.D

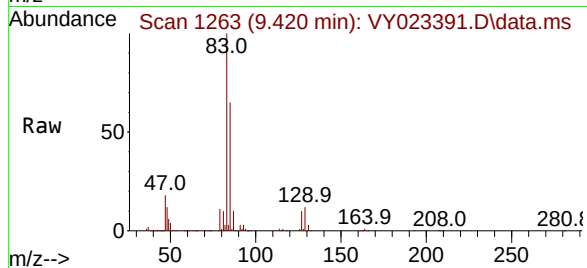
Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

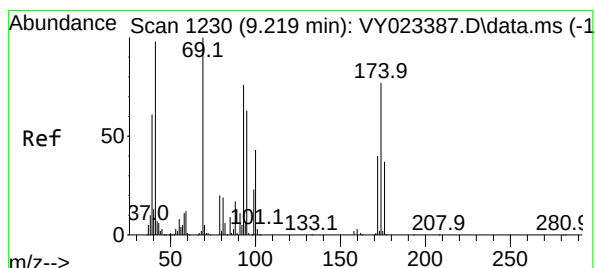
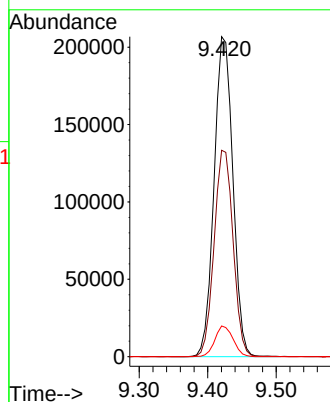
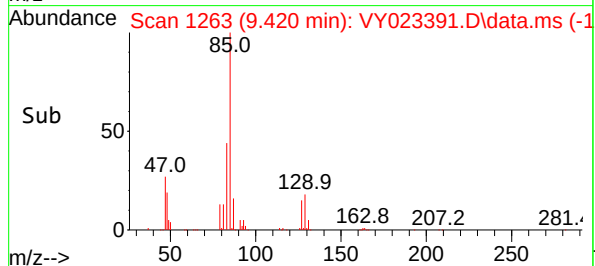


| Tgt Ion: | 83    | Resp: | 393918 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.5  | 50.8  | 76.2   |
| 127      | 9.6   | 7.4   | 11.2   |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#48

Methyl methacrylate

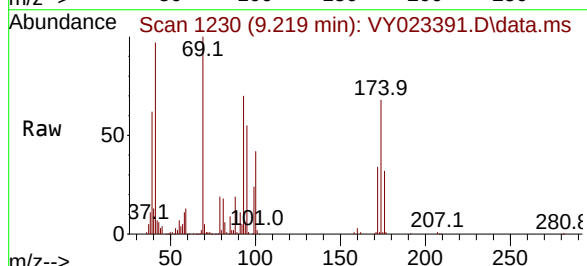
Concen: 49.440 ug/l

RT: 9.219 min Scan# 1230

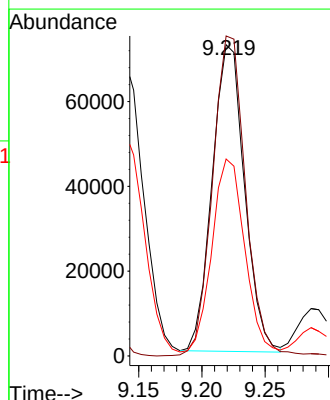
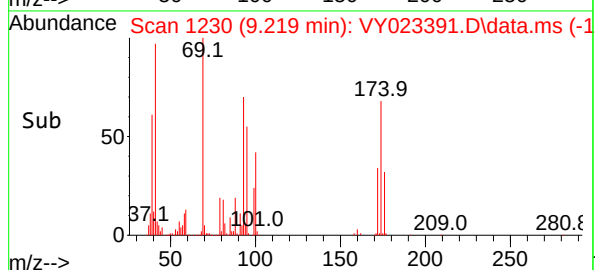
Delta R.T. -0.000 min

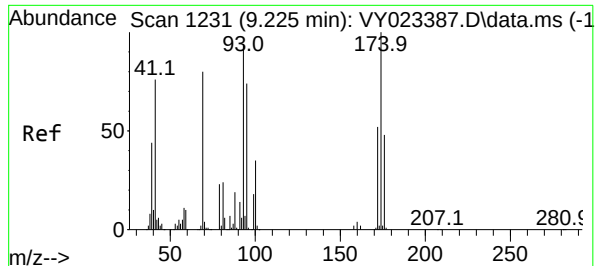
Lab File: VY023391.D

Acq: 07 Oct 2025 14:12



| Tgt Ion: | 41    | Resp: | 128606 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 106.6 | 81.0  | 121.4  |
| 39       | 63.5  | 48.2  | 72.4   |





#49

1,4-Dioxane

Concen: 1039.252 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

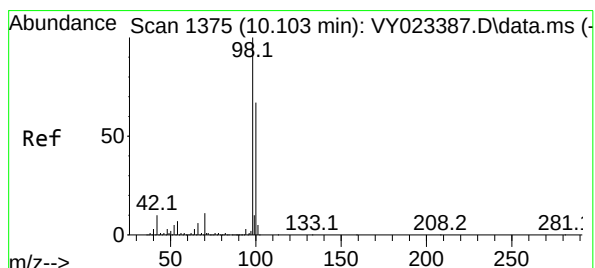
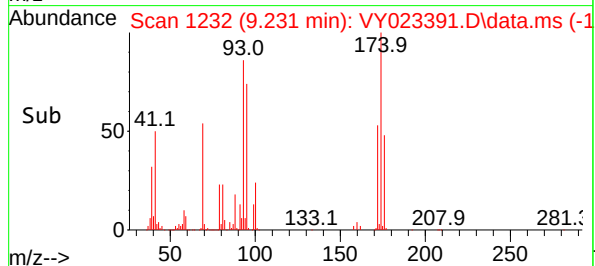
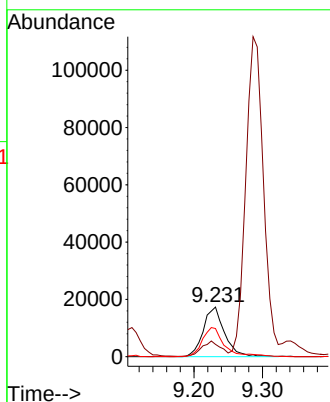
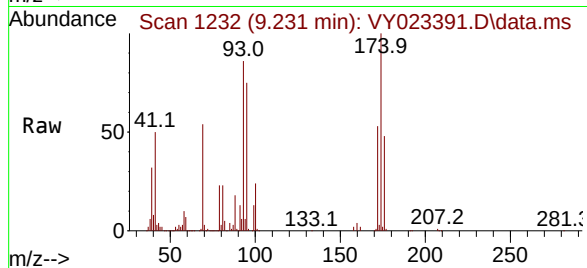
ICVY100725

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 37350 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 27.4  | 21.8  | 32.8  |
| 58       | 61.4  | 46.8  | 70.2  |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#50

Toluene-d8

Concen: 49.228 ug/l

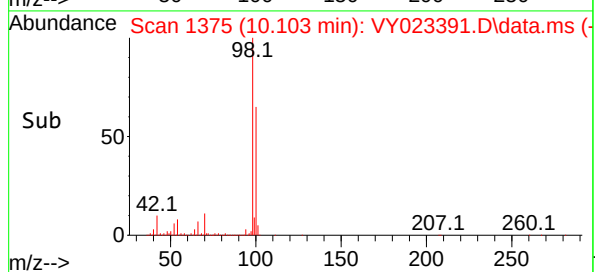
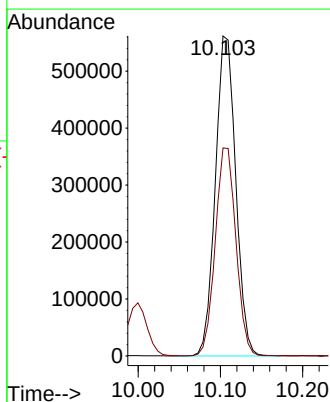
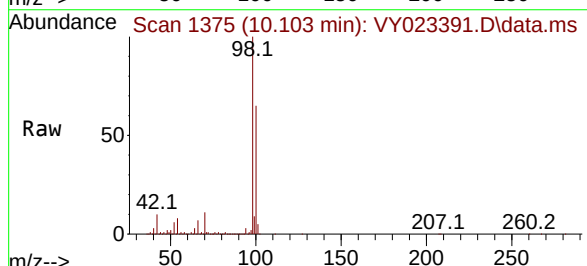
RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

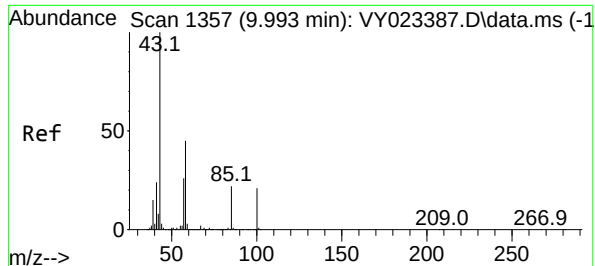
Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 970614 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 66.1  | 53.0  | 79.4   |







#51

4-Methyl-2-Pentanone

Concen: 253.421 ug/l

RT: 10.000 min Scan# 1357

Delta R.T. 0.006 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 43 Resp: 724992

Ion Ratio Lower Upper

43 100

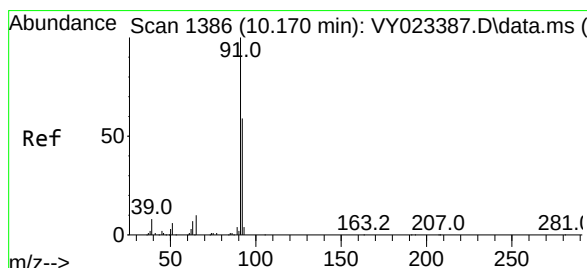
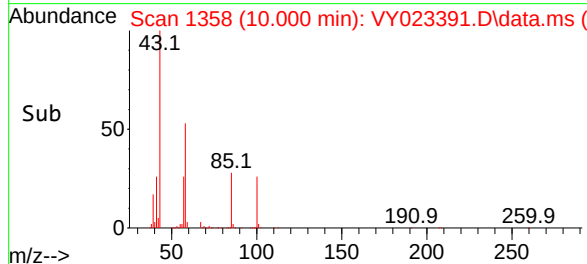
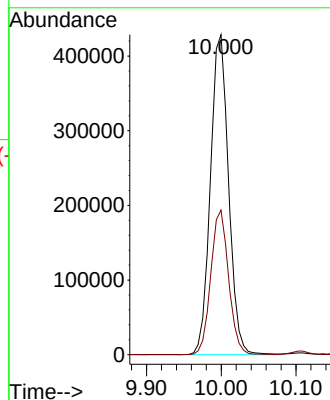
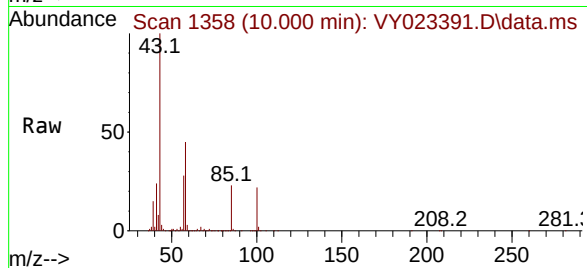
58 44.4 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#52

Toluene

Concen: 51.556 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VY023391.D

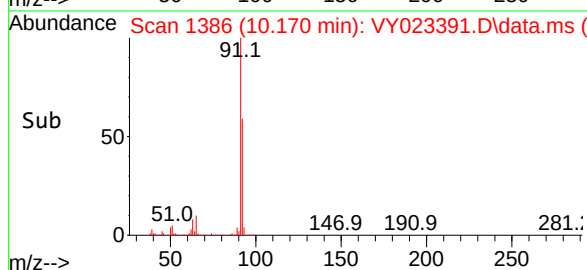
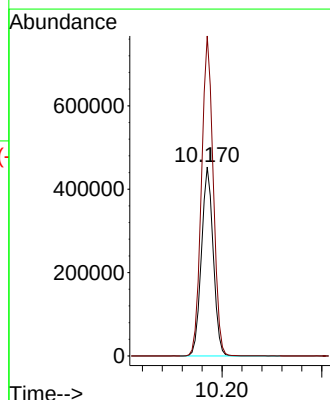
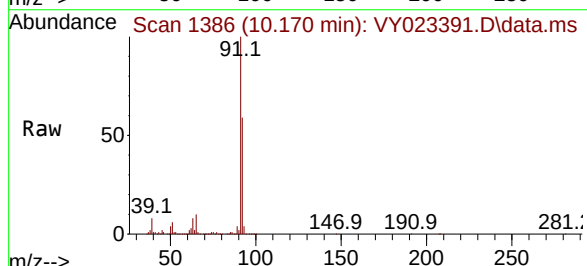
Acq: 07 Oct 2025 14:12

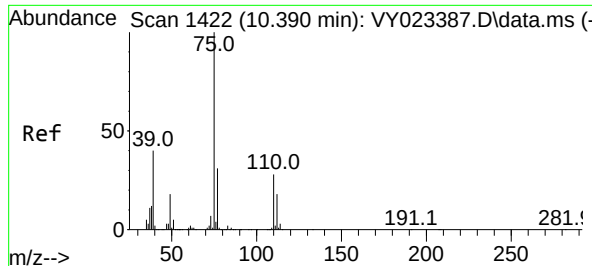
Tgt Ion: 92 Resp: 743055

Ion Ratio Lower Upper

92 100

91 168.9 136.4 204.6





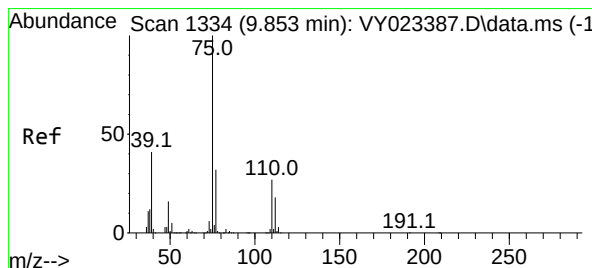
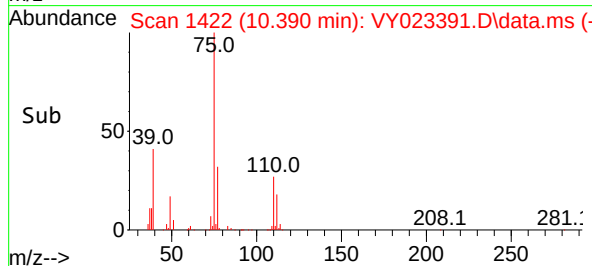
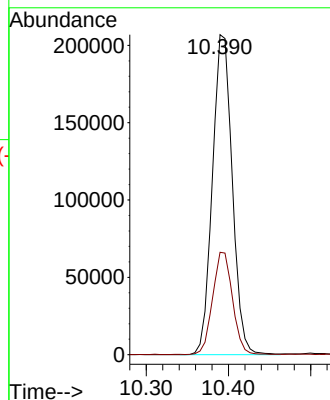
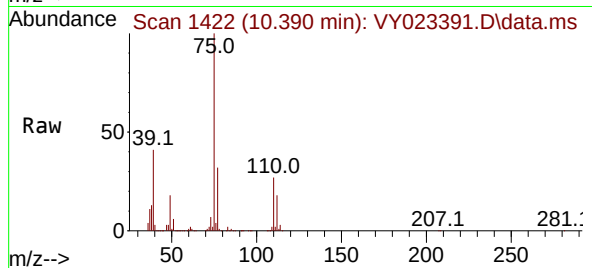
#53  
t-1,3-Dichloropropene  
Concen: 51.160 ug/l  
RT: 10.390 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725

Tgt Ion: 75 Resp: 347330  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.1 37.7

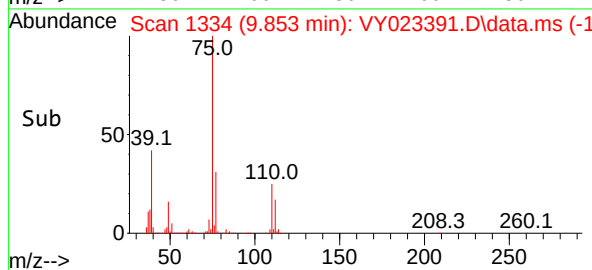
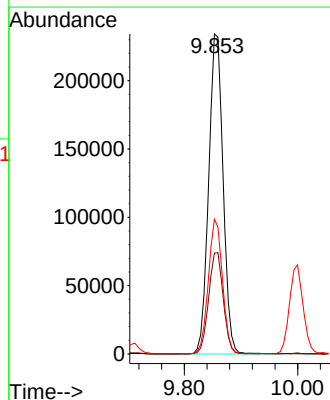
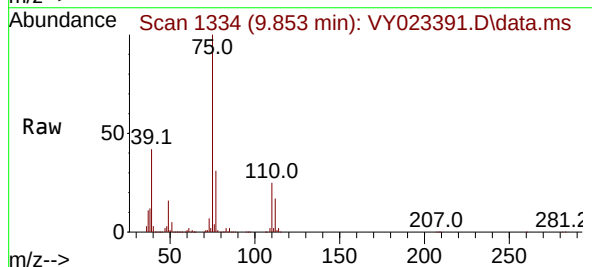
Manual Integrations  
APPROVED

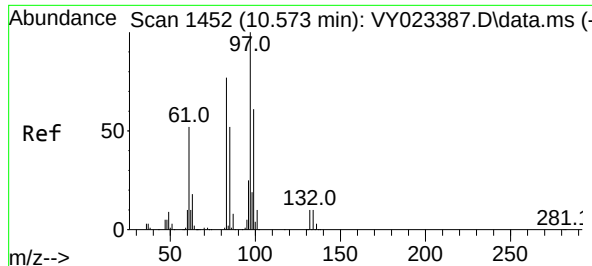
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#54  
cis-1,3-Dichloropropene  
Concen: 51.649 ug/l  
RT: 9.853 min Scan# 1334  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 413860  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.4 38.0  
39 42.1 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 50.430 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVY100725

Tgt Ion: 97 Resp: 21024

Ion Ratio Lower Upper

97 100

83 81.4 61.8 92.6

85 53.5 41.3 61.9

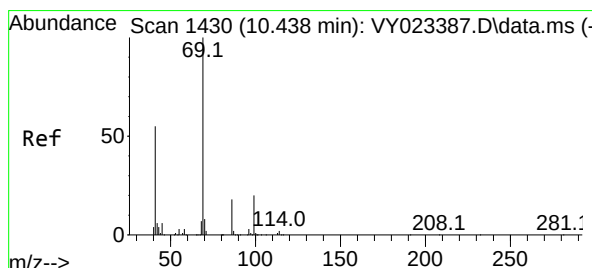
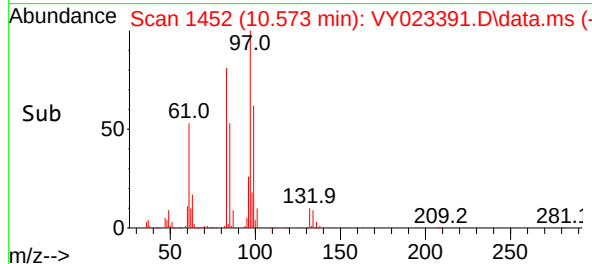
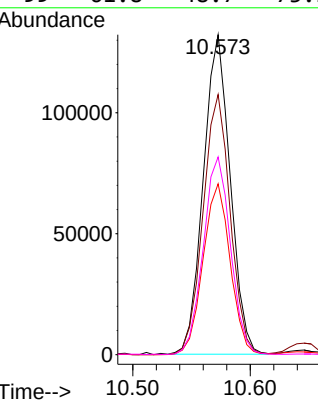
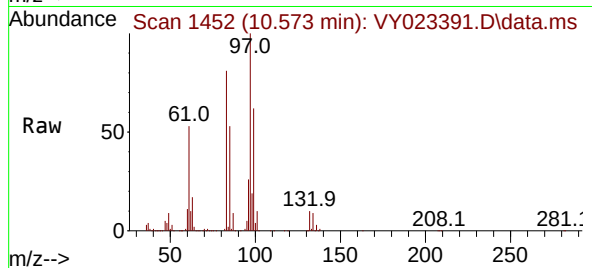
99 61.8 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#56

Ethyl methacrylate

Concen: 53.385 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

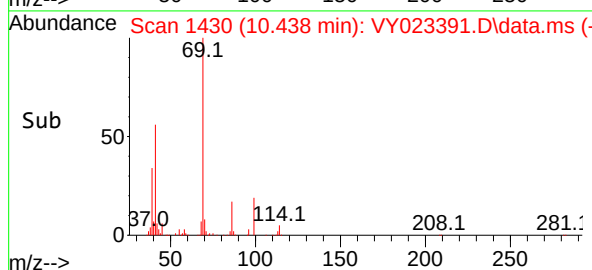
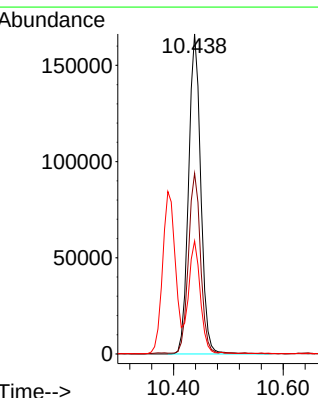
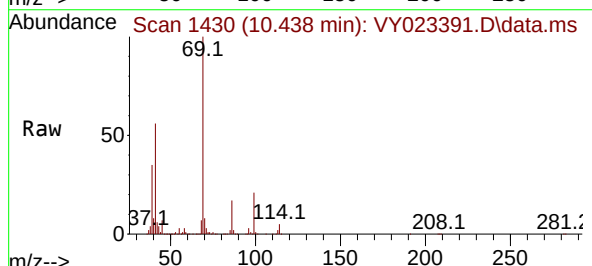
Tgt Ion: 69 Resp: 256731

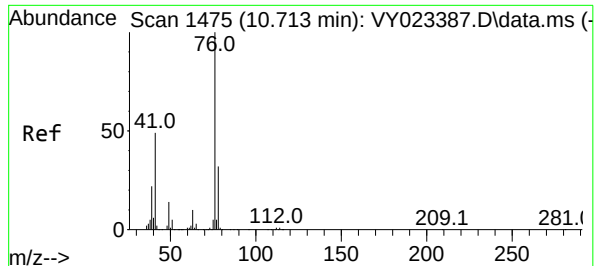
Ion Ratio Lower Upper

69 100

41 56.1 44.6 67.0

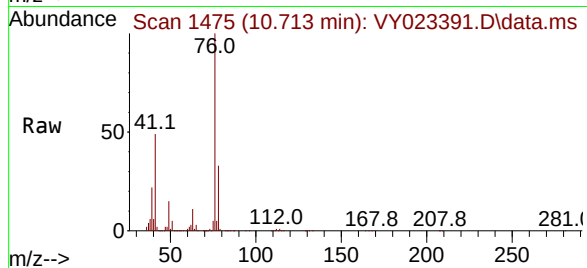
39 34.2 27.0 40.4





#57  
1,3-Dichloropropane  
Concen: 51.113 ug/l  
RT: 10.713 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

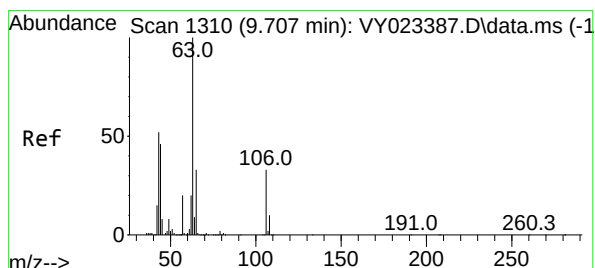
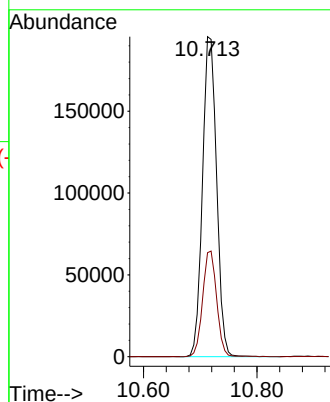
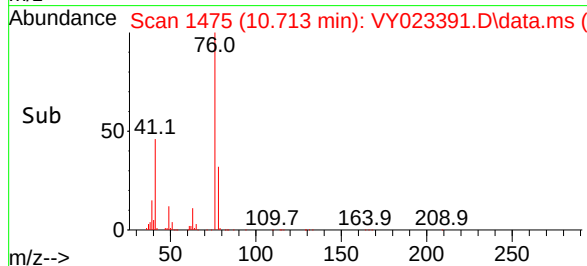
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725



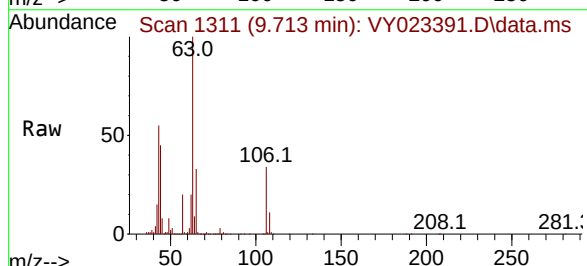
Tgt Ion: 76 Resp: 33767  
Ion Ratio Lower Upper  
76 100  
78 32.8 25.9 38.9

Manual Integrations  
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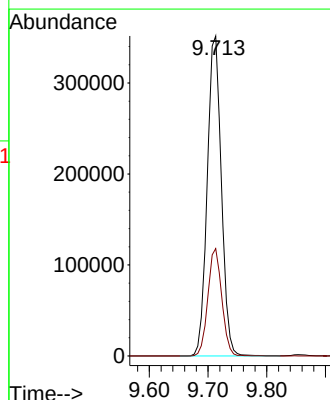
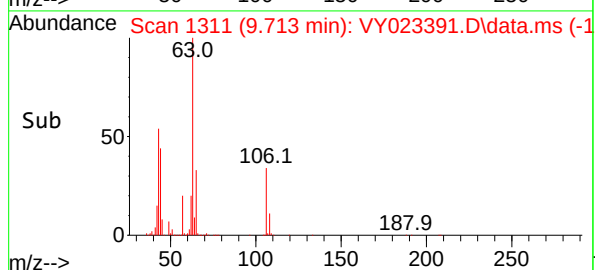
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

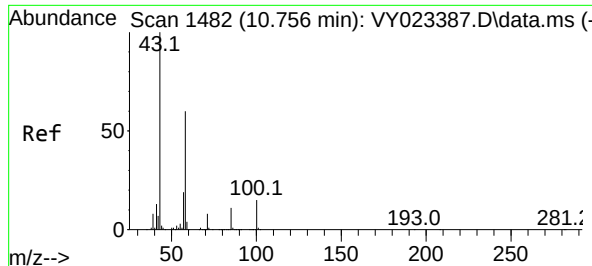


#58  
2-Chloroethyl Vinyl ether  
Concen: 272.133 ug/l  
RT: 9.713 min Scan# 1311  
Delta R.T. 0.006 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12



Tgt Ion: 63 Resp: 586266  
Ion Ratio Lower Upper  
63 100  
106 33.2 26.6 39.8





#59

2-Hexanone

Concen: 245.480 ug/l

RT: 10.762 min Scan# 1482

Delta R.T. 0.006 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 43 Resp: 50187

Ion Ratio Lower Upper

43 100

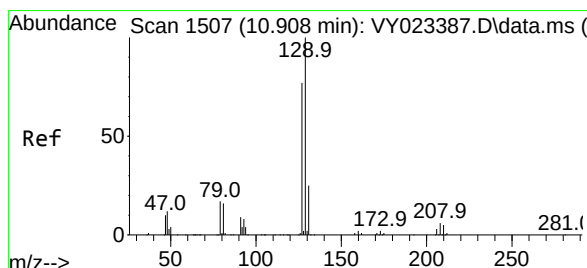
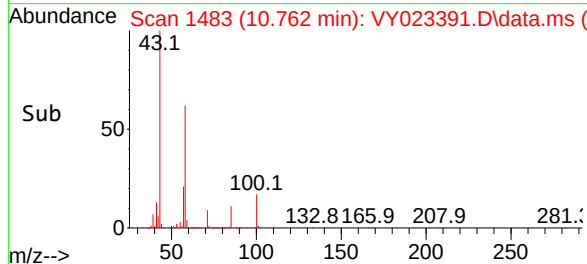
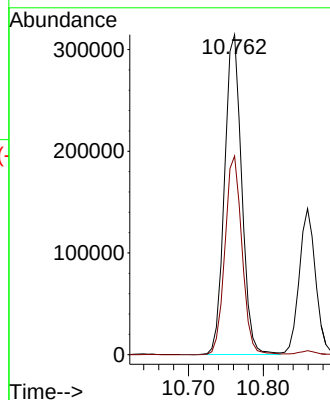
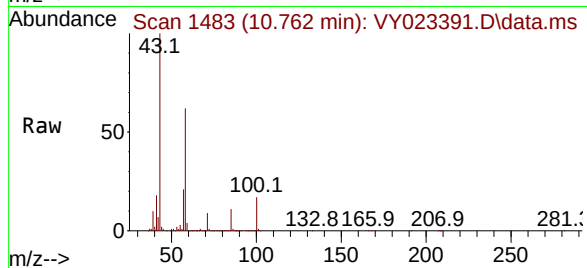
58 61.7 30.5 91.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#60

Dibromochloromethane

Concen: 50.974 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.000 min

Lab File: VY023391.D

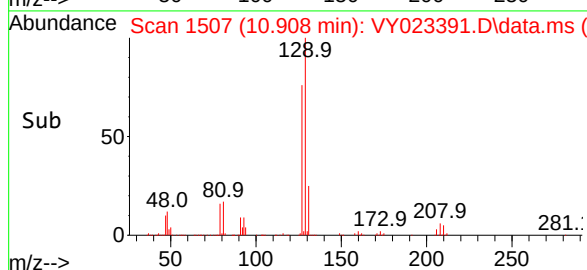
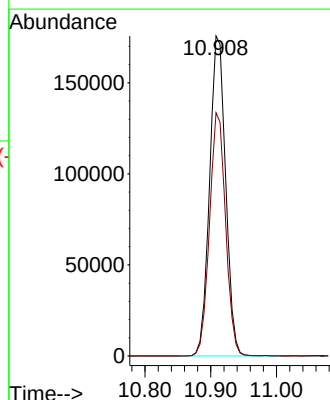
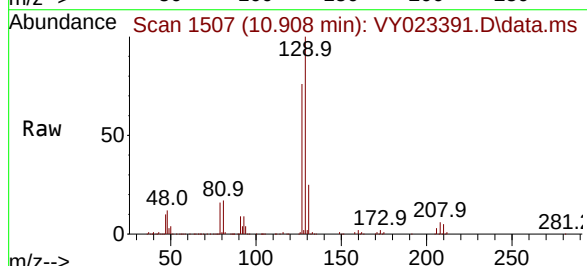
Acq: 07 Oct 2025 14:12

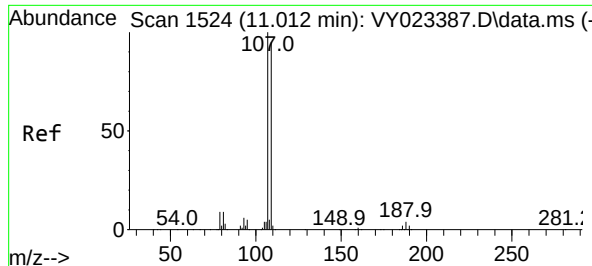
Tgt Ion:129 Resp: 297946

Ion Ratio Lower Upper

129 100

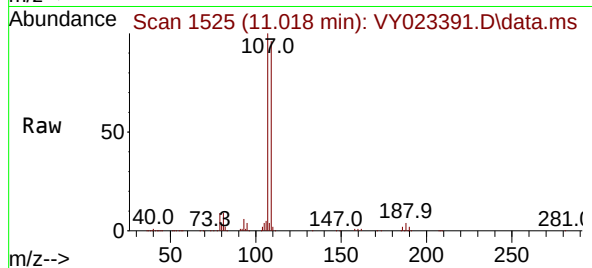
127 76.2 38.6 115.7





#61  
1,2-Dibromoethane  
Concen: 50.658 ug/l  
RT: 11.018 min Scan# 1524  
Delta R.T. 0.006 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

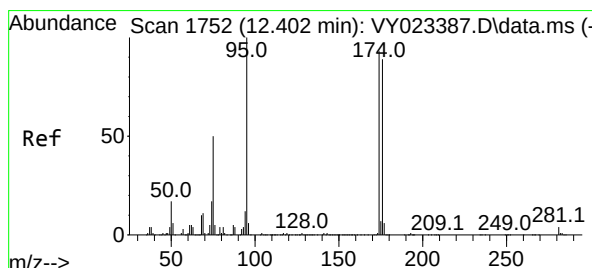
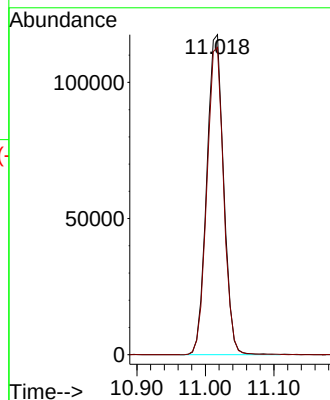
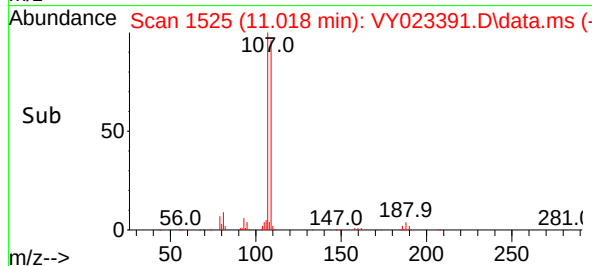
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVY100725



Tgt Ion:107 Resp: 201415  
Ion Ratio Lower Upper  
107 100  
109 95.4 76.1 114.1

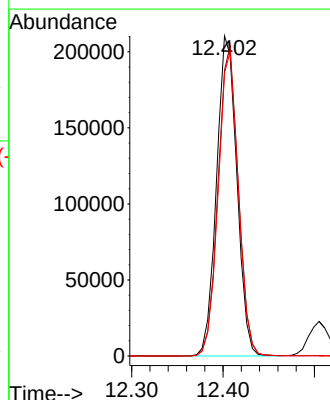
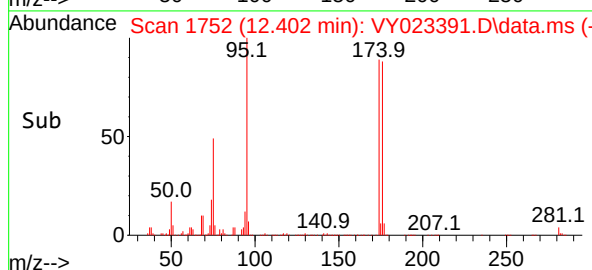
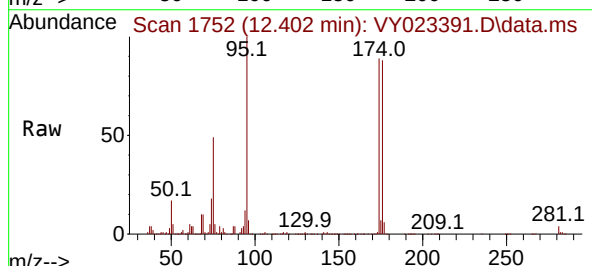
Manual Integrations  
APPROVED

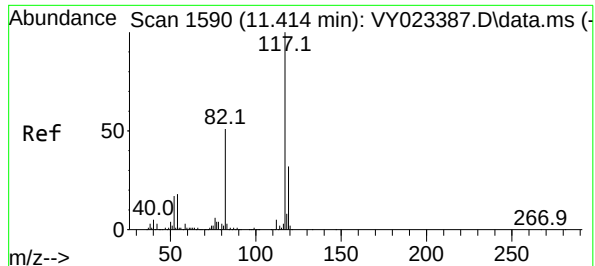
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#62  
4-Bromofluorobenzene  
Concen: 49.881 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

Tgt Ion: 95 Resp: 324700  
Ion Ratio Lower Upper  
95 100  
174 96.3 0.0 192.8  
176 93.9 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVY100725

Tgt Ion:117 Resp: 771372

Ion Ratio Lower Upper

117 100

82 51.2 41.0 61.4

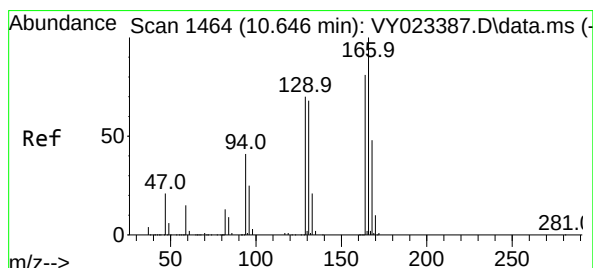
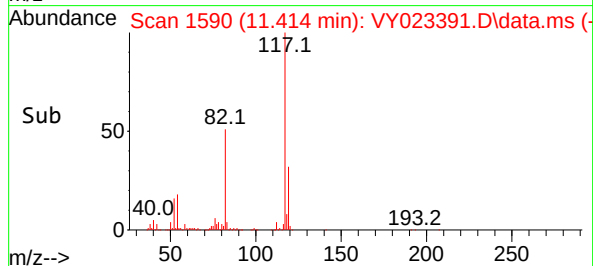
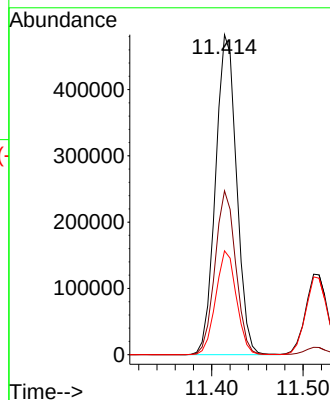
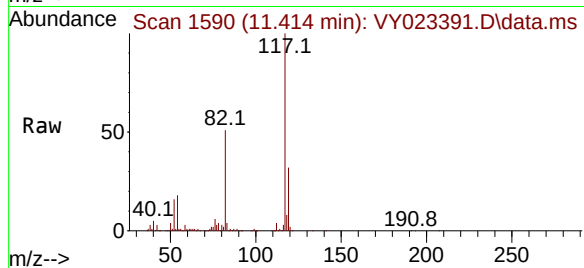
119 32.5 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#64

Tetrachloroethene

Concen: 48.087 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Tgt Ion:164 Resp: 382998

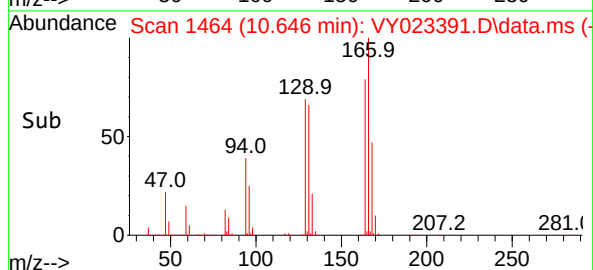
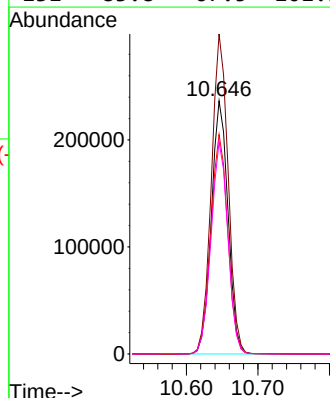
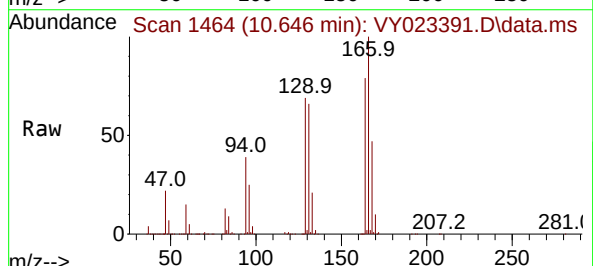
Ion Ratio Lower Upper

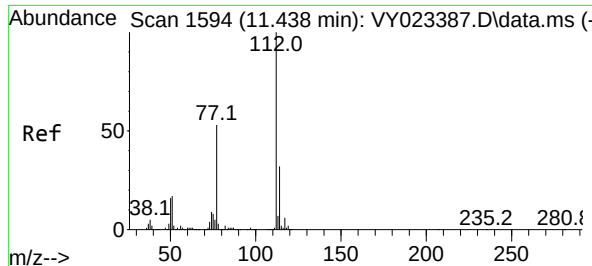
164 100

166 126.4 99.4 149.0

129 86.7 69.4 104.2

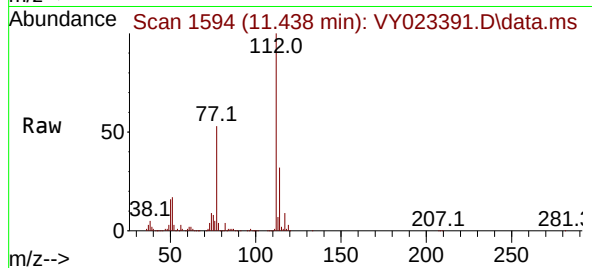
131 83.8 67.5 101.3





#65  
Chlorobenzene  
Concen: 49.381 ug/l  
RT: 11.438 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

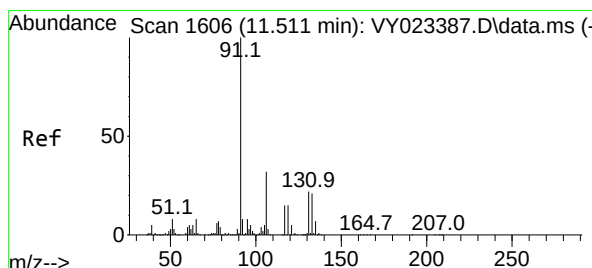
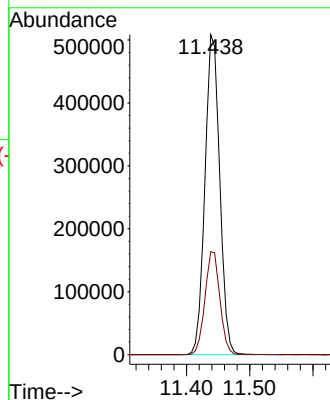
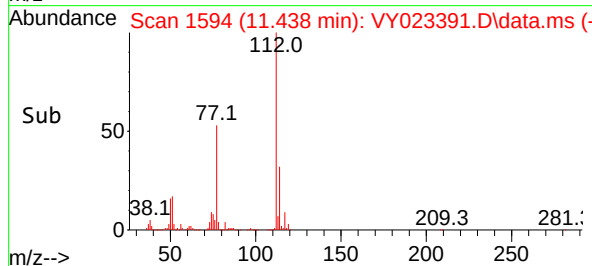
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725



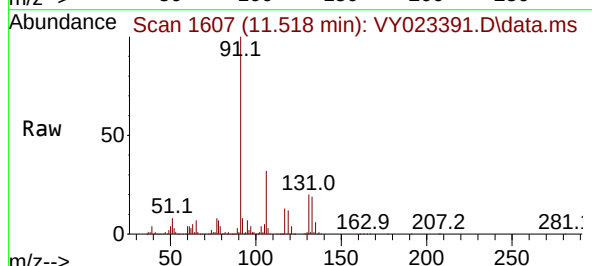
Tgt Ion:112 Resp: 828460  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.6 38.4

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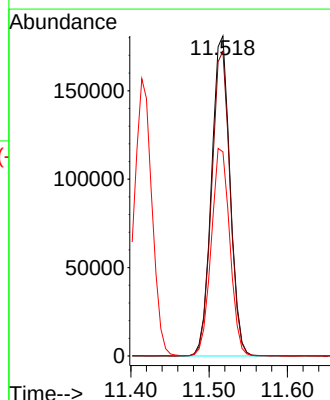
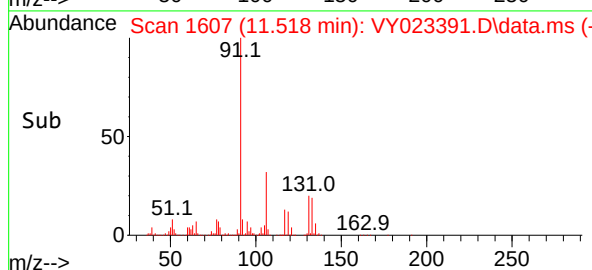
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



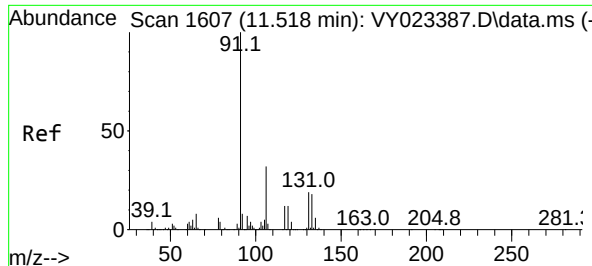
#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.537 ug/l  
RT: 11.518 min Scan# 1607  
Delta R.T. 0.006 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12



Tgt Ion:131 Resp: 296157  
Ion Ratio Lower Upper  
131 100  
133 95.1 48.4 145.2  
119 65.2 32.4 97.2

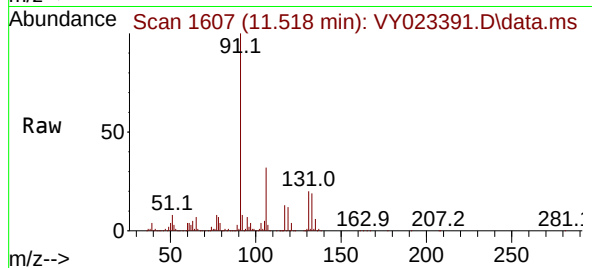






#67  
Ethyl Benzene  
Concen: 50.841 ug/l  
RT: 11.518 min Scan# 1607  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

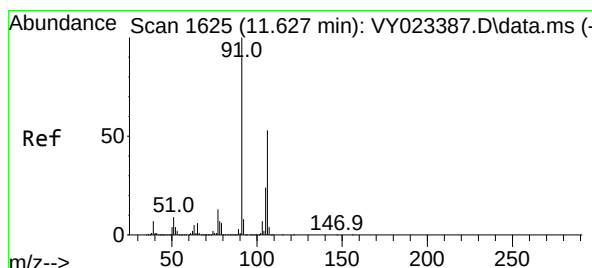
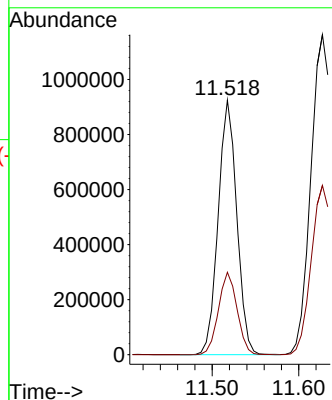
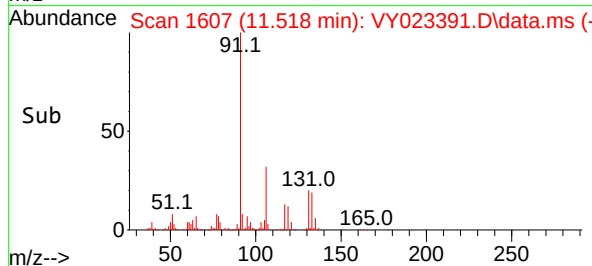
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725



Tgt Ion: 91 Resp: 138069  
Ion Ratio Lower Upper  
91 100  
106 32.4 25.8 38.8

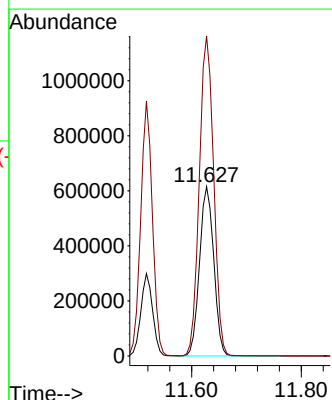
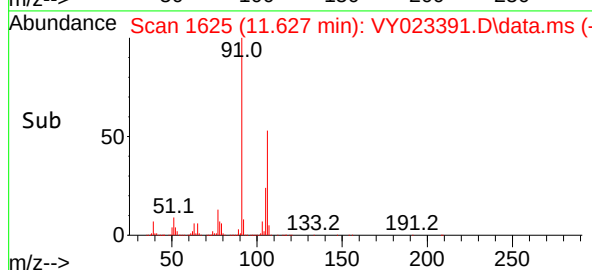
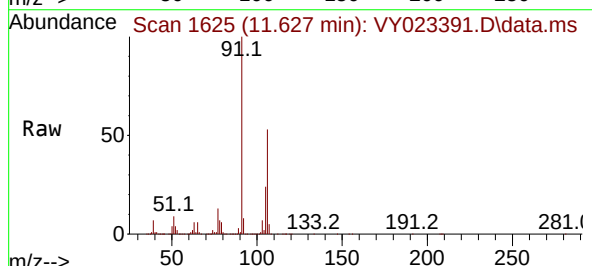
Manual Integrations  
APPROVED

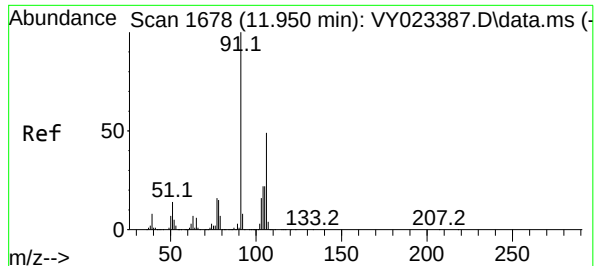
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#68  
m/p-Xylenes  
Concen: 101.757 ug/l  
RT: 11.627 min Scan# 1625  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

Tgt Ion:106 Resp: 1108386  
Ion Ratio Lower Upper  
106 100  
91 190.7 152.6 229.0





#69

o-Xylene

Concen: 51.577 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

Tgt Ion:106 Resp: 526954

Ion Ratio Lower Upper

106 100

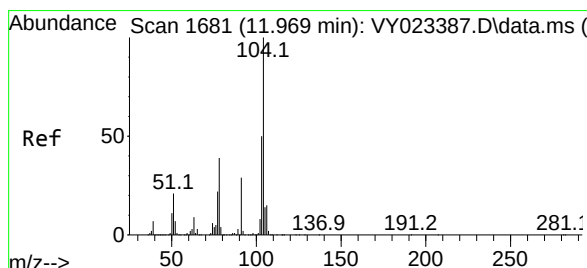
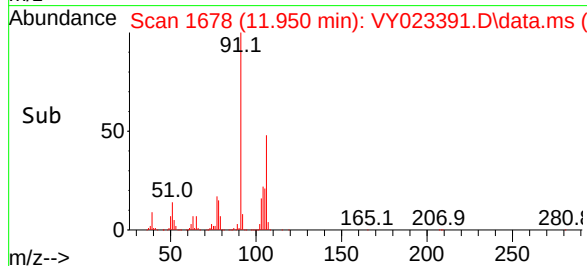
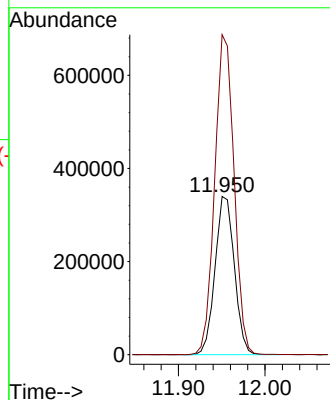
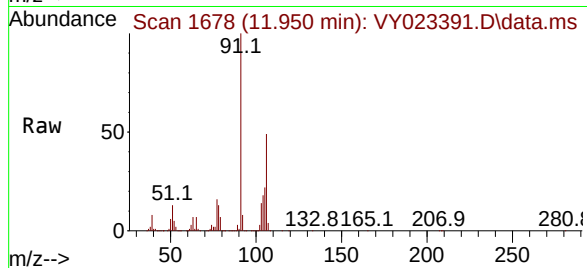
91 202.1 101.4 304.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#70

Styrene

Concen: 52.122 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

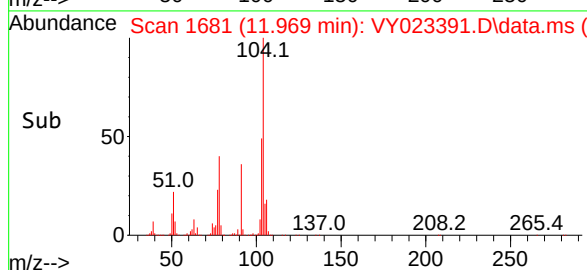
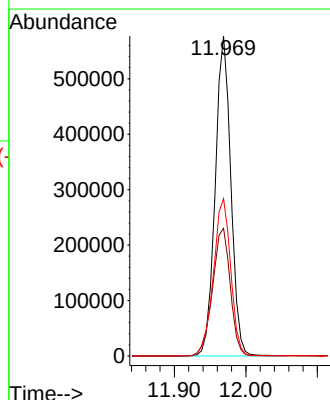
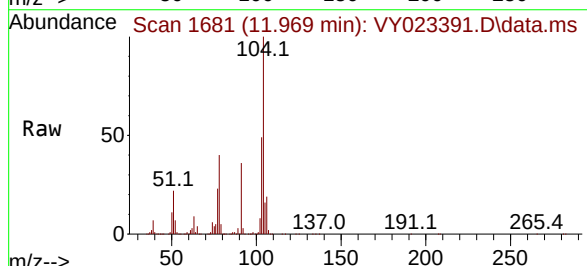
Tgt Ion:104 Resp: 875709

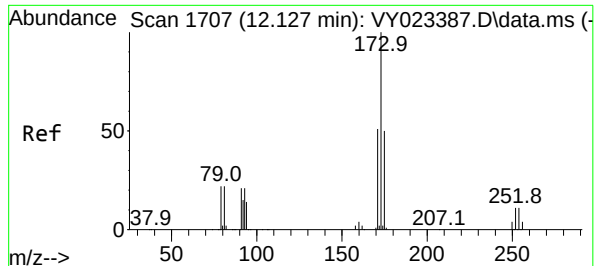
Ion Ratio Lower Upper

104 100

78 45.3 36.1 54.1

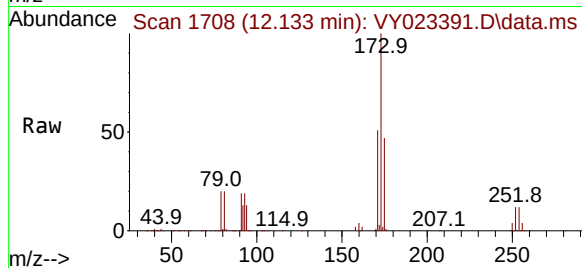
103 54.2 43.2 64.8





#71  
Bromoform  
Concen: 50.070 ug/l  
RT: 12.133 min Scan# 1708  
Delta R.T. 0.006 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

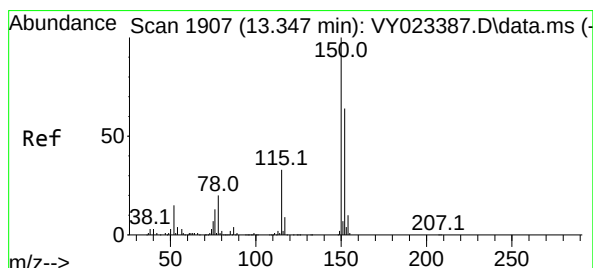
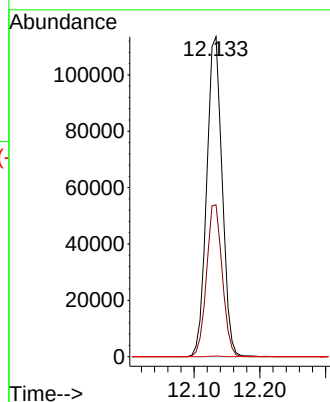
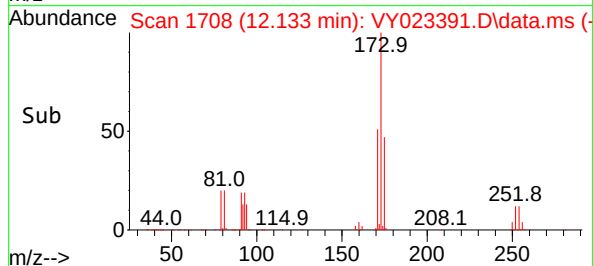
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725



Tgt Ion:173 Resp: 185682  
Ion Ratio Lower Upper  
173 100  
175 48.4 24.8 74.3  
254 0.2 0.1 0.1

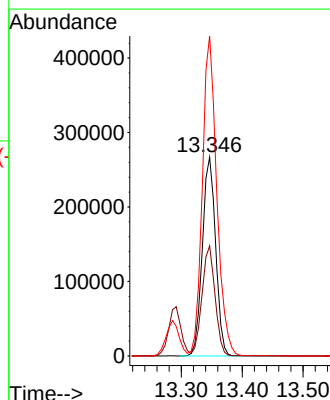
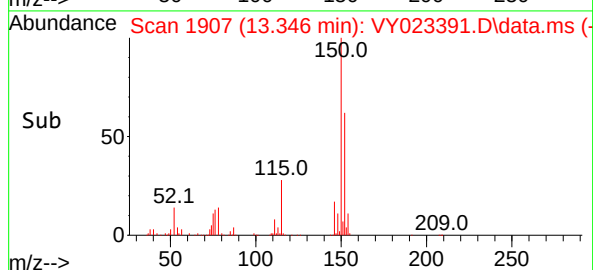
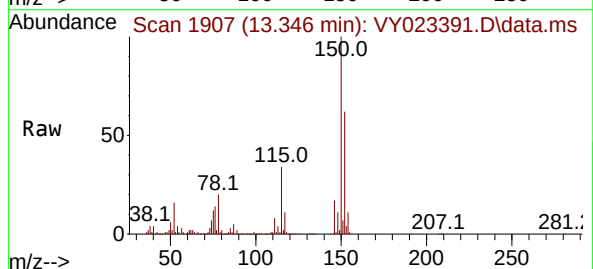
Manual Integrations  
APPROVED

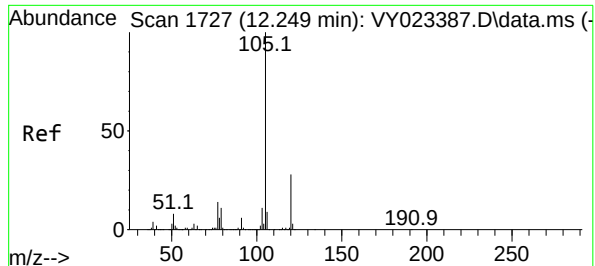
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

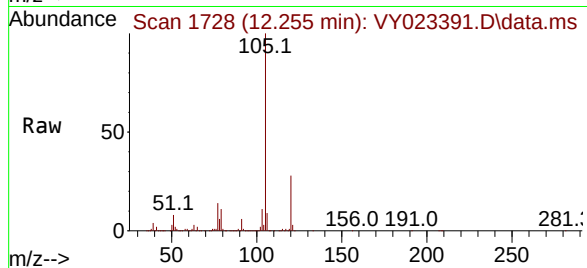
Tgt Ion:152 Resp: 405636  
Ion Ratio Lower Upper  
152 100  
115 54.1 27.1 81.2  
150 173.7 0.0 347.4





#73  
Isopropylbenzene  
Concen: 50.318 ug/l  
RT: 12.255 min Scan# 1728  
Delta R.T. 0.006 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

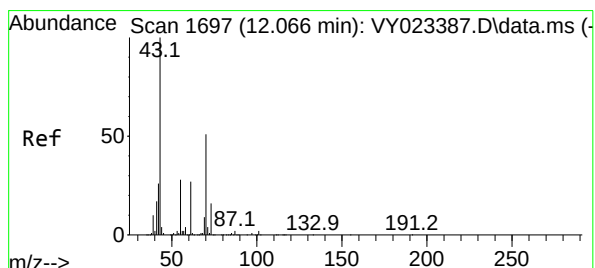
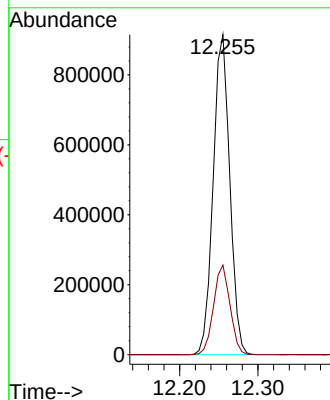
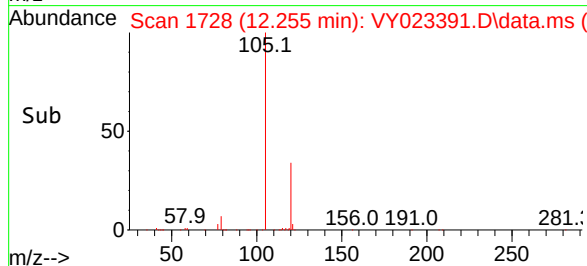
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725



Tgt Ion:105 Resp: 1345109  
Ion Ratio Lower Upper  
105 100  
120 27.7 13.9 41.7

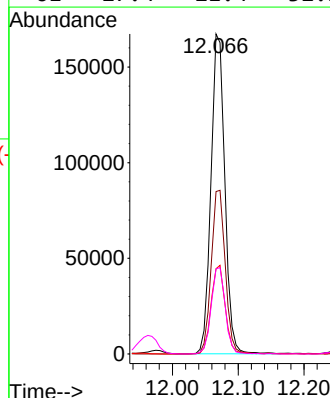
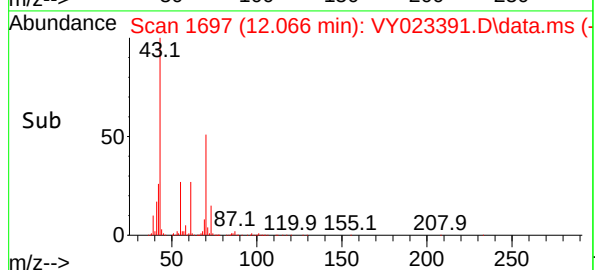
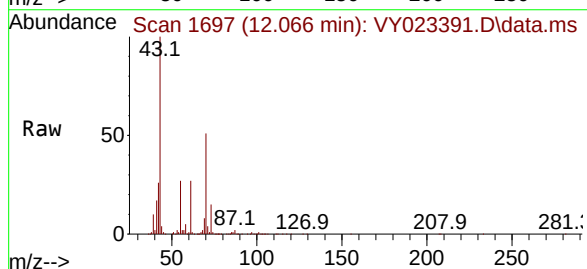
Manual Integrations  
APPROVED

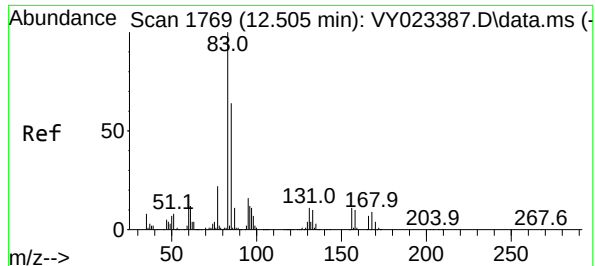
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#74  
N-ethyl acetate  
Concen: 51.087 ug/l  
RT: 12.066 min Scan# 1697  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

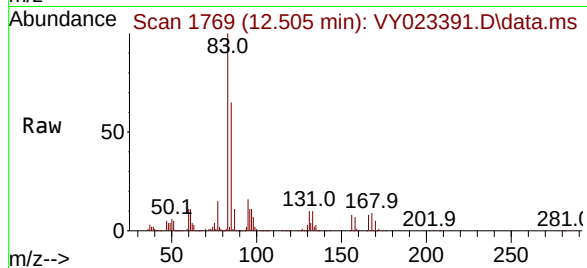
Tgt Ion: 43 Resp: 245291  
Ion Ratio Lower Upper  
43 100  
70 51.8 41.1 61.7  
55 28.3 23.0 34.6  
61 27.4 21.4 32.2





#75  
1,1,2,2-Tetrachloroethane  
Concen: 49.688 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

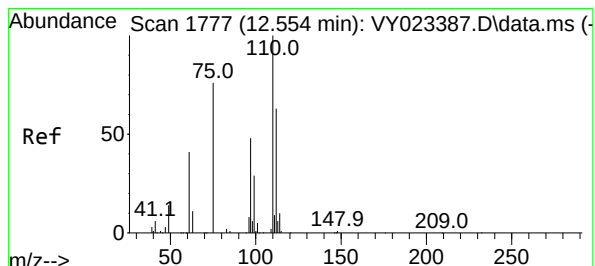
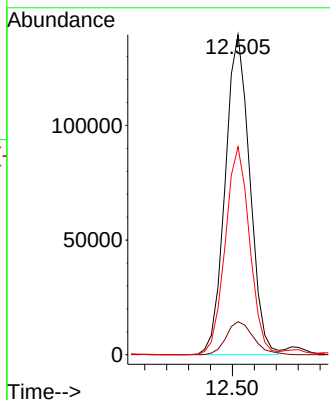
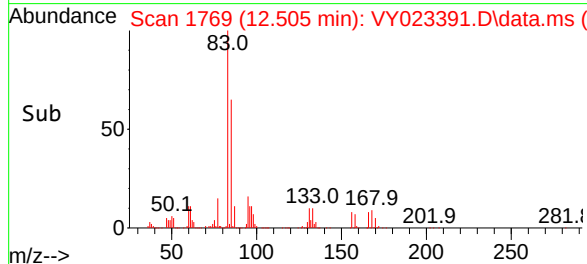
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725



Tgt Ion: 83 Resp: 217249  
Ion Ratio Lower Upper  
83 100  
131 11.4 5.9 17.6  
85 64.4 31.8 95.3

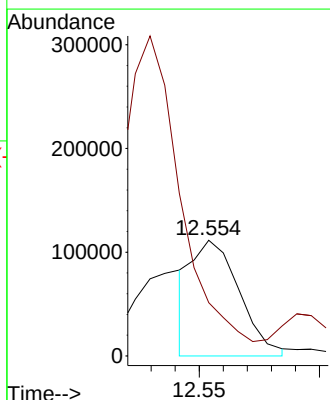
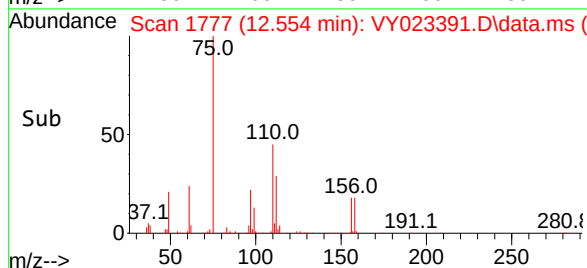
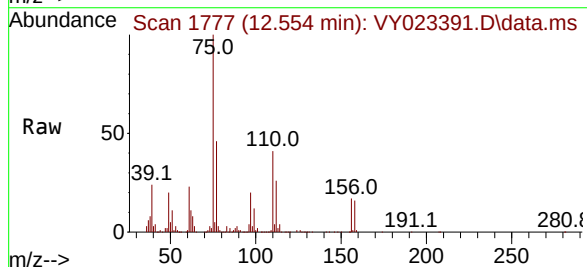
Manual Integrations  
APPROVED

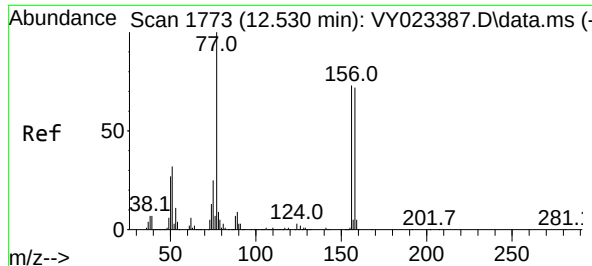
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#76  
1,2,3-Trichloropropane  
Concen: 42.874 ug/l m  
RT: 12.554 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 153438  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.590 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

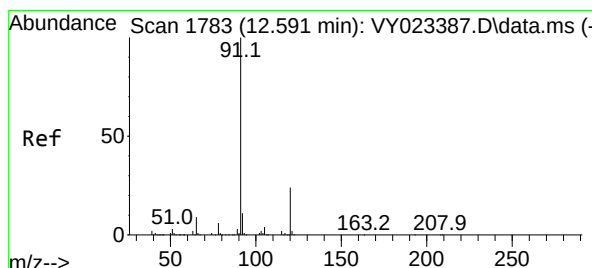
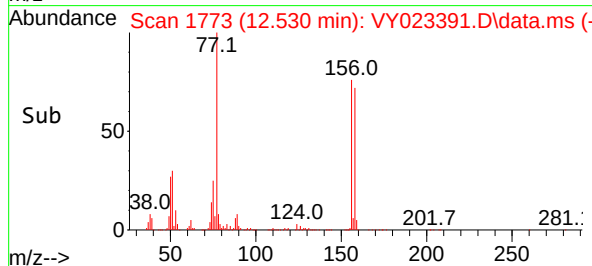
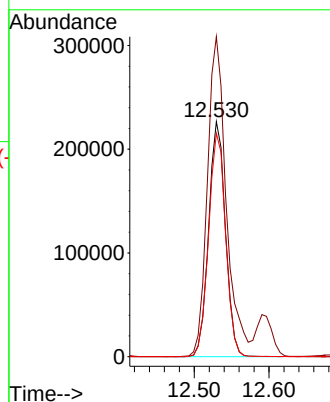
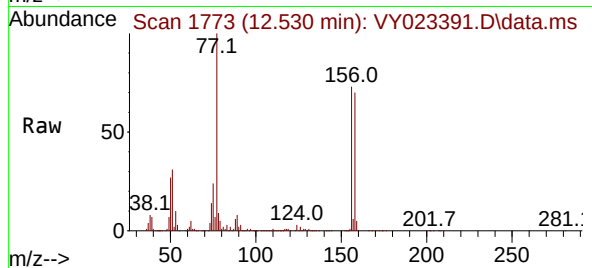
ICVVY100725

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 156   | Resp: | 352420 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 152.8 | 76.8  | 230.5  |
| 158       | 96.5  | 49.0  | 147.2  |

## Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#78

n-propylbenzene

Concen: 50.694 ug/l

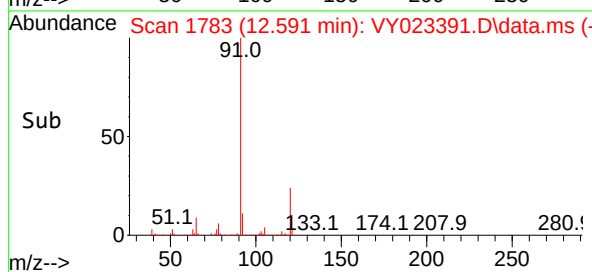
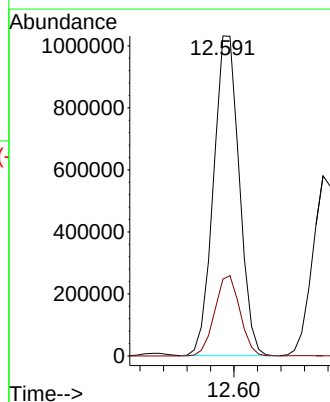
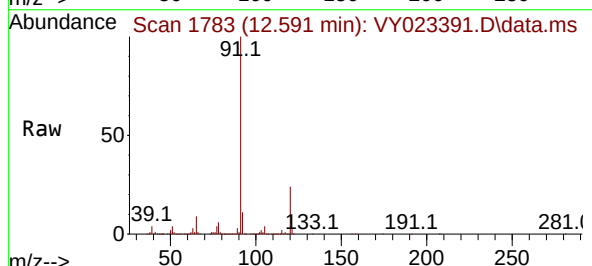
RT: 12.591 min Scan# 1783

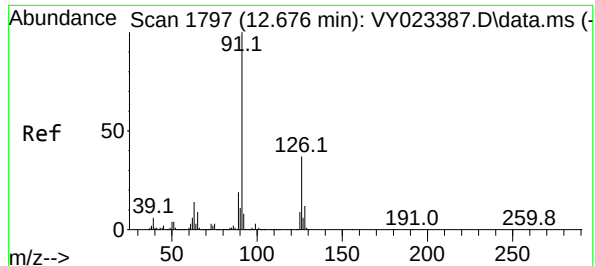
Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1568180 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 24.7  | 12.3  | 36.8    |





#79

2-Chlorotoluene

Concen: 50.047 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 91 Resp: 906610

Ion Ratio Lower Upper

91 100

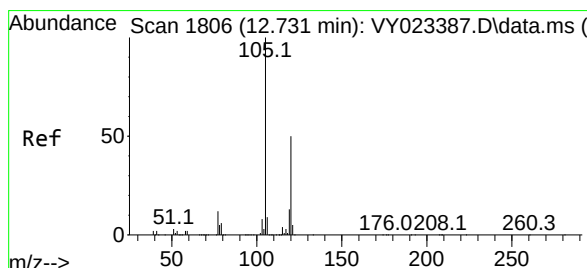
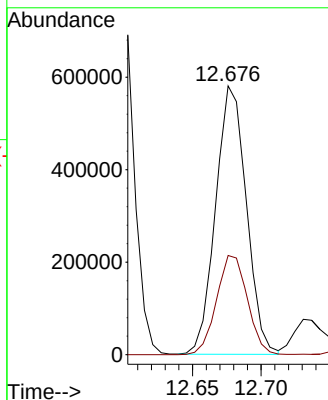
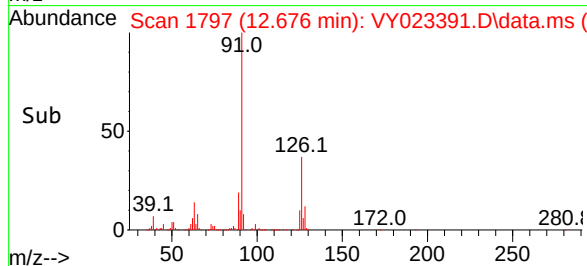
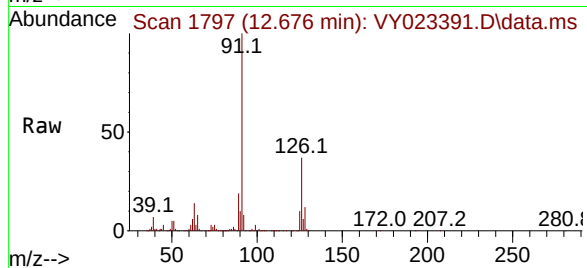
126 37.1 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 51.231 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023391.D

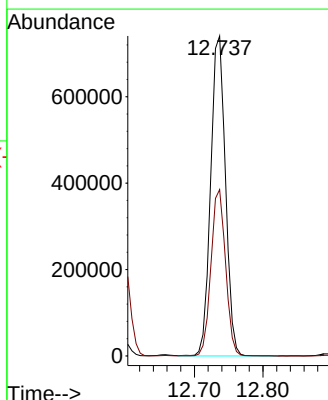
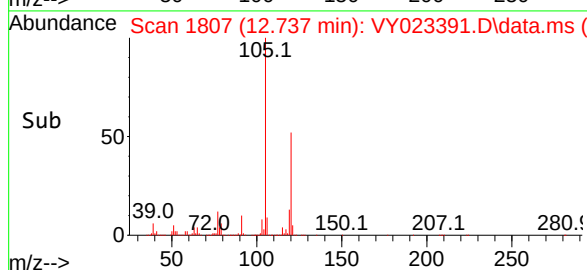
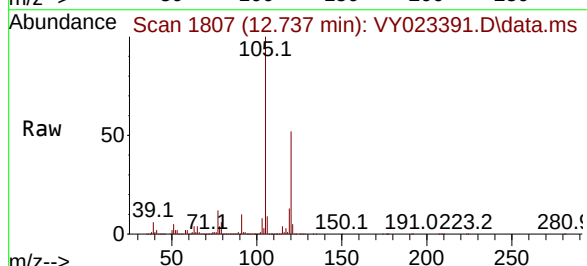
Acq: 07 Oct 2025 14:12

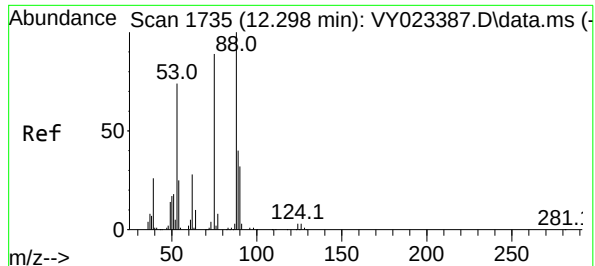
Tgt Ion:105 Resp: 1106664

Ion Ratio Lower Upper

105 100

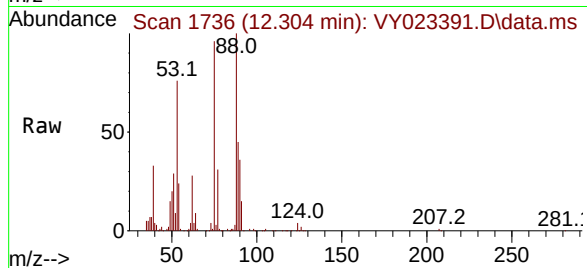
120 51.4 25.4 76.4





#81  
trans-1,4-Dichloro-2-butene  
Concen: 46.566 ug/l  
RT: 12.304 min Scan# 1735  
Delta R.T. 0.006 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

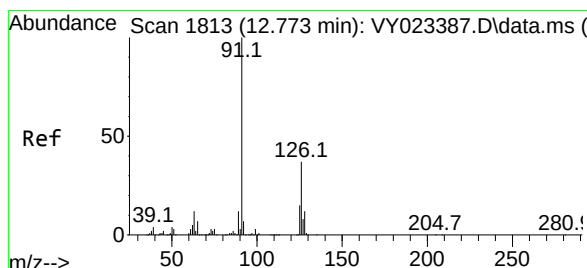
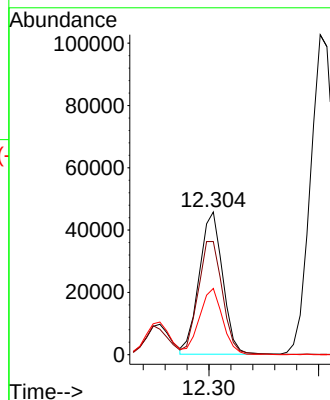
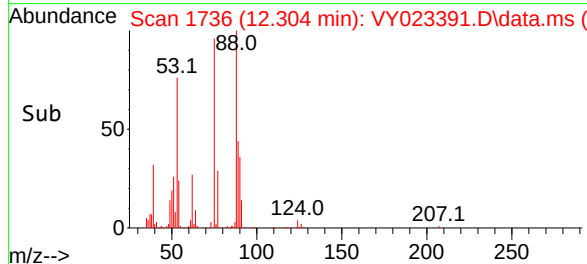
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725



Tgt Ion: 75 Resp: 67959  
Ion Ratio Lower Upper  
75 100  
53 82.6 68.6 102.8  
89 46.5 39.0 58.4

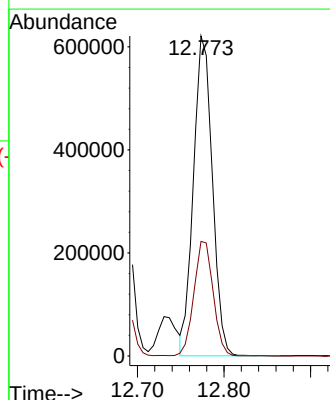
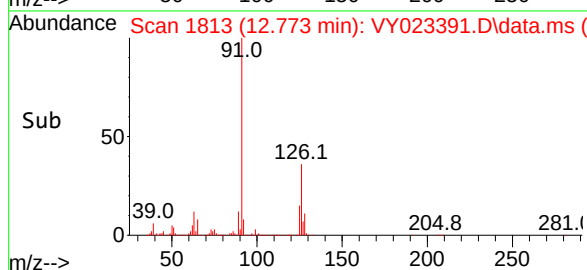
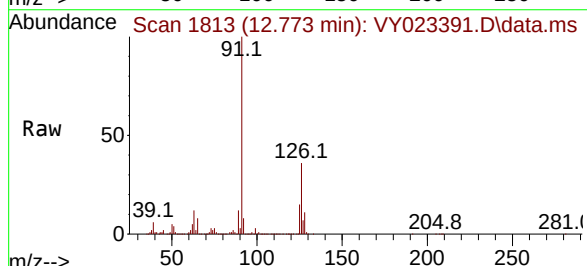
Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

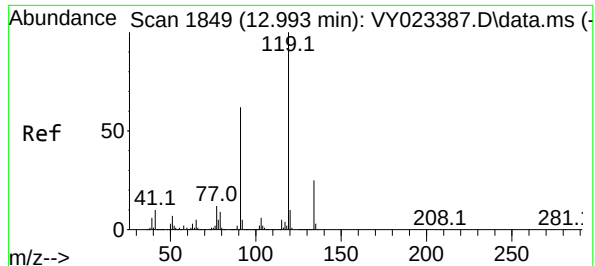


#82  
4-Chlorotoluene  
Concen: 50.455 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 941314  
Ion Ratio Lower Upper  
91 100  
126 36.7 18.4 55.4







#83

tert-Butylbenzene

Concen: 52.019 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.000 min

Lab File: VY023391.D

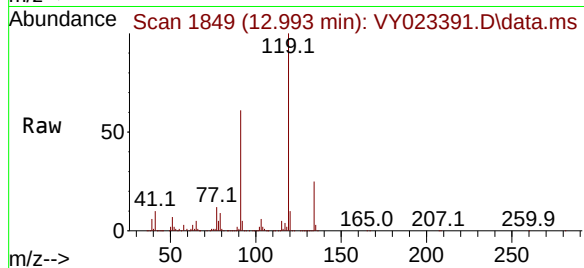
Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725



Tgt Ion:119 Resp: 1037510

Ion Ratio Lower Upper

119 100

91 59.5 29.9 89.8

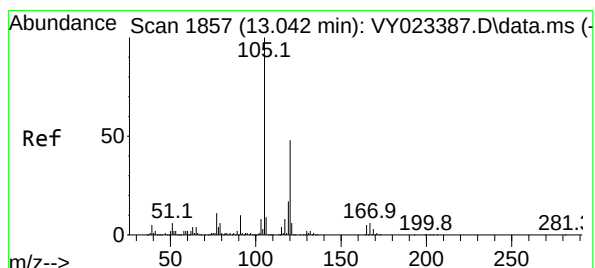
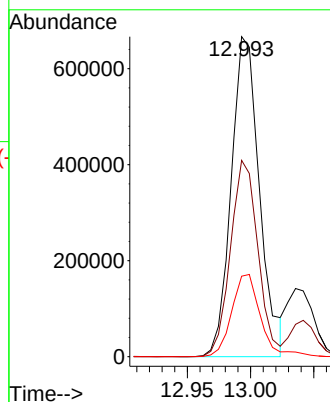
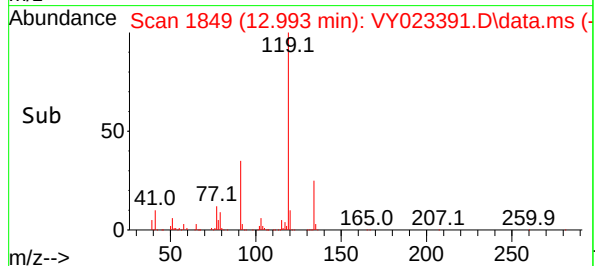
134 26.3 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#84

1,2,4-Trimethylbenzene

Concen: 51.520 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY023391.D

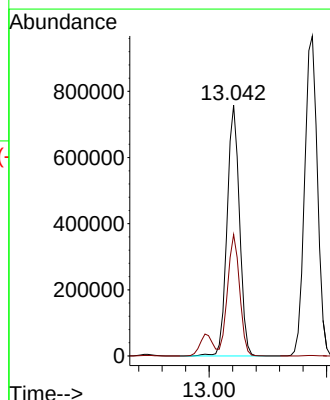
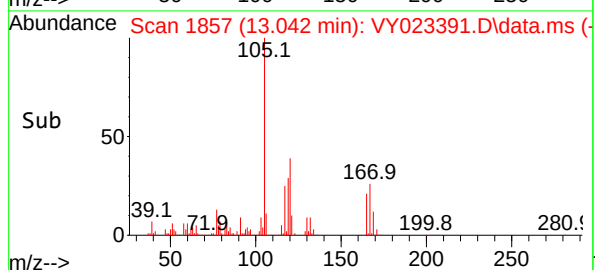
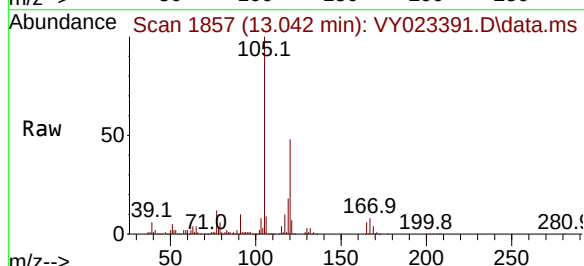
Acq: 07 Oct 2025 14:12

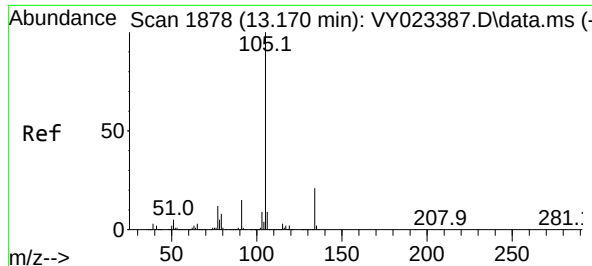
Tgt Ion:105 Resp: 1110672

Ion Ratio Lower Upper

105 100

120 47.0 23.8 71.2





#85

sec-Butylbenzene

Concen: 50.848 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVY100725

Tgt Ion:105 Resp: 1454774

Ion Ratio Lower Upper

105 100

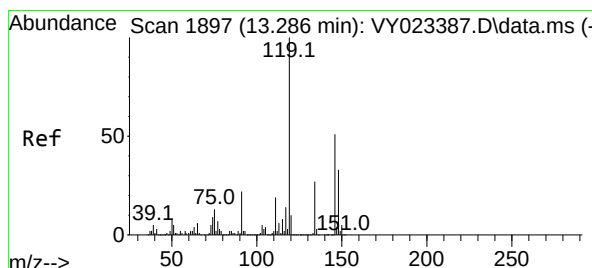
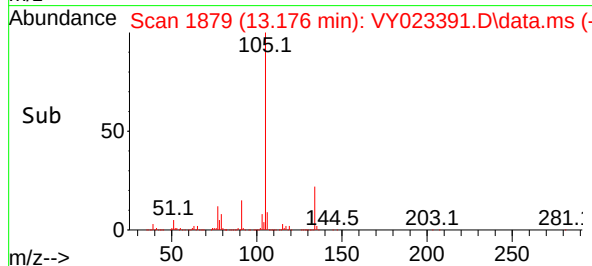
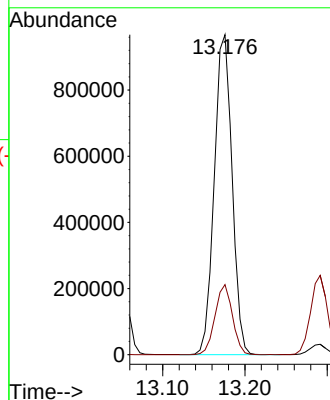
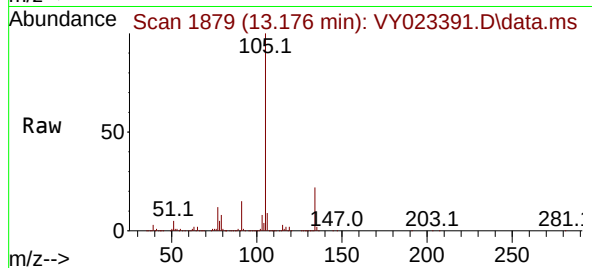
134 21.4 10.7 32.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#86

p-Isopropyltoluene

Concen: 51.864 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

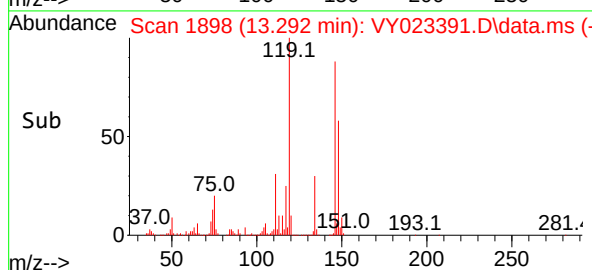
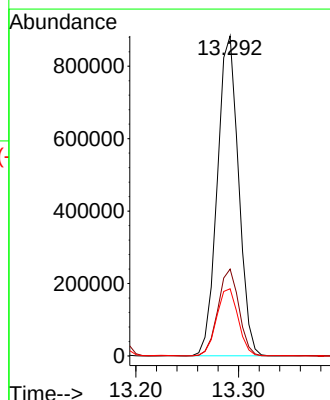
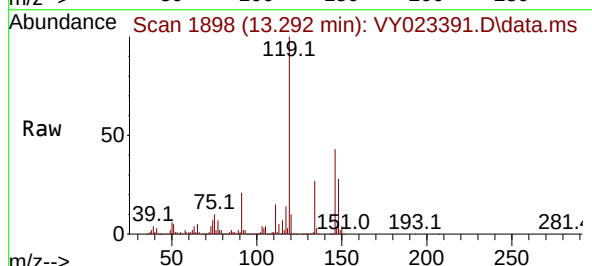
Tgt Ion:119 Resp: 1263377

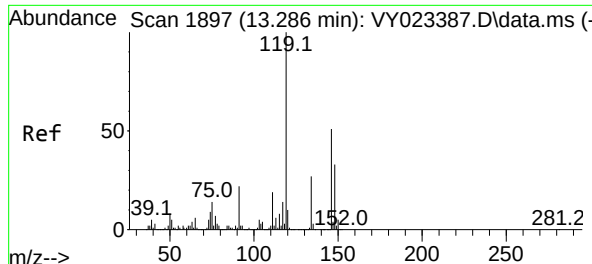
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 21.3 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 49.632 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

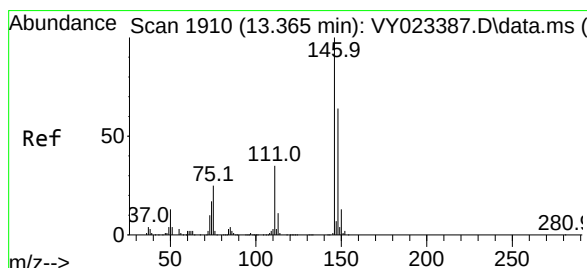
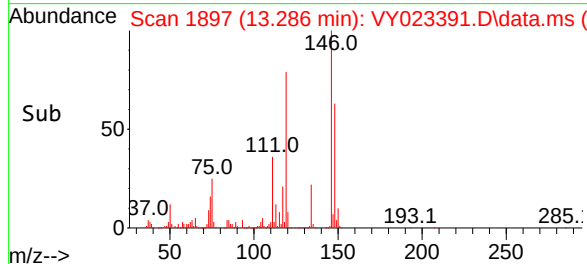
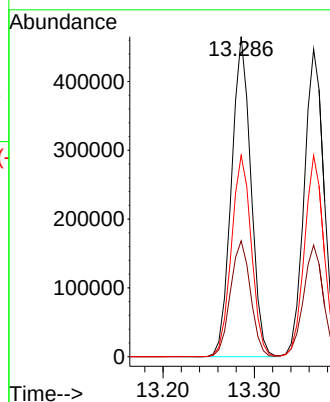
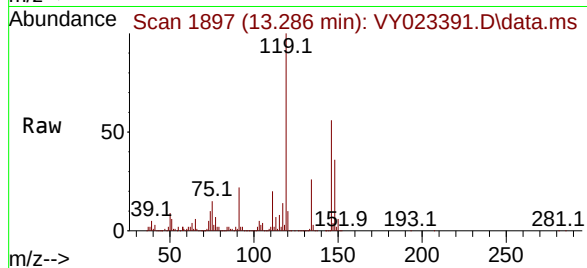
ICVY100725

|             |                |
|-------------|----------------|
| Tgt Ion:146 | Resp: 686854   |
| Ion Ratio   | Lower Upper    |
| 146         | 100            |
| 111         | 37.4 18.7 56.1 |
| 148         | 64.5 31.9 95.9 |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#88

1,4-Dichlorobenzene

Concen: 49.140 ug/l

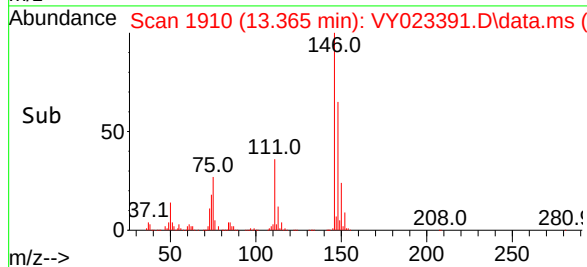
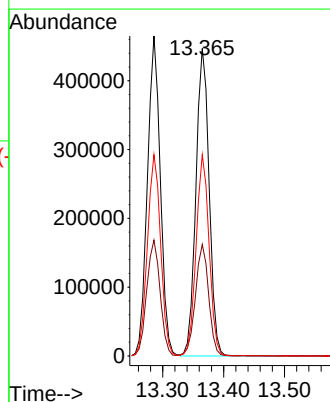
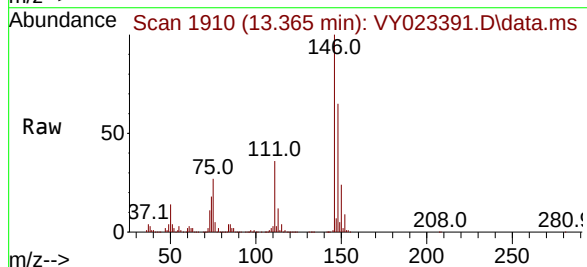
RT: 13.365 min Scan# 1910

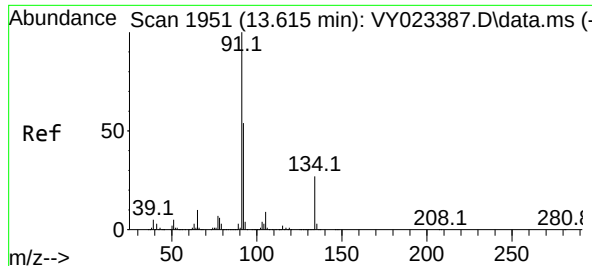
Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

|             |                |
|-------------|----------------|
| Tgt Ion:146 | Resp: 671644   |
| Ion Ratio   | Lower Upper    |
| 146         | 100            |
| 111         | 36.2 18.0 54.0 |
| 148         | 64.2 31.9 95.7 |





#89

n-Butylbenzene

Concen: 51.829 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 91 Resp: 1100080

Ion Ratio Lower Upper

91 100

92 53.4 27.0 80.8

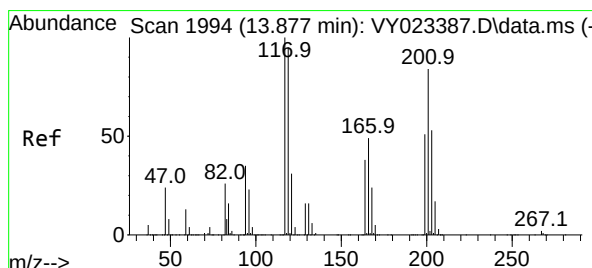
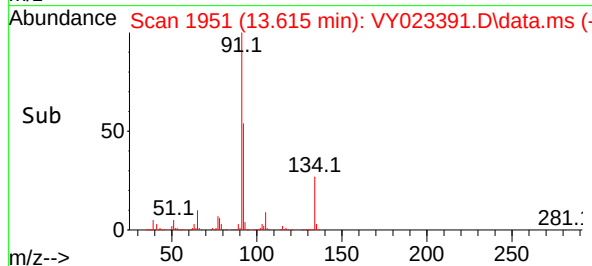
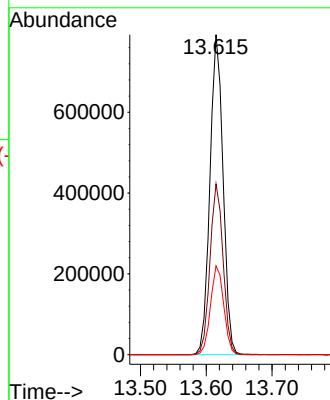
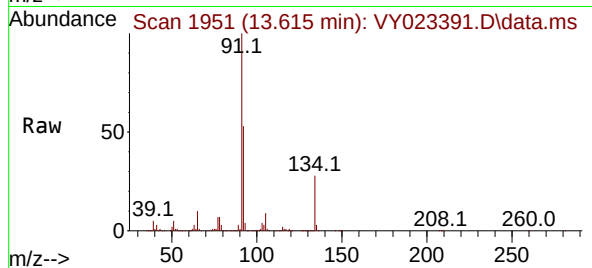
134 28.1 14.1 42.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#90

Hexachloroethane

Concen: 49.116 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VY023391.D

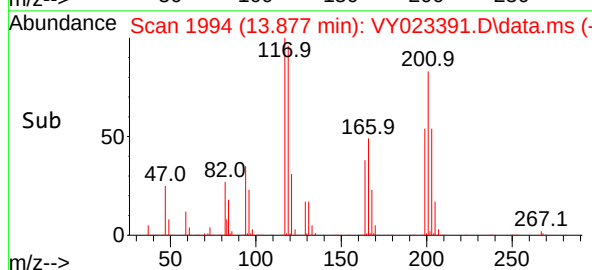
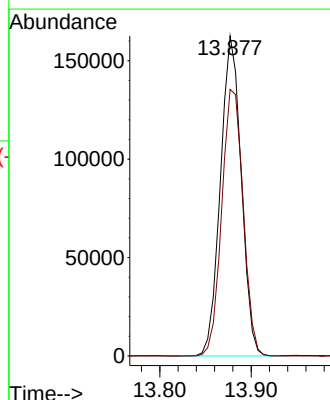
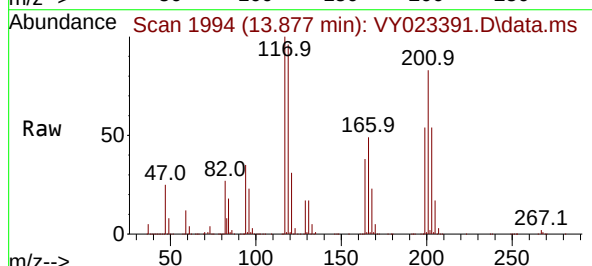
Acq: 07 Oct 2025 14:12

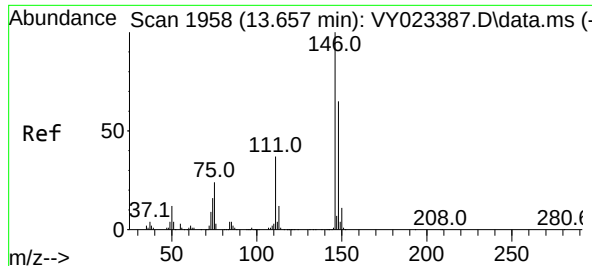
Tgt Ion:117 Resp: 257335

Ion Ratio Lower Upper

117 100

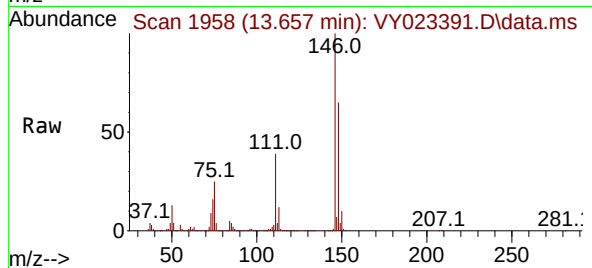
201 85.7 43.8 131.4





#91  
1,2-Dichlorobenzene  
Concen: 49.698 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

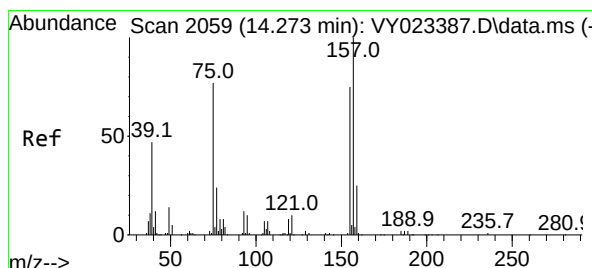
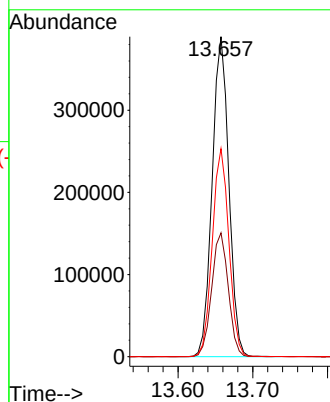
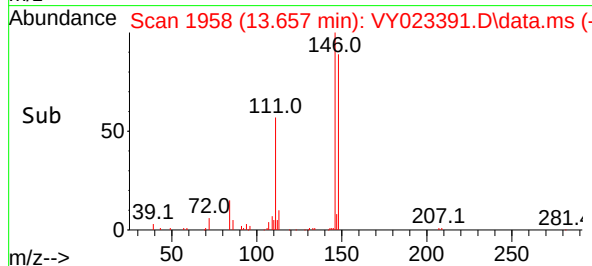
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVY100725



Tgt Ion:146 Resp: 602989  
Ion Ratio Lower Upper  
146 100  
111 38.7 19.0 57.0  
148 64.8 32.1 96.3

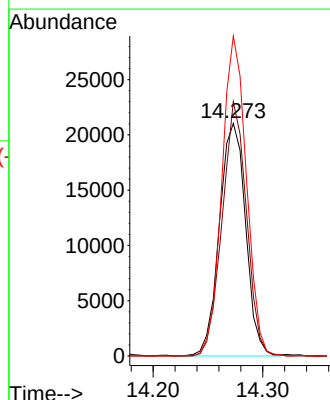
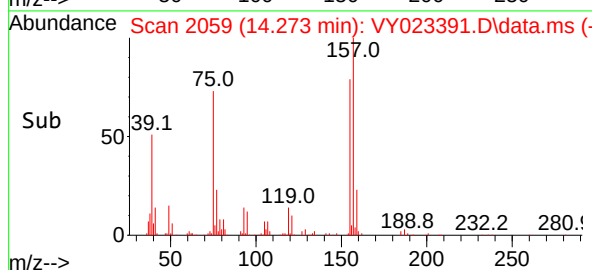
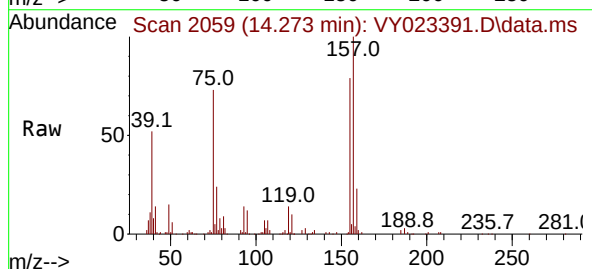
Manual Integrations  
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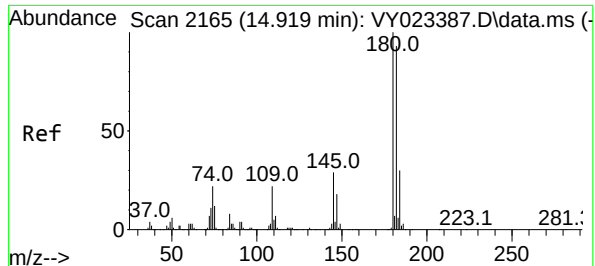
Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 48.687 ug/l  
RT: 14.273 min Scan# 2059  
Delta R.T. -0.000 min  
Lab File: VY023391.D  
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 34928  
Ion Ratio Lower Upper  
75 100  
155 101.5 50.0 150.0  
157 128.5 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 51.138 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023391.D

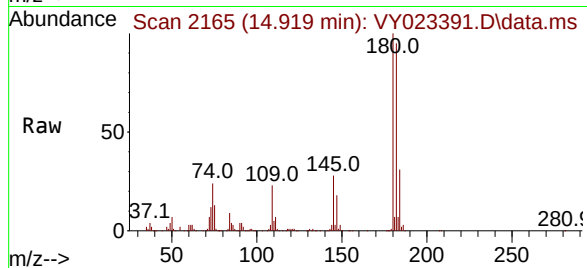
Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVVY100725

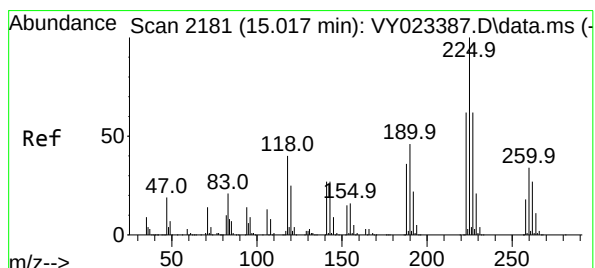
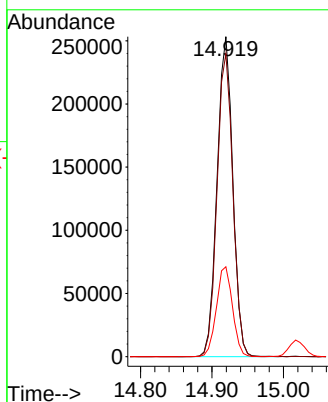
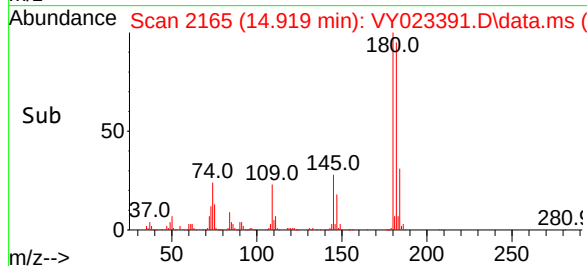


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 386800 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.5  | 47.9  | 143.6  |
| 145       | 28.8  | 14.7  | 44.1   |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



#94

Hexachlorobutadiene

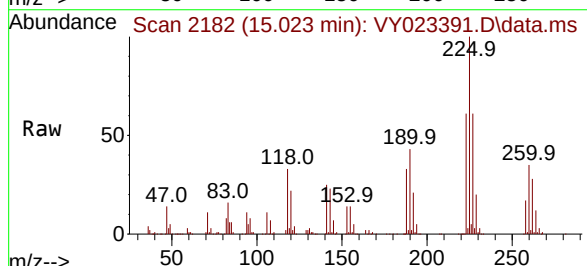
Concen: 50.061 ug/l

RT: 15.023 min Scan# 2182

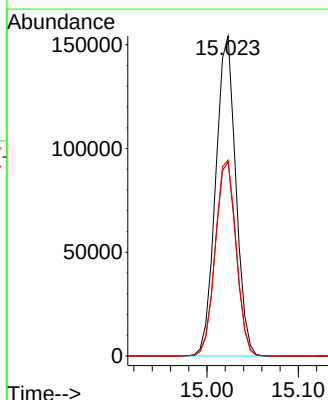
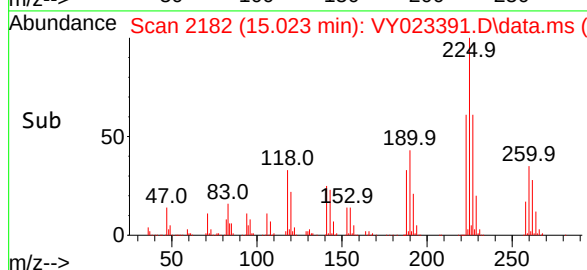
Delta R.T. 0.006 min

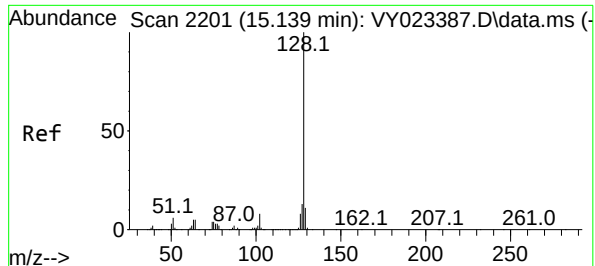
Lab File: VY023391.D

Acq: 07 Oct 2025 14:12



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 236040 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.6  | 30.8  | 92.3   |
| 227       | 63.6  | 31.9  | 95.7   |





#95

Naphthalene

Concen: 52.154 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

ICVY100725

Tgt Ion:128 Resp: 628190

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

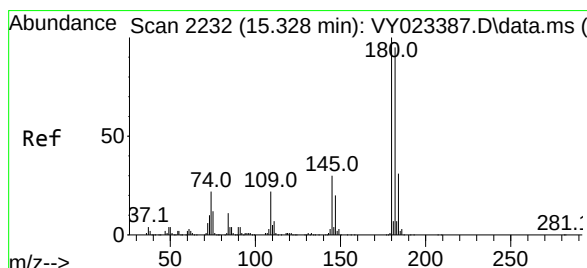
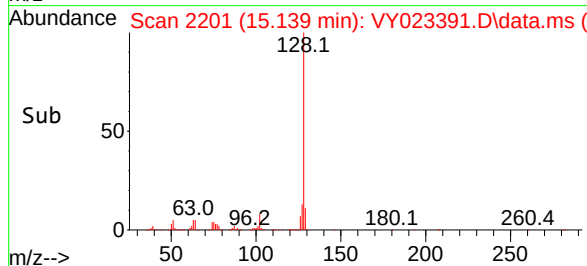
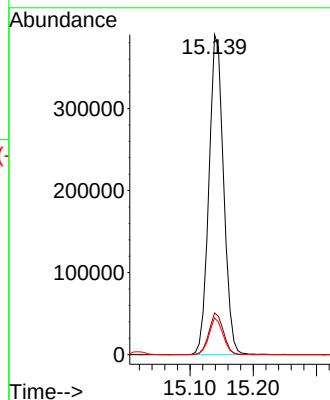
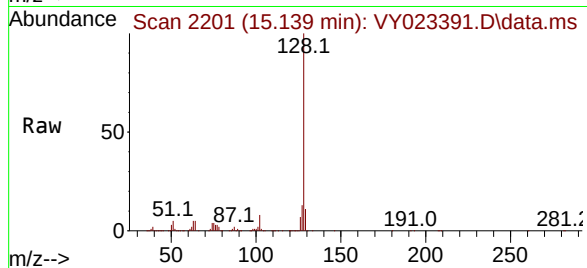
129 11.0 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#96

1,2,3-Trichlorobenzene

Concen: 51.172 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

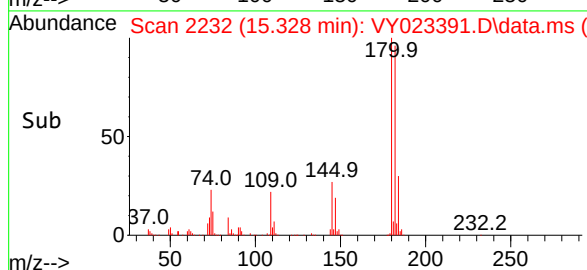
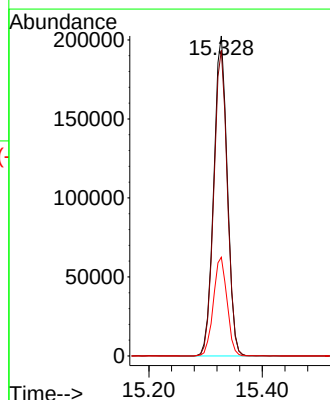
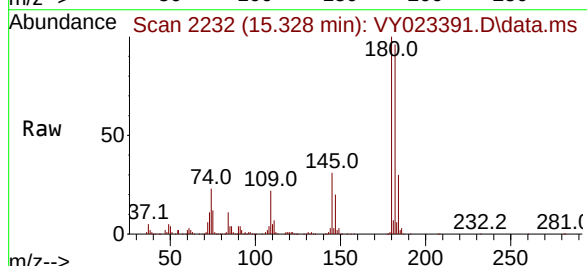
Tgt Ion:180 Resp: 335267

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.8

145 31.1 15.3 45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023391.D  
Acq On : 07 Oct 2025 14:12  
Operator : SY/MD  
Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725

Quant Time: Oct 08 05:15:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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   | 97    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.916  | 10.2  | 98    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.519  | -5.0  | 112   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.449  | 1.1#  | 103   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.856  | 2.3   | 109   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.367  | -2.7  | 105   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.582  | 2.8   | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.050  | -2.1  | 107   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.728  | 2.5   | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.875  | -3.8  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 231.079 | 7.6   | 112   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.653  | 0.7#  | 101   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 246.184 | 1.5   | 101   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.645  | -1.3  | 102   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 251.575 | -0.6  | 106   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 212.910 | 14.8  | 99    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.021  | -0.0  | 101   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.439  | -0.9  | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.230  | -4.5  | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.503  | -5.0  | 120   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.482  | -3.0  | 105   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.364  | -2.7  | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 260.981 | -4.4  | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.742  | -1.5  | 104   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 233.083 | 6.8   | 105   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.626  | 0.7   | 100   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.485  | -5.0  | 107   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 45.427  | 9.1   | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 253.317 | -1.3  | 107   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.137  | -2.3# | 104   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.416  | 5.2   | 100   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.934  | 0.1   | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.450  | 1.1   | 103   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 100   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.116  | 1.8   | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.761  | 0.5   | 102   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.740  | 0.5   | 107   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.671  | 2.7   | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.970  | 0.1   | 101   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.906  | 0.2   | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.008  | 4.0   | 105   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.318  | 1.4   | 104   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.548  | -1.1  | 108   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.120  | 1.8   | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.355  | -0.7# | 105   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.885  | -1.8  | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.450  | -0.9  | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.440  | 1.1   | 101   | 0.00     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023391.D  
Acq On : 07 Oct 2025 14:12  
Operator : SY/MD  
Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725

Quant Time: Oct 08 05:15:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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 | 1039.252 | -3.9  | 110   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.228   | 1.5   | 100   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 253.421  | -1.4  | 106   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.556   | -3.1# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.160   | -2.3  | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.649   | -3.3  | 106   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.430   | -0.9  | 106   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.385   | -6.8  | 107   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.113   | -2.2  | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 272.133  | -8.9  | 106   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 245.480  | 1.8   | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.974   | -1.9  | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.658   | -1.3  | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.881   | 0.2   | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.087   | 3.8   | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.381   | 1.2   | 105   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.537   | 0.9   | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.841   | -1.7# | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.757  | -1.8  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.577   | -3.2  | 105   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.122   | -4.2  | 105   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.070   | -0.1  | 108   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.318   | -0.6  | 103   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.087   | -2.2  | 108   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.688   | 0.6   | 111   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 42.874   | 14.3  | 90    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.590   | 0.8   | 106   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.694   | -1.4  | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.047   | -0.1  | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.231   | -2.5  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.566   | 6.9   | 103   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.455   | -0.9  | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.019   | -4.0  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.520   | -3.0  | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.848   | -1.7  | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.864   | -3.7  | 104   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.632   | 0.7   | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.140   | 1.7   | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.829   | -3.7  | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.116   | 1.8   | 105   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.698   | 0.6   | 106   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.687   | 2.6   | 107   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.138   | -2.3  | 107   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.061   | -0.1  | 104   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.154   | -4.3  | 109   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023391.D  
Acq On : 07 Oct 2025 14:12  
Operator : SY/MD  
Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725

Quant Time: Oct 08 05:15:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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 | 51.172 | -2.3 | 108   | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023391.D  
Acq On : 07 Oct 2025 14:12  
Operator : SY/MD  
Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725

Quant Time: Oct 08 05:15:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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   | 97    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.360 | 0.323 | 10.3  | 98    | 0.00     |
| 3 P   | Chloromethane               | 0.490 | 0.515 | -5.1  | 112   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.639 | 0.632 | 1.1#  | 103   | 0.00     |
| 5 T   | Bromomethane                | 0.536 | 0.524 | 2.2   | 109   | 0.00     |
| 6 T   | Chloroethane                | 0.435 | 0.447 | -2.8  | 105   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.887 | 0.862 | 2.8   | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 0.232 | 0.237 | -2.2  | 107   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.460 | 0.448 | 2.6   | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 0.512 | 0.531 | -3.7  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.031 | 0.029 | 6.5   | 112   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.446 | 0.443 | 0.7#  | 101   | 0.00     |
| 13 T  | Acrolein                    | 0.044 | 0.043 | 2.3   | 101   | 0.00     |
| 14 T  | Allyl chloride              | 0.544 | 0.551 | -1.3  | 102   | 0.00     |
| 15 T  | Acrylonitrile               | 0.089 | 0.089 | 0.0   | 106   | 0.00     |
| 16 T  | Acetone                     | 0.100 | 0.085 | 15.0  | 99    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.277 | 1.277 | 0.0   | 101   | 0.00     |
| 18 T  | Methyl Acetate              | 0.261 | 0.263 | -0.8  | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.072 | 1.120 | -4.5  | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 0.538 | 0.565 | -5.0  | 120   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.491 | 0.506 | -3.1  | 105   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.202 | 1.235 | -2.7  | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 0.651 | 0.679 | -4.3  | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.796 | 0.808 | -1.5  | 104   | 0.00     |
| 25 T  | 2-Butanone                  | 0.122 | 0.113 | 7.4   | 105   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.731 | 0.725 | 0.8   | 100   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.567 | 0.595 | -4.9  | 107   | 0.00     |
| 28 T  | Bromochloromethane          | 0.297 | 0.270 | 9.1   | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.069 | 0.070 | -1.4  | 107   | 0.00     |
| 30 C  | Chloroform                  | 0.875 | 0.895 | -2.3# | 104   | 0.00     |
| 31 T  | Cyclohexane                 | 0.696 | 0.660 | 5.2   | 100   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.795 | 0.794 | 0.1   | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.418 | 0.414 | 1.0   | 103   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.307 | 0.302 | 1.6   | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.407 | 0.405 | 0.5   | 102   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.161 | 0.160 | 0.6   | 107   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.493 | 0.480 | 2.6   | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.530 | 0.529 | 0.2   | 101   | 0.00     |
| 40 TM | Benzene                     | 1.288 | 1.286 | 0.2   | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.087 | 0.084 | 3.4   | 105   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.332 | 0.328 | 1.2   | 104   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.321 | 0.325 | -1.2  | 108   | 0.00     |
| 44 TM | Trichloroethene             | 0.377 | 0.370 | 1.9   | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.285 | 0.287 | -0.7# | 105   | 0.00     |
| 46 T  | Dibromomethane              | 0.180 | 0.183 | -1.7  | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.453 | 0.457 | -0.9  | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.151 | 0.149 | 1.3   | 101   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023391.D  
Acq On : 07 Oct 2025 14:12  
Operator : SY/MD  
Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725

Quant Time: Oct 08 05:15:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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                 | 0.002 | 0.002 | 0.0   | 110   | 0.00     |
| 50 S  | Toluene-d8                  | 1.144 | 1.126 | 1.6   | 100   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.166 | 0.168 | -1.2  | 106   | 0.00     |
| 52 CM | Toluene                     | 0.836 | 0.862 | -3.1# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.394 | 0.403 | -2.3  | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.465 | 0.480 | -3.2  | 106   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.242 | 0.244 | -0.8  | 106   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.279 | 0.298 | -6.8  | 107   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.383 | 0.392 | -2.3  | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.125 | 0.136 | -8.8  | 106   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.119 | 0.116 | 2.5   | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.339 | 0.346 | -2.1  | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.231 | 0.234 | -1.3  | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.378 | 0.377 | 0.3   | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.516 | 0.497 | 3.7   | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 1.087 | 1.074 | 1.2   | 105   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.388 | 0.384 | 1.0   | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.760 | 1.790 | -1.7# | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.706 | 0.718 | -1.7  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 0.662 | 0.683 | -3.2  | 105   | 0.00     |
| 70 T  | Styrene                     | 1.089 | 1.135 | -4.2  | 105   | 0.00     |
| 71 P  | Bromoform                   | 0.240 | 0.241 | -0.4  | 108   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.295 | 3.316 | -0.6  | 103   | 0.00     |
| 74 T  | N-amyl acetate              | 0.592 | 0.605 | -2.2  | 108   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.539 | 0.536 | 0.6   | 111   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.441 | 0.378 | 14.3  | 90    | 0.00     |
| 77 T  | Bromobenzene                | 0.876 | 0.869 | 0.8   | 106   | 0.00     |
| 78 T  | n-propylbenzene             | 3.813 | 3.866 | -1.4  | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.233 | 2.235 | -0.1  | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.663 | 2.728 | -2.4  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.180 | 0.168 | 6.7   | 103   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.300 | 2.321 | -0.9  | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.458 | 2.558 | -4.1  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.657 | 2.738 | -3.0  | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.527 | 3.586 | -1.7  | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.003 | 3.115 | -3.7  | 104   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.706 | 1.693 | 0.8   | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.685 | 1.656 | 1.7   | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.616 | 2.712 | -3.7  | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 0.646 | 0.634 | 1.9   | 105   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.496 | 1.487 | 0.6   | 106   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.088 | 0.086 | 2.3   | 107   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.932 | 0.954 | -2.4  | 107   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.581 | 0.582 | -0.2  | 104   | 0.00     |
| 95 T  | Naphthalene                 | 1.485 | 1.549 | -4.3  | 109   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023391.D  
Acq On : 07 Oct 2025 14:12  
Operator : SY/MD  
Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725

Quant Time: Oct 08 05:15:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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 | 0.808 | 0.827 | -2.4 | 108   | 0.00     |

(#) = Out of Range      SPCC's out = 0    CCC's out = 6



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

## VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                              |
|---------------------|-------------------|------------------------|------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>AECO02</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3422</u>                 |
| Instrument ID:      | <u>MSVOA_X</u>    | Calibration Date/Time: | <u>11/03/2025 09:14</u>      |
| Lab File ID:        | <u>VX048445.D</u> | Init. Calib. Date(s):  | <u>10/29/2025 10/29/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>11:12 13:03</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)             |

| COMPOUND                       | RRF   | RRF050 | MIN RRF | %D     | MAX%D |
|--------------------------------|-------|--------|---------|--------|-------|
| Dichlorodifluoromethane        | 0.510 | 0.440  |         | -13.73 | 20    |
| Chloromethane                  | 0.288 | 0.260  | 0.1     | -9.72  | 20    |
| Vinyl Chloride                 | 0.665 | 0.635  |         | -4.51  | 20    |
| Bromomethane                   | 0.240 | 0.250  |         | 4.17   | 20    |
| Chloroethane                   | 0.395 | 0.378  |         | -4.3   | 20    |
| Trichlorofluoromethane         | 1.019 | 0.953  |         | -6.48  | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.573 | 0.569  |         | -0.7   | 20    |
| 1,1-Dichloroethene             | 0.582 | 0.593  |         | 1.89   | 20    |
| Acetone                        | 0.163 | 0.156  |         | -4.29  | 20    |
| Carbon Disulfide               | 1.669 | 1.411  |         | -15.46 | 20    |
| Methyl tert-butyl Ether        | 1.864 | 1.651  |         | -11.43 | 20    |
| Methyl Acetate                 | 0.545 | 0.458  |         | -15.96 | 20    |
| Methylene Chloride             | 0.628 | 0.543  |         | -13.53 | 20    |
| trans-1,2-Dichloroethene       | 0.618 | 0.522  |         | -15.53 | 20    |
| 1,1-Dichloroethane             | 1.145 | 0.990  | 0.1     | -13.54 | 20    |
| Cyclohexane                    | 0.994 | 0.888  |         | -10.66 | 20    |
| 2-Butanone                     | 0.260 | 0.218  |         | -16.15 | 20    |
| Carbon Tetrachloride           | 0.553 | 0.609  |         | 10.13  | 20    |
| cis-1,2-Dichloroethene         | 0.738 | 0.611  |         | -17.21 | 20    |
| Bromochloromethane             | 0.519 | 0.550  |         | 5.97   | 20    |
| Chloroform                     | 1.178 | 1.091  |         | -7.39  | 20    |
| 1,1,1-Trichloroethane          | 1.040 | 1.003  |         | -3.56  | 20    |
| Methylcyclohexane              | 0.616 | 0.548  |         | -11.04 | 20    |
| Benzene                        | 1.462 | 1.691  |         | 15.66  | 20    |
| 1,2-Dichloroethane             | 0.515 | 0.594  |         | 15.34  | 20    |
| Trichloroethene                | 0.383 | 0.366  |         | -4.44  | 20    |
| 1,2-Dichloropropane            | 0.365 | 0.354  |         | -3.01  | 20    |
| Bromodichloromethane           | 0.543 | 0.581  |         | 7      | 20    |
| 4-Methyl-2-Pentanone           | 0.375 | 0.363  |         | -3.2   | 20    |
| Toluene                        | 0.914 | 0.880  |         | -3.72  | 20    |
| t-1,3-Dichloropropene          | 0.492 | 0.517  |         | 5.08   | 20    |
| cis-1,3-Dichloropropene        | 0.531 | 0.542  |         | 2.07   | 20    |
| 1,1,2-Trichloroethane          | 0.331 | 0.322  |         | -2.72  | 20    |
| 2-Hexanone                     | 0.244 | 0.235  |         | -3.69  | 20    |
| Dibromochloromethane           | 0.409 | 0.419  |         | 2.44   | 20    |
| 1,2-Dibromoethane              | 0.342 | 0.342  |         | 0      | 20    |
| Tetrachloroethene              | 0.403 | 0.374  |         | -7.2   | 20    |
| Chlorobenzene                  | 1.152 | 1.076  | 0.3     | -6.6   | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



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

## VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>AECO02</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3422</u>                        |
| Instrument ID:      | <u>MSVOA_X</u>    | Calibration Date/Time: | <u>11/03/2025</u> <u>09:14</u>      |
| Lab File ID:        | <u>VX048445.D</u> | Init. Calib. Date(s):  | <u>10/29/2025</u> <u>10/29/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>11:12</u> <u>13:03</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)                    |

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 1.940 | 1.879  |            | -3.14 | 20    |
| m/p-Xylenes                 | 0.734 | 0.704  |            | -4.09 | 20    |
| o-Xylene                    | 0.702 | 0.676  |            | -3.7  | 20    |
| Styrene                     | 1.189 | 1.172  |            | -1.43 | 20    |
| Bromoform                   | 0.283 | 0.286  | 0.1        | 1.06  | 20    |
| Isopropylbenzene            | 3.698 | 4.029  |            | 8.95  | 20    |
| 1,1,2,2-Tetrachloroethane   | 0.937 | 1.000  | 0.3        | 6.72  | 20    |
| 1,3-Dichlorobenzene         | 1.745 | 1.647  |            | -5.62 | 20    |
| 1,4-Dichlorobenzene         | 1.777 | 1.651  |            | -7.09 | 20    |
| 1,2-Dichlorobenzene         | 1.617 | 1.555  |            | -3.83 | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.183 | 0.179  |            | -2.19 | 20    |
| 1,2,4-Trichlorobenzene      | 1.116 | 1.006  |            | -9.86 | 20    |
| 1,2,3-Trichlorobenzene      | 1.013 | 0.928  |            | -8.39 | 20    |
| 1,2-Dichloroethane-d4       | 0.719 | 0.649  |            | -9.74 | 20    |
| Dibromofluoromethane        | 0.285 | 0.346  |            | 21.4  | 20    |
| Toluene-d8                  | 1.258 | 1.255  |            | -0.24 | 20    |
| 4-Bromofluorobenzene        | 0.471 | 0.531  |            | 12.74 | 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\VX110325\  
 Data File : VX048445.D  
 Acq On : 03 Nov 2025 09:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Nov 04 00:07:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
 Supervised By :mohammad ahmed 11/04/2025

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.532  | 168  | 182398   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.739  | 114  | 256609   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 229985   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.000 | 152  | 116056   | 50.000 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.928  | 65    | 118382   | 45.129   | ug/l | -0.01    |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | =    | 90.260%  |
| 35) Dibromofluoromethane  | 5.361  | 113   | 88789    | 60.689   | ug/l | -0.01    |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 121.380% |
| 50) Toluene-d8            | 8.629  | 98    | 321993   | 49.858   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | =    | 99.720%  |
| 62) 4-Bromofluorobenzene  | 11.061 | 95    | 136256   | 56.400   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | =    | 112.800% |

#### Target Compounds

|                              |       |     |         |         |        | Qvalue |
|------------------------------|-------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.173 | 85  | 80323   | 43.172  | ug/l   | 98     |
| 3) Chloromethane             | 1.301 | 50  | 47366   | 45.122  | ug/l   | 100    |
| 4) Vinyl Chloride            | 1.380 | 62  | 115770  | 47.743  | ug/l   | 98     |
| 5) Bromomethane              | 1.618 | 94  | 45510   | 51.955  | ug/l   | 98     |
| 6) Chloroethane              | 1.697 | 64  | 68875   | 47.761  | ug/l   | 97     |
| 7) Trichlorofluoromethane    | 1.892 | 101 | 173736  | 46.755  | ug/l   | 98     |
| 8) Diethyl Ether             | 2.130 | 74  | 69422   | 51.692  | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 103874  | 49.697  | ug/l   | 95     |
| 10) Methyl Iodide            | 2.453 | 142 | 335677  | 39.939  | ug/l   | 97     |
| 11) Tert butyl alcohol       | 2.934 | 59  | 41547   | 206.732 | ug/l   | 99     |
| 12) 1,1-Dichloroethene       | 2.325 | 96  | 108150  | 50.941  | ug/l   | 85     |
| 13) Acrolein                 | 2.233 | 56  | 106478  | 253.826 | ug/l   | 98     |
| 14) Allyl chloride           | 2.660 | 41  | 148787  | 41.384  | ug/l   | 93     |
| 15) Acrylonitrile            | 3.050 | 53  | 188540  | 206.221 | ug/l   | 98     |
| 16) Acetone                  | 2.368 | 43  | 141878  | 238.641 | ug/l   | 98     |
| 17) Carbon Disulfide         | 2.514 | 76  | 257433  | 42.290  | ug/l   | 100    |
| 18) Methyl Acetate           | 2.691 | 43  | 83551   | 42.019  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether  | 3.099 | 73  | 301094  | 44.288  | ug/l   | 97     |
| 20) Methylene Chloride       | 2.782 | 84  | 99078   | 43.232  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 95232   | 42.231  | ug/l   | 98     |
| 22) Diisopropyl ether        | 3.739 | 45  | 322329  | 43.800  | ug/l   | 96     |
| 23) Vinyl Acetate            | 3.703 | 43  | 1125255 | 224.625 | ug/l   | 99     |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 180483  | 43.215  | ug/l   | 99     |
| 25) 2-Butanone               | 4.532 | 43  | 198913  | 209.435 | ug/l   | 100    |
| 26) 2,2-Dichloropropane      | 4.459 | 77  | 161000  | 44.773  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene   | 4.471 | 96  | 111359  | 41.377  | ug/l   | 96     |
| 28) Bromochloromethane       | 4.873 | 49  | 100275  | 52.979  | ug/l   | 91     |
| 29) Tetrahydrofuran          | 4.977 | 42  | 145571  | 215.222 | ug/l   | 93     |
| 30) Chloroform               | 5.068 | 83  | 198984  | 46.316  | ug/l   | 99     |
| 31) Cyclohexane              | 5.452 | 56  | 161912  | 44.663  | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane    | 5.361 | 97  | 182932  | 48.232  | ug/l   | 100    |
| 36) 1,1-Dichloropropene      | 5.672 | 75  | 136164  | 55.422  | ug/l   | 99     |
| 37) Ethyl Acetate            | 4.684 | 43  | 104468  | 49.908  | ug/l # | 95     |
| 38) Carbon Tetrachloride     | 5.660 | 117 | 156186  | 55.059  | ug/l   | 99     |
| 39) Methylcyclohexane        | 7.361 | 83  | 140593  | 44.499  | ug/l   | 95     |
| 40) Benzene                  | 6.013 | 78  | 434013  | 57.824  | ug/l   | 98     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
 Data File : VX048445.D  
 Acq On : 03 Nov 2025 09:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

MSVOA\_X

## ClientSampleId :

VSTDCCC050

## Manual Integrations

## APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:07:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M

Quant Title : SW846 8260

QLast Update : Thu Oct 30 02:37:17 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.891  | 41   | 63412    | 60.144   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.062  | 62   | 152527   | 57.694   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.312  | 43   | 173495   | 50.203   | ug/l   | 99       |
| 44) Trichloroethene           | 7.104  | 130  | 93867    | 47.733   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.409  | 63   | 90739    | 48.407   | ug/l   | 99       |
| 46) Dibromomethane            | 7.562  | 93   | 68145    | 51.930   | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.799  | 83   | 149137   | 53.490   | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.671  | 41   | 86418    | 51.278   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.635  | 88   | 19570    | 1021.643 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43   | 465409   | 241.985  | ug/l   | 100      |
| 52) Toluene                   | 8.702  | 92   | 225707   | 48.125   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.958  | 75   | 132742   | 52.527   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 139107   | 51.090   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.135  | 97   | 82677    | 48.713   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 120750   | 48.587   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.287  | 76   | 143672   | 48.821   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.220  | 63   | 365937   | 247.323  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.409  | 43   | 301500   | 240.921  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.500  | 129  | 107504   | 51.215   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 87633    | 49.910   | ug/l   | 96       |
| 64) Tetrachloroethene         | 9.257  | 164  | 85963    | 46.413   | ug/l   | 94       |
| 65) Chlorobenzene             | 10.061 | 112  | 247361   | 46.686   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.140 | 131  | 90612    | 50.277   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 432029   | 48.428   | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.281 | 106  | 324026   | 95.928   | ug/l   | 99       |
| 69) o-Xylene                  | 10.622 | 106  | 155411   | 48.147   | ug/l   | 98       |
| 70) Styrene                   | 10.634 | 104  | 269453   | 49.278   | ug/l   | 99       |
| 71) Bromoform                 | 10.781 | 173  | 65717    | 50.406   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 467537   | 54.466   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.823 | 43   | 147742   | 48.246   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 116039   | 53.369   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.220 | 75   | 94762m   | 56.776   | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 119277   | 56.251   | ug/l   | 94       |
| 78) n-propylbenzene           | 11.287 | 91   | 549175   | 54.130   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.342 | 91   | 299997   | 49.249   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 349288   | 49.639   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 27304    | 56.613   | ug/l # | 58       |
| 82) 4-Chlorotoluene           | 11.433 | 91   | 341305   | 47.662   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 327090   | 45.660   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 337416   | 48.429   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 410644   | 46.005   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 358216   | 47.470   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 191099   | 47.190   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 191596   | 46.453   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.311 | 91   | 315963   | 44.596   | ug/l   | 97       |
| 90) Hexachloroethane          | 12.518 | 117  | 66425    | 50.095   | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 180428   | 48.080   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 20735    | 48.700   | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 116787   | 45.100   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 45216    | 41.627   | ug/l   | 99       |
| 95) Naphthalene               | 13.756 | 128  | 299390   | 45.778   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.939 | 180  | 107645   | 45.765   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048445.D  
Acq On : 03 Nov 2025 09:14  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:07:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

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

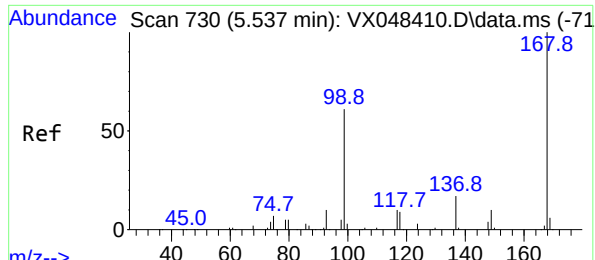
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDCCC050

## Manual Integrations APPROVED

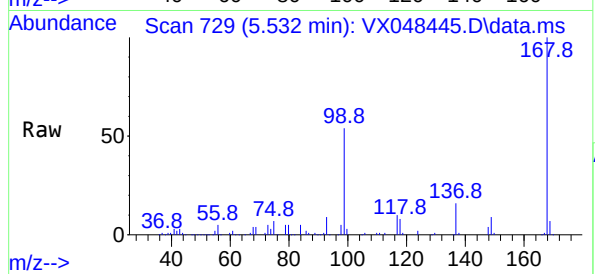
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.532 min Scan# 71  
Delta R.T. -0.005 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

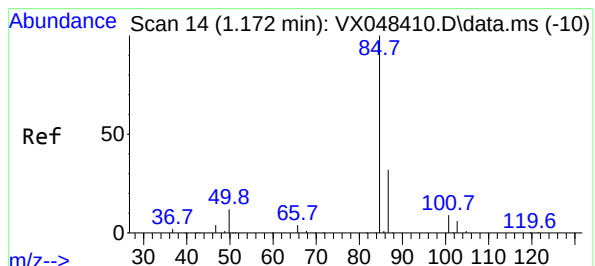
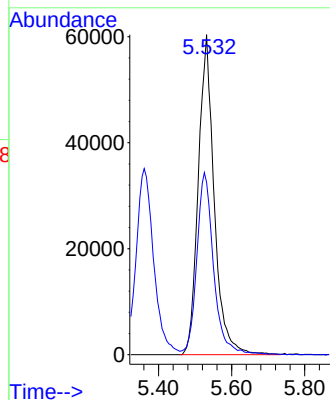
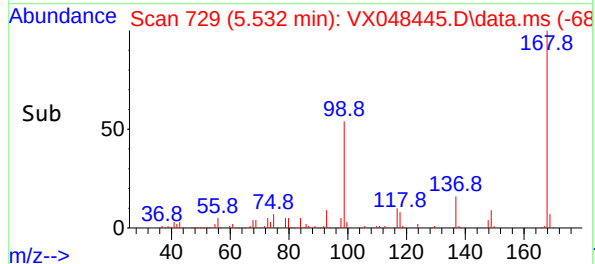
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion:168 Resp: 182398  
Ion Ratio Lower Upper  
168 100  
99 53.7 46.4 69.6

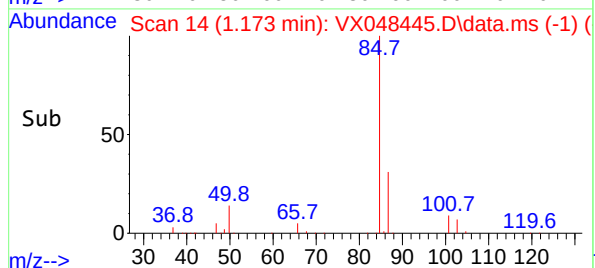
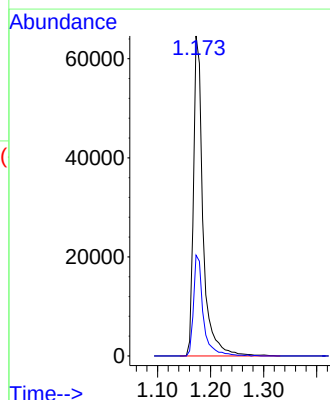
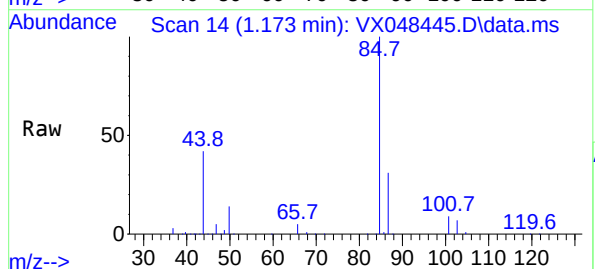
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

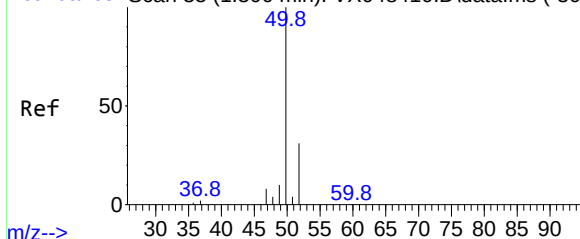


#2  
Dichlorodifluoromethane  
Concen: 43.172 ug/l  
RT: 1.173 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Tgt Ion: 85 Resp: 80323  
Ion Ratio Lower Upper  
85 100  
87 31.5 15.3 45.9



Abundance Scan 35 (1.300 min): VX048410.D\data.ms (-30)



#3

Chloromethane

Concen: 45.122 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

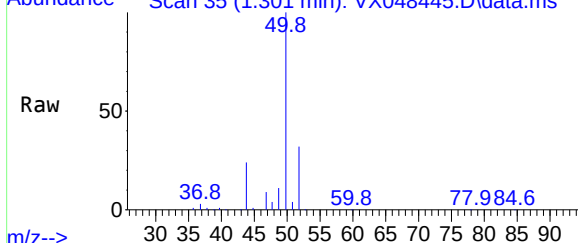
Instrument :

MSVOA\_X

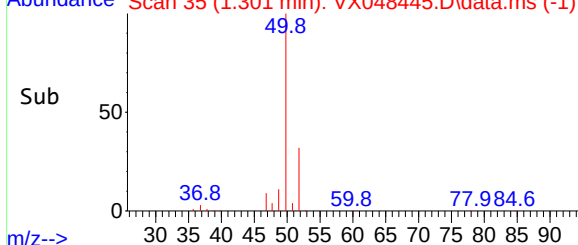
ClientSampleId :

VSTDCCC050

m/z--&gt; Abundance Scan 35 (1.301 min): VX048445.D\data.ms



m/z--&gt; Abundance Scan 35 (1.301 min): VX048445.D\data.ms (-1)



Tgt Ion: 50 Resp: 47360

Ion Ratio Lower Upper

50 100

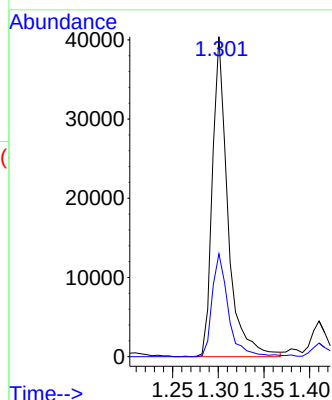
52 32.2 25.9 38.9

Manual Integrations

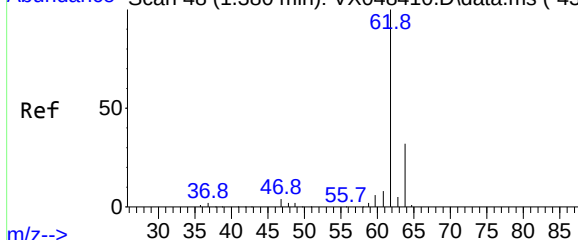
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



Abundance Scan 48 (1.380 min): VX048410.D\data.ms (-43)



#4

Vinyl Chloride

Concen: 47.743 ug/l

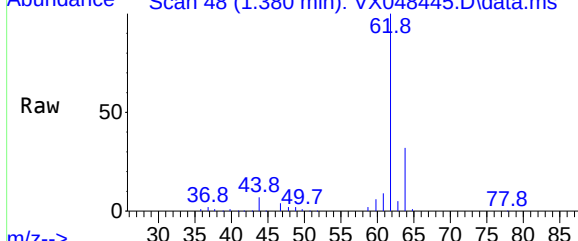
RT: 1.380 min Scan# 48

Delta R.T. 0.000 min

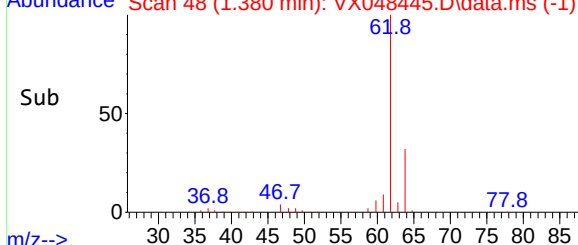
Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

m/z--&gt; Abundance Scan 48 (1.380 min): VX048445.D\data.ms



m/z--&gt; Abundance Scan 48 (1.380 min): VX048445.D\data.ms (-1)

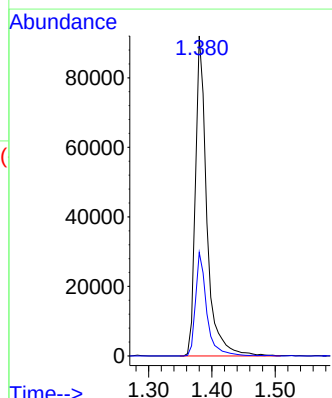


Tgt Ion: 62 Resp: 115770

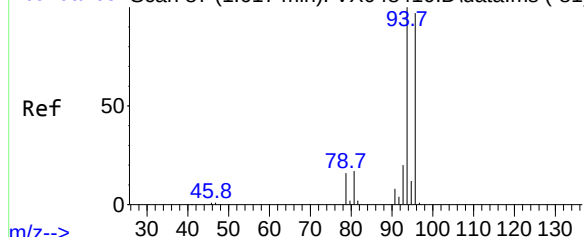
Ion Ratio Lower Upper

62 100

64 32.4 25.1 37.7



Abundance Scan 87 (1.617 min): VX048410.D\data.ms (-81)



#5

Bromomethane

Concen: 51.955 ug/l

RT: 1.618 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 45510

Ion Ratio Lower Upper

94 100

96 97.1 76.0 114.0

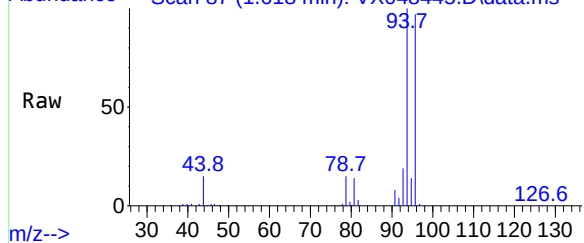
Manual Integrations

APPROVED

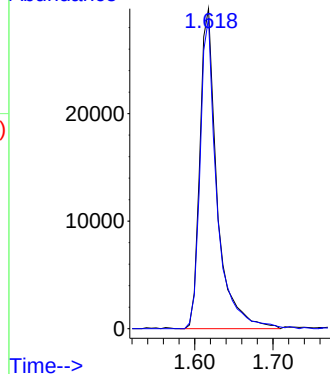
Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

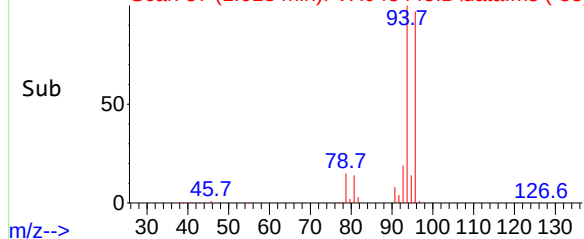
Abundance Scan 87 (1.618 min): VX048445.D\data.ms



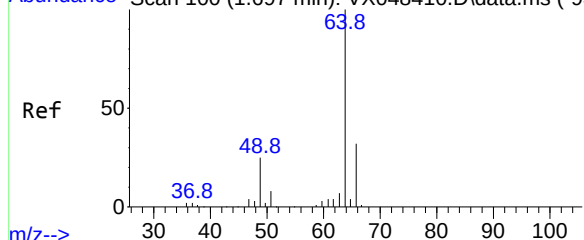
Abundance



Abundance Scan 87 (1.618 min): VX048445.D\data.ms (-38)



Abundance Scan 100 (1.697 min): VX048410.D\data.ms (-93)



#6

Chloroethane

Concen: 47.761 ug/l

RT: 1.697 min Scan# 100

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

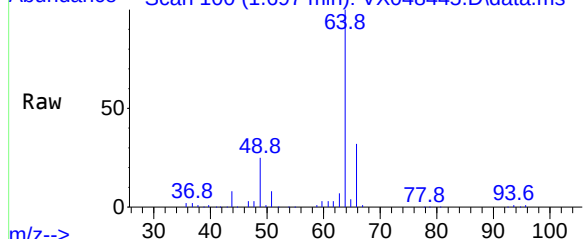
Tgt Ion: 64 Resp: 68875

Ion Ratio Lower Upper

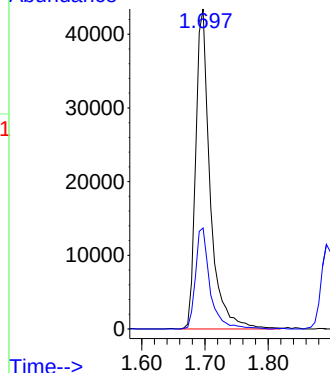
64 100

66 31.6 23.9 35.9

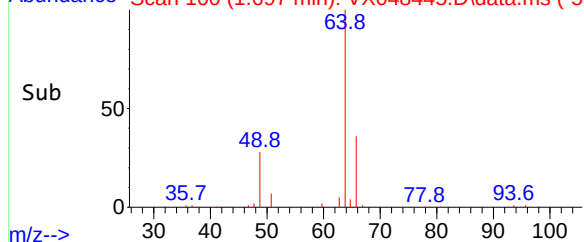
Abundance Scan 100 (1.697 min): VX048445.D\data.ms



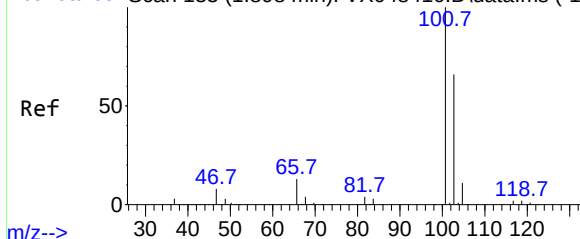
Abundance



Abundance Scan 100 (1.697 min): VX048445.D\data.ms (-51)



Abundance Scan 133 (1.898 min): VX048410.D\data.ms (-12



#7

Trichlorofluoromethane

Concen: 46.755 ug/l

RT: 1.892 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:101 Resp: 173730

Ion Ratio Lower Upper

101 100

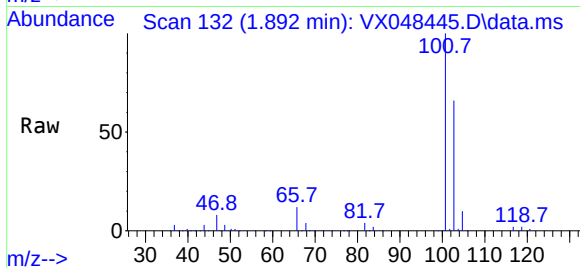
103 65.9 51.6 77.4

Manual Integrations

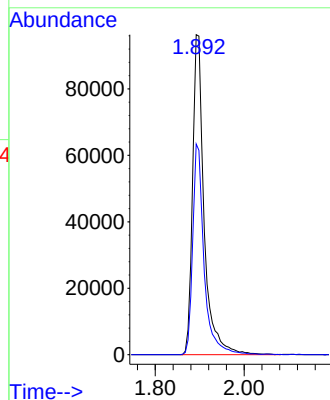
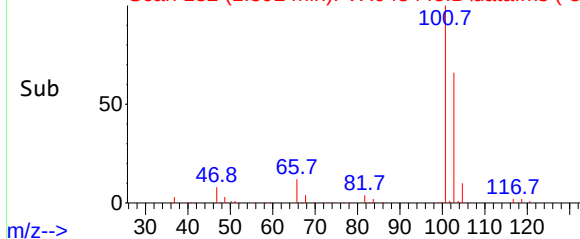
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

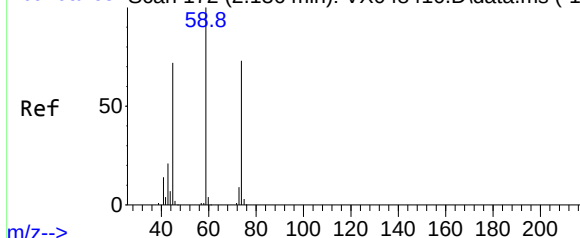
Supervised By :mohammad ahmed 11/04/2025



Abundance Scan 132 (1.892 min): VX048445.D\data.ms (-84



Abundance Scan 172 (2.136 min): VX048410.D\data.ms (-16



#8

Diethyl Ether

Concen: 51.692 ug/l

RT: 2.130 min Scan# 171

Delta R.T. -0.006 min

Lab File: VX048445.D

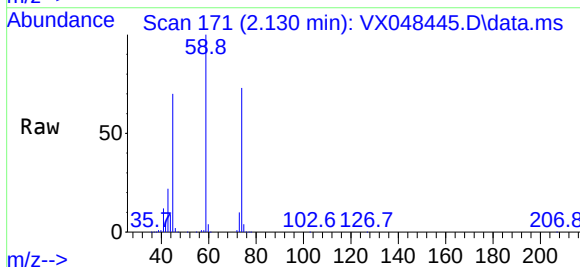
Acq: 03 Nov 2025 09:14

Tgt Ion: 74 Resp: 69422

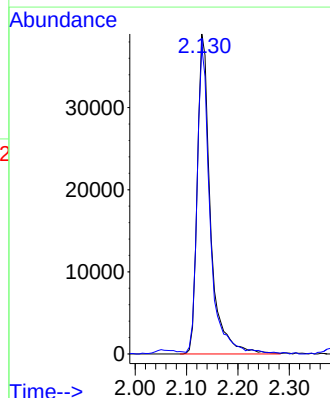
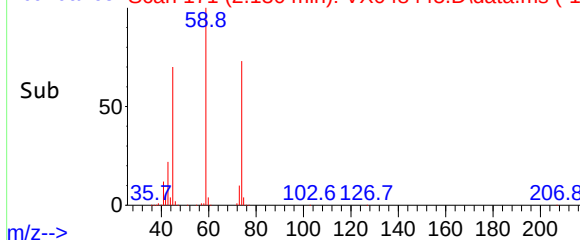
Ion Ratio Lower Upper

74 100

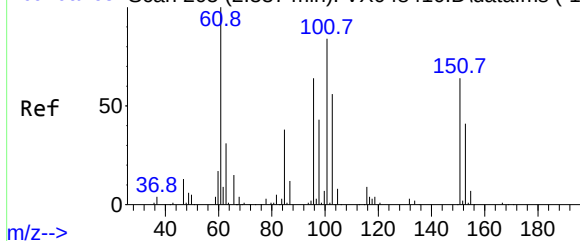
45 93.8 50.0 149.8



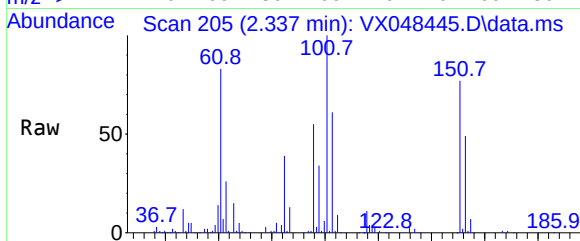
Abundance Scan 171 (2.130 min): VX048445.D\data.ms (-12



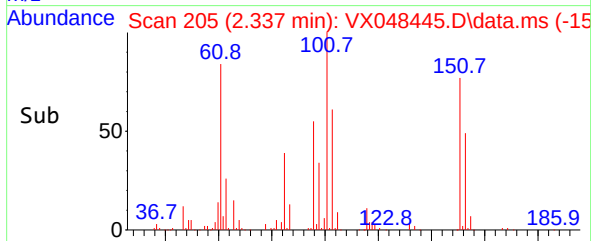
Abundance Scan 205 (2.337 min): VX048410.D\data.ms (-19



m/z--&gt;

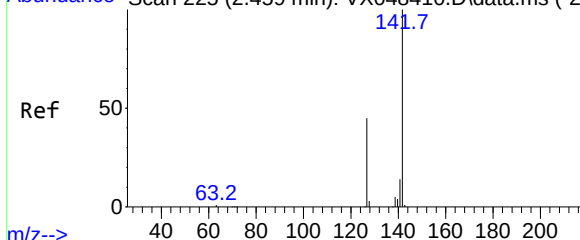


m/z--&gt;

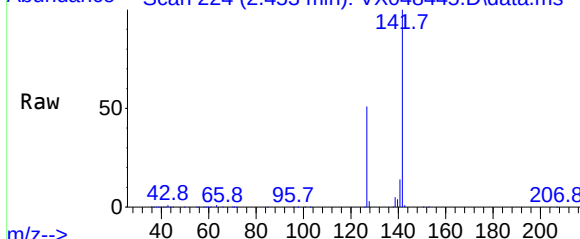


m/z--&gt;

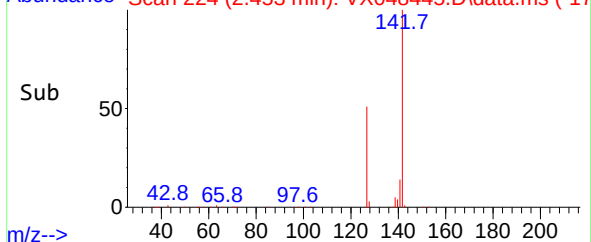
Abundance Scan 225 (2.459 min): VX048410.D\data.ms (-21



m/z--&gt;



m/z--&gt;



m/z--&gt;

#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.697 ug/l

RT: 2.337 min Scan# 205

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Tgt Ion:101 Resp: 103874

Ion Ratio Lower Upper

101 100

85 42.7 35.6 53.4

151 77.6 58.0 87.0

Instrument :

MSVOA\_X

ClientSampleId :

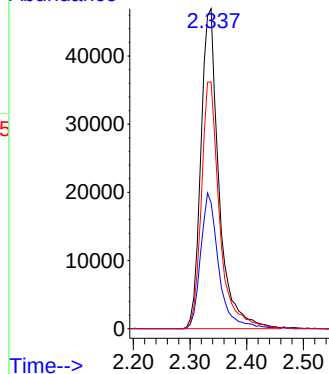
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

Abundance



Time--&gt;

#10

Methyl Iodide

Concen: 39.939 ug/l

RT: 2.453 min Scan# 224

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Tgt Ion:142 Resp: 335677

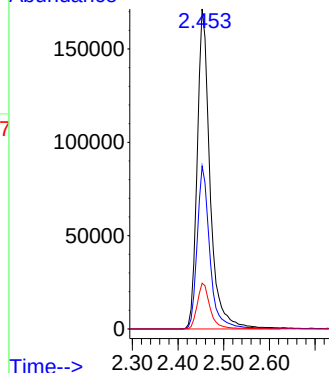
Ion Ratio Lower Upper

142 100

127 50.4 38.5 57.7

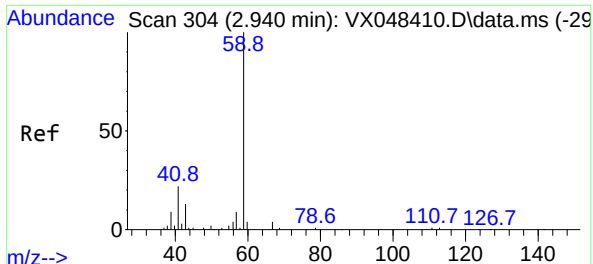
141 14.5 11.6 17.4

Abundance



Time--&gt;





#11

Tert butyl alcohol

Concen: 206.732 ug/l

RT: 2.934 min Scan# 304

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Tgt Ion: 59 Resp: 4154

Ion Ratio Lower Upper

59 100

57 10.0 8.2 12.4

Instrument :

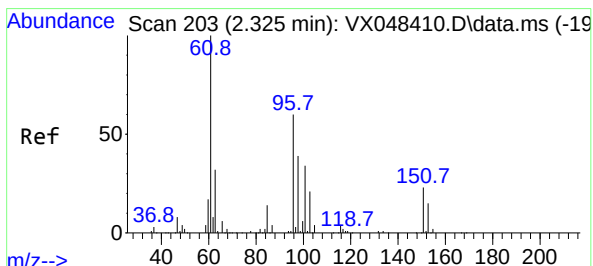
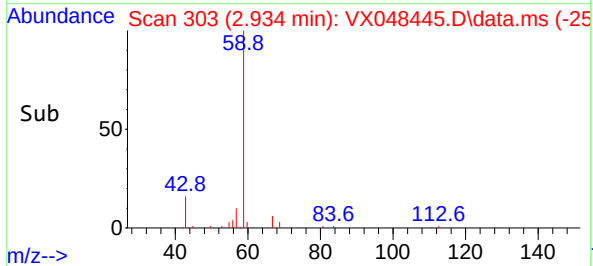
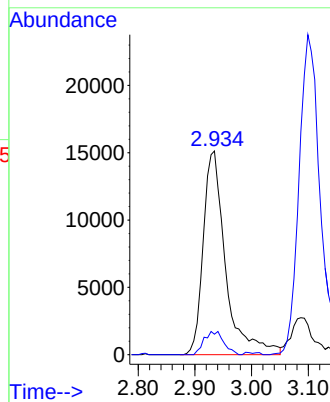
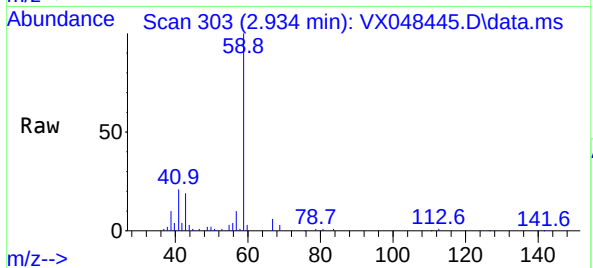
MSVOA\_X

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

#12

1,1-Dichloroethene

Concen: 50.941 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

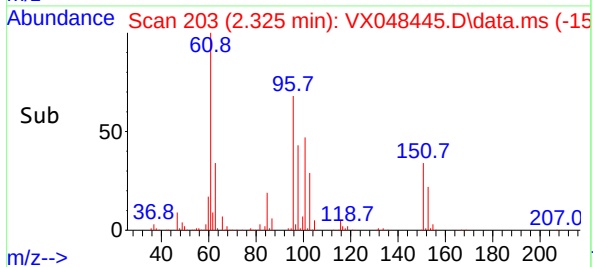
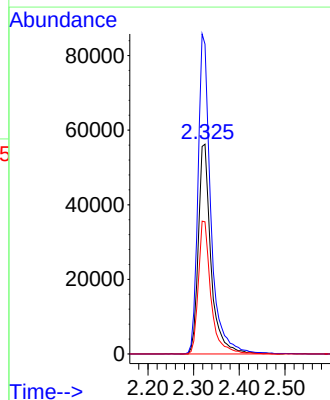
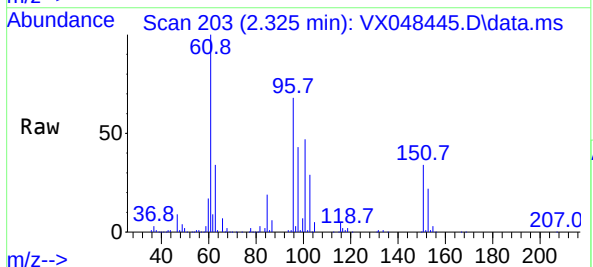
Tgt Ion: 96 Resp: 108150

Ion Ratio Lower Upper

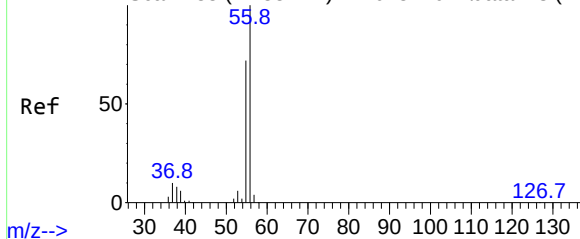
96 100

61 147.6 139.0 208.6

98 63.0 52.4 78.6



Abundance Scan 188 (2.233 min): VX048410.D\data.ms (-18



#13

Acrolein

Concen: 253.826 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 106478

Ion Ratio Lower Upper

56 100

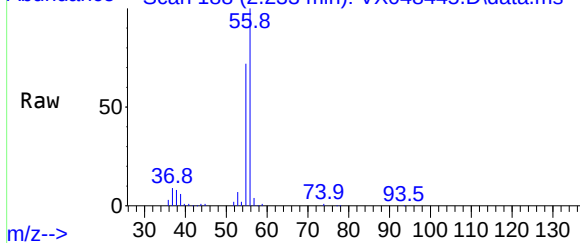
55 71.8 56.1 84.1

Manual Integrations

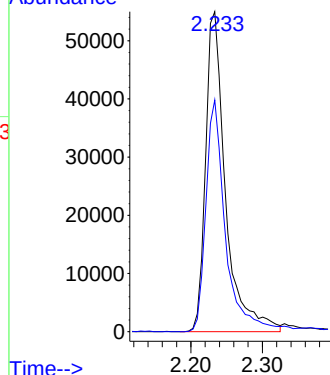
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

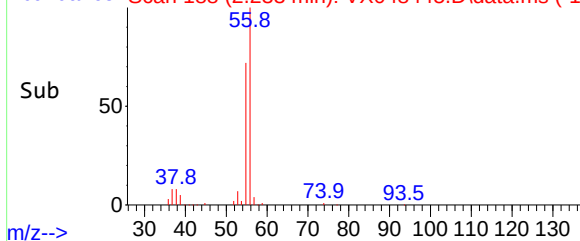
Abundance Scan 188 (2.233 min): VX048445.D\data.ms



Abundance

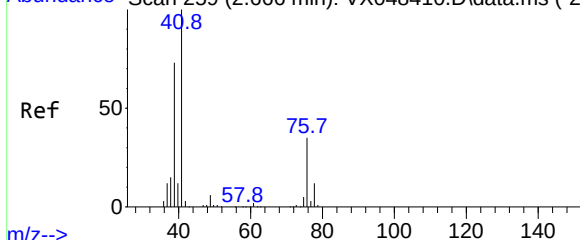


Abundance Scan 188 (2.233 min): VX048445.D\data.ms (-13



Time--&gt;

Abundance Scan 259 (2.666 min): VX048410.D\data.ms (-24



#14

Allyl chloride

Concen: 41.384 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Tgt Ion: 41 Resp: 148787

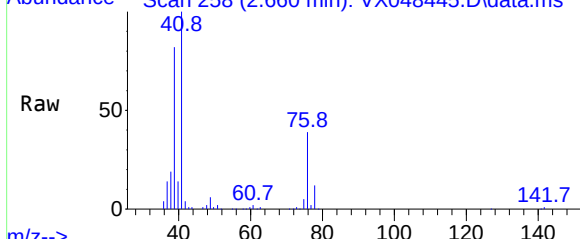
Ion Ratio Lower Upper

41 100

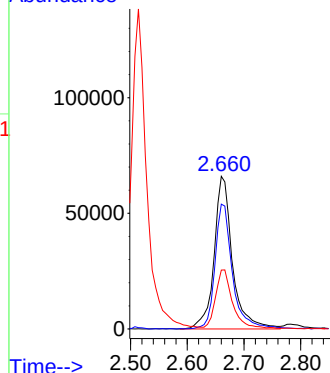
39 77.9 56.0 84.0

76 35.0 27.5 41.3

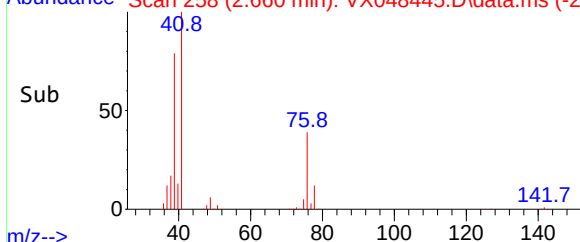
Abundance Scan 258 (2.660 min): VX048445.D\data.ms



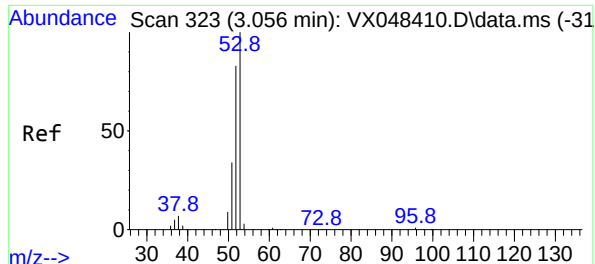
Abundance



Abundance Scan 258 (2.660 min): VX048445.D\data.ms (-21



Time--&gt;



#15

Acrylonitrile

Concen: 206.221 ug/l

RT: 3.050 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 188540

Ion Ratio Lower Upper

53 100

52 83.9 66.1 99.1

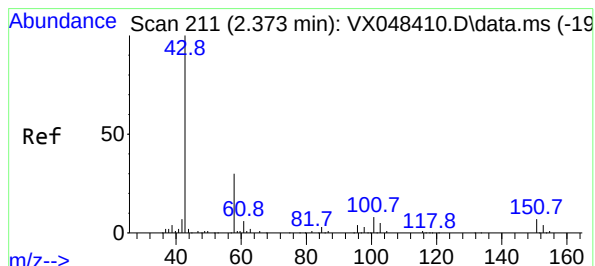
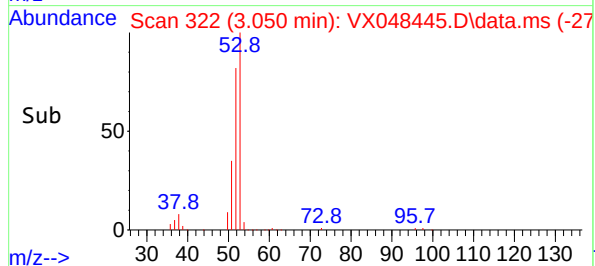
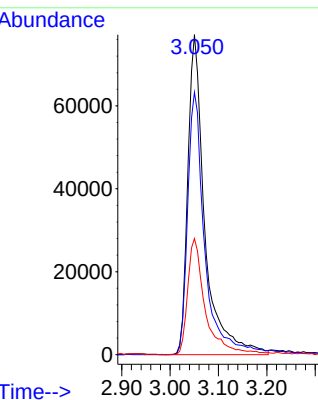
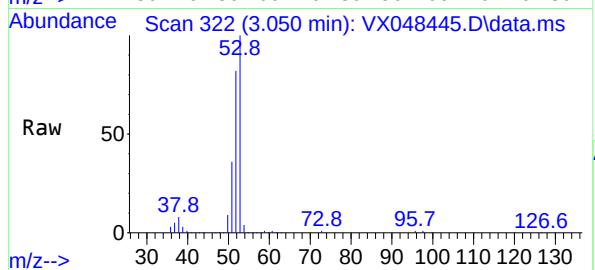
51 37.9 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#16

Acetone

Concen: 238.641 ug/l

RT: 2.368 min Scan# 210

Delta R.T. -0.006 min

Lab File: VX048445.D

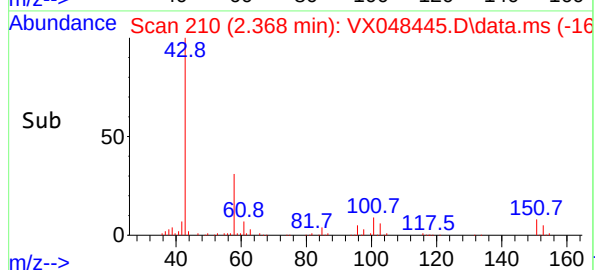
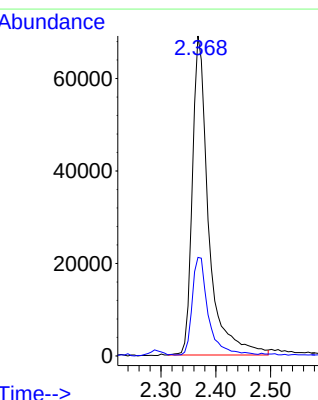
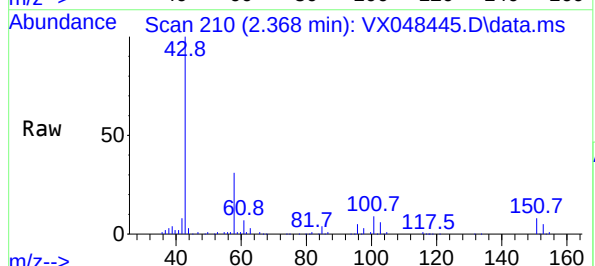
Acq: 03 Nov 2025 09:14

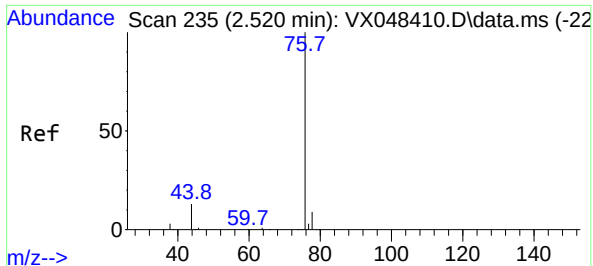
Tgt Ion: 43 Resp: 141878

Ion Ratio Lower Upper

43 100

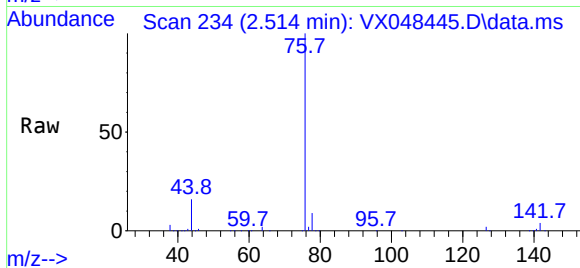
58 30.5 23.4 35.2





#17  
Carbon Disulfide  
Concen: 42.290 ug/l  
RT: 2.514 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

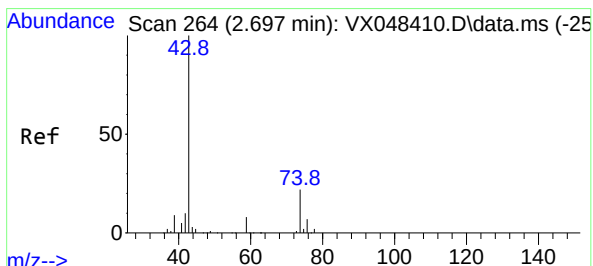
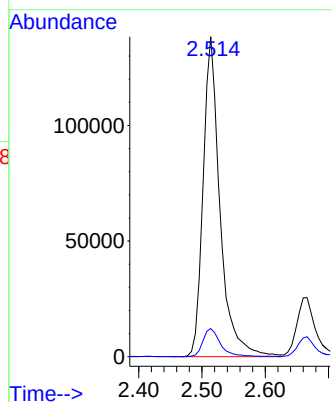
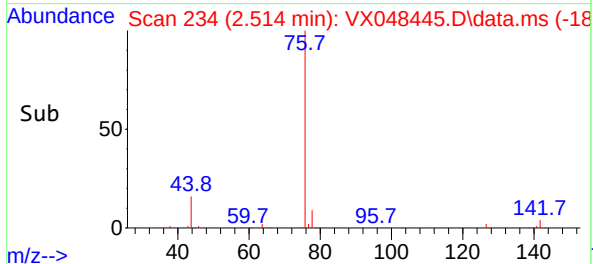
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



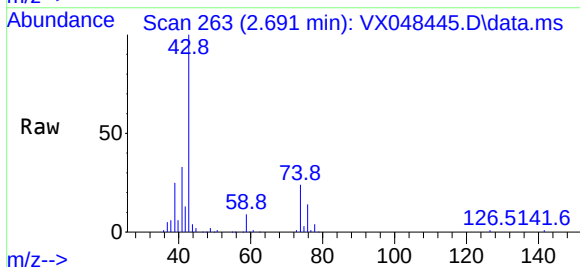
Tgt Ion: 76 Resp: 25743  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.1 10.7

Manual Integrations  
APPROVED

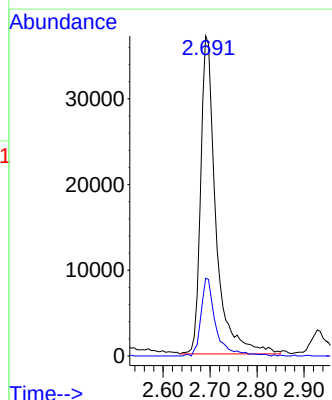
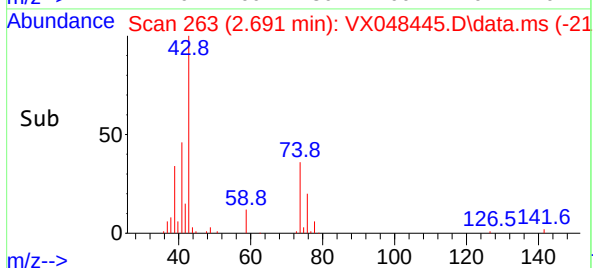
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



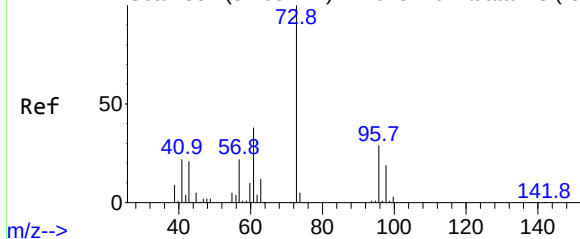
#18  
Methyl Acetate  
Concen: 42.019 ug/l  
RT: 2.691 min Scan# 263  
Delta R.T. -0.006 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14



Tgt Ion: 43 Resp: 83551  
Ion Ratio Lower Upper  
43 100  
74 23.8 17.5 26.3



Abundance Scan 331 (3.105 min): VX048410.D\data.ms (-32



#19

Methyl tert-butyl Ether

Concen: 44.288 ug/l

RT: 3.099 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 301094

Ion Ratio Lower Upper

73 100

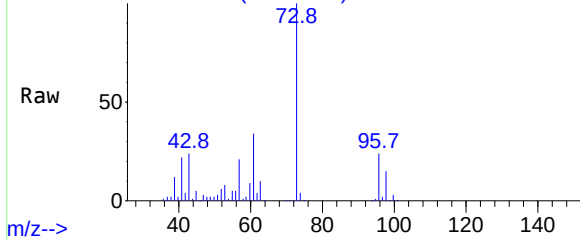
57 20.7 17.7 26.5

Manual Integrations

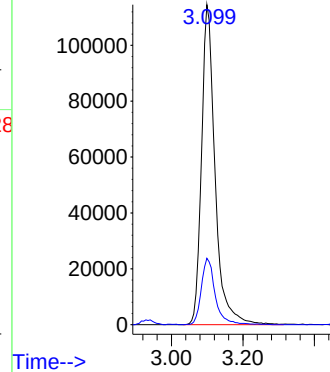
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

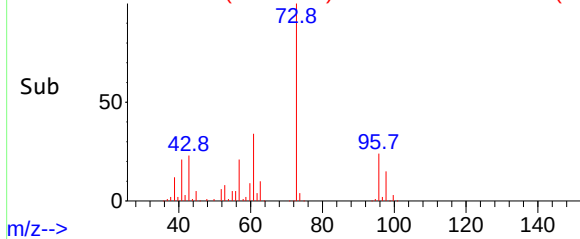
Abundance Scan 330 (3.099 min): VX048445.D\data.ms



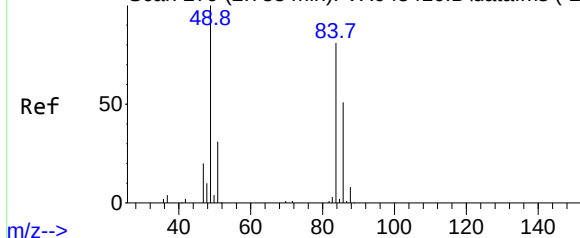
Abundance



Abundance Scan 330 (3.099 min): VX048445.D\data.ms (-28



Abundance Scan 279 (2.788 min): VX048410.D\data.ms (-27



#20

Methylene Chloride

Concen: 43.232 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Tgt Ion: 84 Resp: 99078

Ion Ratio Lower Upper

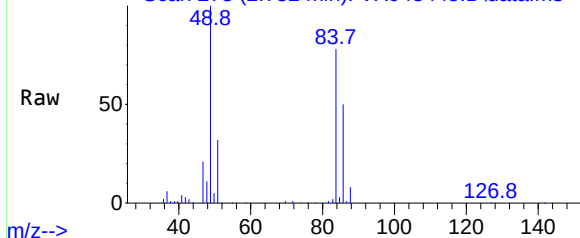
84 100

49 128.2 104.1 156.1

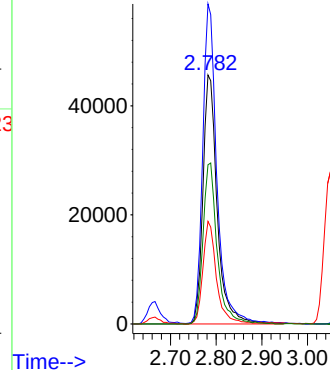
51 41.1 31.3 46.9

86 64.0 51.3 76.9

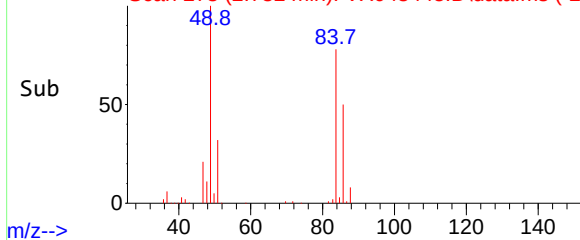
Abundance Scan 278 (2.782 min): VX048445.D\data.ms



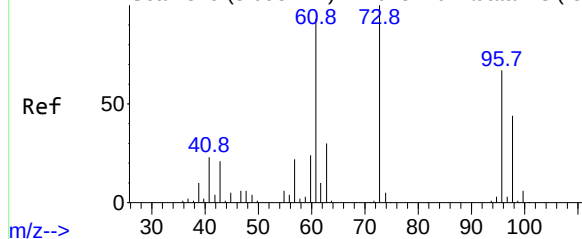
Abundance



Abundance Scan 278 (2.782 min): VX048445.D\data.ms (-23



Abundance Scan 329 (3.093 min): VX048410.D\data.ms (-32



#21  
trans-1,2-Dichloroethene  
Concen: 42.231 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

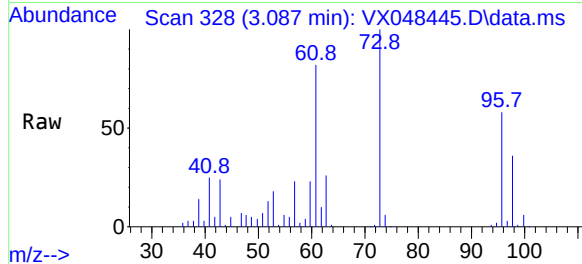
Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

m/z--&gt; Abundance Scan 328 (3.087 min): VX048445.D\data.ms

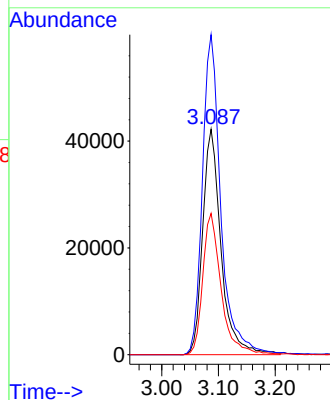
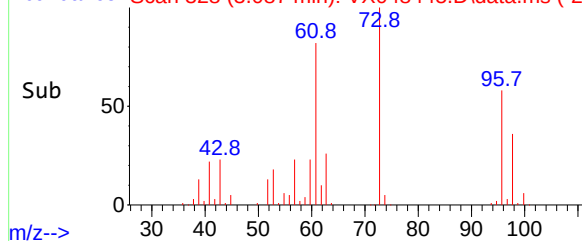


Tgt Ion: 96 Resp: 9523  
Ion Ratio Lower Upper  
96 100  
61 141.9 111.9 167.9  
98 62.7 51.2 76.8

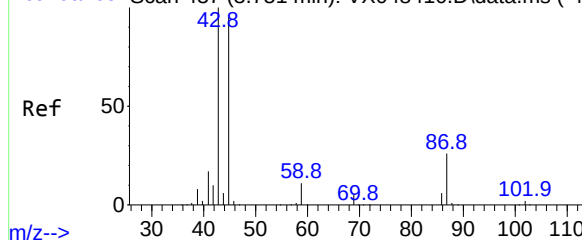
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

Abundance Scan 328 (3.087 min): VX048445.D\data.ms (-28



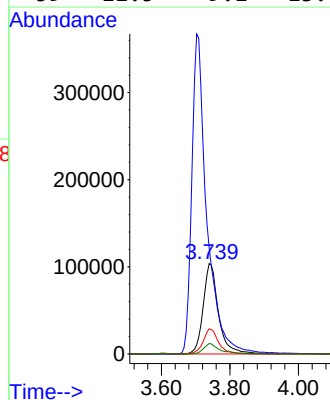
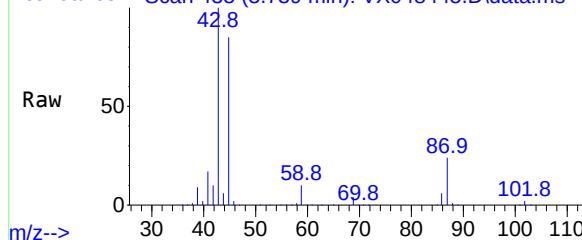
Abundance Scan 437 (3.751 min): VX048410.D\data.ms (-42



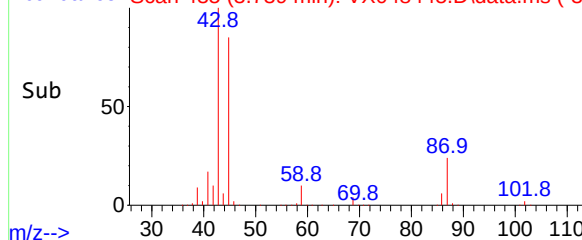
#22  
Diisopropyl ether  
Concen: 43.800 ug/l  
RT: 3.739 min Scan# 435  
Delta R.T. -0.012 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

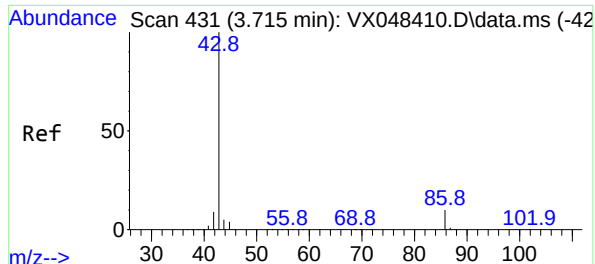
Tgt Ion: 45 Resp: 322329  
Ion Ratio Lower Upper  
45 100  
43 116.9 89.8 134.8  
87 27.8 20.6 31.0  
59 11.5 9.1 13.7

m/z--&gt; Abundance Scan 435 (3.739 min): VX048445.D\data.ms



Abundance Scan 435 (3.739 min): VX048445.D\data.ms (-38





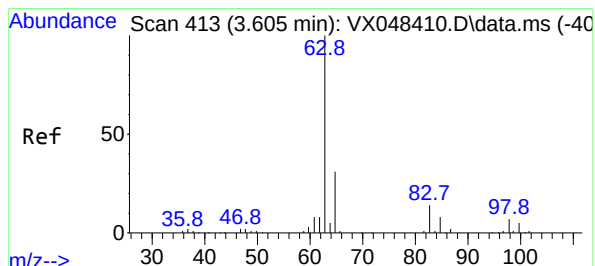
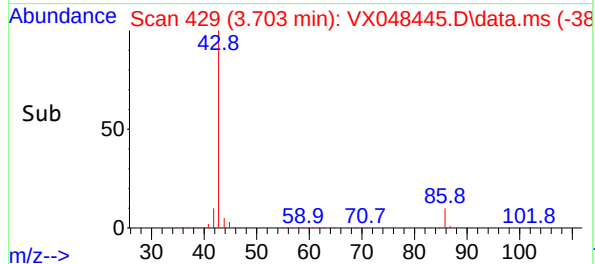
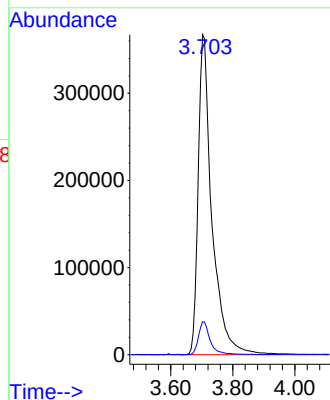
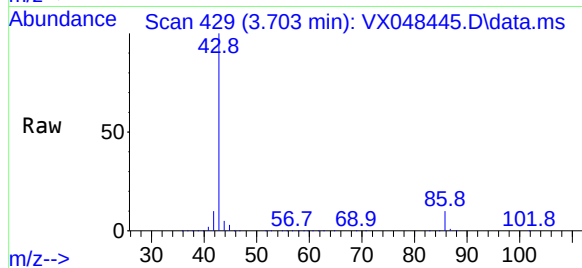
#23  
Vinyl Acetate  
Concen: 224.625 ug/l  
RT: 3.703 min Scan# 411  
Delta R.T. -0.012 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 43 Resp: 112525  
Ion Ratio Lower Upper  
43 100  
86 10.3 7.9 11.9

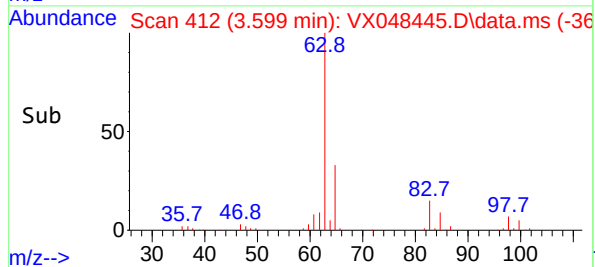
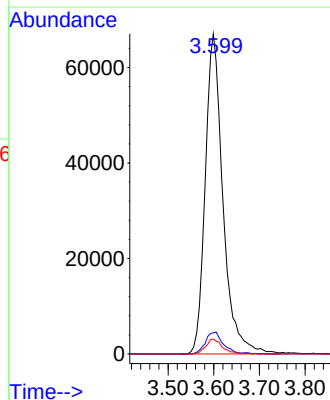
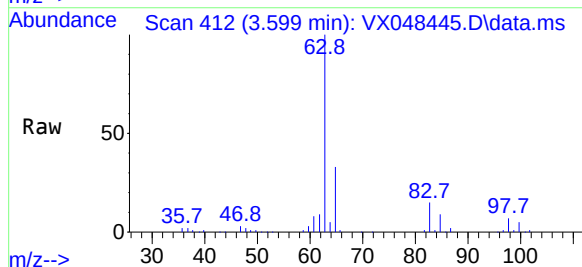
Manual Integrations  
APPROVED

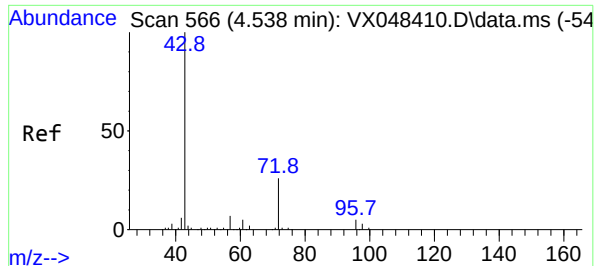
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#24  
1,1-Dichloroethane  
Concen: 43.215 ug/l  
RT: 3.599 min Scan# 412  
Delta R.T. -0.006 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Tgt Ion: 63 Resp: 180483  
Ion Ratio Lower Upper  
63 100  
98 6.6 3.5 10.6  
100 4.6 2.1 6.3





#25

2-Butanone

Concen: 209.435 ug/l

RT: 4.532 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Tgt Ion: 43 Resp: 19891

Ion Ratio Lower Upper

43 100

72 25.0 19.9 29.9

Instrument :

MSVOA\_X

ClientSampleId :

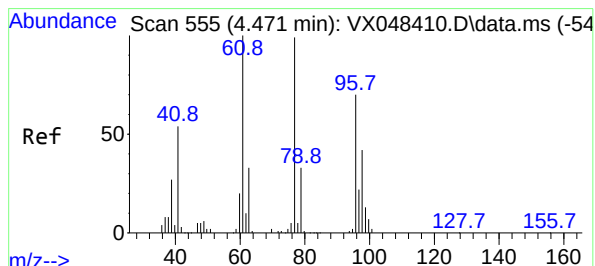
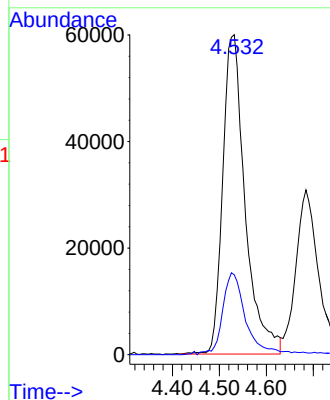
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#26

2,2-Dichloropropane

Concen: 44.773 ug/l

RT: 4.459 min Scan# 553

Delta R.T. -0.012 min

Lab File: VX048445.D

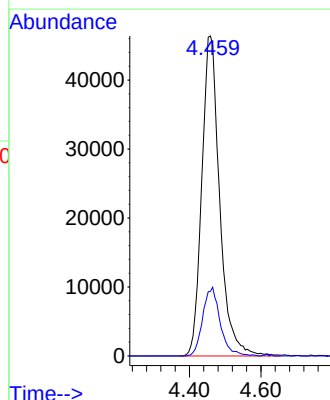
Acq: 03 Nov 2025 09:14

Tgt Ion: 77 Resp: 161000

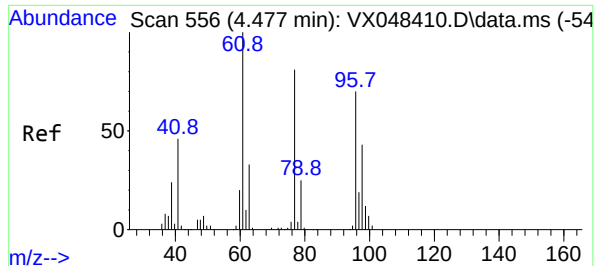
Ion Ratio Lower Upper

77 100

97 21.0 11.1 33.3







#27

cis-1,2-Dichloroethene

Concen: 41.377 ug/l

RT: 4.471 min Scan# 511

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDC050

Tgt Ion: 96 Resp: 11135

Ion Ratio Lower Upper

96 100

61 152.9 0.0 294.2

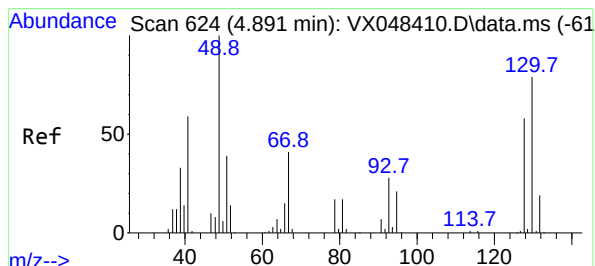
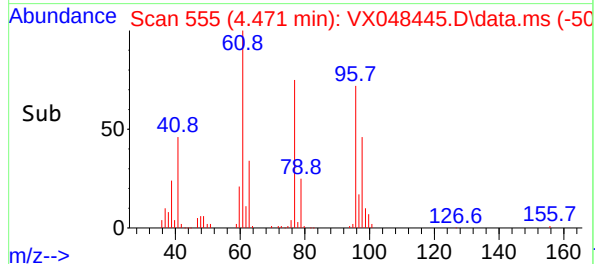
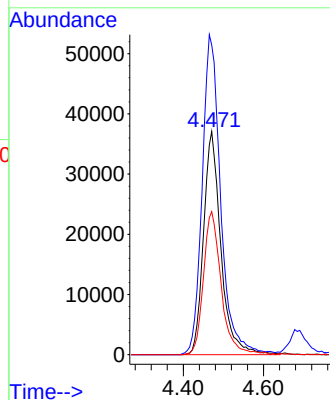
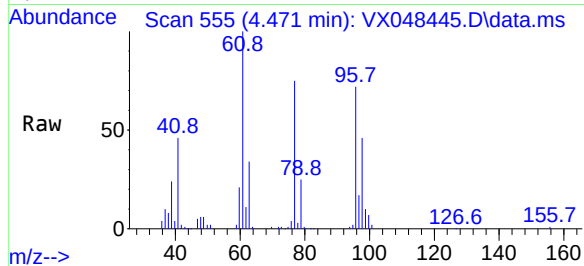
98 65.3 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#28

Bromochloromethane

Concen: 52.979 ug/l

RT: 4.873 min Scan# 621

Delta R.T. -0.018 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

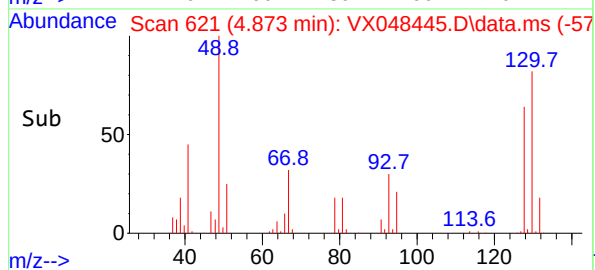
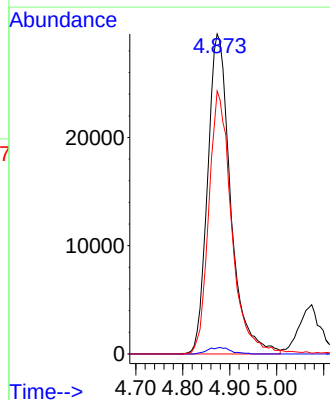
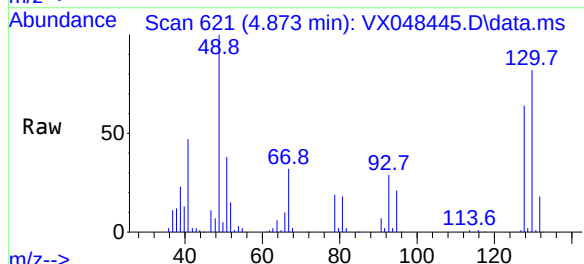
Tgt Ion: 49 Resp: 100275

Ion Ratio Lower Upper

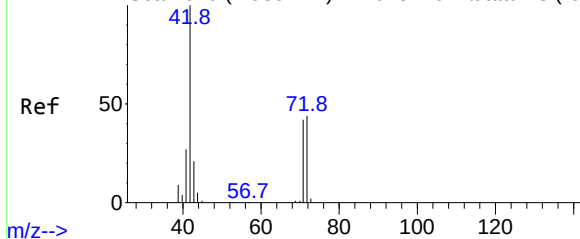
49 100

129 2.0 0.0 4.4

130 82.0 59.3 88.9



Abundance Scan 640 (4.989 min): VX048410.D\data.ms (-62



#29

Tetrahydrofuran

Concen: 215.222 ug/l

RT: 4.977 min Scan# 61

Delta R.T. -0.012 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

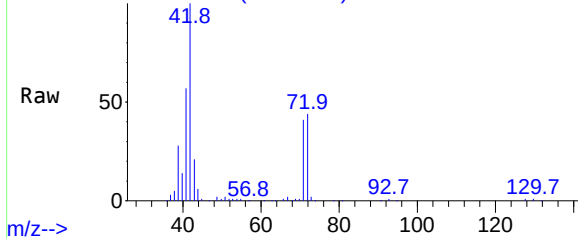
MSVOA\_X

ClientSampleId :

VSTDCCC050

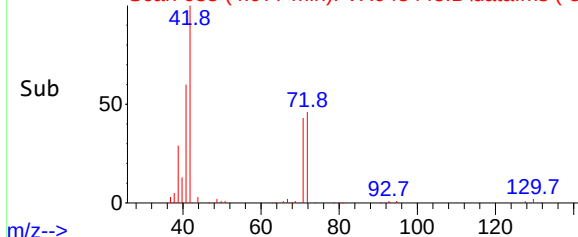
m/z--&gt;

Abundance Scan 638 (4.977 min): VX048445.D\data.ms



m/z--&gt;

Abundance Scan 638 (4.977 min): VX048445.D\data.ms (-59



m/z--&gt;

Tgt Ion: 42 Resp: 14557

Ion Ratio Lower Upper

42 100

72 49.3 35.3 52.9

71 43.9 32.2 48.4

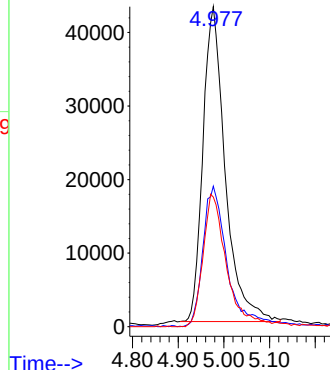
Manual Integrations

APPROVED

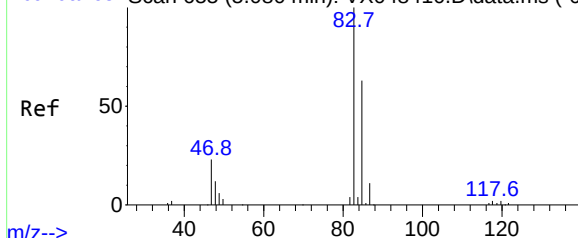
Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

Abundance

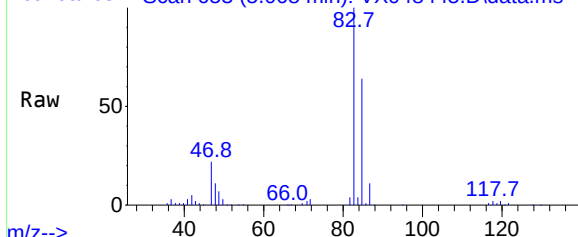


Abundance Scan 655 (5.080 min): VX048410.D\data.ms (-64



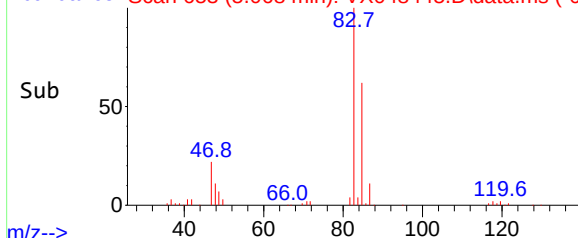
m/z--&gt;

Abundance Scan 653 (5.068 min): VX048445.D\data.ms



m/z--&gt;

Abundance Scan 653 (5.068 min): VX048445.D\data.ms (-60



m/z--&gt;

#30

Chloroform

Concen: 46.316 ug/l

RT: 5.068 min Scan# 653

Delta R.T. -0.012 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

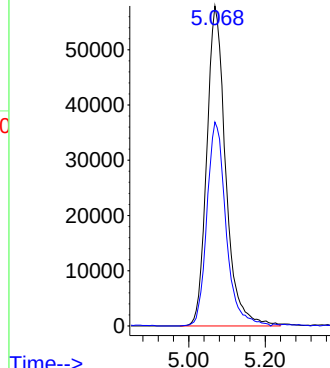
Tgt Ion: 83 Resp: 198984

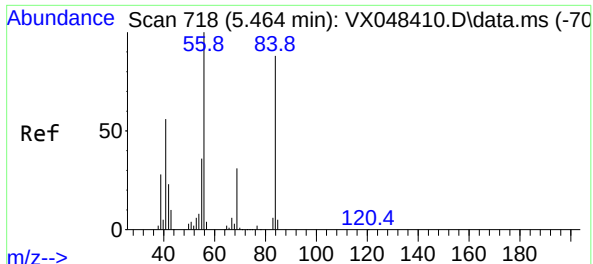
Ion Ratio Lower Upper

83 100

85 63.7 50.1 75.1

Abundance





#31

Cyclohexane

Concen: 44.663 ug/l

RT: 5.452 min Scan# 716

Delta R.T. -0.012 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 16191

Ion Ratio Lower Upper

56 100

69 30.4 23.0 34.6

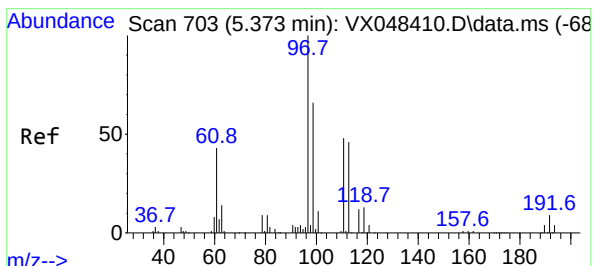
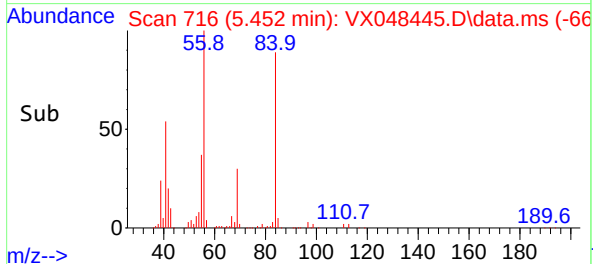
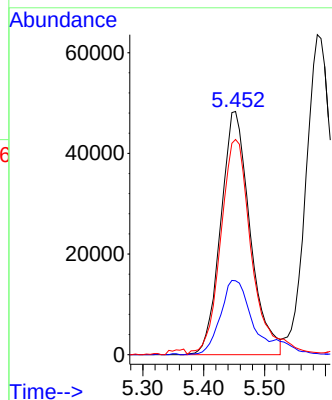
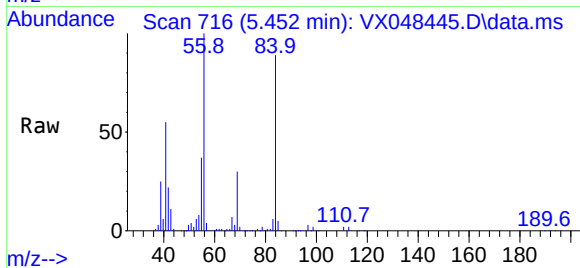
84 86.7 64.6 97.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#32

1,1,1-Trichloroethane

Concen: 48.232 ug/l

RT: 5.361 min Scan# 701

Delta R.T. -0.012 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

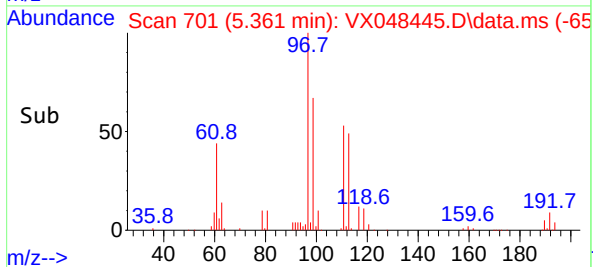
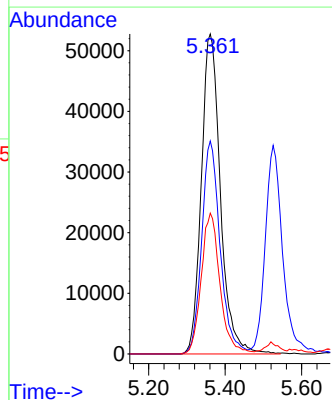
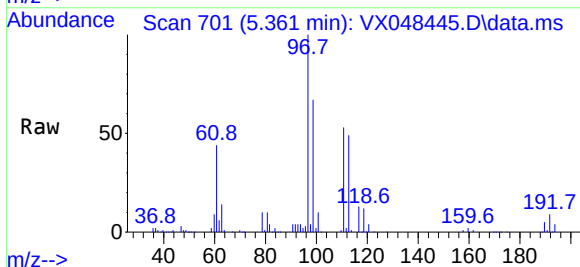
Tgt Ion: 97 Resp: 182932

Ion Ratio Lower Upper

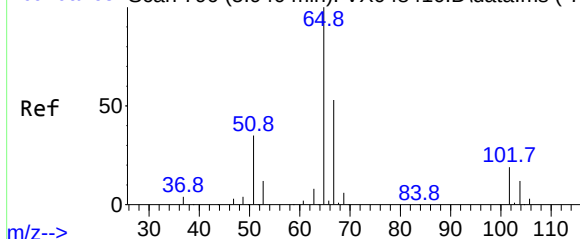
97 100

99 64.2 51.7 77.5

61 43.3 34.8 52.2



Abundance Scan 796 (5.940 min): VX048410.D\data.ms (-78



#33

1,2-Dichloroethane-d4

Concen: 45.129 ug/l

RT: 5.928 min Scan# 79

Delta R.T. -0.012 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 11838

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.0

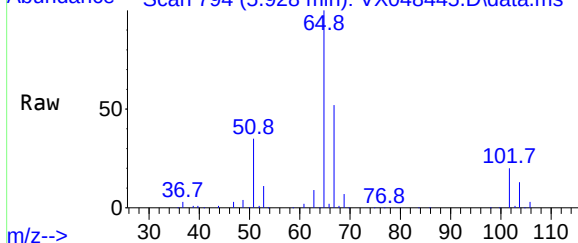
Manual Integrations

APPROVED

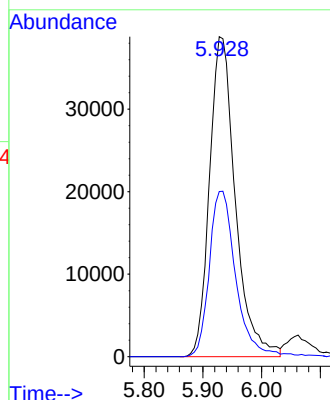
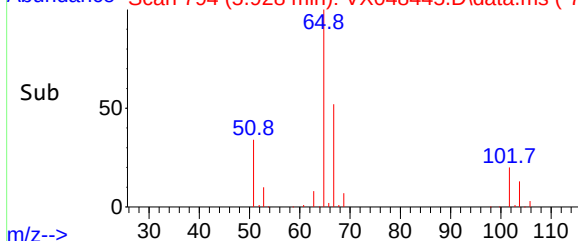
Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

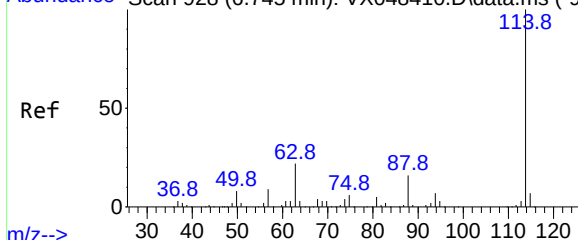
Abundance Scan 794 (5.928 min): VX048445.D\data.ms



Abundance Scan 794 (5.928 min): VX048445.D\data.ms (-74



Abundance Scan 928 (6.745 min): VX048410.D\data.ms (-91



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 927

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Tgt Ion:114 Resp: 256609

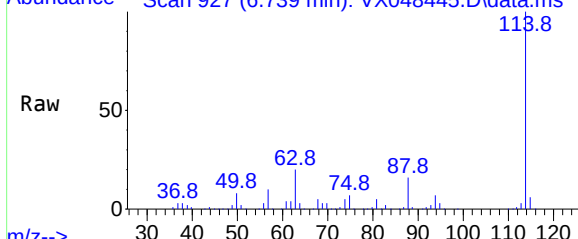
Ion Ratio Lower Upper

114 100

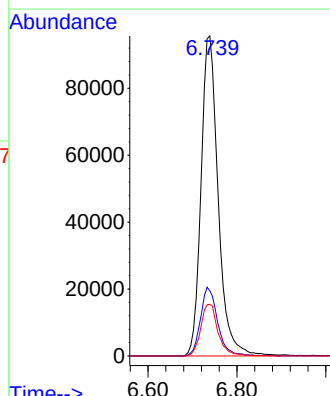
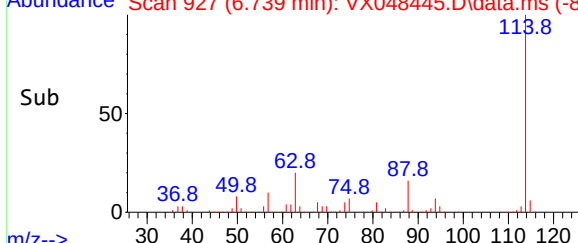
63 20.4 0.0 43.2

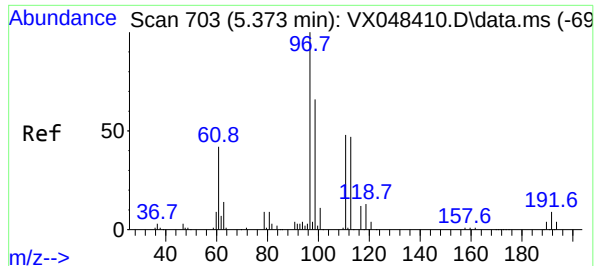
88 16.2 0.0 33.6

Abundance Scan 927 (6.739 min): VX048445.D\data.ms



Abundance Scan 927 (6.739 min): VX048445.D\data.ms (-87





#35

Dibromofluoromethane

Concen: 60.689 ug/l

RT: 5.361 min Scan# 70

Delta R.T. -0.012 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 88789

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

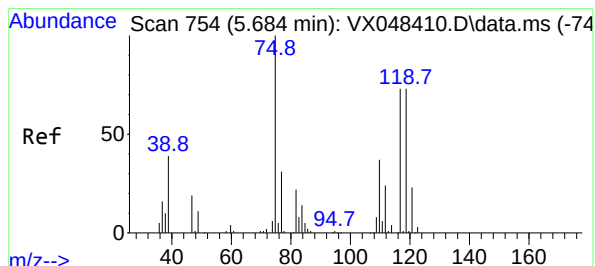
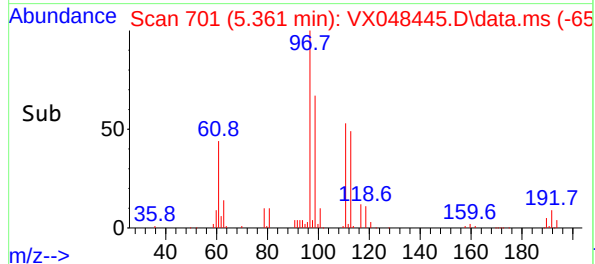
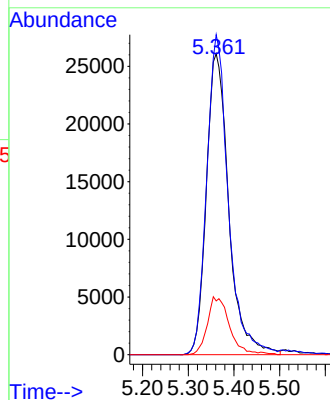
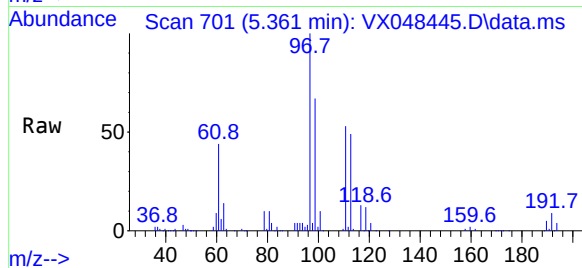
192 18.7 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#36

1,1-Dichloropropene

Concen: 55.422 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.012 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

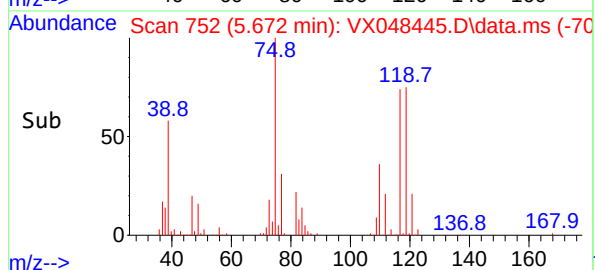
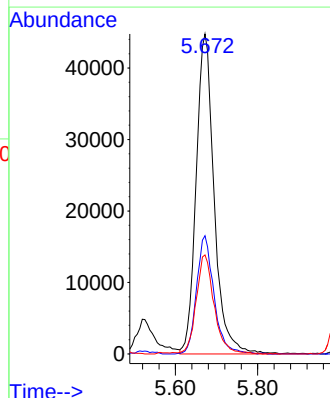
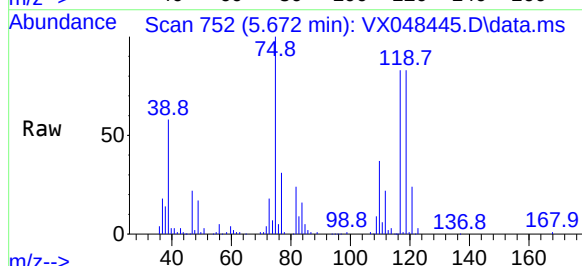
Tgt Ion: 75 Resp: 136164

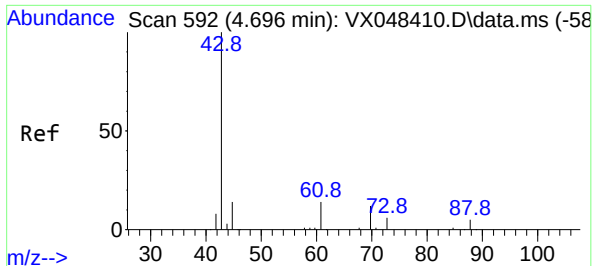
Ion Ratio Lower Upper

75 100

110 35.8 17.7 53.1

77 30.9 24.3 36.5





#37

Ethyl Acetate

Concen: 49.908 ug/l

RT: 4.684 min Scan# 592

Delta R.T. -0.012 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 104468

Ion Ratio Lower Upper

43 100

61 10.2 10.6 15.8

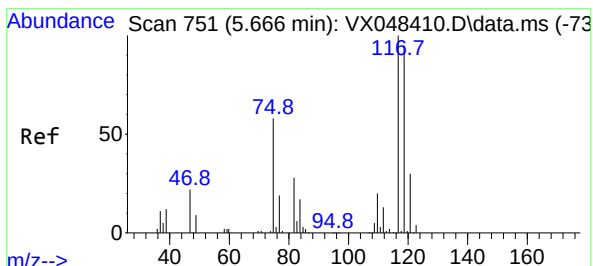
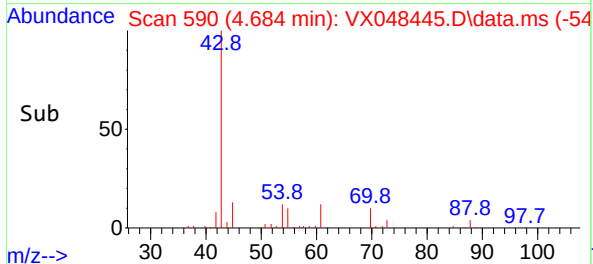
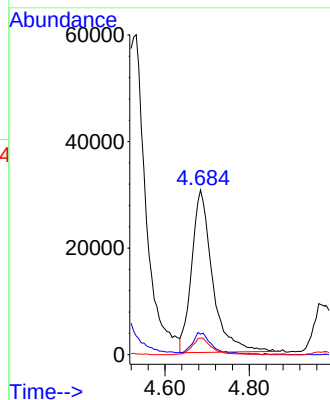
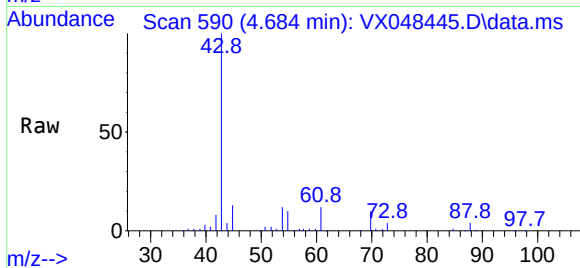
70 9.5 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#38

Carbon Tetrachloride

Concen: 55.059 ug/l

RT: 5.660 min Scan# 750

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

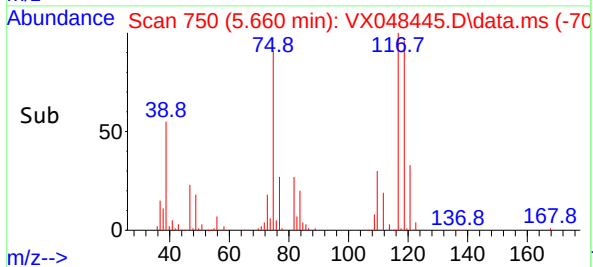
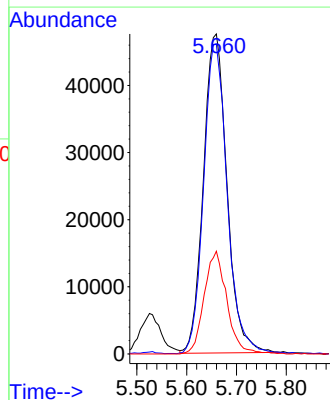
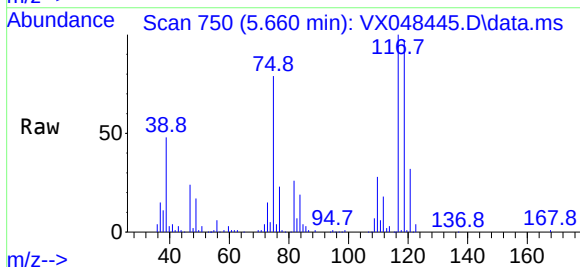
Tgt Ion:117 Resp: 156186

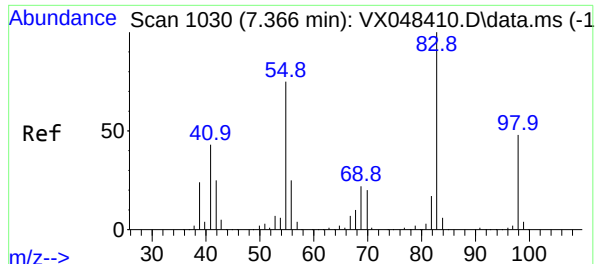
Ion Ratio Lower Upper

117 100

119 96.8 77.2 115.8

121 32.3 24.8 37.2





#39

Methylcyclohexane

Concen: 44.499 ug/l

RT: 7.361 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 14059

Ion Ratio Lower Upper

83 100

55 76.3 66.2 99.2

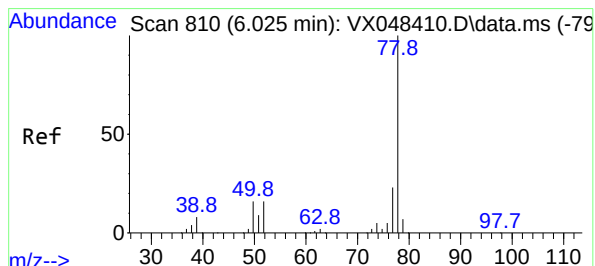
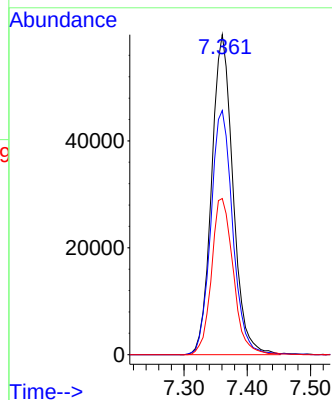
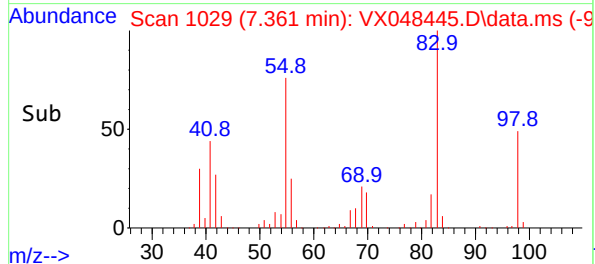
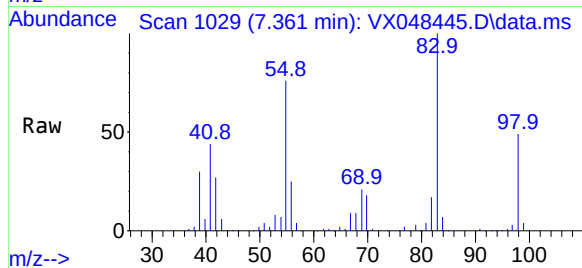
98 48.8 38.9 58.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#40

Benzene

Concen: 57.824 ug/l

RT: 6.013 min Scan# 808

Delta R.T. -0.012 min

Lab File: VX048445.D

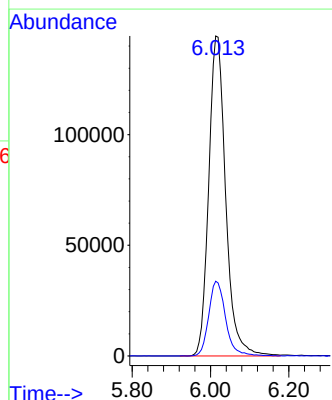
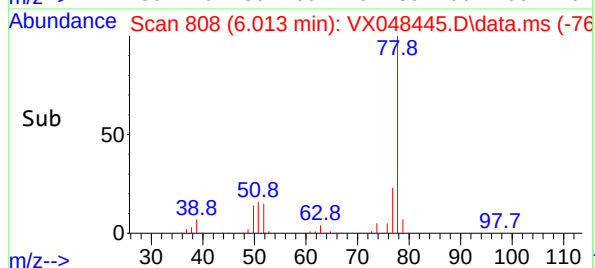
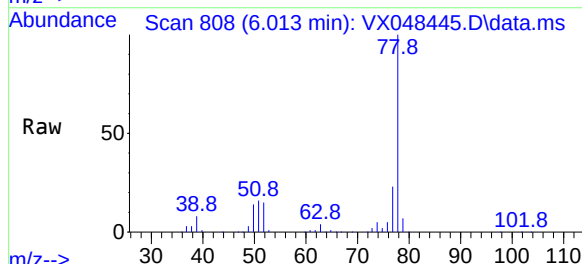
Acq: 03 Nov 2025 09:14

Tgt Ion: 78 Resp: 434013

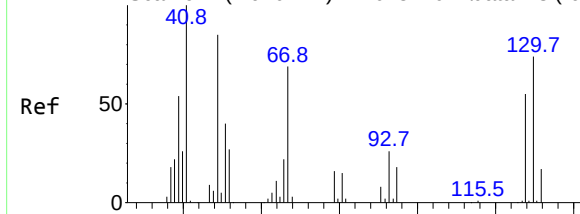
Ion Ratio Lower Upper

78 100

77 23.4 19.3 28.9

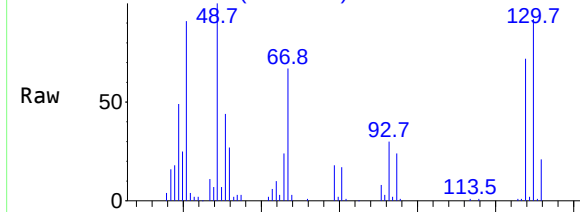


Abundance Scan 627 (4.910 min): VX048410.D\data.ms (-61



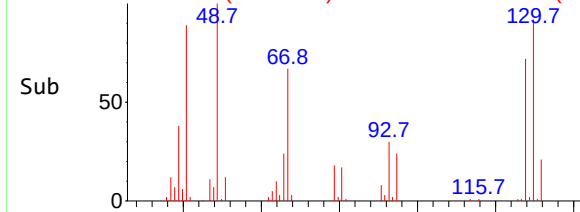
m/z--&gt;

Abundance Scan 624 (4.891 min): VX048445.D\data.ms



m/z--&gt;

Abundance Scan 624 (4.891 min): VX048445.D\data.ms (-57



m/z--&gt;

#41

Methacrylonitrile

Concen: 60.144 ug/l

RT: 4.891 min Scan# 61

Delta R.T. -0.018 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Tgt Ion: 41 Resp: 6341

Ion Ratio Lower Upper

41 100

39 53.5 44.0 66.0

67 77.1 58.7 88.1

52 34.9 25.9 38.9

Instrument :

MSVOA\_X

ClientSampleId :

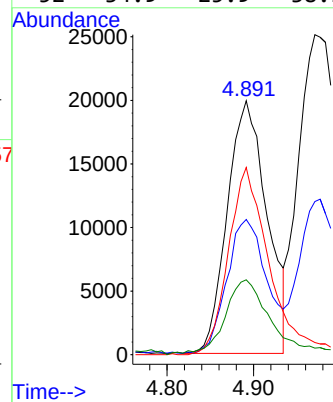
VSTDCCC050

Manual Integrations

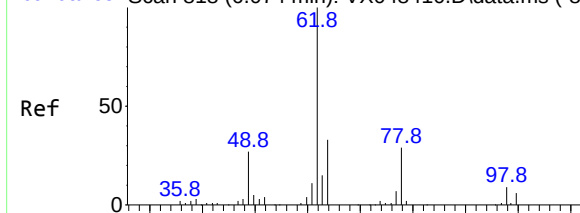
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

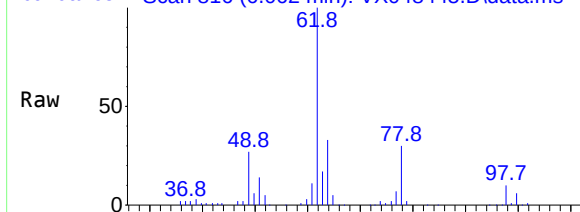


Abundance Scan 818 (6.074 min): VX048410.D\data.ms (-80



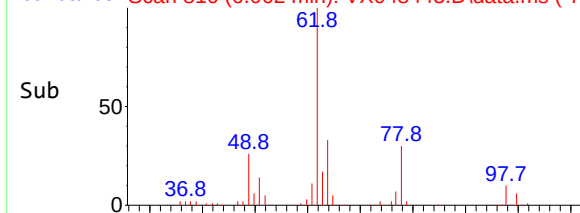
m/z--&gt;

Abundance Scan 816 (6.062 min): VX048445.D\data.ms



m/z--&gt;

Abundance Scan 816 (6.062 min): VX048445.D\data.ms (-76



m/z--&gt;

#42

1,2-Dichloroethane

Concen: 57.694 ug/l

RT: 6.062 min Scan# 816

Delta R.T. -0.012 min

Lab File: VX048445.D

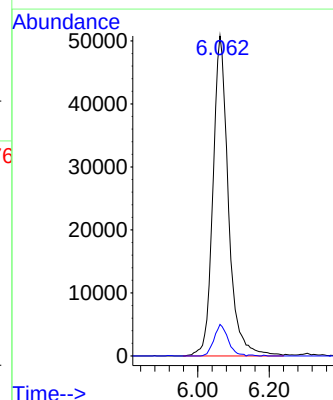
Acq: 03 Nov 2025 09:14

Tgt Ion: 62 Resp: 152527

Ion Ratio Lower Upper

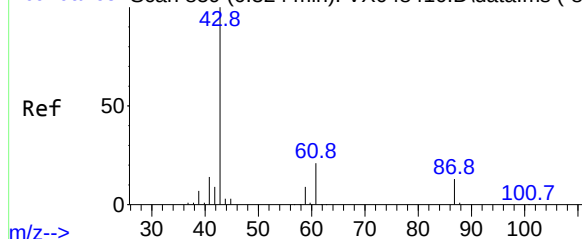
62 100

98 9.0 0.0 17.2





Abundance Scan 859 (6.324 min): VX048410.D\data.ms (-84



#43

Isopropyl Acetate

Concen: 50.203 ug/l

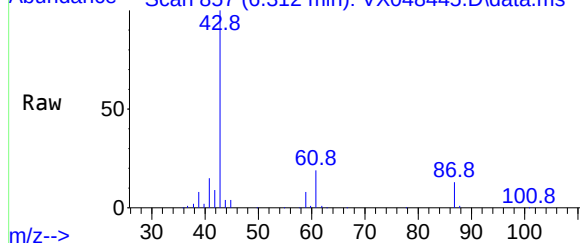
RT: 6.312 min Scan# 857

Delta R.T. -0.012 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Abundance Scan 857 (6.312 min): VX048445.D\data.ms



Tgt Ion: 43 Resp: 17349

Ion Ratio Lower Upper

43 100

61 18.6 14.9 22.3

87 12.7 9.4 14.2

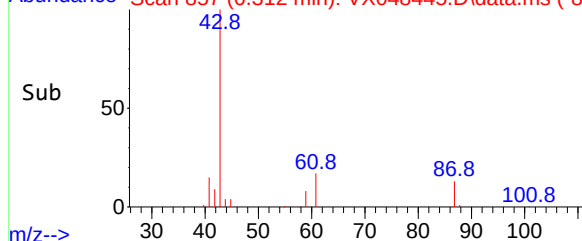
Manual Integrations

APPROVED

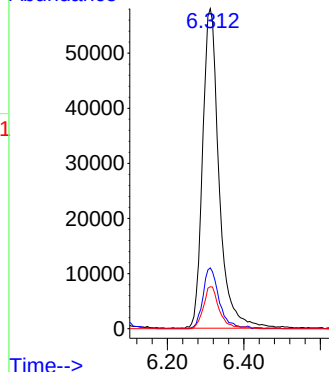
Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

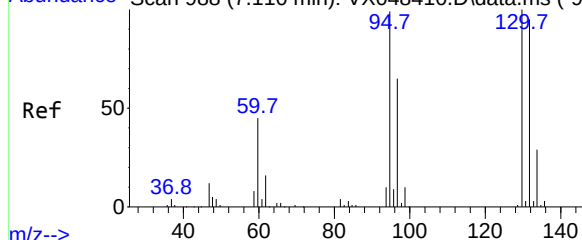
Abundance Scan 857 (6.312 min): VX048445.D\data.ms (-81



Abundance



Abundance Scan 988 (7.110 min): VX048410.D\data.ms (-97



#44

Trichloroethene

Concen: 47.733 ug/l

RT: 7.104 min Scan# 987

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

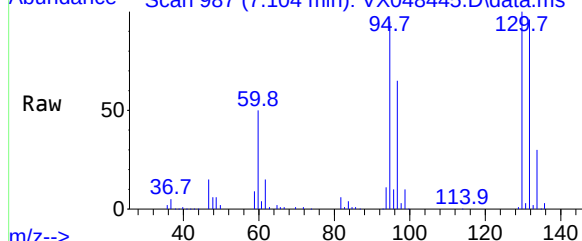
Tgt Ion:130 Resp: 93867

Ion Ratio Lower Upper

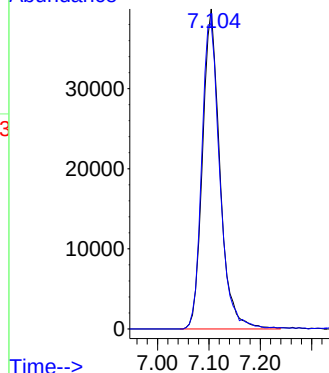
130 100

95 95.4 0.0 200.6

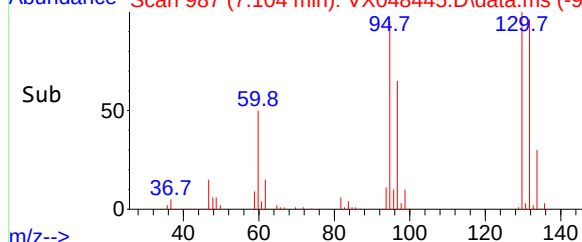
Abundance Scan 987 (7.104 min): VX048445.D\data.ms

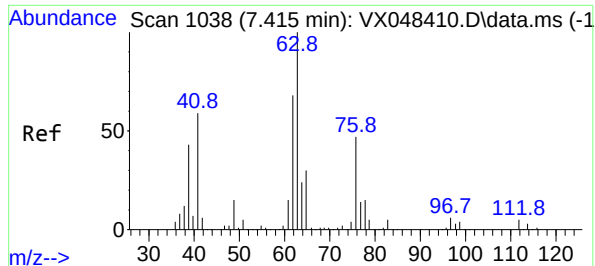


Abundance



Abundance Scan 987 (7.104 min): VX048445.D\data.ms (-93





#45

1,2-Dichloropropane

Concen: 48.407 ug/l

RT: 7.409 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 90739

Ion Ratio Lower Upper

63 100

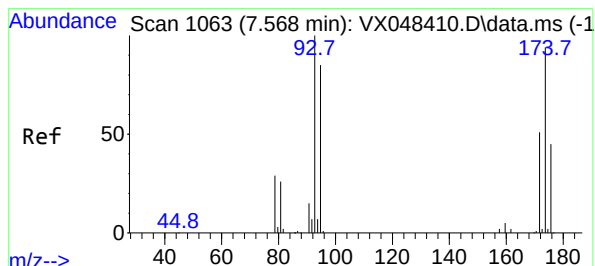
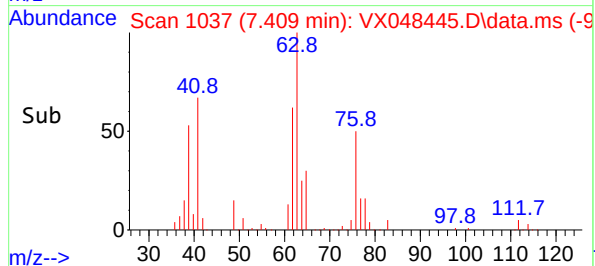
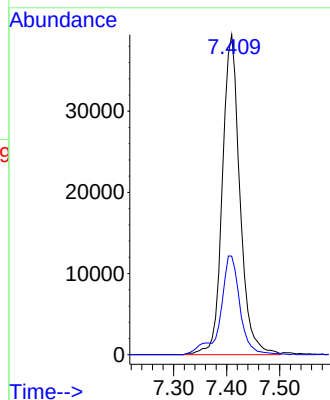
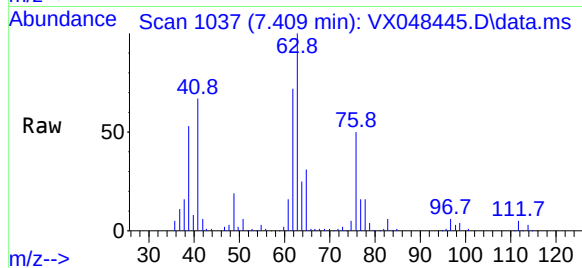
65 30.8 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#46

Dibromomethane

Concen: 51.930 ug/l

RT: 7.562 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

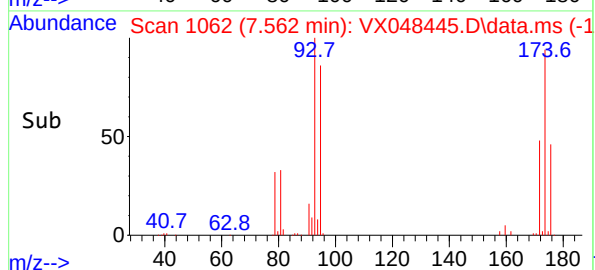
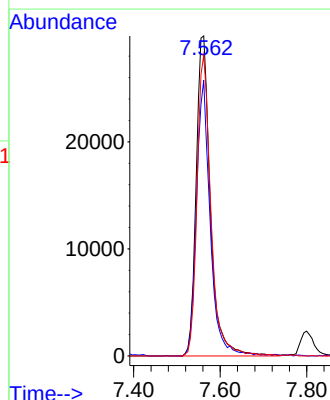
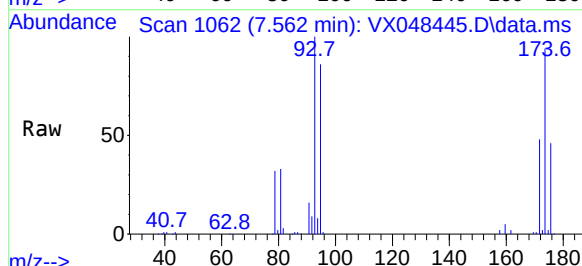
Tgt Ion: 93 Resp: 68145

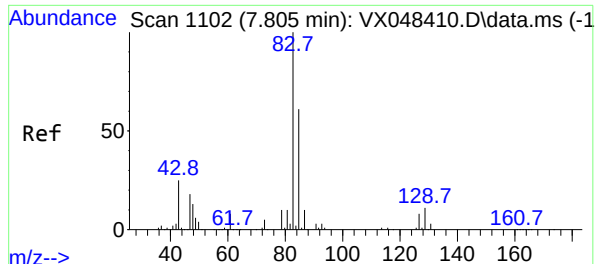
Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

174 91.9 71.7 107.5





#47

Bromodichloromethane

Concen: 53.490 ug/l

RT: 7.799 min Scan# 1102

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

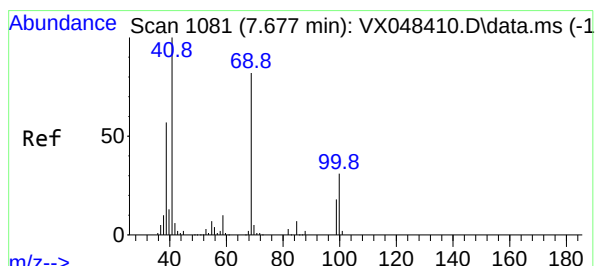
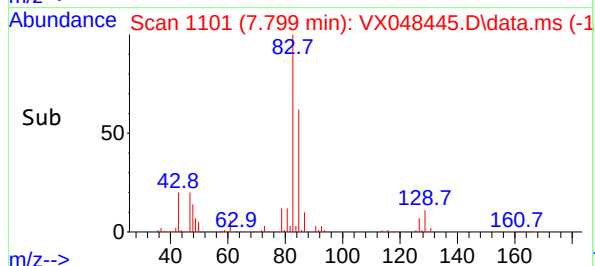
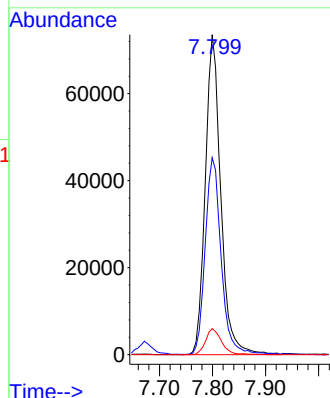
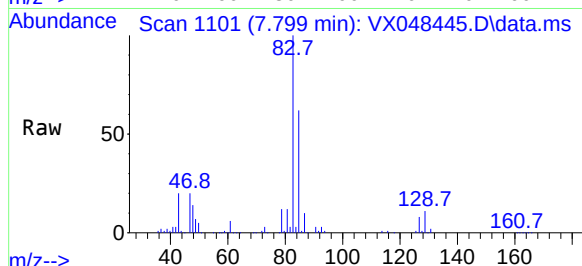
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 14913 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 61.4  | 52.2  | 78.4  |
| 127      | 8.2   | 7.3   | 10.9  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#48

Methyl methacrylate

Concen: 51.278 ug/l

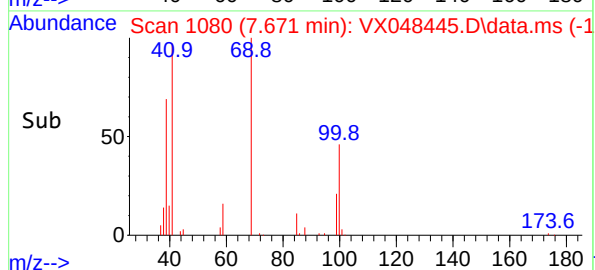
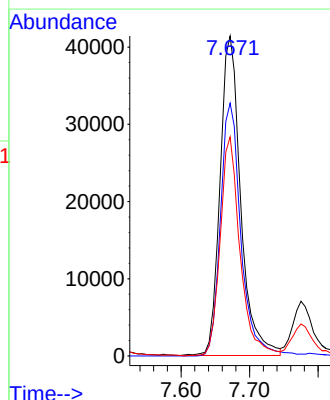
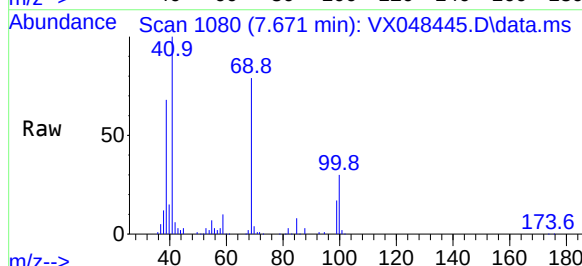
RT: 7.671 min Scan# 1080

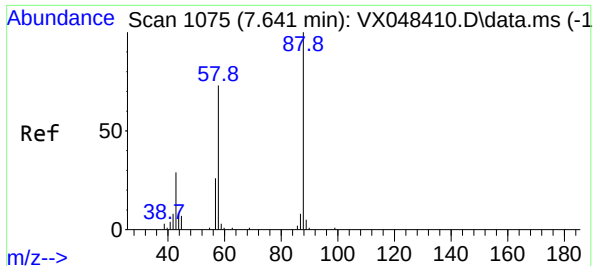
Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 86418 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 78.8  | 63.4  | 95.0  |
| 39       | 66.1  | 47.1  | 70.7  |





#49

1,4-Dioxane

Concen: 1021.643 ug/l

RT: 7.635 min Scan# 1075

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 19570

Ion Ratio Lower Upper

88 100

43 39.4 35.0 52.4

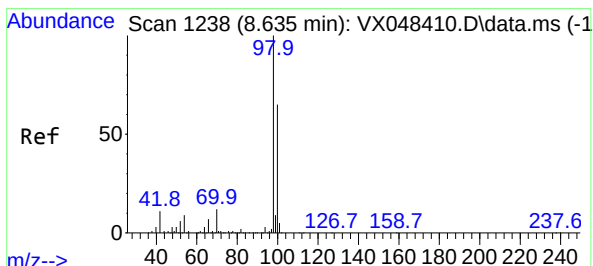
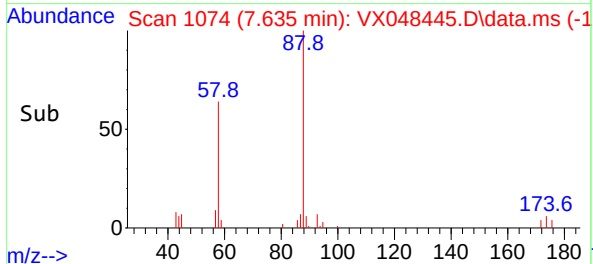
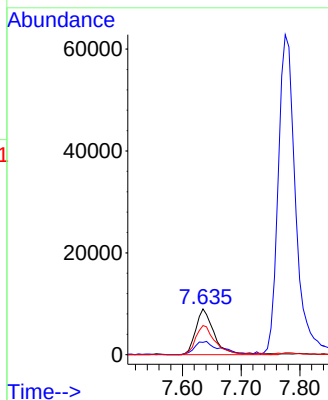
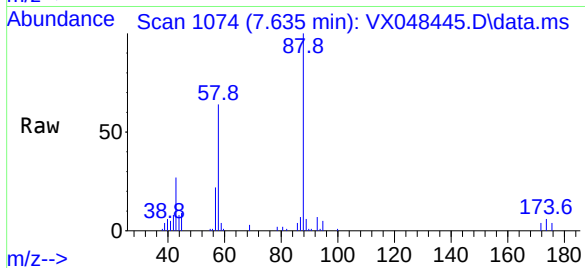
58 66.7 61.9 92.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#50

Toluene-d8

Concen: 49.858 ug/l

RT: 8.629 min Scan# 1237

Delta R.T. -0.006 min

Lab File: VX048445.D

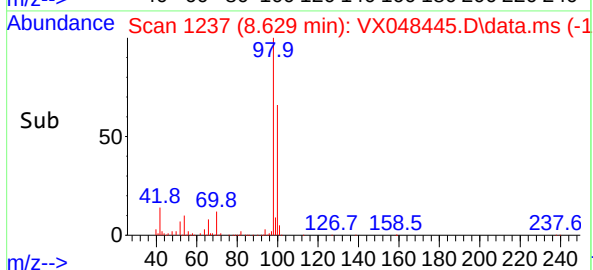
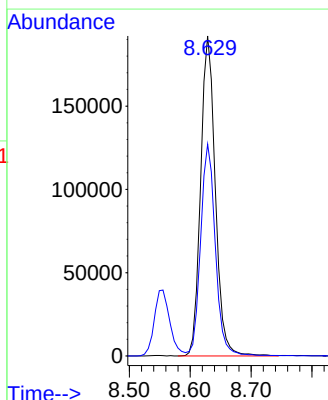
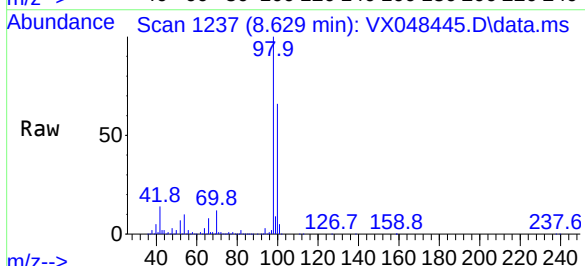
Acq: 03 Nov 2025 09:14

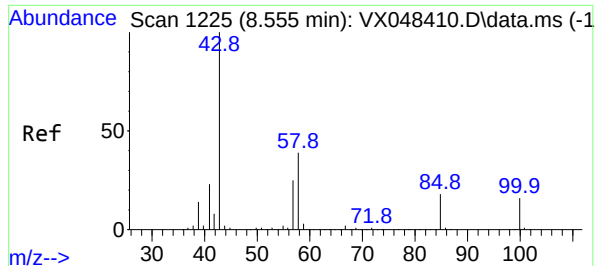
Tgt Ion: 98 Resp: 321993

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.4





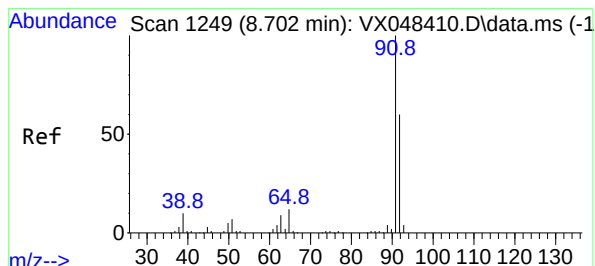
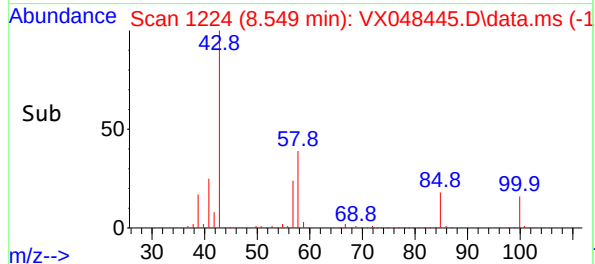
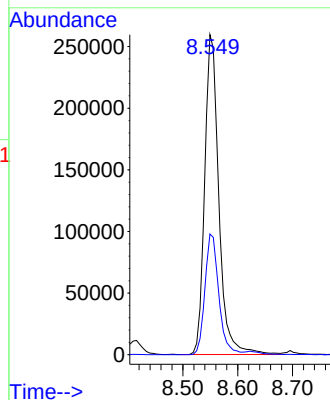
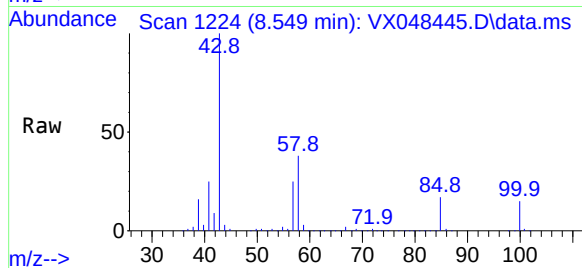
#51  
4-Methyl-2-Pentanone  
Concen: 241.985 ug/l  
RT: 8.549 min Scan# 1224  
Delta R.T. -0.006 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 43 Resp: 465409  
Ion Ratio Lower Upper  
43 100  
58 37.0 29.5 44.3

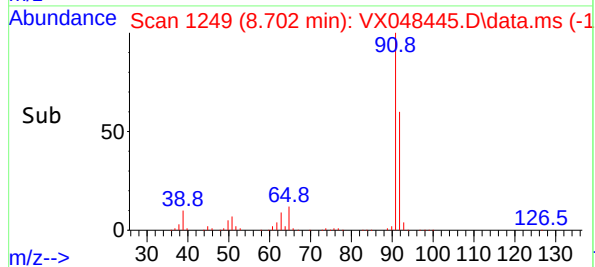
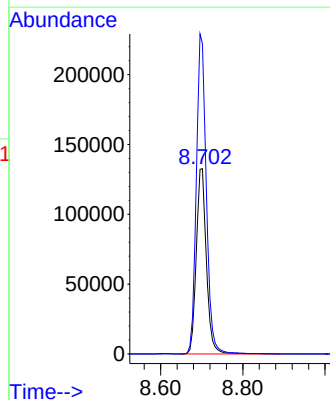
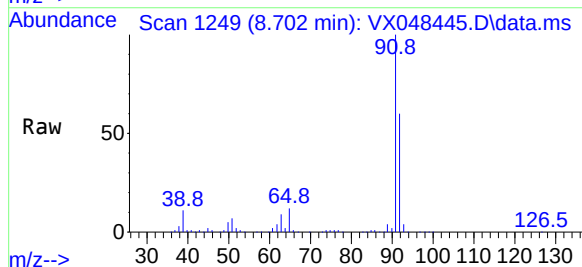
Manual Integrations  
APPROVED

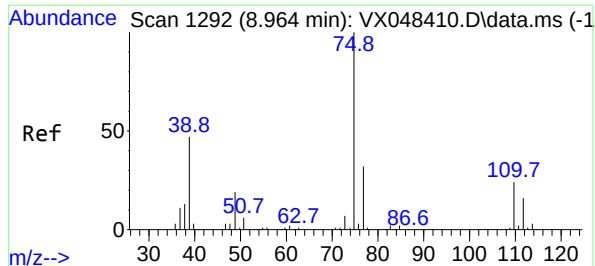
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#52  
Toluene  
Concen: 48.125 ug/l  
RT: 8.702 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Tgt Ion: 92 Resp: 225707  
Ion Ratio Lower Upper  
92 100  
91 170.5 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 52.527 ug/l

RT: 8.958 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 13274

Ion Ratio Lower Upper

75 100

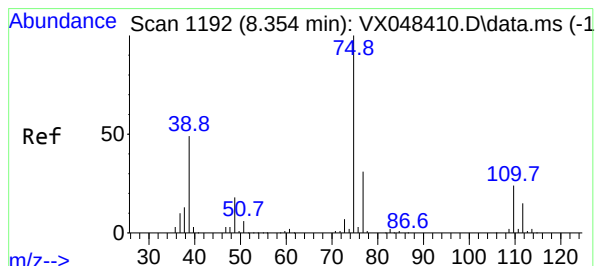
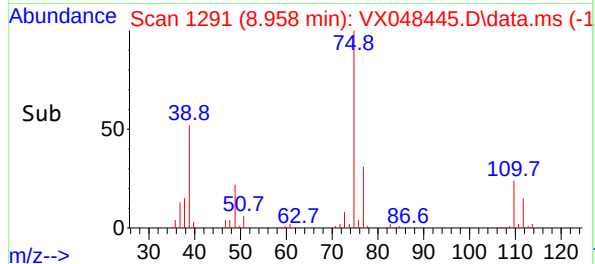
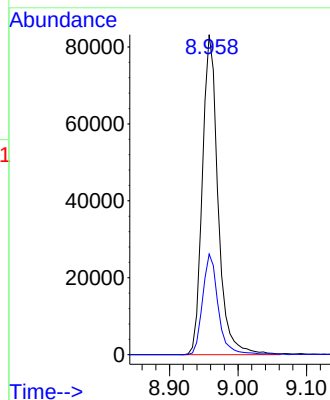
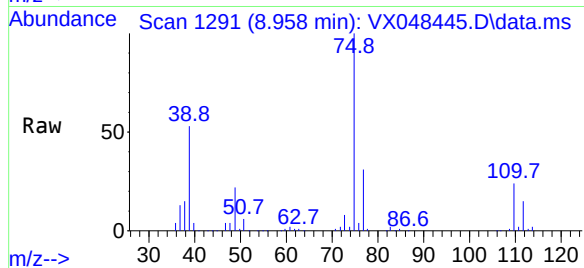
77 31.5 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#54

cis-1,3-Dichloropropene

Concen: 51.090 ug/l

RT: 8.348 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

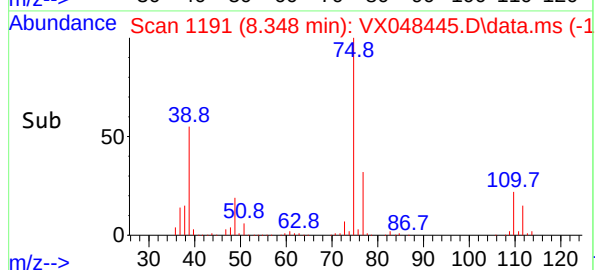
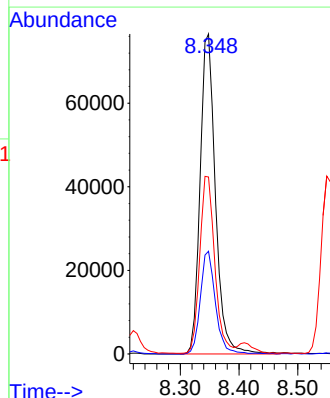
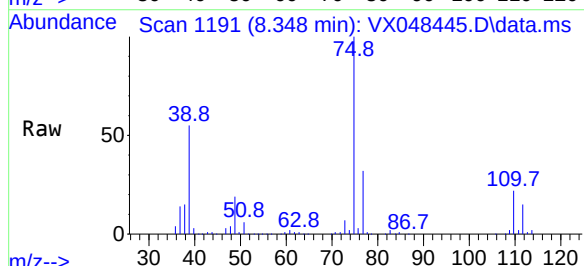
Tgt Ion: 75 Resp: 139107

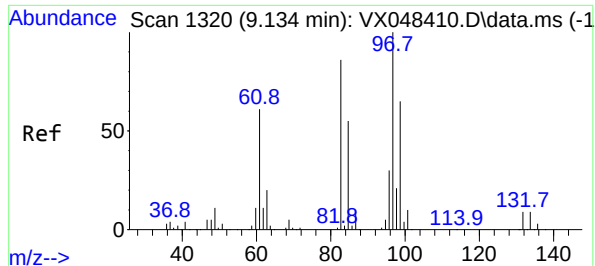
Ion Ratio Lower Upper

75 100

77 32.1 24.9 37.3

39 55.1 42.6 64.0





#55

1,1,2-Trichloroethane

Concen: 48.713 ug/l

RT: 9.135 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 8267

Ion Ratio Lower Upper

97 100

83 86.4 70.6 105.8

85 55.2 45.0 67.6

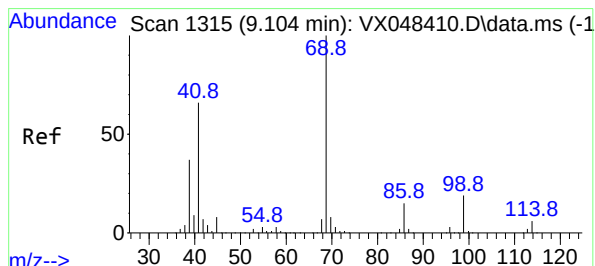
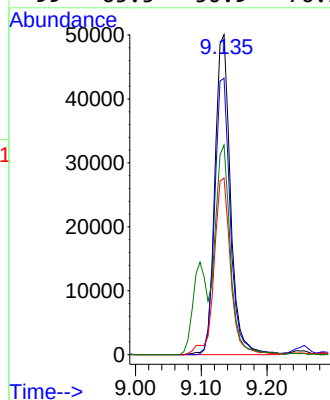
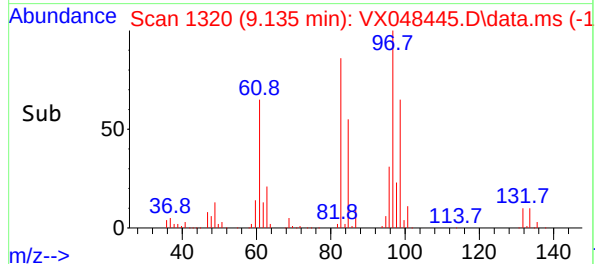
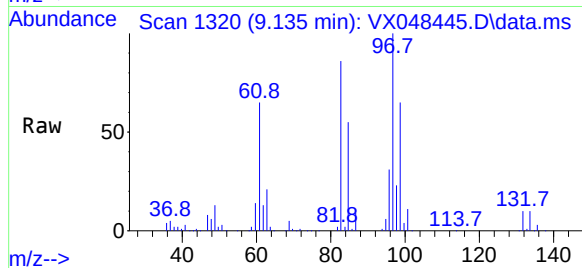
99 65.5 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#56

Ethyl methacrylate

Concen: 48.587 ug/l

RT: 9.098 min Scan# 1314

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

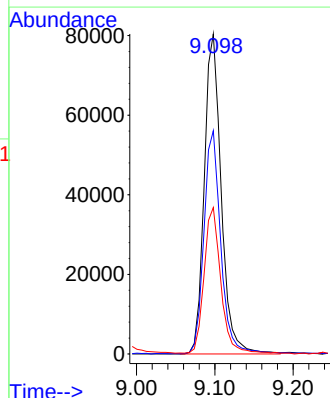
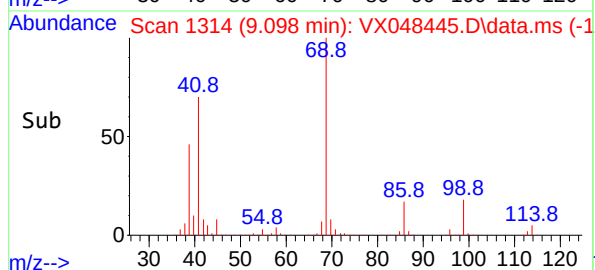
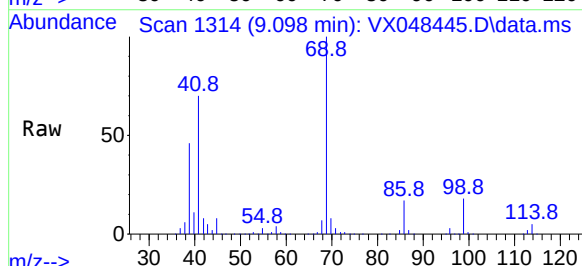
Tgt Ion: 69 Resp: 120750

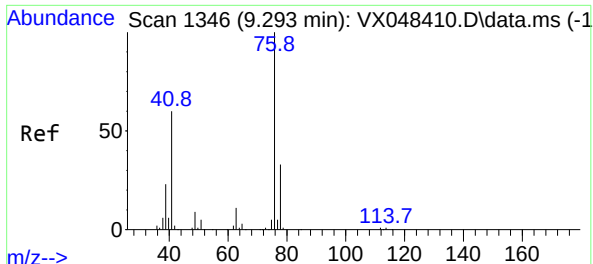
Ion Ratio Lower Upper

69 100

41 69.4 56.0 84.0

39 45.9 31.6 47.4





#57

1,3-Dichloropropane

Concen: 48.821 ug/l

RT: 9.287 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDC050

Tgt Ion: 76 Resp: 143672

Ion Ratio Lower Upper

76 100

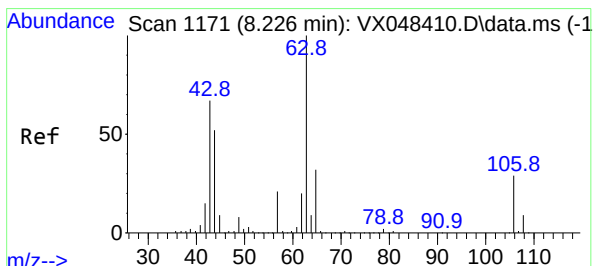
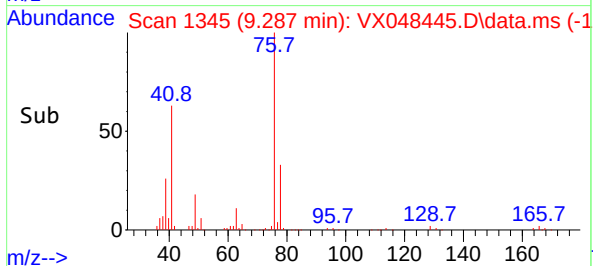
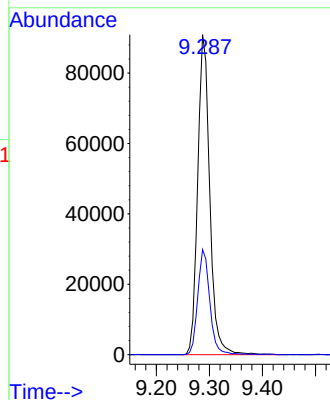
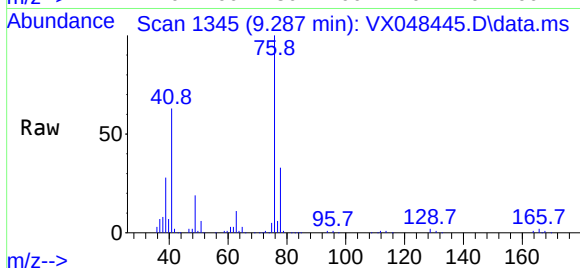
78 32.8 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#58

2-Chloroethyl Vinyl ether

Concen: 247.323 ug/l

RT: 8.220 min Scan# 1170

Delta R.T. -0.006 min

Lab File: VX048445.D

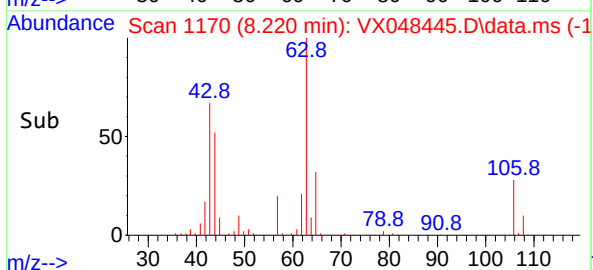
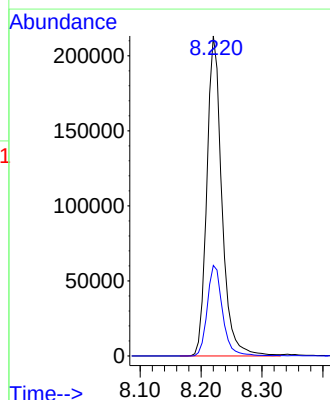
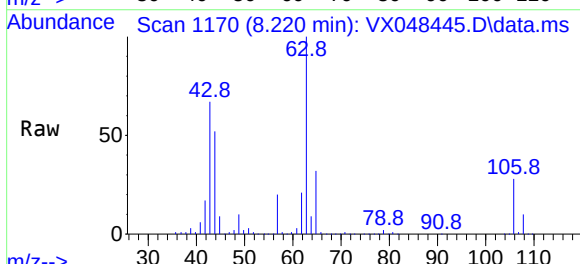
Acq: 03 Nov 2025 09:14

Tgt Ion: 63 Resp: 365937

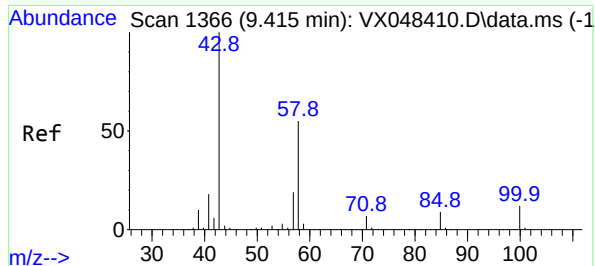
Ion Ratio Lower Upper

63 100

106 28.8 22.2 33.2







#59

2-Hexanone

Concen: 240.921 ug/l

RT: 9.409 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 301500

Ion Ratio Lower Upper

43 100

58 52.3

26.3

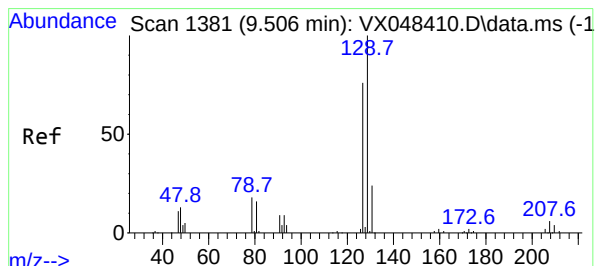
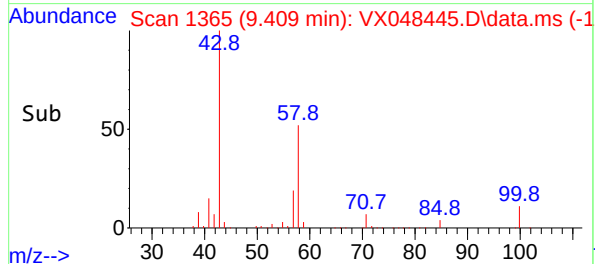
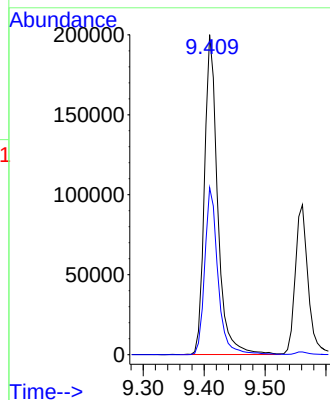
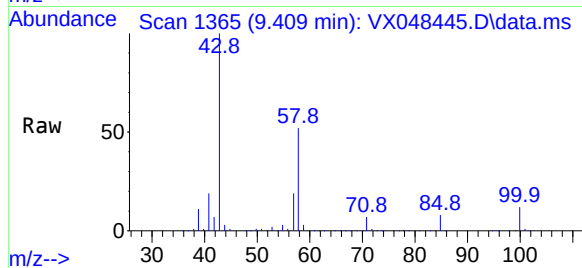
78.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#60

Dibromochloromethane

Concen: 51.215 ug/l

RT: 9.500 min Scan# 1380

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Tgt Ion:129 Resp: 107504

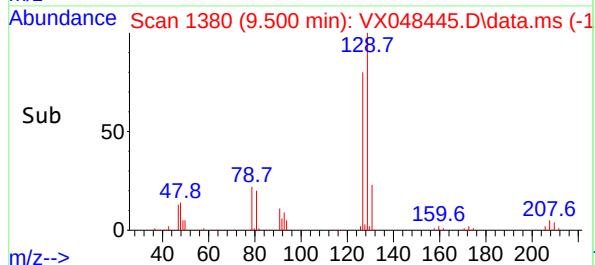
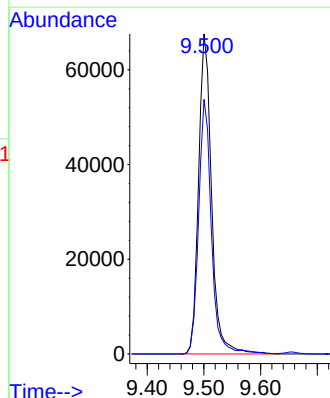
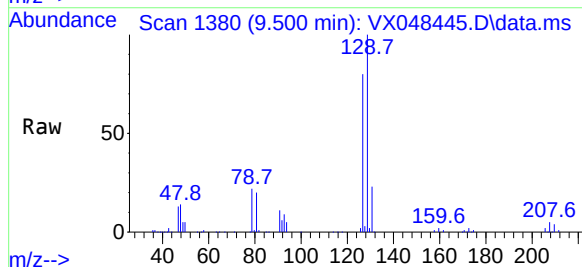
Ion Ratio Lower Upper

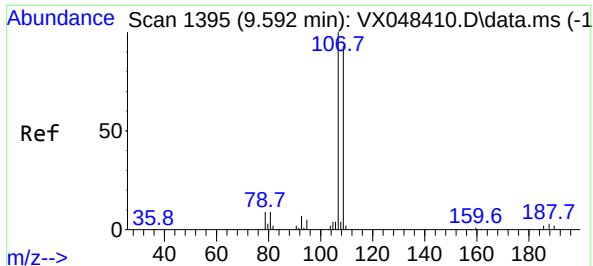
129 100

127 78.5

38.6

115.7





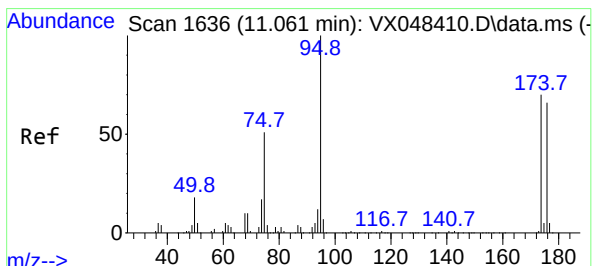
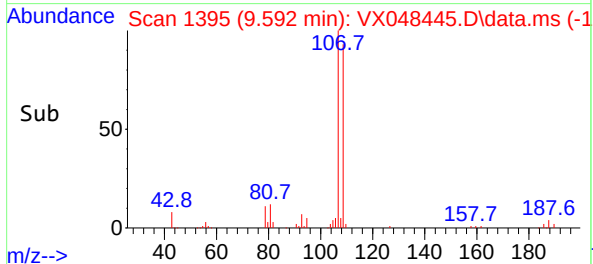
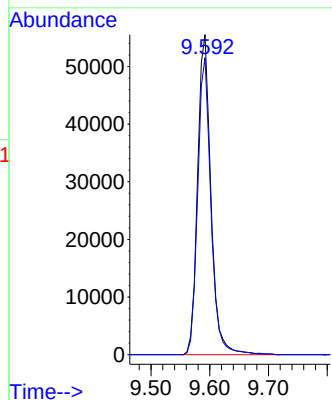
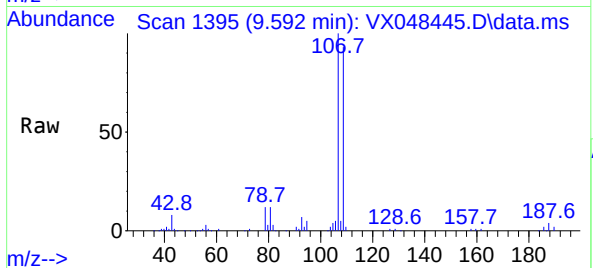
#61  
1,2-Dibromoethane  
Concen: 49.910 ug/l  
RT: 9.592 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDC050

Tgt Ion:107 Resp: 8763  
Ion Ratio Lower Upper  
107 100  
109 92.2 77.0 115.4

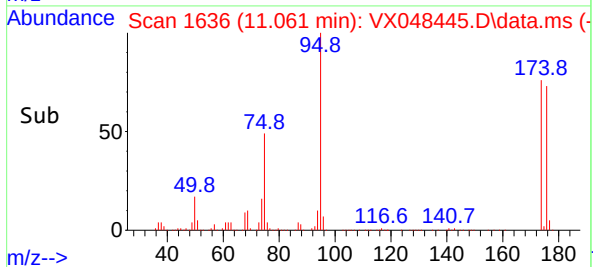
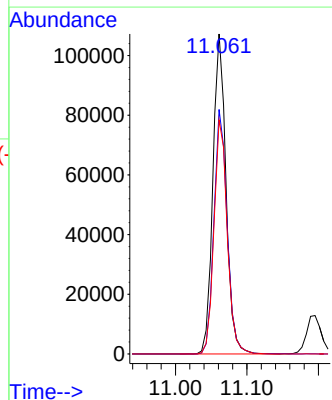
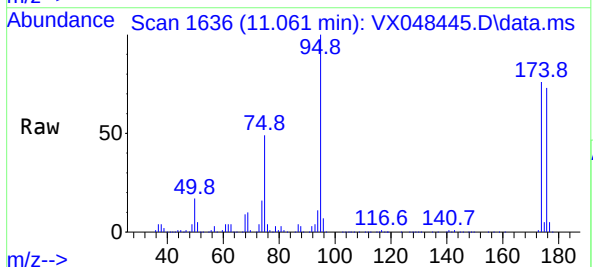
Manual Integrations  
APPROVED

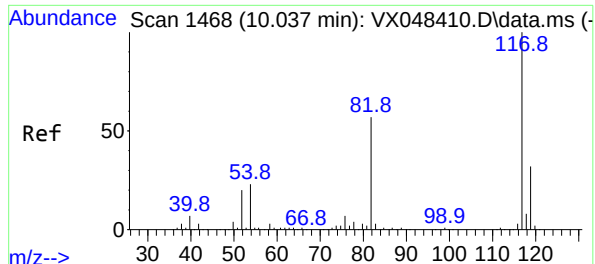
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#62  
4-Bromofluorobenzene  
Concen: 56.400 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.000 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Tgt Ion: 95 Resp: 136256  
Ion Ratio Lower Upper  
95 100  
174 77.1 0.0 147.8  
176 74.1 0.0 142.8





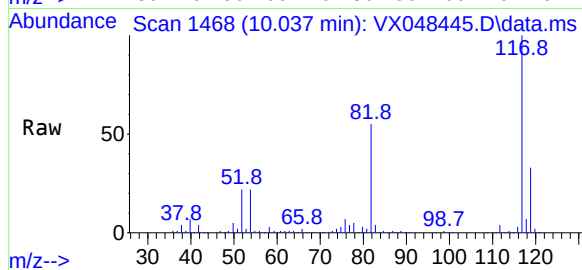
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. 0.000 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

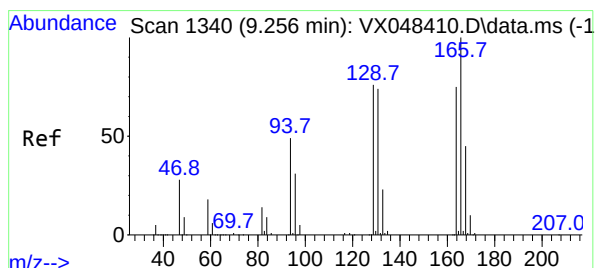
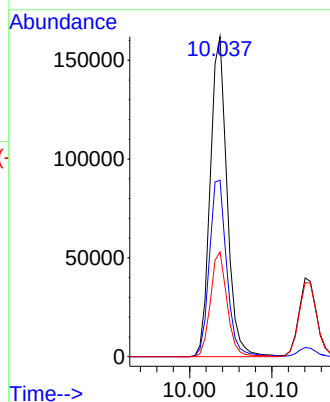
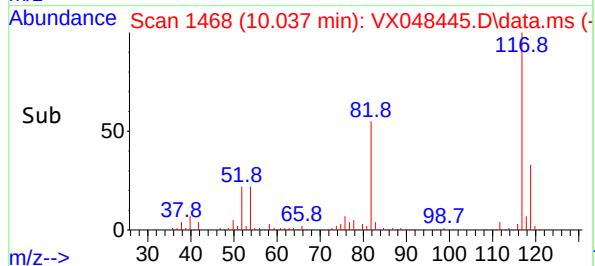


Tgt Ion:117 Resp: 229985  
Ion Ratio Lower Upper  
117 100  
82 55.0 46.5 69.7  
119 32.7 25.9 38.9

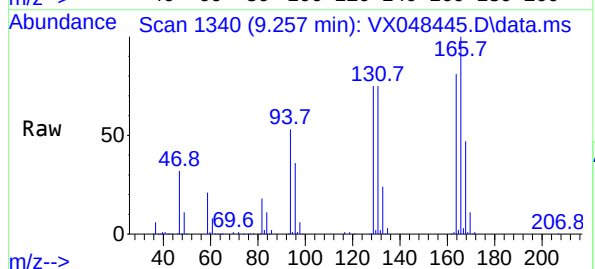
Manual Integrations

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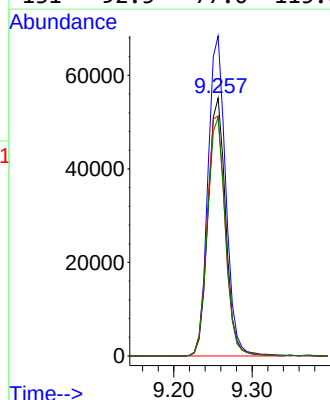
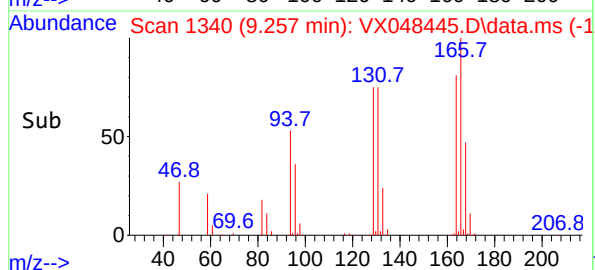
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

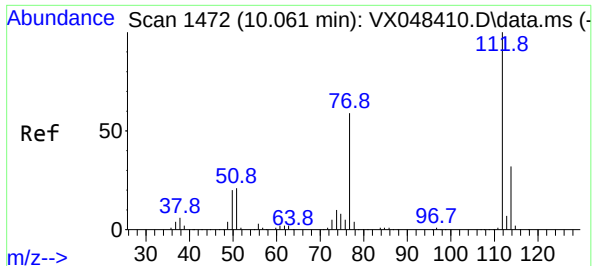


#64  
Tetrachloroethene  
Concen: 46.413 ug/l  
RT: 9.257 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14



Tgt Ion:164 Resp: 85963  
Ion Ratio Lower Upper  
164 100  
166 124.1 104.5 156.7  
129 93.1 81.8 122.6  
131 92.5 77.0 115.6





#65

Chlorobenzene

Concen: 46.686 ug/l

RT: 10.061 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 24736

Ion Ratio Lower Upper

112 100

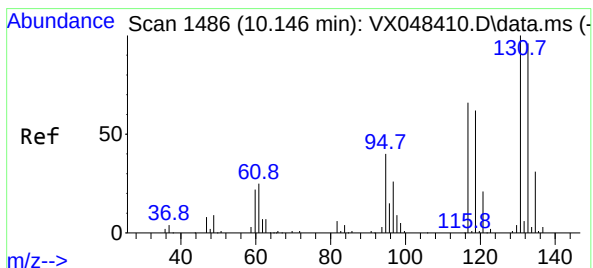
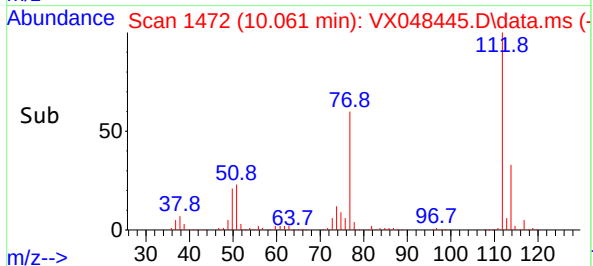
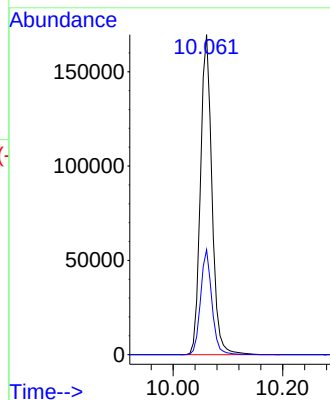
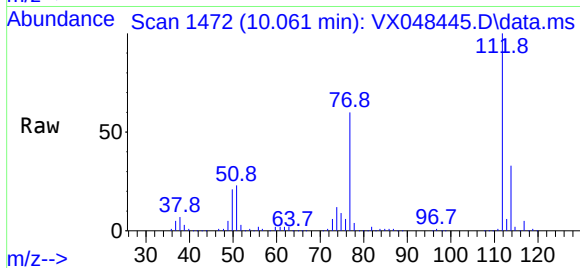
114 32.8 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 50.277 ug/l

RT: 10.140 min Scan# 1485

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

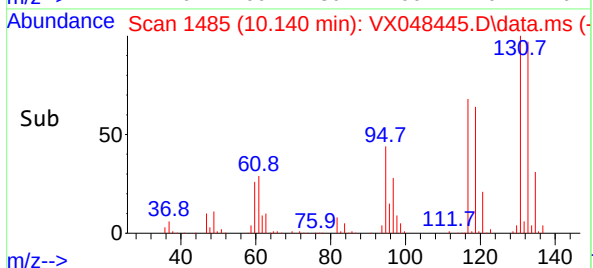
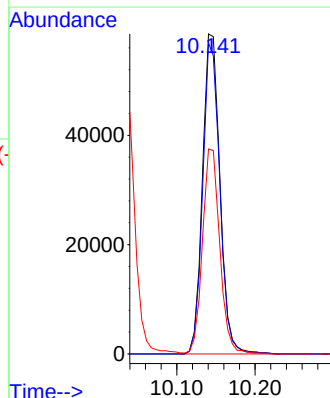
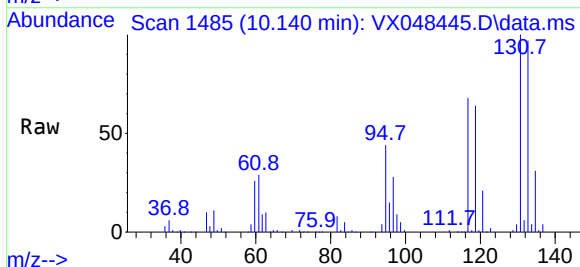
Tgt Ion:131 Resp: 90612

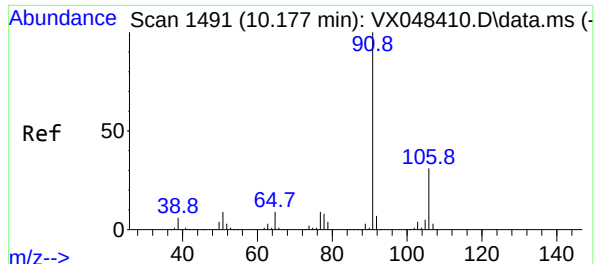
Ion Ratio Lower Upper

131 100

133 94.8 47.6 142.8

119 63.6 32.5 97.5





#67

Ethyl Benzene

Concen: 48.428 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 432029

Ion Ratio Lower Upper

91 100

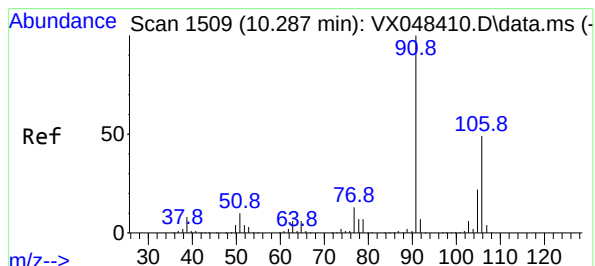
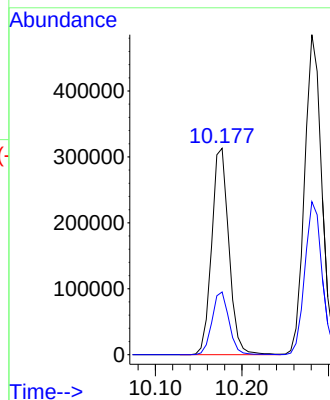
106 30.4 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#68

m/p-Xylenes

Concen: 95.928 ug/l

RT: 10.281 min Scan# 1508

Delta R.T. -0.006 min

Lab File: VX048445.D

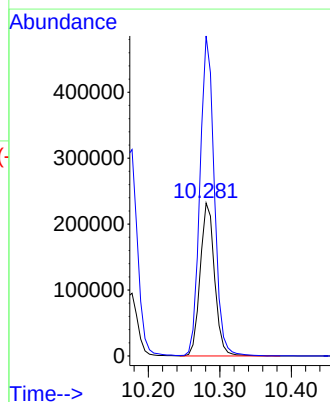
Acq: 03 Nov 2025 09:14

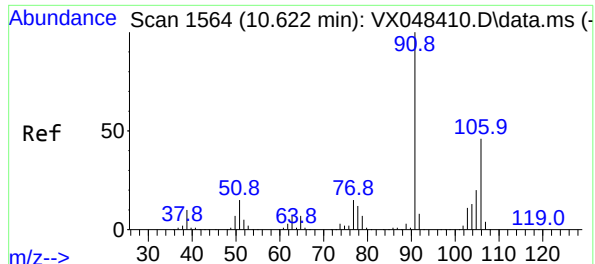
Tgt Ion:106 Resp: 324026

Ion Ratio Lower Upper

106 100

91 207.7 167.9 251.9





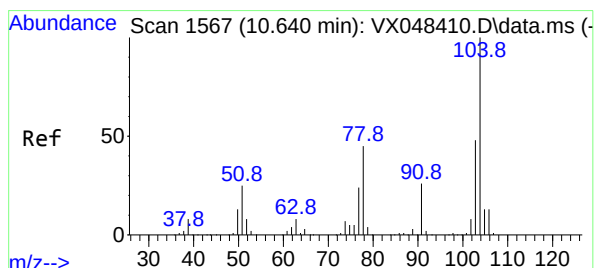
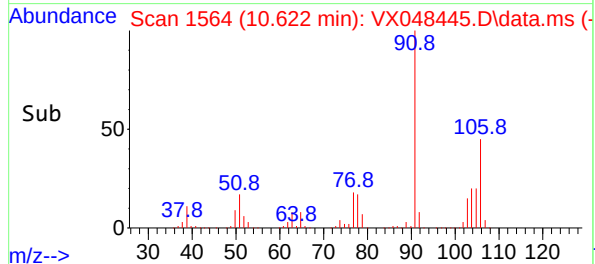
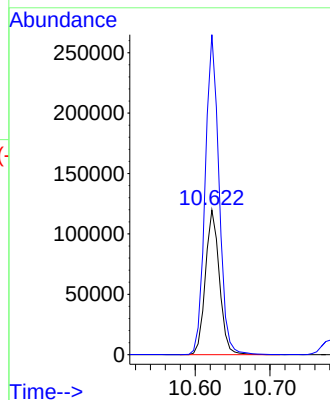
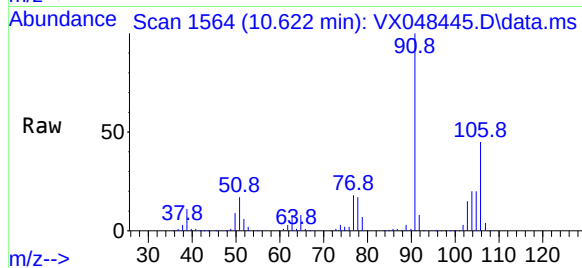
#69  
o-Xylene  
Concen: 48.147 ug/l  
RT: 10.622 min Scan# 1564  
Delta R.T. 0.000 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion:106 Resp: 15541  
Ion Ratio Lower Upper  
106 100  
91 219.4 111.3 333.9

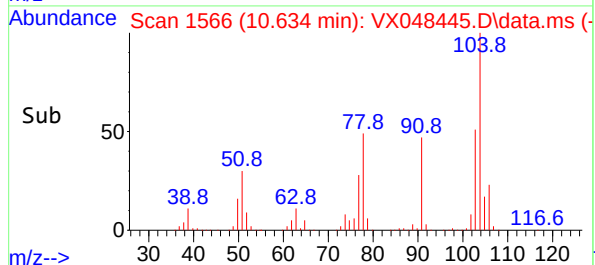
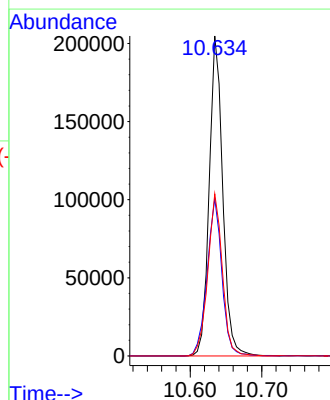
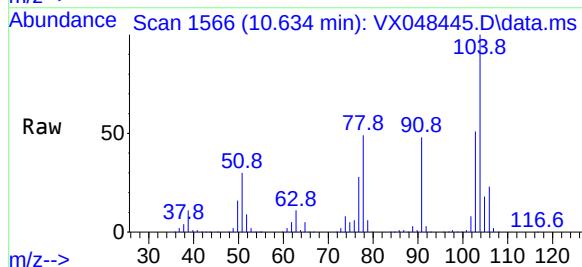
Manual Integrations  
APPROVED

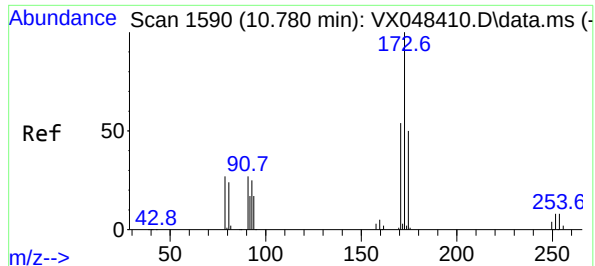
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#70  
Styrene  
Concen: 49.278 ug/l  
RT: 10.634 min Scan# 1566  
Delta R.T. -0.006 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Tgt Ion:104 Resp: 269453  
Ion Ratio Lower Upper  
104 100  
78 54.0 42.2 63.4  
103 54.6 43.0 64.4





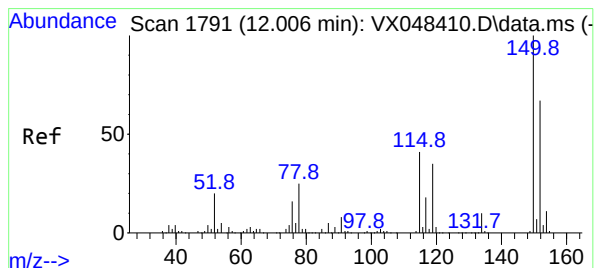
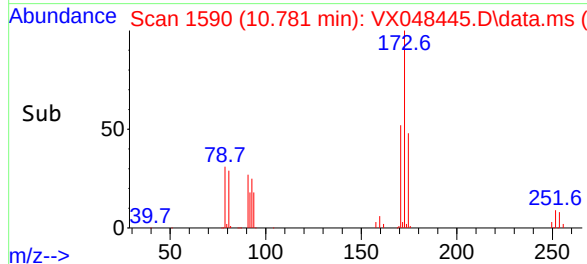
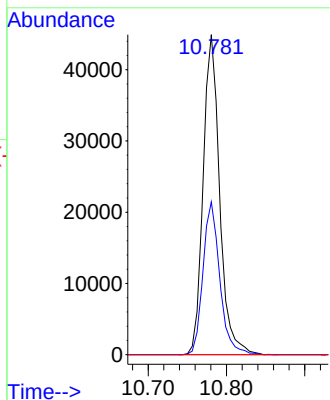
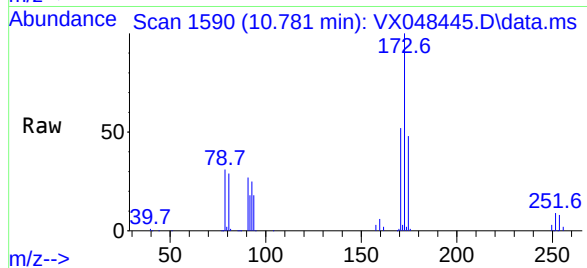
#71  
Bromoform  
Concen: 50.406 ug/l  
RT: 10.781 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion:173 Resp: 6571  
Ion Ratio Lower Upper  
173 100  
175 48.6 24.0 72.0  
254 0.0 0.0 0.0

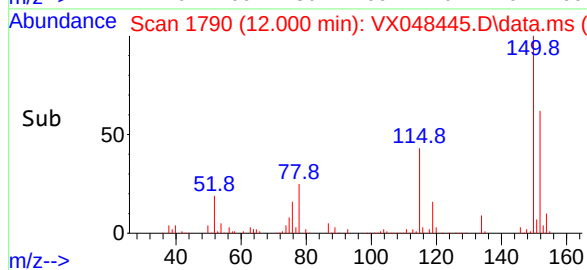
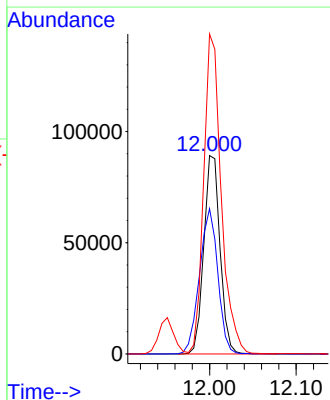
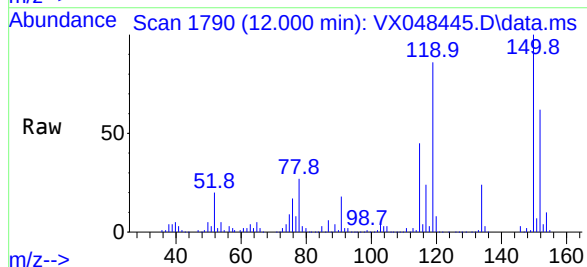
Manual Integrations  
APPROVED

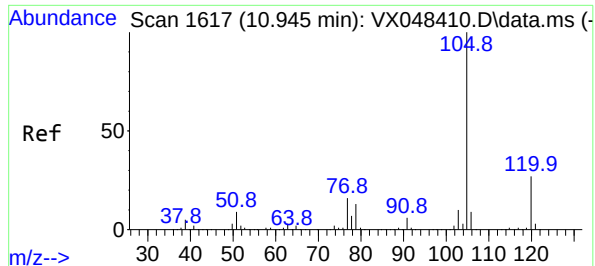
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.000 min Scan# 1790  
Delta R.T. -0.006 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Tgt Ion:152 Resp: 116056  
Ion Ratio Lower Upper  
152 100  
115 82.8 43.1 129.4  
150 173.8 0.0 353.0





#73

Isopropylbenzene

Concen: 54.466 ug/l

RT: 10.945 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 46753

Ion Ratio Lower Upper

105 100

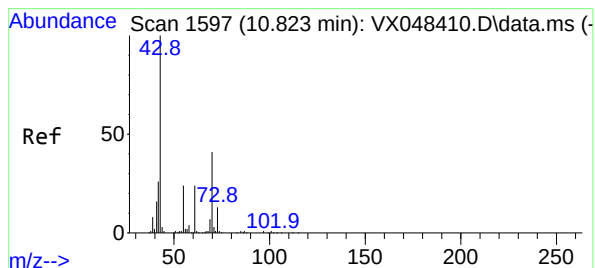
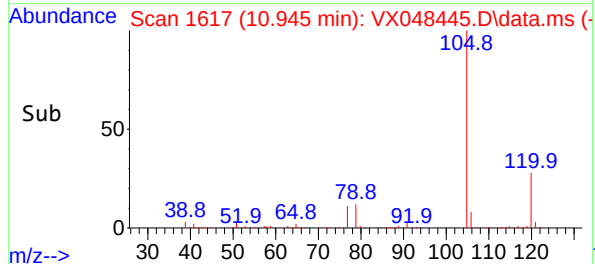
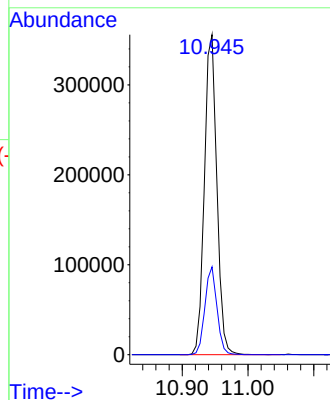
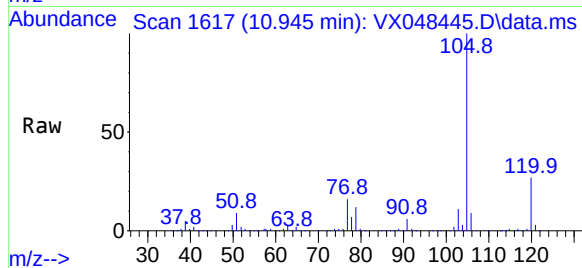
120 26.6 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#74

N-ethyl acetate

Concen: 48.246 ug/l

RT: 10.823 min Scan# 1597

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Tgt Ion: 43 Resp: 147742

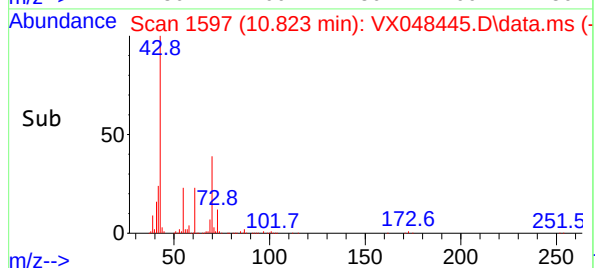
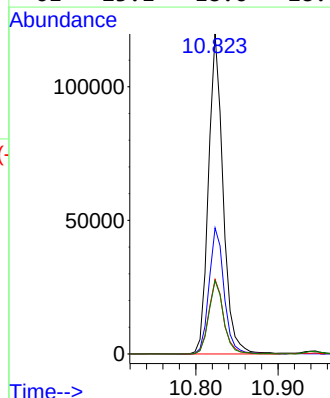
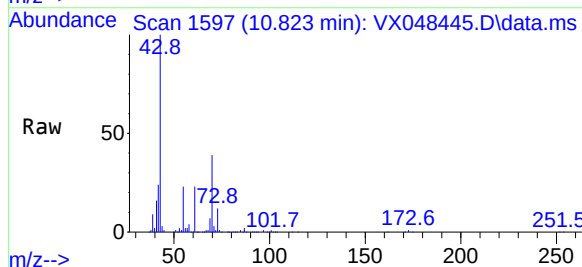
Ion Ratio Lower Upper

43 100

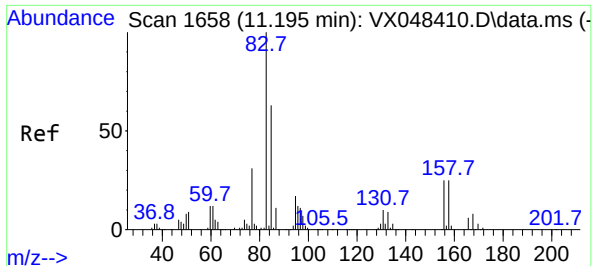
70 40.6 32.2 48.2

55 23.9 19.1 28.7

61 23.1 18.6 28.0







#75

1,1,2,2-Tetrachloroethane

Concen: 53.369 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 116039

Ion Ratio Lower Upper

83 100

131 10.6 4.8 14.4

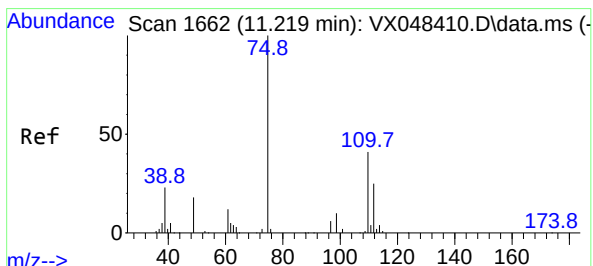
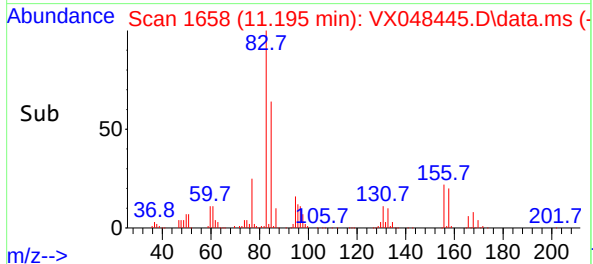
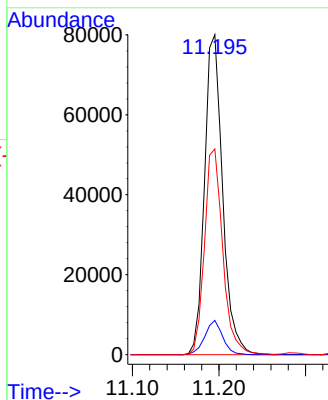
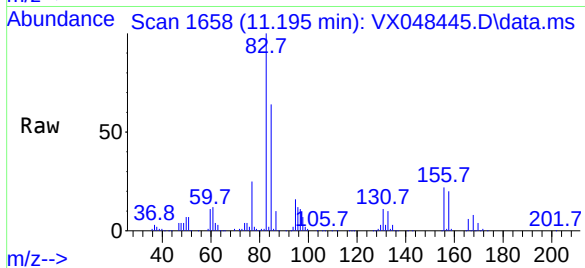
85 65.0 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#76

1,2,3-Trichloropropane

Concen: 56.776 ug/l m

RT: 11.220 min Scan# 1662

Delta R.T. 0.000 min

Lab File: VX048445.D

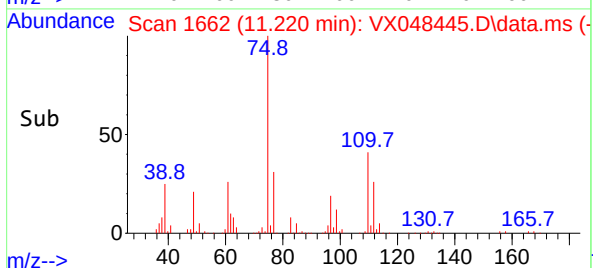
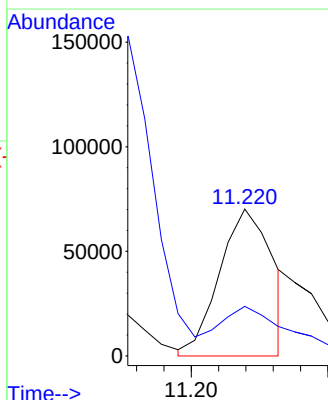
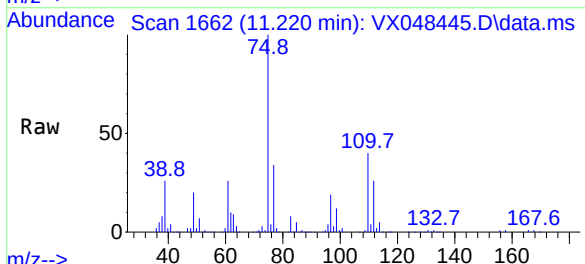
Acq: 03 Nov 2025 09:14

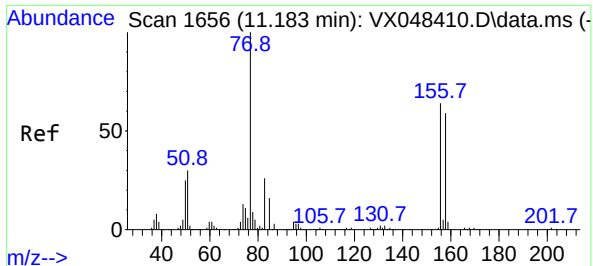
Tgt Ion: 75 Resp: 94762

Ion Ratio Lower Upper

75 100

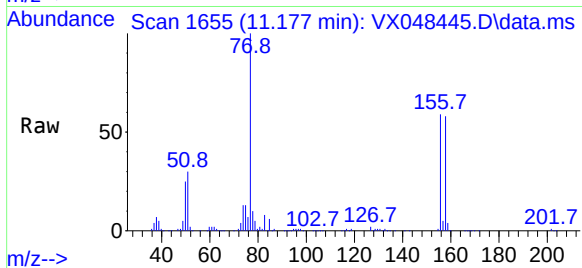
77 45.1 22.4 67.2





#77  
Bromobenzene  
Concen: 56.251 ug/l  
RT: 11.177 min Scan# 1655  
Delta R.T. -0.006 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

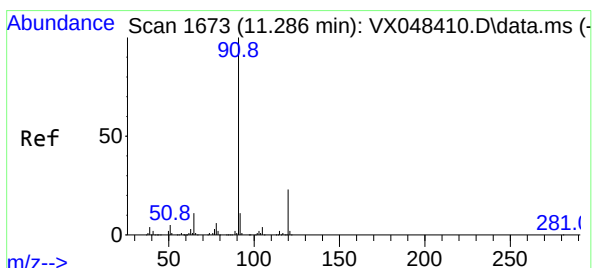
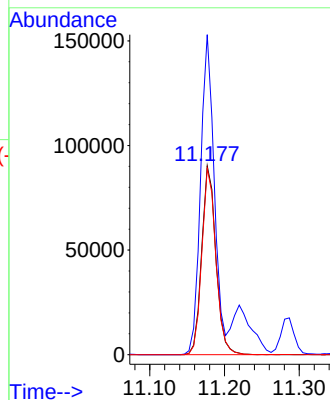
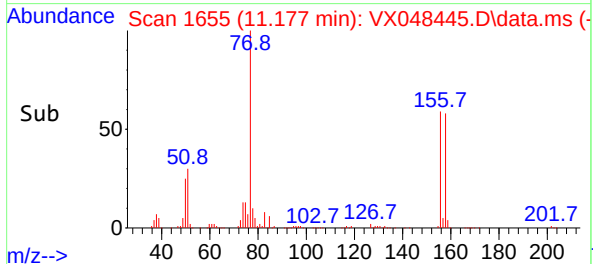
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



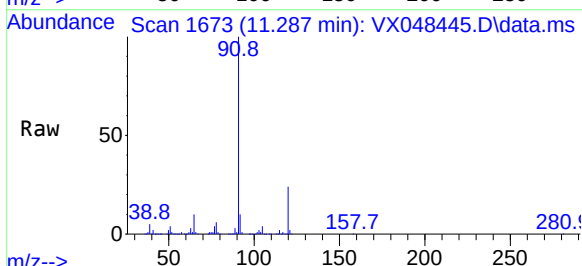
Tgt Ion:156 Resp: 11927  
Ion Ratio Lower Upper  
156 100  
77 162.9 87.0 261.0  
158 97.4 47.8 143.4

Manual Integrations  
APPROVED

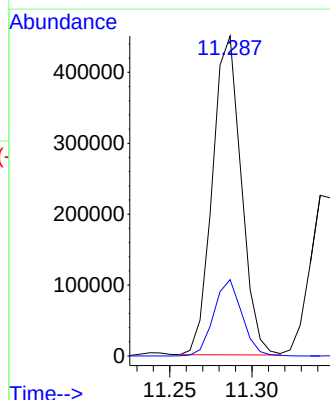
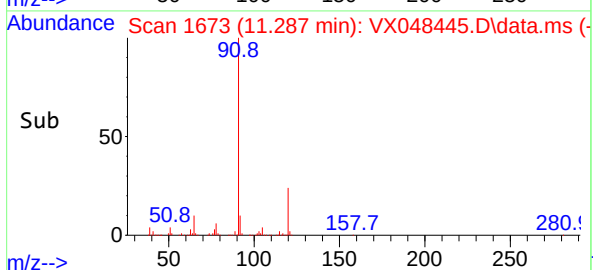
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

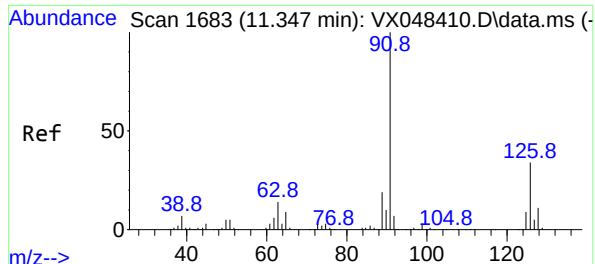


#78  
n-propylbenzene  
Concen: 54.130 ug/l  
RT: 11.287 min Scan# 1673  
Delta R.T. 0.000 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14



Tgt Ion: 91 Resp: 549175  
Ion Ratio Lower Upper  
91 100  
120 23.4 11.1 33.1





#79

2-Chlorotoluene

Concen: 49.249 ug/l

RT: 11.342 min Scan# 1682

Delta R.T. -0.006 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 299997

Ion Ratio Lower Upper

91 100

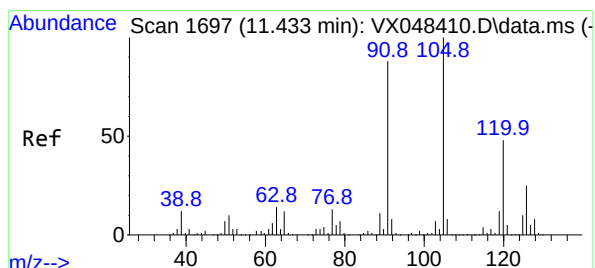
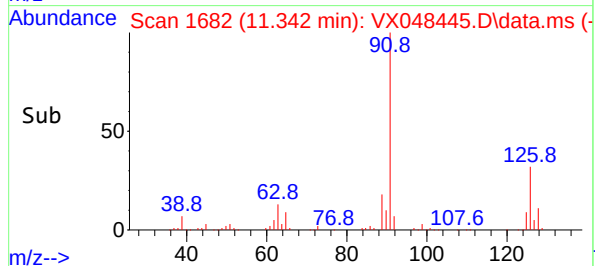
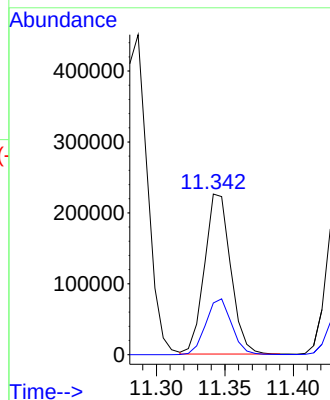
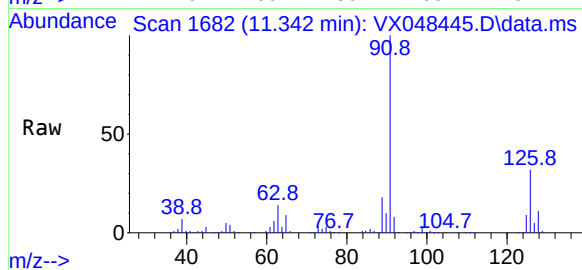
126 34.5 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#80

1,3,5-Trimethylbenzene

Concen: 49.639 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VX048445.D

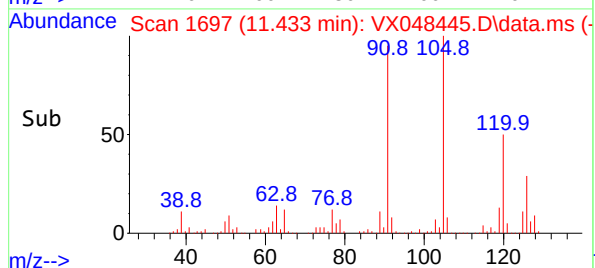
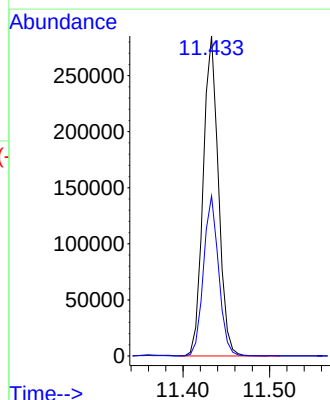
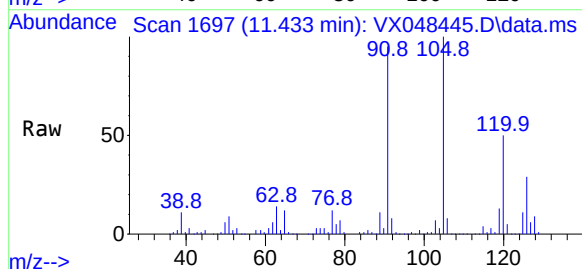
Acq: 03 Nov 2025 09:14

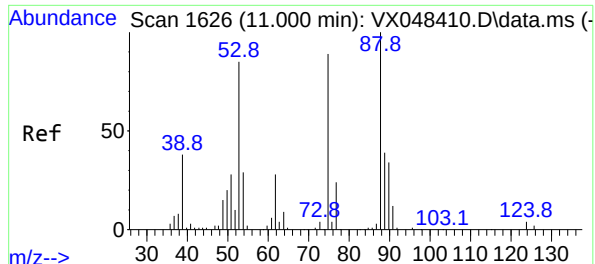
Tgt Ion:105 Resp: 349288

Ion Ratio Lower Upper

105 100

120 49.5 24.0 72.0





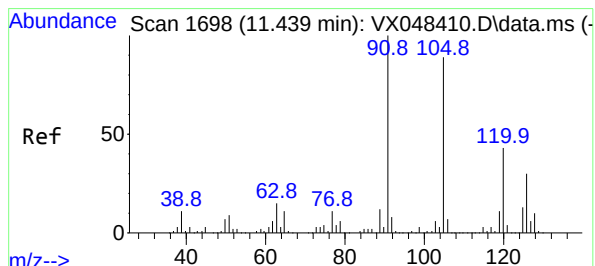
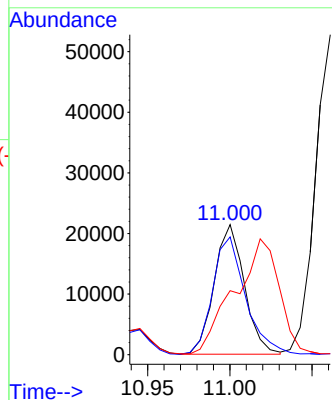
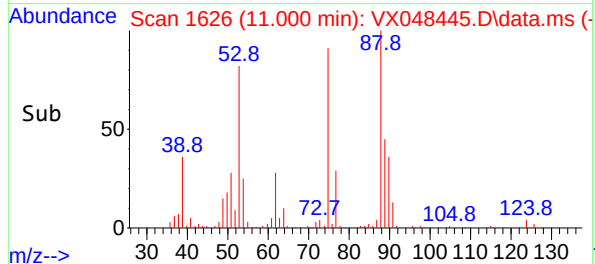
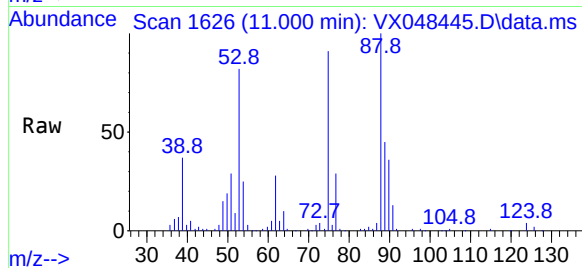
#81  
trans-1,4-Dichloro-2-butene  
Concen: 56.613 ug/l  
RT: 11.000 min Scan# 1626  
Delta R.T. 0.000 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 75 Resp: 27304  
Ion Ratio Lower Upper  
75 100  
53 99.0 79.5 119.3  
89 133.4 36.8 55.2

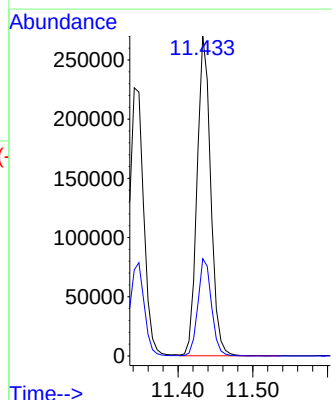
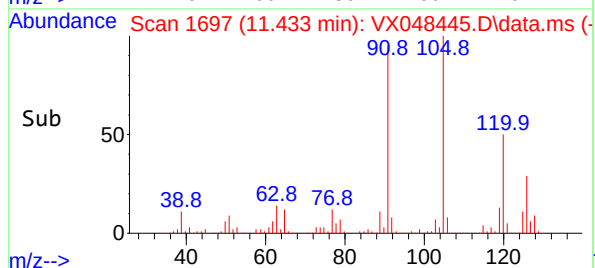
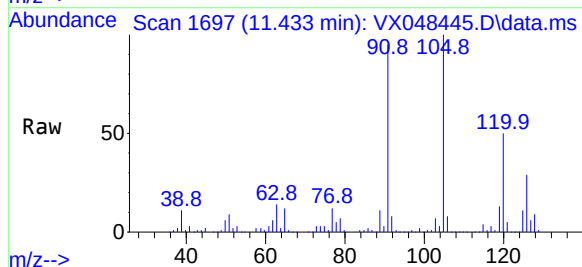
Manual Integrations  
APPROVED

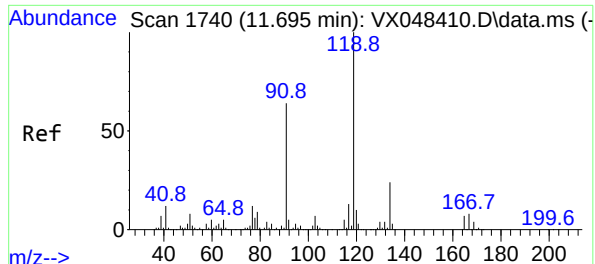
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#82  
4-Chlorotoluene  
Concen: 47.662 ug/l  
RT: 11.433 min Scan# 1697  
Delta R.T. -0.006 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Tgt Ion: 91 Resp: 341305  
Ion Ratio Lower Upper  
91 100  
126 30.3 14.1 42.4





#83

tert-Butylbenzene

Concen: 45.660 ug/l

RT: 11.695 min Scan# 1740

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 327090

Ion Ratio Lower Upper

119 100

91 58.1 30.3 91.0

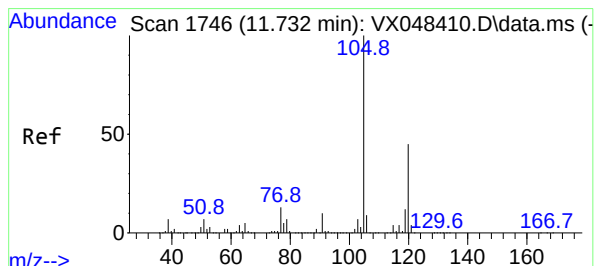
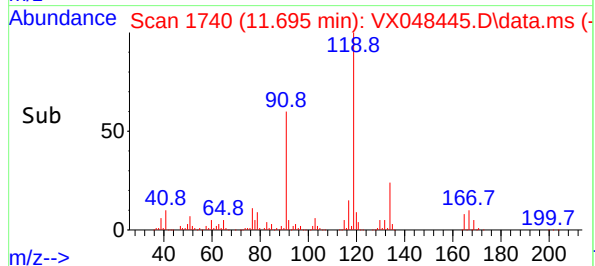
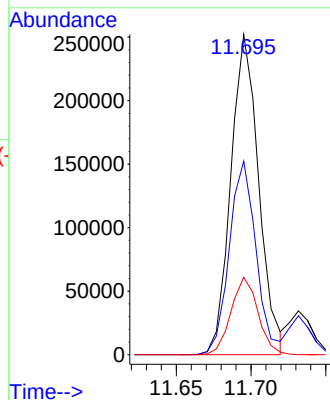
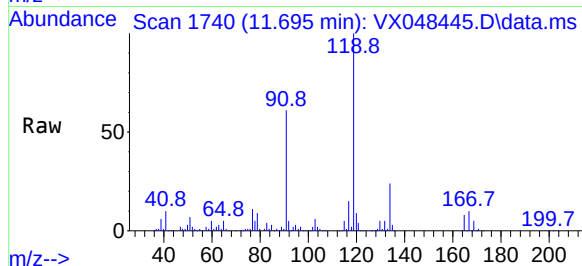
134 23.4 11.4 34.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#84

1,2,4-Trimethylbenzene

Concen: 48.429 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. 0.000 min

Lab File: VX048445.D

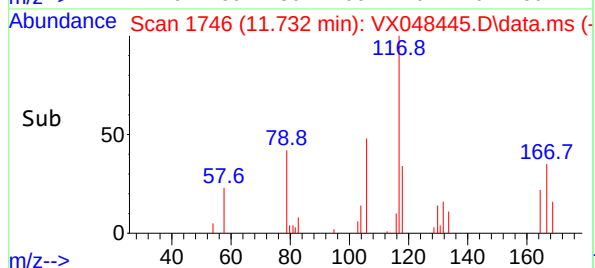
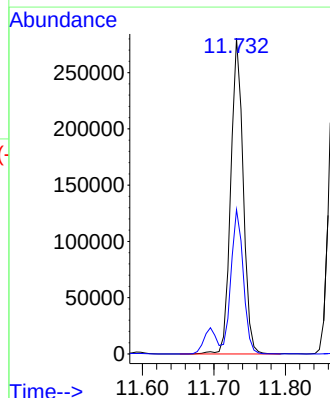
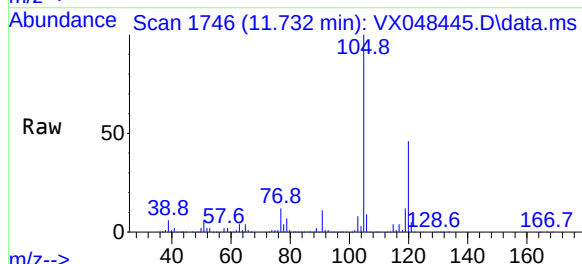
Acq: 03 Nov 2025 09:14

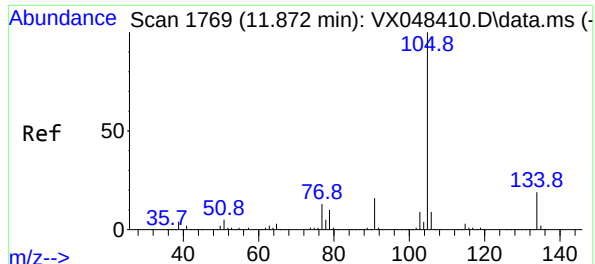
Tgt Ion:105 Resp: 337416

Ion Ratio Lower Upper

105 100

120 45.5 22.1 66.5





#85

sec-Butylbenzene

Concen: 46.005 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Tgt Ion:105 Resp: 41064

Ion Ratio Lower Upper

105 100

134 20.6 10.1 30.1

Instrument :

MSVOA\_X

ClientSampleId :

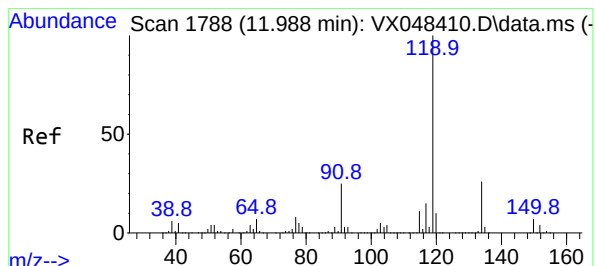
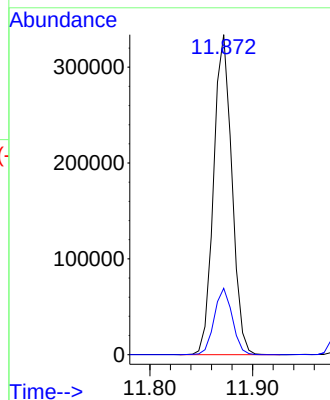
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#86

p-Isopropyltoluene

Concen: 47.470 ug/l

RT: 11.988 min Scan# 1788

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

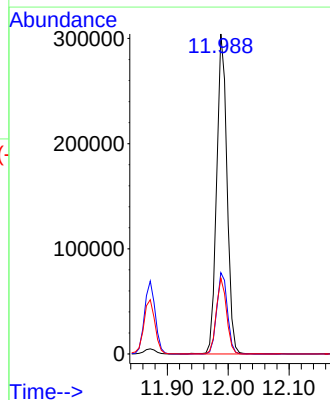
Tgt Ion:119 Resp: 358216

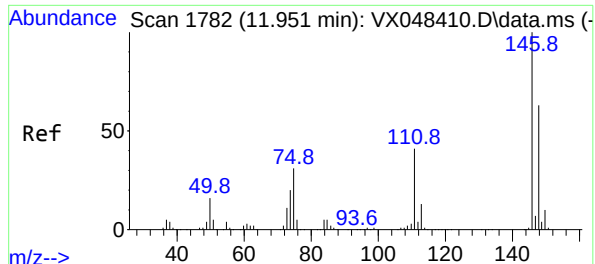
Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 23.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 47.190 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 191099

Ion Ratio Lower Upper

146 100

111 40.3 20.4 61.2

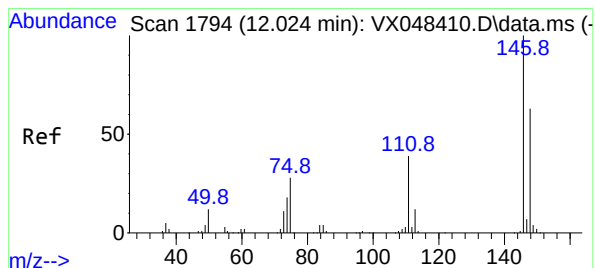
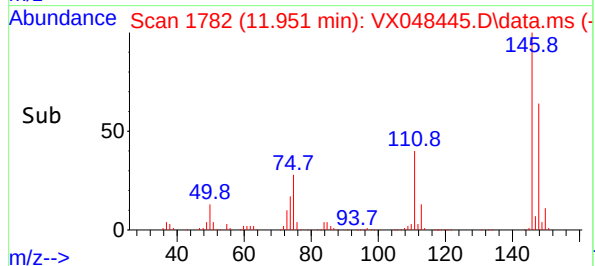
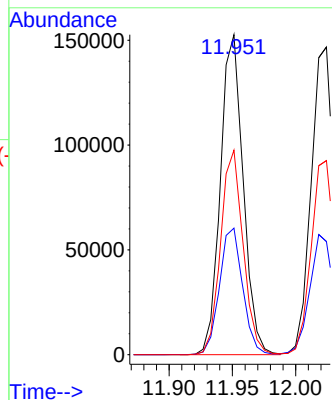
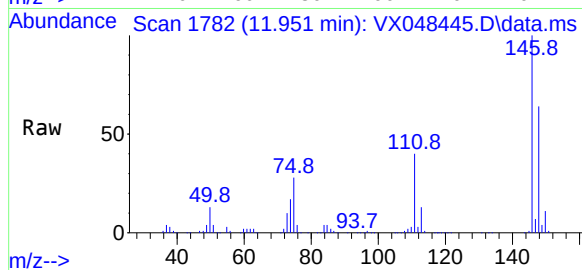
148 63.2 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#88

1,4-Dichlorobenzene

Concen: 46.453 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

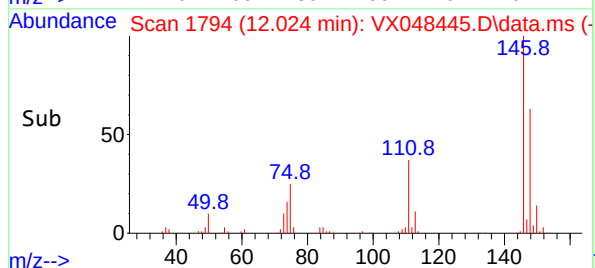
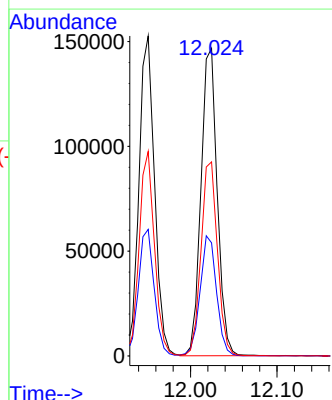
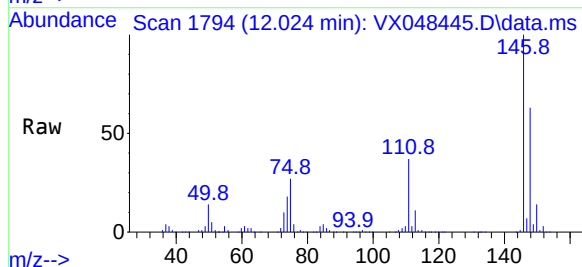
Tgt Ion:146 Resp: 191596

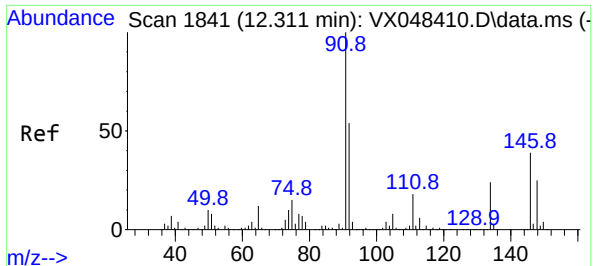
Ion Ratio Lower Upper

146 100

111 39.6 20.1 60.2

148 63.8 31.8 95.3





#89

n-Butylbenzene

Concen: 44.596 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 31596

Ion Ratio Lower Upper

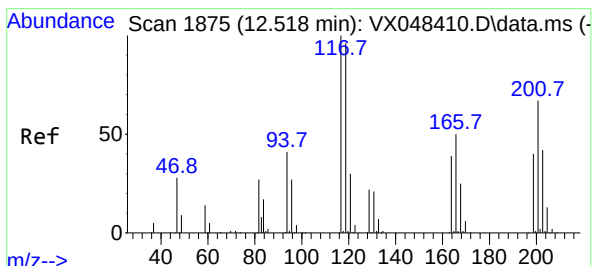
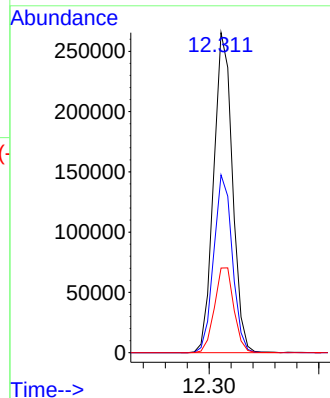
91 100

92 55.0 26.9 80.6

134 27.4 12.7 38.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

#90

Hexachloroethane

Concen: 50.095 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VX048445.D

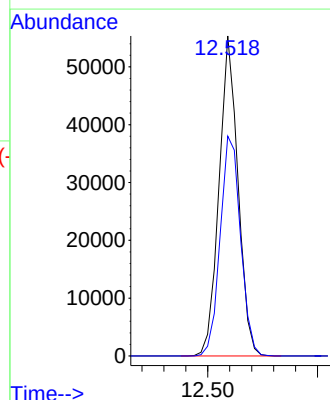
Acq: 03 Nov 2025 09:14

Tgt Ion:117 Resp: 66425

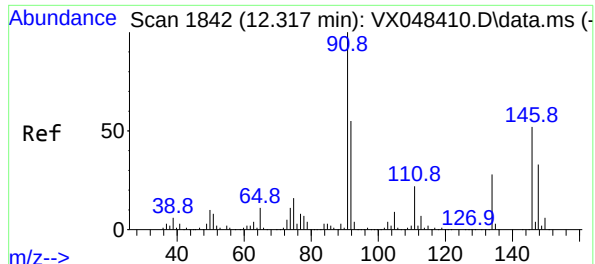
Ion Ratio Lower Upper

117 100

201 73.8 34.1 102.2







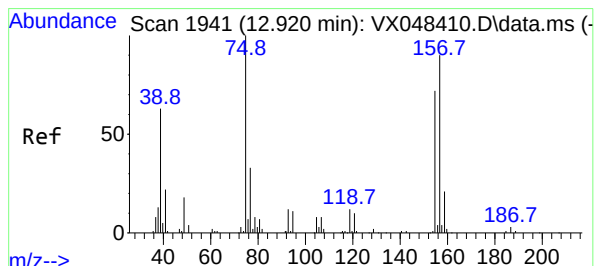
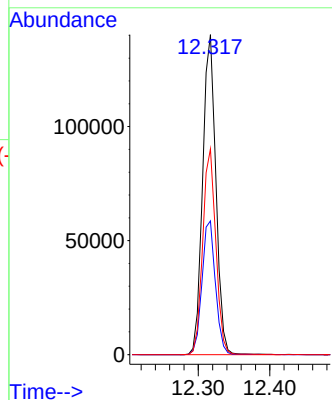
#91  
1,2-Dichlorobenzene  
Concen: 48.080 ug/l  
RT: 12.317 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion:146 Resp: 180428  
Ion Ratio Lower Upper  
146 100  
111 42.6 21.9 65.5  
148 63.8 31.9 95.5

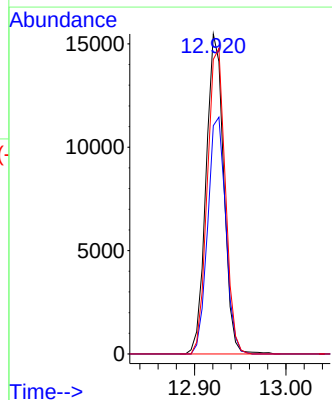
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

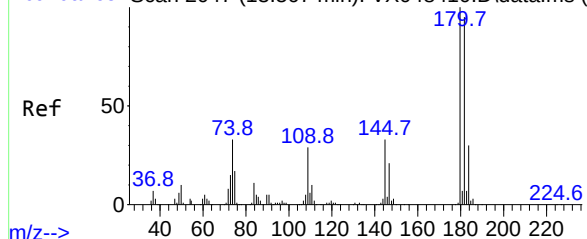


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 48.700 ug/l  
RT: 12.920 min Scan# 1941  
Delta R.T. 0.000 min  
Lab File: VX048445.D  
Acq: 03 Nov 2025 09:14

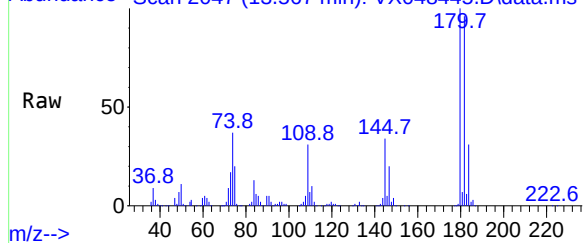
Tgt Ion: 75 Resp: 20735  
Ion Ratio Lower Upper  
75 100  
155 75.3 42.8 128.4  
157 96.6 54.2 162.6



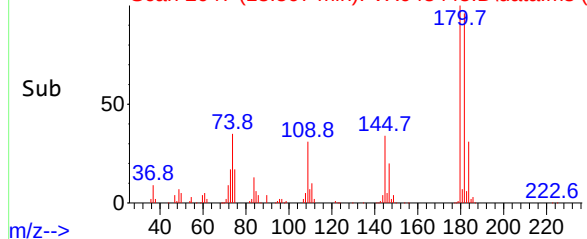
Abundance Scan 2047 (13.567 min): VX048410.D\data.ms (-



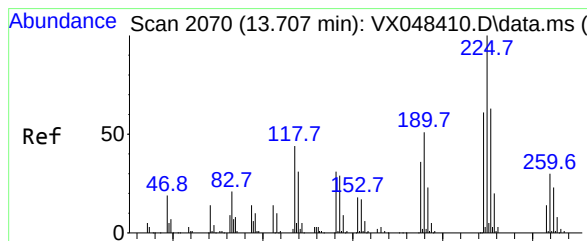
m/z--&gt; Abundance Scan 2047 (13.567 min): VX048445.D\data.ms (-



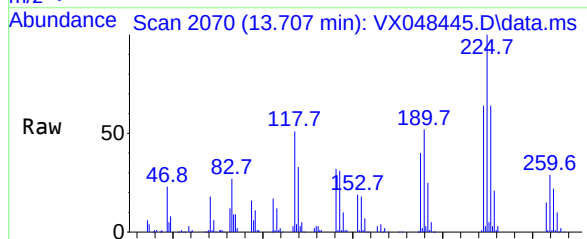
m/z--&gt; Abundance Scan 2047 (13.567 min): VX048445.D\data.ms (-



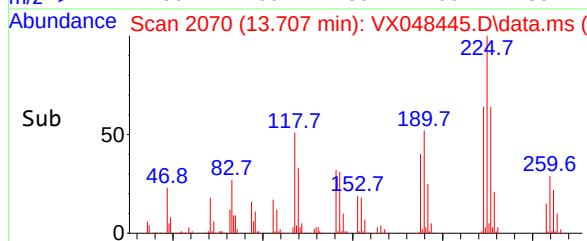
m/z--&gt; Abundance Scan 2070 (13.707 min): VX048410.D\data.ms (-



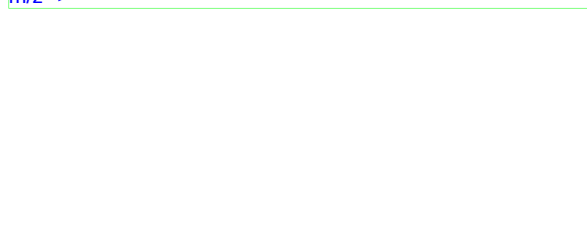
m/z--&gt; Abundance Scan 2070 (13.707 min): VX048445.D\data.ms (-



m/z--&gt; Abundance Scan 2070 (13.707 min): VX048445.D\data.ms (-



m/z--&gt; Abundance Scan 2047 (13.567 min): VX048445.D\data.ms (-



m/z--&gt; Abundance Scan 2070 (13.707 min): VX048445.D\data.ms (-



m/z--&gt; Abundance Scan 2047 (13.567 min): VX048445.D\data.ms (-



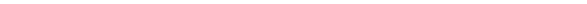
m/z--&gt; Abundance Scan 2070 (13.707 min): VX048445.D\data.ms (-



m/z--&gt; Abundance Scan 2047 (13.567 min): VX048445.D\data.ms (-



m/z--&gt; Abundance Scan 2070 (13.707 min): VX048445.D\data.ms (-



#93

1,2,4-Trichlorobenzene

Concen: 45.100 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Tgt Ion:180 Resp: 11678

Ion Ratio Lower Upper

180 100

182 93.2 47.3 142.0

145 32.0 16.3 48.9

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

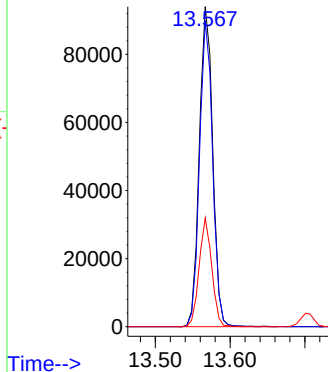
Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

Abundance



#94

Hexachlorobutadiene

Concen: 41.627 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Tgt Ion:225 Resp: 45216

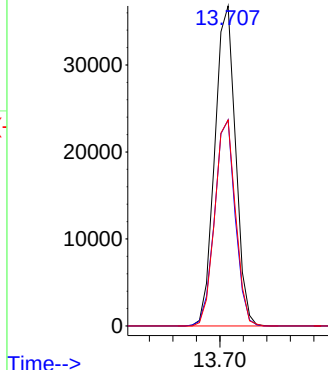
Ion Ratio Lower Upper

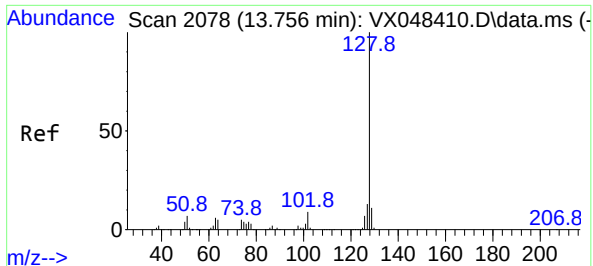
225 100

223 63.8 32.6 97.7

227 64.3 32.5 97.4

Abundance





#95

Naphthalene

Concen: 45.778 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

Instrument :

MSVOA\_X

ClientSampleId :

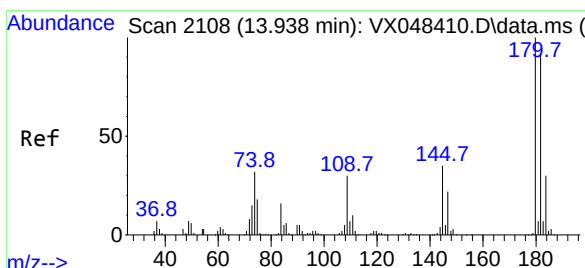
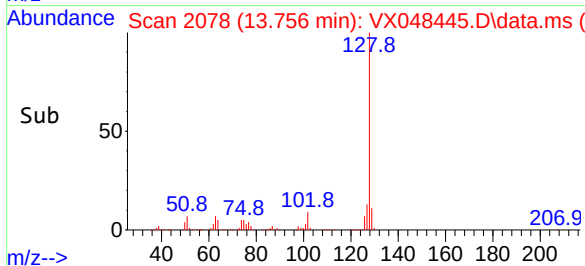
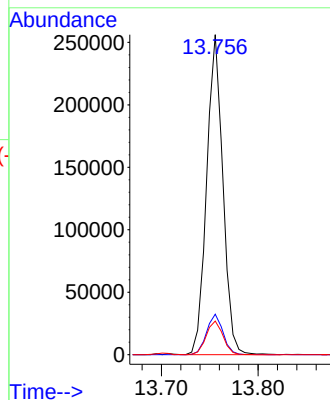
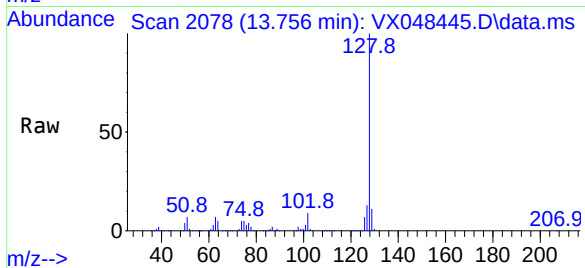
VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 299390 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.8  | 10.2  | 15.4   |
| 129      | 11.0  | 8.6   | 12.8   |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#96

1,2,3-Trichlorobenzene

Concen: 45.765 ug/l

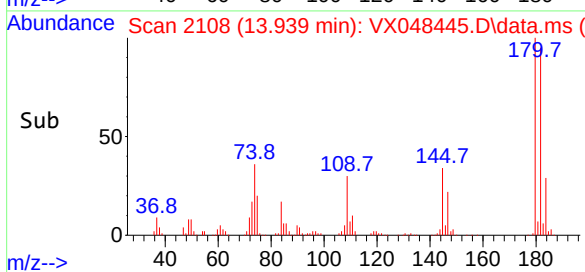
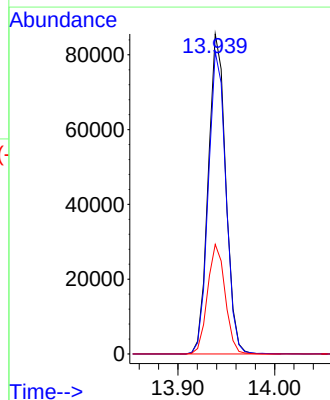
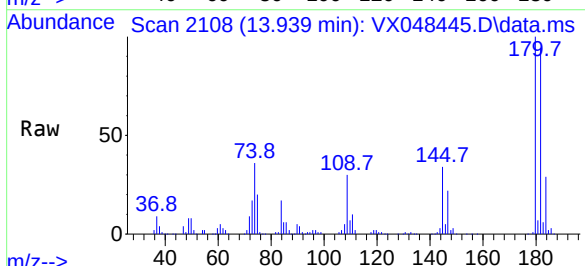
RT: 13.939 min Scan# 2108

Delta R.T. 0.000 min

Lab File: VX048445.D

Acq: 03 Nov 2025 09:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 107645 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.8  | 46.6  | 139.7  |
| 145      | 34.4  | 16.9  | 50.7   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048445.D  
Acq On : 03 Nov 2025 09:14  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Nov 04 00:07:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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   | 114   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.172  | 13.7  | 93    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.122  | 9.8   | 109   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.743  | 4.5#  | 109   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.955  | -3.9  | 118   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.761  | 4.5   | 110   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.755  | 6.5   | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.692  | -3.4  | 124   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.697  | 0.6   | 111   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 39.939  | 20.1  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 206.732 | 17.3  | 98    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.941  | -1.9# | 117   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 253.826 | -1.5  | 119   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 41.384  | 17.2  | 100   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 206.221 | 17.5  | 96    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 238.641 | 4.5   | 112   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.290  | 15.4  | 96    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 42.019  | 16.0  | 106   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 44.288  | 11.4  | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 43.232  | 13.5  | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 42.231  | 15.5  | 98    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 43.800  | 12.4  | 102   | -0.01    |
| 23 T  | Vinyl Acetate               | 250.000 | 224.625 | 10.2  | 106   | -0.01    |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 43.215  | 13.6  | 102   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 209.435 | 16.2  | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.773  | 10.5  | 106   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 41.377  | 17.2  | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.979  | -6.0  | 122   | -0.02    |
| 29 T  | Tetrahydrofuran             | 250.000 | 215.222 | 13.9  | 101   | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 46.316  | 7.4#  | 110   | -0.01    |
| 31 T  | Cyclohexane                 | 50.000  | 44.663  | 10.7  | 100   | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.232  | 3.5   | 111   | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.129  | 9.7   | 110   | -0.01    |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 60.689  | -21.4 | 124   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.422  | -10.8 | 107   | -0.01    |
| 37 T  | Ethyl Acetate               | 50.000  | 49.908  | 0.2   | 98    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 55.059  | -10.1 | 107   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 44.499  | 11.0  | 81    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 57.824  | -15.6 | 113   | -0.01    |
| 41 T  | Methacrylonitrile           | 50.000  | 60.144  | -20.3 | 113   | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 57.694  | -15.4 | 117   | -0.01    |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.203  | -0.4  | 99    | -0.01    |
| 44 TM | Trichloroethene             | 50.000  | 47.733  | 4.5   | 94    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.407  | 3.2#  | 96    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.930  | -3.9  | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.490  | -7.0  | 106   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.278  | -2.6  | 99    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048445.D  
Acq On : 03 Nov 2025 09:14  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Nov 04 00:07:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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 | 1021.643 | -2.2  | 95    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.858   | 0.3   | 101   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 241.985  | 3.2   | 95    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.125   | 3.8#  | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.527   | -5.1  | 103   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.090   | -2.2  | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.713   | 2.6   | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.587   | 2.8   | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.821   | 2.4   | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 247.323  | 1.1   | 100   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 240.921  | 3.6   | 92    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.215   | -2.4  | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.910   | 0.2   | 99    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 56.400   | -12.8 | 117   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.413   | 7.2   | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.686   | 6.6   | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.277   | -0.6  | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.428   | 3.1#  | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 95.928   | 4.1   | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.147   | 3.7   | 93    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.278   | 1.4   | 96    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.406   | -0.8  | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 54.466   | -8.9  | 108   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.246   | 3.5   | 95    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.369   | -6.7  | 110   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 56.776   | -13.6 | 113   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 56.251   | -12.5 | 116   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.130   | -8.3  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.249   | 1.5   | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.639   | 0.7   | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 56.613   | -13.2 | 116   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.662   | 4.7   | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.660   | 8.7   | 90    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.429   | 3.1   | 95    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.005   | 8.0   | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.470   | 5.1   | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.190   | 5.6   | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.453   | 7.1   | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 44.596   | 10.8  | 88    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.095   | -0.2  | 99    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.080   | 3.8   | 100   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.700   | 2.6   | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 45.100   | 9.8   | 93    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 41.627   | 16.7  | 83    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 45.778   | 8.4   | 90    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048445.D  
Acq On : 03 Nov 2025 09:14  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Nov 04 00:07:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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 | 45.765 | 8.5  | 92    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048445.D  
Acq On : 03 Nov 2025 09:14  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 04 00:07:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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   | 114   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.510 | 0.440 | 13.7  | 93    | 0.00     |
| 3 P   | Chloromethane               | 0.288 | 0.260 | 9.7   | 109   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.665 | 0.635 | 4.5#  | 109   | 0.00     |
| 5 T   | Bromomethane                | 0.240 | 0.250 | -4.2  | 118   | 0.00     |
| 6 T   | Chloroethane                | 0.395 | 0.378 | 4.3   | 110   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.019 | 0.953 | 6.5   | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 0.368 | 0.381 | -3.5  | 124   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.573 | 0.569 | 0.7   | 111   | 0.00     |
| 10 T  | Methyl Iodide               | 2.304 | 1.840 | 20.1  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.055 | 0.046 | 16.4  | 98    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.582 | 0.593 | -1.9# | 117   | 0.00     |
| 13 T  | Acrolein                    | 0.115 | 0.117 | -1.7  | 119   | 0.00     |
| 14 T  | Allyl chloride              | 0.986 | 0.816 | 17.2  | 100   | 0.00     |
| 15 T  | Acrylonitrile               | 0.251 | 0.207 | 17.5  | 96    | 0.00     |
| 16 T  | Acetone                     | 0.163 | 0.156 | 4.3   | 112   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.669 | 1.411 | 15.5  | 96    | 0.00     |
| 18 T  | Methyl Acetate              | 0.545 | 0.458 | 16.0  | 106   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.864 | 1.651 | 11.4  | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 0.628 | 0.543 | 13.5  | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.618 | 0.522 | 15.5  | 98    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.017 | 1.767 | 12.4  | 102   | -0.01    |
| 23 T  | Vinyl Acetate               | 1.373 | 1.234 | 10.1  | 106   | -0.01    |
| 24 P  | 1,1-Dichloroethane          | 1.145 | 0.990 | 13.5  | 102   | 0.00     |
| 25 T  | 2-Butanone                  | 0.260 | 0.218 | 16.2  | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.986 | 0.883 | 10.4  | 106   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 0.738 | 0.611 | 17.2  | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 0.519 | 0.550 | -6.0  | 122   | -0.02    |
| 29 T  | Tetrahydrofuran             | 0.185 | 0.160 | 13.5  | 101   | -0.01    |
| 30 C  | Chloroform                  | 1.178 | 1.091 | 7.4#  | 110   | -0.01    |
| 31 T  | Cyclohexane                 | 0.994 | 0.888 | 10.7  | 100   | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 1.040 | 1.003 | 3.6   | 111   | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 0.719 | 0.649 | 9.7   | 110   | -0.01    |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.285 | 0.346 | -21.4 | 124   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 0.479 | 0.531 | -10.9 | 107   | -0.01    |
| 37 T  | Ethyl Acetate               | 0.408 | 0.407 | 0.2   | 98    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 0.553 | 0.609 | -10.1 | 107   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.616 | 0.548 | 11.0  | 81    | 0.00     |
| 40 TM | Benzene                     | 1.462 | 1.691 | -15.7 | 113   | -0.01    |
| 41 T  | Methacrylonitrile           | 0.205 | 0.247 | -20.5 | 113   | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 0.515 | 0.594 | -15.3 | 117   | -0.01    |
| 43 T  | Isopropyl Acetate           | 0.673 | 0.676 | -0.4  | 99    | -0.01    |
| 44 TM | Trichloroethene             | 0.383 | 0.366 | 4.4   | 94    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.365 | 0.354 | 3.0#  | 96    | 0.00     |
| 46 T  | Dibromomethane              | 0.256 | 0.266 | -3.9  | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.543 | 0.581 | -7.0  | 106   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.328 | 0.337 | -2.7  | 99    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048445.D  
Acq On : 03 Nov 2025 09:14  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 04 00:07:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.004 | 0.004 | 0.0   | 95    | 0.00     |
| 50 S  | Toluene-d8                  | 1.258 | 1.255 | 0.2   | 101   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.375 | 0.363 | 3.2   | 95    | 0.00     |
| 52 CM | Toluene                     | 0.914 | 0.880 | 3.7#  | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.492 | 0.517 | -5.1  | 103   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.531 | 0.542 | -2.1  | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.331 | 0.322 | 2.7   | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.484 | 0.471 | 2.7   | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.573 | 0.560 | 2.3   | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.251 | 0.285 | -13.5 | 100   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.244 | 0.235 | 3.7   | 92    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.409 | 0.419 | -2.4  | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.342 | 0.342 | 0.0   | 99    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.471 | 0.531 | -12.7 | 117   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.403 | 0.374 | 7.2   | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 1.152 | 1.076 | 6.6   | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.392 | 0.394 | -0.5  | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.940 | 1.879 | 3.1#  | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.734 | 0.704 | 4.1   | 92    | 0.00     |
| 69 T  | o-Xylene                    | 0.702 | 0.676 | 3.7   | 93    | 0.00     |
| 70 T  | Styrene                     | 1.189 | 1.172 | 1.4   | 96    | 0.00     |
| 71 P  | Bromoform                   | 0.283 | 0.286 | -1.1  | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.698 | 4.029 | -9.0  | 108   | 0.00     |
| 74 T  | N-amyl acetate              | 1.319 | 1.273 | 3.5   | 95    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.937 | 1.000 | -6.7  | 110   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.719 | 0.817 | -13.6 | 113   | 0.00     |
| 77 T  | Bromobenzene                | 0.914 | 1.028 | -12.5 | 116   | 0.00     |
| 78 T  | n-propylbenzene             | 4.371 | 4.732 | -8.3  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.624 | 2.585 | 1.5   | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.032 | 3.010 | 0.7   | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.208 | 0.235 | -13.0 | 116   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.085 | 2.941 | 4.7   | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.086 | 2.818 | 8.7   | 90    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.002 | 2.907 | 3.2   | 95    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.846 | 3.538 | 8.0   | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.251 | 3.087 | 5.0   | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.745 | 1.647 | 5.6   | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.777 | 1.651 | 7.1   | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.052 | 2.723 | 10.8  | 88    | 0.00     |
| 90 T  | Hexachloroethane            | 0.571 | 0.572 | -0.2  | 99    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.617 | 1.555 | 3.8   | 100   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.183 | 0.179 | 2.2   | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.116 | 1.006 | 9.9   | 93    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.468 | 0.390 | 16.7  | 83    | 0.00     |
| 95 T  | Naphthalene                 | 2.818 | 2.580 | 8.4   | 90    | 0.00     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048445.D  
Acq On : 03 Nov 2025 09:14  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 04 00:07:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.013 | 0.928 | 8.4  | 92    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6



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

## VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>AECO02</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3422</u>                        |
| Instrument ID:      | <u>MSVOA_Y</u>    | Calibration Date/Time: | <u>10/22/2025</u> <u>09:30</u>      |
| Lab File ID:        | <u>VY023543.D</u> | Init. Calib. Date(s):  | <u>10/07/2025</u> <u>10/07/2025</u> |
| Heated Purge: (Y/N) | <u>Y</u>          | Init. Calib. Time(s):  | <u>09:17</u> <u>12:32</u>           |
| GC Column:          | <u>RXI-624</u>    | ID:                    | <u>0.25</u> (mm)                    |

| COMPOUND                       | RRF   | RRF050 | MIN RRF | %D     | MAX%D |
|--------------------------------|-------|--------|---------|--------|-------|
| Dichlorodifluoromethane        | 0.360 | 0.308  |         | -14.44 | 20    |
| Chloromethane                  | 0.490 | 0.409  | 0.1     | -16.53 | 20    |
| Vinyl Chloride                 | 0.639 | 0.552  |         | -13.61 | 20    |
| Bromomethane                   | 0.536 | 0.456  |         | -14.93 | 20    |
| Chloroethane                   | 0.435 | 0.403  |         | -7.36  | 20    |
| Trichlorofluoromethane         | 0.887 | 0.857  |         | -3.38  | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.460 | 0.469  |         | 1.96   | 20    |
| 1,1-Dichloroethene             | 0.446 | 0.456  |         | 2.24   | 20    |
| Acetone                        | 0.100 | 0.096  |         | -4     | 20    |
| Carbon Disulfide               | 1.277 | 1.206  |         | -5.56  | 20    |
| Methyl tert-butyl Ether        | 1.072 | 1.142  |         | 6.53   | 20    |
| Methyl Acetate                 | 0.261 | 0.294  |         | 12.64  | 20    |
| Methylene Chloride             | 0.538 | 0.496  |         | -7.81  | 20    |
| trans-1,2-Dichloroethene       | 0.491 | 0.510  |         | 3.87   | 20    |
| 1,1-Dichloroethane             | 0.796 | 0.815  | 0.1     | 2.39   | 20    |
| Cyclohexane                    | 0.696 | 0.650  |         | -6.61  | 20    |
| 2-Butanone                     | 0.122 | 0.118  |         | -3.28  | 20    |
| Carbon Tetrachloride           | 0.493 | 0.522  |         | 5.88   | 20    |
| cis-1,2-Dichloroethene         | 0.567 | 0.611  |         | 7.76   | 20    |
| Bromochloromethane             | 0.297 | 0.257  |         | -13.47 | 20    |
| Chloroform                     | 0.875 | 0.928  |         | 6.06   | 20    |
| 1,1,1-Trichloroethane          | 0.795 | 0.839  |         | 5.53   | 20    |
| Methylcyclohexane              | 0.530 | 0.561  |         | 5.85   | 20    |
| Benzene                        | 1.288 | 1.371  |         | 6.44   | 20    |
| 1,2-Dichloroethane             | 0.332 | 0.340  |         | 2.41   | 20    |
| Trichloroethene                | 0.377 | 0.411  |         | 9.02   | 20    |
| 1,2-Dichloropropane            | 0.285 | 0.303  |         | 6.32   | 20    |
| Bromodichloromethane           | 0.453 | 0.487  |         | 7.51   | 20    |
| 4-Methyl-2-Pentanone           | 0.166 | 0.175  |         | 5.42   | 20    |
| Toluene                        | 0.836 | 0.926  |         | 10.77  | 20    |
| t-1,3-Dichloropropene          | 0.394 | 0.433  |         | 9.9    | 20    |
| cis-1,3-Dichloropropene        | 0.465 | 0.509  |         | 9.46   | 20    |
| 1,1,2-Trichloroethane          | 0.242 | 0.264  |         | 9.09   | 20    |
| 2-Hexanone                     | 0.119 | 0.129  |         | 8.4    | 20    |
| Dibromochloromethane           | 0.339 | 0.377  |         | 11.21  | 20    |
| 1,2-Dibromoethane              | 0.231 | 0.255  |         | 10.39  | 20    |
| Tetrachloroethene              | 0.516 | 0.580  |         | 12.4   | 20    |
| Chlorobenzene                  | 1.087 | 1.168  | 0.3     | 7.45   | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



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

## VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>AECO02</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3422</u>                        |
| Instrument ID:      | <u>MSVOA_Y</u>    | Calibration Date/Time: | <u>10/22/2025</u> <u>09:30</u>      |
| Lab File ID:        | <u>VY023543.D</u> | Init. Calib. Date(s):  | <u>10/07/2025</u> <u>10/07/2025</u> |
| Heated Purge: (Y/N) | <u>Y</u>          | Init. Calib. Time(s):  | <u>09:17</u> <u>12:32</u>           |
| GC Column:          | <u>RXI-624</u>    | ID:                    | <u>0.25</u> (mm)                    |

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 1.760 | 1.922  |            | 9.2   | 20    |
| m/p-Xylenes                 | 0.706 | 0.784  |            | 11.05 | 20    |
| o-Xylene                    | 0.662 | 0.739  |            | 11.63 | 20    |
| Styrene                     | 1.089 | 1.228  |            | 12.76 | 20    |
| Bromoform                   | 0.240 | 0.264  | 0.1        | 10    | 20    |
| Isopropylbenzene            | 3.295 | 3.699  |            | 12.26 | 20    |
| 1,1,2,2-Tetrachloroethane   | 0.539 | 0.562  | 0.3        | 4.27  | 20    |
| 1,3-Dichlorobenzene         | 1.706 | 1.845  |            | 8.15  | 20    |
| 1,4-Dichlorobenzene         | 1.685 | 1.798  |            | 6.71  | 20    |
| 1,2-Dichlorobenzene         | 1.496 | 1.634  |            | 9.23  | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.088 | 0.092  |            | 4.55  | 20    |
| 1,2,4-Trichlorobenzene      | 0.932 | 1.020  |            | 9.44  | 20    |
| 1,2,3-Trichlorobenzene      | 0.808 | 0.876  |            | 8.42  | 20    |
| 1,2-Dichloroethane-d4       | 0.418 | 0.381  |            | -8.85 | 20    |
| Dibromofluoromethane        | 0.307 | 0.307  |            | 0     | 20    |
| Toluene-d8                  | 1.144 | 1.136  |            | -0.7  | 20    |
| 4-Bromofluorobenzene        | 0.378 | 0.382  |            | 1.06  | 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\_Y\Data\VY102225\  
 Data File : VY023543.D  
 Acq On : 22 Oct 2025 09:30  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## ClientSampleId :

VSTDCCC050

## Manual Integrations

## APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 02:25:18 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 08 05:12:50 2025

Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 557873     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 806690     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.420         | 117  | 720008     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 373234     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.067          | 65   | 212794     | 45.615   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 91.220%  |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 247459     | 49.924   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 99.840%  |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 916029     | 49.624   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 99.240%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 307868     | 50.517   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 101.040% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 172025     | 42.840   | ug/l   | 99       |
| 3) Chloromethane             | 2.074          | 50   | 228434     | 41.760   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.208          | 62   | 307788     | 43.199   | ug/l   | 98       |
| 5) Bromomethane              | 2.598          | 94   | 254415     | 42.551   | ug/l   | 99       |
| 6) Chloroethane              | 2.739          | 64   | 224891     | 46.306   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.062          | 101  | 477889     | 48.307   | ug/l   | 100      |
| 8) Diethyl Ether             | 3.458          | 74   | 129976     | 50.281   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818          | 101  | 261411     | 50.922   | ug/l   | 98       |
| 10) Methyl Iodide            | 4.007          | 142  | 341595     | 59.772   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.860          | 59   | 86872      | 250.315  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 254223     | 51.086   | ug/l   | 98       |
| 13) Acrolein                 | 3.653          | 56   | 38914      | 79.353   | ug/l   | 99       |
| 14) Allyl chloride           | 4.385          | 41   | 291262     | 48.025   | ug/l   | 97       |
| 15) Acrylonitrile            | 5.061          | 53   | 248616     | 251.312  | ug/l   | 99       |
| 16) Acetone                  | 3.873          | 43   | 266925     | 240.345  | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.110          | 76   | 672714     | 47.232   | ug/l   | 100      |
| 18) Methyl Acetate           | 4.391          | 43   | 163801     | 56.225   | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.122          | 73   | 636893     | 53.251   | ug/l   | 96       |
| 20) Methylene Chloride       | 4.616          | 84   | 276483     | 46.039   | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.116          | 96   | 284466     | 51.921   | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.025          | 45   | 677959     | 50.537   | ug/l   | 98       |
| 23) Vinyl Acetate            | 5.964          | 43   | 1757567    | 242.046  | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 5.921          | 63   | 454590     | 51.156   | ug/l   | 98       |
| 25) 2-Butanone               | 6.896          | 43   | 328971     | 242.629  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 6.890          | 77   | 428536     | 52.555   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 6.896          | 96   | 340754     | 53.843   | ug/l   | 96       |
| 28) Bromochloromethane       | 7.250          | 49   | 143454     | 43.243   | ug/l   | 95       |
| 29) Tetrahydrofuran          | 7.268          | 42   | 185249     | 240.938  | ug/l   | 94       |
| 30) Chloroform               | 7.427          | 83   | 517452     | 53.000   | ug/l   | 99       |
| 31) Cyclohexane              | 7.707          | 56   | 362890     | 46.762   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.622          | 97   | 467952     | 52.741   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.841          | 75   | 344096     | 52.436   | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.994          | 43   | 127273     | 48.956   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.823          | 117  | 421482     | 52.970   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.109          | 83   | 452406     | 52.949   | ug/l   | 97       |
| 40) Benzene                  | 8.085          | 78   | 1105993    | 53.219   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
 Data File : VY023543.D  
 Acq On : 22 Oct 2025 09:30  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## ClientSampleId :

VSTDCCC050

## Manual Integrations

## APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 02:25:18 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 08 05:12:50 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.219  | 41   | 68071m   | 48.413   | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 274669   | 51.247   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 259676   | 50.092   | ug/l   | 96       |
| 44) Trichloroethene           | 8.866  | 130  | 331676   | 54.528   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 244273   | 53.216   | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 157780   | 54.359   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.426  | 83   | 392784   | 53.731   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.219  | 41   | 125981   | 51.729   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 35080    | 1042.410 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 705865   | 263.542  | ug/l   | 98       |
| 52) Toluene                   | 10.170 | 92   | 747259   | 55.380   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 348965   | 54.901   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 410362   | 54.701   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 212638   | 54.478   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 260989   | 57.967   | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 337668   | 54.594   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 574517   | 284.845  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.762 | 43   | 518755   | 271.019  | ug/l   | 97       |
| 60) Dibromochloromethane      | 10.914 | 129  | 304516   | 55.647   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 205601   | 55.233   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.646 | 164  | 417270   | 56.127   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.444 | 112  | 841259   | 53.721   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 302769   | 54.255   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.517 | 91   | 1383613  | 54.584   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 1128353  | 110.980  | ug/l   | 99       |
| 69) o-Xylene                  | 11.956 | 106  | 532269   | 55.814   | ug/l   | 99       |
| 70) Styrene                   | 11.969 | 104  | 884177   | 56.380   | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 190201   | 54.947   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.255 | 105  | 1380580  | 56.129   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.072 | 43   | 226427   | 51.252   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 209645   | 52.112   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 165233m  | 50.178   | ug/l   |          |
| 77) Bromobenzene              | 12.529 | 156  | 355320   | 54.338   | ug/l   | 99       |
| 78) n-propylbenzene           | 12.597 | 91   | 1597439  | 56.123   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 910692   | 54.637   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 1123341  | 56.518   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 74591    | 55.547   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 937415   | 54.609   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 1037184  | 56.518   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 1118689  | 56.397   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 1487514  | 56.506   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 1282400  | 57.215   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 688741   | 54.089   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 671095   | 53.362   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.615 | 91   | 1101186  | 56.385   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 255425   | 52.984   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 609689   | 54.613   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 34265    | 51.910   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 380515   | 54.674   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 233049   | 53.717   | ug/l   | 100      |
| 95) Naphthalene               | 15.145 | 128  | 636726   | 57.452   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 326959   | 54.237   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023543.D  
Acq On : 22 Oct 2025 09:30  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 02:25:18 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

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

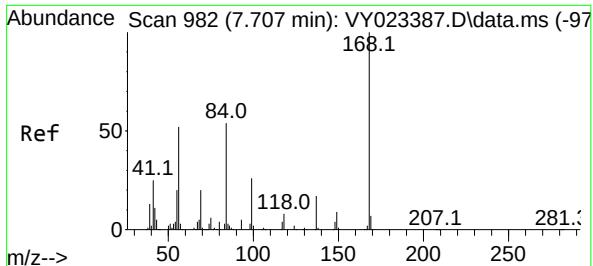
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VSTDCCC050

## Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025





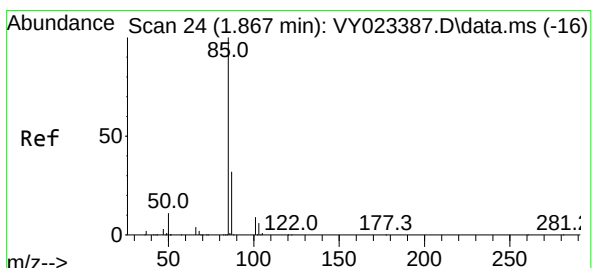
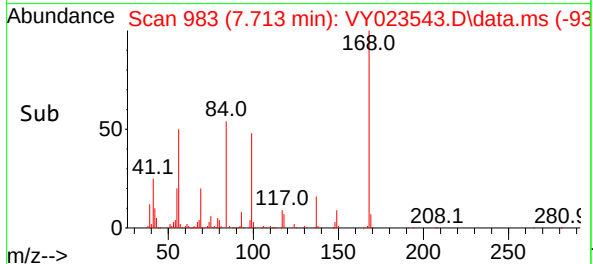
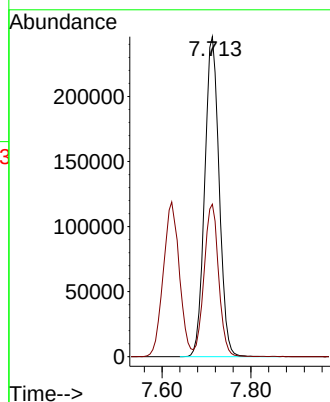
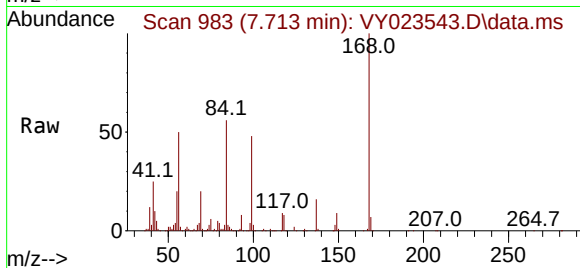
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Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion:168 Resp: 55787  
Ion Ratio Lower Upper  
168 100  
99 47.6 39.7 59.5

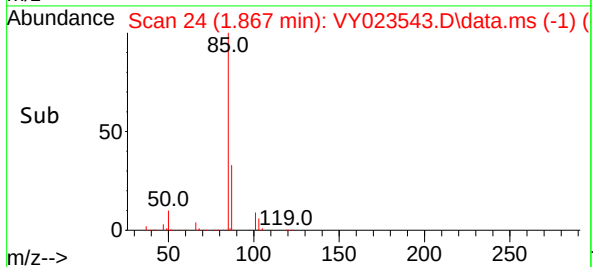
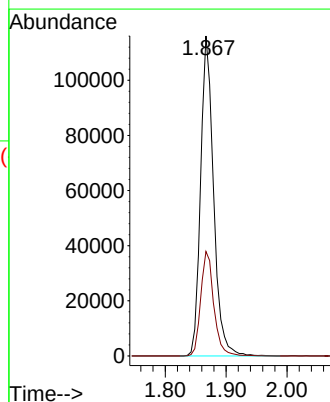
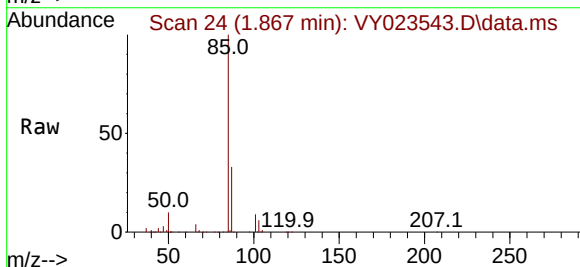
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

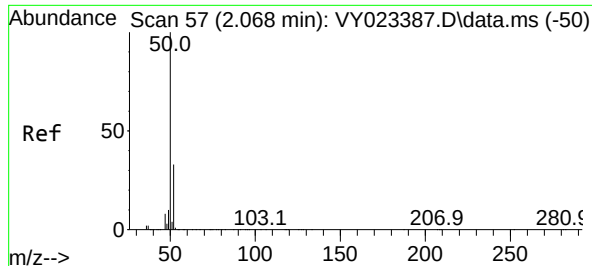


#2  
Dichlorodifluoromethane  
Concen: 42.840 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Tgt Ion: 85 Resp: 172025  
Ion Ratio Lower Upper  
85 100  
87 32.7 16.0 47.9

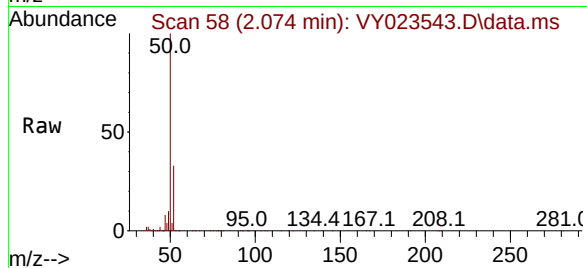






#3  
Chloromethane  
Concen: 41.760 ug/l  
RT: 2.074 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

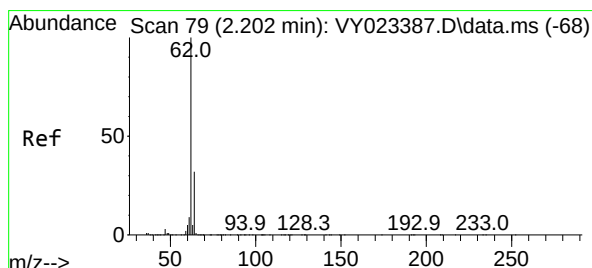
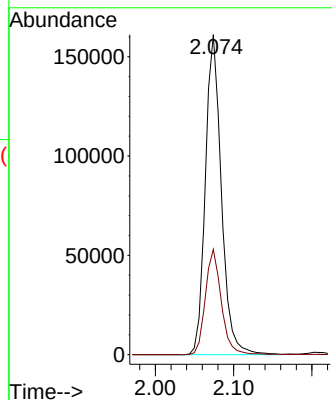
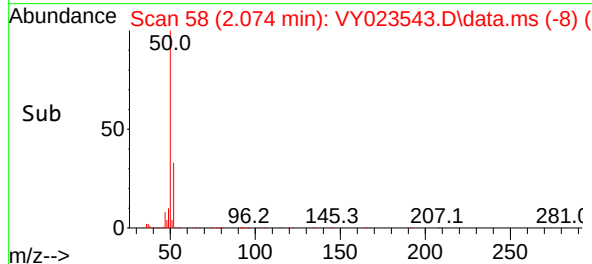
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 50 Resp: 228434  
Ion Ratio Lower Upper  
50 100  
52 32.9 26.2 39.2

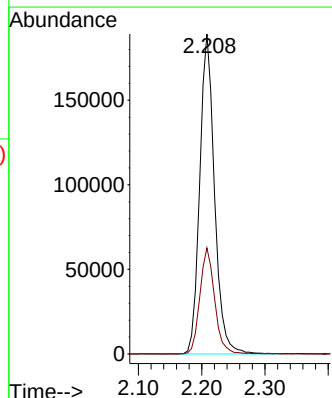
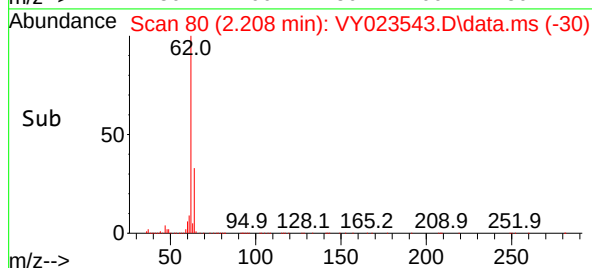
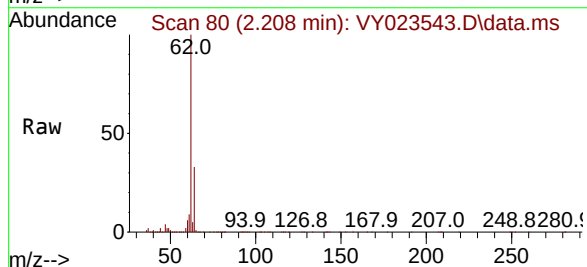
Manual Integrations  
APPROVED

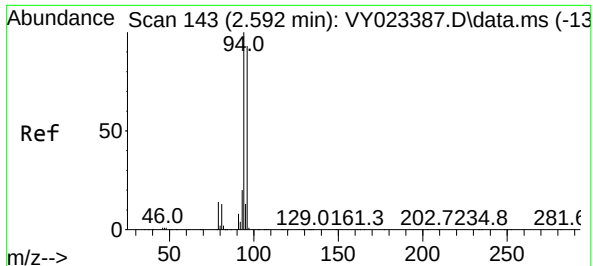
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#4  
Vinyl Chloride  
Concen: 43.199 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

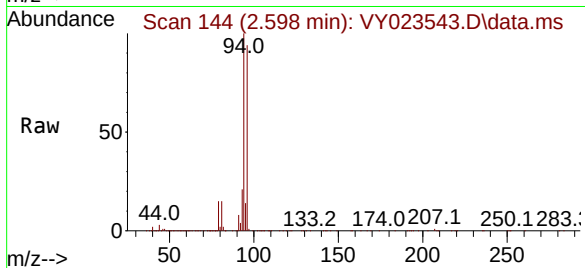
Tgt Ion: 62 Resp: 307788  
Ion Ratio Lower Upper  
62 100  
64 33.1 25.8 38.8





#5  
Bromomethane  
Concen: 42.551 ug/l  
RT: 2.598 min Scan# 143  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

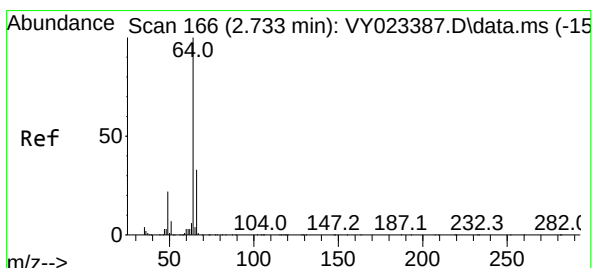
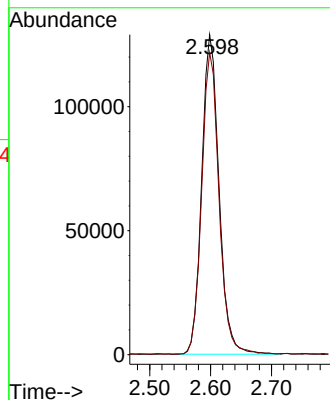
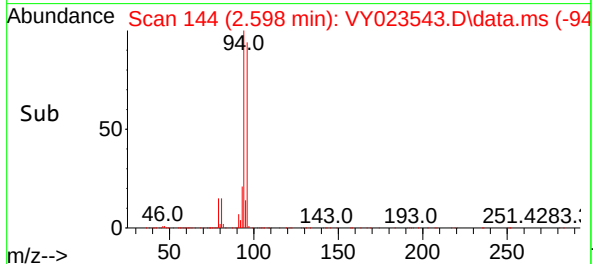
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDC050



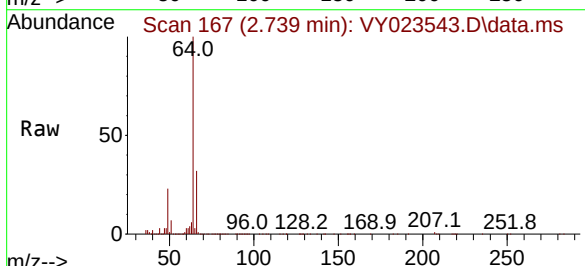
Tgt Ion: 94 Resp: 254415  
Ion Ratio Lower Upper  
94 100  
96 94.3 74.5 111.7

Manual Integrations  
APPROVED

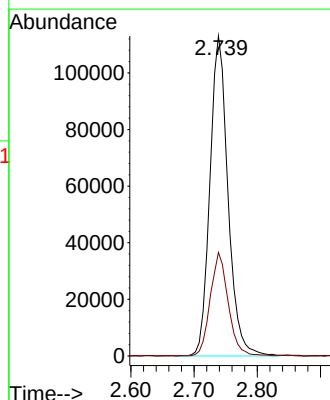
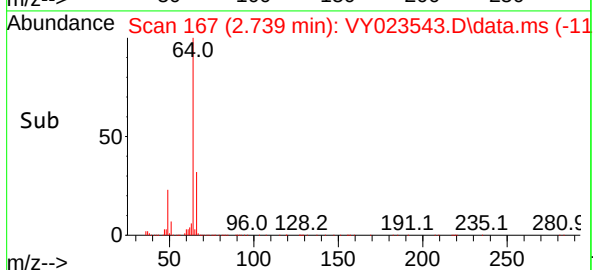
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

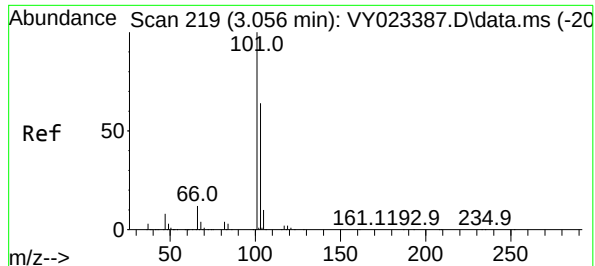


#6  
Chloroethane  
Concen: 46.306 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30



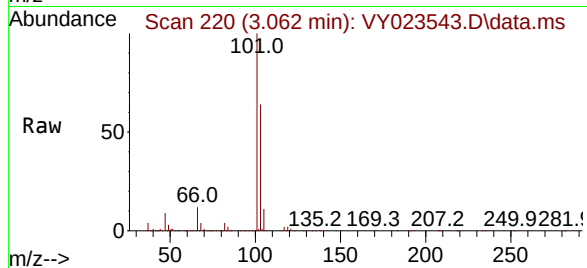
Tgt Ion: 64 Resp: 224891  
Ion Ratio Lower Upper  
64 100  
66 32.2 26.2 39.4





#7  
Trichlorofluoromethane  
Concen: 48.307 ug/l  
RT: 3.062 min Scan# 219  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

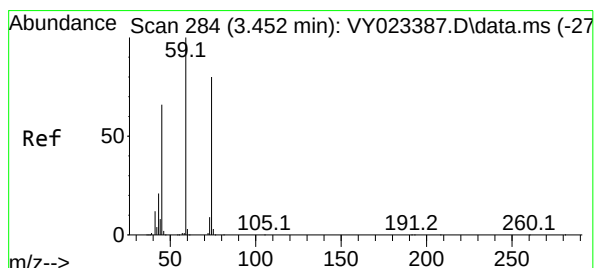
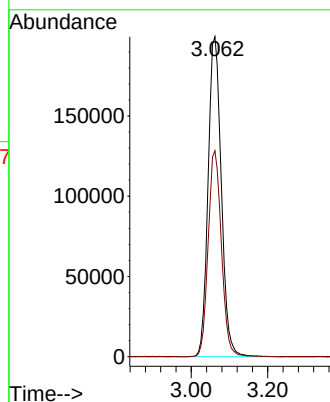
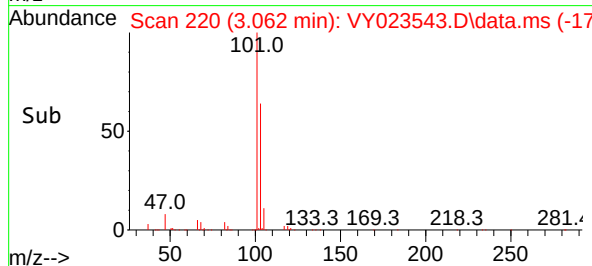
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050



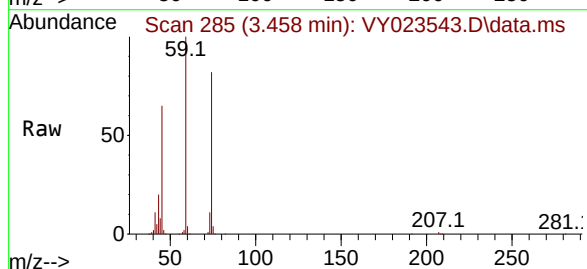
Tgt Ion:101 Resp: 477889  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.3 76.9

Manual Integrations  
APPROVED

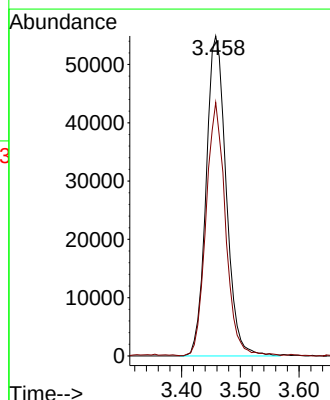
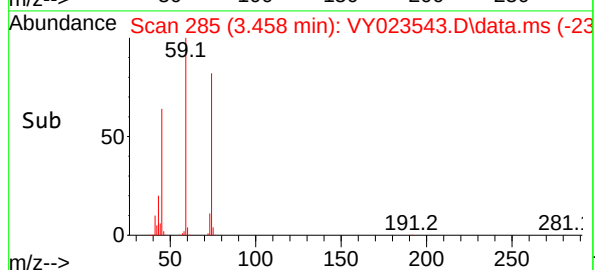
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

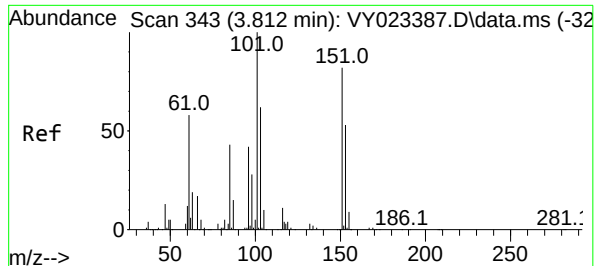


#8  
Diethyl Ether  
Concen: 50.281 ug/l  
RT: 3.458 min Scan# 285  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30



Tgt Ion: 74 Resp: 129976  
Ion Ratio Lower Upper  
74 100  
45 76.8 39.9 119.7





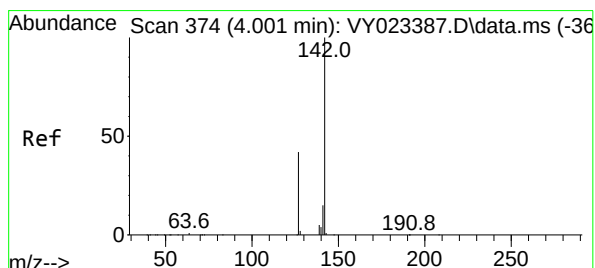
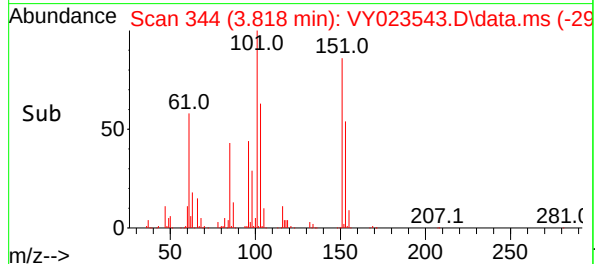
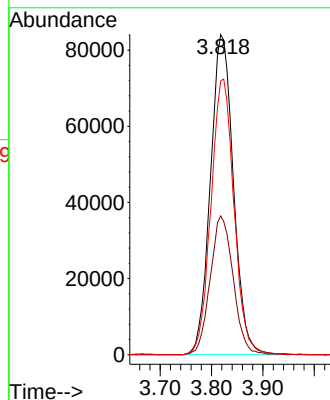
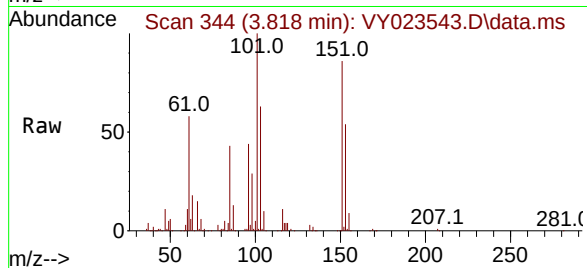
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.922 ug/l  
RT: 3.818 min Scan# 343  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion:101 Resp: 26141  
Ion Ratio Lower Upper  
101 100  
85 43.3 34.6 51.8  
151 86.3 67.0 100.6

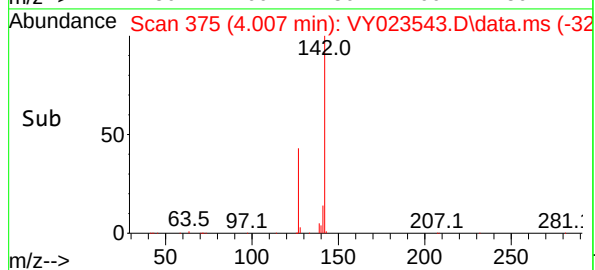
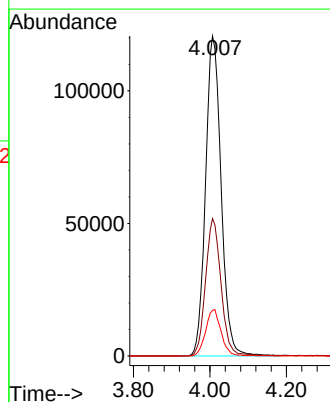
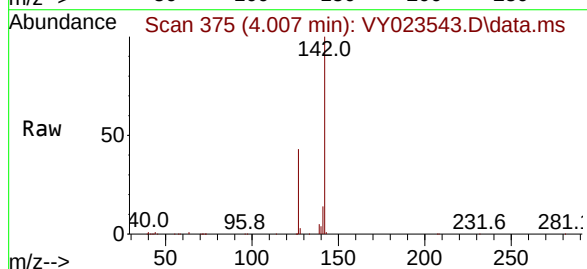
Manual Integrations  
APPROVED

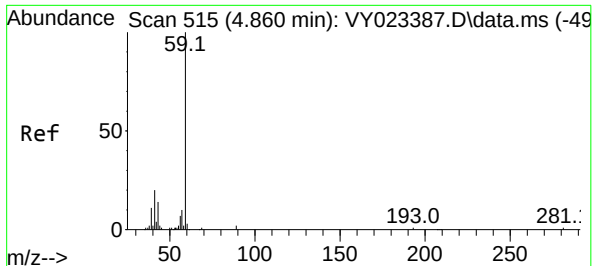
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#10  
Methyl Iodide  
Concen: 59.772 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Tgt Ion:142 Resp: 341595  
Ion Ratio Lower Upper  
142 100  
127 42.5 34.8 52.2  
141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 250.315 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDC050

Tgt Ion: 59 Resp: 86872

Ion Ratio Lower Upper

59 100

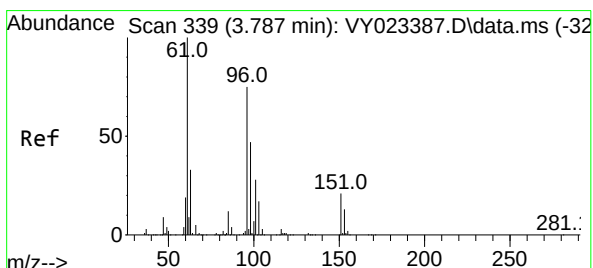
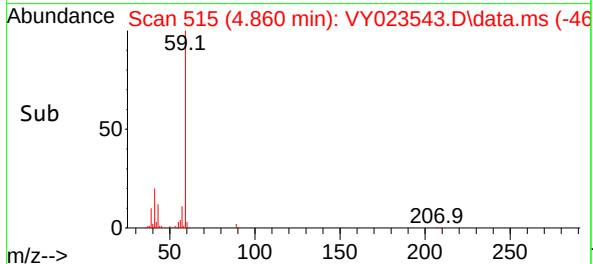
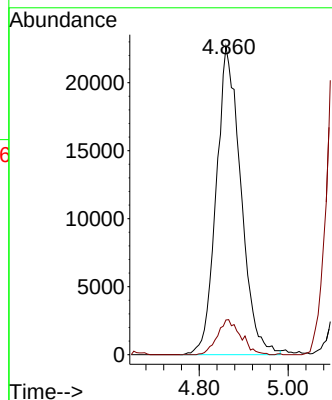
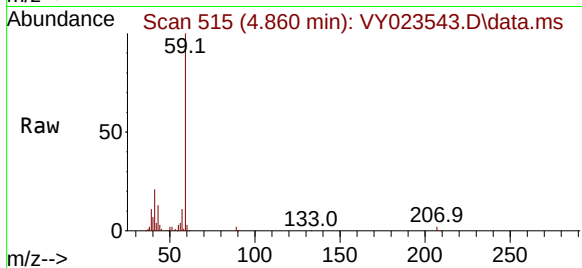
57 10.9 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#12

1,1-Dichloroethene

Concen: 51.086 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

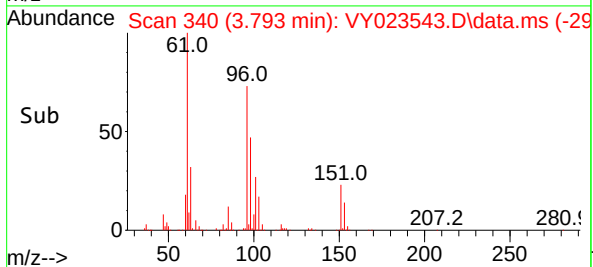
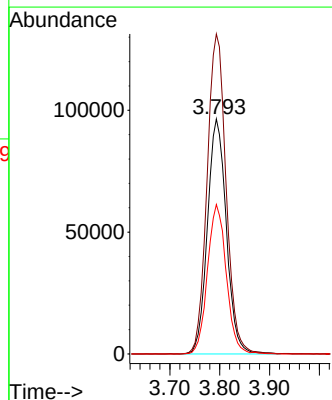
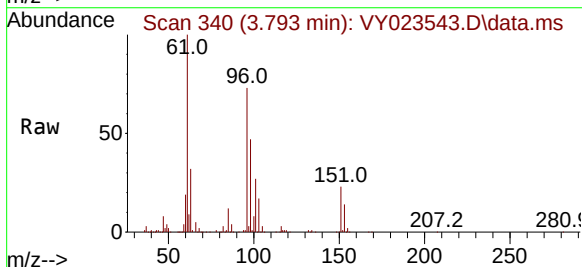
Tgt Ion: 96 Resp: 254223

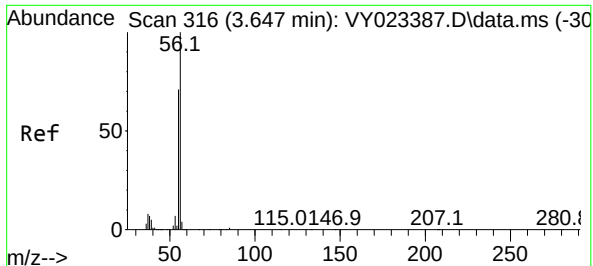
Ion Ratio Lower Upper

96 100

61 136.2 106.7 160.1

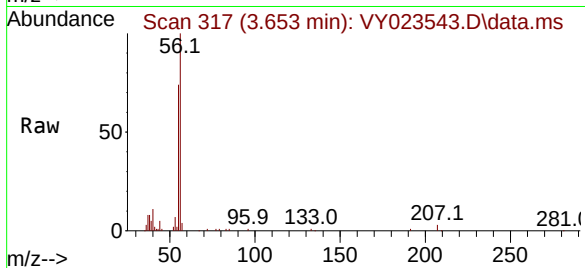
98 63.6 50.2 75.4





#13  
Acrolein  
Concen: 79.353 ug/l  
RT: 3.653 min Scan# 316  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

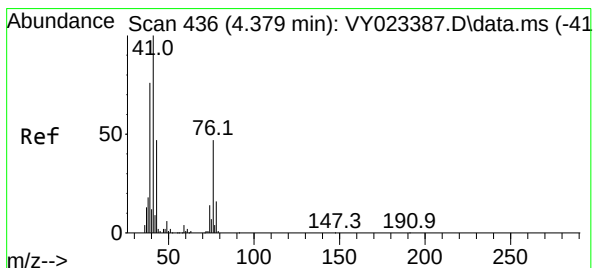
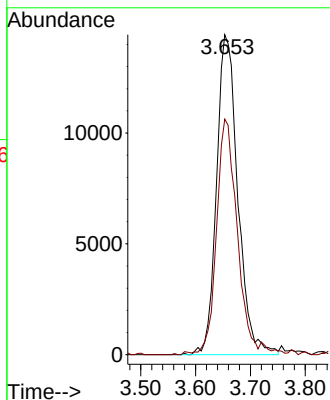
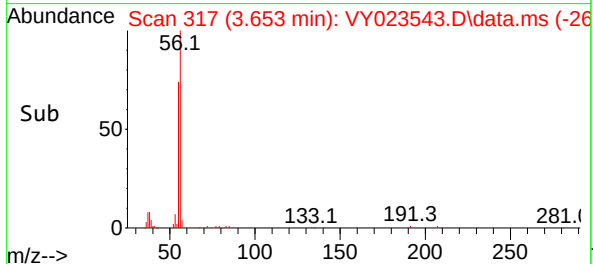
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050



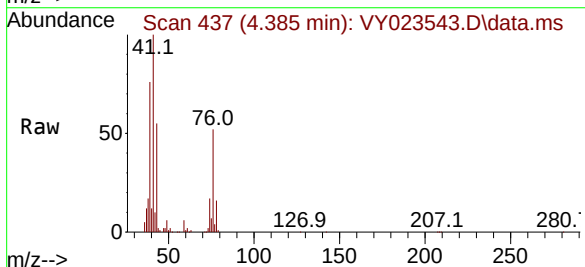
Tgt Ion: 56 Resp: 38914  
Ion Ratio Lower Upper  
56 100  
55 68.9 56.1 84.1

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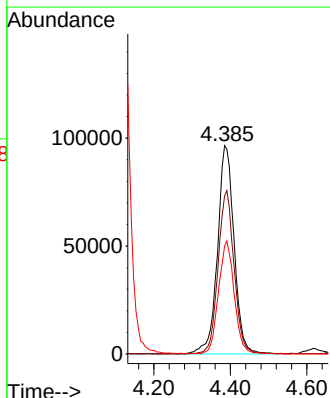
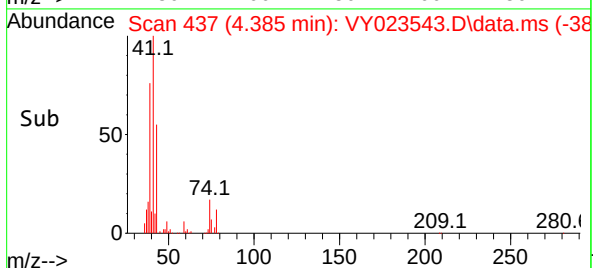
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

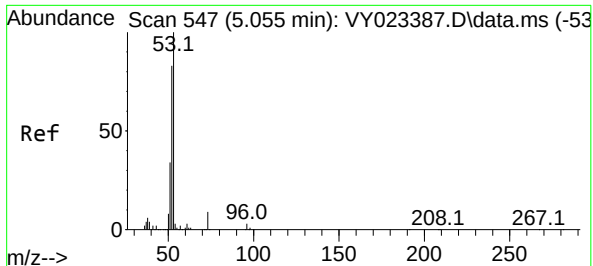


#14  
Allyl chloride  
Concen: 48.025 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30



Tgt Ion: 41 Resp: 291262  
Ion Ratio Lower Upper  
41 100  
39 76.0 59.9 89.9  
76 51.3 38.0 57.0





#15

Acrylonitrile

Concen: 251.312 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 248610

Ion Ratio Lower Upper

53 100

52 80.3 64.6 97.0

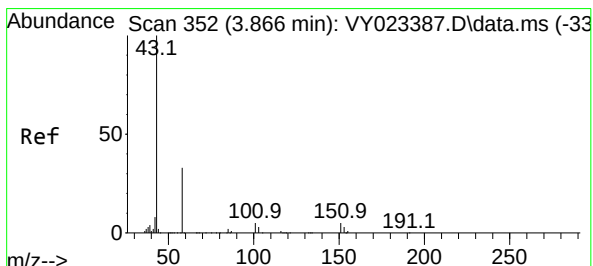
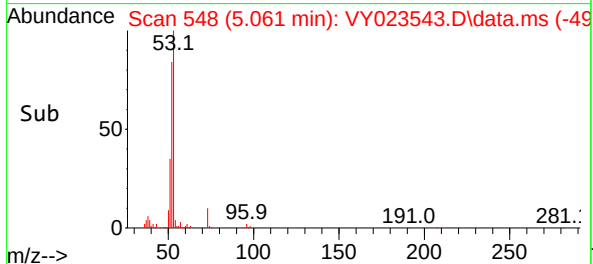
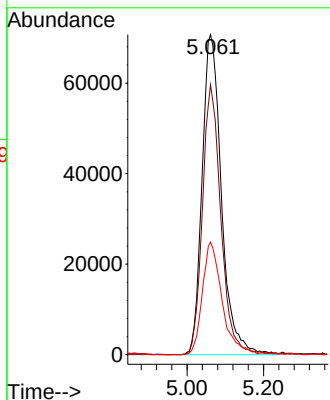
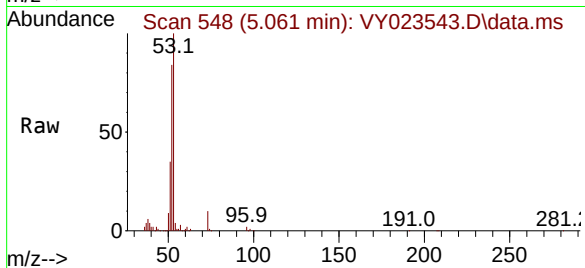
51 35.8 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#16

Acetone

Concen: 240.345 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.006 min

Lab File: VY023543.D

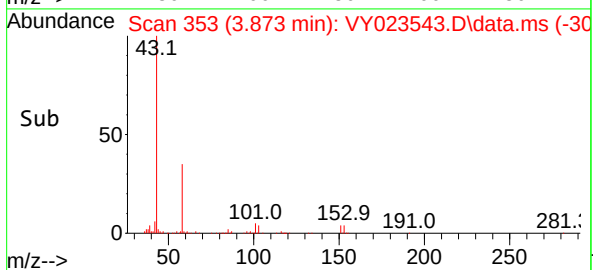
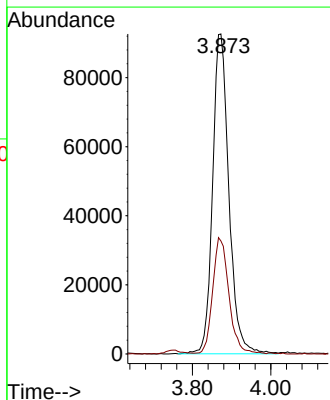
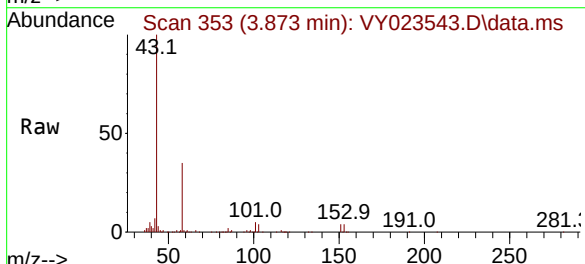
Acq: 22 Oct 2025 09:30

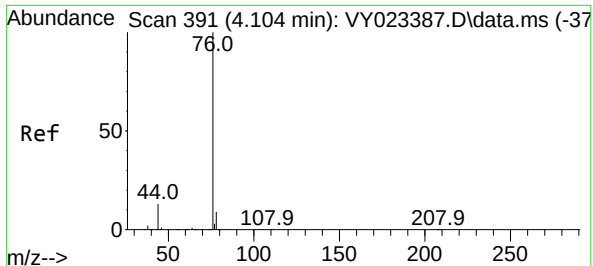
Tgt Ion: 43 Resp: 266925

Ion Ratio Lower Upper

43 100

58 35.1 27.7 41.5





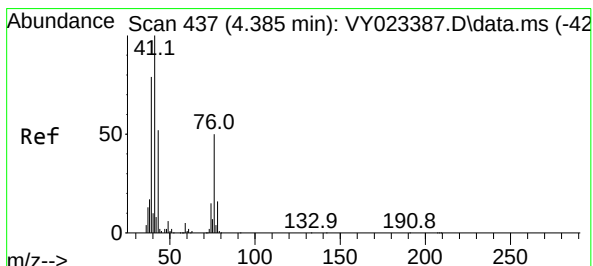
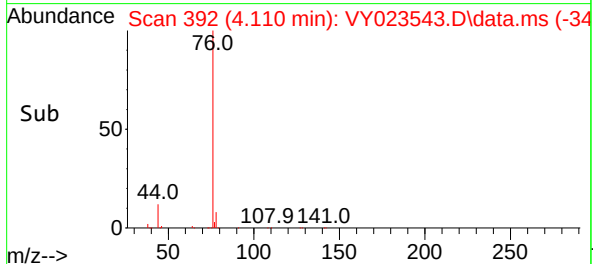
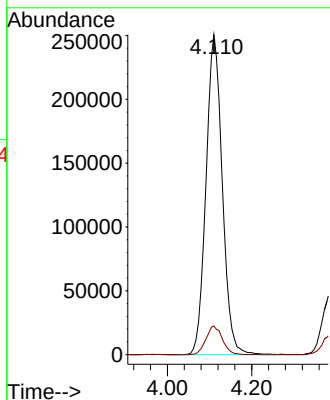
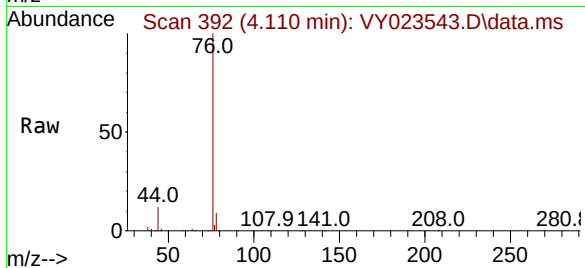
#17  
Carbon Disulfide  
Concen: 47.232 ug/l  
RT: 4.110 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 76 Resp: 672714  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.3 10.9

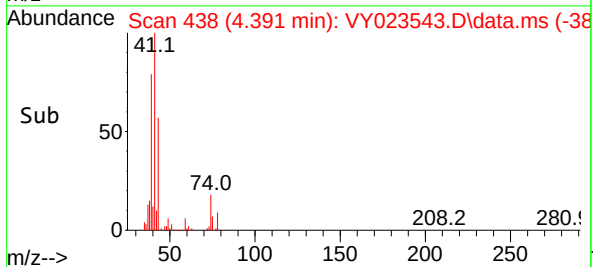
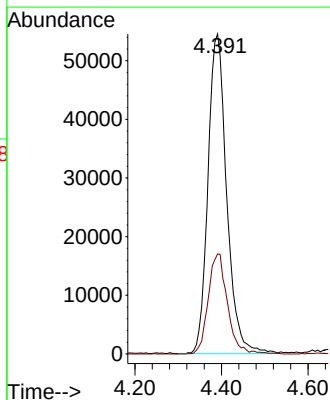
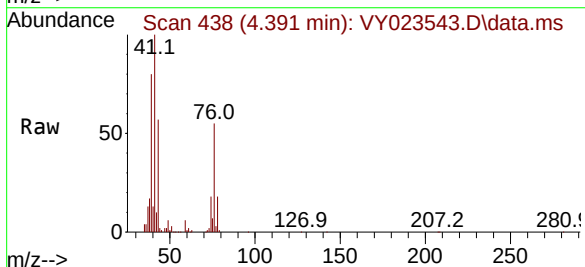
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

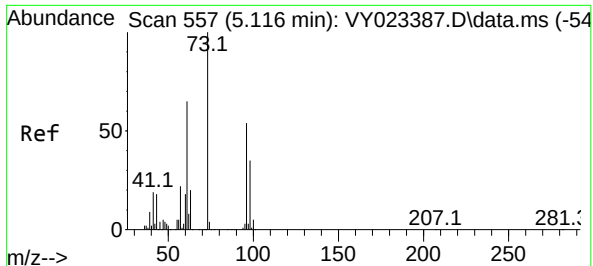


#18  
Methyl Acetate  
Concen: 56.225 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Tgt Ion: 43 Resp: 163801  
Ion Ratio Lower Upper  
43 100  
74 32.2 24.2 36.4







#19

Methyl tert-butyl Ether

Concen: 53.251 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 63689

Ion Ratio Lower Upper

73 100

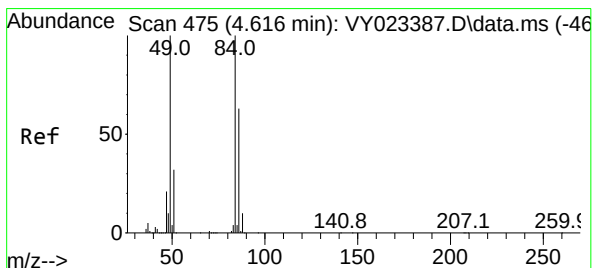
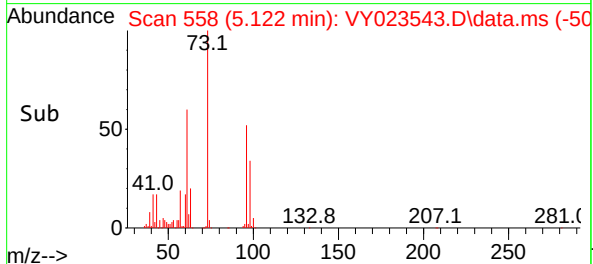
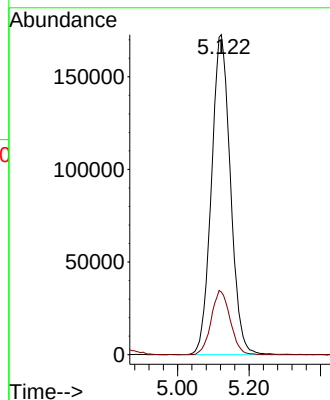
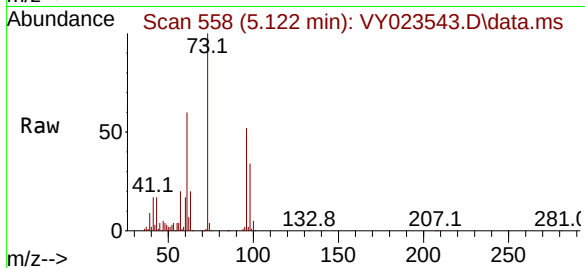
57 19.6 17.4 26.0

Manual Integrations

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Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#20

Methylene Chloride

Concen: 46.039 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Tgt Ion: 84 Resp: 276483

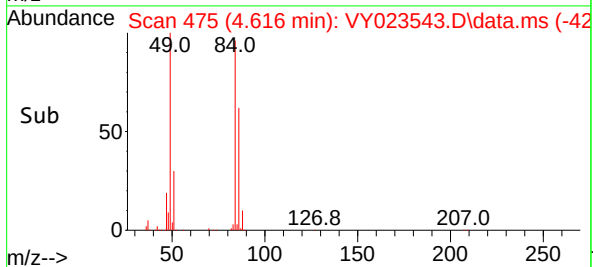
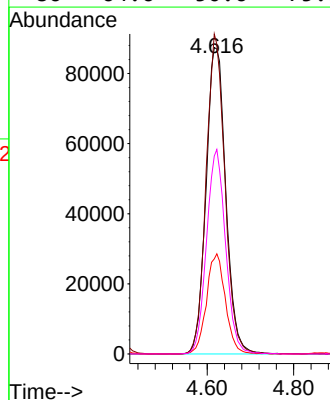
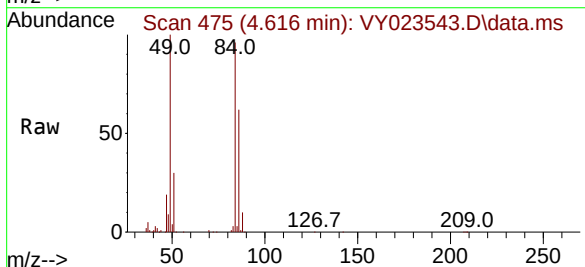
Ion Ratio Lower Upper

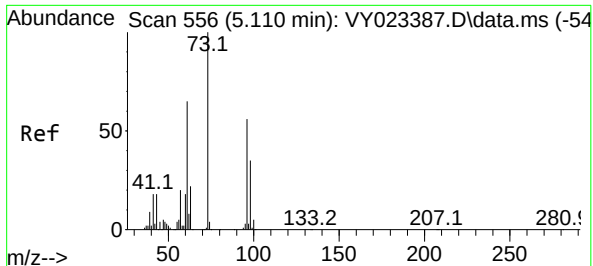
84 100

49 104.4 80.2 120.4

51 31.1 25.9 38.9

86 64.6 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 51.921 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 284460

Ion Ratio Lower Upper

96 100

61 113.0 92.7 139.1

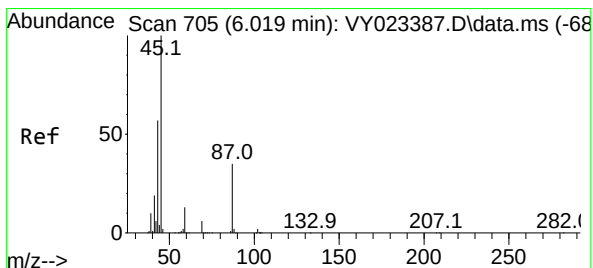
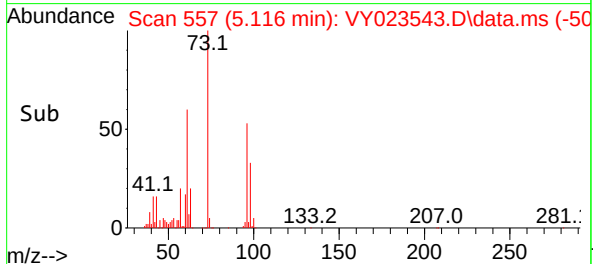
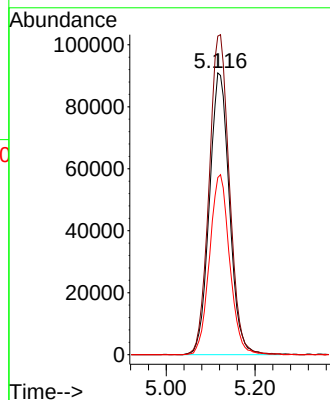
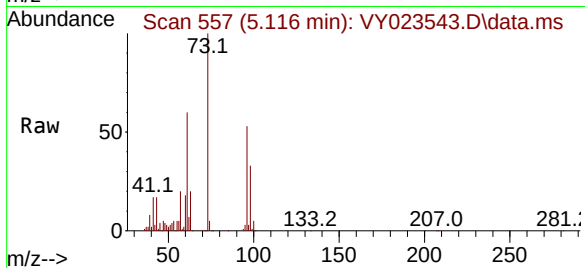
98 62.8 49.7 74.5

Manual Integrations

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Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#22

Diisopropyl ether

Concen: 50.537 ug/l

RT: 6.025 min Scan# 706

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Tgt Ion: 45 Resp: 677959

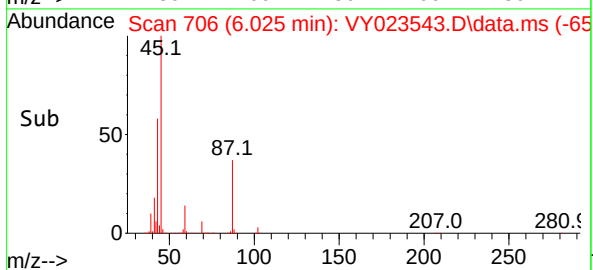
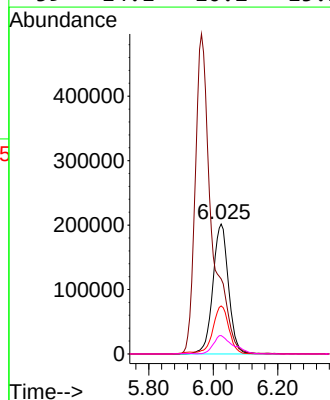
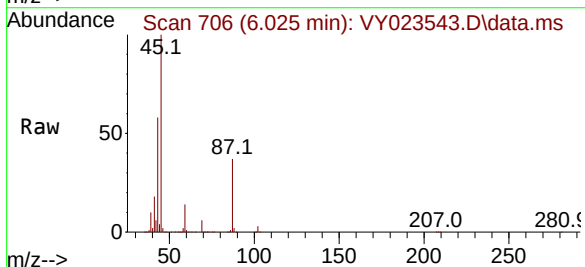
Ion Ratio Lower Upper

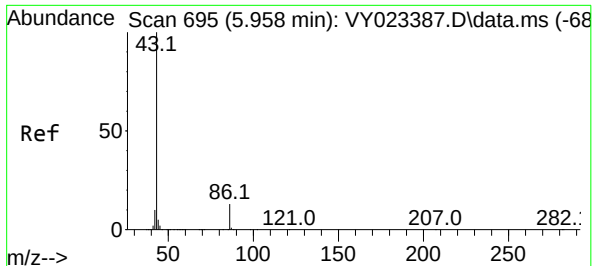
45 100

43 57.6 45.6 68.4

87 37.0 28.1 42.1

59 14.1 10.2 15.2





#23

Vinyl Acetate

Concen: 242.046 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 175756

Ion Ratio Lower Upper

43

100

86

14.7

10.6

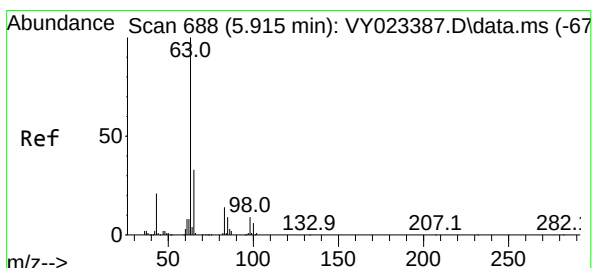
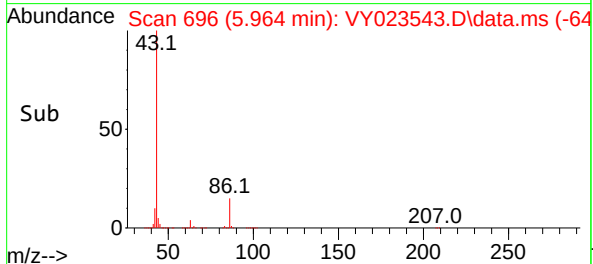
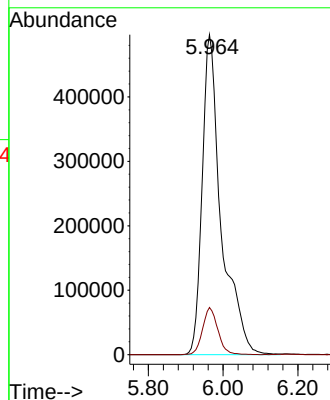
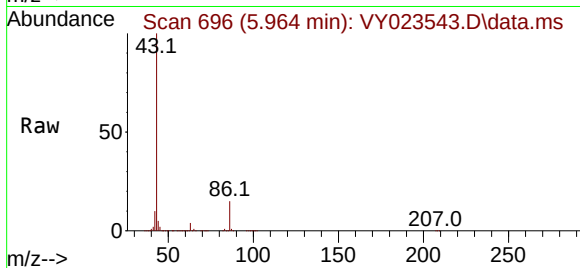
15.8

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Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#24

1,1-Dichloroethane

Concen: 51.156 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Tgt Ion: 63 Resp: 454590

Ion Ratio Lower Upper

63

100

98

8.2

4.3

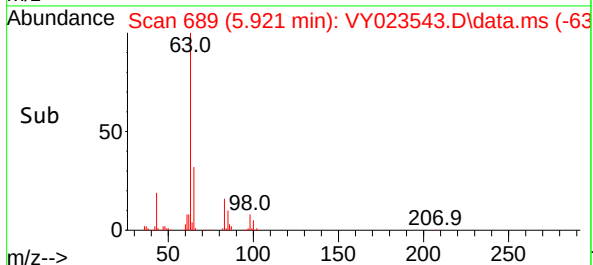
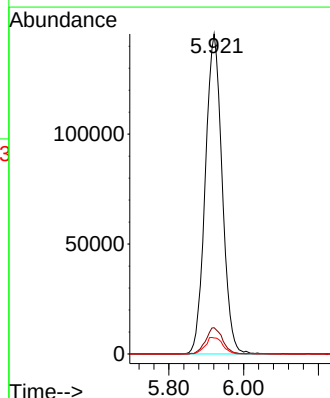
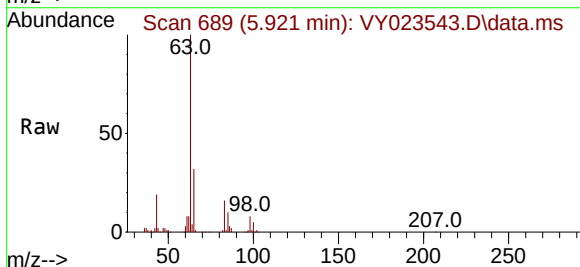
13.1

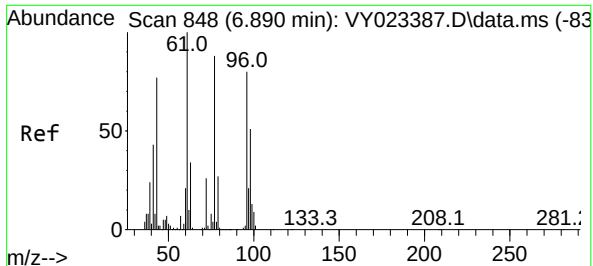
100

5.0

2.8

8.4





#25

2-Butanone

Concen: 242.629 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 32897

Ion Ratio Lower Upper

43

100

72

34.4

27.4

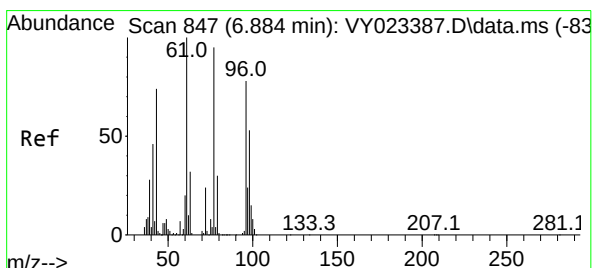
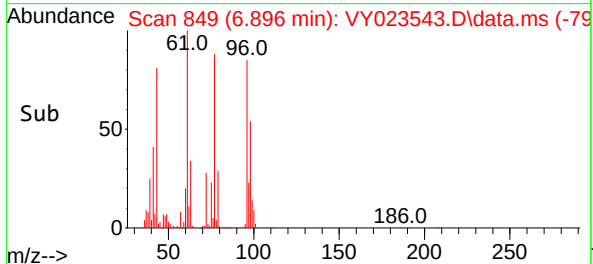
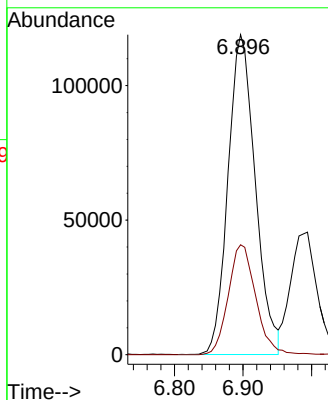
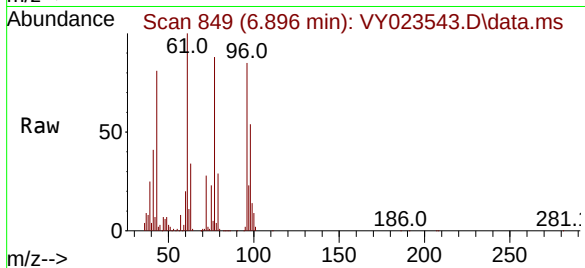
41.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#26

2,2-Dichloropropane

Concen: 52.555 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Tgt Ion: 77 Resp: 428536

Ion Ratio Lower Upper

77

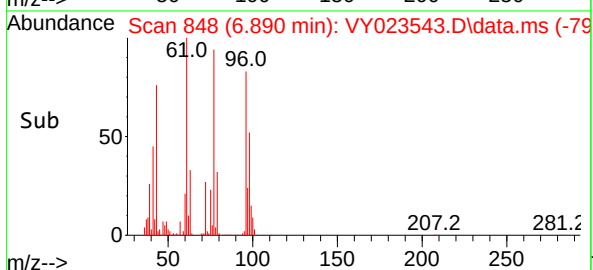
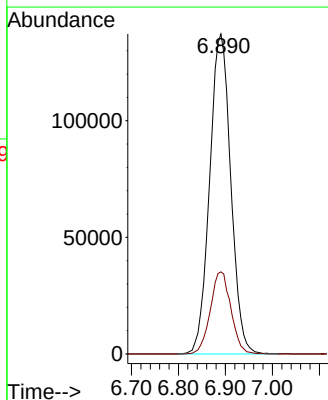
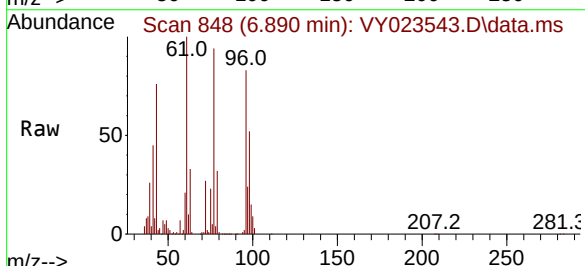
100

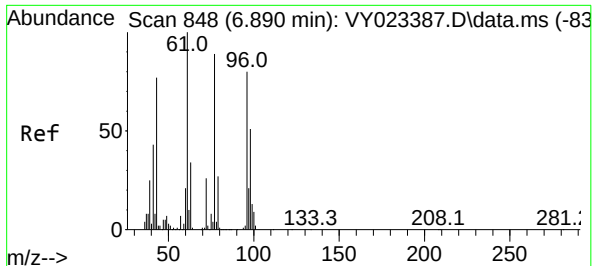
97

25.0

12.1

36.3





#27

cis-1,2-Dichloroethene

Concen: 53.843 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 340754

Ion Ratio Lower Upper

96 100

61 122.7 0.0 258.2

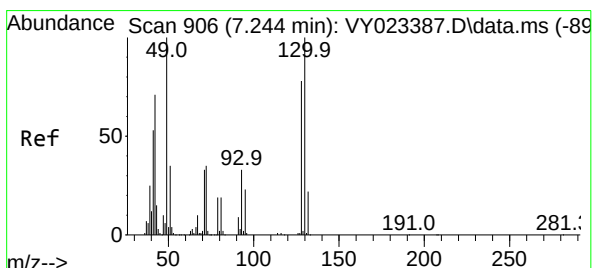
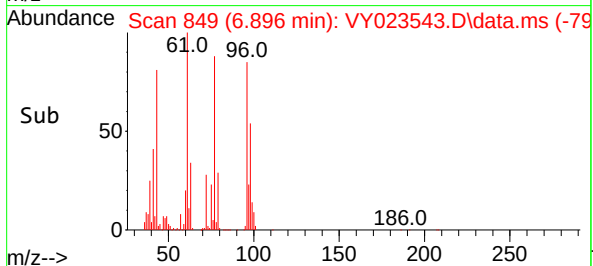
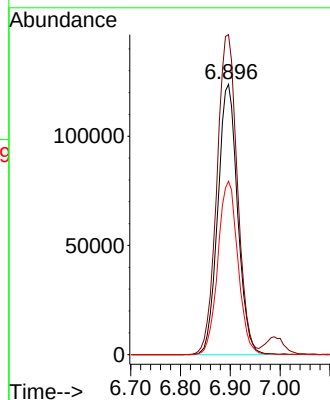
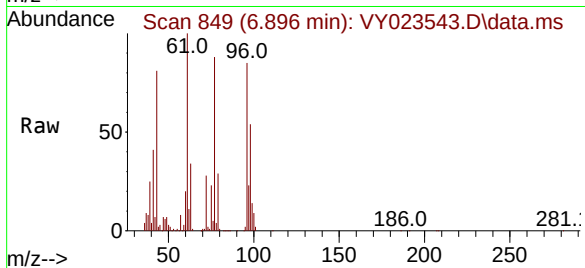
98 65.1 0.0 132.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#28

Bromochloromethane

Concen: 43.243 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

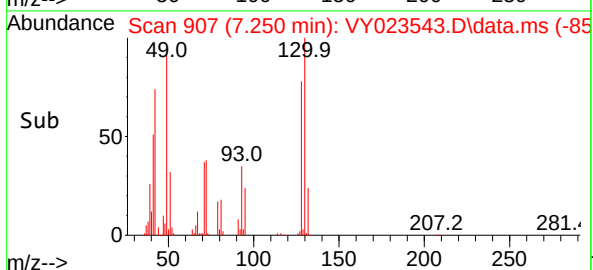
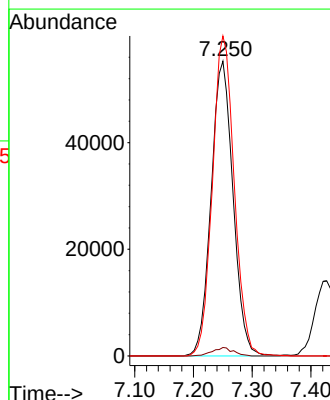
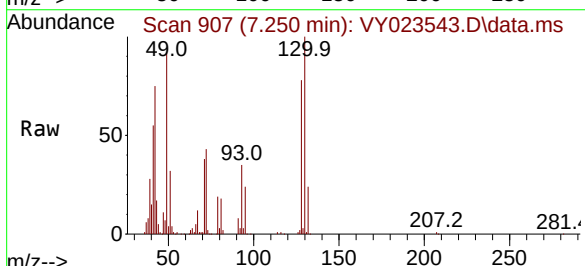
Tgt Ion: 49 Resp: 143454

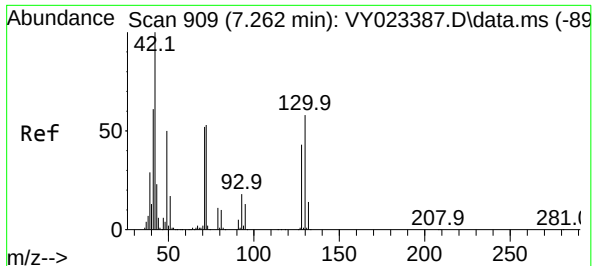
Ion Ratio Lower Upper

49 100

129 2.7 0.0 5.6

130 107.8 81.9 122.9





#29

Tetrahydrofuran

Concen: 240.938 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 185249

Ion Ratio Lower Upper

42 100

72 58.5 43.0 64.6

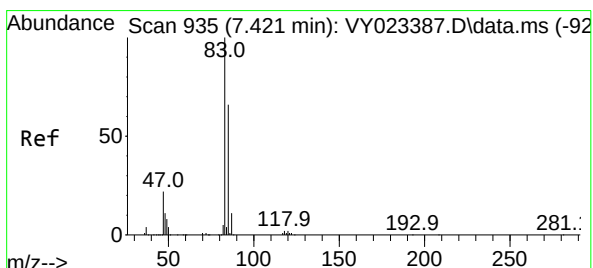
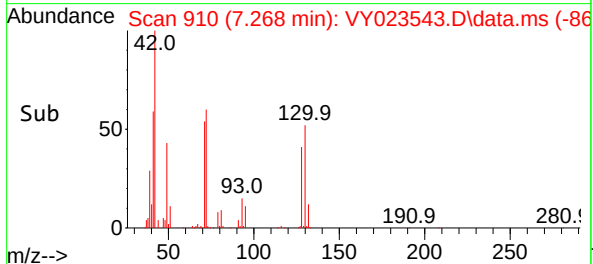
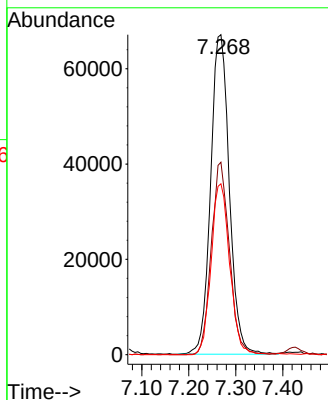
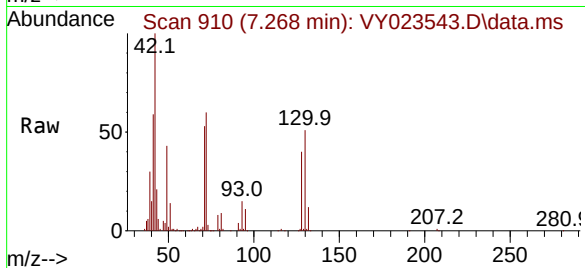
71 53.4 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#30

Chloroform

Concen: 53.000 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY023543.D

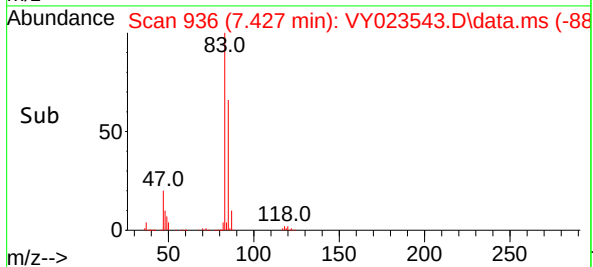
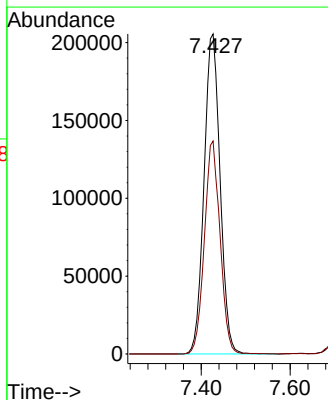
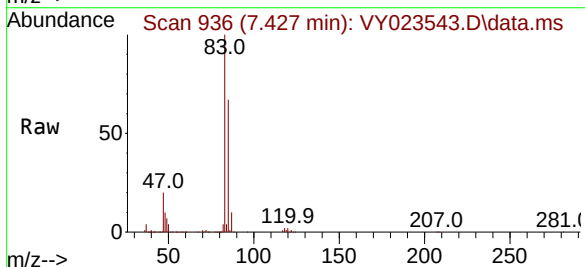
Acq: 22 Oct 2025 09:30

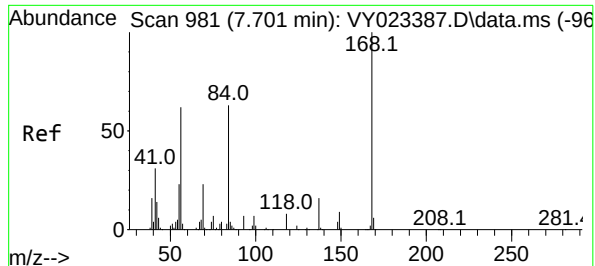
Tgt Ion: 83 Resp: 517452

Ion Ratio Lower Upper

83 100

85 66.6 52.5 78.7





#31

Cyclohexane

Concen: 46.762 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 362890

Ion Ratio Lower Upper

56 100

69 37.0 30.0 45.0

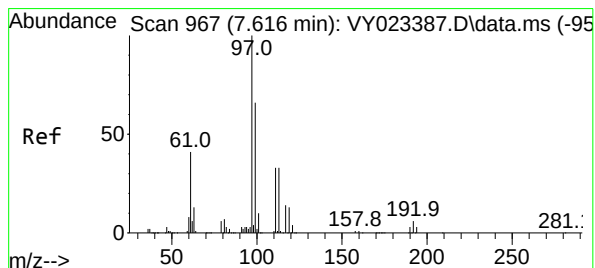
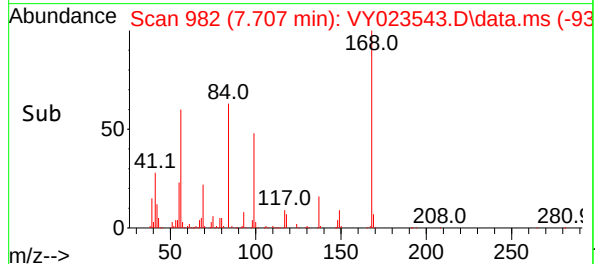
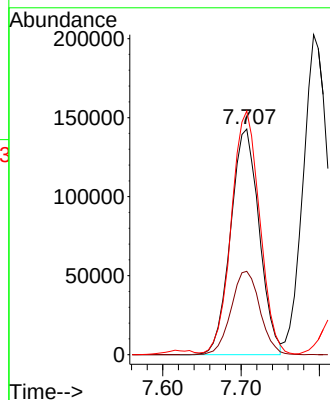
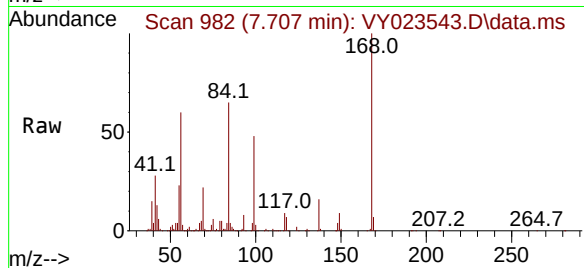
84 106.3 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#32

1,1,1-Trichloroethane

Concen: 52.741 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

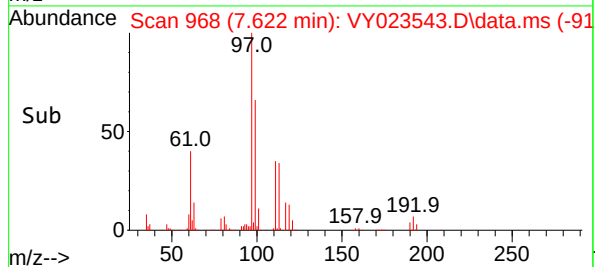
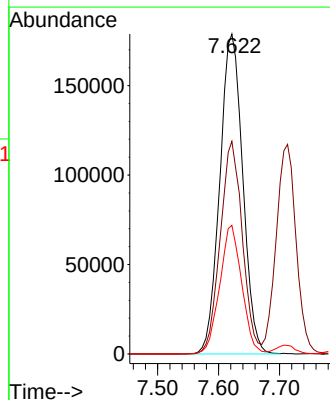
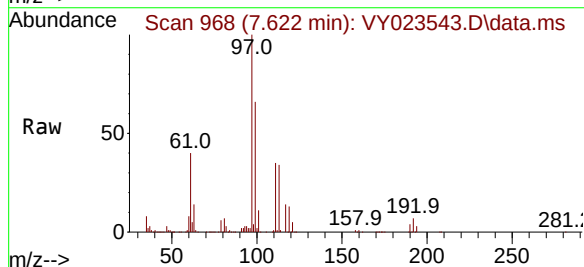
Tgt Ion: 97 Resp: 467952

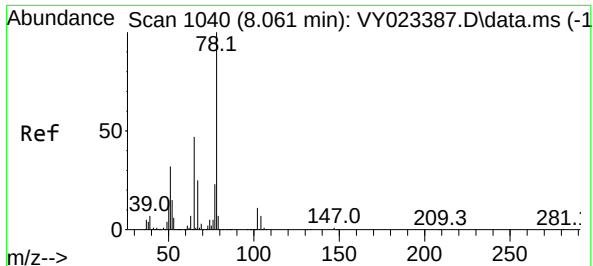
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 38.7 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 45.615 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 212794

Ion Ratio Lower Upper

65 100

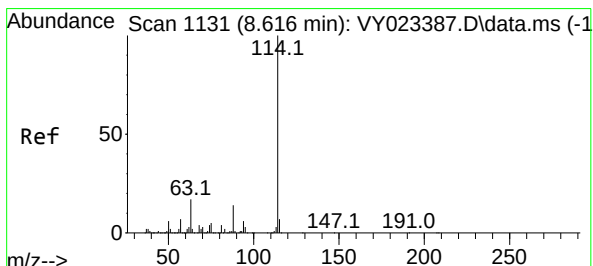
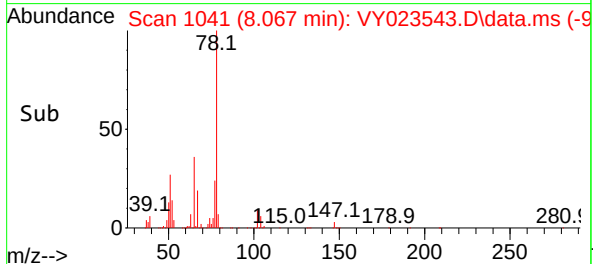
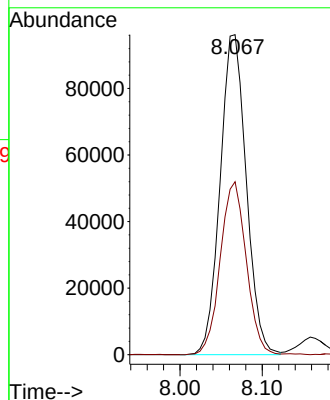
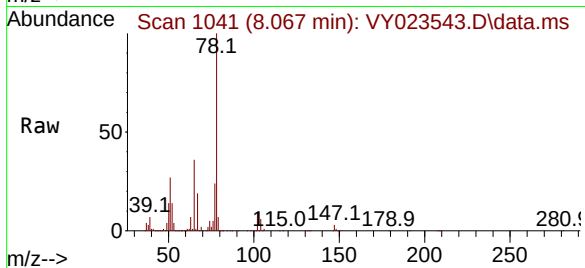
67 53.7 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

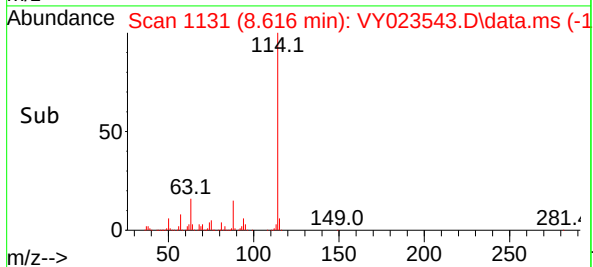
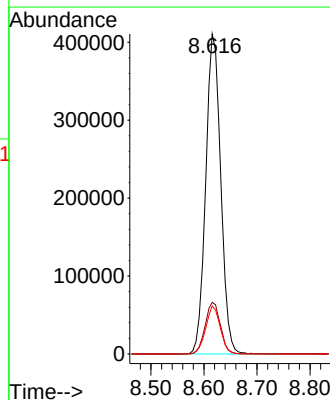
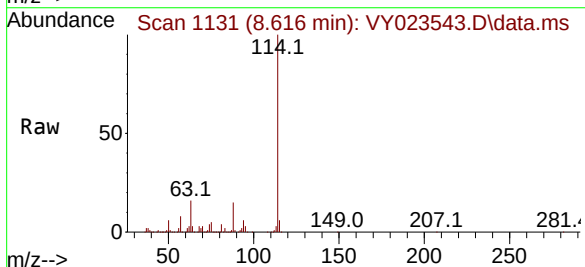
Tgt Ion:114 Resp: 806690

Ion Ratio Lower Upper

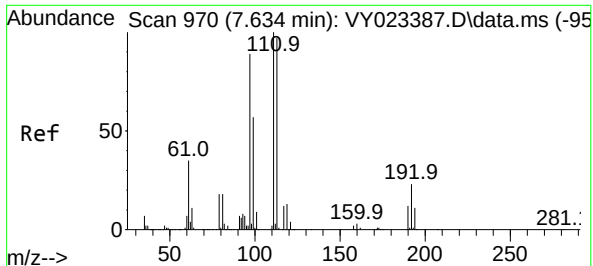
114 100

63 16.1 0.0 34.2

88 15.0 0.0 28.4







#35

Dibromofluoromethane

Concen: 49.924 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 247459

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.6

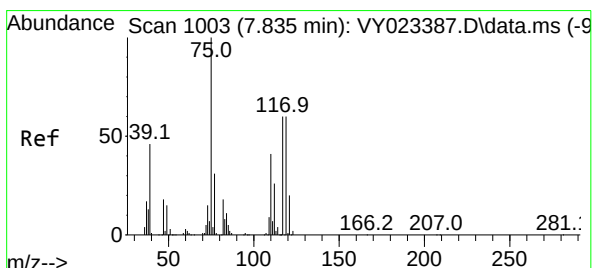
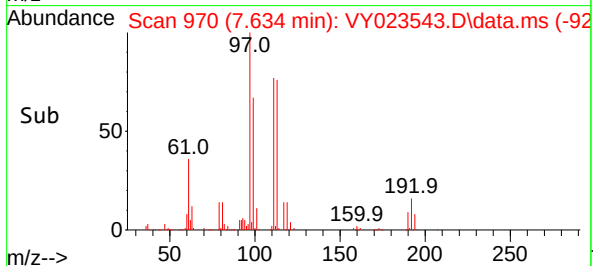
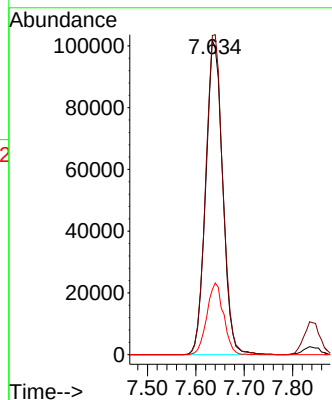
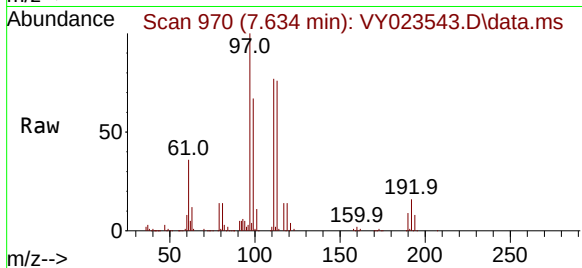
192 22.6 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#36

1,1-Dichloropropene

Concen: 52.436 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

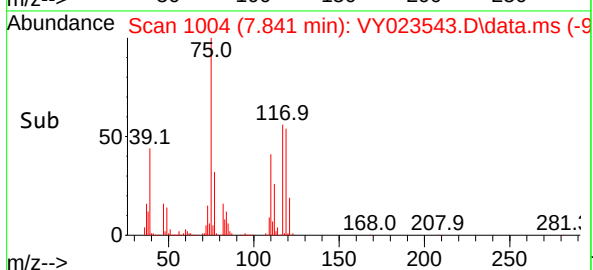
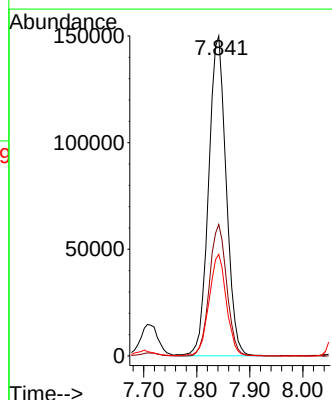
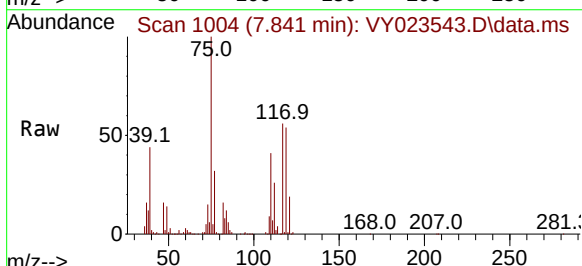
Tgt Ion: 75 Resp: 344096

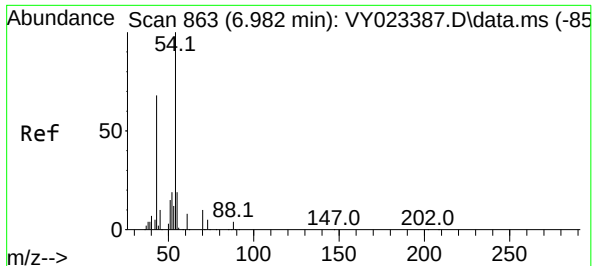
Ion Ratio Lower Upper

75 100

110 40.7 19.9 59.7

77 31.7 25.0 37.6





#37

Ethyl Acetate

Concen: 48.956 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.012 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 12727

Ion Ratio Lower Upper

43 100

61 17.2 11.8 17.8

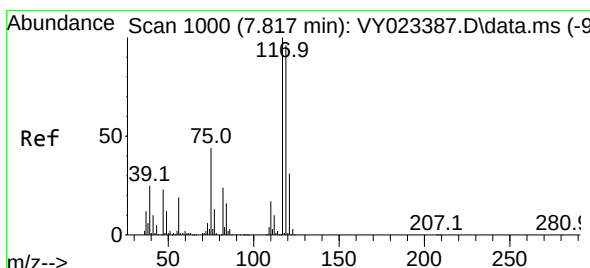
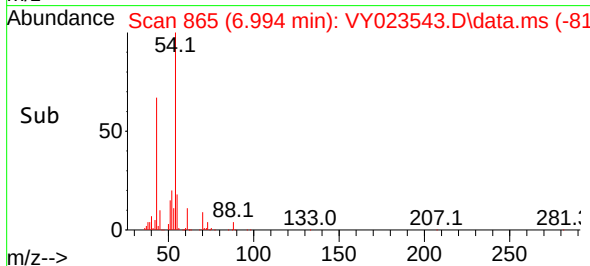
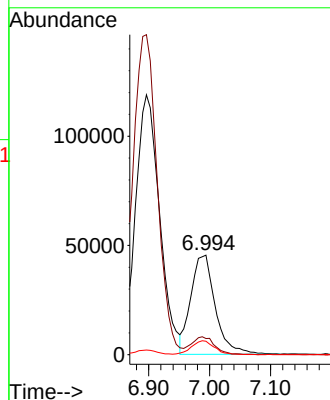
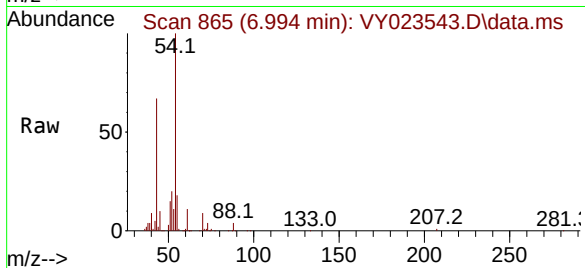
70 13.2 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#38

Carbon Tetrachloride

Concen: 52.970 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

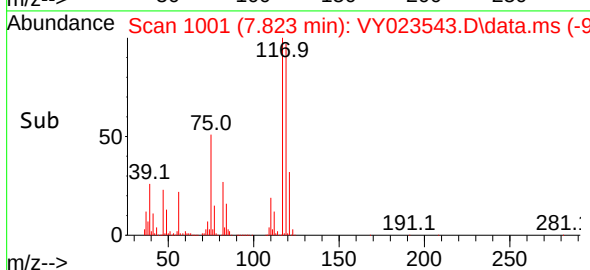
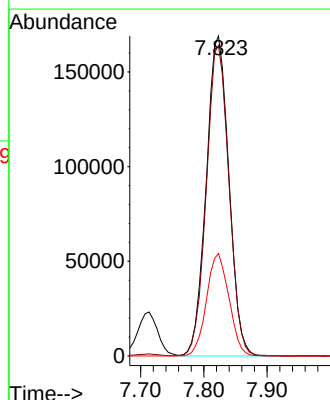
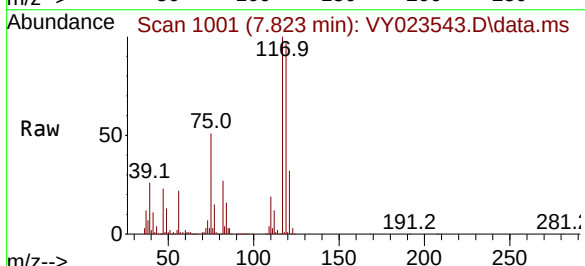
Tgt Ion:117 Resp: 421482

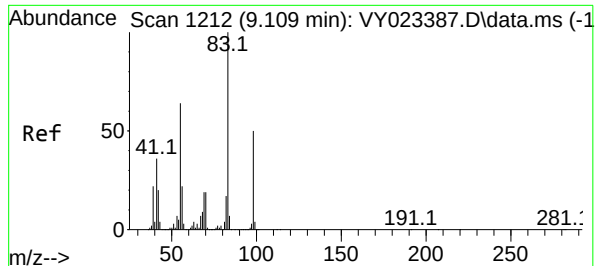
Ion Ratio Lower Upper

117 100

119 97.0 76.8 115.2

121 32.1 24.5 36.7





#39

Methylcyclohexane

Concen: 52.949 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 452400

Ion Ratio Lower Upper

83 100

55 62.1 51.4 77.2

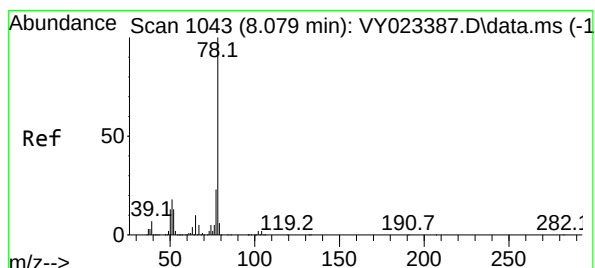
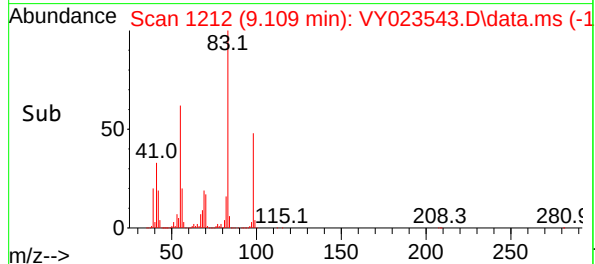
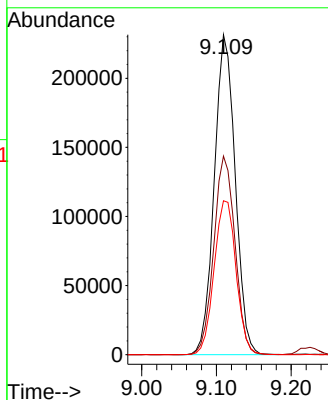
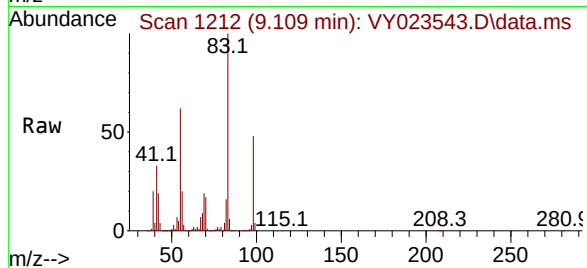
98 48.1 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#40

Benzene

Concen: 53.219 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY023543.D

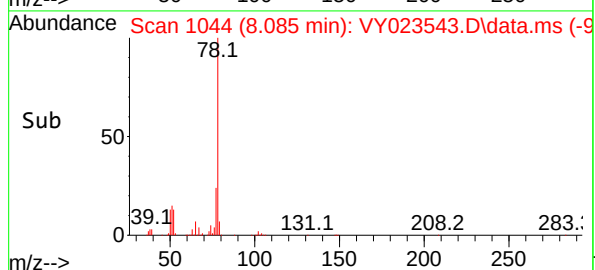
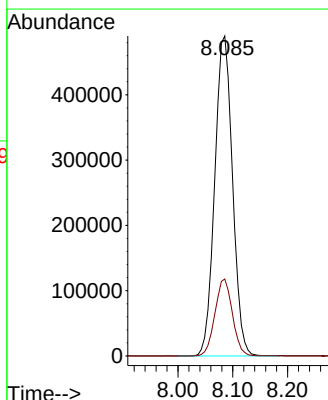
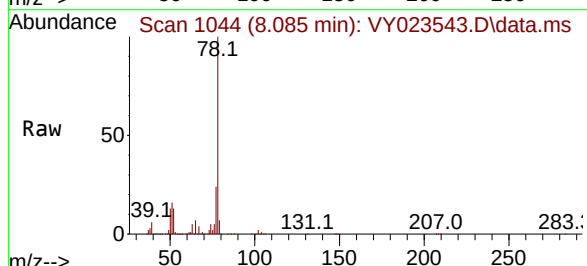
Acq: 22 Oct 2025 09:30

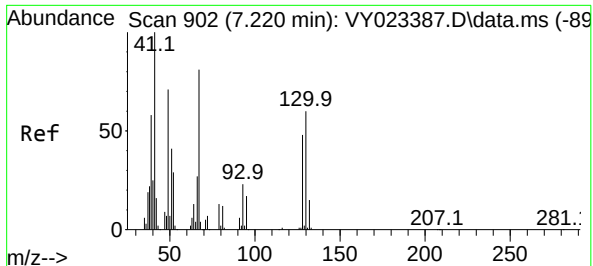
Tgt Ion: 78 Resp: 1105993

Ion Ratio Lower Upper

78 100

77 24.0 18.3 27.5





#41

Methacrylonitrile

Concen: 48.413 ug/l m

RT: 7.219 min Scan# 902

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 6807

Ion Ratio Lower Upper

41 100

39 64.3 52.2 78.4

67 102.9 74.9 112.3

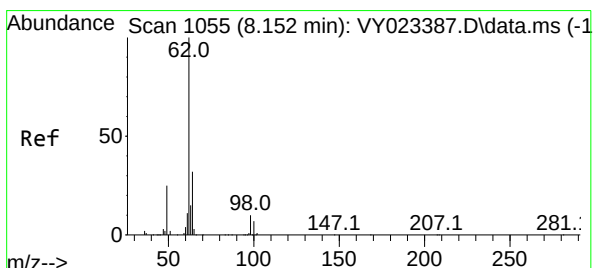
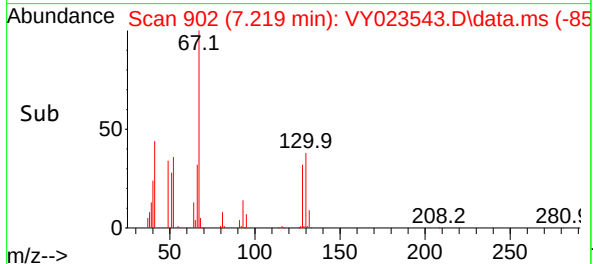
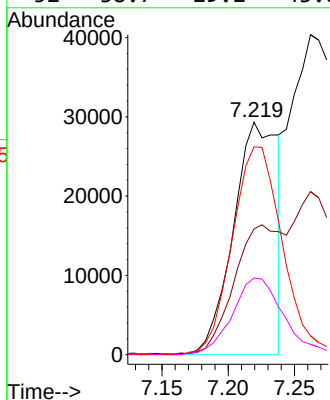
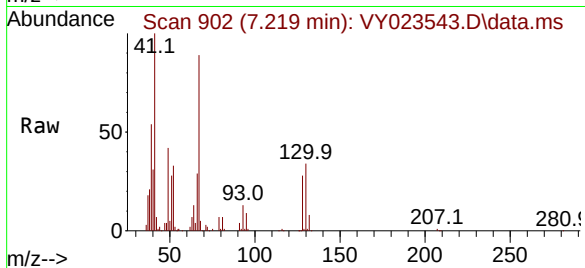
52 38.7 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#42

1,2-Dichloroethane

Concen: 51.247 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VY023543.D

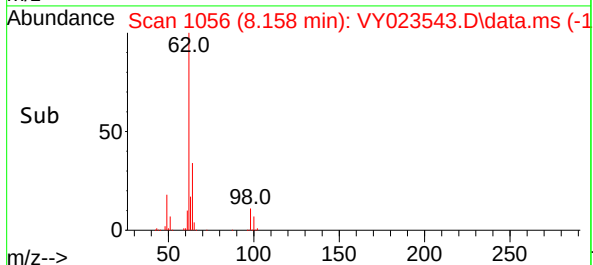
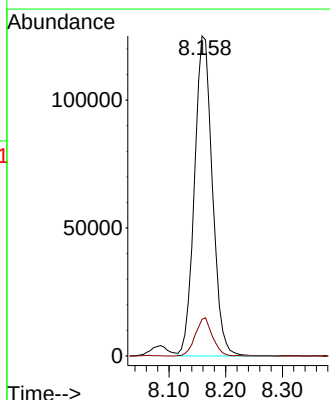
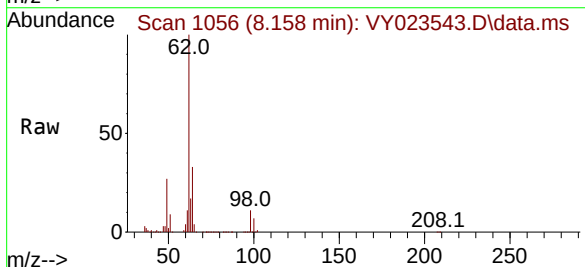
Acq: 22 Oct 2025 09:30

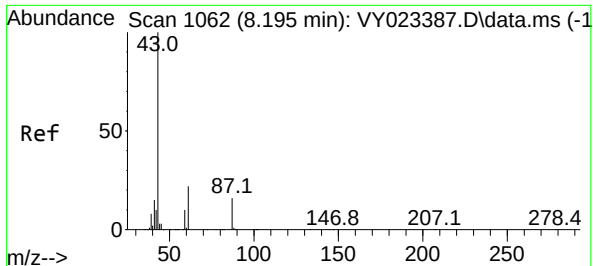
Tgt Ion: 62 Resp: 274669

Ion Ratio Lower Upper

62 100

98 11.4 0.0 21.6





#43

Isopropyl Acetate

Concen: 50.092 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 259670

Ion Ratio Lower Upper

43

100

61

87

25.1 18.1 27.1

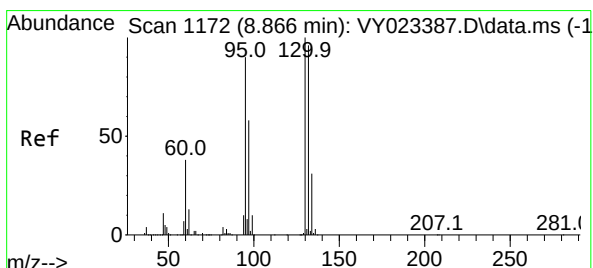
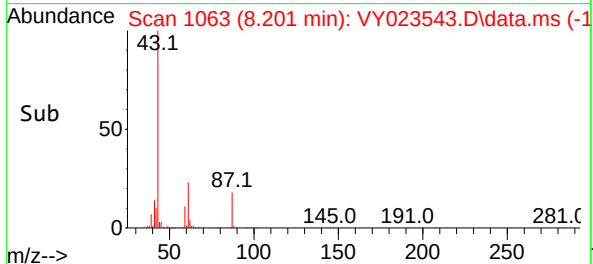
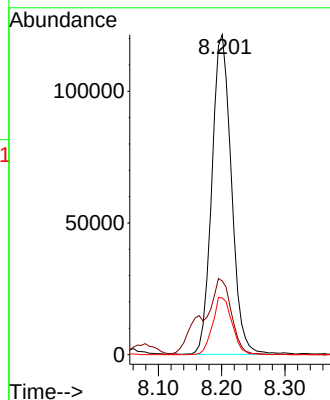
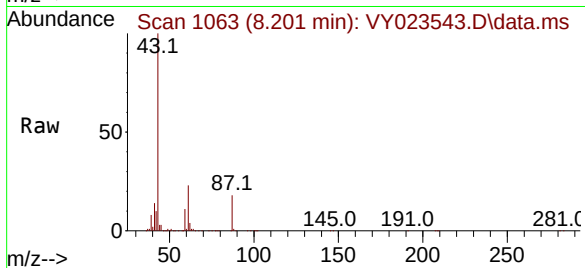
18.0 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#44

Trichloroethene

Concen: 54.528 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Tgt Ion:130 Resp: 331676

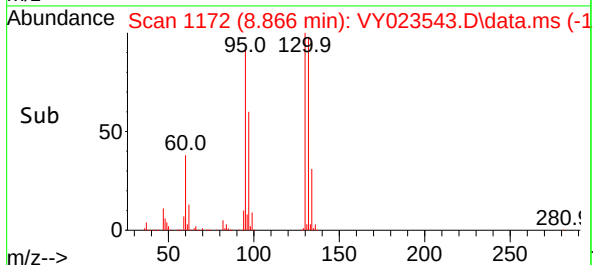
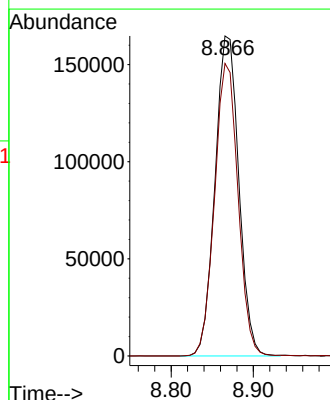
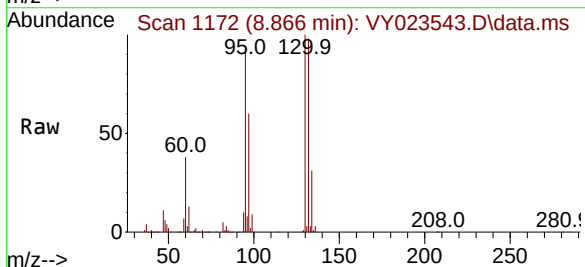
Ion Ratio Lower Upper

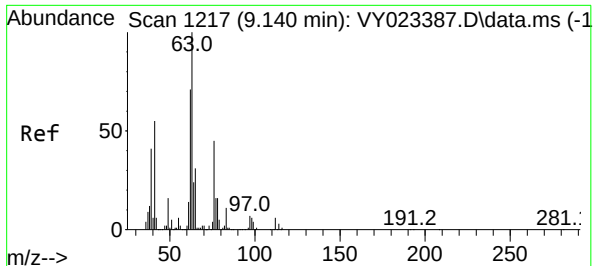
130

100

95

91.4 0.0 180.6





#45

1,2-Dichloropropane

Concen: 53.216 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 24427

Ion Ratio Lower Upper

63 100

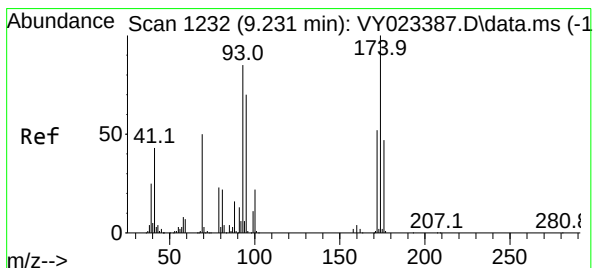
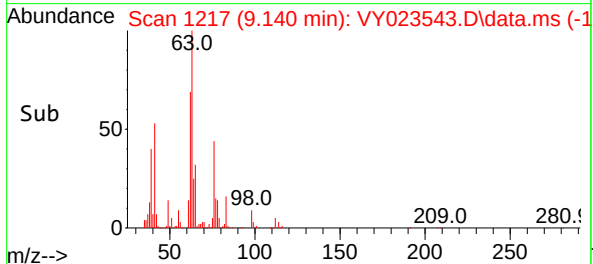
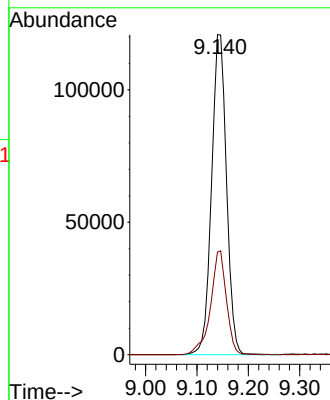
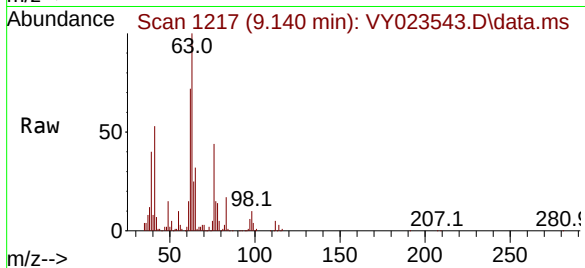
65 32.0 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#46

Dibromomethane

Concen: 54.359 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

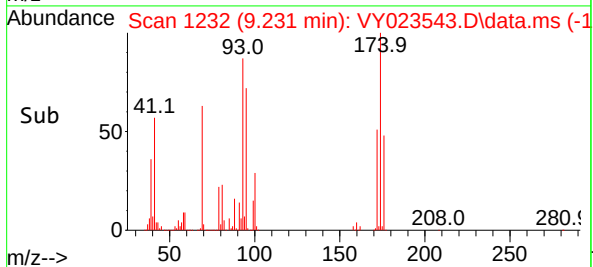
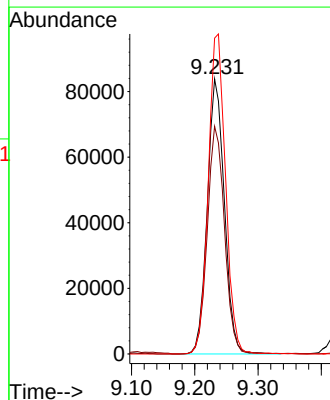
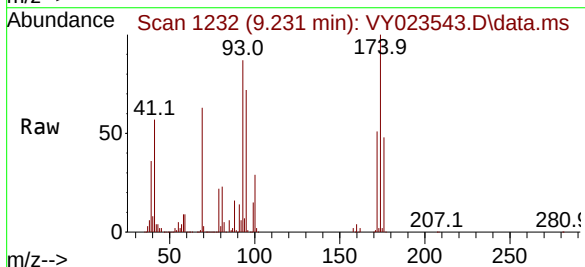
Tgt Ion: 93 Resp: 157780

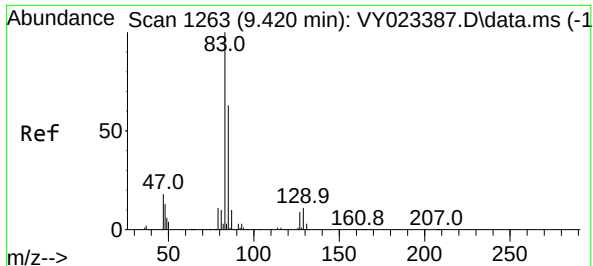
Ion Ratio Lower Upper

93 100

95 83.5 65.4 98.0

174 117.4 92.9 139.3





#47

Bromodichloromethane

Concen: 53.731 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 392784

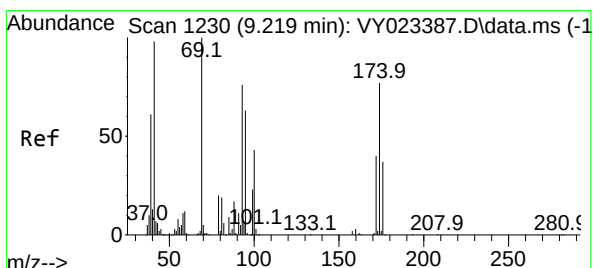
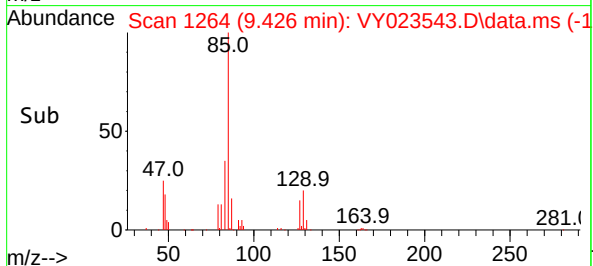
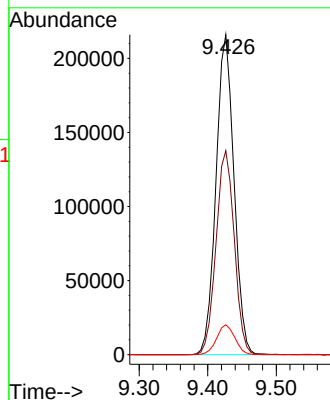
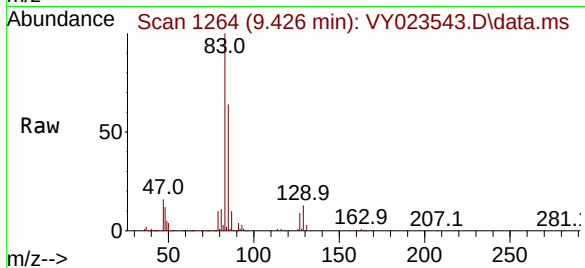
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 63.7  | 50.8  | 76.2  |
| 127 | 9.3   | 7.4   | 11.2  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#48

Methyl methacrylate

Concen: 51.729 ug/l

RT: 9.219 min Scan# 1230

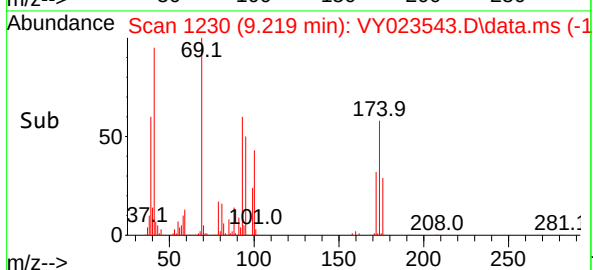
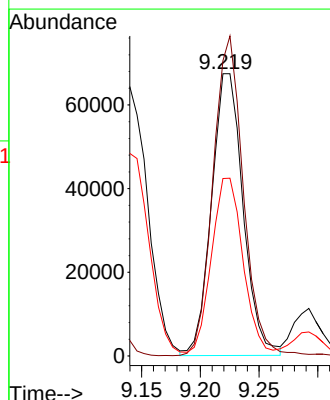
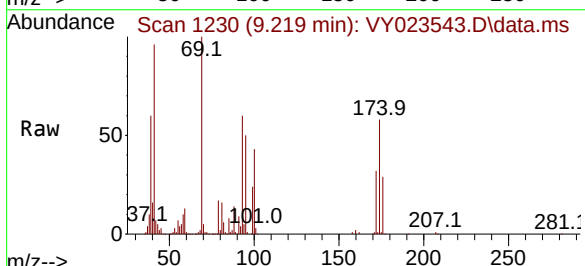
Delta R.T. -0.000 min

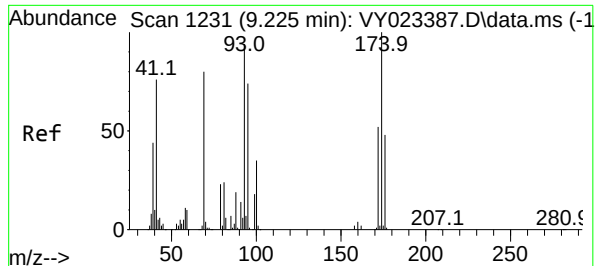
Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Tgt Ion: 41 Resp: 125981

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 69  | 108.7 | 81.0  | 121.4 |
| 39  | 60.9  | 48.2  | 72.4  |





#49

1,4-Dioxane

Concen: 1042.410 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

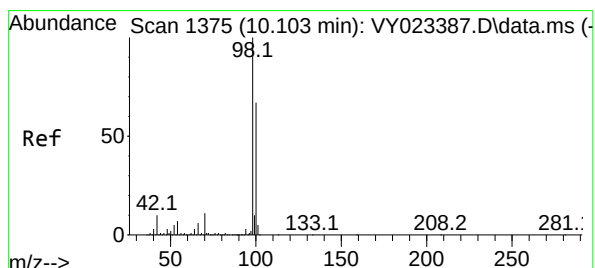
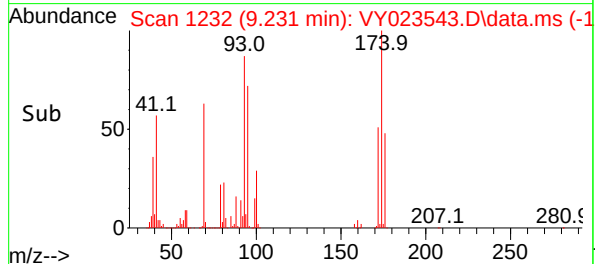
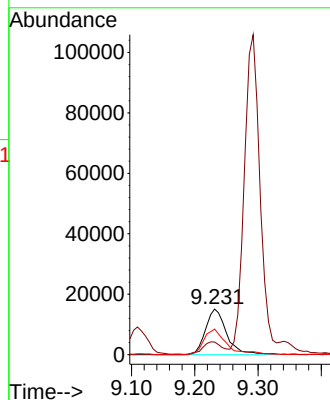
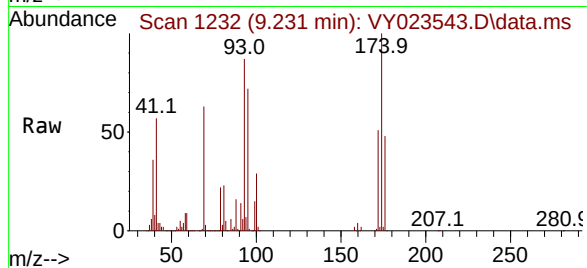
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 35080 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 26.1  | 21.8  | 32.8  |
| 58       | 56.0  | 46.8  | 70.2  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#50

Toluene-d8

Concen: 49.624 ug/l

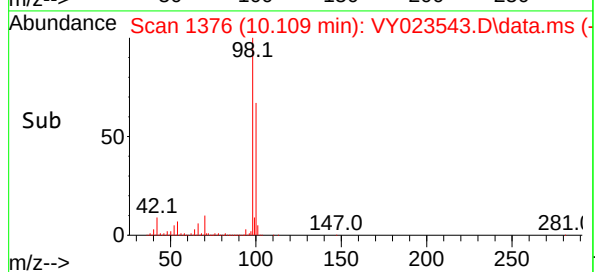
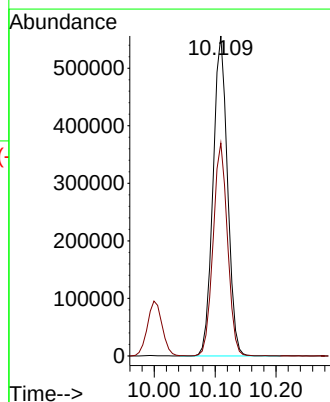
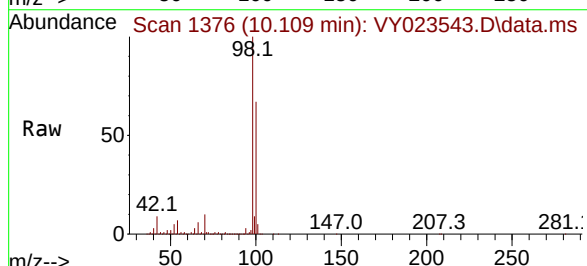
RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

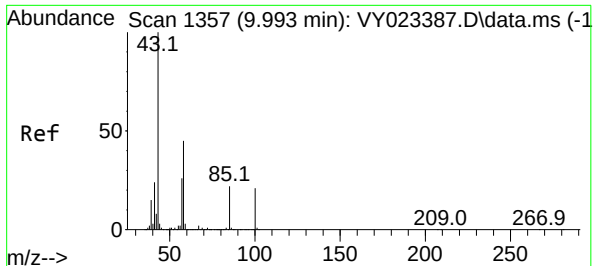
Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 916029 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 66.0  | 53.0  | 79.4   |







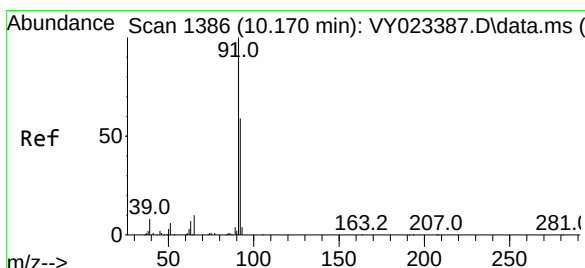
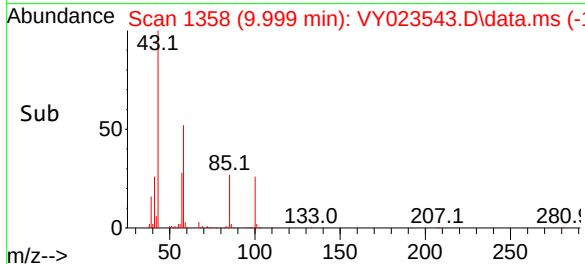
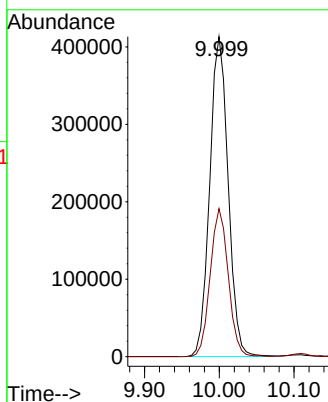
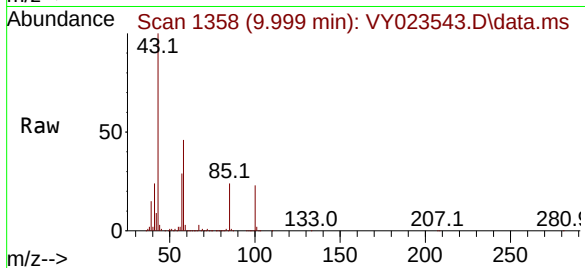
#51  
4-Methyl-2-Pentanone  
Concen: 263.542 ug/l  
RT: 9.999 min Scan# 1357  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 43 Resp: 70586  
Ion Ratio Lower Upper  
43 100  
58 45.5 35.3 52.9

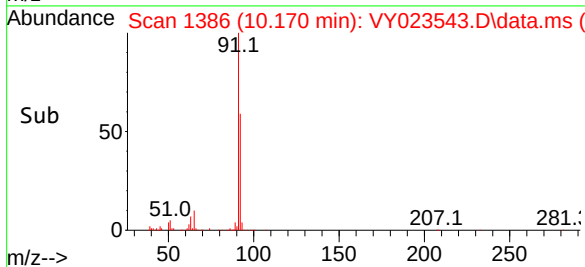
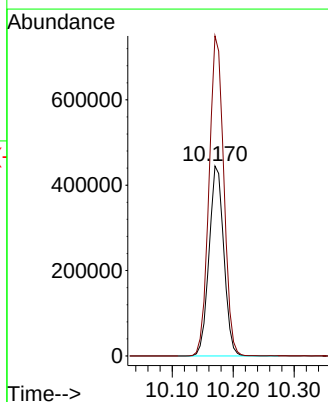
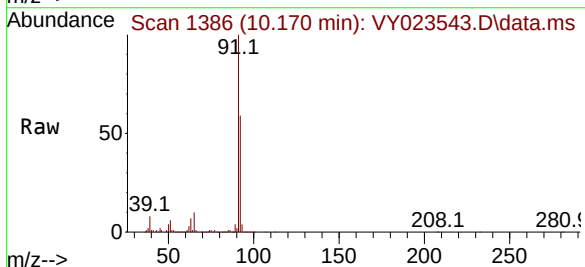
Manual Integrations  
APPROVED

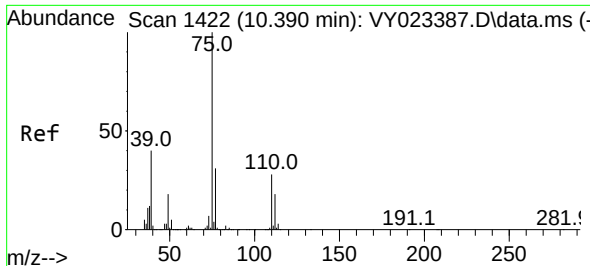
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#52  
Toluene  
Concen: 55.380 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. -0.000 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Tgt Ion: 92 Resp: 747259  
Ion Ratio Lower Upper  
92 100  
91 168.7 136.4 204.6





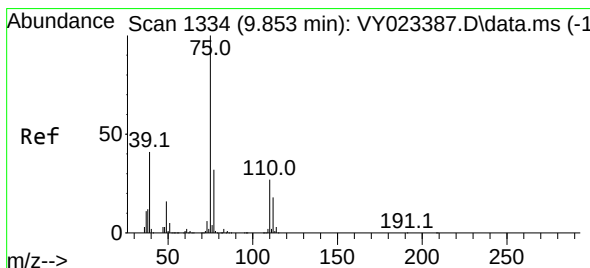
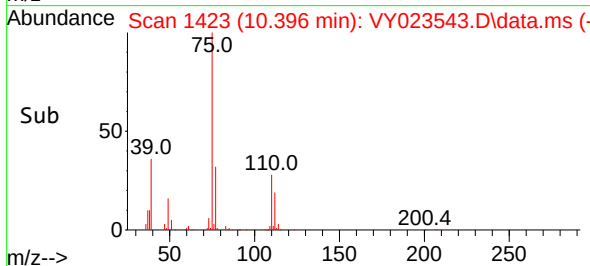
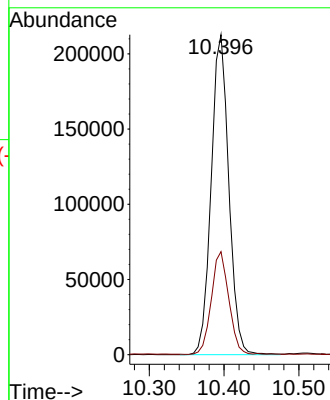
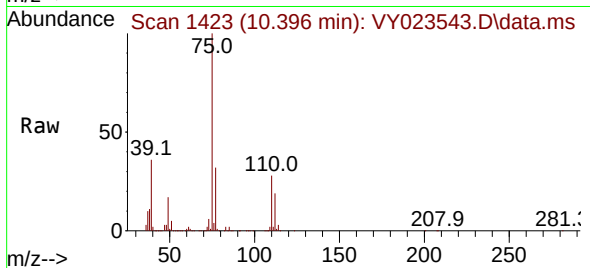
#53  
t-1,3-Dichloropropene  
Concen: 54.901 ug/l  
RT: 10.396 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 75 Resp: 34896  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.1 37.7

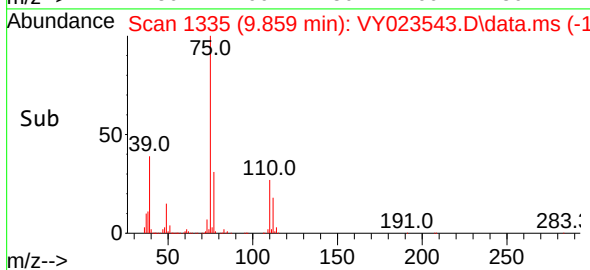
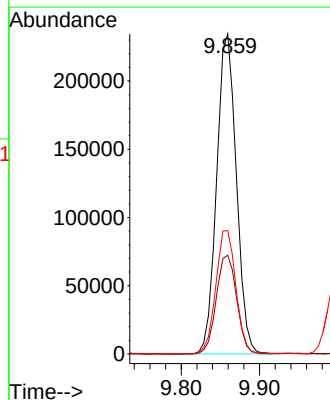
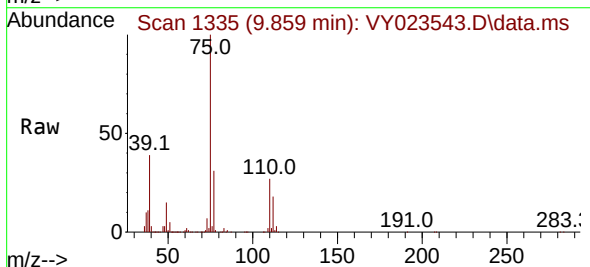
Manual Integrations  
APPROVED

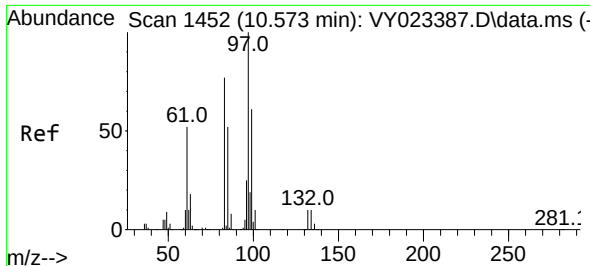
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#54  
cis-1,3-Dichloropropene  
Concen: 54.701 ug/l  
RT: 9.859 min Scan# 1335  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

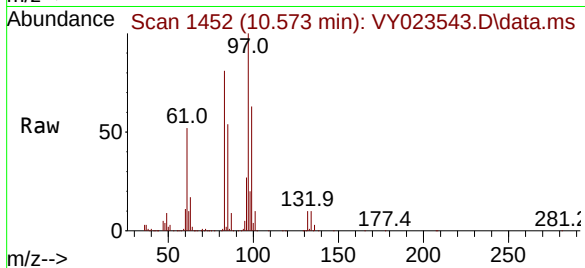
Tgt Ion: 75 Resp: 410362  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.4 38.0  
39 38.6 32.8 49.2





#55  
1,1,2-Trichloroethane  
Concen: 54.478 ug/l  
RT: 10.573 min Scan# 1452  
Delta R.T. -0.000 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

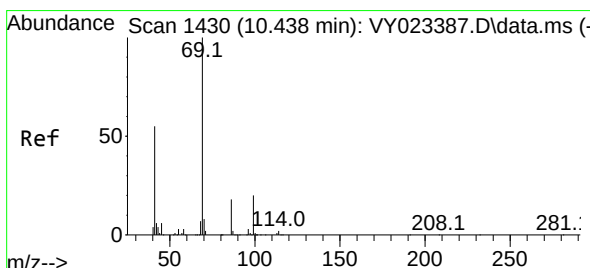
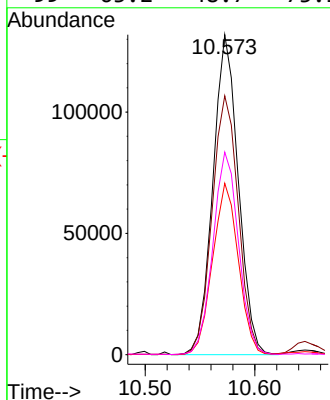
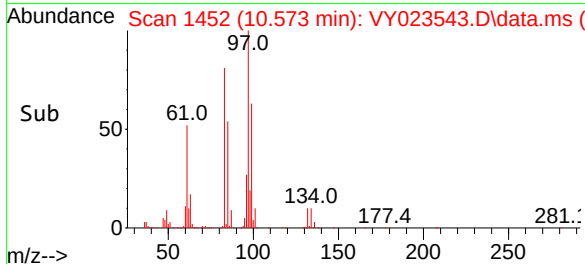
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050



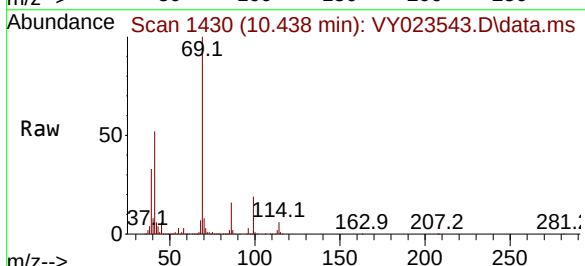
Tgt Ion: 97 Resp: 212638  
Ion Ratio Lower Upper  
97 100  
83 80.8 61.8 92.6  
85 53.5 41.3 61.9  
99 63.2 48.7 73.1

Manual Integrations  
APPROVED

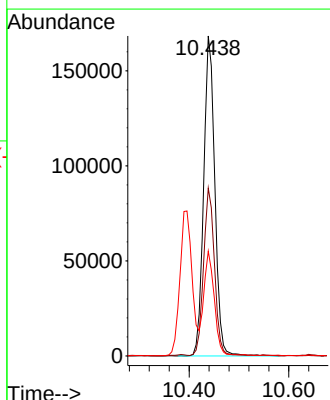
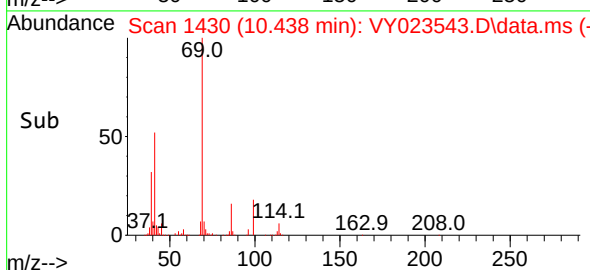
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

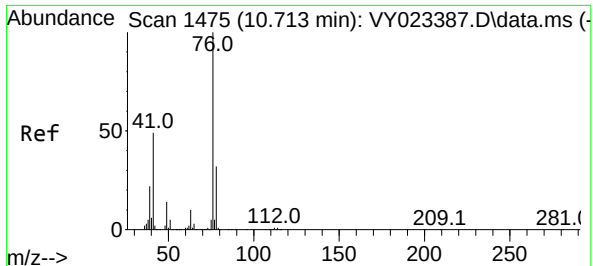


#56  
Ethyl methacrylate  
Concen: 57.967 ug/l  
RT: 10.438 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30



Tgt Ion: 69 Resp: 260989  
Ion Ratio Lower Upper  
69 100  
41 51.2 44.6 67.0  
39 30.1 27.0 40.4





#57

1,3-Dichloropropane

Concen: 54.594 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 337668

Ion Ratio Lower Upper

76 100

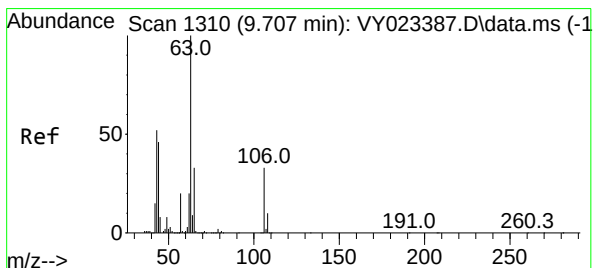
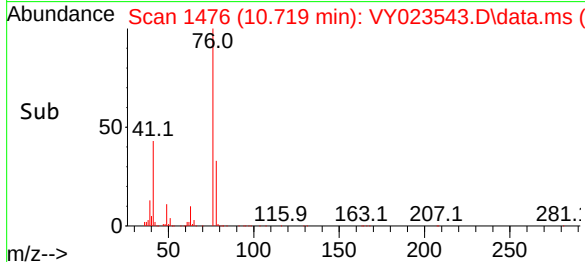
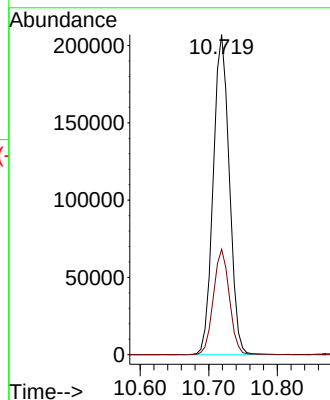
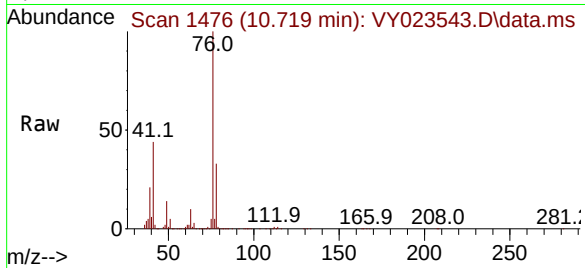
78 32.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#58

2-Chloroethyl Vinyl ether

Concen: 284.845 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023543.D

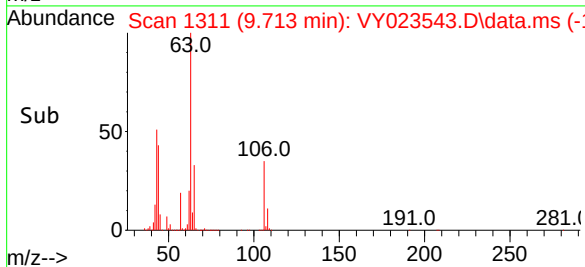
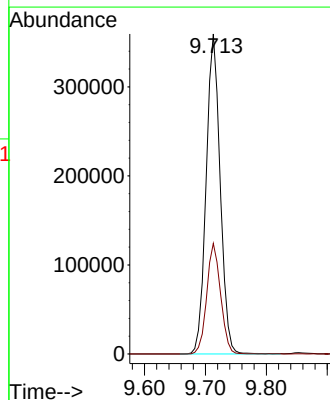
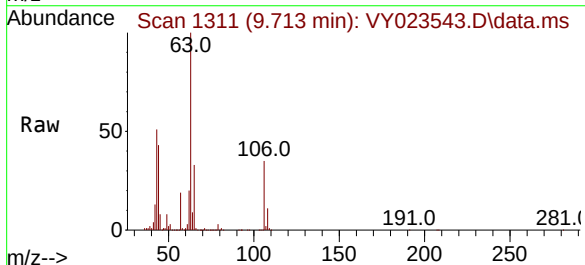
Acq: 22 Oct 2025 09:30

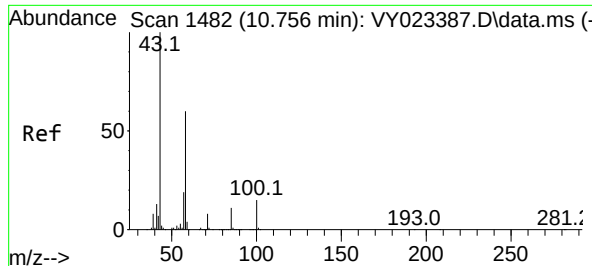
Tgt Ion: 63 Resp: 574517

Ion Ratio Lower Upper

63 100

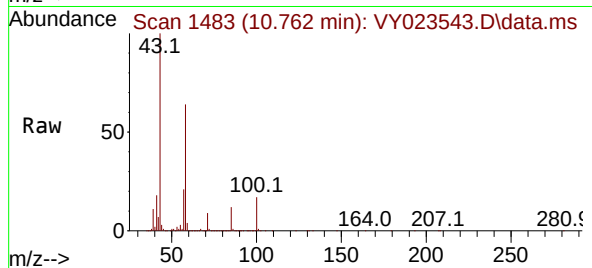
106 34.1 26.6 39.8





#59  
2-Hexanone  
Concen: 271.019 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

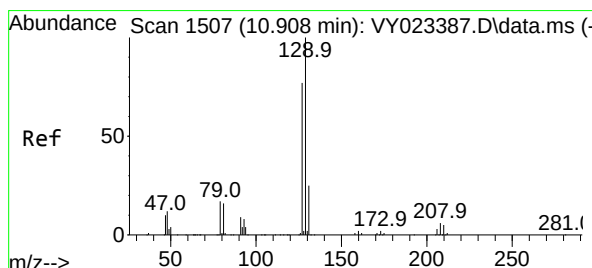
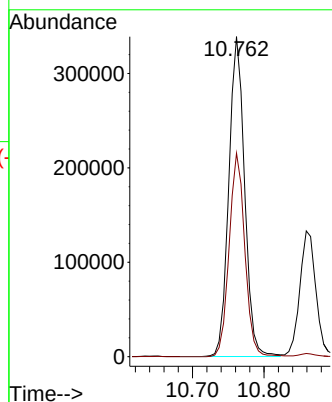
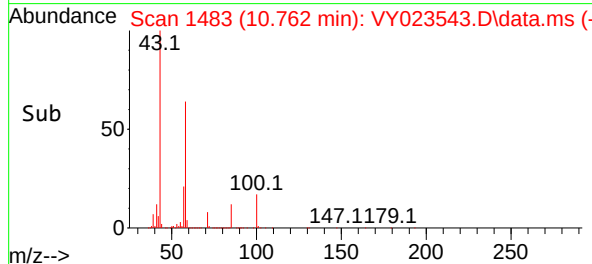
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 43 Resp: 51875  
Ion Ratio Lower Upper  
43 100  
58 63.3 30.5 91.5

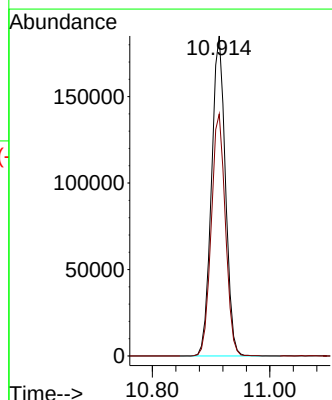
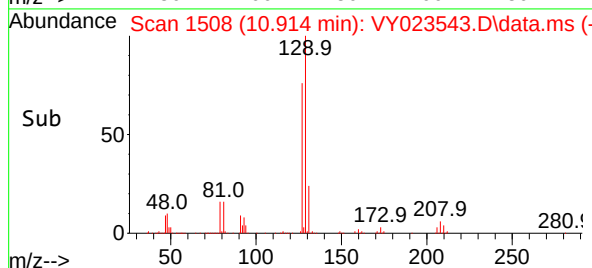
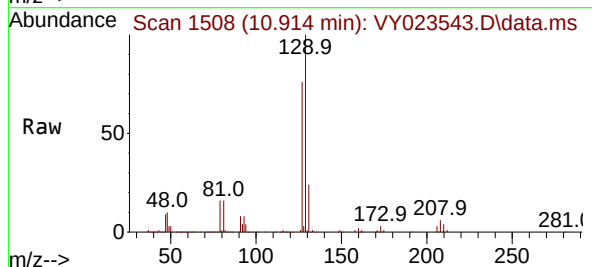
Manual Integrations  
APPROVED

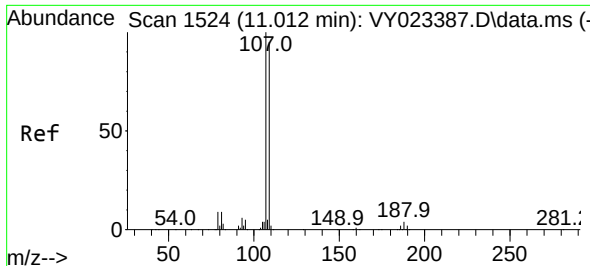
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#60  
Dibromochloromethane  
Concen: 55.647 ug/l  
RT: 10.914 min Scan# 1508  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

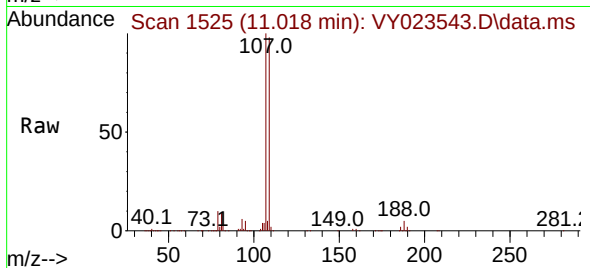
Tgt Ion:129 Resp: 304516  
Ion Ratio Lower Upper  
129 100  
127 76.6 38.6 115.7





#61  
1,2-Dibromoethane  
Concen: 55.233 ug/l  
RT: 11.018 min Scan# 1524  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

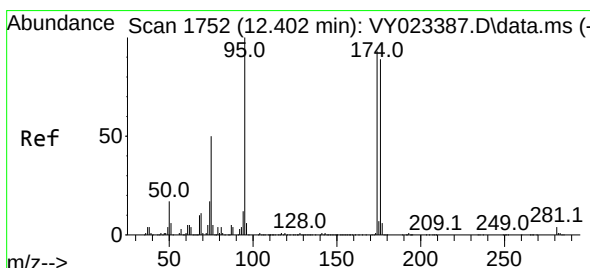
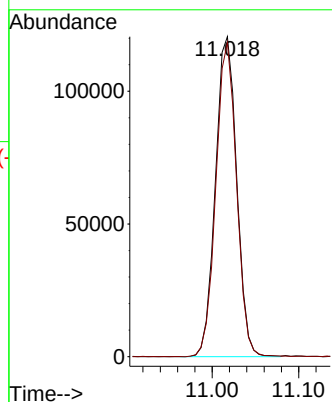
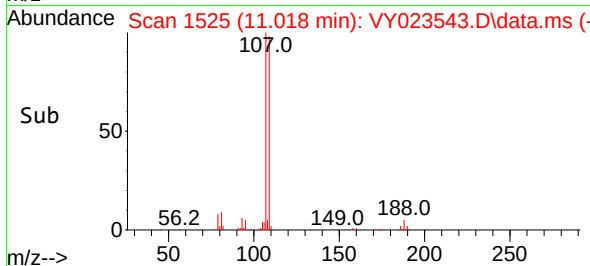
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050



Tgt Ion:107 Resp: 20560  
Ion Ratio Lower Upper  
107 100  
109 95.5 76.1 114.1

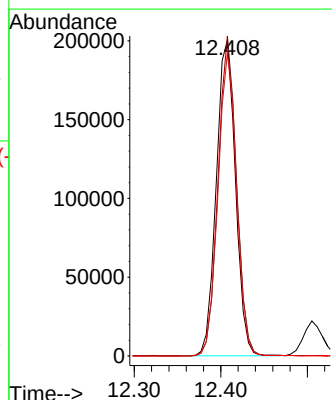
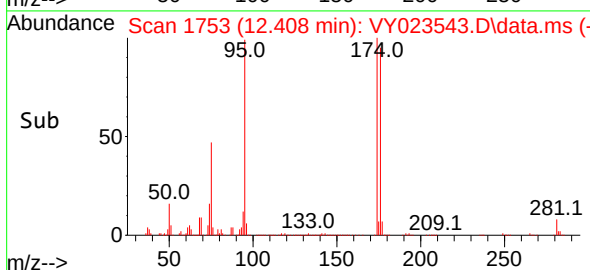
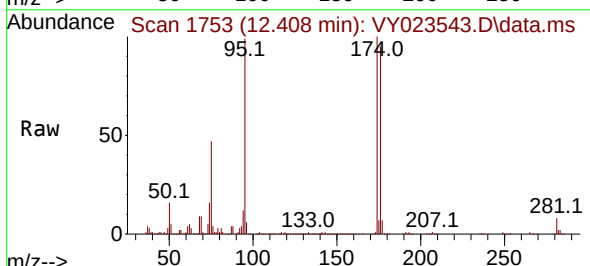
Manual Integrations  
APPROVED

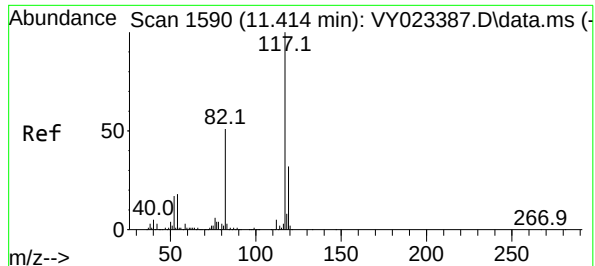
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#62  
4-Bromofluorobenzene  
Concen: 50.517 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

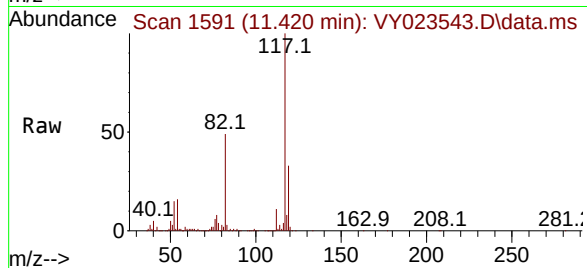
Tgt Ion: 95 Resp: 307868  
Ion Ratio Lower Upper  
95 100  
174 97.4 0.0 192.8  
176 93.9 0.0 187.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

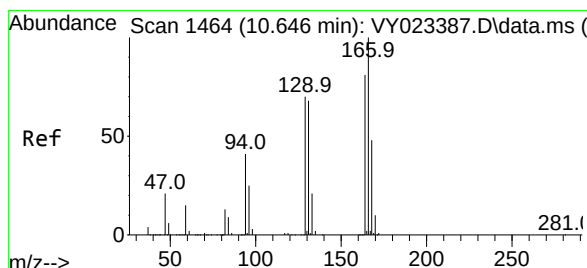
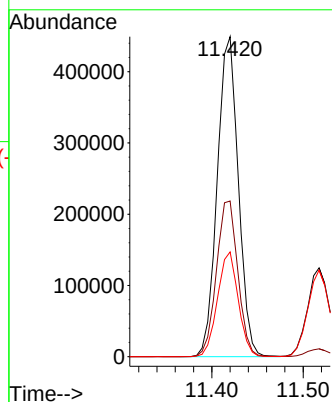
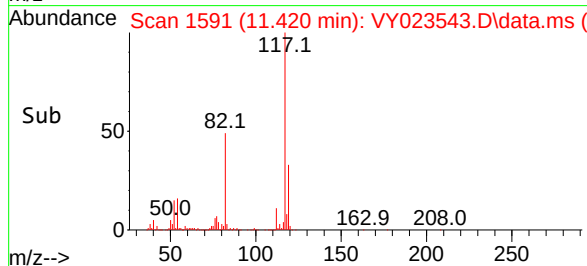
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050



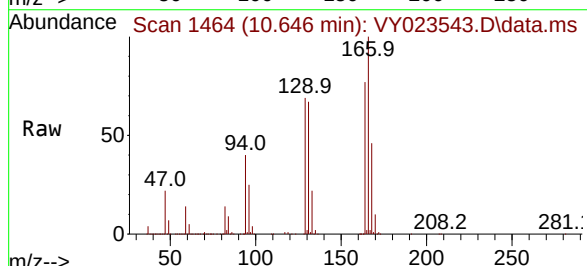
Tgt Ion:117 Resp: 720000  
Ion Ratio Lower Upper  
117 100  
82 48.7 41.0 61.4  
119 32.8 25.6 38.4

Manual Integrations  
APPROVED

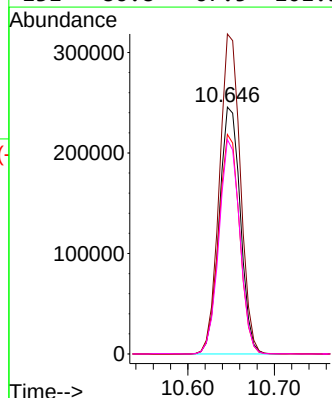
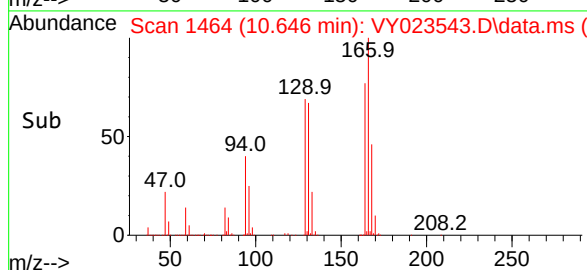
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

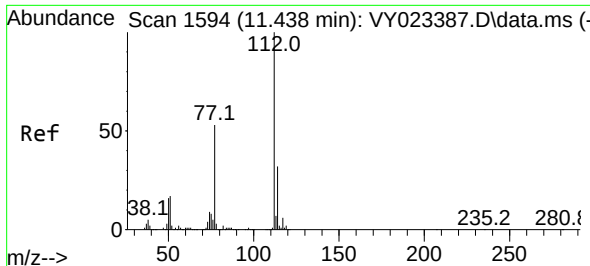


#64  
Tetrachloroethene  
Concen: 56.127 ug/l  
RT: 10.646 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30



Tgt Ion:164 Resp: 417270  
Ion Ratio Lower Upper  
164 100  
166 129.6 99.4 149.0  
129 89.0 69.4 104.2  
131 86.8 67.5 101.3





#65

Chlorobenzene

Concen: 53.721 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 841259

Ion Ratio Lower Upper

112 100

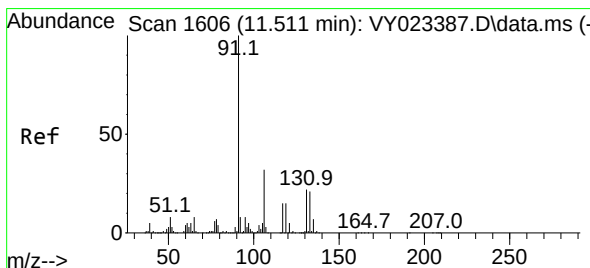
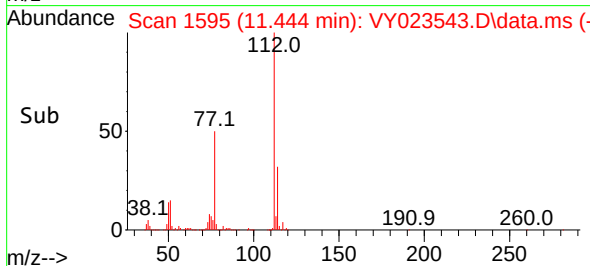
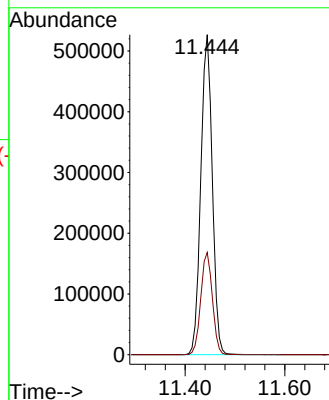
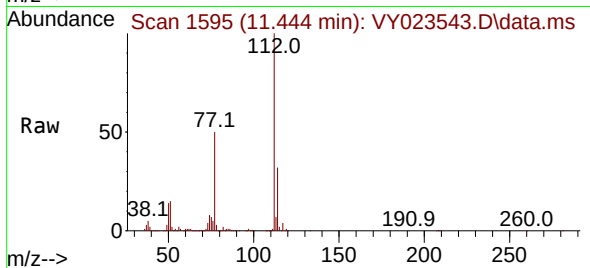
114 32.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 54.255 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

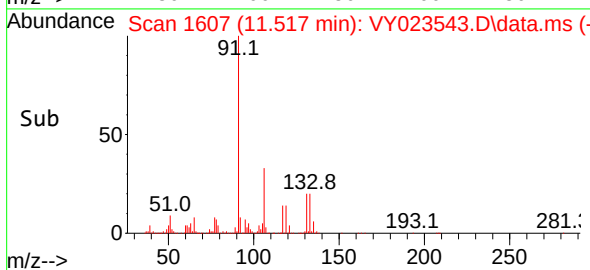
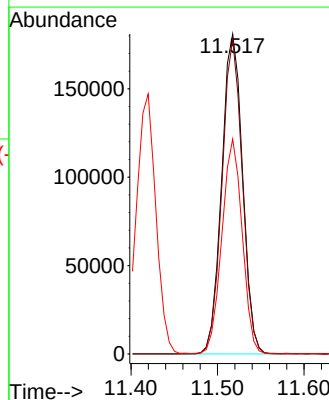
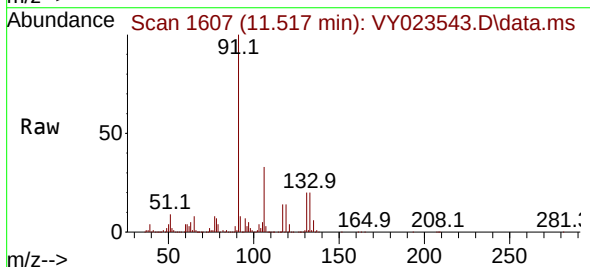
Tgt Ion:131 Resp: 302769

Ion Ratio Lower Upper

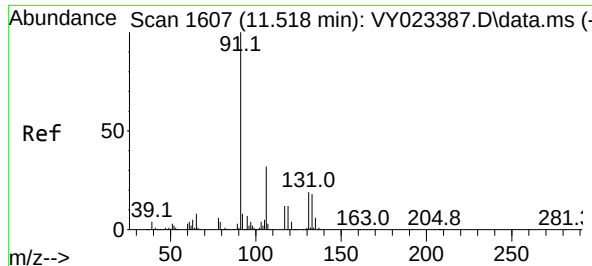
131 100

133 95.7 48.4 145.2

119 65.3 32.4 97.2

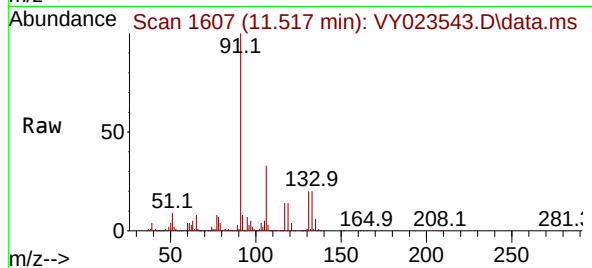






#67  
Ethyl Benzene  
Concen: 54.584 ug/l  
RT: 11.517 min Scan# 1607  
Delta R.T. -0.000 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

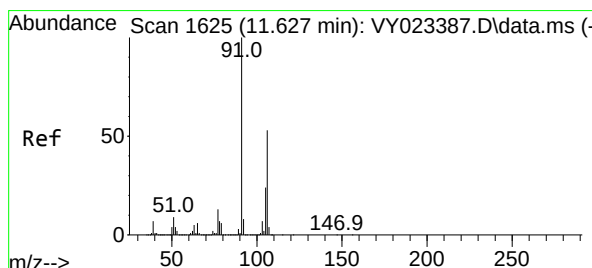
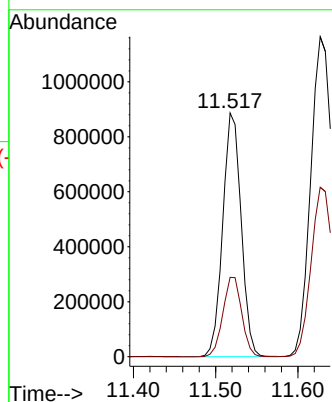
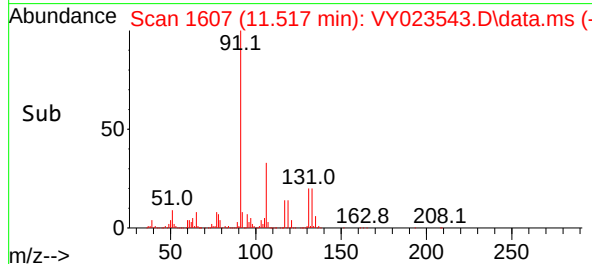
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 91 Resp: 138361  
Ion Ratio Lower Upper  
91 100  
106 32.6 25.8 38.8

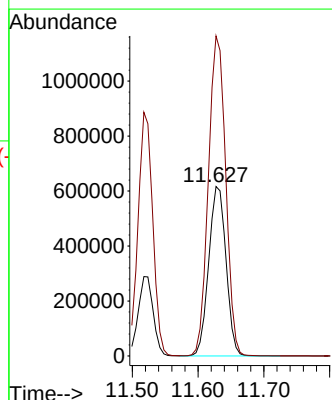
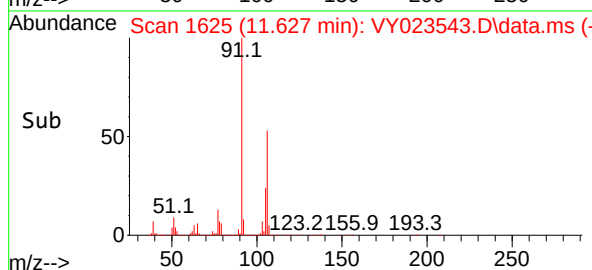
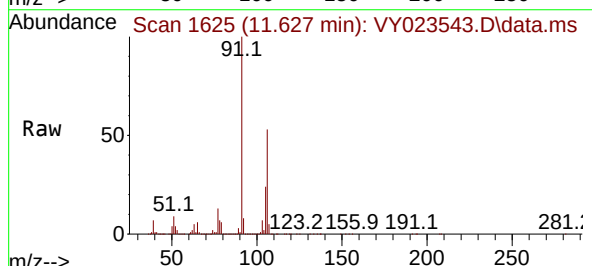
Manual Integrations  
APPROVED

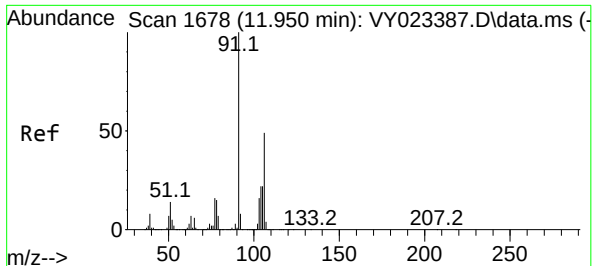
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#68  
m/p-Xylenes  
Concen: 110.980 ug/l  
RT: 11.627 min Scan# 1625  
Delta R.T. -0.000 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Tgt Ion:106 Resp: 1128353  
Ion Ratio Lower Upper  
106 100  
91 189.3 152.6 229.0





#69

o-Xylene

Concen: 55.814 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 532269

Ion Ratio Lower Upper

106 100

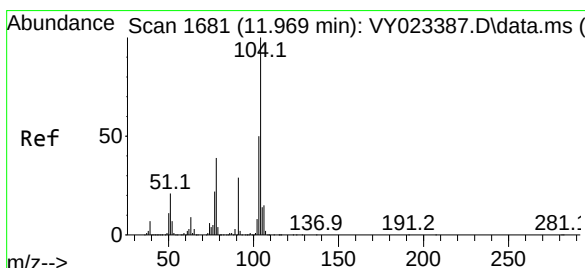
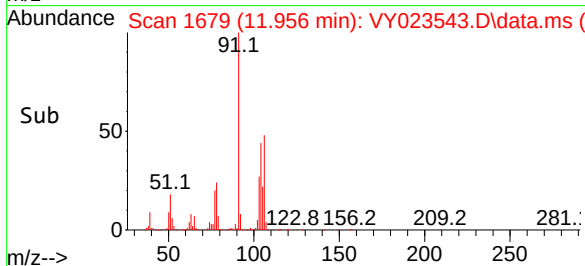
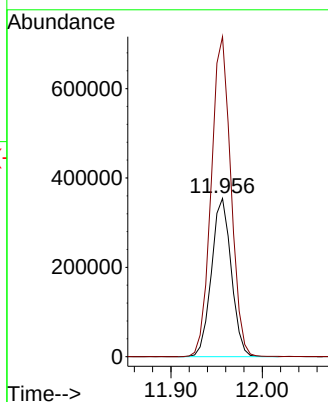
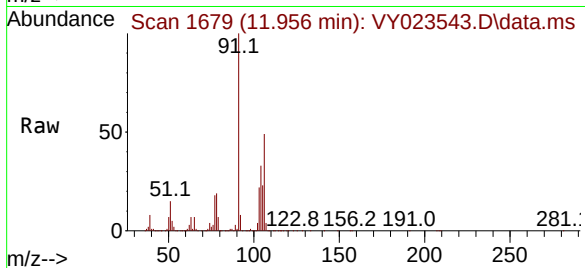
91 201.1 101.4 304.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#70

Styrene

Concen: 56.380 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

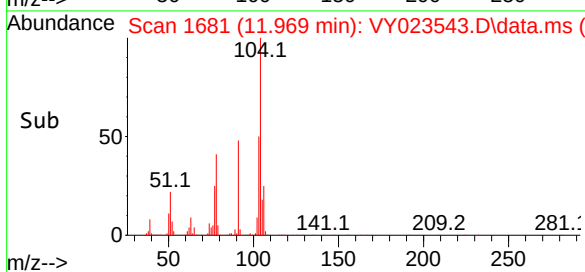
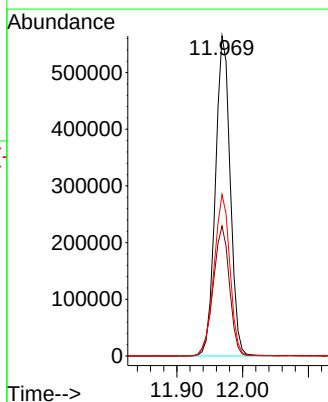
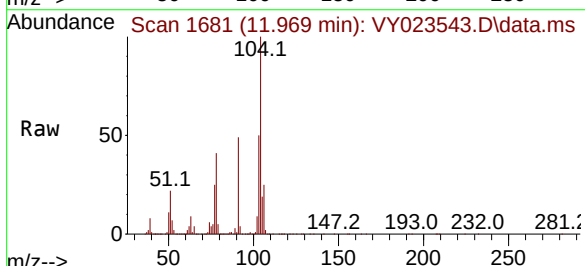
Tgt Ion:104 Resp: 884177

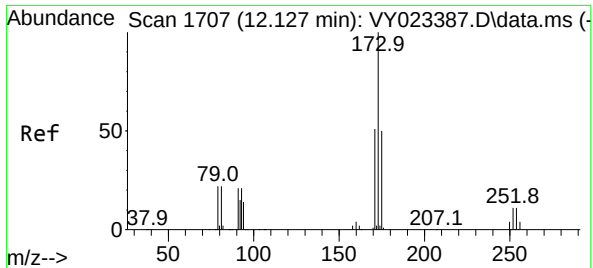
Ion Ratio Lower Upper

104 100

78 44.6 36.1 54.1

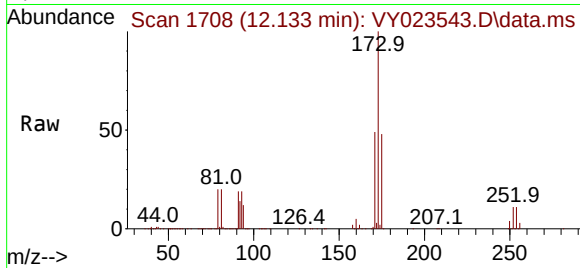
103 54.2 43.2 64.8





#71  
Bromoform  
Concen: 54.947 ug/l  
RT: 12.133 min Scan# 1707  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

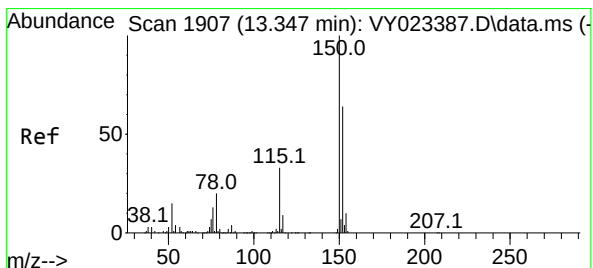
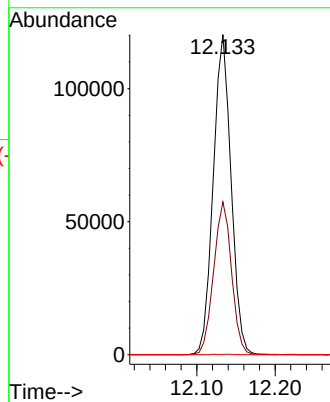
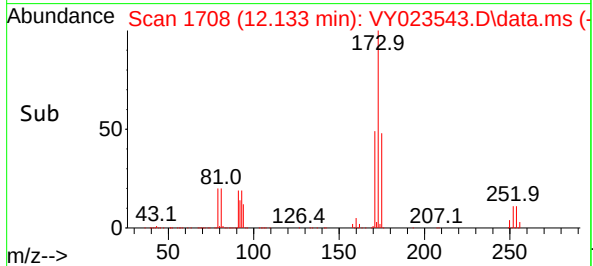
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050



Tgt Ion:173 Resp: 19020  
Ion Ratio Lower Upper  
173 100  
175 47.9 24.8 74.3  
254 0.1 0.1 0.1

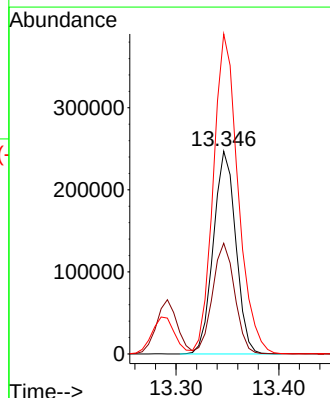
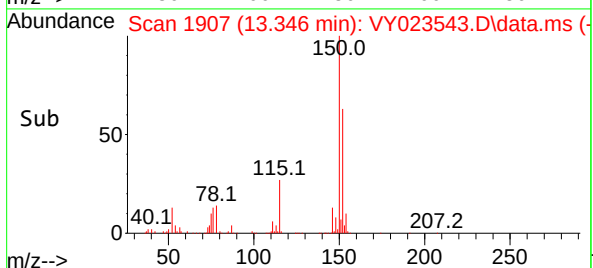
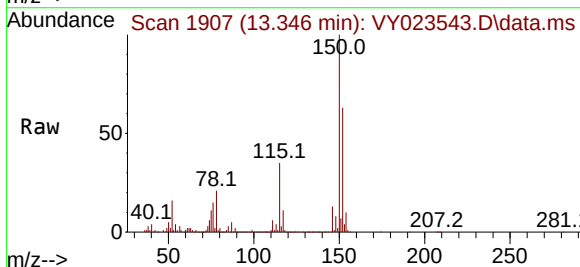
Manual Integrations  
APPROVED

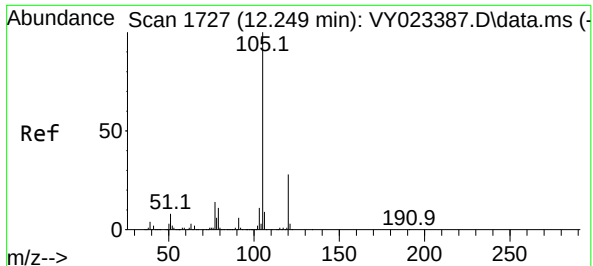
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

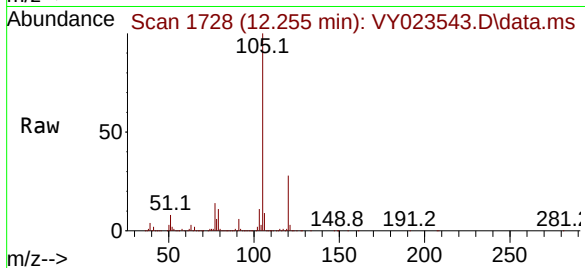
Tgt Ion:152 Resp: 373234  
Ion Ratio Lower Upper  
152 100  
115 54.1 27.1 81.2  
150 174.4 0.0 347.4





#73  
Isopropylbenzene  
Concen: 56.129 ug/l  
RT: 12.255 min Scan# 1728  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

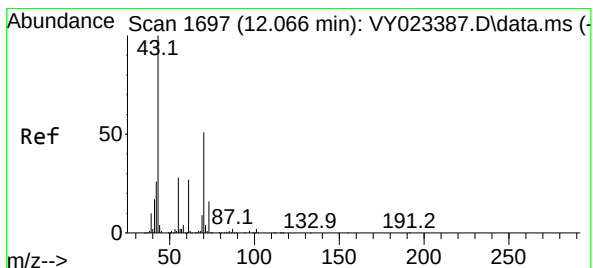
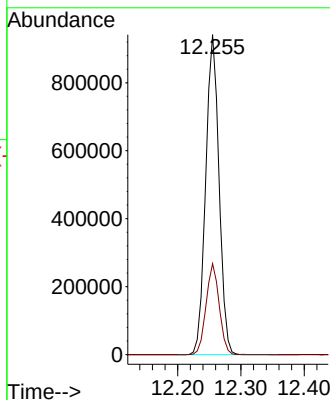
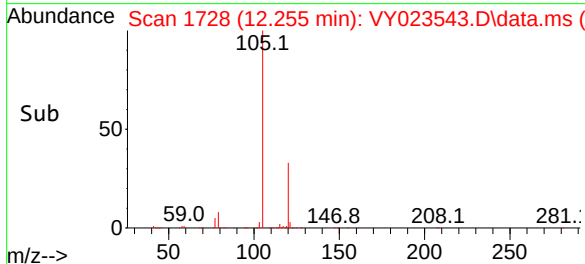
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050



Tgt Ion:105 Resp: 1380580  
Ion Ratio Lower Upper  
105 100  
120 28.0 13.9 41.7

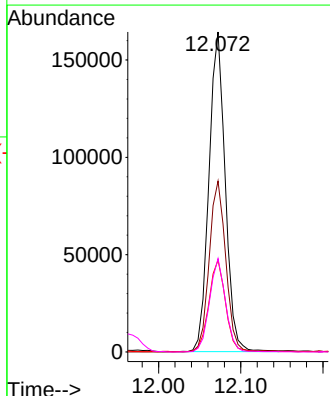
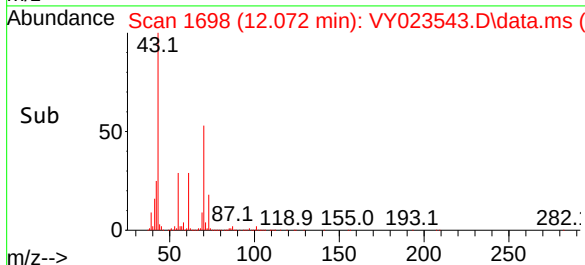
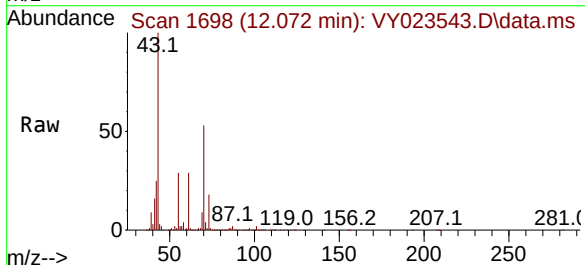
Manual Integrations  
APPROVED

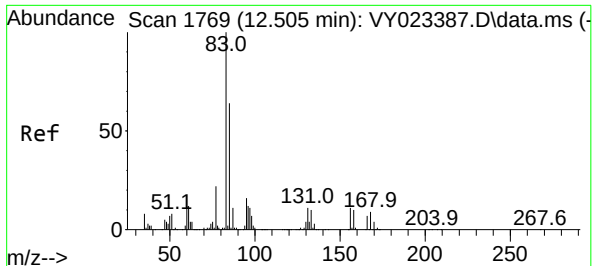
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#74  
N-ethyl acetate  
Concen: 51.252 ug/l  
RT: 12.072 min Scan# 1698  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Tgt Ion: 43 Resp: 226427  
Ion Ratio Lower Upper  
43 100  
70 54.6 41.1 61.7  
55 29.0 23.0 34.6  
61 28.9 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.112 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 20964

Ion Ratio Lower Upper

83 100

131 11.7 5.9 17.6

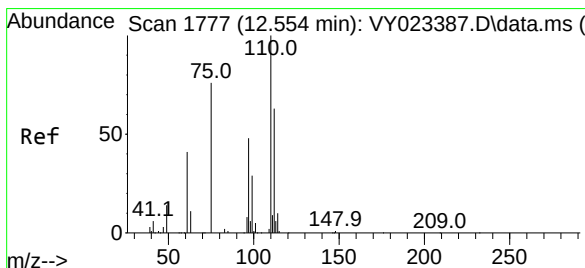
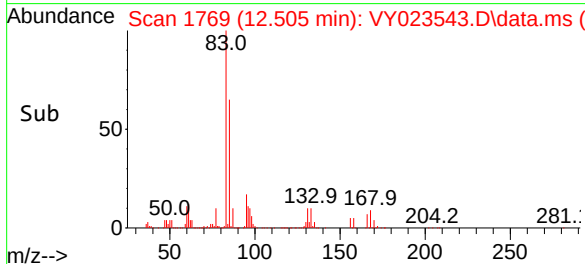
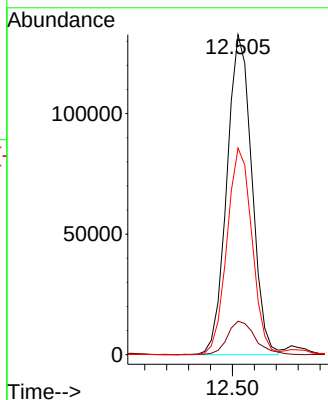
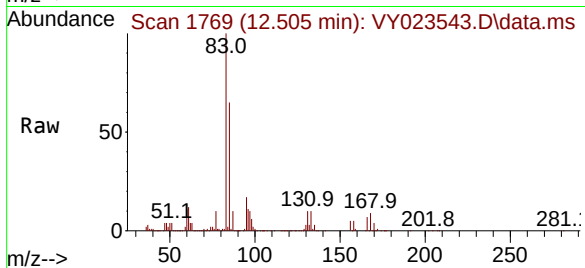
85 64.8 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#76

1,2,3-Trichloropropane

Concen: 50.178 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VY023543.D

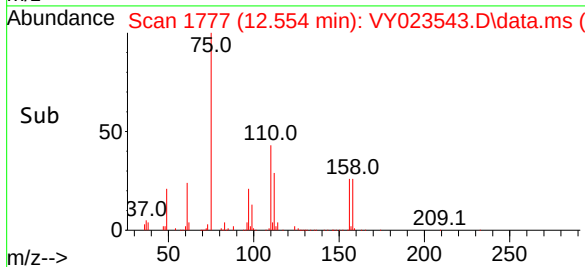
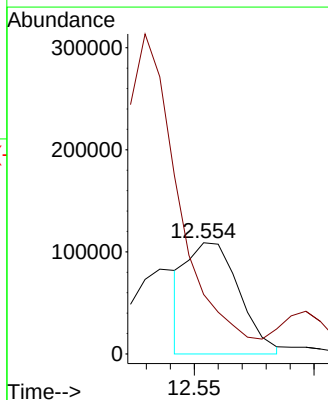
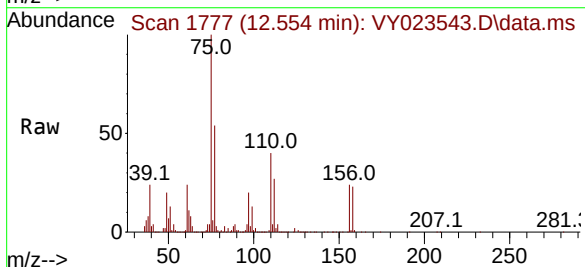
Acq: 22 Oct 2025 09:30

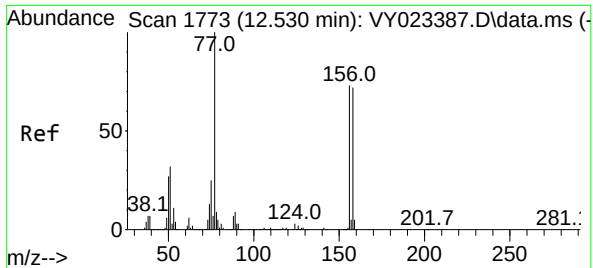
Tgt Ion: 75 Resp: 165233

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 54.338 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 355320

Ion Ratio Lower Upper

156 100

77 150.7 76.8 230.5

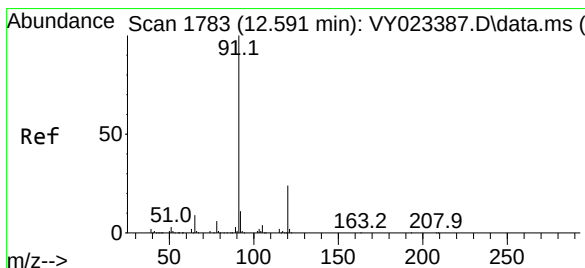
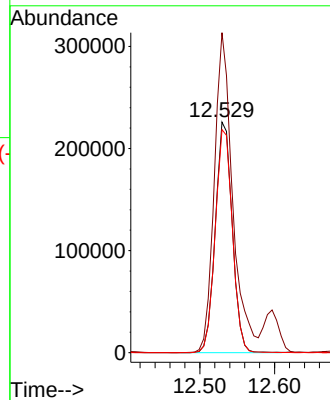
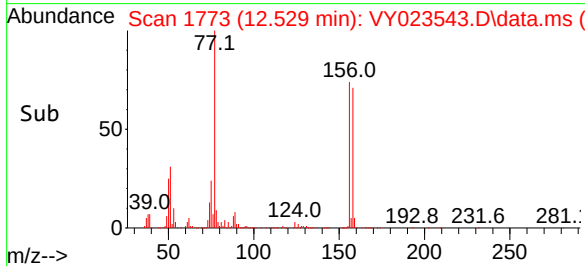
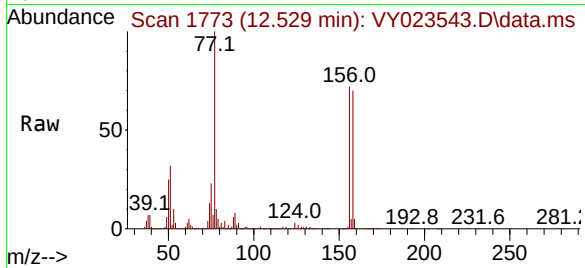
158 98.3 49.0 147.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#78

n-propylbenzene

Concen: 56.123 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY023543.D

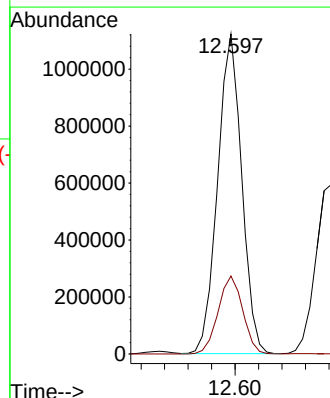
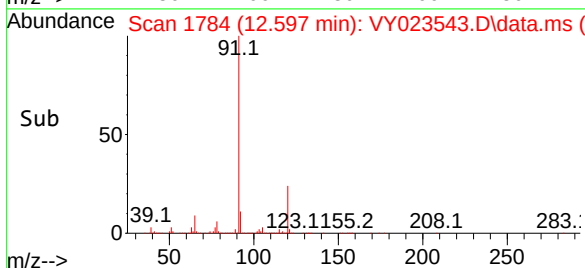
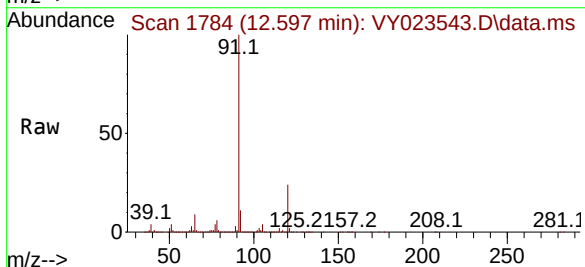
Acq: 22 Oct 2025 09:30

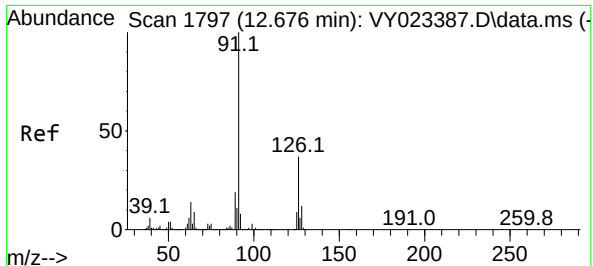
Tgt Ion: 91 Resp: 1597439

Ion Ratio Lower Upper

91 100

120 24.8 12.3 36.8





#79

2-Chlorotoluene

Concen: 54.637 ug/l

RT: 12.682 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 910692

Ion Ratio Lower Upper

91 100

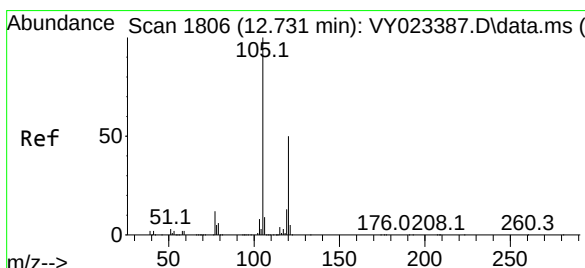
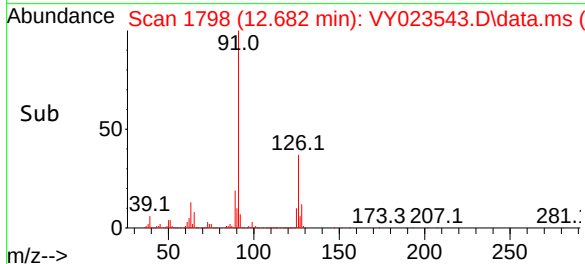
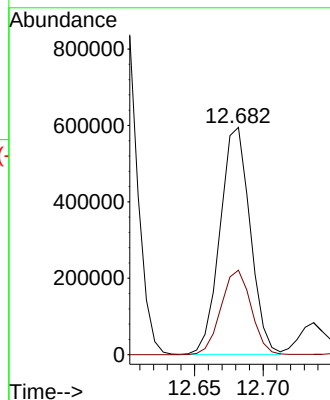
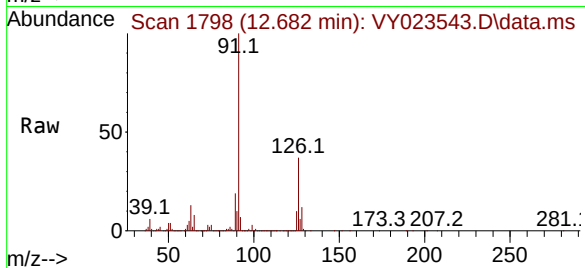
126 37.3 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#80

1,3,5-Trimethylbenzene

Concen: 56.518 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023543.D

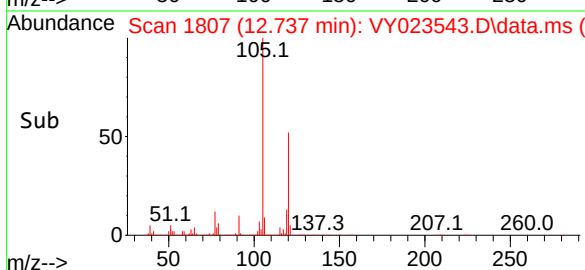
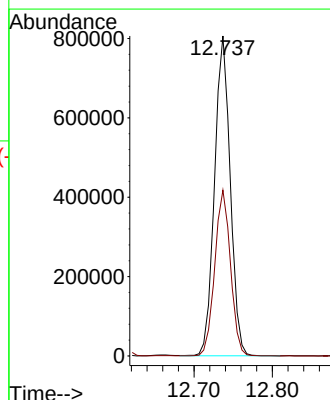
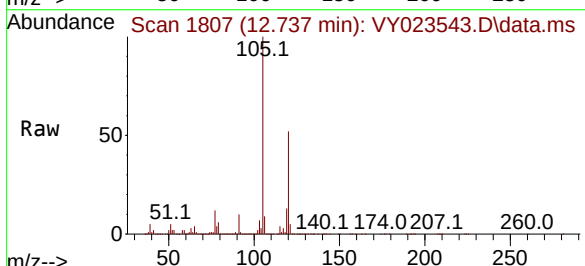
Acq: 22 Oct 2025 09:30

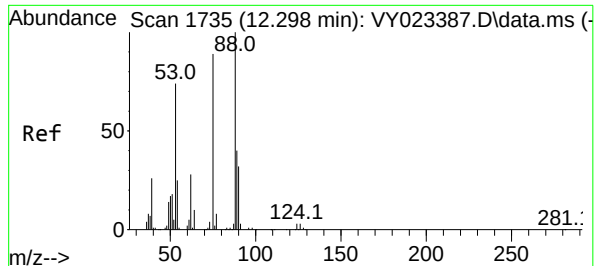
Tgt Ion:105 Resp: 1123341

Ion Ratio Lower Upper

105 100

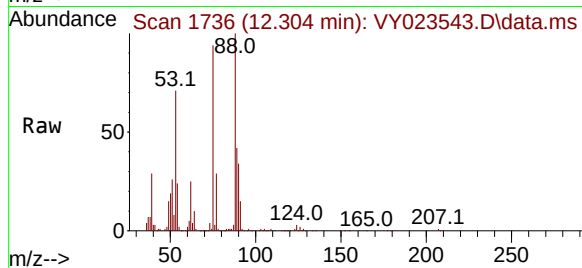
120 52.0 25.4 76.4





#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.547 ug/l  
RT: 12.304 min Scan# 1735  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

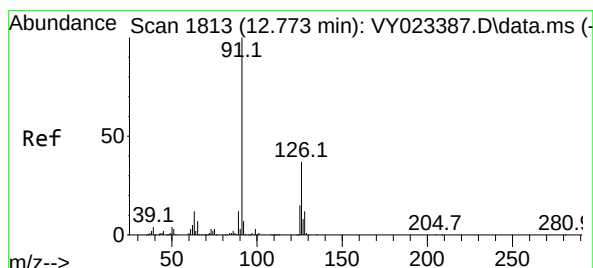
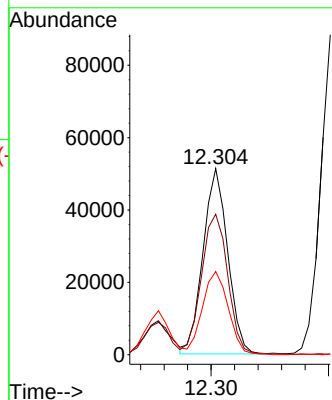
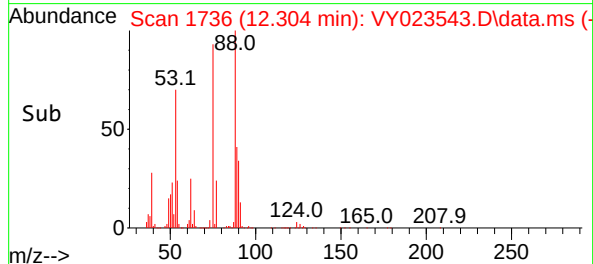
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 75 Resp: 7459  
Ion Ratio Lower Upper  
75 100  
53 80.3 68.6 102.8  
89 47.0 39.0 58.4

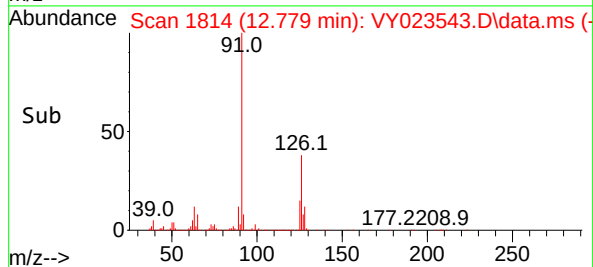
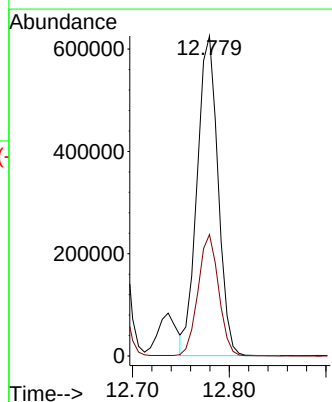
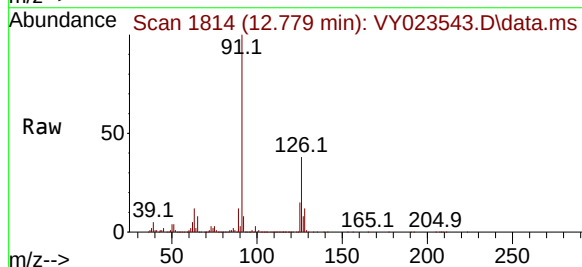
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

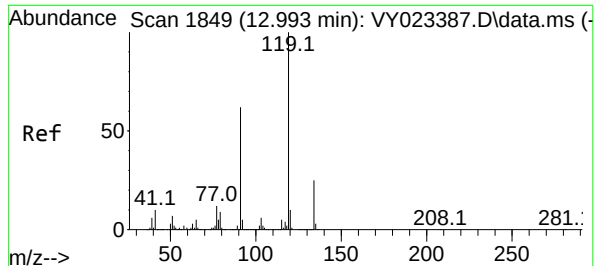


#82  
4-Chlorotoluene  
Concen: 54.609 ug/l  
RT: 12.779 min Scan# 1814  
Delta R.T. 0.006 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Tgt Ion: 91 Resp: 937415  
Ion Ratio Lower Upper  
91 100  
126 37.7 18.4 55.4







#83

tert-Butylbenzene

Concen: 56.518 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 1037184

Ion Ratio Lower Upper

119 100

91 59.6 29.9 89.8

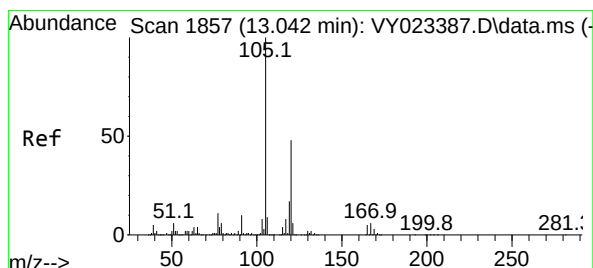
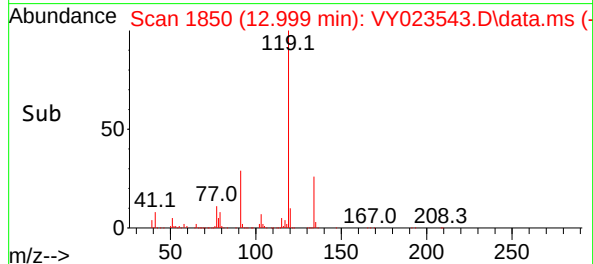
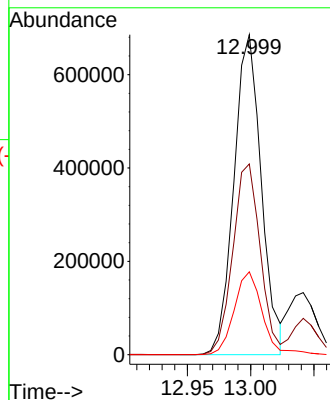
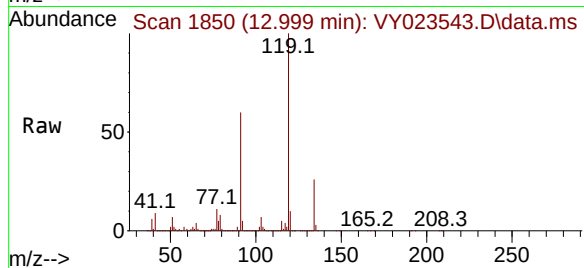
134 26.5 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#84

1,2,4-Trimethylbenzene

Concen: 56.397 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY023543.D

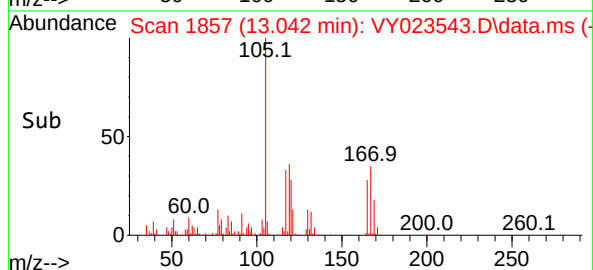
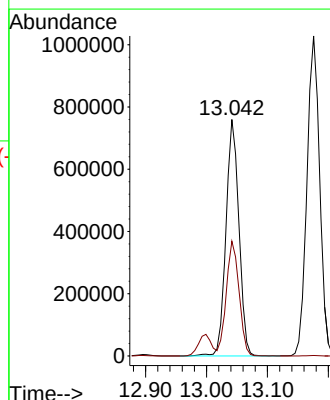
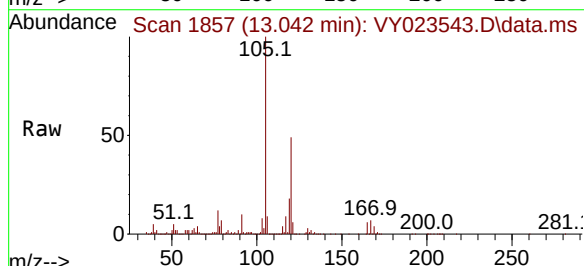
Acq: 22 Oct 2025 09:30

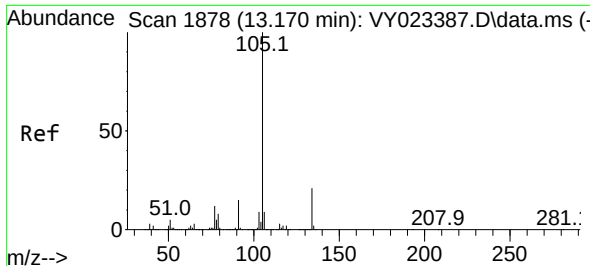
Tgt Ion:105 Resp: 1118689

Ion Ratio Lower Upper

105 100

120 47.9 23.8 71.2





#85

sec-Butylbenzene

Concen: 56.506 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 1487514

Ion Ratio Lower Upper

105 100

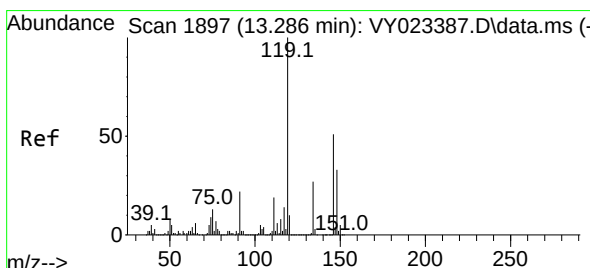
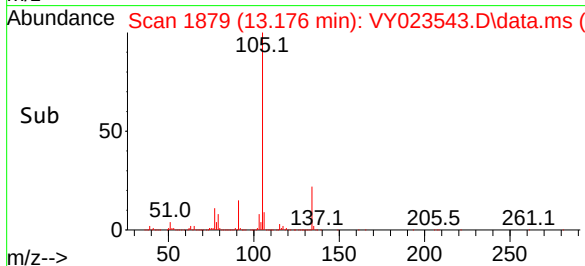
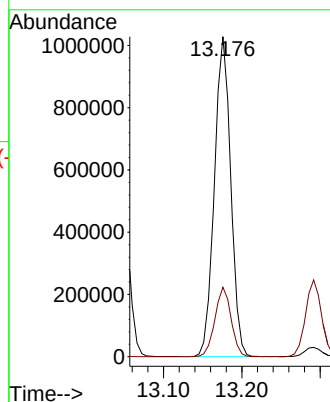
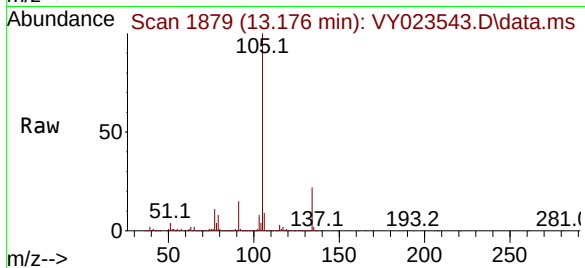
134 21.6 10.7 32.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#86

p-Isopropyltoluene

Concen: 57.215 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

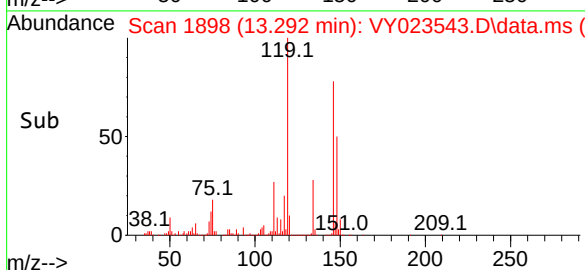
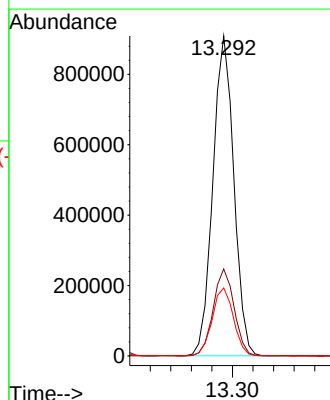
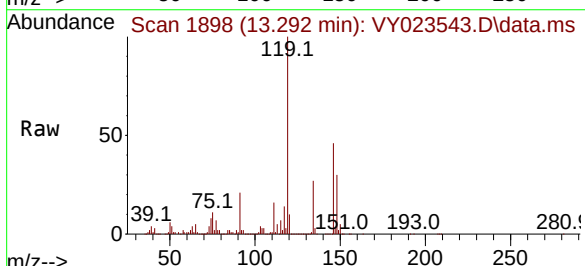
Tgt Ion:119 Resp: 1282400

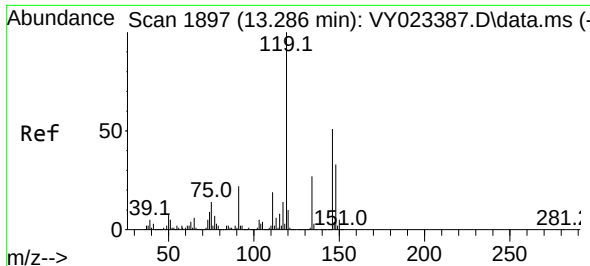
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 21.6 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 54.089 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 68874

Ion Ratio Lower Upper

146 100

111 37.0 18.7 56.1

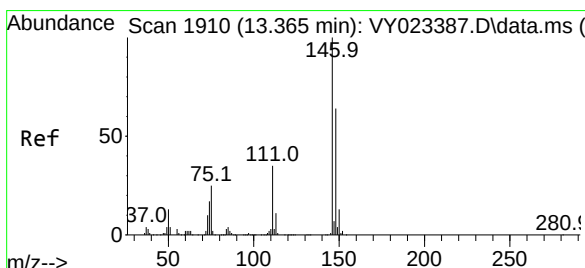
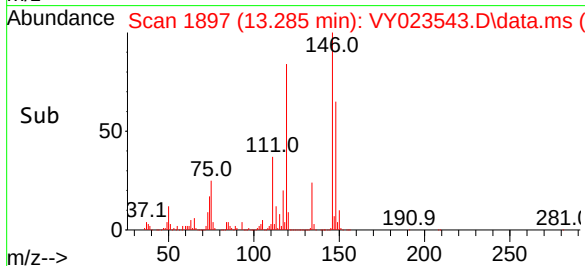
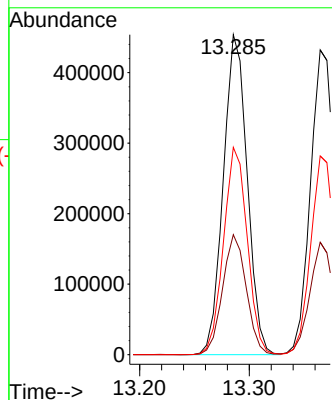
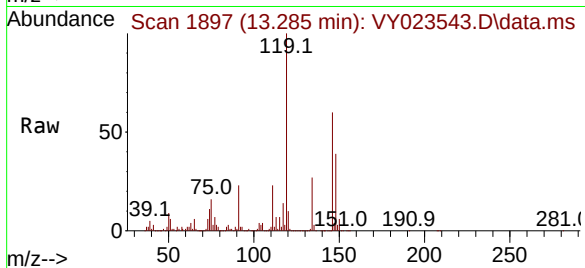
148 64.4 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#88

1,4-Dichlorobenzene

Concen: 53.362 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

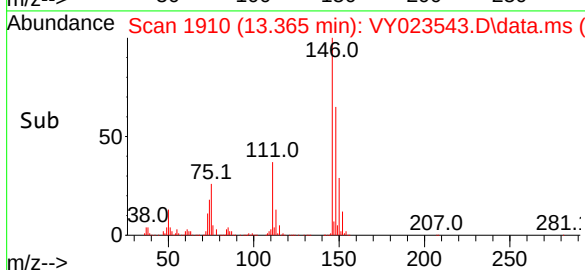
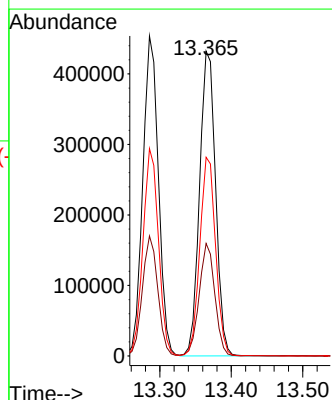
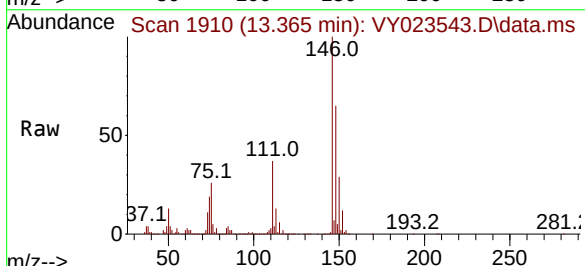
Tgt Ion:146 Resp: 671095

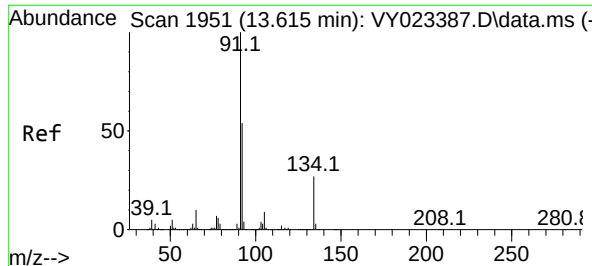
Ion Ratio Lower Upper

146 100

111 36.1 18.0 54.0

148 64.6 31.9 95.7





#89

n-Butylbenzene

Concen: 56.385 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 110118

Ion Ratio Lower Upper

91 100

92 53.7 27.0 80.8

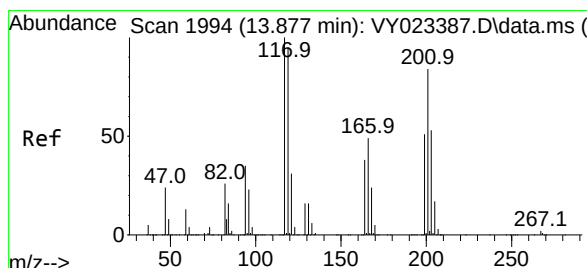
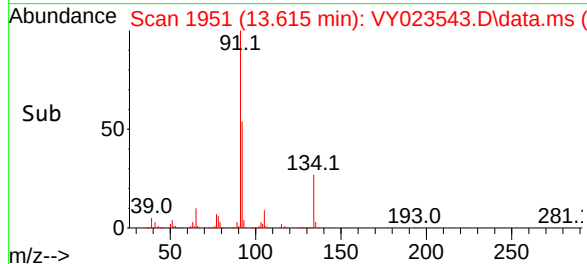
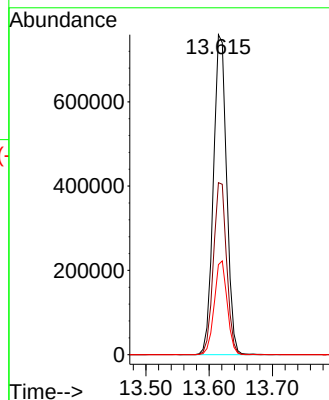
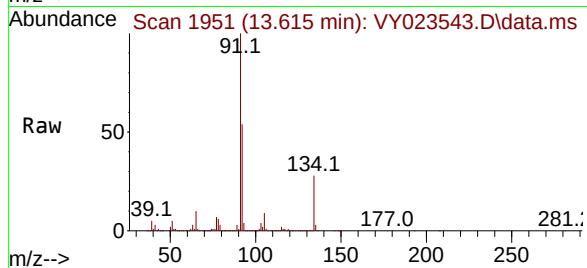
134 28.7 14.1 42.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#90

Hexachloroethane

Concen: 52.984 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VY023543.D

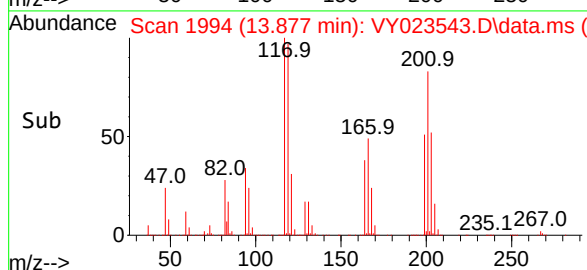
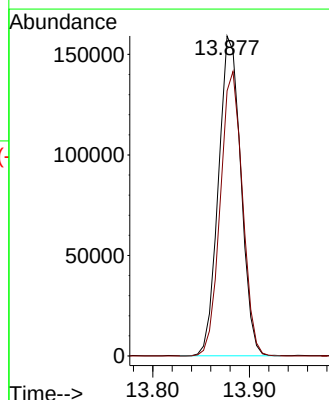
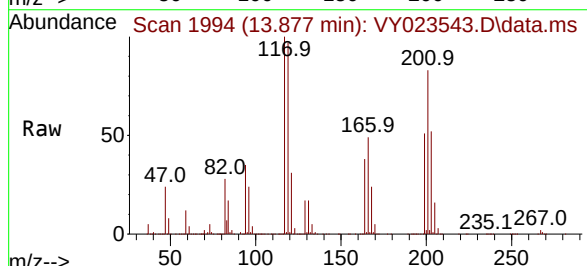
Acq: 22 Oct 2025 09:30

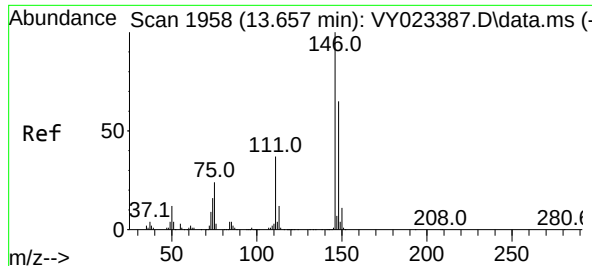
Tgt Ion:117 Resp: 255425

Ion Ratio Lower Upper

117 100

201 87.8 43.8 131.4





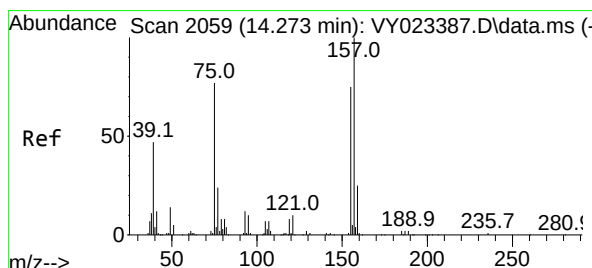
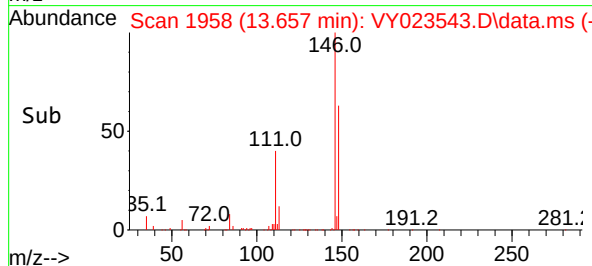
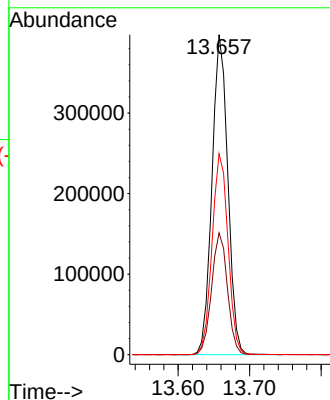
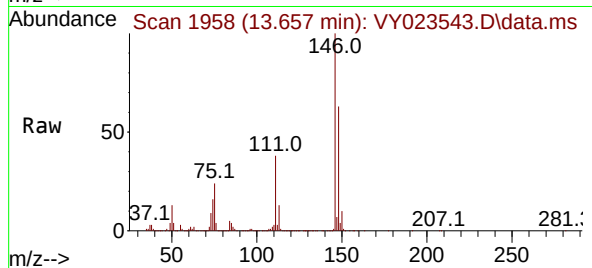
#91  
1,2-Dichlorobenzene  
Concen: 54.613 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. -0.000 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion:146 Resp: 609689  
Ion Ratio Lower Upper  
146 100  
111 38.0 19.0 57.0  
148 63.6 32.1 96.3

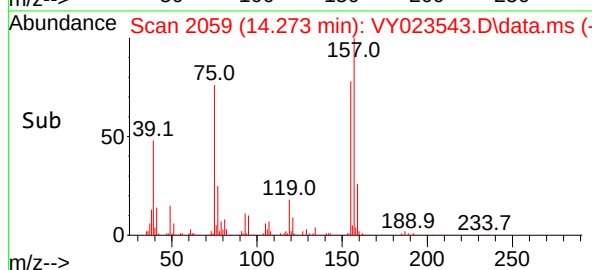
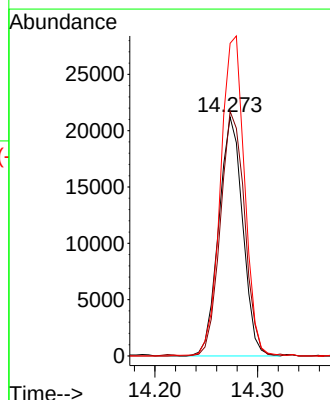
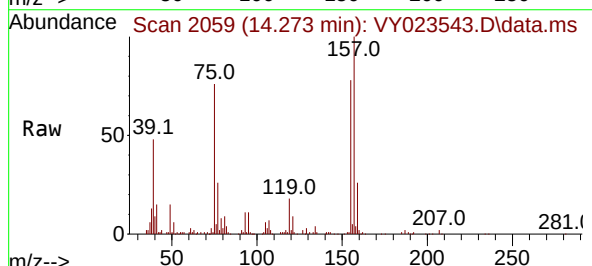
Manual Integrations  
APPROVED

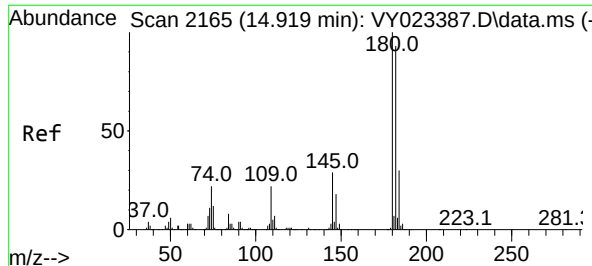
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 51.910 ug/l  
RT: 14.273 min Scan# 2059  
Delta R.T. -0.000 min  
Lab File: VY023543.D  
Acq: 22 Oct 2025 09:30

Tgt Ion: 75 Resp: 34265  
Ion Ratio Lower Upper  
75 100  
155 103.1 50.0 150.0  
157 134.1 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 54.674 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 38051

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.6

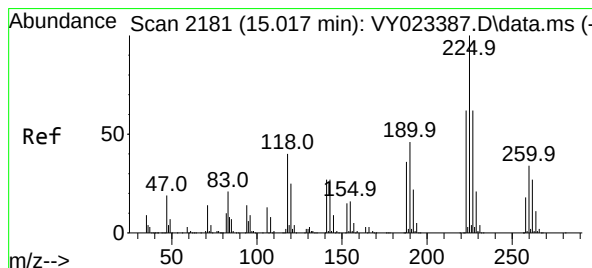
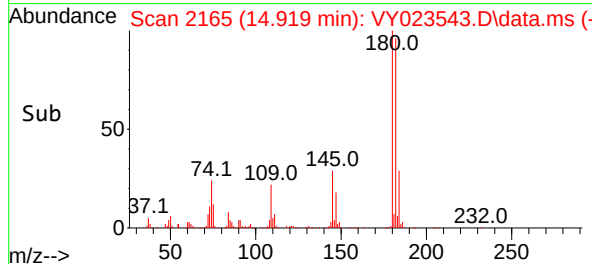
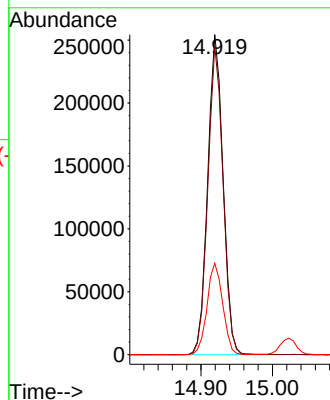
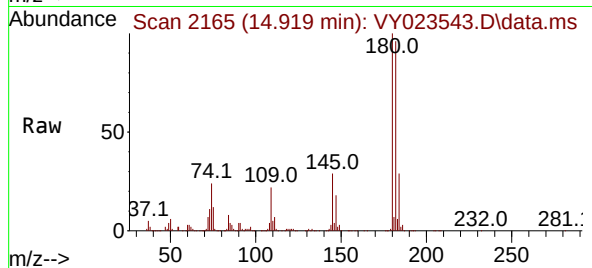
145 29.1 14.7 44.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#94

Hexachlorobutadiene

Concen: 53.717 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

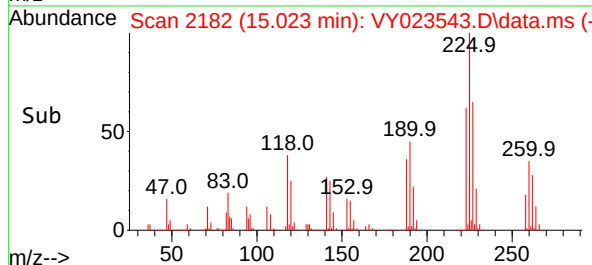
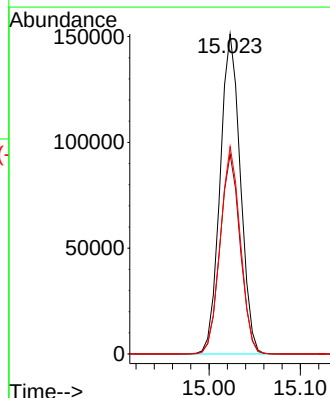
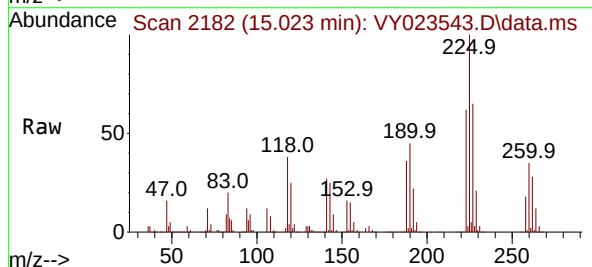
Tgt Ion:225 Resp: 233049

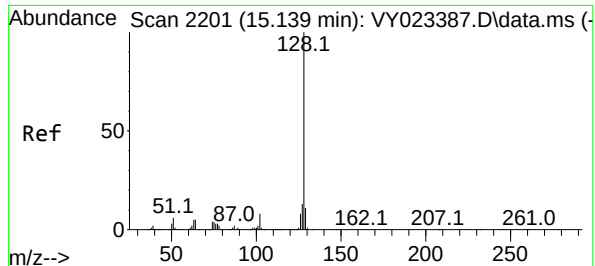
Ion Ratio Lower Upper

225 100

223 62.2 30.8 92.3

227 63.9 31.9 95.7





#95

Naphthalene

Concen: 57.452 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 636720

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

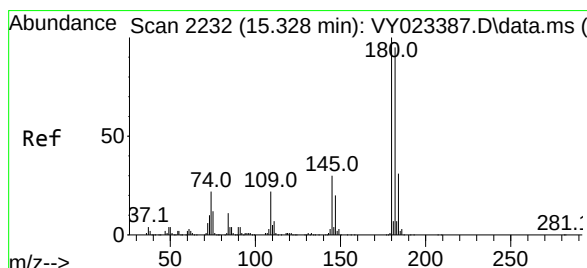
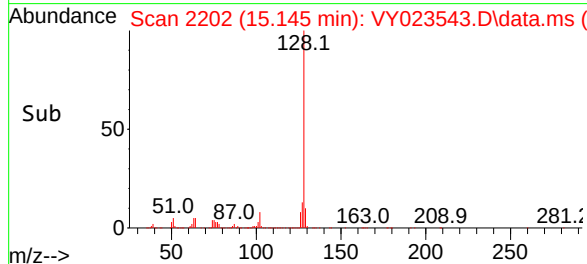
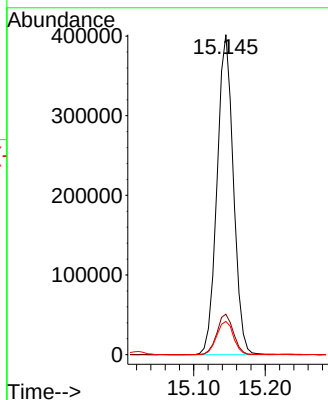
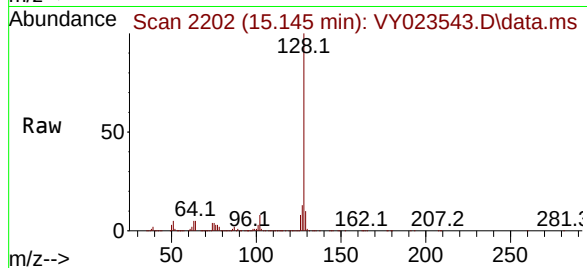
129 10.8 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#96

1,2,3-Trichlorobenzene

Concen: 54.237 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY023543.D

Acq: 22 Oct 2025 09:30

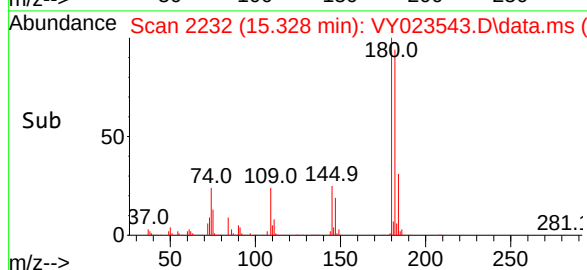
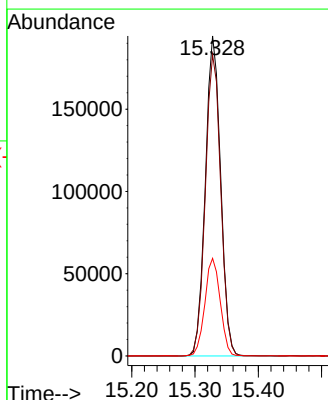
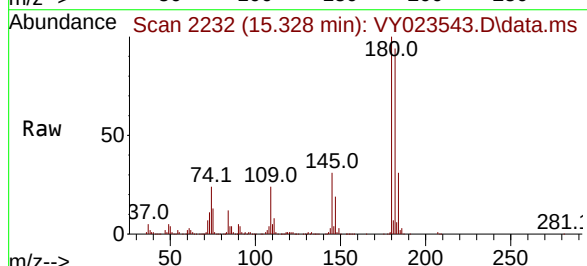
Tgt Ion:180 Resp: 326959

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.8

145 30.8 15.3 45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023543.D  
Acq On : 22 Oct 2025 09:30  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 24 02:25:18 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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     | 0.360 | 0.308 | 14.4  | 91    | 0.00     |
| 3 P   | Chloromethane               | 0.490 | 0.409 | 16.5  | 86    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.639 | 0.552 | 13.6# | 87    | 0.00     |
| 5 T   | Bromomethane                | 0.536 | 0.456 | 14.9  | 92    | 0.00     |
| 6 T   | Chloroethane                | 0.435 | 0.403 | 7.4   | 92    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.887 | 0.857 | 3.4   | 96    | 0.00     |
| 8 T   | Diethyl Ether               | 0.232 | 0.233 | -0.4  | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.460 | 0.469 | -2.0  | 101   | 0.00     |
| 10 T  | Methyl Iodide               | 0.512 | 0.612 | -19.5 | 108   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.031 | 0.031 | 0.0   | 118   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.446 | 0.456 | -2.2# | 101   | 0.00     |
| 13 T  | Acrolein                    | 0.044 | 0.014 | 68.2# | 31#   | 0.00     |
| 14 T  | Allyl chloride              | 0.544 | 0.522 | 4.0   | 94    | 0.00     |
| 15 T  | Acrylonitrile               | 0.089 | 0.089 | 0.0   | 103   | 0.00     |
| 16 T  | Acetone                     | 0.100 | 0.096 | 4.0   | 108   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.277 | 1.206 | 5.6   | 93    | 0.00     |
| 18 T  | Methyl Acetate              | 0.261 | 0.294 | -12.6 | 113   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.072 | 1.142 | -6.5  | 106   | 0.00     |
| 20 T  | Methylene Chloride          | 0.538 | 0.496 | 7.8   | 102   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.491 | 0.510 | -3.9  | 103   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.202 | 1.215 | -1.1  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 0.651 | 0.630 | 3.2   | 95    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.796 | 0.815 | -2.4  | 101   | 0.00     |
| 25 T  | 2-Butanone                  | 0.122 | 0.118 | 3.3   | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.731 | 0.768 | -5.1  | 103   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.567 | 0.611 | -7.8  | 106   | 0.00     |
| 28 T  | Bromochloromethane          | 0.297 | 0.257 | 13.5  | 91    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.069 | 0.066 | 4.3   | 99    | 0.00     |
| 30 C  | Chloroform                  | 0.875 | 0.928 | -6.1# | 105   | 0.00     |
| 31 T  | Cyclohexane                 | 0.696 | 0.650 | 6.6   | 96    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.795 | 0.839 | -5.5  | 103   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.418 | 0.381 | 8.9   | 92    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.307 | 0.307 | 0.0   | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.407 | 0.427 | -4.9  | 101   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.161 | 0.158 | 1.9   | 99    | 0.01     |
| 38 T  | Carbon Tetrachloride        | 0.493 | 0.522 | -5.9  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.530 | 0.561 | -5.8  | 100   | 0.00     |
| 40 TM | Benzene                     | 1.288 | 1.371 | -6.4  | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.087 | 0.084 | 3.4   | 99    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.332 | 0.340 | -2.4  | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.321 | 0.322 | -0.3  | 100   | 0.00     |
| 44 TM | Trichloroethene             | 0.377 | 0.411 | -9.0  | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.285 | 0.303 | -6.3# | 104   | 0.00     |
| 46 T  | Dibromomethane              | 0.180 | 0.196 | -8.9  | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.453 | 0.487 | -7.5  | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.151 | 0.156 | -3.3  | 99    | 0.00     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023543.D  
Acq On : 22 Oct 2025 09:30  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 24 02:25:18 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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                 | 0.002 | 0.002 | 0.0    | 103   | 0.00     |
| 50 S  | Toluene-d8                  | 1.144 | 1.136 | 0.7    | 94    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.166 | 0.175 | -5.4   | 103   | 0.00     |
| 52 CM | Toluene                     | 0.836 | 0.926 | -10.8# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.394 | 0.433 | -9.9   | 106   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.465 | 0.509 | -9.5   | 105   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.242 | 0.264 | -9.1   | 107   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.279 | 0.324 | -16.1  | 109   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.383 | 0.419 | -9.4   | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.125 | 0.142 | -13.6  | 104   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.119 | 0.129 | -8.4   | 108   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.339 | 0.377 | -11.2  | 108   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.231 | 0.255 | -10.4  | 107   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.378 | 0.382 | -1.1   | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 96    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.516 | 0.580 | -12.4  | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 1.087 | 1.168 | -7.5   | 107   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.388 | 0.421 | -8.5   | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.760 | 1.922 | -9.2#  | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.706 | 0.784 | -11.0  | 105   | 0.00     |
| 69 T  | o-Xylene                    | 0.662 | 0.739 | -11.6  | 106   | 0.00     |
| 70 T  | Styrene                     | 1.089 | 1.228 | -12.8  | 106   | 0.00     |
| 71 P  | Bromoform                   | 0.240 | 0.264 | -10.0  | 110   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.295 | 3.699 | -12.3  | 106   | 0.00     |
| 74 T  | N-amyl acetate              | 0.592 | 0.607 | -2.5   | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.539 | 0.562 | -4.3   | 107   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.441 | 0.443 | -0.5   | 97    | 0.00     |
| 77 T  | Bromobenzene                | 0.876 | 0.952 | -8.7   | 107   | 0.00     |
| 78 T  | n-propylbenzene             | 3.813 | 4.280 | -12.2  | 105   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.233 | 2.440 | -9.3   | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.663 | 3.010 | -13.0  | 106   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.180 | 0.200 | -11.1  | 113   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.300 | 2.512 | -9.2   | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.458 | 2.779 | -13.1  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.657 | 2.997 | -12.8  | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.527 | 3.985 | -13.0  | 106   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.003 | 3.436 | -14.4  | 106   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.706 | 1.845 | -8.1   | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.685 | 1.798 | -6.7   | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.616 | 2.950 | -12.8  | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 0.646 | 0.684 | -5.9   | 104   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.496 | 1.634 | -9.2   | 108   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.088 | 0.092 | -4.5   | 105   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.932 | 1.020 | -9.4   | 106   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.581 | 0.624 | -7.4   | 103   | 0.00     |
| 95 T  | Naphthalene                 | 1.485 | 1.706 | -14.9  | 111   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023543.D  
Acq On : 22 Oct 2025 09:30  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 24 02:25:18 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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 | 0.808 | 0.876 | -8.4 | 105   | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023543.D  
Acq On : 22 Oct 2025 09:30  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 24 02:25:18 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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  | 42.840  | 14.3  | 91    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.760  | 16.5  | 86    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 43.199  | 13.6# | 87    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.551  | 14.9  | 92    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.306  | 7.4   | 92    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.307  | 3.4   | 96    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.281  | -0.6  | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.922  | -1.8  | 101   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 59.772  | -19.5 | 108   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 250.315 | -0.1  | 118   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.086  | -2.2# | 101   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 79.353  | 68.3# | 31    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.025  | 4.0   | 94    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 251.312 | -0.5  | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 240.345 | 3.9   | 108   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.232  | 5.5   | 93    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 56.225  | -12.5 | 113   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.251  | -6.5  | 106   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.039  | 7.9   | 102   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.921  | -3.8  | 103   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.537  | -1.1  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 242.046 | 3.2   | 95    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.156  | -2.3  | 101   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 242.629 | 2.9   | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 52.555  | -5.1  | 103   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.843  | -7.7  | 106   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.243  | 13.5  | 91    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 240.938 | 3.6   | 99    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.000  | -6.0# | 105   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.762  | 6.5   | 96    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.741  | -5.5  | 103   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.615  | 8.8   | 92    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 94    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.924  | 0.2   | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.436  | -4.9  | 101   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.956  | 2.1   | 99    | 0.01     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.970  | -5.9  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.949  | -5.9  | 100   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.219  | -6.4  | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.413  | 3.2   | 99    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.247  | -2.5  | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.092  | -0.2  | 100   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.528  | -9.1  | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.216  | -6.4# | 104   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 54.359  | -8.7  | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.731  | -7.5  | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.729  | -3.5  | 99    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023543.D  
Acq On : 22 Oct 2025 09:30  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 24 02:25:18 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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 | 1042.410 | -4.2   | 103   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.624   | 0.8    | 94    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 263.542  | -5.4   | 103   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 55.380   | -10.8# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.901   | -9.8   | 106   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.701   | -9.4   | 105   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.478   | -9.0   | 107   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 57.967   | -15.9  | 109   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.594   | -9.2   | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 284.845  | -13.9  | 104   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 271.019  | -8.4   | 108   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.647   | -11.3  | 108   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 55.233   | -10.5  | 107   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.517   | -1.0   | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 96    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 56.127   | -12.3  | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.721   | -7.4   | 107   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.255   | -8.5   | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.584   | -9.2#  | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 110.980  | -11.0  | 105   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.814   | -11.6  | 106   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.380   | -12.8  | 106   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.947   | -9.9   | 110   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.129   | -12.3  | 106   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 51.252   | -2.5   | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.112   | -4.2   | 107   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.178   | -0.4   | 97    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.338   | -8.7   | 107   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 56.123   | -12.2  | 105   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 54.637   | -9.3   | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.518   | -13.0  | 106   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 55.547   | -11.1  | 113   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 54.609   | -9.2   | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 56.518   | -13.0  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 56.397   | -12.8  | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.506   | -13.0  | 106   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 57.215   | -14.4  | 106   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.089   | -8.2   | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 53.362   | -6.7   | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.385   | -12.8  | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.984   | -6.0   | 104   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.613   | -9.2   | 108   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.910   | -3.8   | 105   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.674   | -9.3   | 106   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.717   | -7.4   | 103   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 57.452   | -14.9  | 111   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023543.D  
Acq On : 22 Oct 2025 09:30  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 24 02:25:18 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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 | 54.237 | -8.5 | 105   | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6



# QC SAMPLE DATA

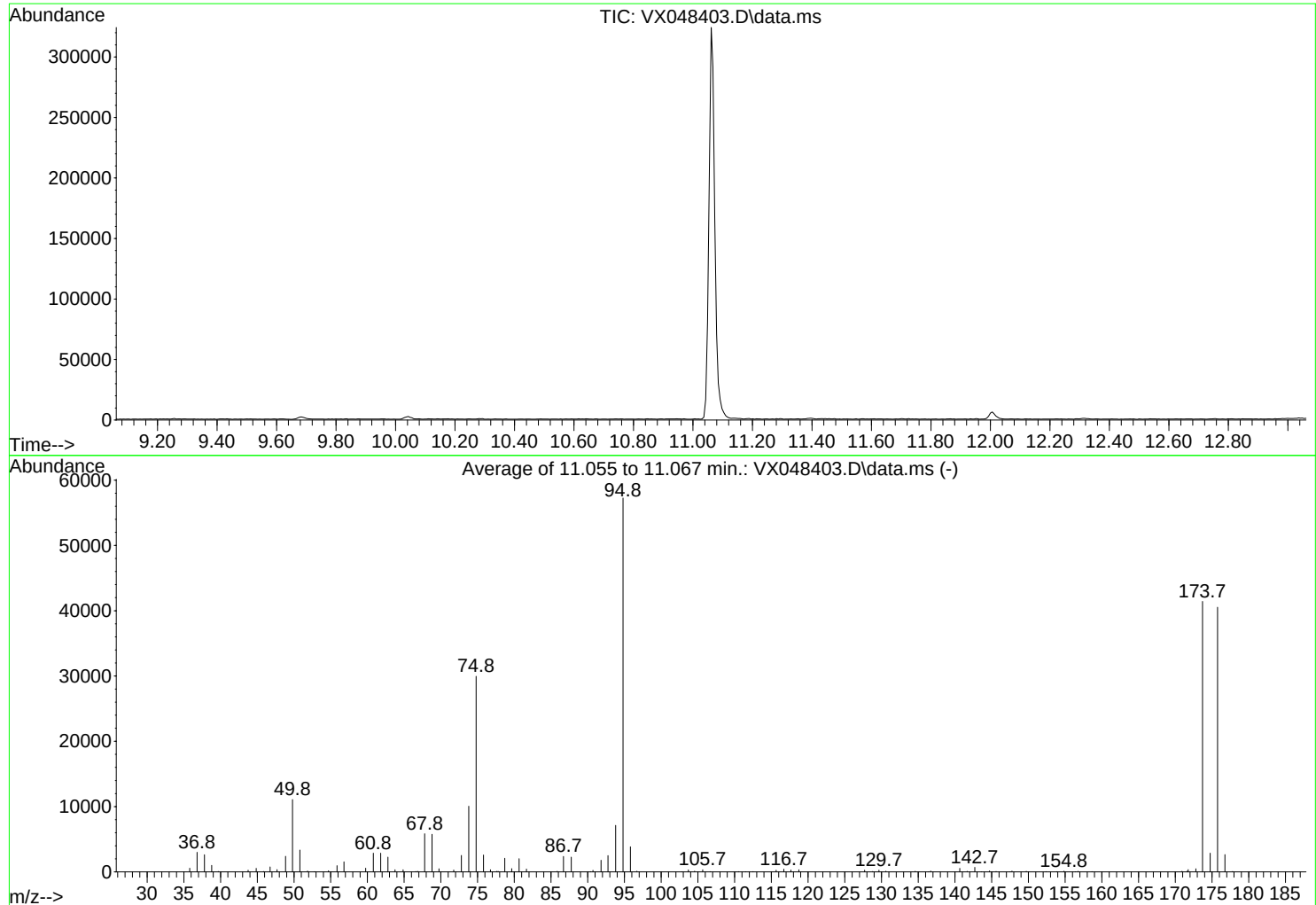
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048403.D  
Acq On : 29 Oct 2025 08:39  
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\82X102925W.M  
Title : SW846 8260  
Last Update : Thu Oct 30 02:37:17 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

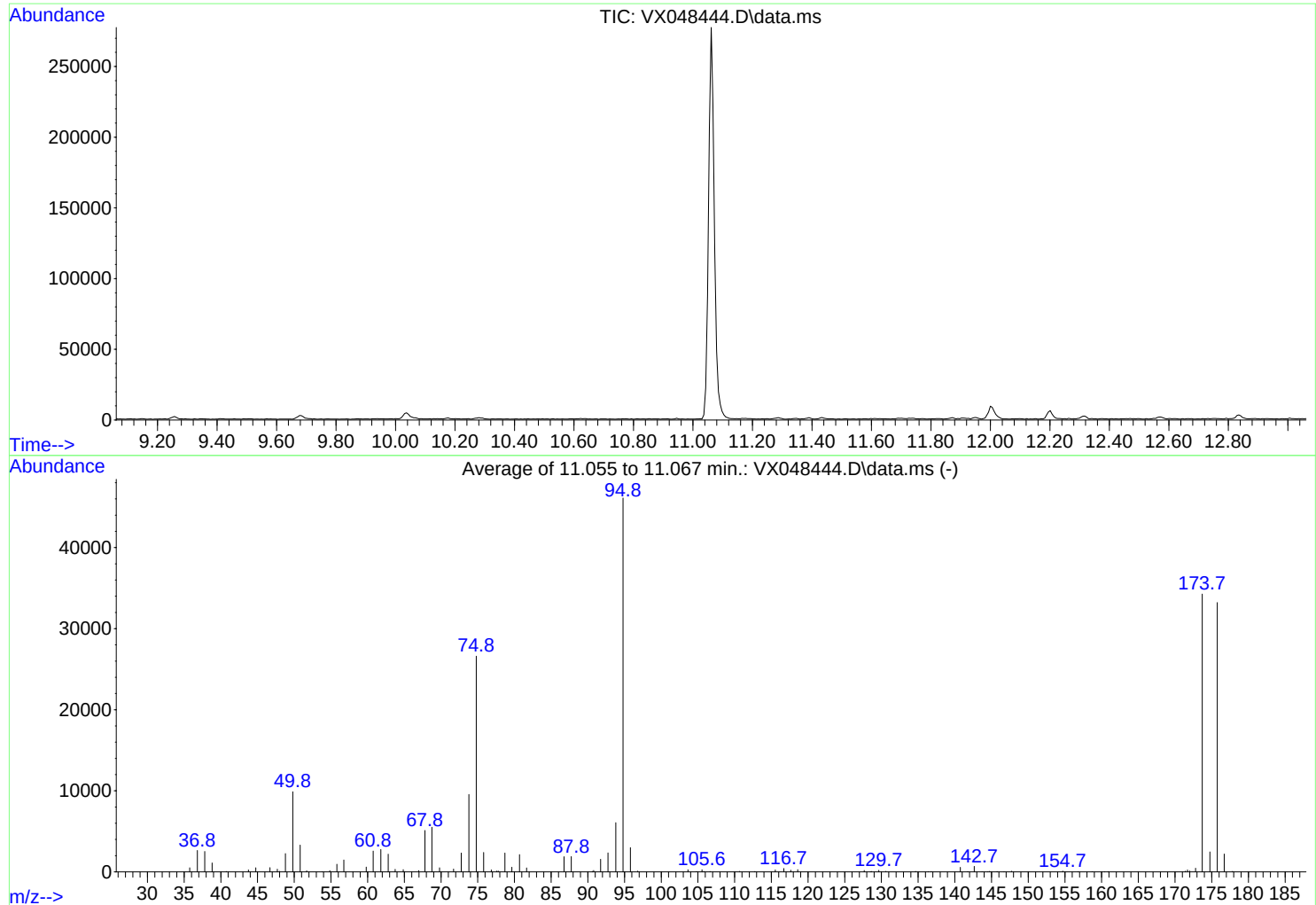
| Target | Rel. to | Lower  | Upper  | Rel.  | Raw   | Result    |
|--------|---------|--------|--------|-------|-------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn   | Pass/Fail |
| 50     | 95      | 15     | 40     | 19.4  | 11086 | PASS      |
| 75     | 95      | 30     | 60     | 52.3  | 29963 | PASS      |
| 95     | 95      | 100    | 100    | 100.0 | 57264 | PASS      |
| 96     | 95      | 5      | 9      | 6.7   | 3850  | PASS      |
| 173    | 174     | 0.00   | 2      | 1.2   | 488   | PASS      |
| 174    | 95      | 50     | 100    | 72.3  | 41416 | PASS      |
| 175    | 174     | 5      | 9      | 6.9   | 2874  | PASS      |
| 176    | 174     | 95     | 101    | 97.9  | 40528 | PASS      |
| 177    | 176     | 5      | 9      | 6.5   | 2647  | PASS      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048444.D  
Acq On : 03 Nov 2025 08:20  
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\82X102925W.M  
Title : SW846 8260  
Last Update : Thu Oct 30 02:37:17 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

| Target | Rel. to | Lower  | Upper  | Rel.  | Raw   | Result    |
|--------|---------|--------|--------|-------|-------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn   | Pass/Fail |
| 50     | 95      | 15     | 40     | 21.4  | 9885  | PASS      |
| 75     | 95      | 30     | 60     | 57.7  | 26600 | PASS      |
| 95     | 95      | 100    | 100    | 100.0 | 46112 | PASS      |
| 96     | 95      | 5      | 9      | 6.5   | 2992  | PASS      |
| 173    | 174     | 0.00   | 2      | 1.3   | 456   | PASS      |
| 174    | 95      | 50     | 100    | 74.3  | 34275 | PASS      |
| 175    | 174     | 5      | 9      | 7.2   | 2472  | PASS      |
| 176    | 174     | 95     | 101    | 96.9  | 33221 | PASS      |
| 177    | 176     | 5      | 9      | 6.6   | 2196  | PASS      |

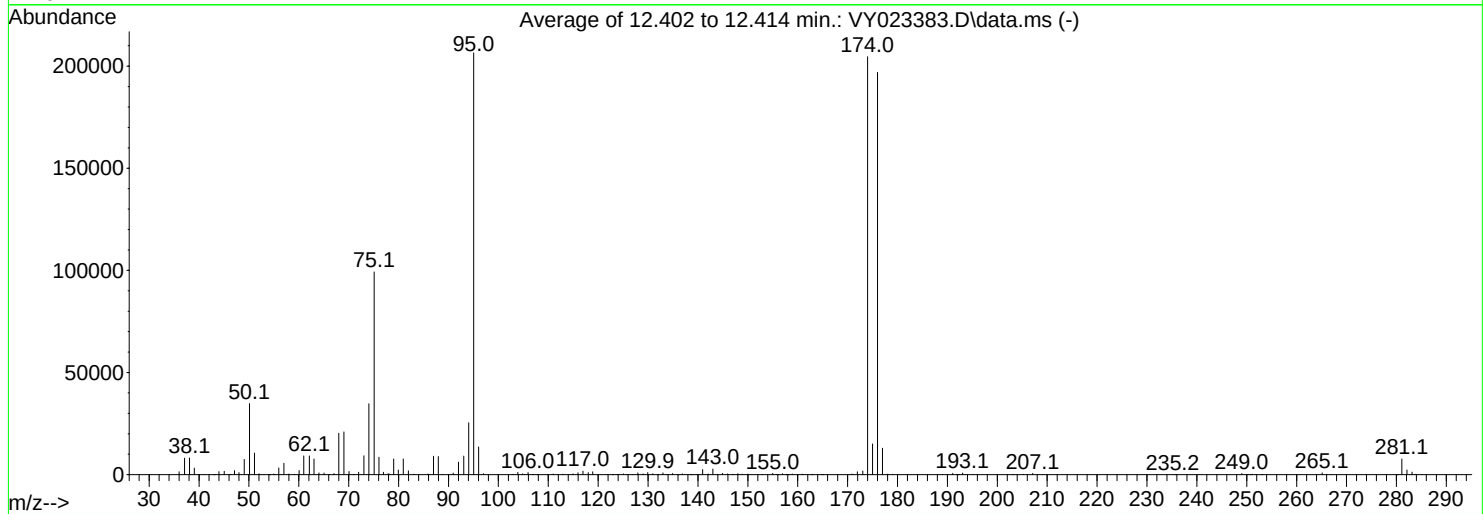
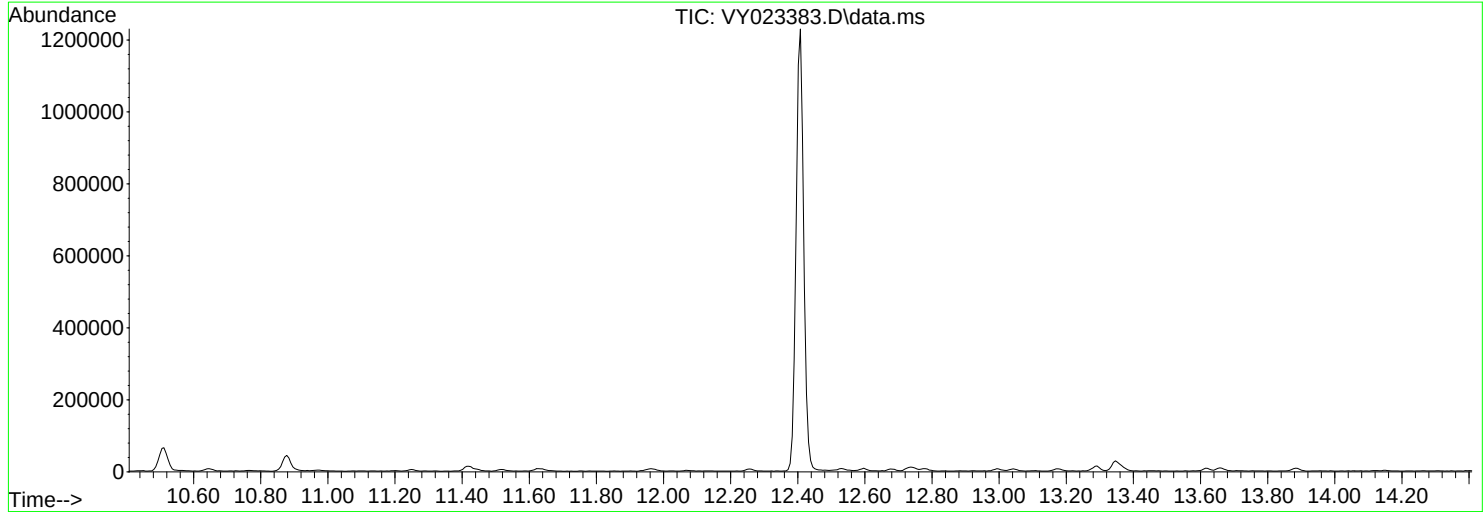


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023383.D  
Acq On : 07 Oct 2025 08:43  
Operator : SY/MD  
Sample : BFB  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Title : SW846 8260  
Last Update : Wed Oct 08 05:12:50 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

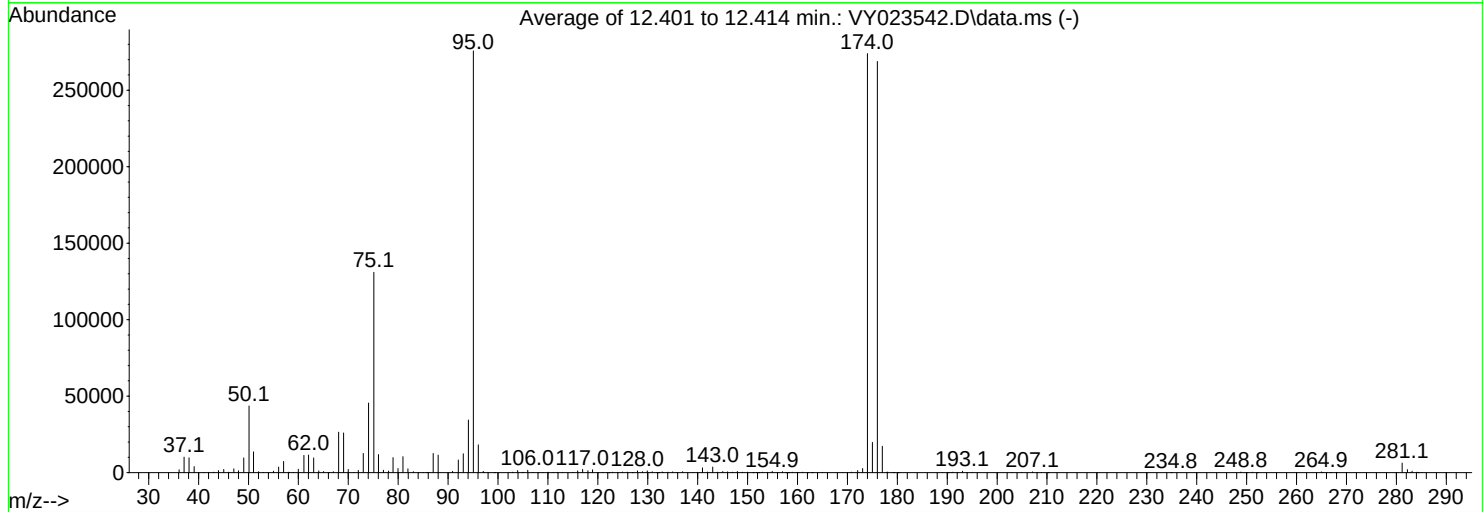
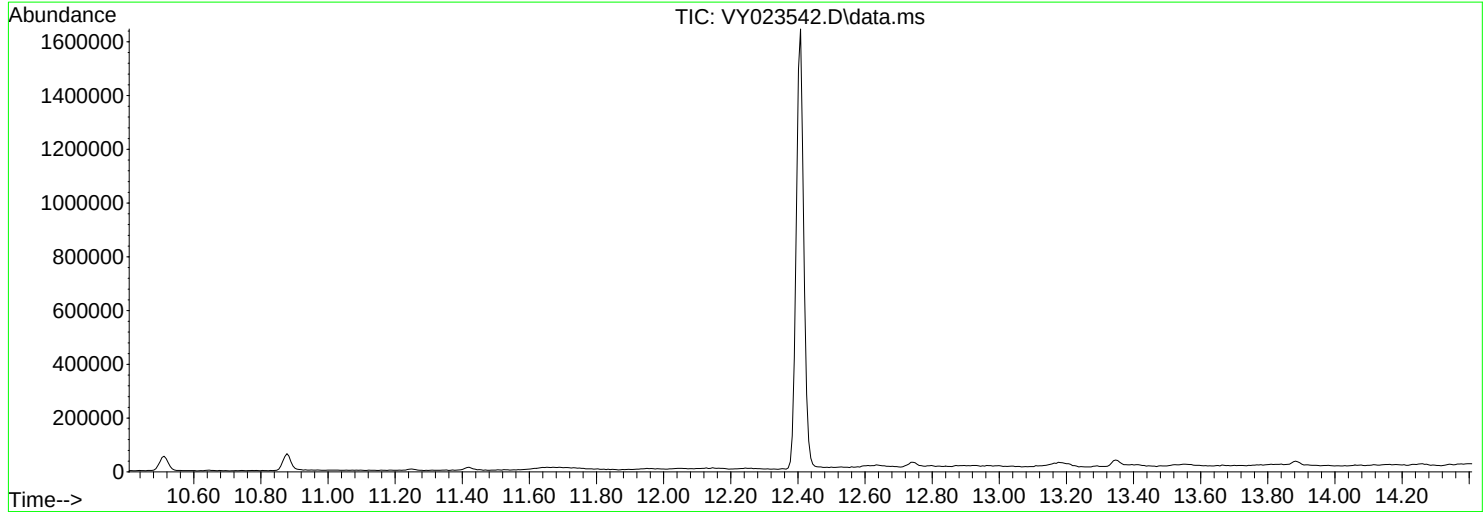
| Target | Rel. to | Lower  | Upper  | Rel.  | Raw    | Result    |
|--------|---------|--------|--------|-------|--------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn    | Pass/Fail |
| 50     | 95      | 15     | 40     | 16.9  | 34816  | PASS      |
| 75     | 95      | 30     | 60     | 48.1  | 99264  | PASS      |
| 95     | 95      | 100    | 100    | 100.0 | 206507 | PASS      |
| 96     | 95      | 5      | 9      | 6.6   | 13540  | PASS      |
| 173    | 174     | 0.00   | 2      | 0.9   | 1817   | PASS      |
| 174    | 95      | 50     | 100    | 99.1  | 204629 | PASS      |
| 175    | 174     | 5      | 9      | 7.4   | 15059  | PASS      |
| 176    | 174     | 95     | 101    | 96.2  | 196949 | PASS      |
| 177    | 176     | 5      | 9      | 6.6   | 12912  | PASS      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023542.D  
Acq On : 22 Oct 2025 09:00  
Operator : SY/MD  
Sample : BFB  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Title : SW846 8260  
Last Update : Wed Oct 08 05:12:50 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

| Target | Rel. to | Lower  | Upper  | Rel.  | Raw    | Result    |
|--------|---------|--------|--------|-------|--------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn    | Pass/Fail |
| 50     | 95      | 15     | 40     | 15.8  | 43632  | PASS      |
| 75     | 95      | 30     | 60     | 47.5  | 130976 | PASS      |
| 95     | 95      | 100    | 100    | 100.0 | 275756 | PASS      |
| 96     | 95      | 5      | 9      | 6.6   | 18234  | PASS      |
| 173    | 174     | 0.00   | 2      | 1.0   | 2756   | PASS      |
| 174    | 95      | 50     | 100    | 99.3  | 273941 | PASS      |
| 175    | 174     | 5      | 9      | 7.2   | 19793  | PASS      |
| 176    | 174     | 95     | 101    | 98.2  | 268885 | PASS      |
| 177    | 176     | 5      | 9      | 6.4   | 17309  | PASS      |

**Report of Analysis**

Client: AECOM  
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
 Client Sample ID: VX1103WBL01  
 Lab Sample ID: VX1103WBL01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3422  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 1.00  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 74-87-3        | Chloromethane                  | 1.00  | U    | 1  | 0.32  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-01-4        | Vinyl Chloride                 | 1.00  | U    | 1  | 0.26  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 74-83-9        | Bromomethane                   | 5.00  | U    | 1  | 1.40  | 5.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-00-3        | Chloroethane                   | 1.00  | U    | 1  | 0.47  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-69-4        | Trichlorofluoromethane         | 1.00  | U    | 1  | 0.33  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 1.00  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-35-4        | 1,1-Dichloroethene             | 1.00  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 67-64-1        | Acetone                        | 5.00  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-15-0        | Carbon Disulfide               | 1.00  | U    | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 1634-04-4      | Methyl tert-butyl Ether        | 1.00  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 79-20-9        | Methyl Acetate                 | 1.00  | U    | 1  | 0.27  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-09-2        | Methylene Chloride             | 1.00  | U    | 1  | 0.28  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.00  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-34-3        | 1,1-Dichloroethane             | 1.00  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 110-82-7       | Cyclohexane                    | 5.00  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 78-93-3        | 2-Butanone                     | 5.00  | U    | 1  | 0.98  | 5.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 56-23-5        | Carbon Tetrachloride           | 1.00  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 156-59-2       | cis-1,2-Dichloroethene         | 1.00  | U    | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 74-97-5        | Bromochloromethane             | 1.00  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 67-66-3        | Chloroform                     | 1.00  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 71-55-6        | 1,1,1-Trichloroethane          | 1.00  | U    | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 108-87-2       | Methylcyclohexane              | 1.00  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 71-43-2        | Benzene                        | 1.00  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 107-06-2       | 1,2-Dichloroethane             | 1.00  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 79-01-6        | Trichloroethene                | 1.00  | U    | 1  | 0.090 | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 78-87-5        | 1,2-Dichloropropane            | 1.00  | U    | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-27-4        | Bromodichloromethane           | 1.00  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 5.00  | U    | 1  | 0.68  | 5.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 108-88-3       | Toluene                        | 1.00  | U    | 1  | 0.14  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 10061-02-6     | t-1,3-Dichloropropene          | 1.00  | U    | 1  | 0.17  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 1.00  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 79-00-5        | 1,1,2-Trichloroethane          | 1.00  | U    | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 591-78-6       | 2-Hexanone                     | 5.00  | U    | 1  | 0.89  | 5.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 124-48-1       | Dibromochloromethane           | 1.00  | U    | 1  | 0.18  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 106-93-4       | 1,2-Dibromoethane              | 1.00  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 127-18-4       | Tetrachloroethene              | 1.00  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 108-90-7       | Chlorobenzene                  | 1.00  | U    | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 100-41-4       | Ethyl Benzene                  | 1.00  | U    | 1  | 0.13  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 179601-23-1    | m/p-Xylenes                    | 2.00  | U    | 1  | 0.24  | 2.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 95-47-6        | o-Xylene                       | 1.00  | U    | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 100-42-5       | Styrene                        | 1.00  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-25-2        | Bromoform                      | 1.00  | U    | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |

### Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: |               |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  |               |
| Client Sample ID:  | VX1103WBL01                                      | SDG No.:        | Q3422         |
| Lab Sample ID:     | VX1103WBL01                                      | Matrix:         | Water         |
| Analytical Method: | 8260D                                            | % Solid:        | 0             |
| Sample Wt/Vol:     | 5 mL                                             | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 1.00              | U    | 1  | 0.12     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 1.00              | U    | 1  | 0.26     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 1.00              | U    | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 1.00              | U    | 1  | 0.19     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 1.00              | U    | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 1.00              | U    | 1  | 0.53     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 1.00              | U    | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 1.00              | U    | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 52.7              |      |    | 74 - 125 | 105%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 59.8              |      |    | 75 - 124 | 120%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 45.5              |      |    | 86 - 113 | 91%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 48.3              |      |    | 77 - 121 | 97%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 160000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 268000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 290000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 117000            |      |    |          |            |         |                |          |

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\VX110325\  
Data File : VX048447.D  
Acq On : 03 Nov 2025 11:25  
Operator : JC/MD  
Sample : VX1103WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Quant Time: Nov 04 00:08:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.532  | 168  | 160467   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.739  | 114  | 268071   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 290044   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 117306   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.934  | 65    | 121597   | 52.690   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 105.380% |
| 35) Dibromofluoromethane    | 5.367  | 113   | 91442    | 59.830   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 119.660% |
| 50) Toluene-d8              | 8.629  | 98    | 306638   | 45.451   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 90.900%# |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 122008   | 48.343   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 96.680%  |

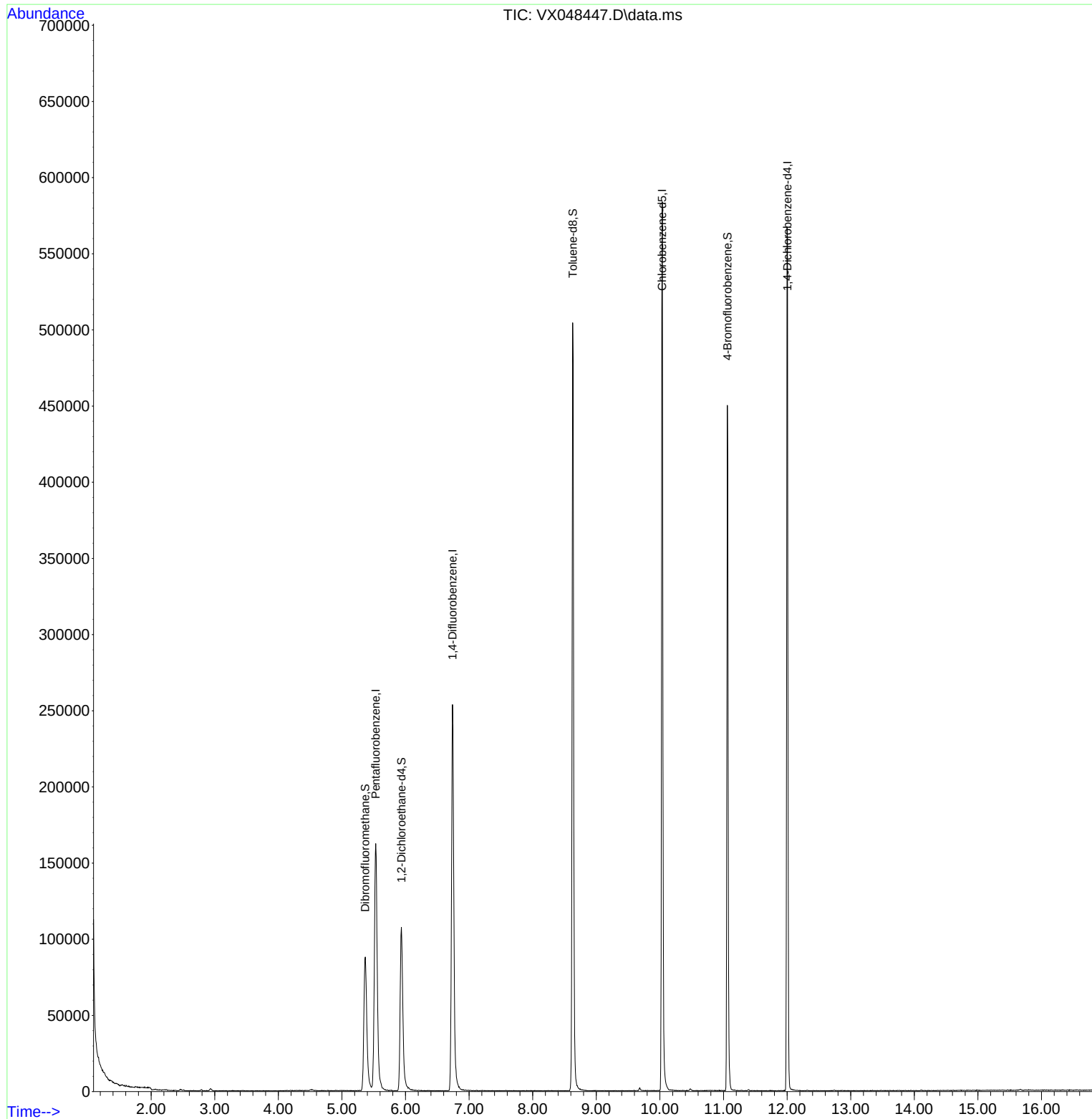
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

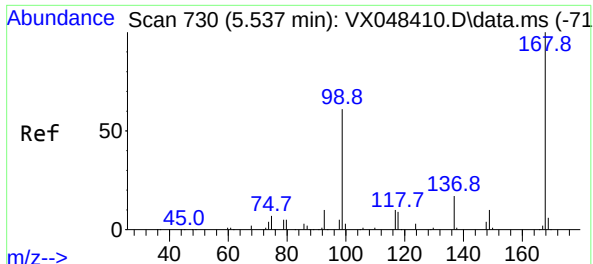
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048447.D  
Acq On : 03 Nov 2025 11:25  
Operator : JC/MD  
Sample : VX1103WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Quant Time: Nov 04 00:08:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

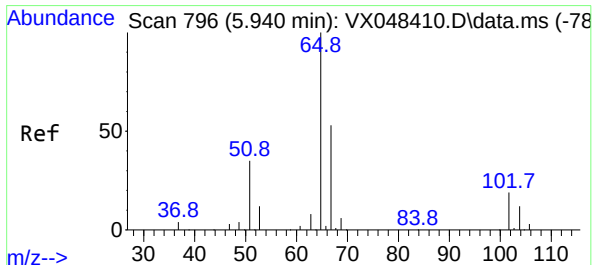
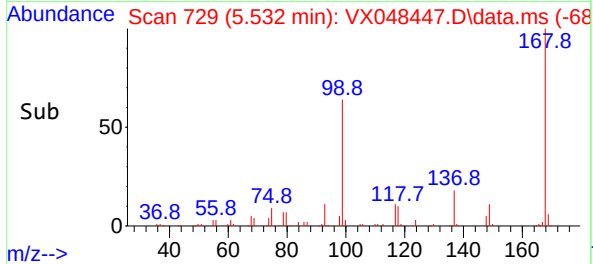
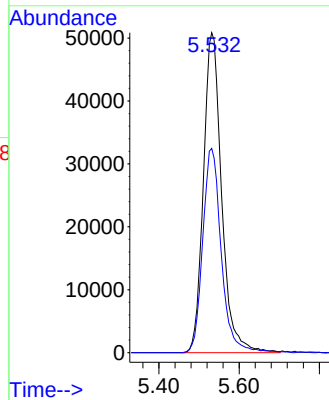
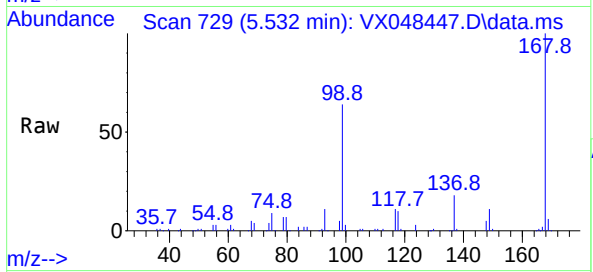




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.532 min Scan# 71  
Delta R.T. -0.005 min  
Lab File: VX048447.D  
Acq: 03 Nov 2025 11:25

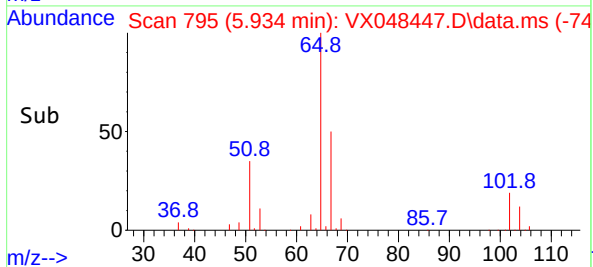
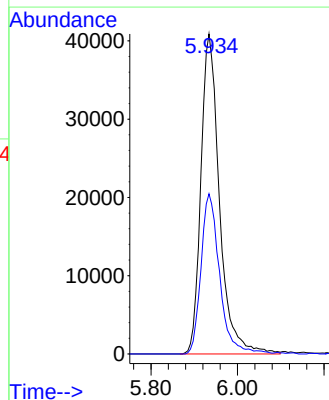
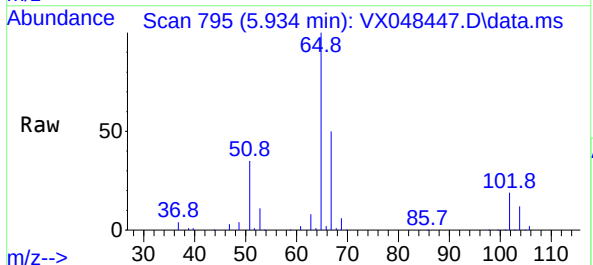
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Tgt Ion:168 Resp: 160467  
Ion Ratio Lower Upper  
168 100  
99 63.9 46.4 69.6

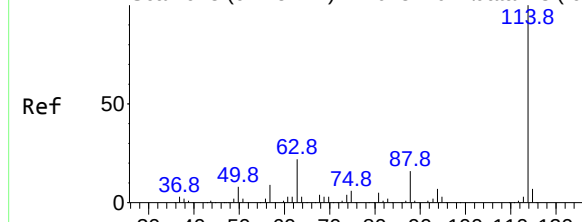


#33  
1,2-Dichloroethane-d4  
Concen: 52.690 ug/l  
RT: 5.934 min Scan# 795  
Delta R.T. -0.006 min  
Lab File: VX048447.D  
Acq: 03 Nov 2025 11:25

Tgt Ion: 65 Resp: 121597  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 105.0

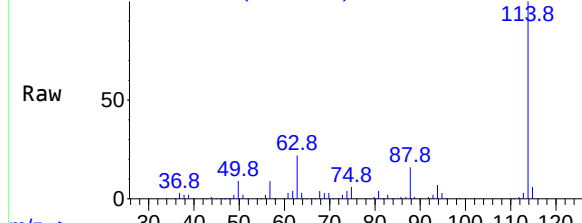


Abundance Scan 928 (6.745 min): VX048410.D\data.ms (-91



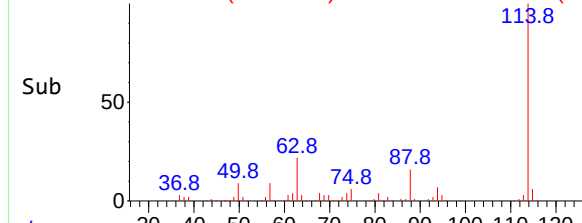
m/z--&gt;

Abundance Scan 927 (6.739 min): VX048447.D\data.ms



m/z--&gt;

Abundance Scan 927 (6.739 min): VX048447.D\data.ms (-87



m/z--&gt;

#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX048447.D

Acq: 03 Nov 2025 11:25

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBL01

Tgt Ion:114 Resp: 268071

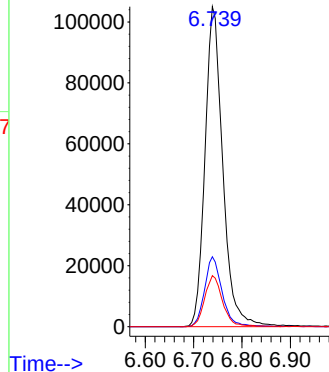
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

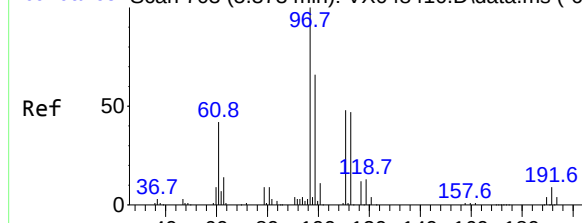
88 15.9 0.0 33.6

Abundance



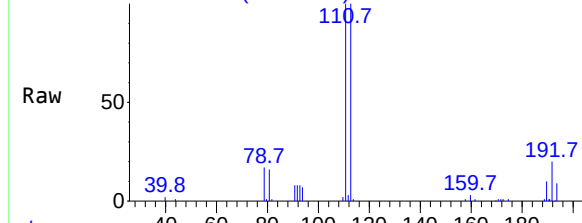
Time--&gt;

Abundance Scan 703 (5.373 min): VX048410.D\data.ms (-69



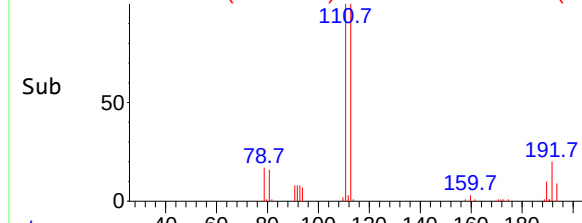
m/z--&gt;

Abundance Scan 702 (5.367 min): VX048447.D\data.ms



m/z--&gt;

Abundance Scan 702 (5.367 min): VX048447.D\data.ms (-65



m/z--&gt;

#35

Dibromofluoromethane

Concen: 59.830 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX048447.D

Acq: 03 Nov 2025 11:25

Tgt Ion:113 Resp: 91442

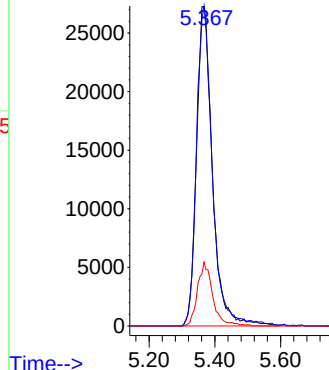
Ion Ratio Lower Upper

113 100

111 98.0 82.2 123.4

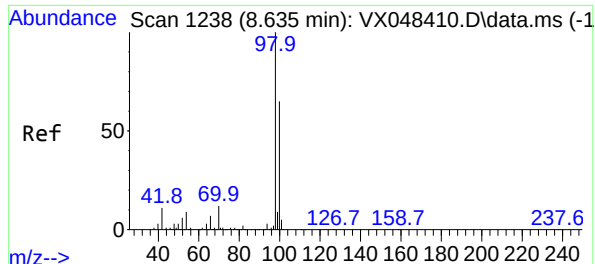
192 19.1 15.1 22.7

Abundance



Time--&gt;

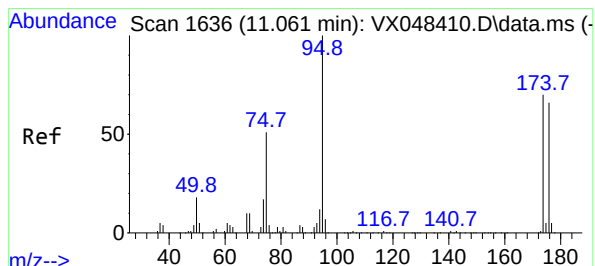
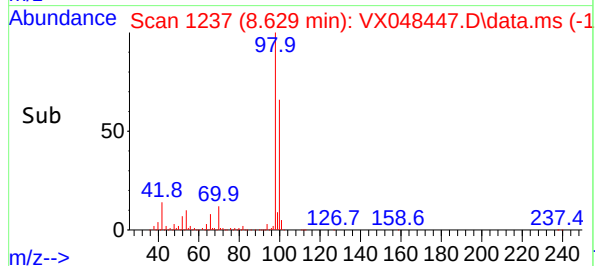
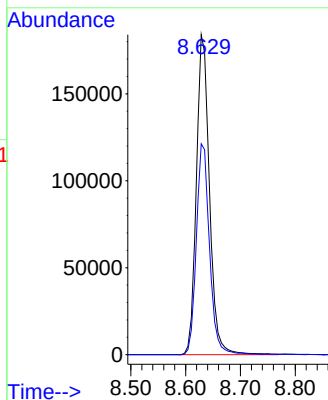
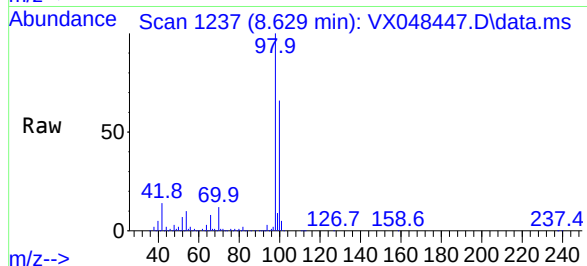




#50  
Toluene-d8  
Concen: 45.451 ug/l  
RT: 8.629 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX048447.D  
Acq: 03 Nov 2025 11:25

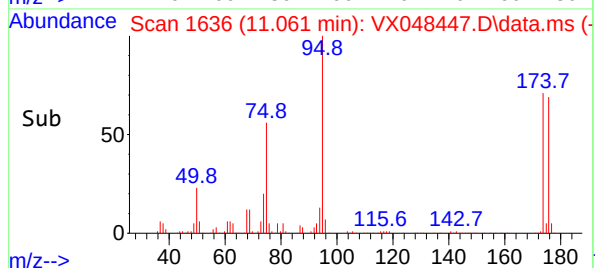
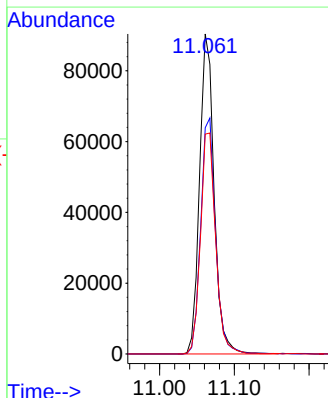
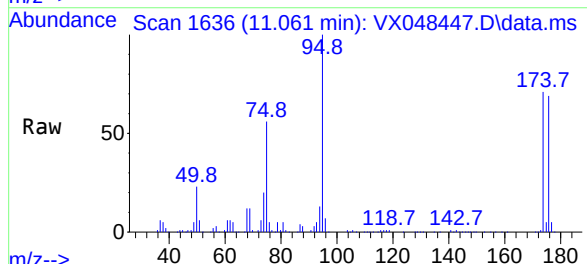
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Tgt Ion: 98 Resp: 306638  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.0 79.4

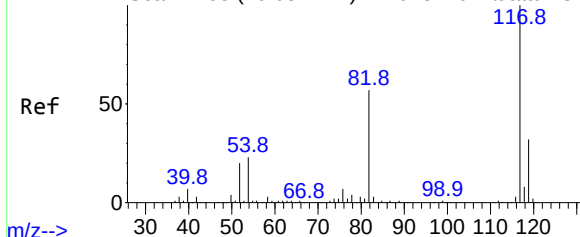


#62  
4-Bromofluorobenzene  
Concen: 48.343 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.000 min  
Lab File: VX048447.D  
Acq: 03 Nov 2025 11:25

Tgt Ion: 95 Resp: 122008  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 147.8  
176 72.4 0.0 142.8



Abundance Scan 1468 (10.037 min): VX048410.D\data.ms (-

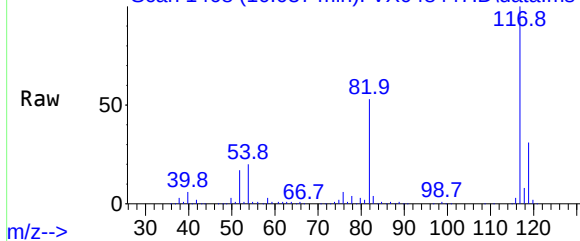


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. 0.000 min  
Lab File: VX048447.D  
Acq: 03 Nov 2025 11:25

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

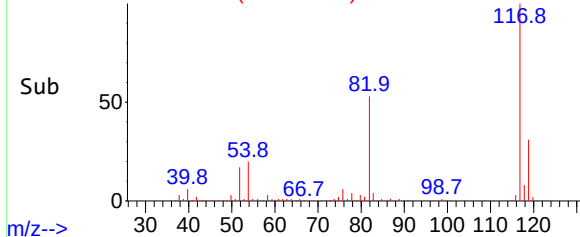
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.3  | 46.5  | 69.7  |
| 119     | 31.5  | 25.9  | 38.9  |

Abundance Scan 1468 (10.037 min): VX048447.D\data.ms (-

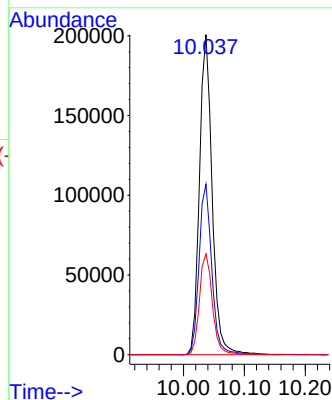


m/z--&gt;

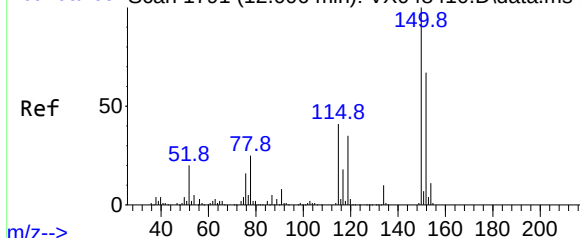
Abundance Scan 1468 (10.037 min): VX048447.D\data.ms (-



m/z--&gt;



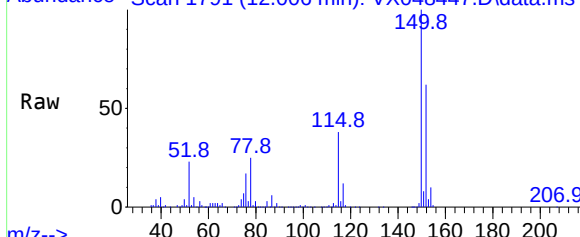
Abundance Scan 1791 (12.006 min): VX048410.D\data.ms (-



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VX048447.D  
Acq: 03 Nov 2025 11:25

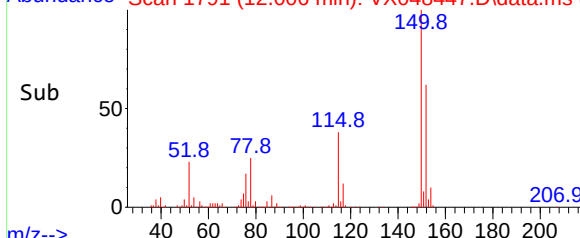
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 63.2  | 43.1  | 129.4 |
| 150     | 158.7 | 0.0   | 353.0 |

Abundance Scan 1791 (12.006 min): VX048447.D\data.ms (-

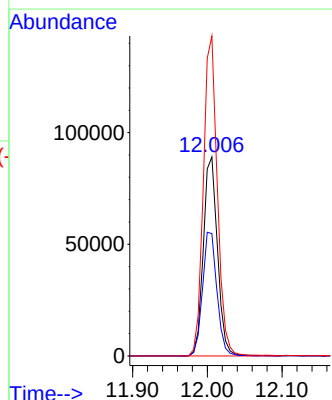


m/z--&gt;

Abundance Scan 1791 (12.006 min): VX048447.D\data.ms (-



m/z--&gt;



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048447.D  
Acq On : 03 Nov 2025 11:25  
Operator : JC/MD  
Sample : VX1103WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M

Title : SW846 8260

Signal : TIC: VX048447.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.367       | 691           | 702         | 718          | rBV3     | 87843          | 288324        | 33.67%          | 5.974%        |
| 2         | 5.532       | 718           | 729         | 747          | rVB      | 160829         | 496470        | 57.98%          | 10.286%       |
| 3         | 5.934       | 784           | 795         | 812          | rBV      | 107311         | 317669        | 37.10%          | 6.582%        |
| 4         | 6.739       | 914           | 927         | 943          | rBV      | 253654         | 646527        | 75.51%          | 13.395%       |
| 5         | 8.629       | 1228          | 1237        | 1256         | rBV      | 504266         | 856256        | 100.00%         | 17.741%       |
| 6         | 10.037      | 1462          | 1468        | 1488         | rBV      | 583531         | 855570        | 99.92%          | 17.726%       |
| 7         | 11.061      | 1631          | 1636        | 1650         | rBV      | 450089         | 609421        | 71.17%          | 12.627%       |
| 8         | 12.000      | 1785          | 1790        | 1801         | rBV      | 567060         | 756272        | 88.32%          | 15.669%       |

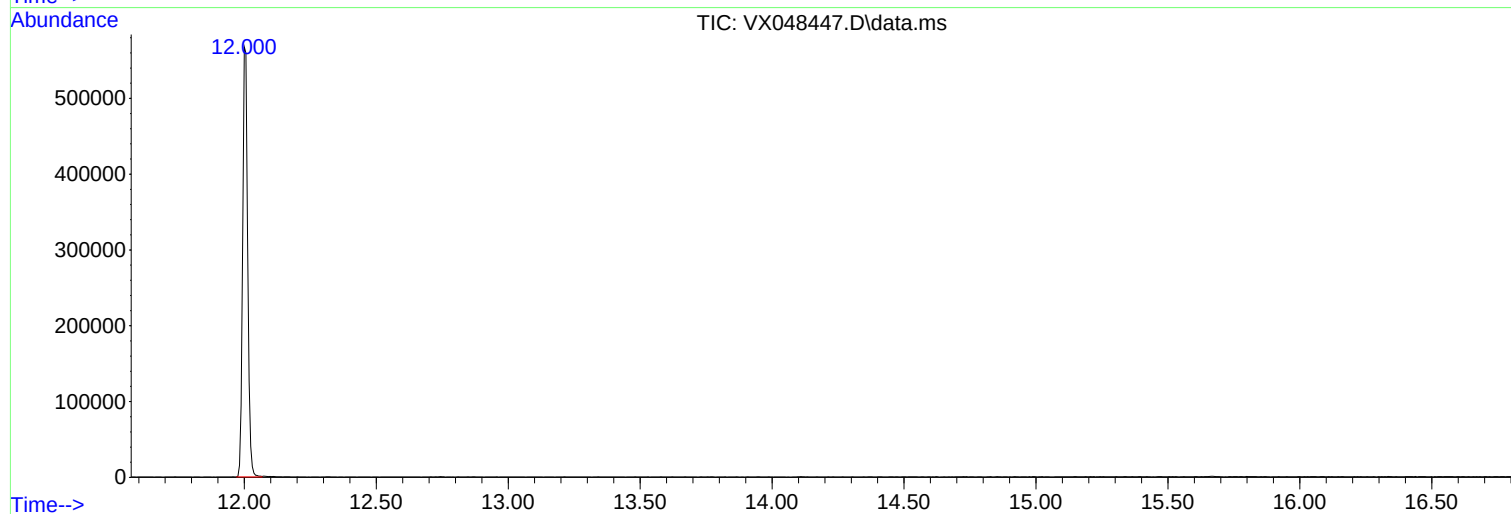
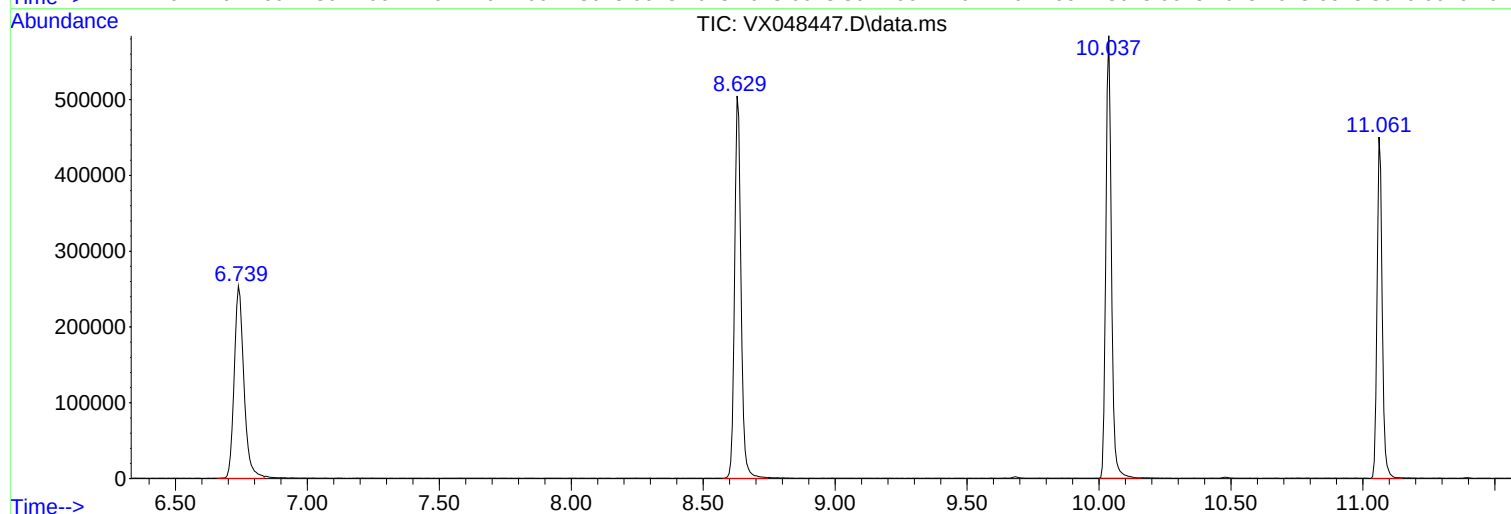
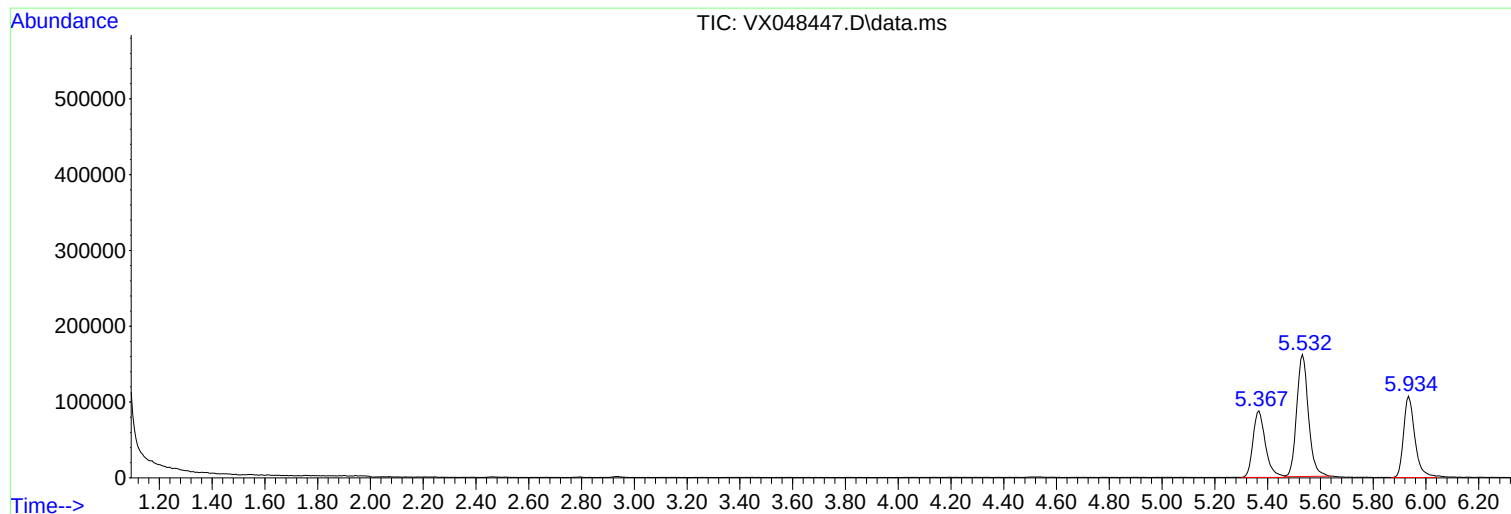
Sum of corrected areas: 4826509

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048447.D  
Acq On : 03 Nov 2025 11:25  
Operator : JC/MD  
Sample : VX1103WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048447.D  
Acq On : 03 Nov 2025 11:25  
Operator : JC/MD  
Sample : VX1103WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.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\VX110325\  
Data File : VX048447.D  
Acq On : 03 Nov 2025 11:25  
Operator : JC/MD  
Sample : VX1103WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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

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

### Report of Analysis

Client: AECOM  
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
 Client Sample ID: VY1022SBL01  
 Lab Sample ID: VY1022SBL01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 g

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3422  
 Matrix: SOIL  
 % Solid: 100  
 Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |      |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 5.00  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 74-87-3        | Chloromethane                  | 5.00  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 75-01-4        | Vinyl Chloride                 | 5.00  | U    | 1  | 0.79 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 74-83-9        | Bromomethane                   | 5.00  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 75-00-3        | Chloroethane                   | 5.00  | U    | 1  | 1.30 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 75-69-4        | Trichlorofluoromethane         | 5.00  | U    | 1  | 1.20 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 5.00  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 75-35-4        | 1,1-Dichloroethene             | 5.00  | U    | 1  | 1.00 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 67-64-1        | Acetone                        | 25.0  | U    | 1  | 4.70 | 25.0       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 75-15-0        | Carbon Disulfide               | 5.00  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 1634-04-4      | Methyl tert-butyl Ether        | 5.00  | U    | 1  | 0.73 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 79-20-9        | Methyl Acetate                 | 5.00  | U    | 1  | 1.50 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 75-09-2        | Methylene Chloride             | 10.0  | U    | 1  | 3.50 | 10.0       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 156-60-5       | trans-1,2-Dichloroethene       | 5.00  | U    | 1  | 0.86 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 75-34-3        | 1,1-Dichloroethane             | 5.00  | U    | 1  | 0.80 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 110-82-7       | Cyclohexane                    | 5.00  | U    | 1  | 0.79 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 78-93-3        | 2-Butanone                     | 25.0  | U    | 1  | 6.50 | 25.0       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 56-23-5        | Carbon Tetrachloride           | 5.00  | U    | 1  | 0.97 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 156-59-2       | cis-1,2-Dichloroethene         | 5.00  | U    | 1  | 0.75 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 74-97-5        | Bromochloromethane             | 5.00  | U    | 1  | 1.20 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 67-66-3        | Chloroform                     | 5.00  | U    | 1  | 0.84 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 71-55-6        | 1,1,1-Trichloroethane          | 5.00  | U    | 1  | 0.93 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 108-87-2       | Methylcyclohexane              | 5.00  | U    | 1  | 0.91 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 71-43-2        | Benzene                        | 5.00  | U    | 1  | 0.79 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 107-06-2       | 1,2-Dichloroethane             | 5.00  | U    | 1  | 0.79 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 79-01-6        | Trichloroethene                | 5.00  | U    | 1  | 0.81 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 78-87-5        | 1,2-Dichloropropane            | 5.00  | U    | 1  | 0.91 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 75-27-4        | Bromodichloromethane           | 5.00  | U    | 1  | 0.78 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 25.0  | U    | 1  | 3.60 | 25.0       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 108-88-3       | Toluene                        | 5.00  | U    | 1  | 0.78 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 10061-02-6     | t-1,3-Dichloropropene          | 5.00  | U    | 1  | 0.65 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 5.00  | U    | 1  | 0.62 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 79-00-5        | 1,1,2-Trichloroethane          | 5.00  | U    | 1  | 0.92 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 591-78-6       | 2-Hexanone                     | 25.0  | U    | 1  | 3.70 | 25.0       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 124-48-1       | Dibromochloromethane           | 5.00  | U    | 1  | 0.87 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 106-93-4       | 1,2-Dibromoethane              | 5.00  | U    | 1  | 0.88 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 127-18-4       | Tetrachloroethene              | 5.00  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 108-90-7       | Chlorobenzene                  | 5.00  | U    | 1  | 0.91 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 100-41-4       | Ethyl Benzene                  | 5.00  | U    | 1  | 0.67 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 179601-23-1    | m/p-Xylenes                    | 10.0  | U    | 1  | 1.20 | 10.0       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 95-47-6        | o-Xylene                       | 5.00  | U    | 1  | 0.82 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 100-42-5       | Styrene                        | 5.00  | U    | 1  | 0.71 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |
| 75-25-2        | Bromoform                      | 5.00  | U    | 1  | 0.86 | 5.00       | ug/Kg | 10/22/25 10:00 | VY102225 |

## Report of Analysis

|                                                           |                    |                     |
|-----------------------------------------------------------|--------------------|---------------------|
| Client: AECOM                                             | Date Collected:    |                     |
| Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:     |                     |
| Client Sample ID: VY1022SBL01                             | SDG No.:           | Q3422               |
| Lab Sample ID: VY1022SBL01                                | Matrix:            | SOIL                |
| Analytical Method: 8260D                                  | % Solid:           | 100                 |
| Sample Wt/Vol: 5 g                                        | Level: LOW         | Test: VOC-TCLVOA-10 |
|                                                           | Final Vol: 5000 uL |                     |

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 5.00              | U    | 1  | 0.78     | 5.00       | ug/Kg   | 10/22/25 10:00 | VY102225 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 5.00              | U    | 1  | 1.20     | 5.00       | ug/Kg   | 10/22/25 10:00 | VY102225 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 5.00              | U    | 1  | 1.70     | 5.00       | ug/Kg   | 10/22/25 10:00 | VY102225 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 5.00              | U    | 1  | 1.60     | 5.00       | ug/Kg   | 10/22/25 10:00 | VY102225 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 5.00              | U    | 1  | 1.50     | 5.00       | ug/Kg   | 10/22/25 10:00 | VY102225 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 5.00              | U    | 1  | 1.80     | 5.00       | ug/Kg   | 10/22/25 10:00 | VY102225 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 5.00              | U    | 1  | 3.00     | 5.00       | ug/Kg   | 10/22/25 10:00 | VY102225 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 5.00              | U    | 1  | 3.20     | 5.00       | ug/Kg   | 10/22/25 10:00 | VY102225 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 48.3              |      |    | 63 - 155 | 97%        | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 49.8              |      |    | 70 - 134 | 100%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 48.6              |      |    | 74 - 123 | 97%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 41.1              |      |    | 17 - 146 | 82%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 890000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 1430000           |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 1180000           |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 485000            |      |    |          |            |         |                |          |

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\_Y\Data\VY102225\  
Data File : VY023544.D  
Acq On : 22 Oct 2025 10:00  
Operator : SY/MD  
Sample : VY1022SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBL01

Quant Time: Oct 24 02:26:09 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 890059   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 1434768  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 1180185  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 484557   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 359226   | 48.265   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 96.520% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 439107   | 49.808   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.620% |
| 50) Toluene-d8              | 10.109 | 98    | 1595601  | 48.600   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 97.200% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 445110   | 41.064   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 82.120% |

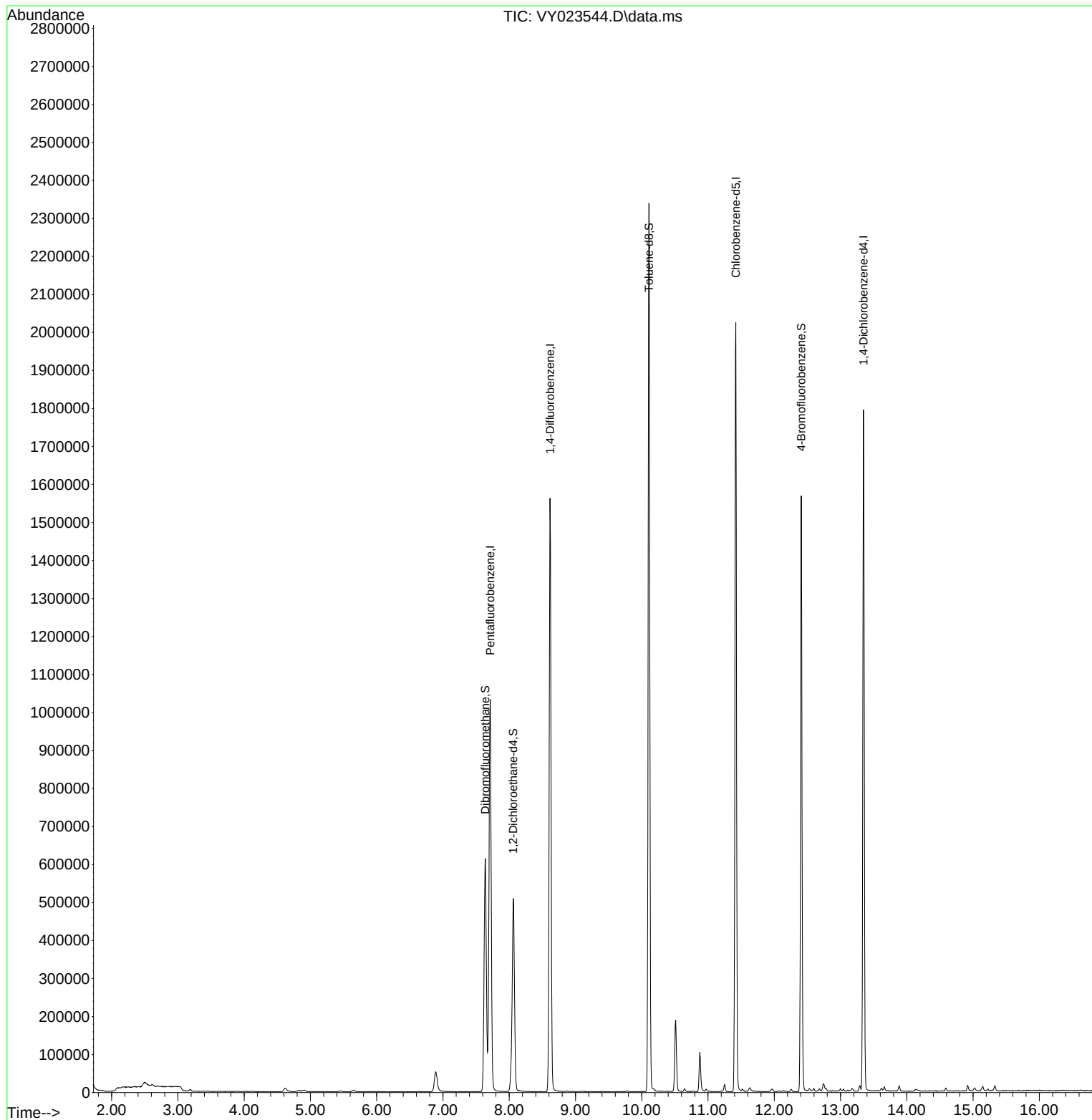
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

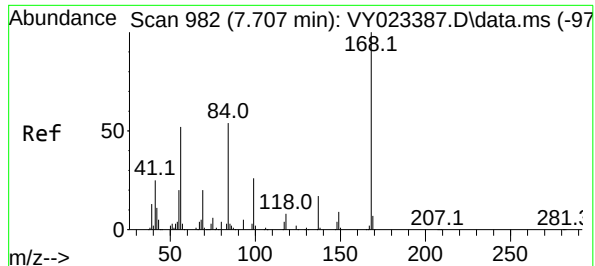
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023544.D  
Acq On : 22 Oct 2025 10:00  
Operator : SY/MD  
Sample : VY1022SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBL01

Quant Time: Oct 24 02:26:09 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

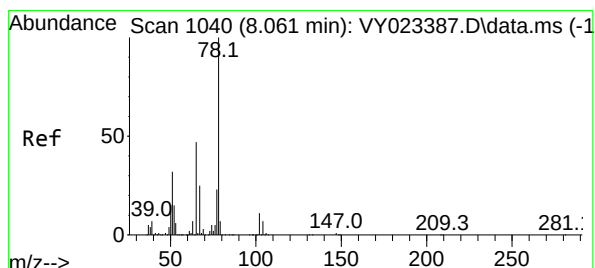
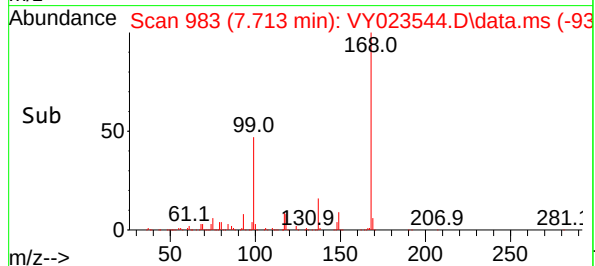
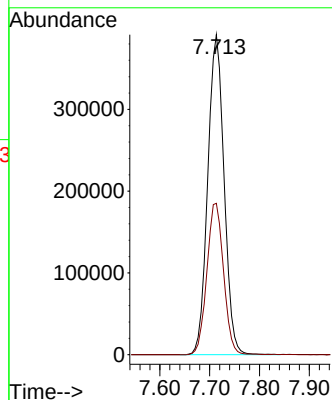
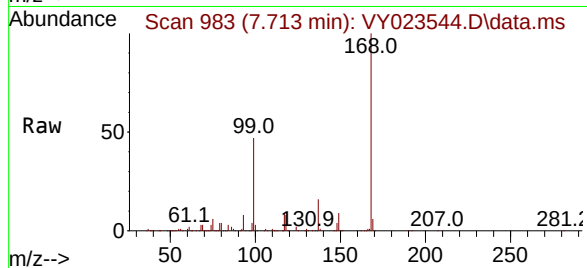




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023544.D  
Acq: 22 Oct 2025 10:00

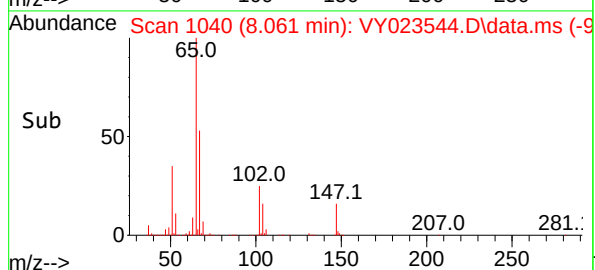
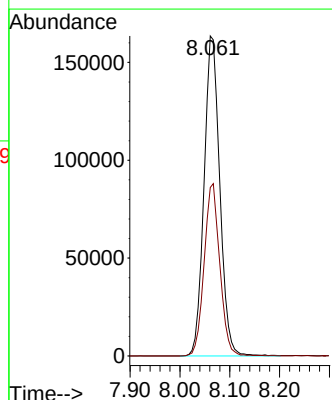
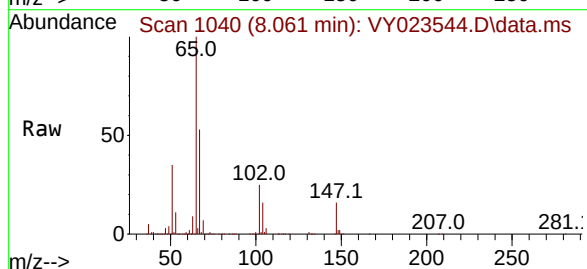
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBL01

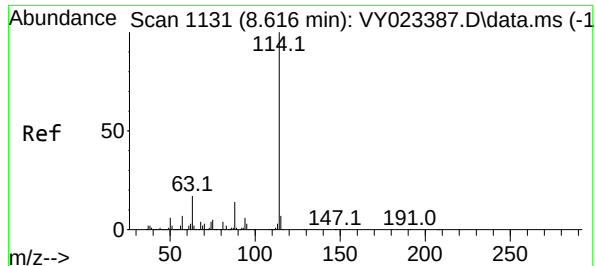
Tgt Ion:168 Resp: 890059  
Ion Ratio Lower Upper  
168 100  
99 47.3 39.7 59.5



#33  
1,2-Dichloroethane-d4  
Concen: 48.265 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY023544.D  
Acq: 22 Oct 2025 10:00

Tgt Ion: 65 Resp: 359226  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023544.D

Acq: 22 Oct 2025 10:00

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBL01

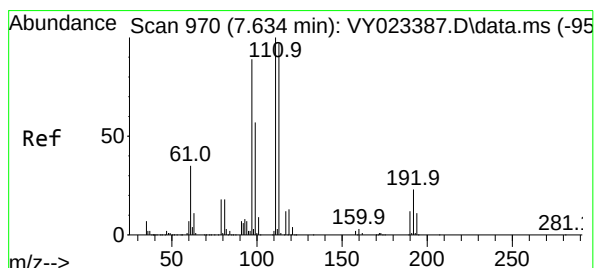
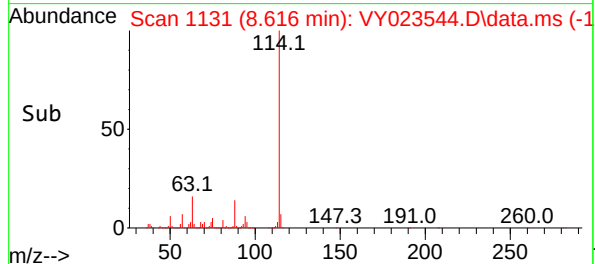
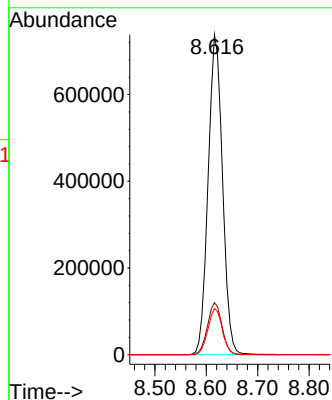
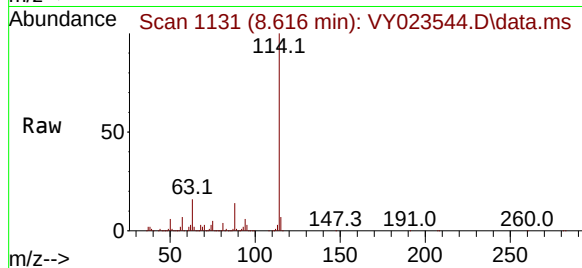
Tgt Ion:114 Resp: 1434768

Ion Ratio Lower Upper

114 100

63 16.2 0.0 34.2

88 14.5 0.0 28.4



#35

Dibromofluoromethane

Concen: 49.808 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023544.D

Acq: 22 Oct 2025 10:00

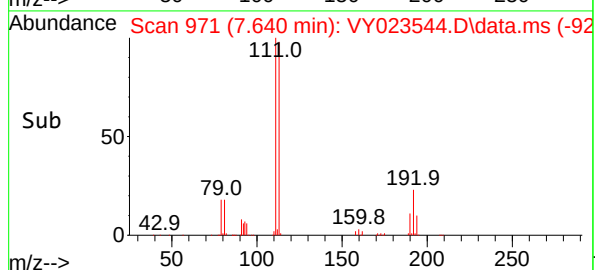
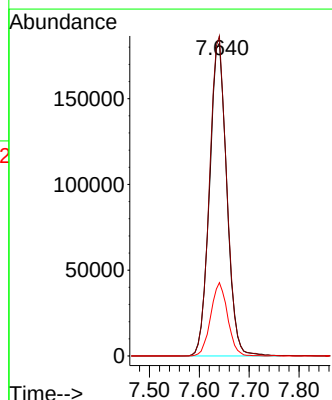
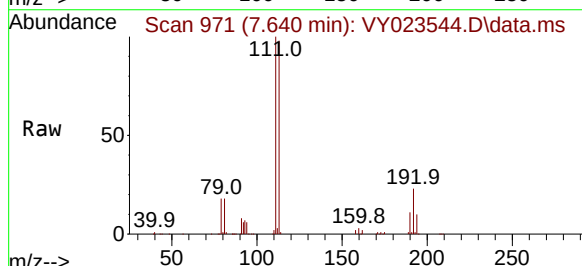
Tgt Ion:113 Resp: 439107

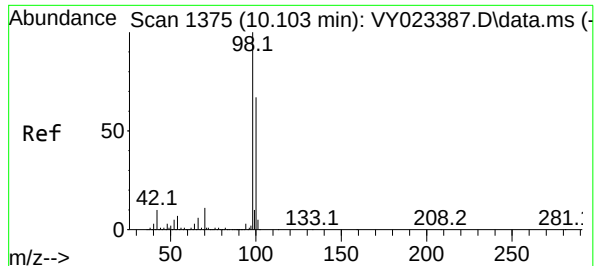
Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.6

192 22.9 18.0 27.0





#50

Toluene-d8

Concen: 48.600 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023544.D

Acq: 22 Oct 2025 10:00

Instrument :

MSVOA\_Y

ClientSampleId :

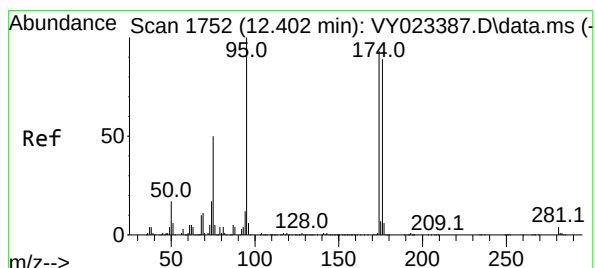
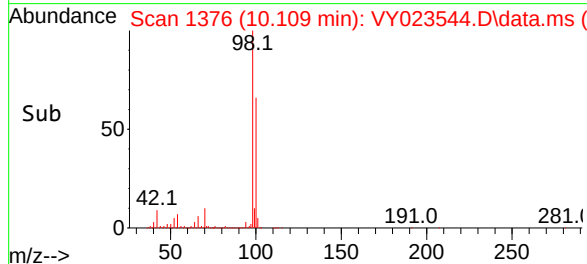
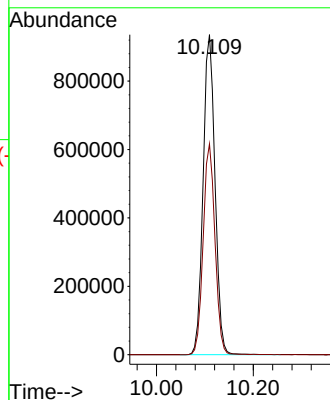
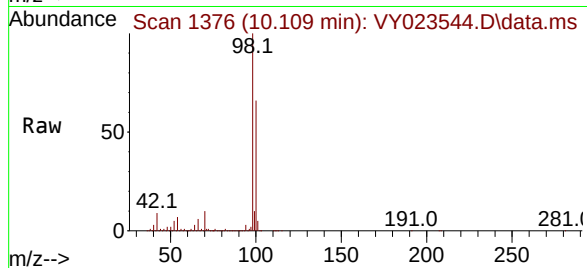
VY1022SBL01

Tgt Ion: 98 Resp: 1595601

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 41.064 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023544.D

Acq: 22 Oct 2025 10:00

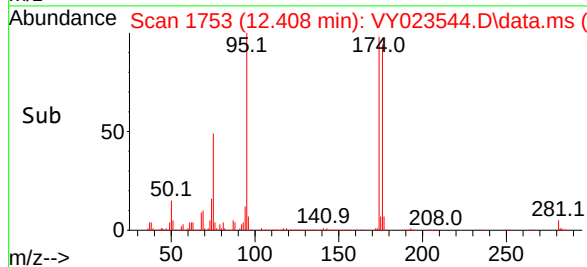
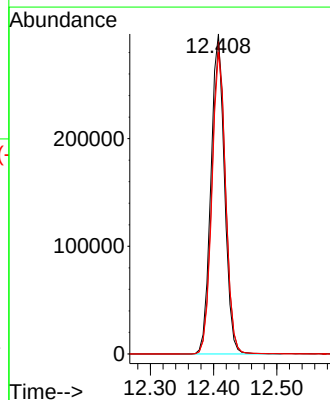
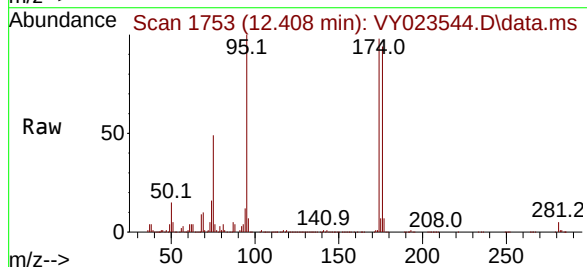
Tgt Ion: 95 Resp: 445110

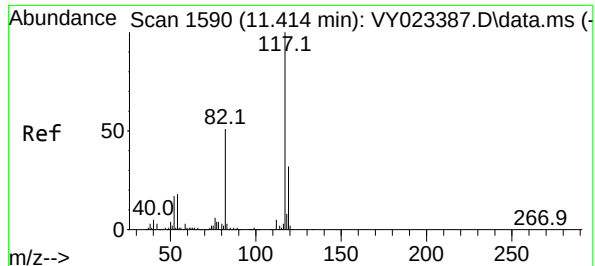
Ion Ratio Lower Upper

95 100

174 97.9 0.0 192.8

176 94.7 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023544.D

Acq: 22 Oct 2025 10:00

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBL01

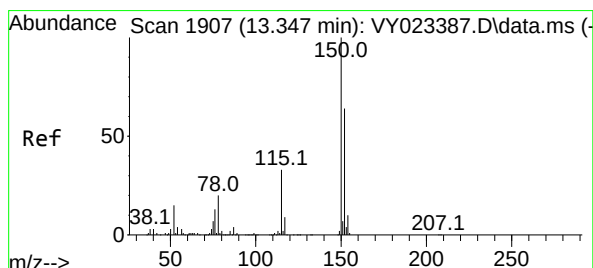
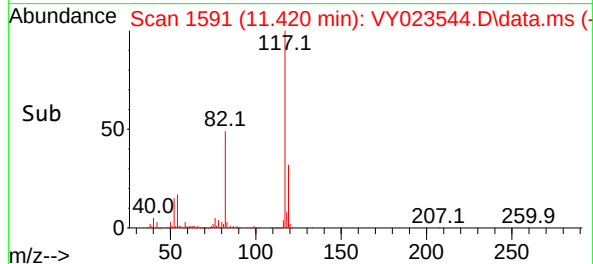
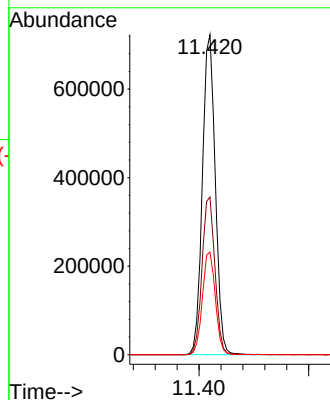
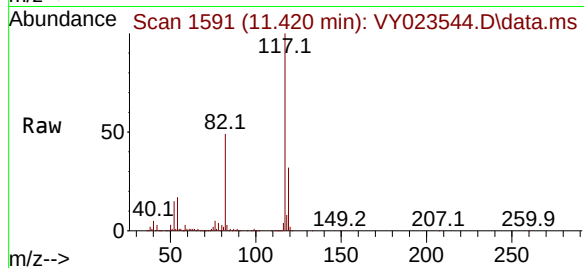
Tgt Ion:117 Resp: 1180185

Ion Ratio Lower Upper

117 100

82 49.3 41.0 61.4

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023544.D

Acq: 22 Oct 2025 10:00

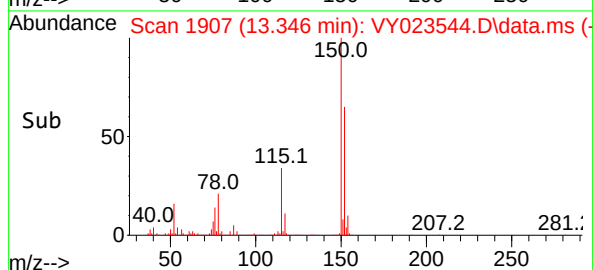
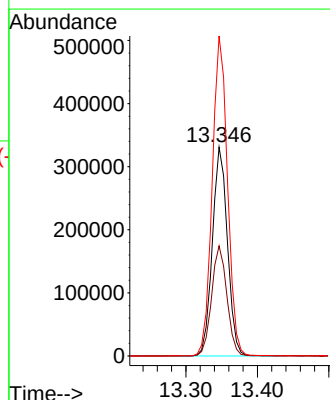
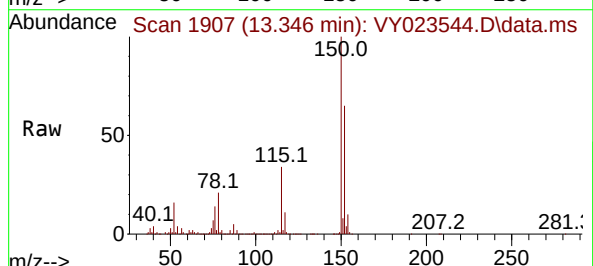
Tgt Ion:152 Resp: 484557

Ion Ratio Lower Upper

152 100

115 53.2 27.1 81.2

150 154.9 0.0 347.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023544.D  
Acq On : 22 Oct 2025 10:00  
Operator : SY/MD  
Sample : VY1022SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Title : SW846 8260

Signal : TIC: VY023544.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 6.890       | 836           | 848         | 860          | rBV      | 52729          | 169844        | 4.22%           | 0.796%        |
| 2         | 7.640       | 958           | 971         | 976          | rBV      | 613566         | 1444748       | 35.92%          | 6.772%        |
| 3         | 7.713       | 976           | 983         | 1000         | rVB      | 1030611        | 2407906       | 59.87%          | 11.287%       |
| 4         | 8.061       | 1027          | 1040        | 1054         | rBV2     | 508015         | 1257916       | 31.28%          | 5.897%        |
| 5         | 8.616       | 1122          | 1131        | 1151         | rBV      | 1561233        | 3049586       | 75.83%          | 14.295%       |
| 6         | 10.109      | 1368          | 1376        | 1390         | rBV      | 2337515        | 4021836       | 100.00%         | 18.853%       |
| 7         | 10.512      | 1434          | 1442        | 1459         | rVB      | 188628         | 345760        | 8.60%           | 1.621%        |
| 8         | 10.877      | 1496          | 1502        | 1513         | rBV      | 104551         | 178963        | 4.45%           | 0.839%        |
| 9         | 11.420      | 1582          | 1591        | 1603         | rBV      | 2023505        | 3338390       | 83.01%          | 15.649%       |
| 10        | 12.408      | 1746          | 1753        | 1766         | rBV      | 1567478        | 2435469       | 60.56%          | 11.416%       |
| 11        | 13.346      | 1901          | 1907        | 1921         | rVB      | 1791615        | 2682609       | 66.70%          | 12.575%       |

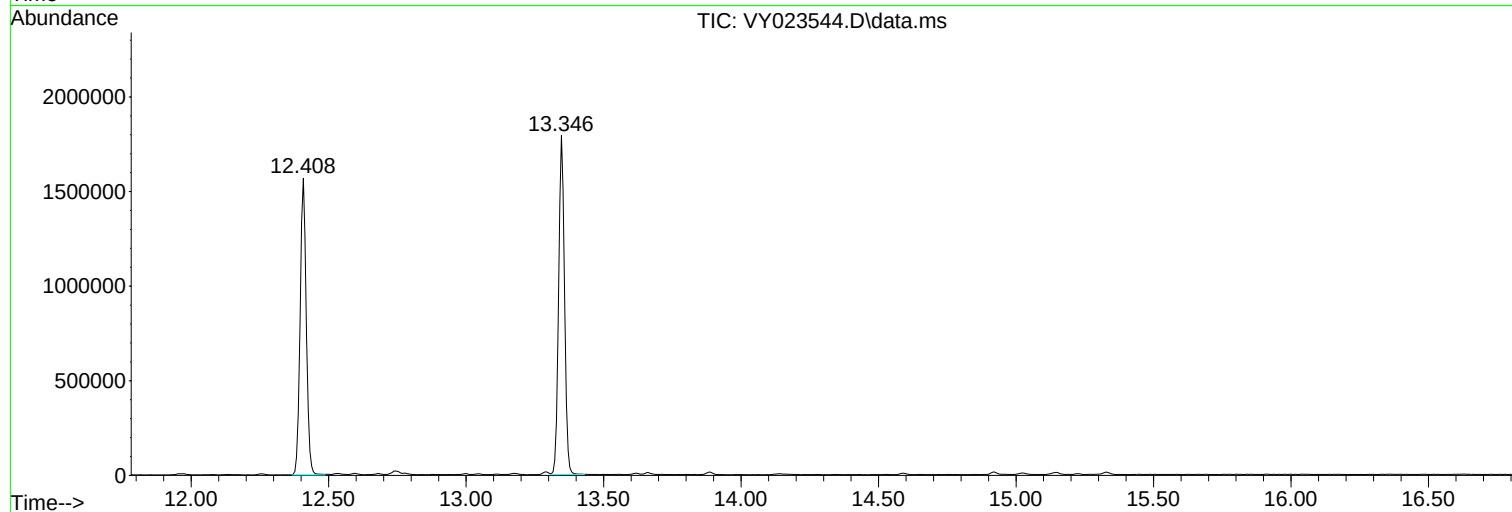
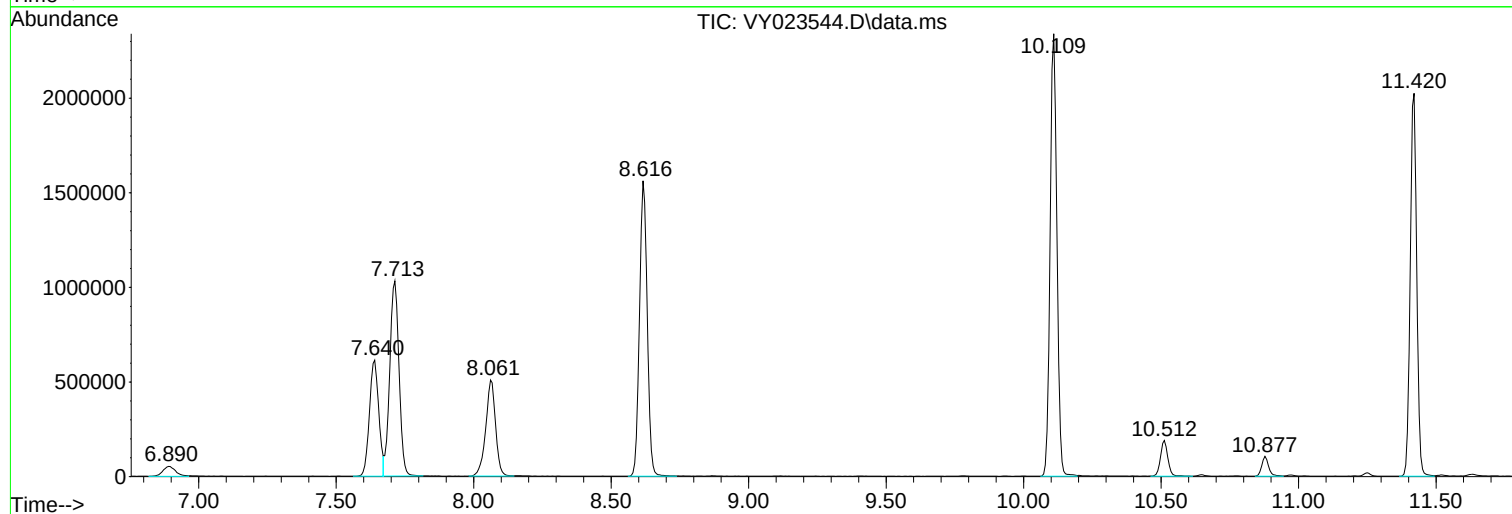
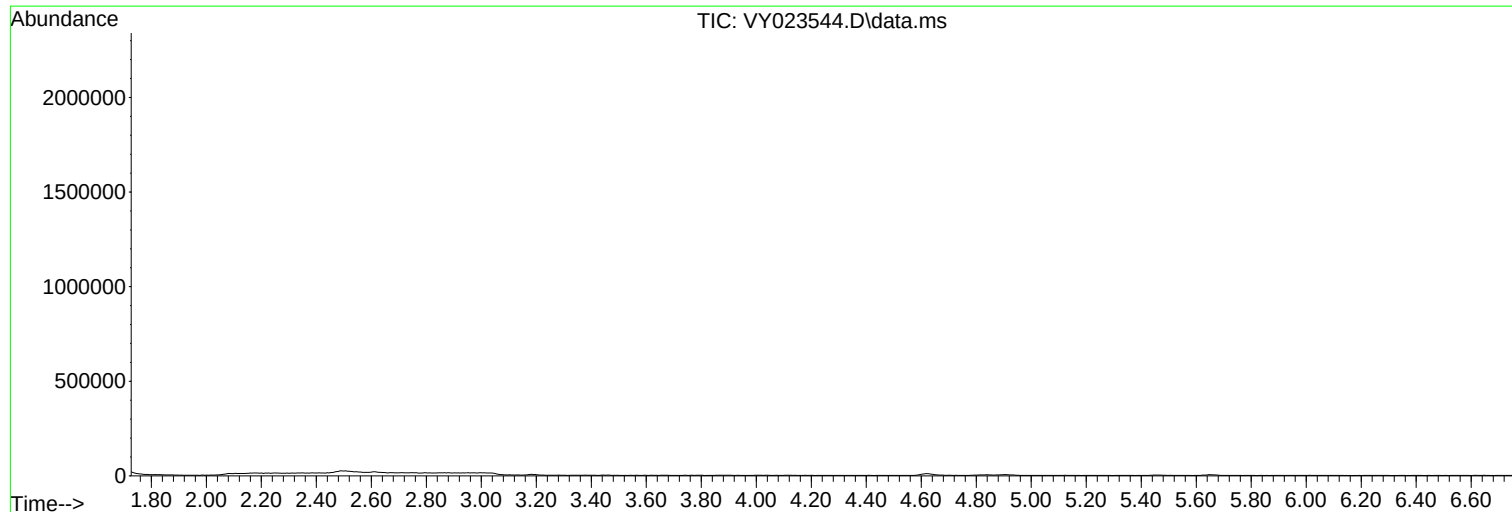
Sum of corrected areas: 21333027

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023544.D  
Acq On : 22 Oct 2025 10:00  
Operator : SY/MD  
Sample : VY1022SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023544.D  
Acq On : 22 Oct 2025 10:00  
Operator : SY/MD  
Sample : VY1022SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.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\_Y\Data\VY102225\  
Data File : VY023544.D  
Acq On : 22 Oct 2025 10:00  
Operator : SY/MD  
Sample : VY1022SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

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

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

### Report of Analysis

Client: AECOM  
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
 Client Sample ID: VX1103WBS01  
 Lab Sample ID: VX1103WBS01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3422  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 17.2  |      | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 74-87-3        | Chloromethane                  | 20.5  |      | 1  | 0.32  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-01-4        | Vinyl Chloride                 | 19.6  |      | 1  | 0.26  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 74-83-9        | Bromomethane                   | 20.1  |      | 1  | 1.40  | 5.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-00-3        | Chloroethane                   | 17.0  |      | 1  | 0.47  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-69-4        | Trichlorofluoromethane         | 17.3  |      | 1  | 0.33  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 20.2  |      | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-35-4        | 1,1-Dichloroethene             | 20.2  |      | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 67-64-1        | Acetone                        | 88.6  |      | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-15-0        | Carbon Disulfide               | 16.9  |      | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 1634-04-4      | Methyl tert-butyl Ether        | 17.4  |      | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 79-20-9        | Methyl Acetate                 | 16.0  |      | 1  | 0.27  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-09-2        | Methylene Chloride             | 17.1  |      | 1  | 0.28  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 156-60-5       | trans-1,2-Dichloroethene       | 16.9  |      | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-34-3        | 1,1-Dichloroethane             | 17.4  |      | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 110-82-7       | Cyclohexane                    | 19.7  |      | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 78-93-3        | 2-Butanone                     | 82.0  |      | 1  | 0.98  | 5.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 56-23-5        | Carbon Tetrachloride           | 18.7  |      | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 156-59-2       | cis-1,2-Dichloroethene         | 16.6  |      | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 74-97-5        | Bromochloromethane             | 19.3  |      | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 67-66-3        | Chloroform                     | 18.5  |      | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 71-55-6        | 1,1,1-Trichloroethane          | 19.9  |      | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 108-87-2       | Methylcyclohexane              | 16.6  |      | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 71-43-2        | Benzene                        | 19.2  |      | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 107-06-2       | 1,2-Dichloroethane             | 18.2  |      | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 79-01-6        | Trichloroethene                | 17.5  |      | 1  | 0.090 | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 78-87-5        | 1,2-Dichloropropane            | 17.1  |      | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-27-4        | Bromodichloromethane           | 18.3  |      | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 86.6  |      | 1  | 0.68  | 5.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 108-88-3       | Toluene                        | 17.6  |      | 1  | 0.14  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 10061-02-6     | t-1,3-Dichloropropene          | 19.0  |      | 1  | 0.17  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 18.4  |      | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 79-00-5        | 1,1,2-Trichloroethane          | 18.0  |      | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 591-78-6       | 2-Hexanone                     | 86.4  |      | 1  | 0.89  | 5.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 124-48-1       | Dibromochloromethane           | 18.2  |      | 1  | 0.18  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 106-93-4       | 1,2-Dibromoethane              | 17.8  |      | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 127-18-4       | Tetrachloroethene              | 19.8  |      | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 108-90-7       | Chlorobenzene                  | 20.7  |      | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 100-41-4       | Ethyl Benzene                  | 20.5  |      | 1  | 0.13  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 179601-23-1    | m/p-Xylenes                    | 42.2  |      | 1  | 0.24  | 2.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 95-47-6        | o-Xylene                       | 20.7  |      | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 100-42-5       | Styrene                        | 21.2  |      | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-25-2        | Bromoform                      | 21.3  |      | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |

### Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: |               |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  |               |
| Client Sample ID:  | VX1103WBS01                                      | SDG No.:        | Q3422         |
| Lab Sample ID:     | VX1103WBS01                                      | Matrix:         | Water         |
| Analytical Method: | 8260D                                            | % Solid:        | 0             |
| Sample Wt/Vol:     | 5 mL                                             | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 20.5              |      | 1  | 0.12     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 20.5              |      | 1  | 0.26     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 19.7              |      | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 20.2              |      | 1  | 0.19     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 20.3              |      | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 20.5              |      | 1  | 0.53     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 19.6              |      | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 20.2              |      | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 49.1              |      |    | 74 - 125 | 98%        | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 50.7              |      |    | 75 - 124 | 101%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 43.8              |      |    | 86 - 113 | 88%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 43.5              |      |    | 77 - 121 | 87%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 173000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 288000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 218000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 111000            |      |    |          |            |         |                |          |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
 Data File : VX048449.D  
 Acq On : 03 Nov 2025 12:21  
 Operator : JC/MD  
 Sample : VX1103WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1103WBS01

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
 Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:10:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.531  | 168  | 172640   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.738  | 114  | 288363   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 217740   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 110522   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.934  | 65    | 121860   | 49.081   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | =    | 98.160%  |
| 35) Dibromofluoromethane  | 5.367  | 113   | 83329    | 50.685   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 101.360% |
| 50) Toluene-d8            | 8.628  | 98    | 318132   | 43.836   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | =    | 87.680%# |
| 62) 4-Bromofluorobenzene  | 11.061 | 95    | 118111   | 43.506   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | =    | 87.020%  |

### Target Compounds

|                              |       |     |        |        |        | Qvalue |
|------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.172 | 85  | 30270  | 17.189 | ug/l   | 97     |
| 3) Chloromethane             | 1.300 | 50  | 20348  | 20.480 | ug/l   | 94     |
| 4) Vinyl Chloride            | 1.380 | 62  | 44939  | 19.580 | ug/l   | 99     |
| 5) Bromomethane              | 1.617 | 94  | 16699  | 20.141 | ug/l   | 93     |
| 6) Chloroethane              | 1.697 | 64  | 23174  | 16.978 | ug/l   | 100    |
| 7) Trichlorofluoromethane    | 1.898 | 101 | 60832  | 17.296 | ug/l   | 98     |
| 8) Diethyl Ether             | 2.129 | 74  | 22137  | 17.415 | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 39962  | 20.200 | ug/l   | 95     |
| 10) Methyl Iodide            | 2.459 | 142 | 123885 | 15.573 | ug/l   | 97     |
| 11) Tert butyl alcohol       | 2.928 | 59  | 15123  | 79.503 | ug/l   | 96     |
| 12) 1,1-Dichloroethene       | 2.325 | 96  | 40631  | 20.220 | ug/l   | 89     |
| 13) Acrolein                 | 2.233 | 56  | 35021  | 88.203 | ug/l   | 98     |
| 14) Allyl chloride           | 2.666 | 41  | 55328  | 16.259 | ug/l   | 93     |
| 15) Acrylonitrile            | 3.056 | 53  | 69872  | 80.744 | ug/l   | 99     |
| 16) Acetone                  | 2.373 | 43  | 49853  | 88.593 | ug/l   | 100    |
| 17) Carbon Disulfide         | 2.514 | 76  | 97171  | 16.865 | ug/l   | 98     |
| 18) Methyl Acetate           | 2.696 | 43  | 30042  | 15.962 | ug/l   | 99     |
| 19) Methyl tert-butyl Ether  | 3.105 | 73  | 112152 | 17.429 | ug/l   | 99     |
| 20) Methylene Chloride       | 2.788 | 84  | 37062  | 17.086 | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 36155  | 16.939 | ug/l   | 99     |
| 22) Diisopropyl ether        | 3.745 | 45  | 121046 | 17.378 | ug/l   | 98     |
| 23) Vinyl Acetate            | 3.708 | 43  | 434078 | 91.549 | ug/l   | 97     |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 68616  | 17.358 | ug/l   | 98     |
| 25) 2-Butanone               | 4.531 | 43  | 73676  | 81.958 | ug/l   | 93     |
| 26) 2,2-Dichloropropane      | 4.464 | 77  | 61839  | 18.169 | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene   | 4.477 | 96  | 42332  | 16.618 | ug/l   | 98     |
| 28) Bromochloromethane       | 4.879 | 49  | 34659  | 19.347 | ug/l   | 85     |
| 29) Tetrahydrofuran          | 4.983 | 42  | 59178  | 92.438 | ug/l   | 97     |
| 30) Chloroform               | 5.074 | 83  | 75267  | 18.510 | ug/l   | 99     |
| 31) Cyclohexane              | 5.458 | 56  | 67453  | 19.658 | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane    | 5.367 | 97  | 71589  | 19.942 | ug/l   | 98     |
| 36) 1,1-Dichloropropene      | 5.678 | 75  | 51987  | 18.830 | ug/l   | 98     |
| 37) Ethyl Acetate            | 4.696 | 43  | 37974  | 16.144 | ug/l # | 96     |
| 38) Carbon Tetrachloride     | 5.659 | 117 | 59473  | 18.657 | ug/l   | 95     |
| 39) Methylcyclohexane        | 7.360 | 83  | 58799  | 16.561 | ug/l   | 97     |
| 40) Benzene                  | 6.019 | 78  | 162239 | 19.235 | ug/l   | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
 Data File : VX048449.D  
 Acq On : 03 Nov 2025 12:21  
 Operator : JC/MD  
 Sample : VX1103WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1103WBS01

Quant Time: Nov 04 00:10:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
 Supervised By :mohammad ahmed 11/04/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.891  | 41   | 22908    | 19.335  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.068  | 62   | 54093    | 18.208  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 6.312  | 43   | 67186    | 17.300  | ug/l   | 95       |
| 44) Trichloroethene           | 7.110  | 130  | 38591    | 17.463  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.409  | 63   | 35935    | 17.059  | ug/l   | 98       |
| 46) Dibromomethane            | 7.561  | 93   | 26652    | 18.074  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.805  | 83   | 57455    | 18.338  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.671  | 41   | 32991    | 17.420  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.641  | 88   | 6805     | 316.132 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 187159   | 86.596  | ug/l   | 100      |
| 52) Toluene                   | 8.701  | 92   | 92741    | 17.597  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75   | 53828    | 18.954  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 56442    | 18.447  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 34295    | 17.981  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 46849    | 16.775  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 57864    | 17.497  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.226  | 63   | 131528   | 85.428  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.415  | 43   | 121464   | 86.371  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.500  | 129  | 42924    | 18.197  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 35072    | 17.775  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.256  | 164  | 34637    | 19.753  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.061 | 112  | 103891   | 20.711  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131  | 36626    | 21.465  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 173489   | 20.541  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.280 | 106  | 134991   | 42.211  | ug/l   | 99       |
| 69) o-Xylene                  | 10.622 | 106  | 63358    | 20.732  | ug/l   | 100      |
| 70) Styrene                   | 10.640 | 104  | 109893   | 21.227  | ug/l   | 99       |
| 71) Bromoform                 | 10.780 | 173  | 26290    | 21.299  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 167983   | 20.549  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.823 | 43   | 58129    | 19.933  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 42400    | 20.477  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 33504m   | 21.079  | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 40521    | 20.067  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.286 | 91   | 201686   | 20.875  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.347 | 91   | 120278   | 20.734  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 140304   | 20.938  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 9223     | 20.081  | ug/l # | 65       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 143791   | 21.085  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 139109   | 20.391  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.731 | 105  | 143541   | 21.634  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 176437   | 20.756  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.987 | 119  | 148457   | 20.658  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 75803    | 19.656  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 79478    | 20.235  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.311 | 91   | 140708   | 20.854  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.518 | 117  | 26546    | 21.022  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 72500    | 20.287  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 8322     | 20.525  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.566 | 180  | 48282    | 19.579  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 21142    | 20.439  | ug/l   | 96       |
| 95) Naphthalene               | 13.755 | 128  | 121617   | 19.527  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.938 | 180  | 45326    | 20.235  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048449.D  
Acq On : 03 Nov 2025 12:21  
Operator : JC/MD  
Sample : VX1103WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 00:10:08 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

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

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

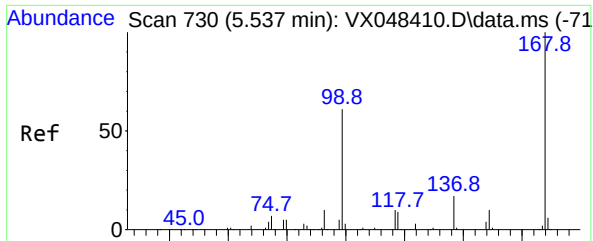
**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VX1103WBS01

## Manual Integrations

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025





#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.531 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX048449.D

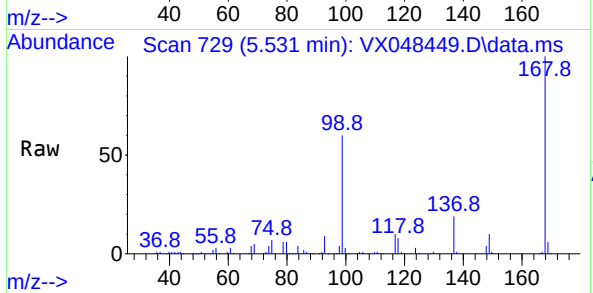
Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01



Tgt Ion:168 Resp: 172640

Ion Ratio Lower Upper

168 100

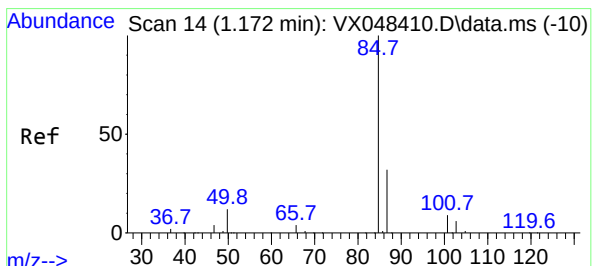
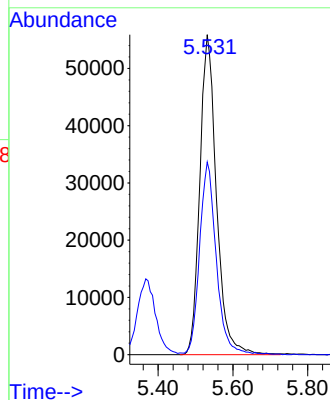
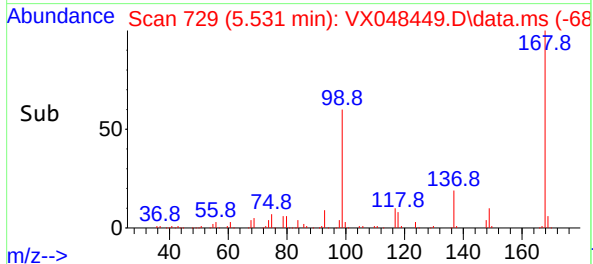
99 60.0 46.4 69.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#2

Dichlorodifluoromethane

Concen: 17.189 ug/l

RT: 1.172 min Scan# 14

Delta R.T. -0.000 min

Lab File: VX048449.D

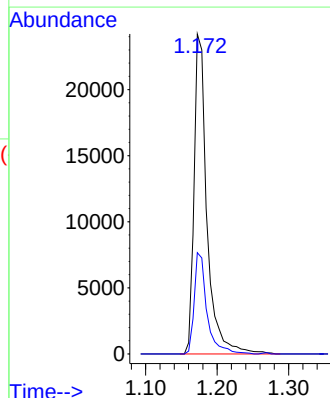
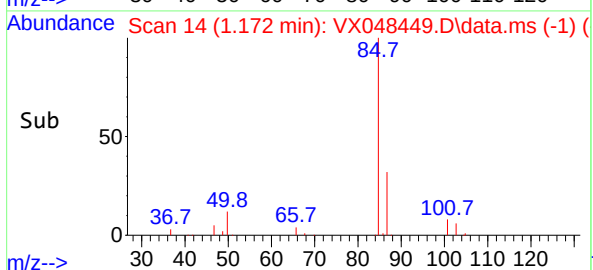
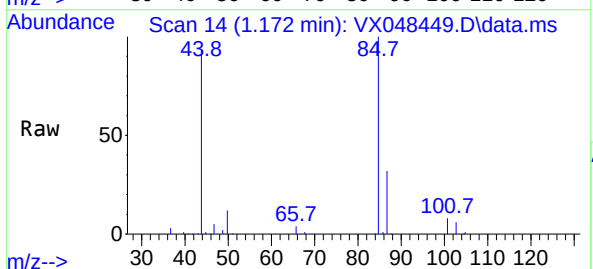
Acq: 03 Nov 2025 12:21

Tgt Ion: 85 Resp: 30270

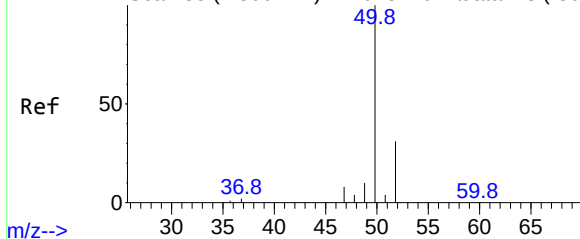
Ion Ratio Lower Upper

85 100

87 32.1 15.3 45.9



Abundance Scan 35 (1.300 min): VX048410.D\data.ms (-30)



#3

Chloromethane

Concen: 20.480 ug/l

RT: 1.300 min Scan# 35

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 50 Resp: 20348

Ion Ratio Lower Upper

50 100

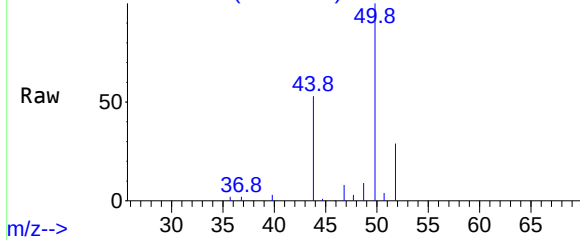
52 29.2 25.9 38.9

Manual Integrations

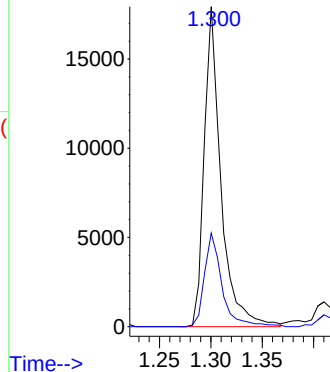
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

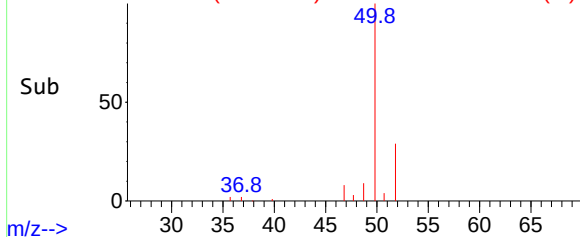
Abundance Scan 35 (1.300 min): VX048449.D\data.ms



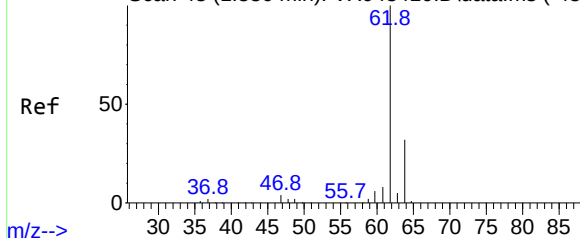
Abundance



Abundance Scan 35 (1.300 min): VX048449.D\data.ms (-1) (



Abundance Scan 48 (1.380 min): VX048410.D\data.ms (-43)



#4

Vinyl Chloride

Concen: 19.580 ug/l

RT: 1.380 min Scan# 48

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

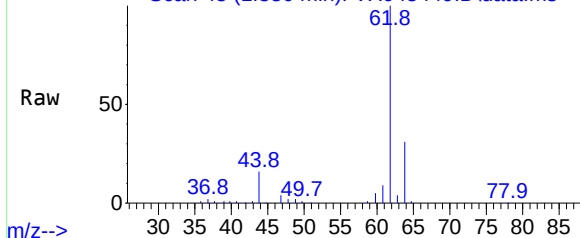
Tgt Ion: 62 Resp: 44939

Ion Ratio Lower Upper

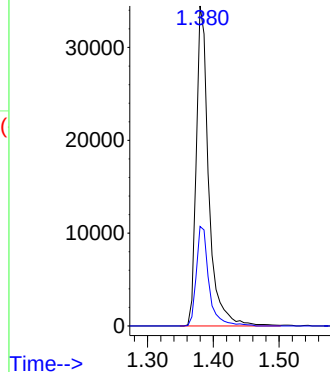
62 100

64 31.1 25.1 37.7

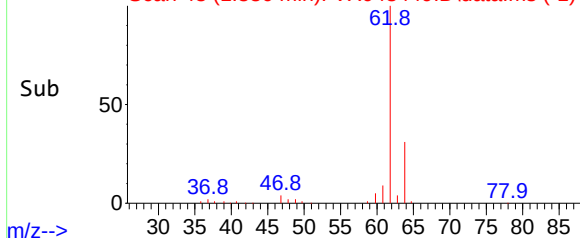
Abundance Scan 48 (1.380 min): VX048449.D\data.ms



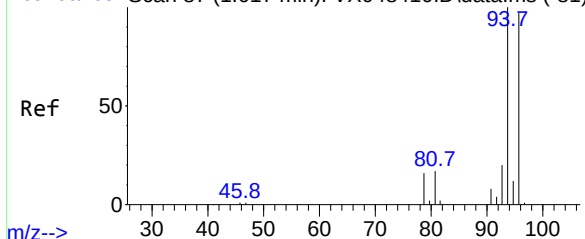
Abundance



Abundance Scan 48 (1.380 min): VX048449.D\data.ms (-1) (



Abundance Scan 87 (1.617 min): VX048410.D\data.ms (-81)



#5

Bromomethane

Concen: 20.141 ug/l

RT: 1.617 min Scan# 81

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

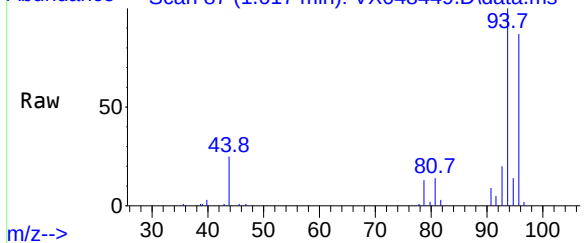
Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Abundance Scan 87 (1.617 min): VX048449.D\data.ms



Tgt Ion: 94 Resp: 16699

Ion Ratio Lower Upper

94 100

96 88.2 76.0 114.0

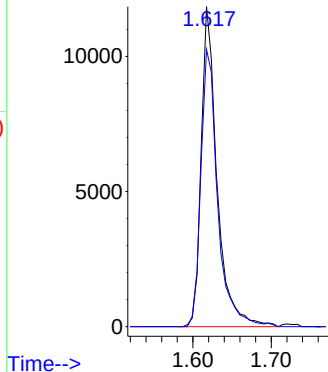
Manual Integrations

APPROVED

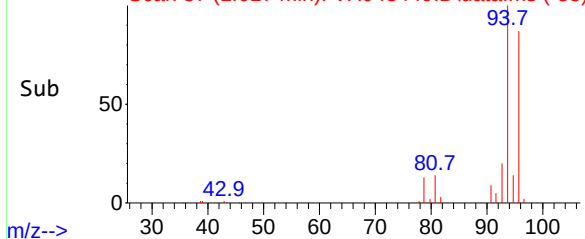
Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

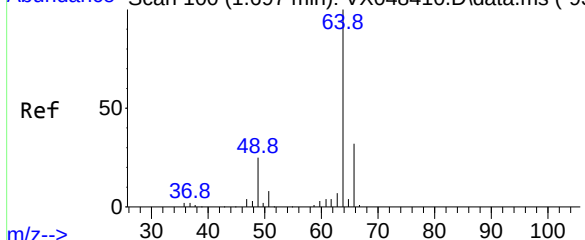
Abundance



Abundance Scan 87 (1.617 min): VX048449.D\data.ms (-38)



Abundance Scan 100 (1.697 min): VX048410.D\data.ms (-93)



#6

Chloroethane

Concen: 16.978 ug/l

RT: 1.697 min Scan# 100

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

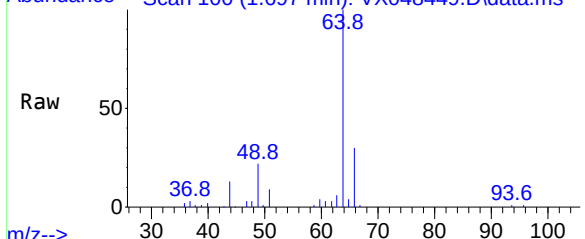
Tgt Ion: 64 Resp: 23174

Ion Ratio Lower Upper

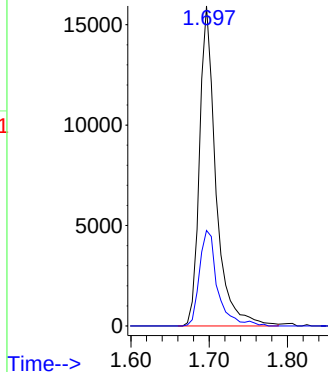
64 100

66 29.8 23.9 35.9

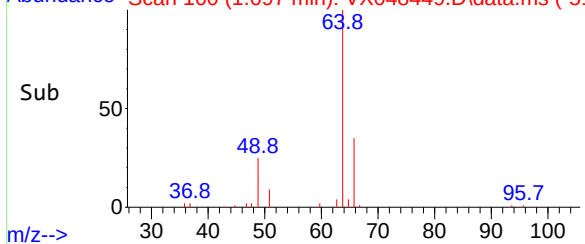
Abundance Scan 100 (1.697 min): VX048449.D\data.ms



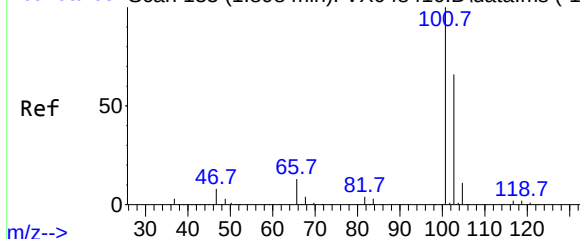
Abundance



Abundance Scan 100 (1.697 min): VX048449.D\data.ms (-51)



Abundance Scan 133 (1.898 min): VX048410.D\data.ms (-12



#7

Trichlorofluoromethane

Concen: 17.296 ug/l

RT: 1.898 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion:101 Resp: 6083

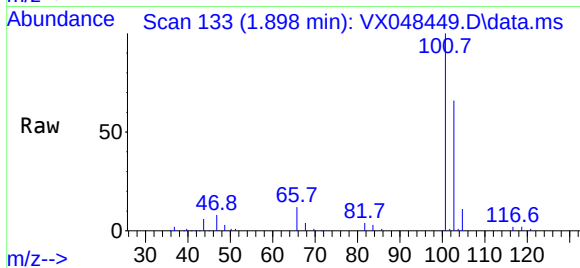
Ion Ratio Lower Upper

101 100

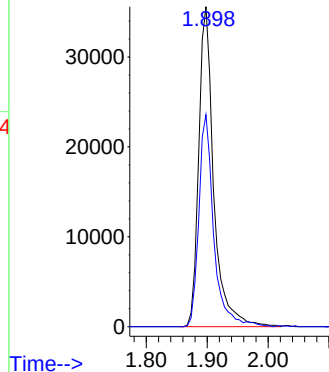
103 66.2 51.6 77.4

Manual Integrations

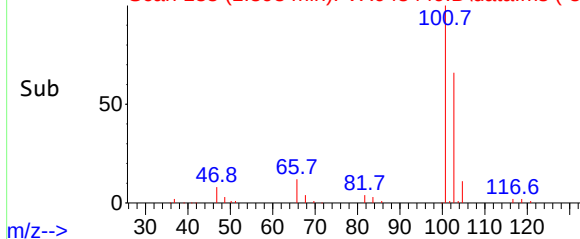
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

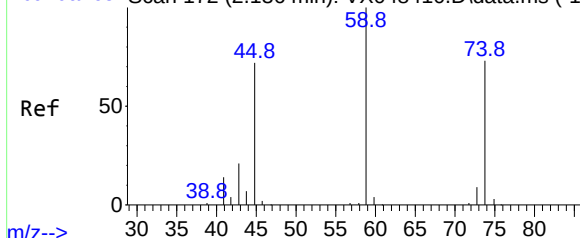
Abundance



Abundance Scan 133 (1.898 min): VX048449.D\data.ms (-84



Abundance Scan 172 (2.136 min): VX048410.D\data.ms (-16



#8

Diethyl Ether

Concen: 17.415 ug/l

RT: 2.129 min Scan# 171

Delta R.T. -0.006 min

Lab File: VX048449.D

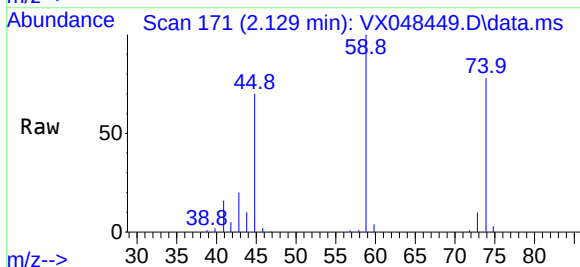
Acq: 03 Nov 2025 12:21

Tgt Ion: 74 Resp: 22137

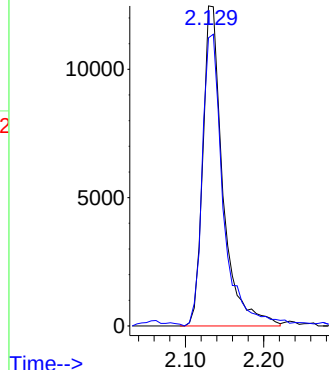
Ion Ratio Lower Upper

74 100

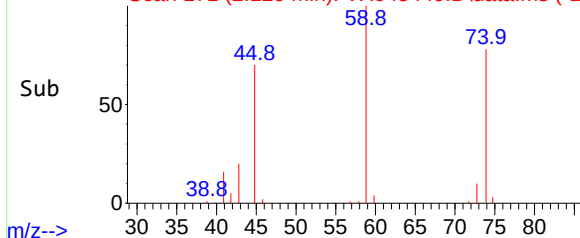
45 96.3 50.0 149.8



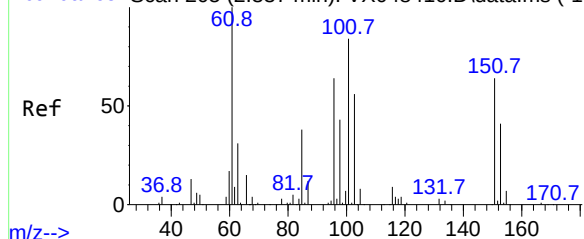
Abundance



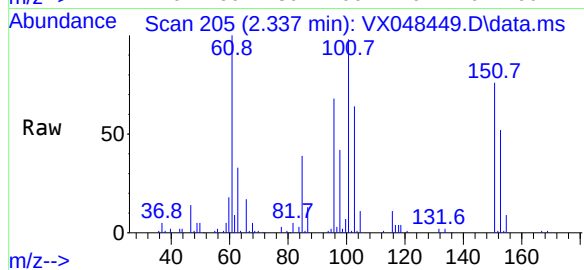
Abundance Scan 171 (2.129 min): VX048449.D\data.ms (-12



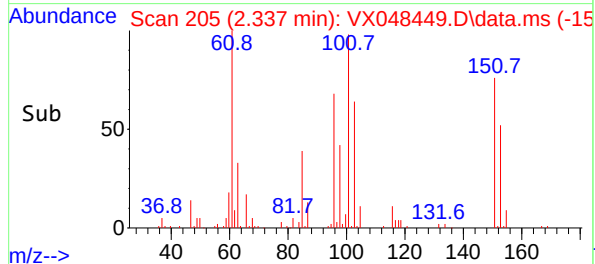
Abundance Scan 205 (2.337 min): VX048410.D\data.ms (-19



m/z--&gt;



m/z--&gt;



m/z--&gt;

#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.200 ug/l

RT: 2.337 min Scan# 205

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Tgt Ion:101 Resp: 3996

Ion Ratio Lower Upper

101 100

85 42.4 35.6 53.4

151 77.1 58.0 87.0

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

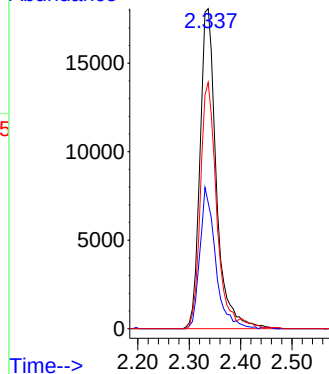
Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

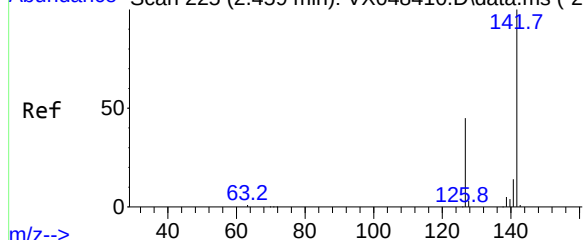
Supervised By :mohammad ahmed 11/04/2025

Abundance

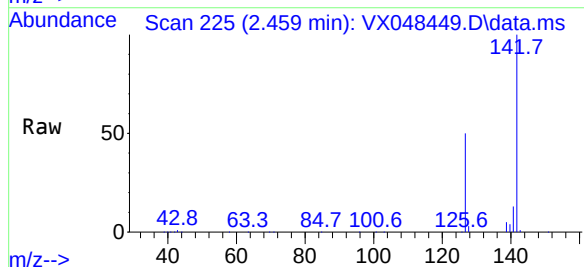


Time--&gt;

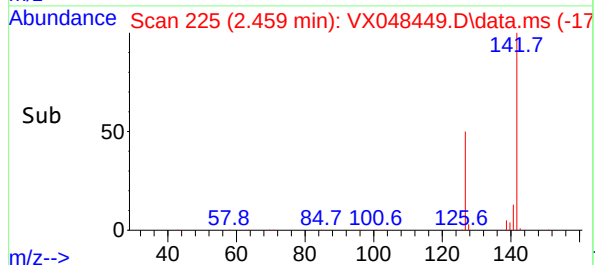
Abundance Scan 225 (2.459 min): VX048410.D\data.ms (-21



m/z--&gt;



m/z--&gt;



m/z--&gt;

#10

Methyl Iodide

Concen: 15.573 ug/l

RT: 2.459 min Scan# 225

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Tgt Ion:142 Resp: 123885

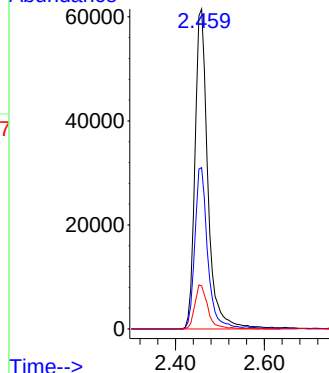
Ion Ratio Lower Upper

142 100

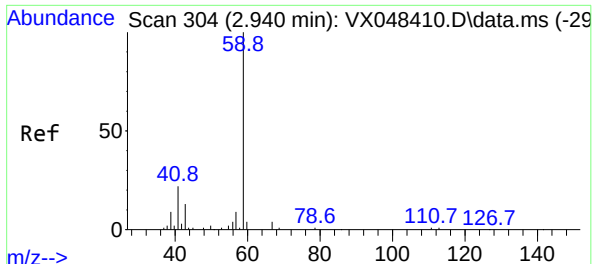
127 50.1 38.5 57.7

141 13.9 11.6 17.4

Abundance



Time--&gt;



#11

Tert butyl alcohol

Concen: 79.503 ug/l

RT: 2.928 min Scan# 304

Delta R.T. -0.012 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 59 Resp: 1512

Ion Ratio Lower Upper

59 100

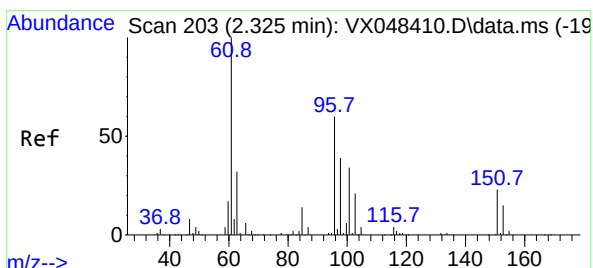
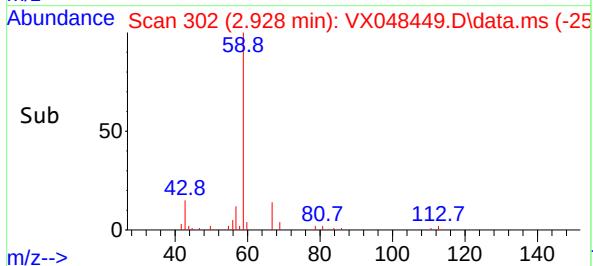
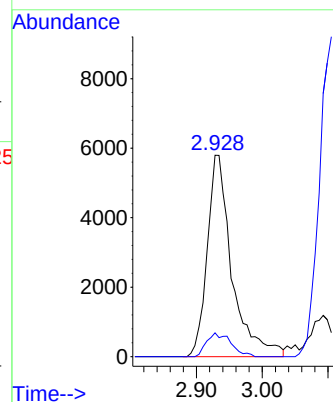
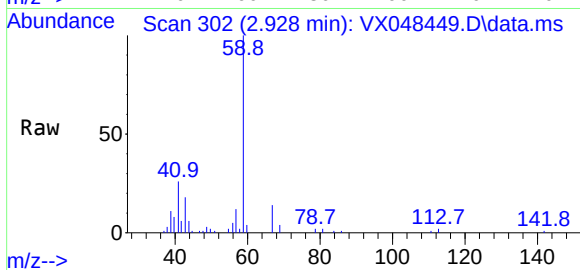
57 11.7 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#12

1,1-Dichloroethene

Concen: 20.220 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

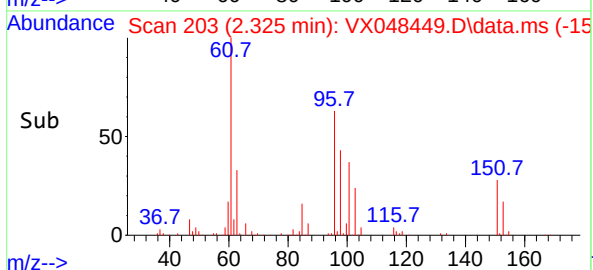
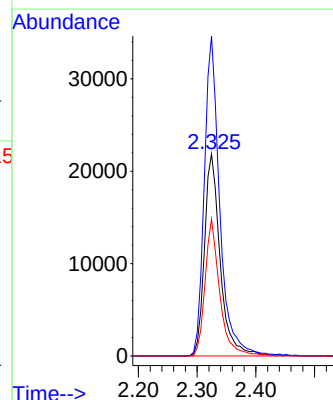
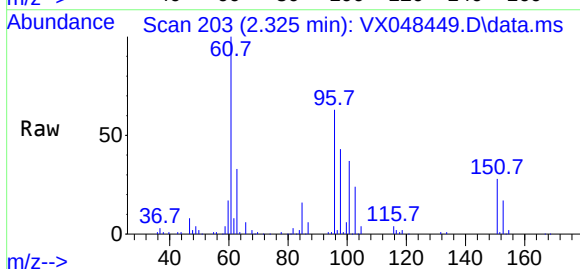
Tgt Ion: 96 Resp: 40631

Ion Ratio Lower Upper

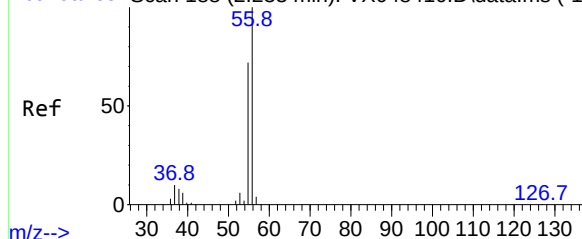
96 100

61 153.0 139.0 208.6

98 65.5 52.4 78.6



Abundance Scan 188 (2.233 min): VX048410.D\data.ms (-18



#13

Acrolein

Concen: 88.203 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 56 Resp: 3502

Ion Ratio Lower Upper

56 100

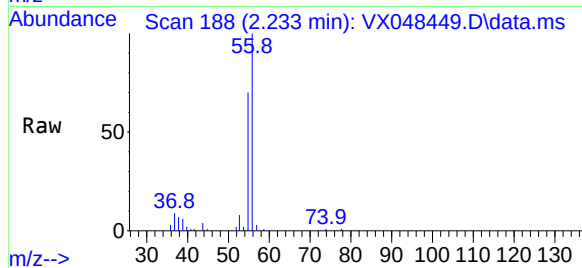
55 68.1 56.1 84.1

Manual Integrations

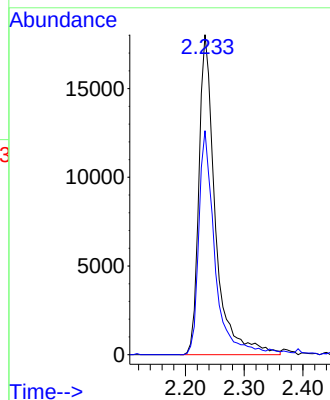
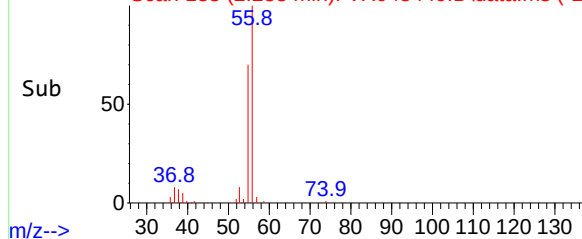
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

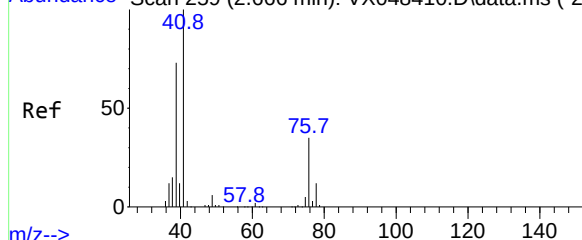
Supervised By :mohammad ahmed 11/04/2025



Abundance Scan 188 (2.233 min): VX048449.D\data.ms (-13



Abundance Scan 259 (2.666 min): VX048410.D\data.ms (-24



#14

Allyl chloride

Concen: 16.259 ug/l

RT: 2.666 min Scan# 259

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

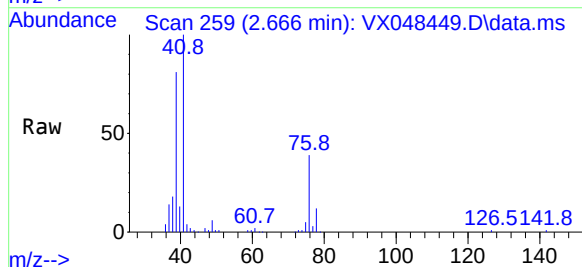
Tgt Ion: 41 Resp: 55328

Ion Ratio Lower Upper

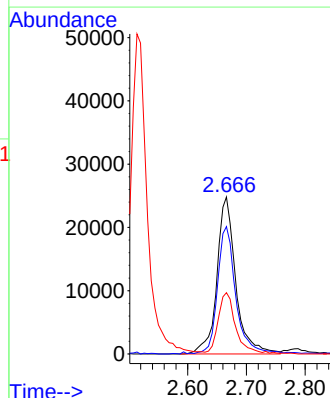
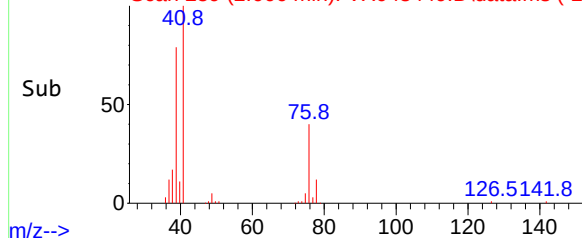
41 100

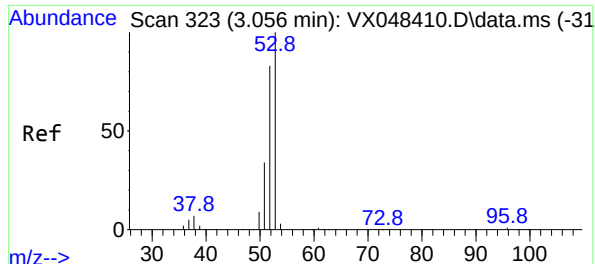
39 77.2 56.0 84.0

76 36.7 27.5 41.3



Abundance Scan 259 (2.666 min): VX048449.D\data.ms (-21





#15

Acrylonitrile

Concen: 80.744 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

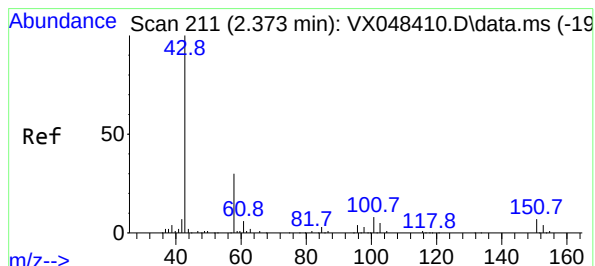
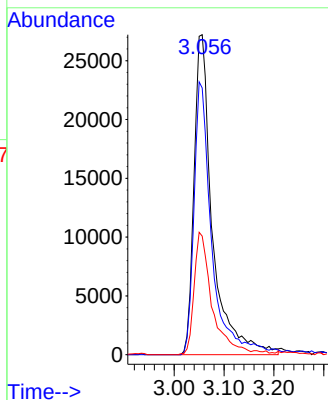
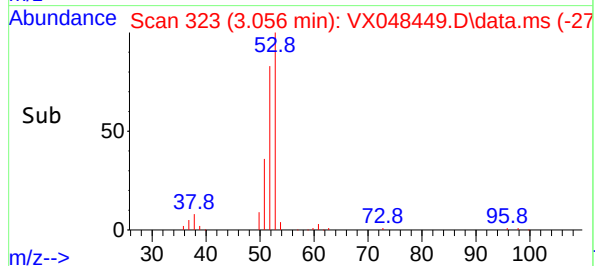
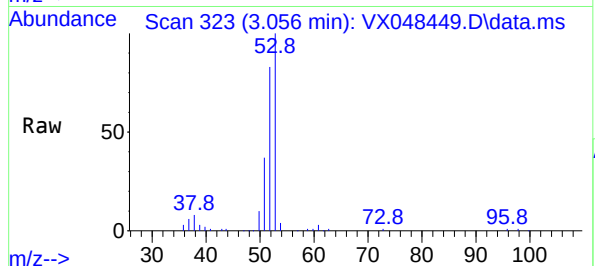
ClientSampleId :

VX1103WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 69872 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.0  | 66.1  | 99.1  |
| 51       | 37.1  | 29.0  | 43.4  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#16

Acetone

Concen: 88.593 ug/l

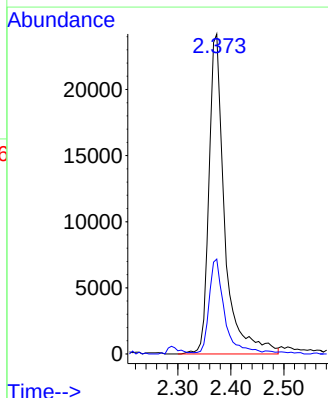
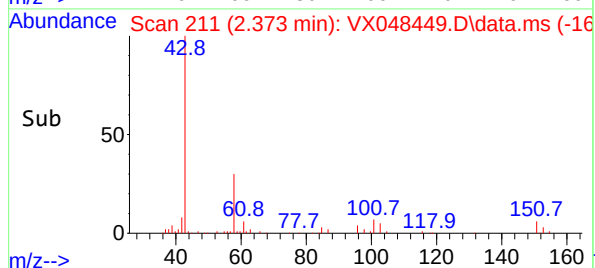
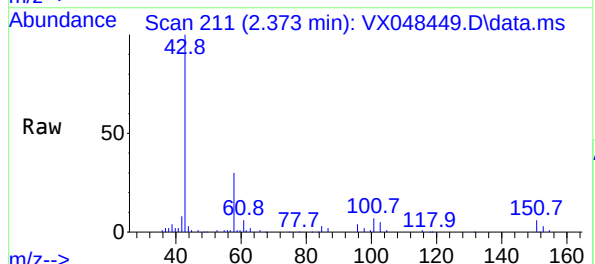
RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

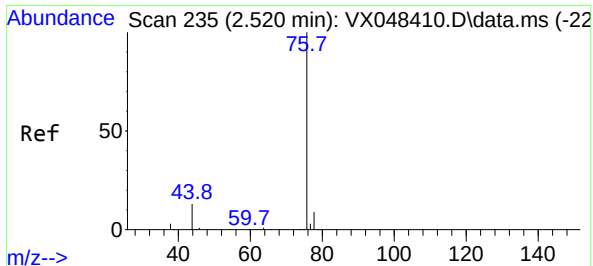
Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 49853 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 29.0  | 23.4  | 35.2  |

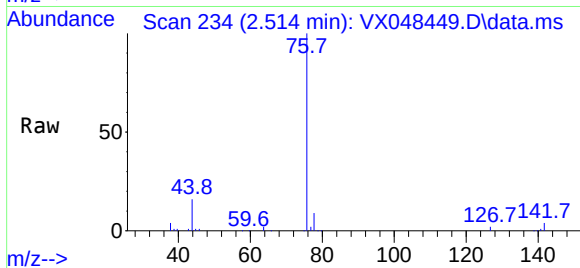






#17  
Carbon Disulfide  
Concen: 16.865 ug/l  
RT: 2.514 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

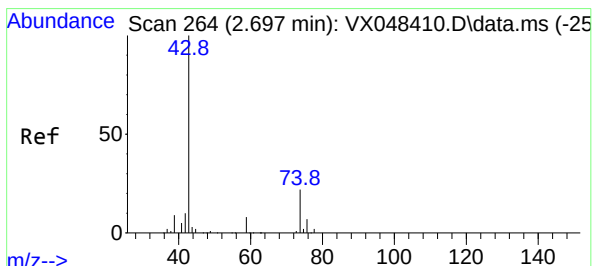
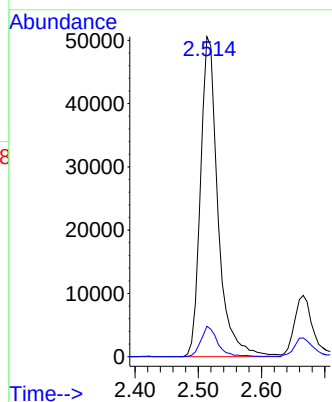
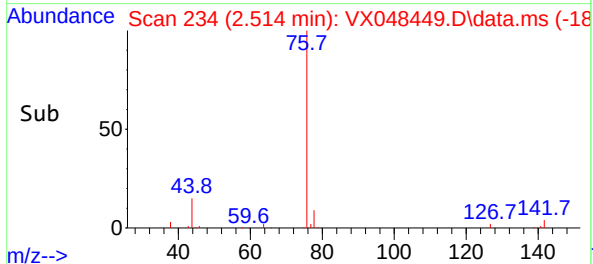
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01



Tgt Ion: 76 Resp: 9717  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.1 10.7

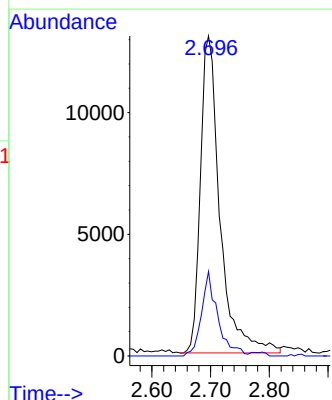
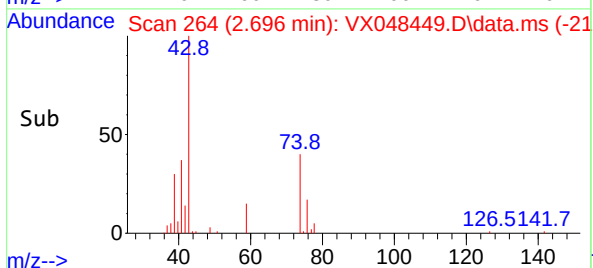
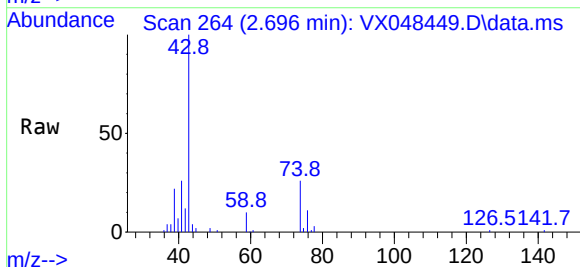
Manual Integrations  
**APPROVED**

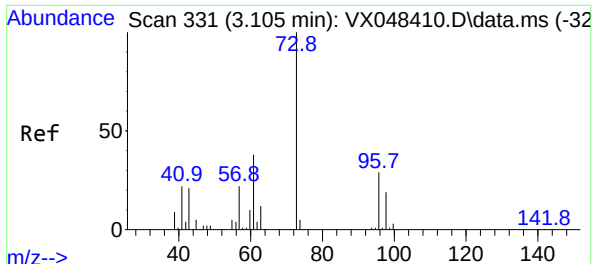
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#18  
Methyl Acetate  
Concen: 15.962 ug/l  
RT: 2.696 min Scan# 264  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Tgt Ion: 43 Resp: 30042  
Ion Ratio Lower Upper  
43 100  
74 22.2 17.5 26.3





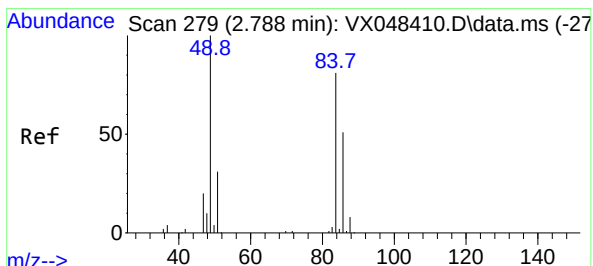
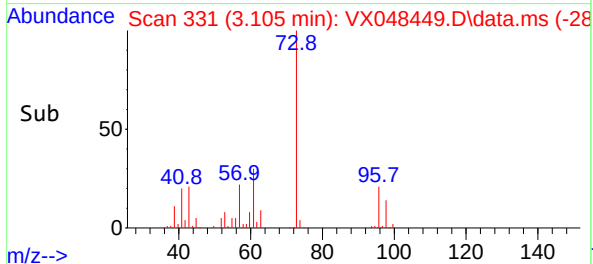
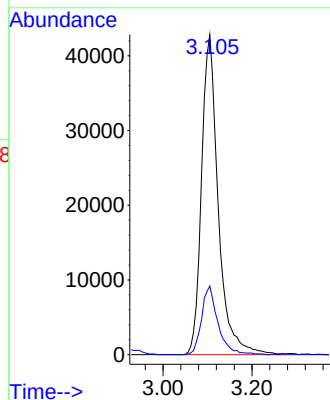
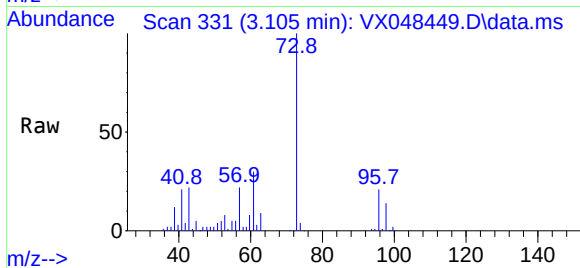
#19  
Methyl tert-butyl Ether  
Concen: 17.429 ug/l  
RT: 3.105 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01

Tgt Ion: 73 Resp: 112152  
Ion Ratio Lower Upper  
73 100  
57 21.5 17.7 26.5

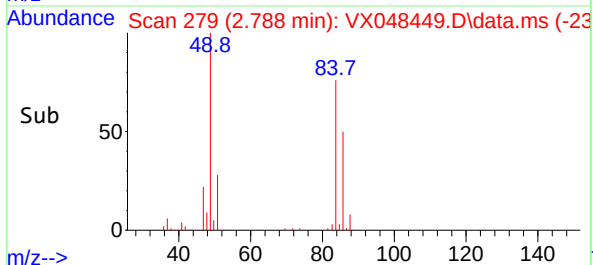
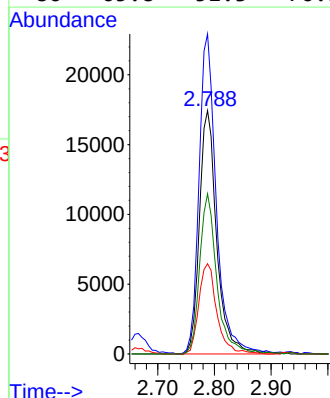
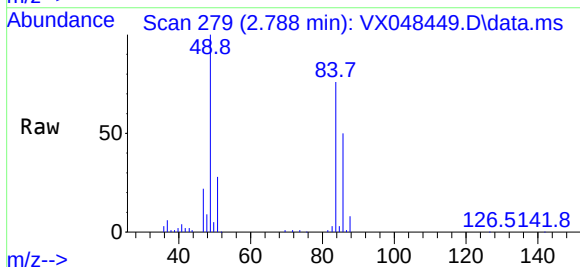
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

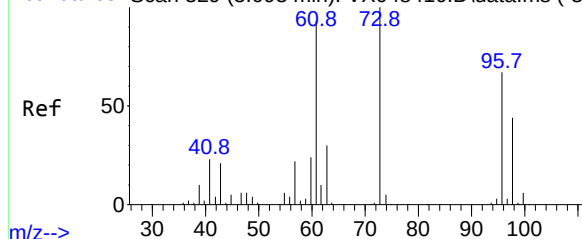


#20  
Methylene Chloride  
Concen: 17.086 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Tgt Ion: 84 Resp: 37062  
Ion Ratio Lower Upper  
84 100  
49 131.5 104.1 156.1  
51 37.1 31.3 46.9  
86 65.8 51.3 76.9



Abundance Scan 329 (3.093 min): VX048410.D\data.ms (-32



#21

trans-1,2-Dichloroethene

Concen: 16.939 ug/l

RT: 3.087 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

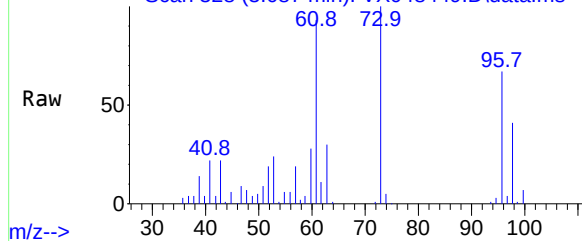
MSVOA\_X

ClientSampleId :

VX1103WBS01

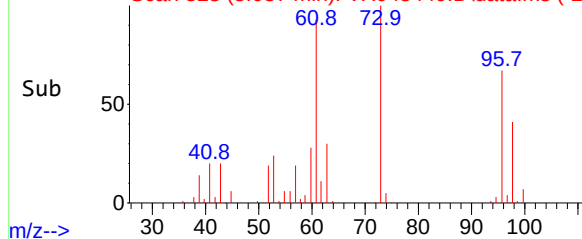
m/z--&gt;

Abundance Scan 328 (3.087 min): VX048449.D\data.ms



m/z--&gt;

Abundance Scan 328 (3.087 min): VX048449.D\data.ms (-28



m/z--&gt;

Tgt Ion: 96 Resp: 3615

Ion Ratio Lower Upper

96 100

61 138.9 111.9 167.9

98 63.2 51.2 76.8

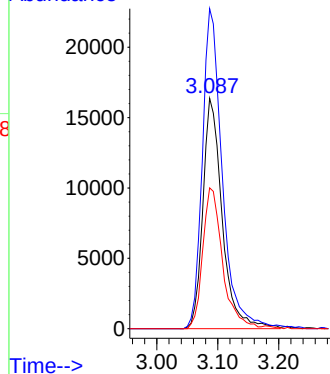
Manual Integrations

APPROVED

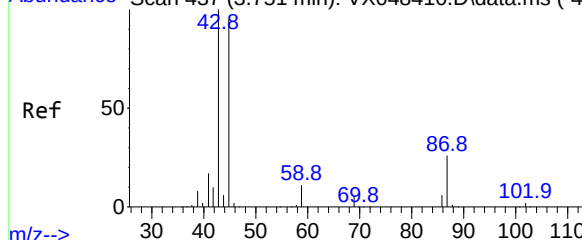
Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

Abundance

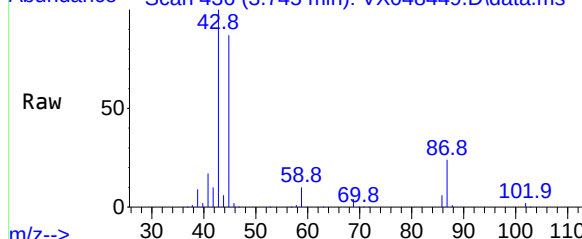


Abundance Scan 437 (3.751 min): VX048410.D\data.ms (-42



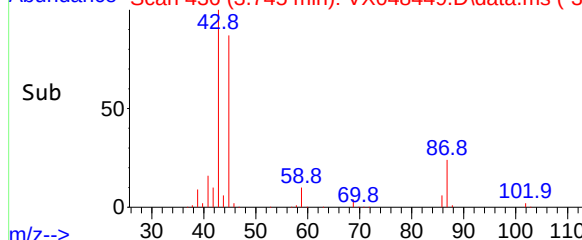
m/z--&gt;

Abundance Scan 436 (3.745 min): VX048449.D\data.ms



m/z--&gt;

Abundance Scan 436 (3.745 min): VX048449.D\data.ms (-38



m/z--&gt;

#22

Diisopropyl ether

Concen: 17.378 ug/l

RT: 3.745 min Scan# 436

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Tgt Ion: 45 Resp: 121046

Ion Ratio Lower Upper

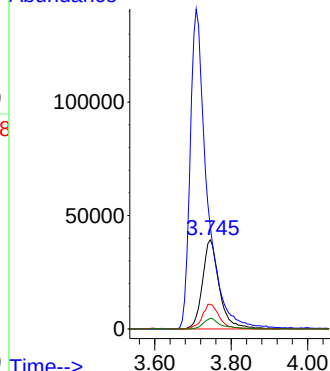
45 100

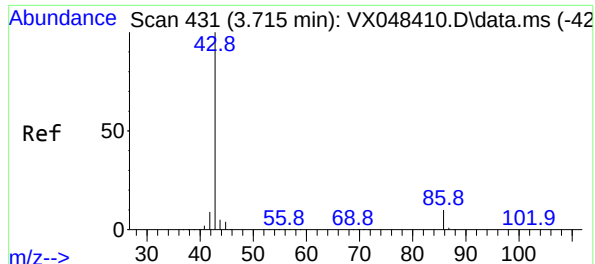
43 113.5 89.8 134.8

87 27.7 20.6 31.0

59 12.0 9.1 13.7

Abundance





#23

Vinyl Acetate

Concen: 91.549 ug/l

RT: 3.708 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 43 Resp: 434078

Ion Ratio Lower Upper

43 100

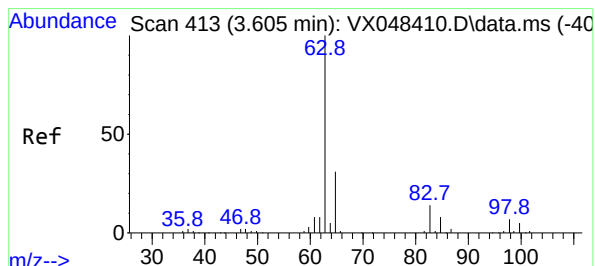
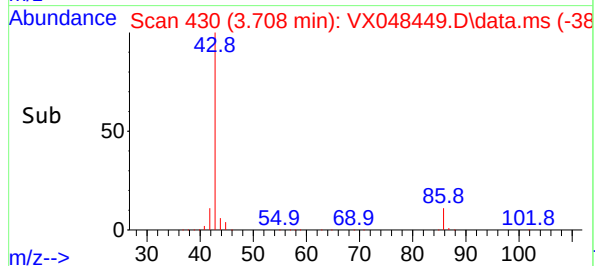
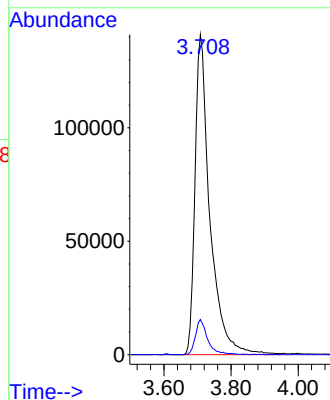
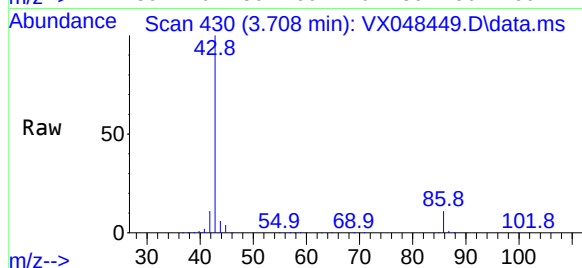
86 11.0 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#24

1,1-Dichloroethane

Concen: 17.358 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

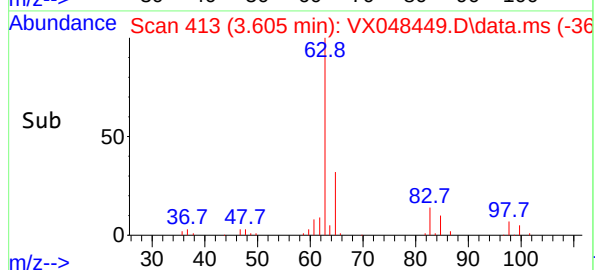
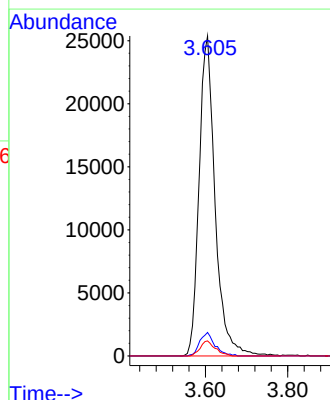
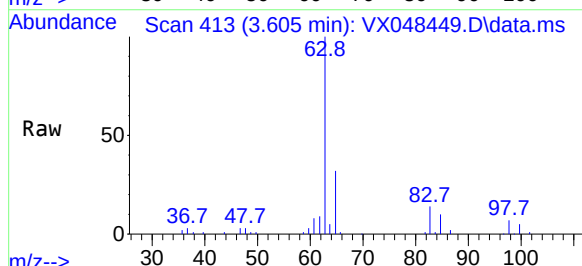
Tgt Ion: 63 Resp: 68616

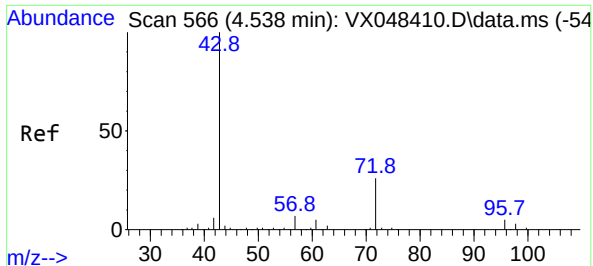
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.6

100 4.7 2.1 6.3





#25

2-Butanone

Concen: 81.958 ug/l

RT: 4.531 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 43 Resp: 73670

Ion Ratio Lower Upper

43 100

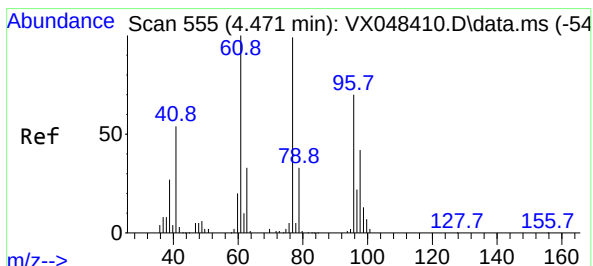
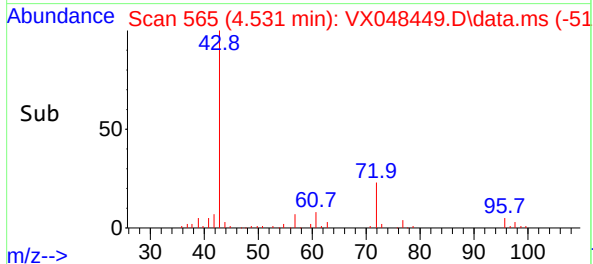
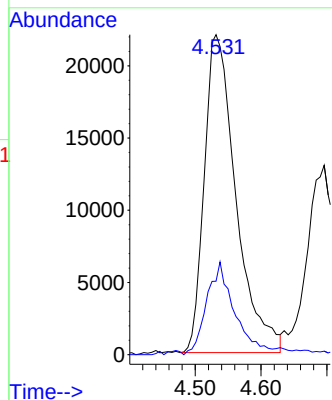
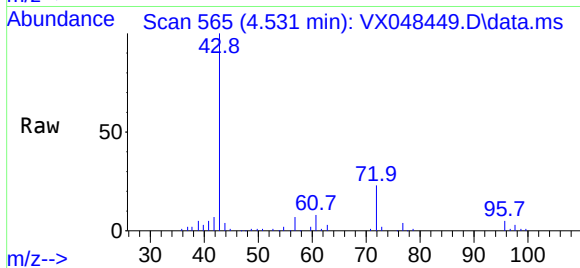
72 21.5 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#26

2,2-Dichloropropane

Concen: 18.169 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX048449.D

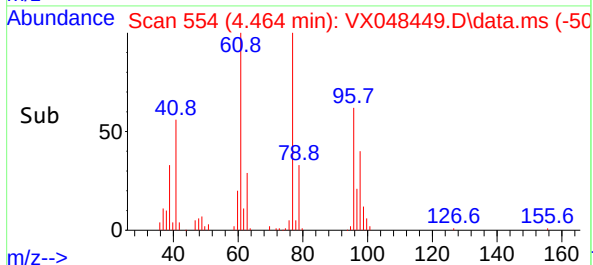
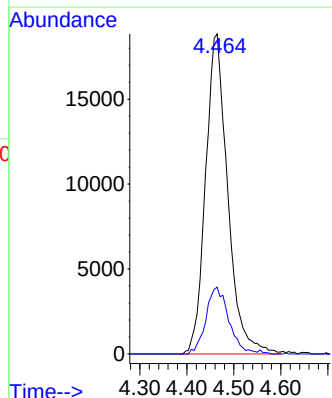
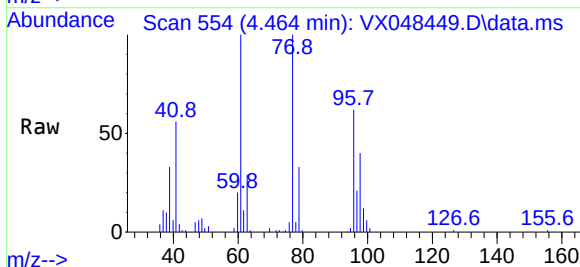
Acq: 03 Nov 2025 12:21

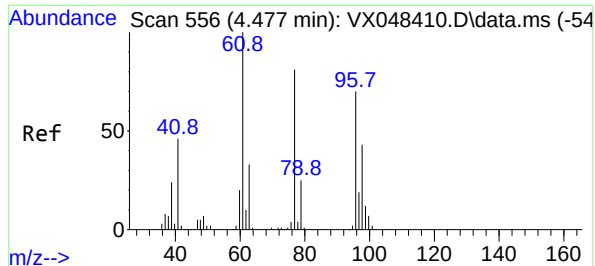
Tgt Ion: 77 Resp: 61839

Ion Ratio Lower Upper

77 100

97 21.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 16.618 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 96 Resp: 4233

Ion Ratio Lower Upper

96 100

61 150.9 0.0 294.2

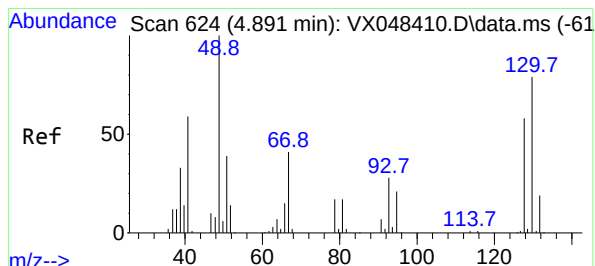
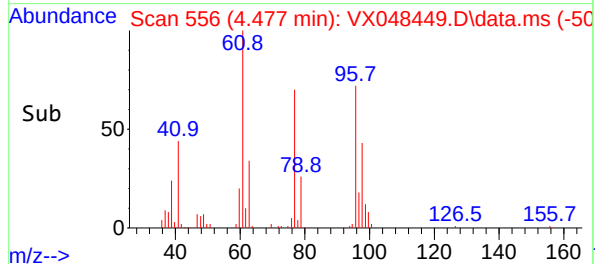
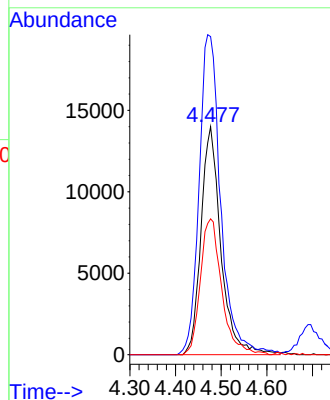
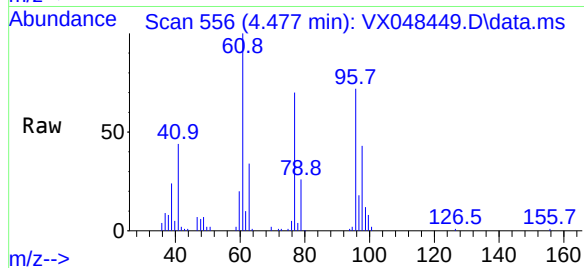
98 64.0 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#28

Bromochloromethane

Concen: 19.347 ug/l

RT: 4.879 min Scan# 622

Delta R.T. -0.012 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

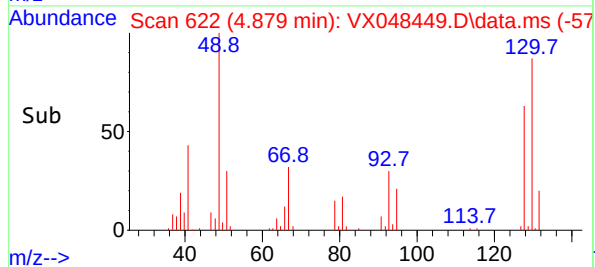
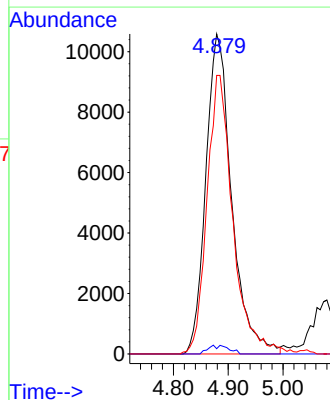
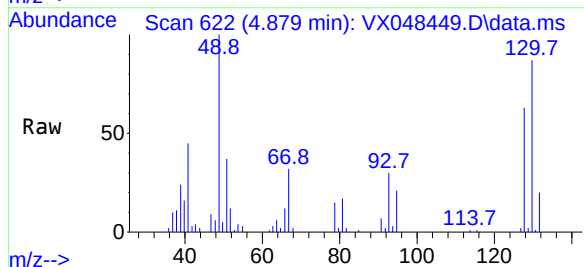
Tgt Ion: 49 Resp: 34659

Ion Ratio Lower Upper

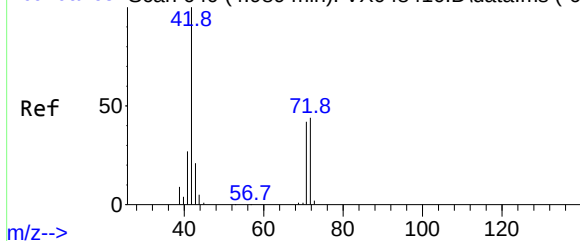
49 100

129 1.0 0.0 4.4

130 87.2 59.3 88.9



Abundance Scan 640 (4.989 min): VX048410.D\data.ms (-62



#29

Tetrahydrofuran

Concen: 92.438 ug/l

RT: 4.983 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 42 Resp: 59178

Ion Ratio Lower Upper

42 100

72 45.6 35.3 52.9

71 42.3 32.2 48.4

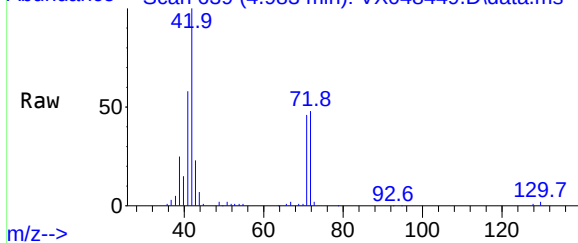
Manual Integrations

APPROVED

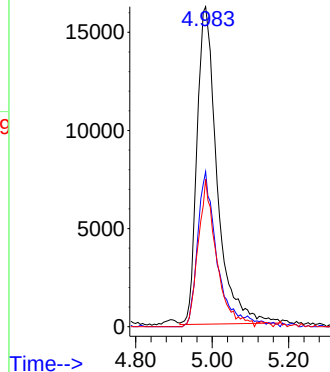
Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

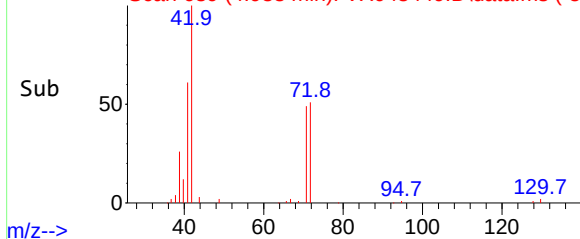
Abundance Scan 639 (4.983 min): VX048449.D\data.ms



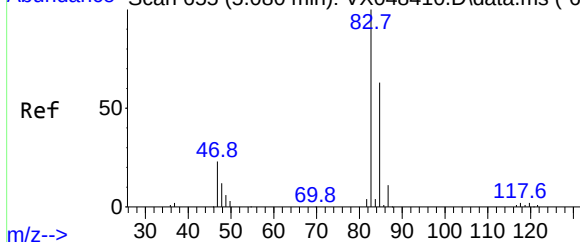
Abundance



Abundance Scan 639 (4.983 min): VX048449.D\data.ms (-59



Abundance Scan 655 (5.080 min): VX048410.D\data.ms (-64



#30

Chloroform

Concen: 18.510 ug/l

RT: 5.074 min Scan# 654

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

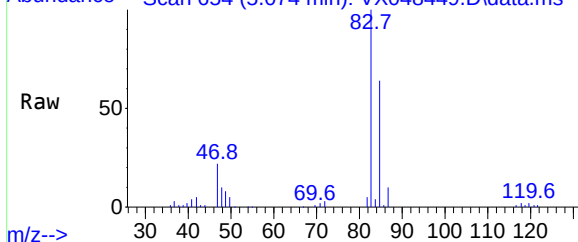
Tgt Ion: 83 Resp: 75267

Ion Ratio Lower Upper

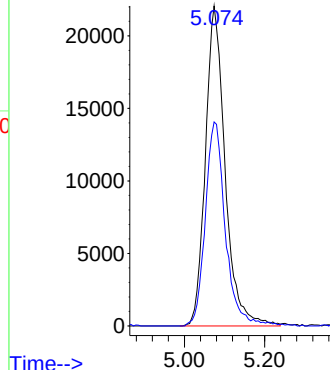
83 100

85 63.8 50.1 75.1

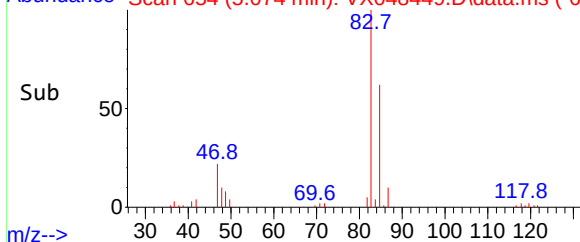
Abundance Scan 654 (5.074 min): VX048449.D\data.ms

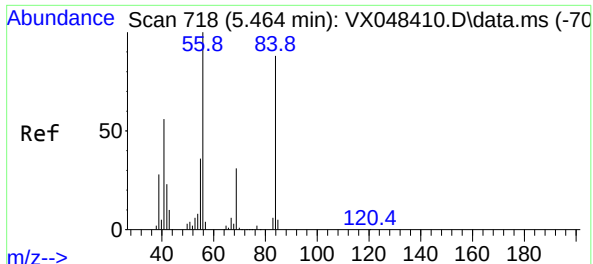


Abundance



Abundance Scan 654 (5.074 min): VX048449.D\data.ms (-60





#31

Cyclohexane

Concen: 19.658 ug/l

RT: 5.458 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 56 Resp: 6745

Ion Ratio Lower Upper

56 100

69 30.4 23.0 34.6

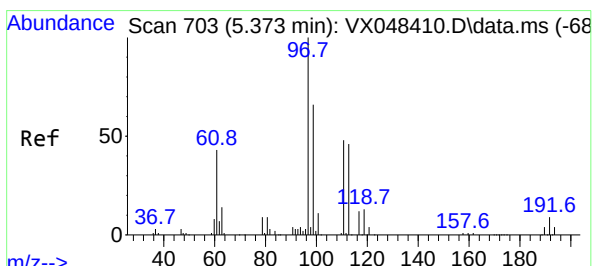
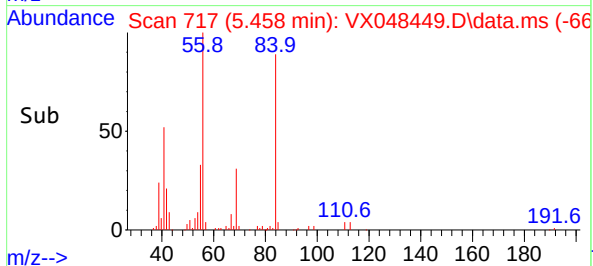
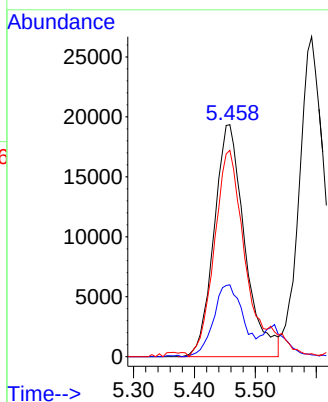
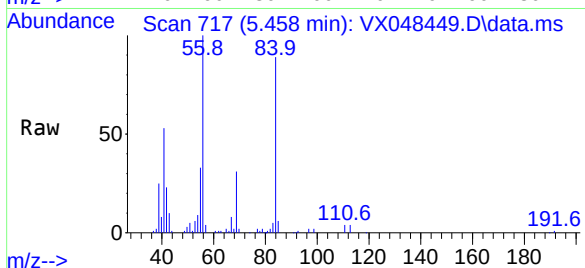
84 87.4 64.6 97.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#32

1,1,1-Trichloroethane

Concen: 19.942 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

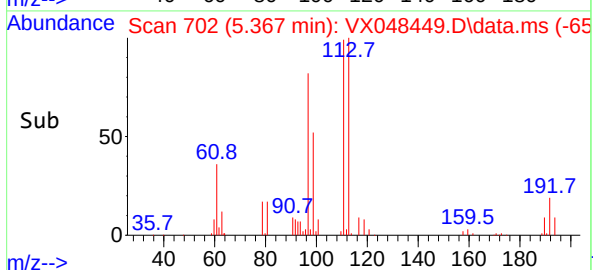
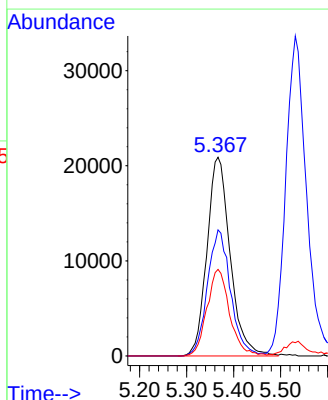
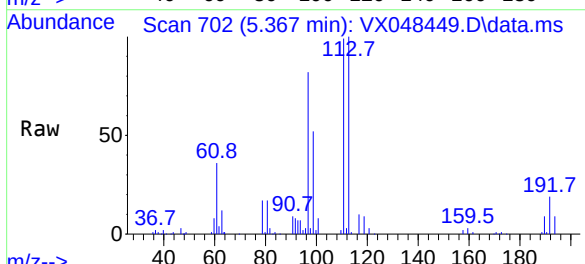
Tgt Ion: 97 Resp: 71589

Ion Ratio Lower Upper

97 100

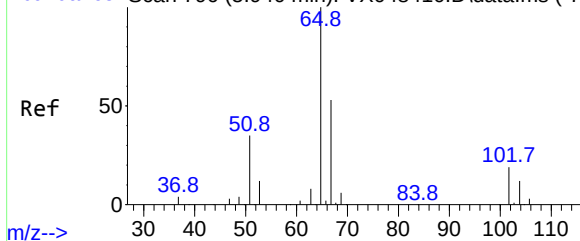
99 63.2 51.7 77.5

61 42.6 34.8 52.2





Abundance Scan 796 (5.940 min): VX048410.D\data.ms (-78



#33

1,2-Dichloroethane-d4

Concen: 49.081 ug/l

RT: 5.934 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 65 Resp: 121860

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.0

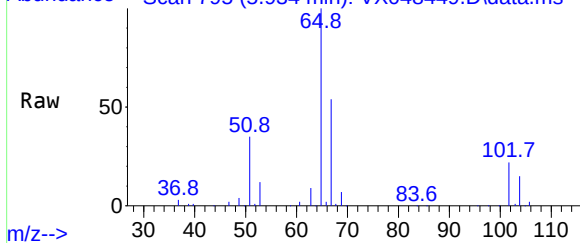
Manual Integrations

APPROVED

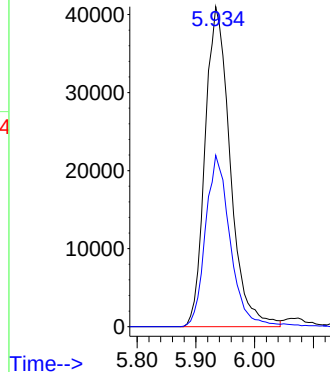
Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

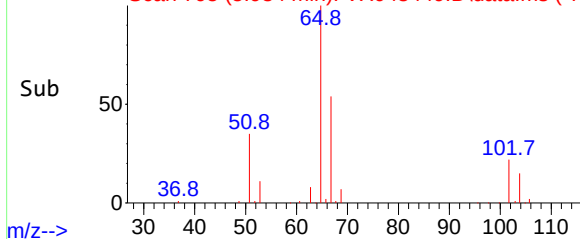
Abundance Scan 795 (5.934 min): VX048449.D\data.ms



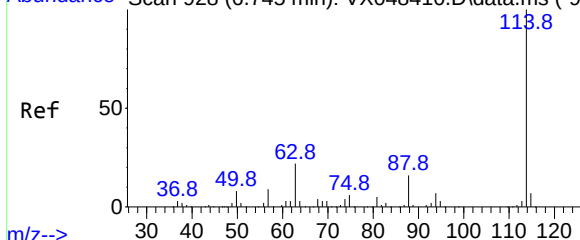
Abundance



Abundance Scan 795 (5.934 min): VX048449.D\data.ms (-74



Abundance Scan 928 (6.745 min): VX048410.D\data.ms (-91



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.738 min Scan# 927

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Tgt Ion:114 Resp: 288363

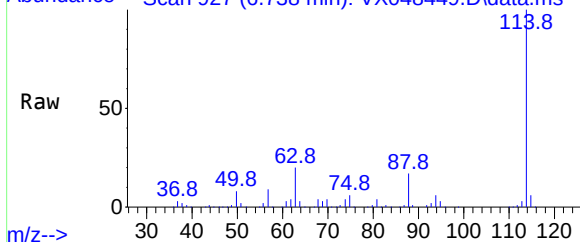
Ion Ratio Lower Upper

114 100

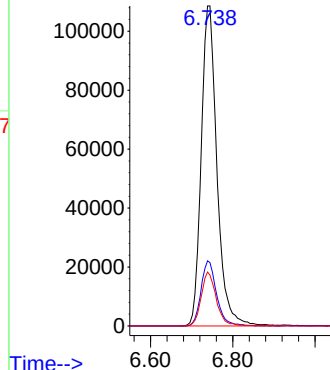
63 20.3 0.0 43.2

88 16.8 0.0 33.6

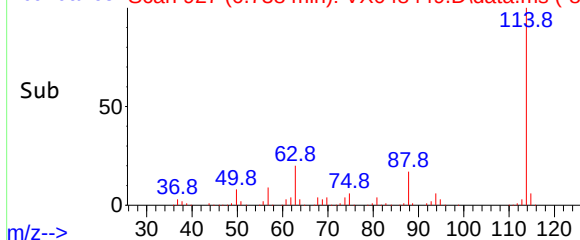
Abundance Scan 927 (6.738 min): VX048449.D\data.ms

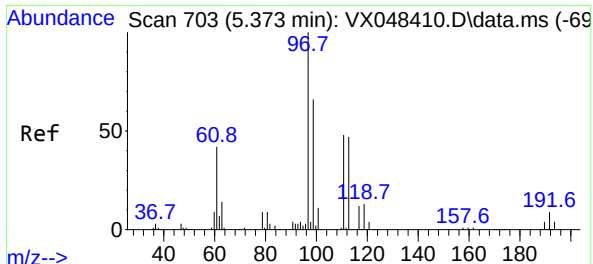


Abundance



Abundance Scan 927 (6.738 min): VX048449.D\data.ms (-87





#35

Dibromofluoromethane

Concen: 50.685 ug/l

RT: 5.367 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

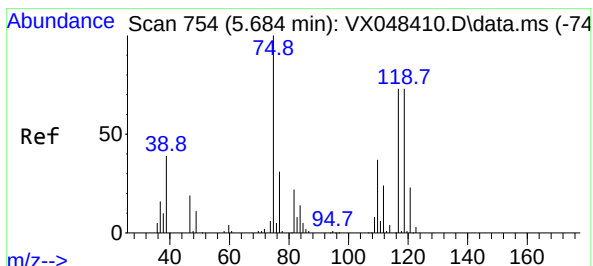
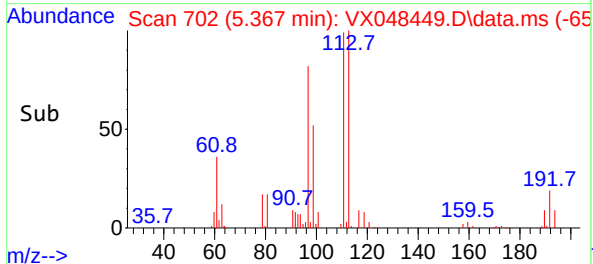
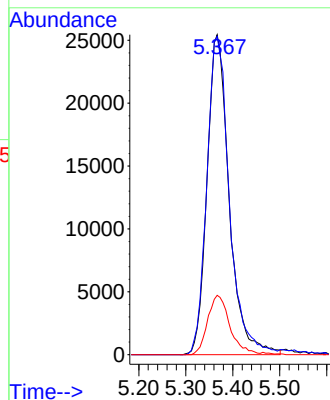
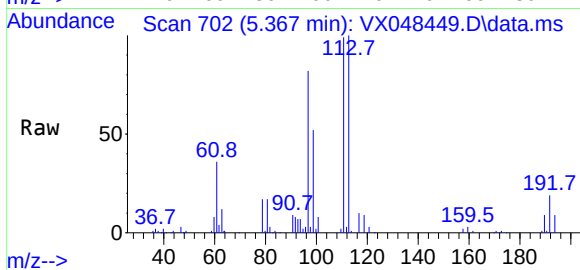
Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

| Tgt Ion: | 113   | Resp: | 83329 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.3 | 82.2  | 123.4 |
| 192      | 18.6  | 15.1  | 22.7  |

Manual Integrations  
**APPROVED**Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

#36

1,1-Dichloropropene

Concen: 18.830 ug/l

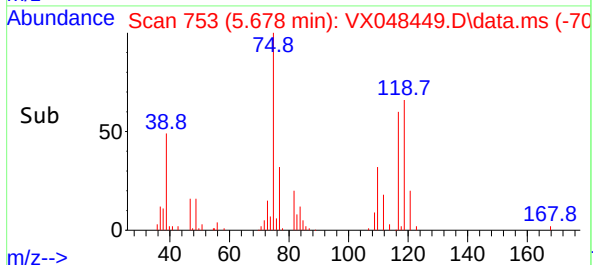
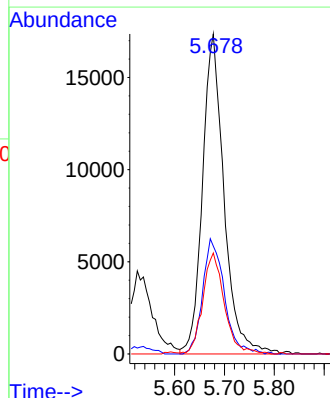
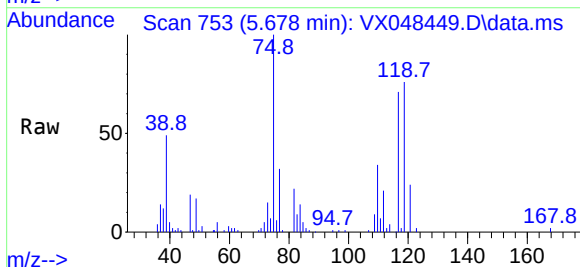
RT: 5.678 min Scan# 753

Delta R.T. -0.006 min

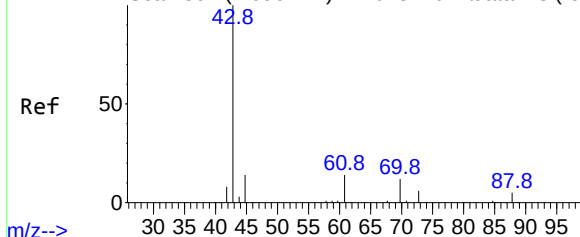
Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

| Tgt Ion: | 75    | Resp: | 51987 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 36.4  | 17.7  | 53.1  |
| 77       | 31.7  | 24.3  | 36.5  |



Abundance Scan 592 (4.696 min): VX048410.D\data.ms (-58



#37

Ethyl Acetate

Concen: 16.144 ug/l

RT: 4.696 min Scan# 592

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

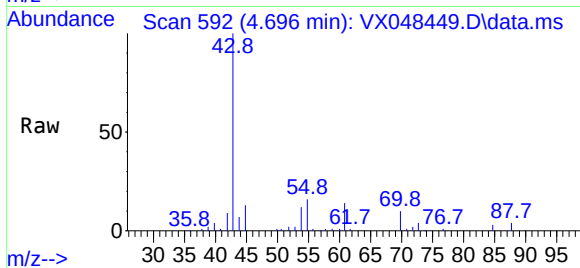
VX1103WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 37974 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 14.6  | 10.6  | 15.8  |
| 70       | 11.9  | 7.8   | 11.6  |

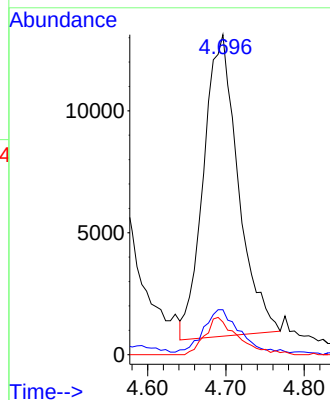
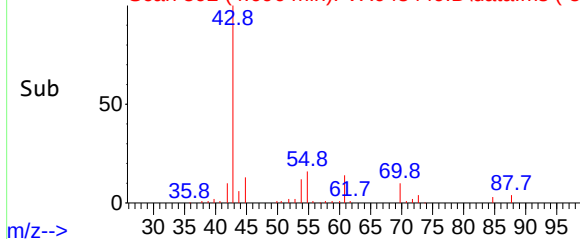
Manual Integrations

APPROVED

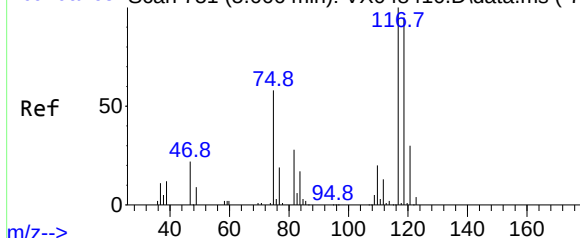
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



Abundance Scan 592 (4.696 min): VX048449.D\data.ms (-54



Abundance Scan 751 (5.666 min): VX048410.D\data.ms (-73



#38

Carbon Tetrachloride

Concen: 18.657 ug/l

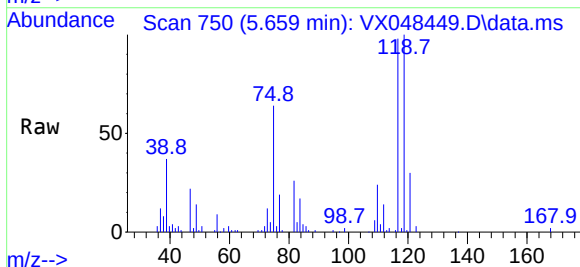
RT: 5.659 min Scan# 750

Delta R.T. -0.006 min

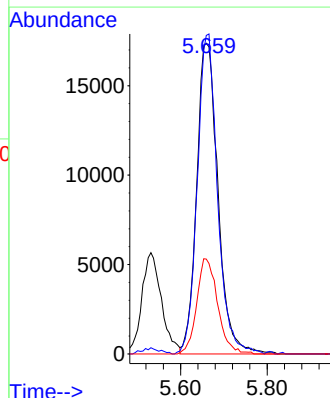
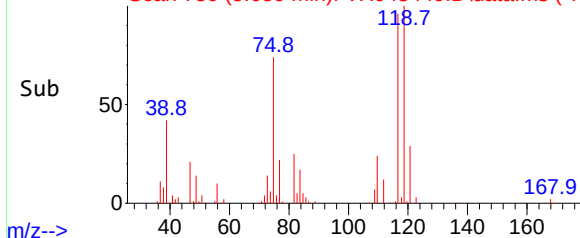
Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

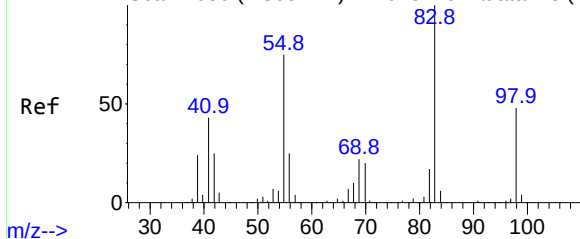
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 59473 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 102.2 | 77.2  | 115.8 |
| 121      | 30.6  | 24.8  | 37.2  |



Abundance Scan 750 (5.659 min): VX048449.D\data.ms (-70



Abundance Scan 1030 (7.366 min): VX048410.D\data.ms (-1



#39

Methylcyclohexane

Concen: 16.561 ug/l

RT: 7.360 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

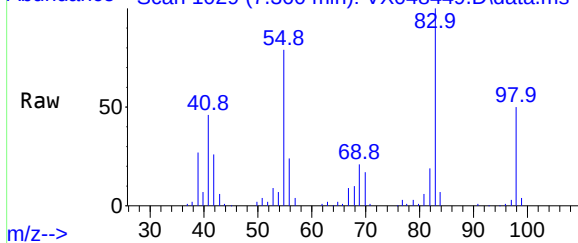
ClientSampleId :

VX1103WBS01

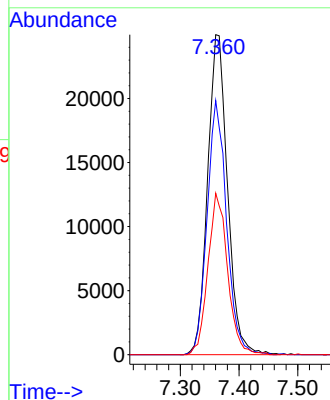
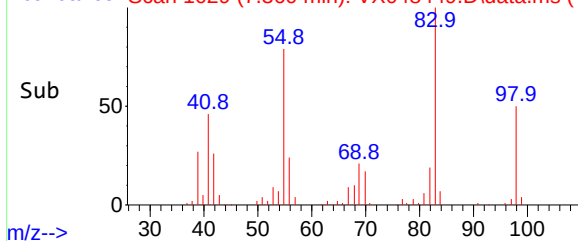
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 83    | Resp: | 5879 |
| Ion Ratio | Lower | Upper |      |
| 83        | 100   |       |      |
| 55        | 79.4  | 66.2  | 99.2 |
| 98        | 50.5  | 38.9  | 58.3 |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

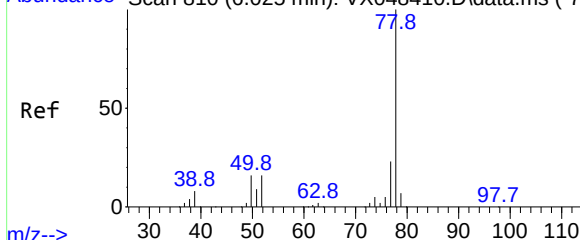
Abundance Scan 1029 (7.360 min): VX048449.D\data.ms



Abundance Scan 1029 (7.360 min): VX048449.D\data.ms (-9



Abundance Scan 810 (6.025 min): VX048410.D\data.ms (-79



#40

Benzene

Concen: 19.235 ug/l

RT: 6.019 min Scan# 809

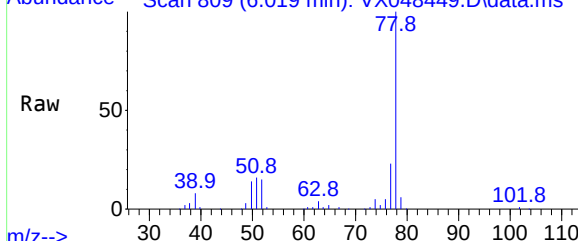
Delta R.T. -0.006 min

Lab File: VX048449.D

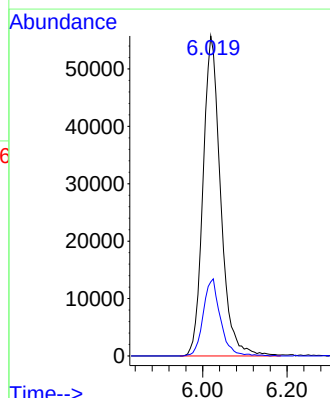
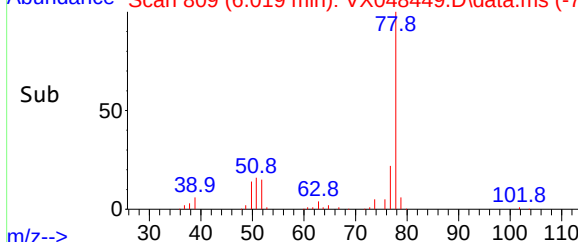
Acq: 03 Nov 2025 12:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 78    | Resp: | 162239 |
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.1  | 19.3  | 28.9   |

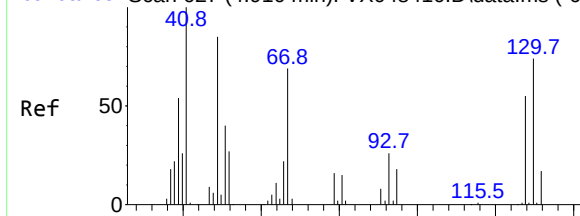
Abundance Scan 809 (6.019 min): VX048449.D\data.ms



Abundance Scan 809 (6.019 min): VX048449.D\data.ms (-76

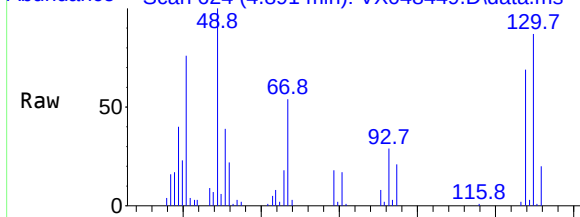


Abundance Scan 627 (4.910 min): VX048410.D\data.ms (-61



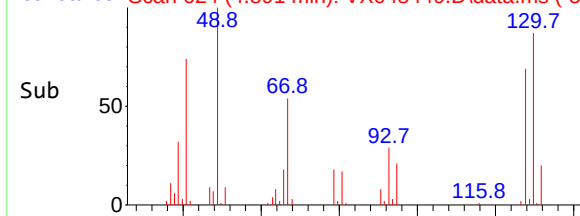
m/z--&gt;

Abundance Scan 624 (4.891 min): VX048449.D\data.ms



m/z--&gt;

Abundance Scan 624 (4.891 min): VX048449.D\data.ms (-57



m/z--&gt;

#41

Methacrylonitrile

Concen: 19.335 ug/l

RT: 4.891 min Scan# 61

Delta R.T. -0.018 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Tgt Ion: 41 Resp: 2290

Ion Ratio Lower Upper

41 100

39 55.4 44.0 66.0

67 83.7 58.7 88.1

52 32.2 25.9 38.9

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

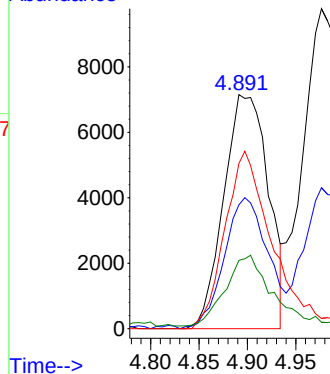
Manual Integrations

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Reviewed By :Mahesh Dadoda 11/04/2025

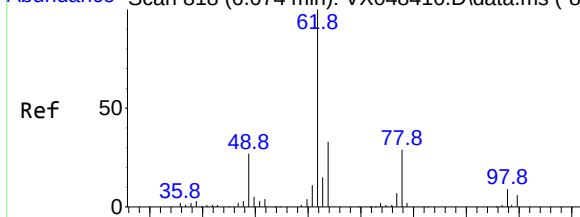
Supervised By :mohammad ahmed 11/04/2025

Abundance



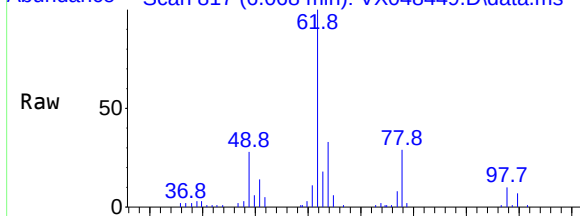
Time--&gt;

Abundance Scan 818 (6.074 min): VX048410.D\data.ms (-80



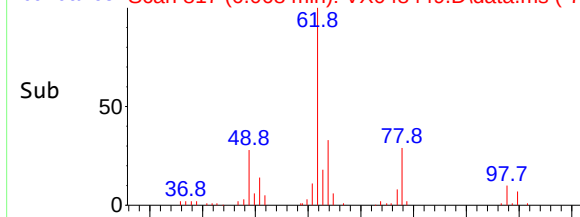
m/z--&gt;

Abundance Scan 817 (6.068 min): VX048449.D\data.ms



m/z--&gt;

Abundance Scan 817 (6.068 min): VX048449.D\data.ms (-76



m/z--&gt;

#42

1,2-Dichloroethane

Concen: 18.208 ug/l

RT: 6.068 min Scan# 817

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

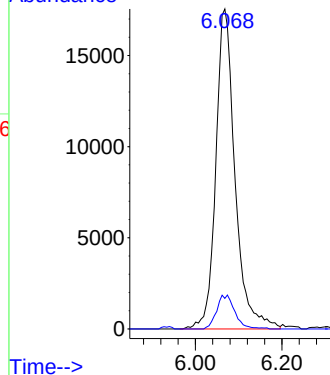
Tgt Ion: 62 Resp: 54093

Ion Ratio Lower Upper

62 100

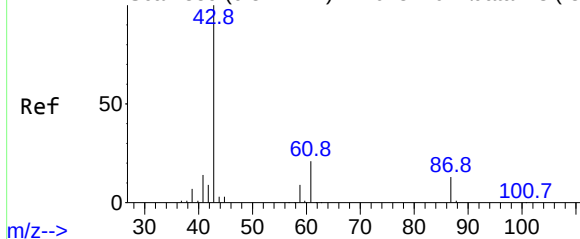
98 10.1 0.0 17.2

Abundance



Time--&gt;

Abundance Scan 859 (6.324 min): VX048410.D\data.ms (-84



#43

Isopropyl Acetate

Concen: 17.300 ug/l

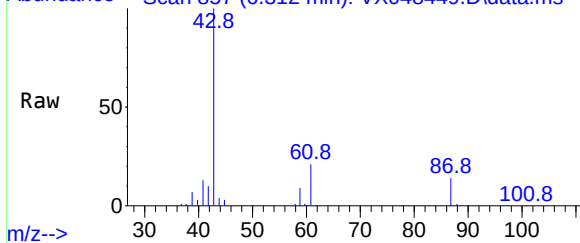
RT: 6.312 min Scan# 857

Delta R.T. -0.012 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Abundance Scan 857 (6.312 min): VX048449.D\data.ms



Tgt Ion: 43 Resp: 6718

Ion Ratio Lower Upper

43 100

61 20.9 14.9 22.3

87 13.5 9.4 14.2

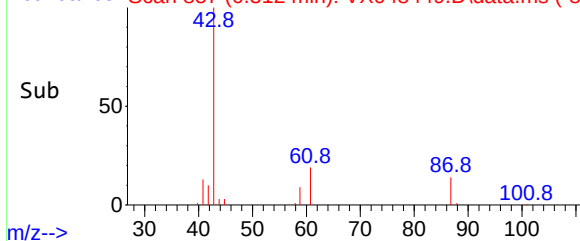
Manual Integrations

APPROVED

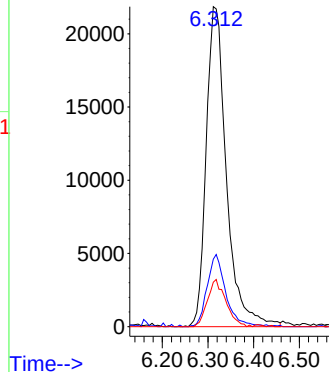
Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

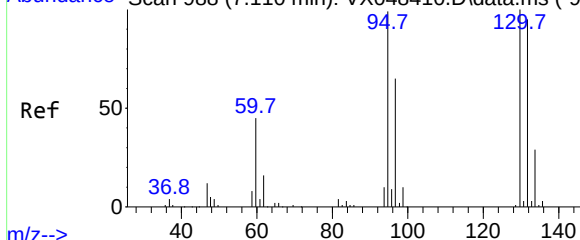
Abundance Scan 857 (6.312 min): VX048449.D\data.ms (-81



Abundance



Abundance Scan 988 (7.110 min): VX048410.D\data.ms (-97



#44

Trichloroethene

Concen: 17.463 ug/l

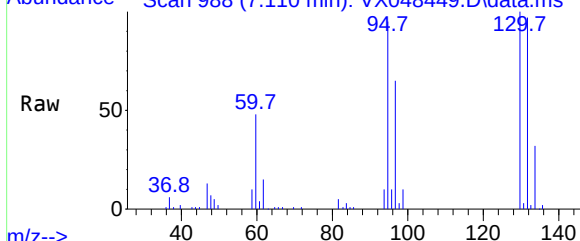
RT: 7.110 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Abundance Scan 988 (7.110 min): VX048449.D\data.ms



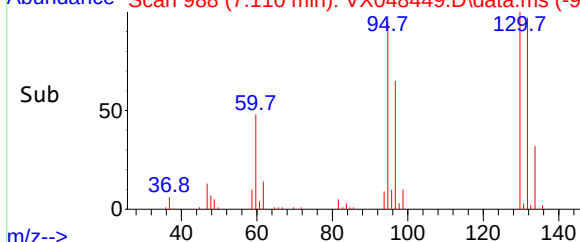
Tgt Ion:130 Resp: 38591

Ion Ratio Lower Upper

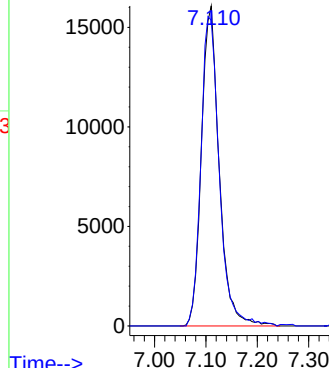
130 100

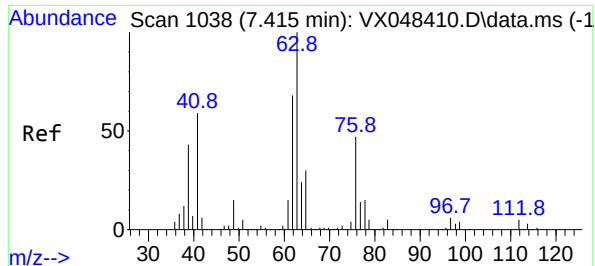
95 95.5 0.0 200.6

Abundance Scan 988 (7.110 min): VX048449.D\data.ms (-93



Abundance





#45

1,2-Dichloropropane

Concen: 17.059 ug/l

RT: 7.409 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 63 Resp: 3593

Ion Ratio Lower Upper

63 100

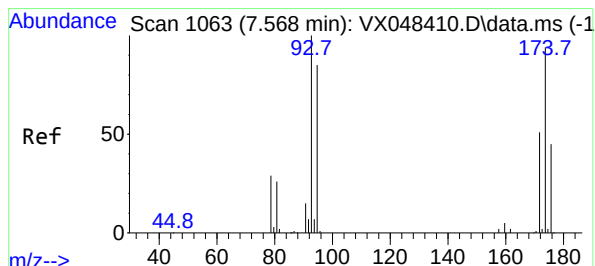
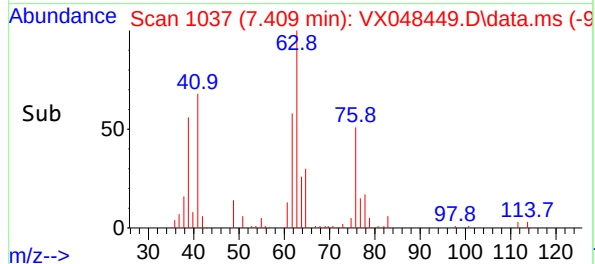
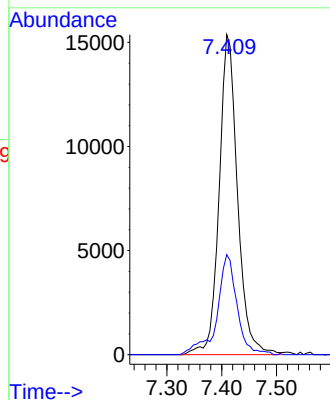
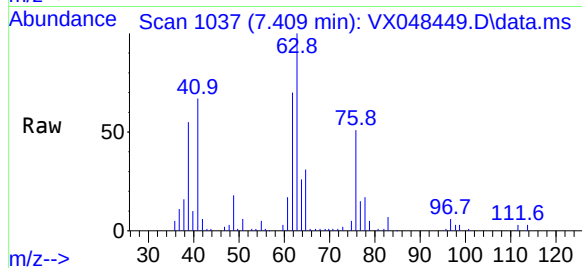
65 31.3 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#46

Dibromomethane

Concen: 18.074 ug/l

RT: 7.561 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

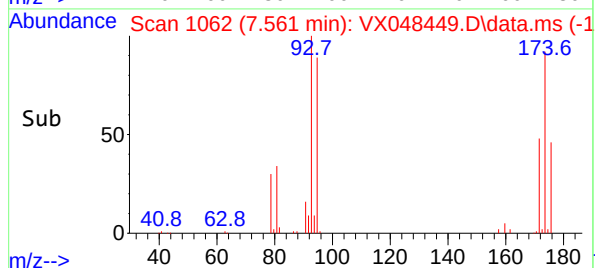
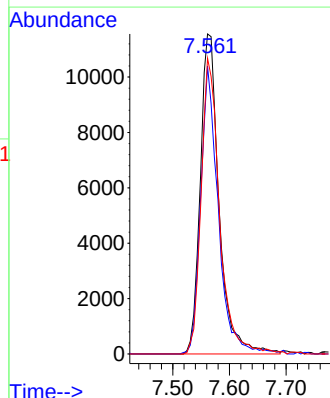
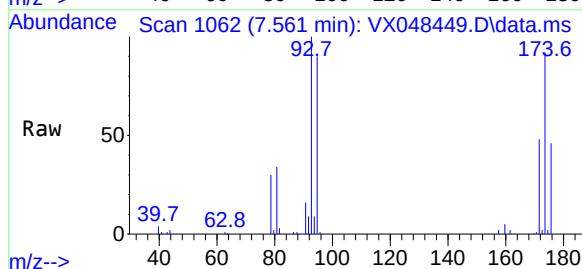
Tgt Ion: 93 Resp: 26652

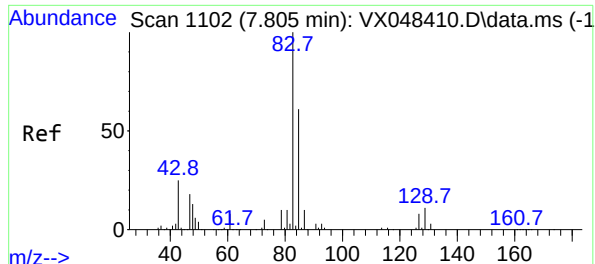
Ion Ratio Lower Upper

93 100

95 84.5 65.9 98.9

174 90.9 71.7 107.5





#47

Bromodichloromethane

Concen: 18.338 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

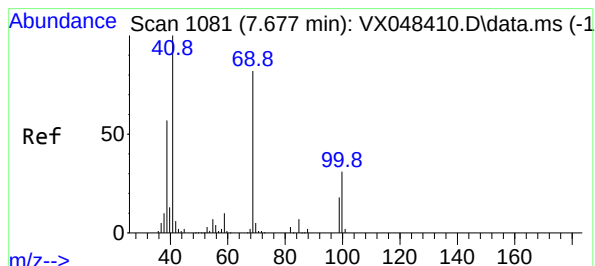
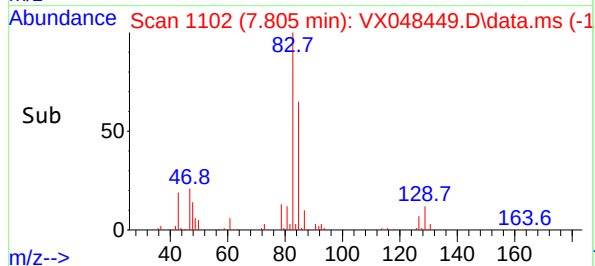
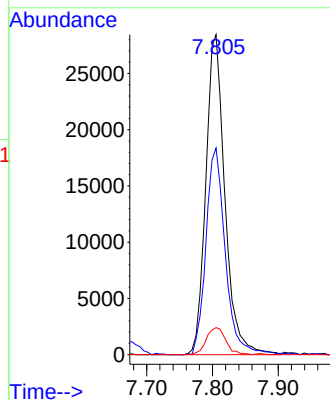
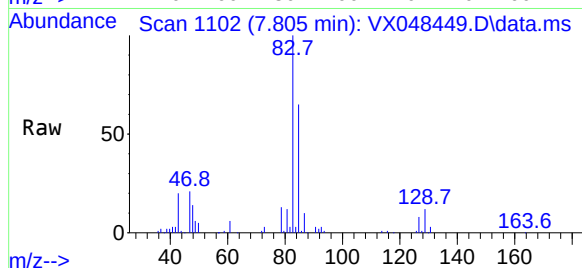
VX1103WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 5745  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.6  | 52.2  | 78.4  |
| 127      | 8.5   | 7.3   | 10.9  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#48

Methyl methacrylate

Concen: 17.420 ug/l

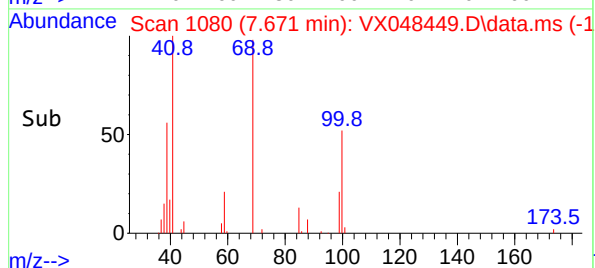
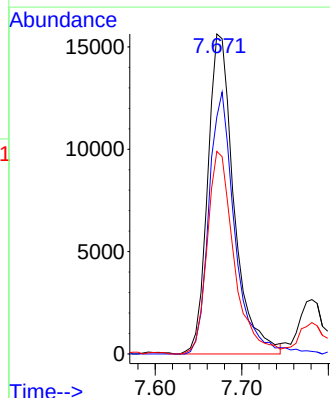
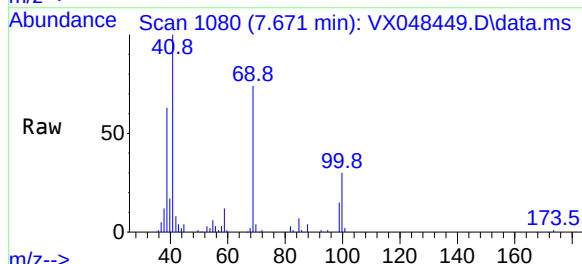
RT: 7.671 min Scan# 1080

Delta R.T. -0.006 min

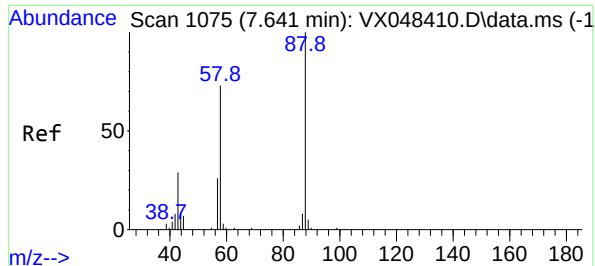
Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 32991 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 80.8  | 63.4  | 95.0  |
| 39       | 64.3  | 47.1  | 70.7  |







#49

1,4-Dioxane

Concen: 316.132 ug/l

RT: 7.641 min Scan# 1075

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

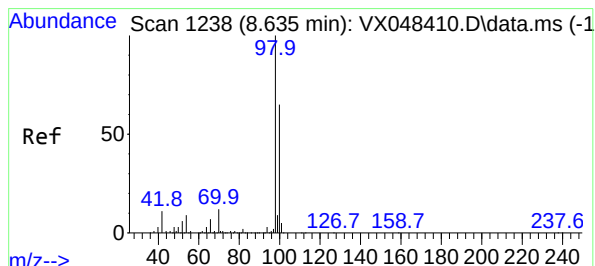
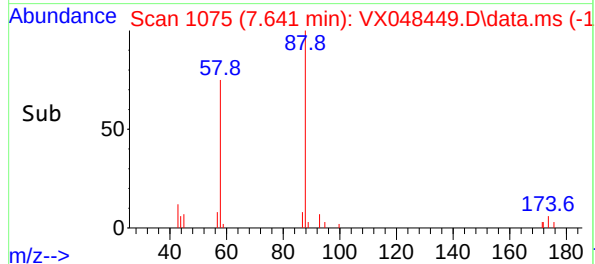
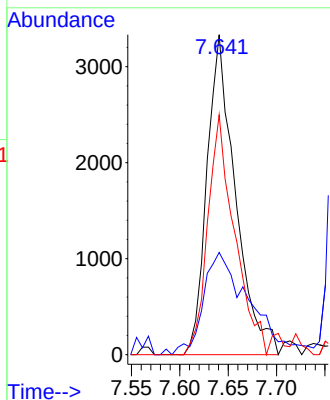
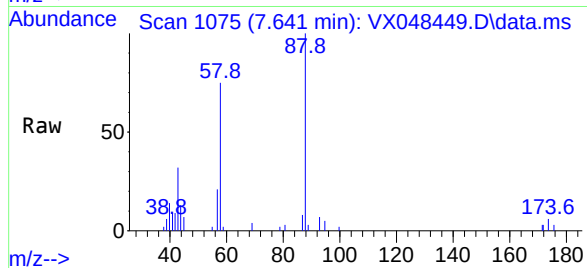
ClientSampleId :

VX1103WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 680   |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 52.6  | 35.0  | 52.4  |
| 58       | 70.8  | 61.9  | 92.9  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#50

Toluene-d8

Concen: 43.836 ug/l

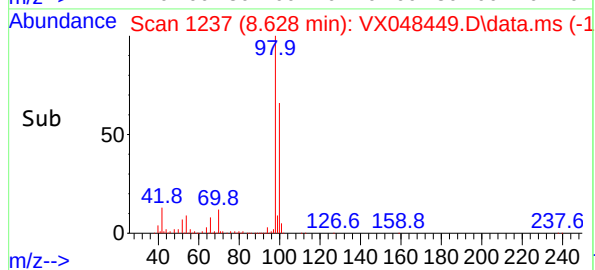
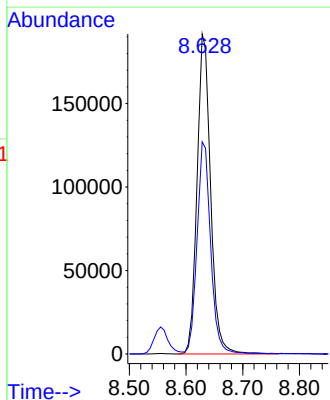
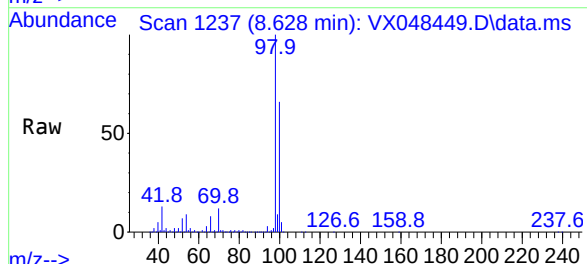
RT: 8.628 min Scan# 1237

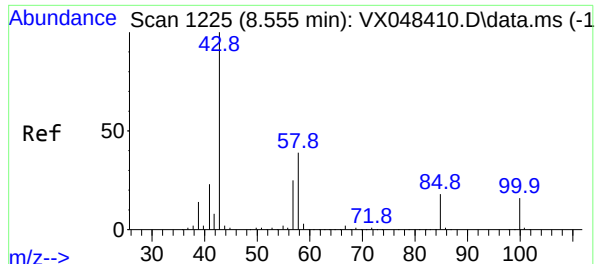
Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 318132 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 66.5  | 53.0  | 79.4   |





#51

4-Methyl-2-Pentanone

Concen: 86.596 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 43 Resp: 18715

Ion Ratio Lower Upper

43 100

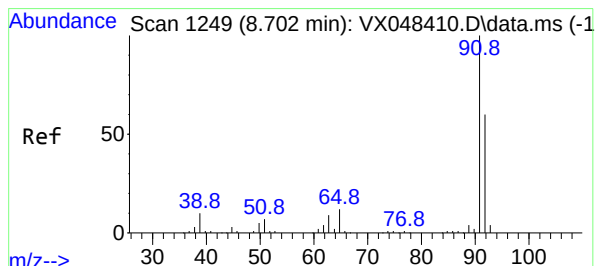
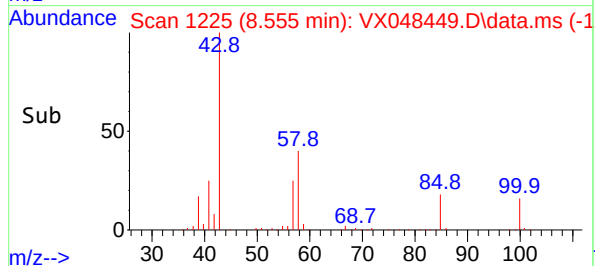
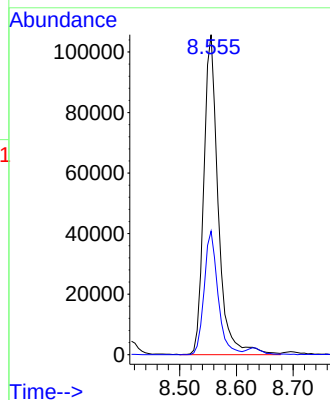
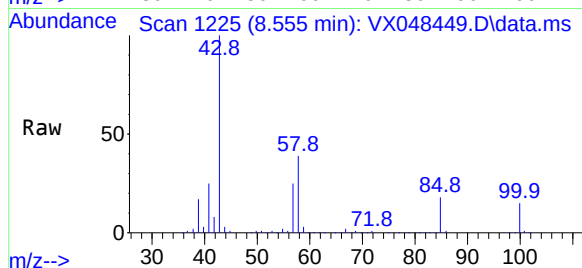
58 36.9 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#52

Toluene

Concen: 17.597 ug/l

RT: 8.701 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VX048449.D

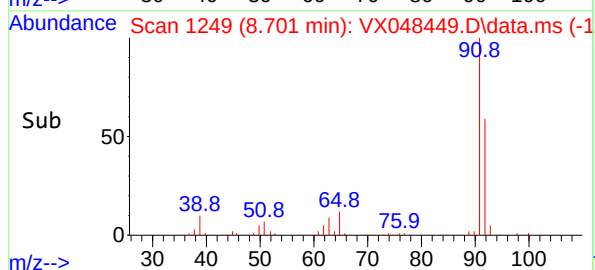
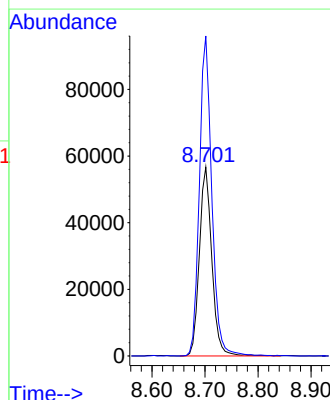
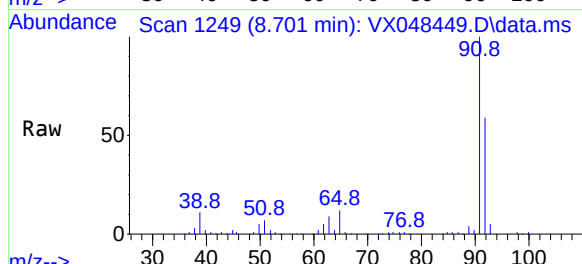
Acq: 03 Nov 2025 12:21

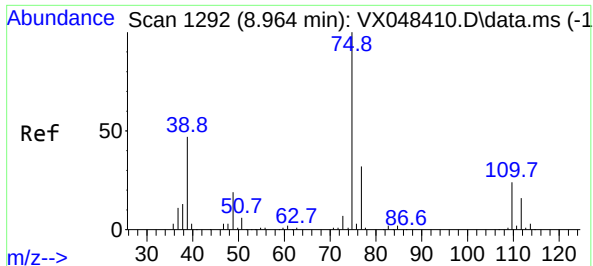
Tgt Ion: 92 Resp: 92741

Ion Ratio Lower Upper

92 100

91 168.3 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 18.954 ug/l

RT: 8.964 min Scan# 1191

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 75 Resp: 53828

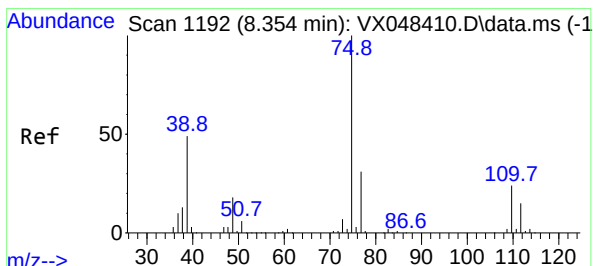
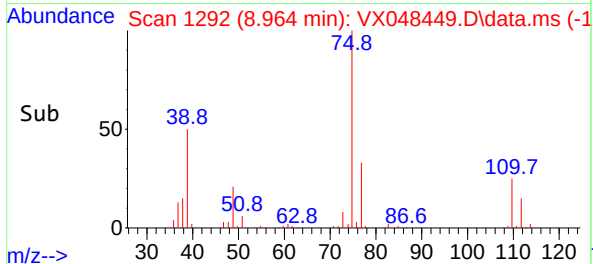
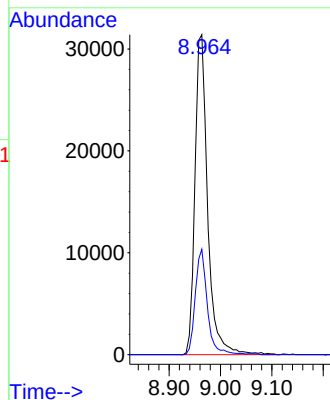
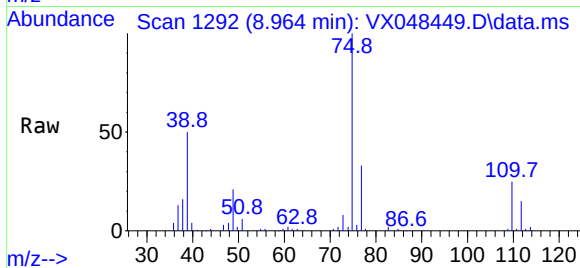
Ion Ratio Lower Upper

75 100

77 32.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

#54

cis-1,3-Dichloropropene

Concen: 18.447 ug/l

RT: 8.348 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

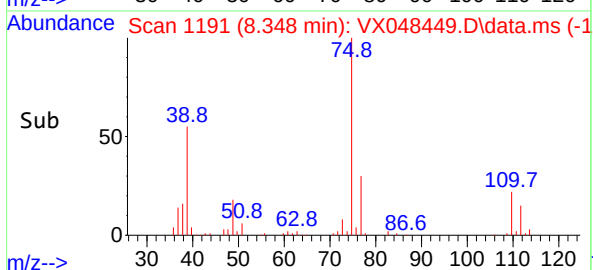
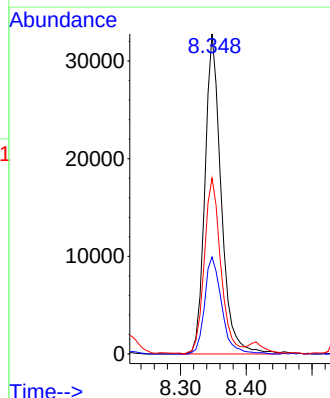
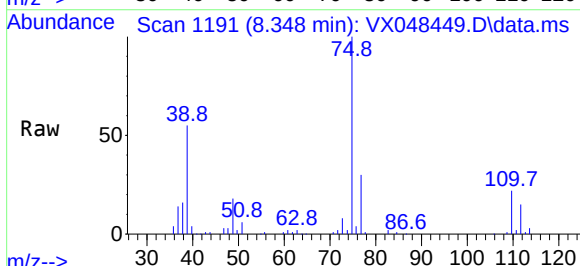
Tgt Ion: 75 Resp: 56442

Ion Ratio Lower Upper

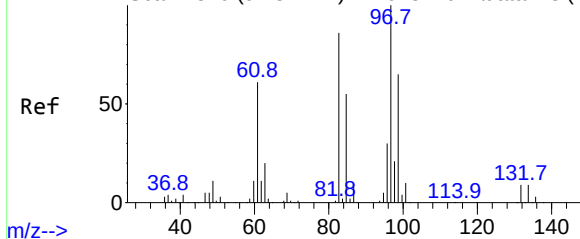
75 100

77 30.3 24.9 37.3

39 54.6 42.6 64.0



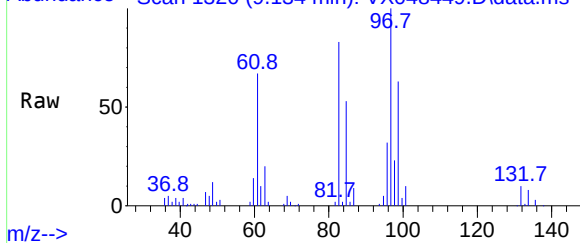
Abundance Scan 1320 (9.134 min): VX048410.D\data.ms (-1



#55  
1,1,2-Trichloroethane  
Concen: 17.981 ug/l  
RT: 9.134 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01

Abundance Scan 1320 (9.134 min): VX048449.D\data.ms

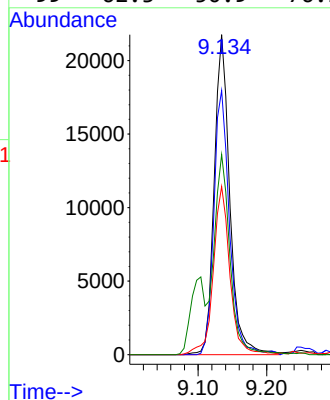
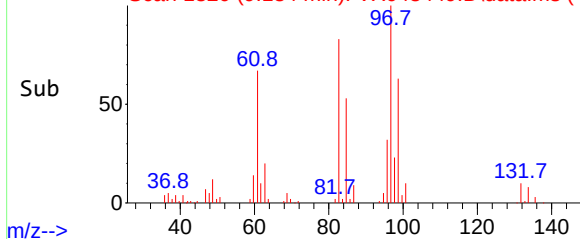


Tgt Ion: 97 Resp: 3429  
Ion Ratio Lower Upper  
97 100  
83 82.6 70.6 105.8  
85 52.5 45.0 67.6  
99 62.3 50.9 76.3

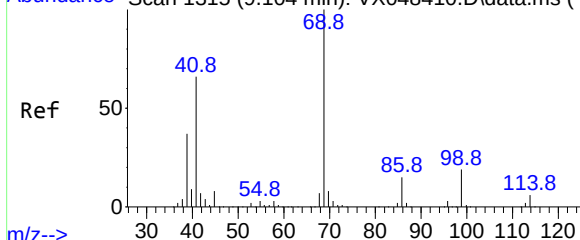
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

Abundance Scan 1320 (9.134 min): VX048449.D\data.ms (-1



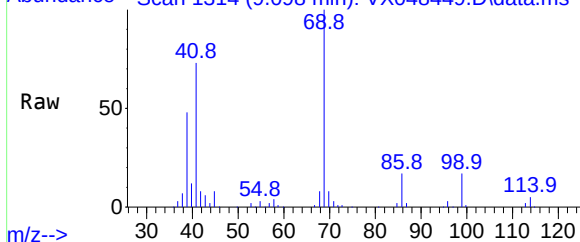
Abundance Scan 1315 (9.104 min): VX048410.D\data.ms (-1



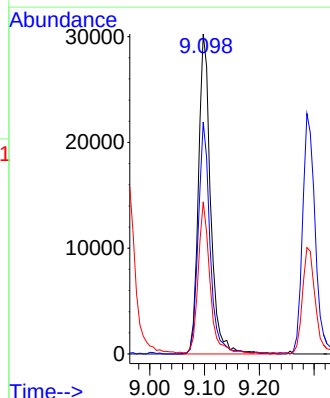
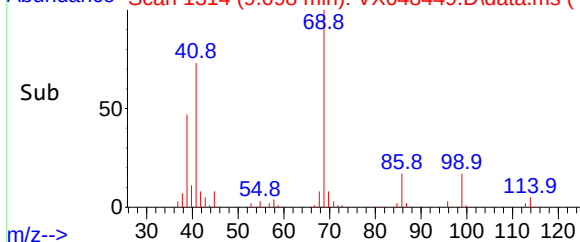
#56  
Ethyl methacrylate  
Concen: 16.775 ug/l  
RT: 9.098 min Scan# 1314  
Delta R.T. -0.006 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

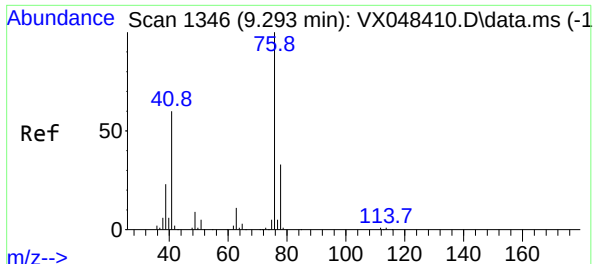
Tgt Ion: 69 Resp: 46849  
Ion Ratio Lower Upper  
69 100  
41 70.2 56.0 84.0  
39 45.3 31.6 47.4

Abundance Scan 1314 (9.098 min): VX048449.D\data.ms



Abundance Scan 1314 (9.098 min): VX048449.D\data.ms (-1





#57

1,3-Dichloropropane

Concen: 17.497 ug/l

RT: 9.293 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 76 Resp: 5786

Ion Ratio Lower Upper

76 100

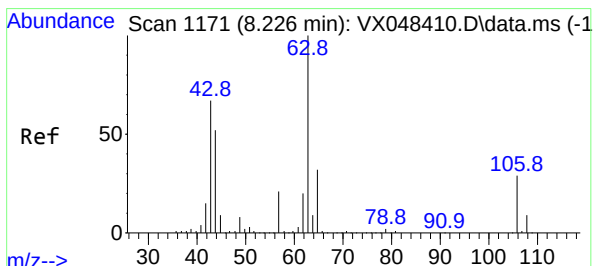
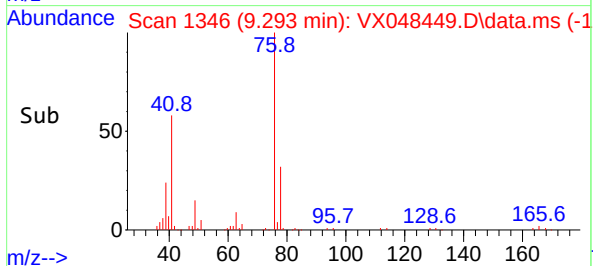
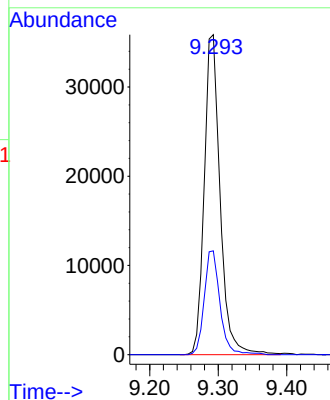
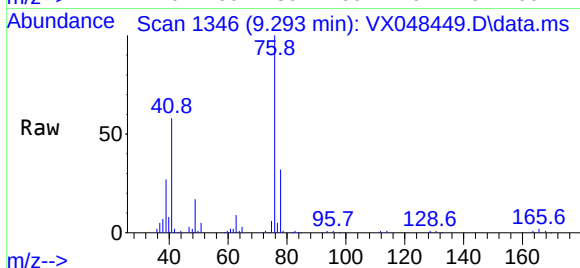
78 32.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#58

2-Chloroethyl Vinyl ether

Concen: 85.428 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. -0.000 min

Lab File: VX048449.D

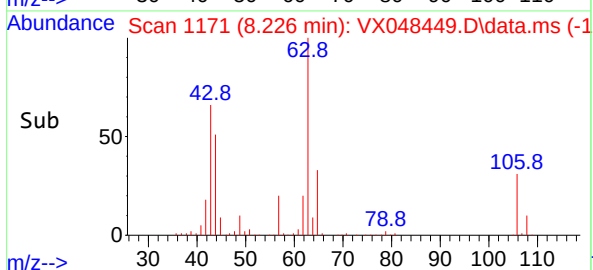
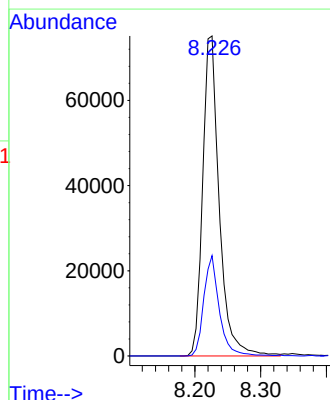
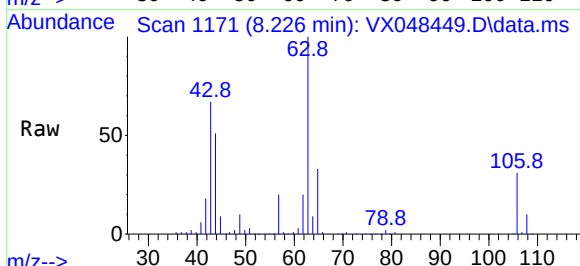
Acq: 03 Nov 2025 12:21

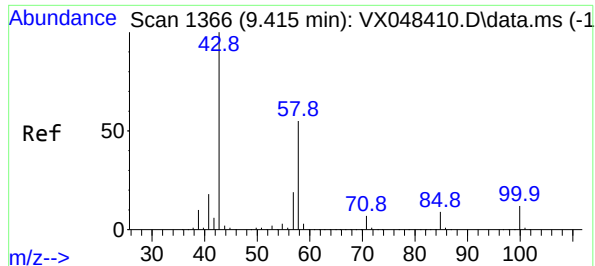
Tgt Ion: 63 Resp: 131528

Ion Ratio Lower Upper

63 100

106 29.5 22.2 33.2





#59

2-Hexanone

Concen: 86.371 ug/l

RT: 9.415 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 43 Resp: 121464

Ion Ratio Lower Upper

43 100

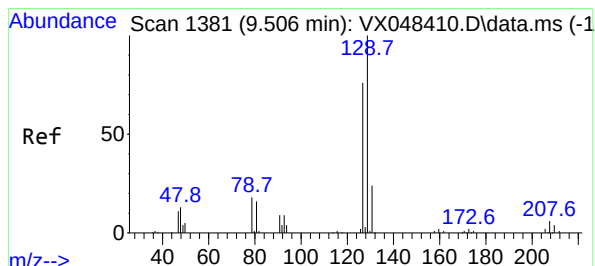
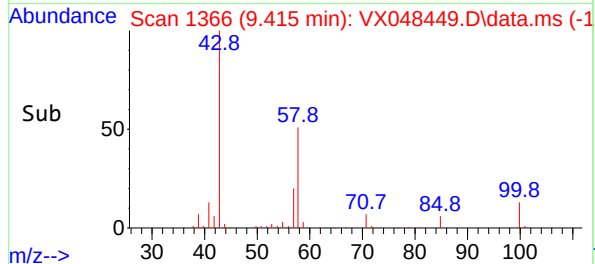
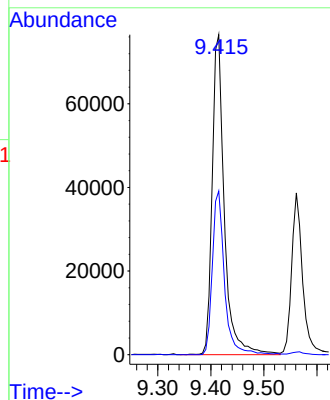
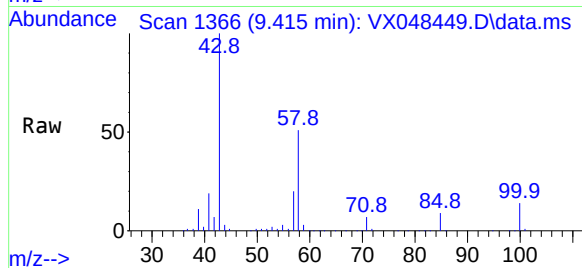
58 51.1 26.3 78.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#60

Dibromochloromethane

Concen: 18.197 ug/l

RT: 9.500 min Scan# 1380

Delta R.T. -0.006 min

Lab File: VX048449.D

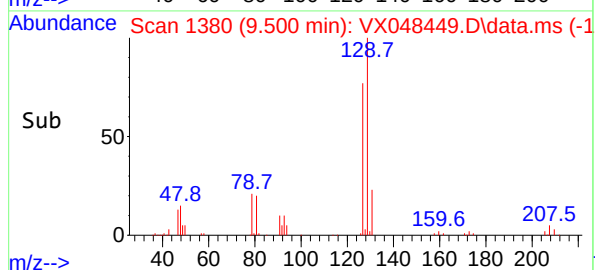
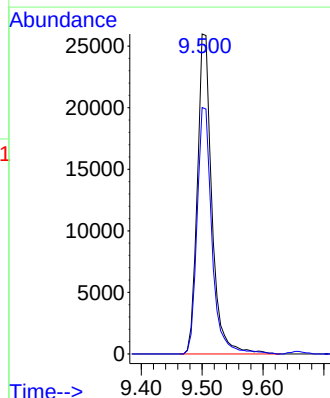
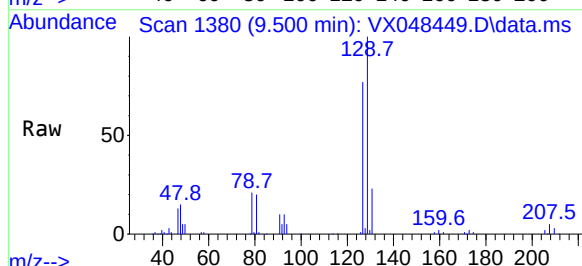
Acq: 03 Nov 2025 12:21

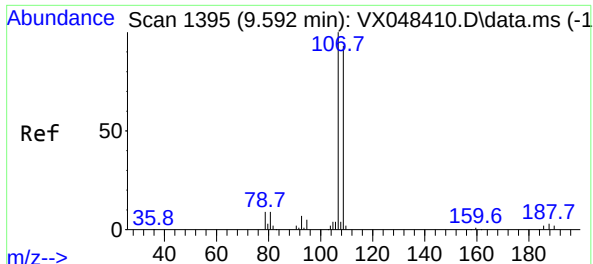
Tgt Ion:129 Resp: 42924

Ion Ratio Lower Upper

129 100

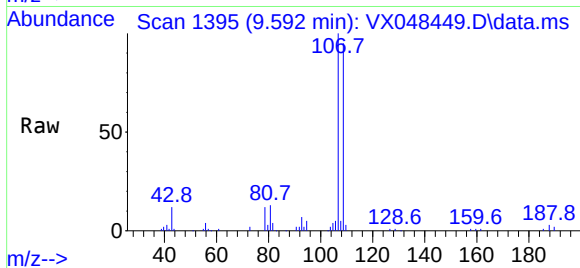
127 79.0 38.6 115.7





#61  
1,2-Dibromoethane  
Concen: 17.775 ug/l  
RT: 9.592 min Scan# 1395  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

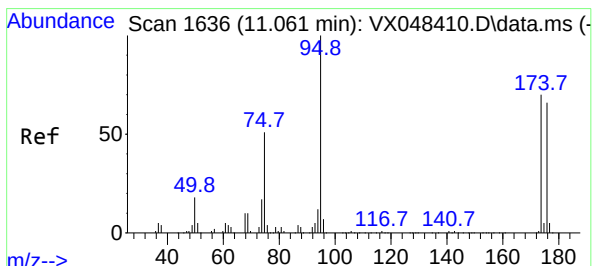
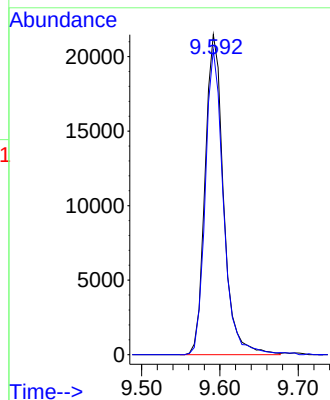
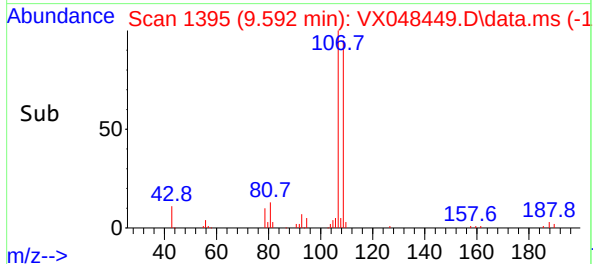
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01



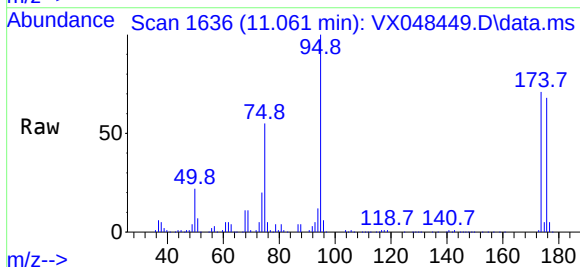
Tgt Ion:107 Resp: 35072  
Ion Ratio Lower Upper  
107 100  
109 94.0 77.0 115.4

Manual Integrations  
**APPROVED**

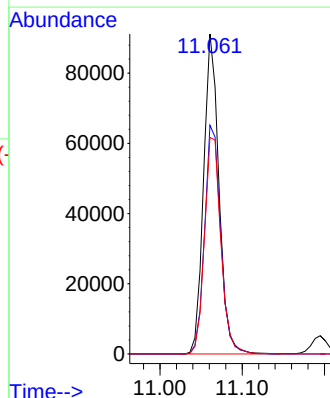
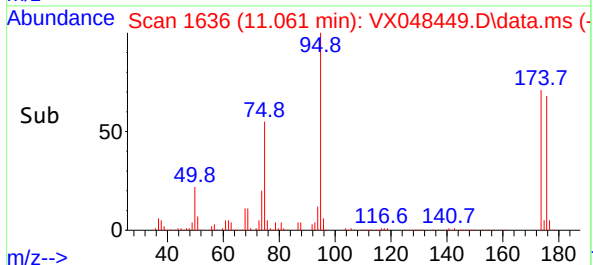
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

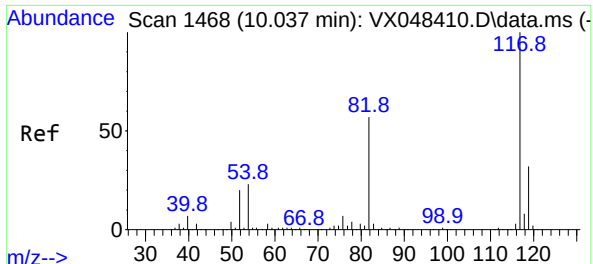


#62  
4-Bromofluorobenzene  
Concen: 43.506 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21



Tgt Ion: 95 Resp: 118111  
Ion Ratio Lower Upper  
95 100  
174 74.8 0.0 147.8  
176 72.4 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion:117 Resp: 217740

Ion Ratio Lower Upper

117 100

82 54.8 46.5 69.7

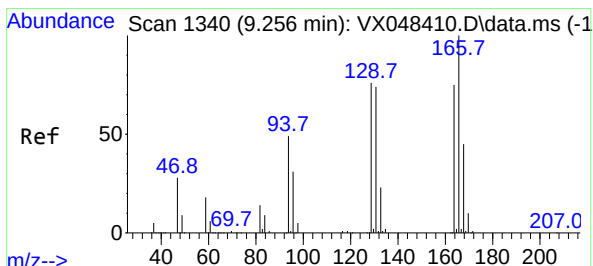
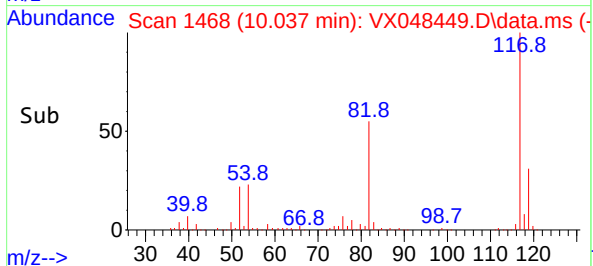
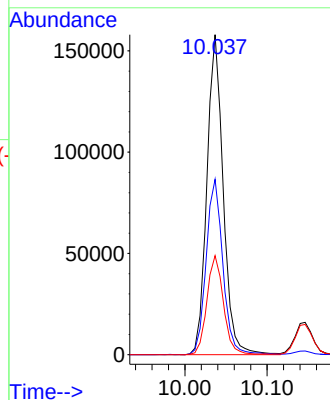
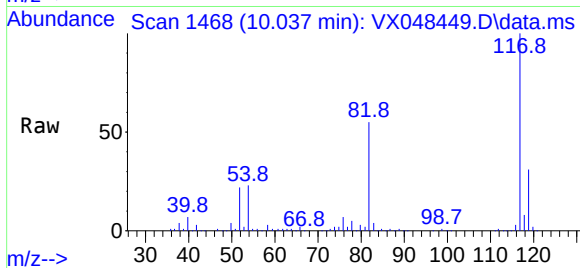
119 31.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#64

Tetrachloroethene

Concen: 19.753 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Tgt Ion:164 Resp: 34637

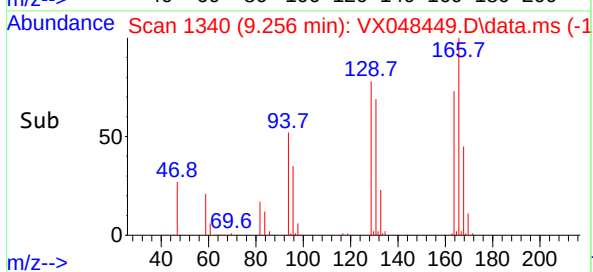
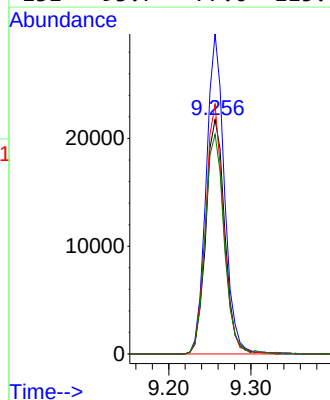
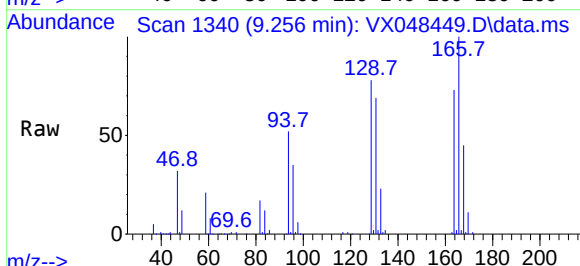
Ion Ratio Lower Upper

164 100

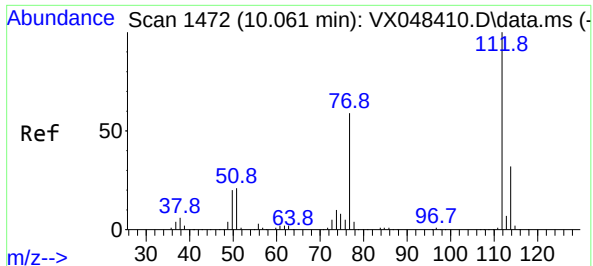
166 136.5 104.5 156.7

129 106.5 81.8 122.6

131 93.7 77.0 115.6







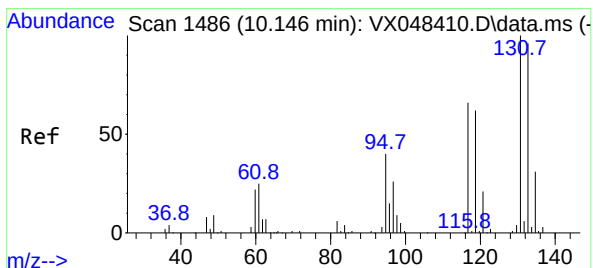
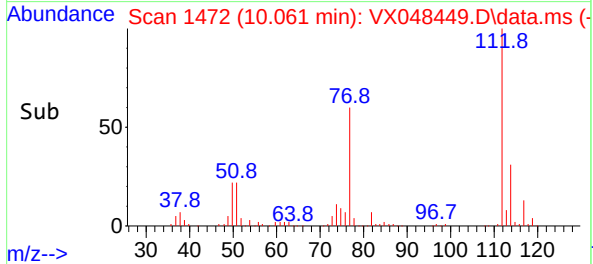
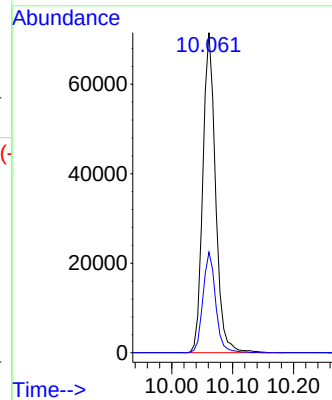
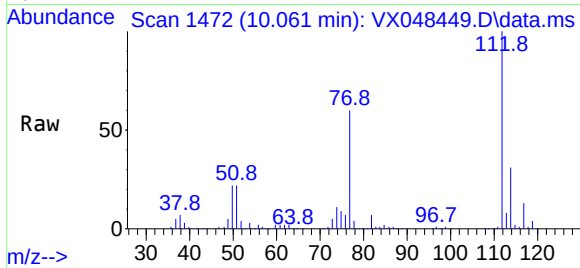
#65  
Chlorobenzene  
Concen: 20.711 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01

Tgt Ion:112 Resp: 10389  
Ion Ratio Lower Upper  
112 100  
114 31.4 26.2 39.2

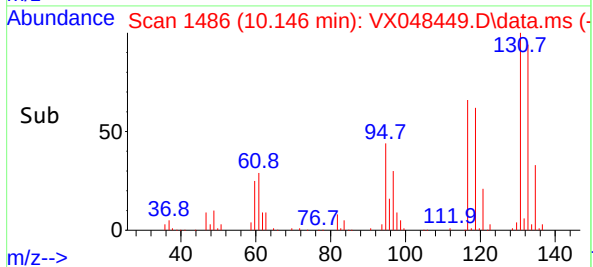
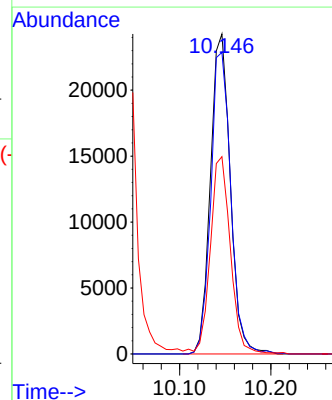
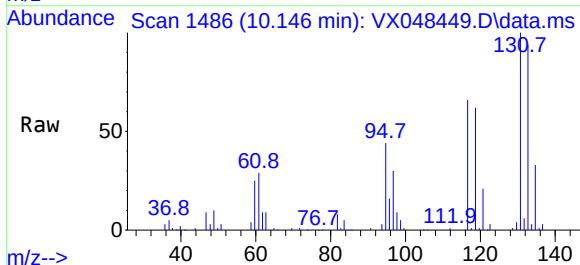
Manual Integrations  
**APPROVED**

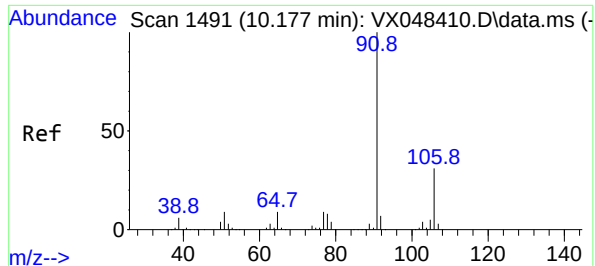
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.465 ug/l  
RT: 10.146 min Scan# 1486  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Tgt Ion:131 Resp: 36626  
Ion Ratio Lower Upper  
131 100  
133 95.5 47.6 142.8  
119 62.6 32.5 97.5





#67

Ethyl Benzene

Concen: 20.541 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Tgt Ion: 91 Resp: 173489

Ion Ratio Lower Upper

91 100

106 30.5 23.8 35.6

Instrument :

MSVOA\_X

ClientSampleId :

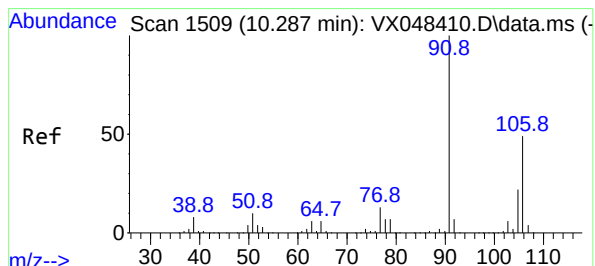
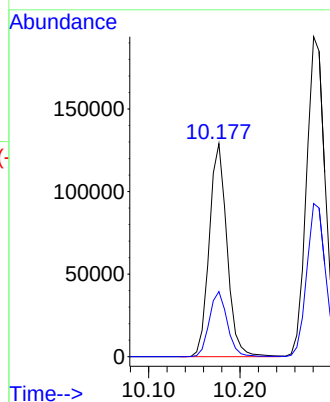
VX1103WBS01

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#68

m/p-Xylenes

Concen: 42.211 ug/l

RT: 10.280 min Scan# 1508

Delta R.T. -0.006 min

Lab File: VX048449.D

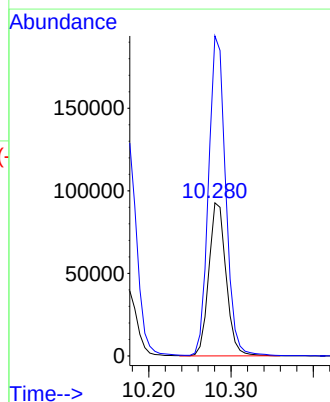
Acq: 03 Nov 2025 12:21

Tgt Ion:106 Resp: 134991

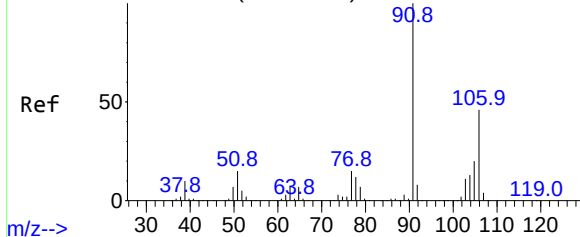
Ion Ratio Lower Upper

106 100

91 207.7 167.9 251.9



Abundance Scan 1564 (10.622 min): VX048410.D\data.ms (-



#69  
o-Xylene  
Concen: 20.732 ug/l  
RT: 10.622 min Scan# 1564  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

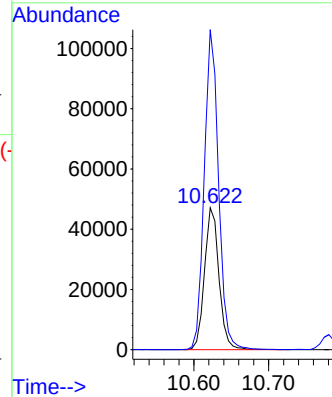
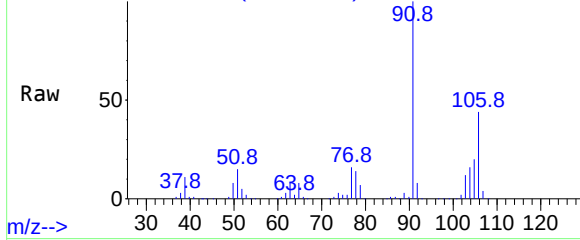
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01

Tgt Ion:106 Resp: 63358  
Ion Ratio Lower Upper  
106 100  
91 222.8 111.3 333.9

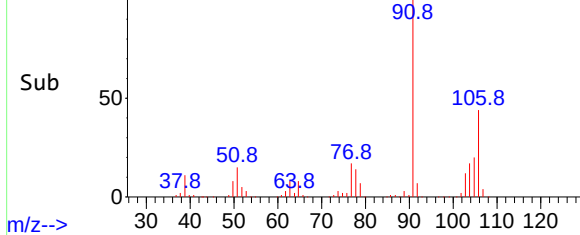
Manual Integrations  
**APPROVED**

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

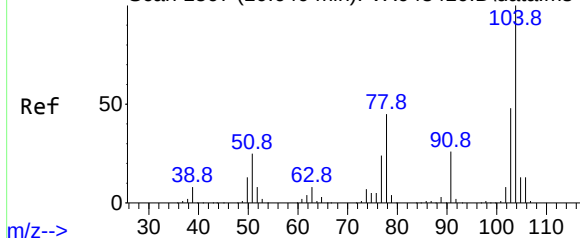
Abundance Scan 1564 (10.622 min): VX048449.D\data.ms (-



Abundance Scan 1564 (10.622 min): VX048449.D\data.ms (-



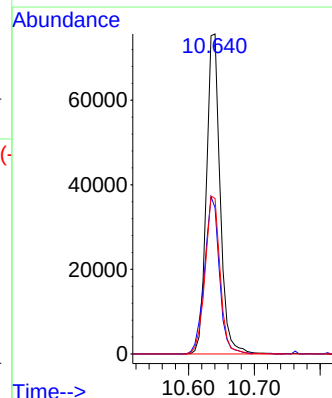
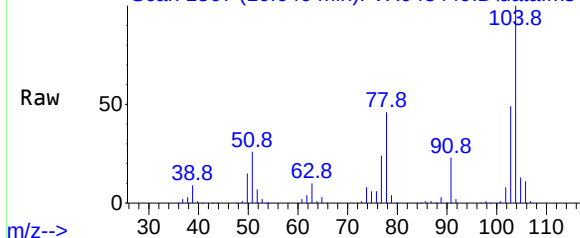
Abundance Scan 1567 (10.640 min): VX048410.D\data.ms (-



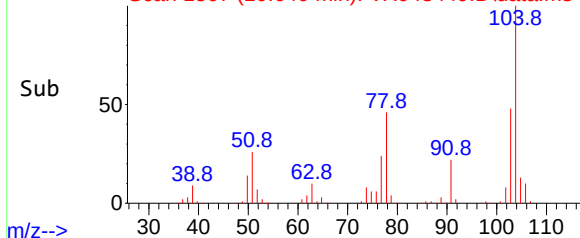
#70  
Styrene  
Concen: 21.227 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

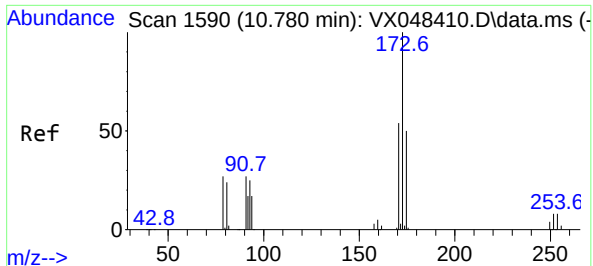
Tgt Ion:104 Resp: 109893  
Ion Ratio Lower Upper  
104 100  
78 53.6 42.2 63.4  
103 53.6 43.0 64.4

Abundance Scan 1567 (10.640 min): VX048449.D\data.ms (-



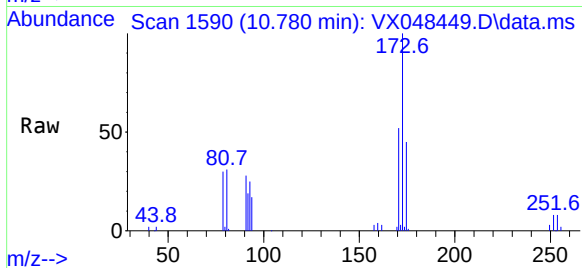
Abundance Scan 1567 (10.640 min): VX048449.D\data.ms (-





#71  
Bromoform  
Concen: 21.299 ug/l  
RT: 10.780 min Scan# 1590  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

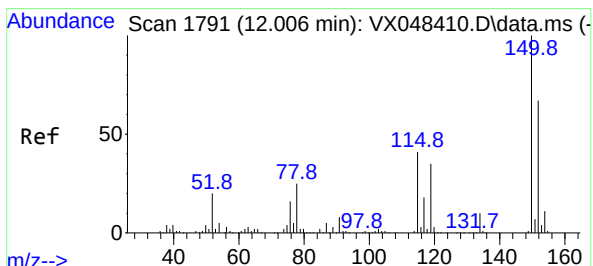
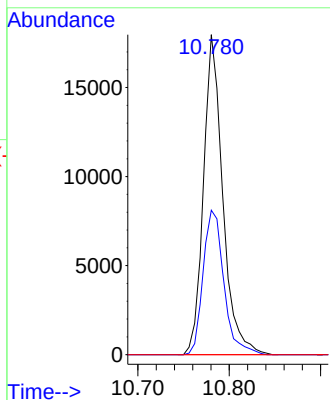
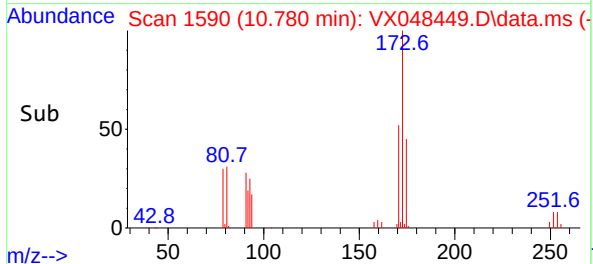
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01



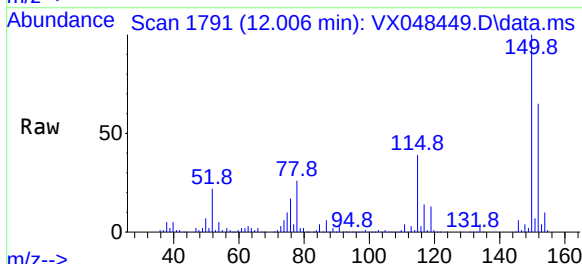
Tgt Ion:173 Resp: 26290  
Ion Ratio Lower Upper  
173 100  
175 48.7 24.0 72.0  
254 0.0 0.0 0.0

Manual Integrations  
APPROVED

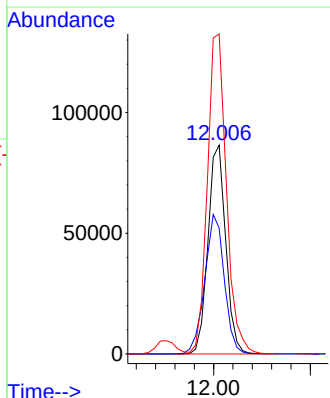
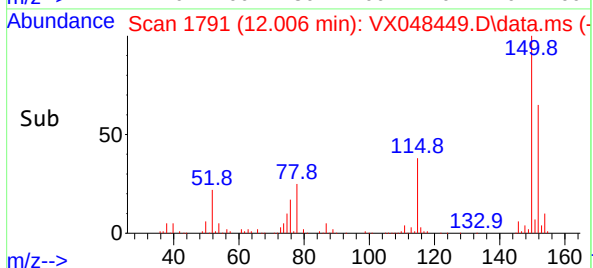
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

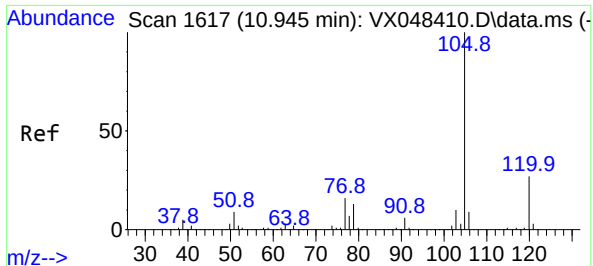


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21



Tgt Ion:152 Resp: 110522  
Ion Ratio Lower Upper  
152 100  
115 73.4 43.1 129.4  
150 164.2 0.0 353.0





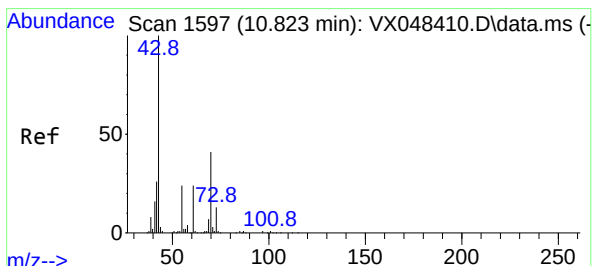
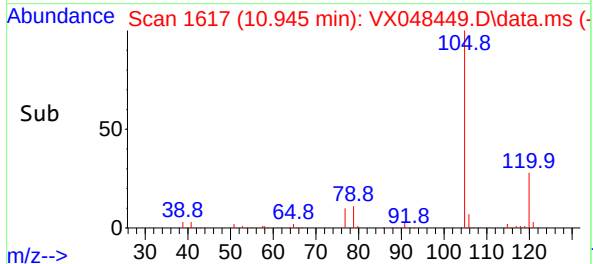
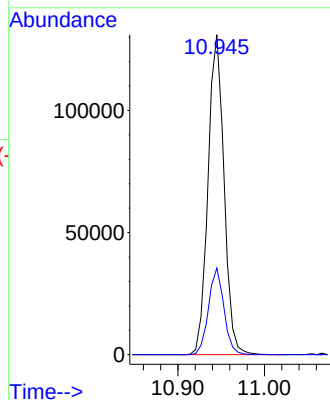
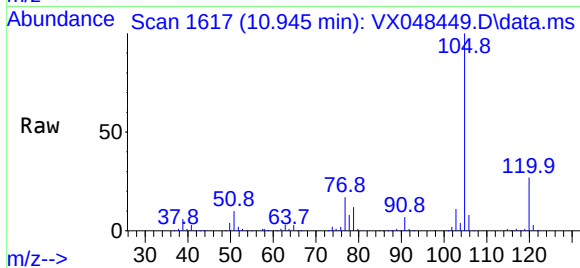
#73  
Isopropylbenzene  
Concen: 20.549 ug/l  
RT: 10.945 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01

Tgt Ion:105 Resp: 16798  
Ion Ratio Lower Upper  
105 100  
120 26.2 13.0 38.9

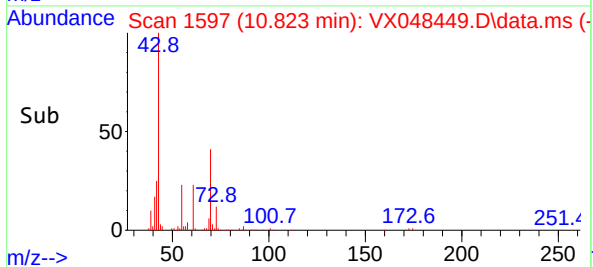
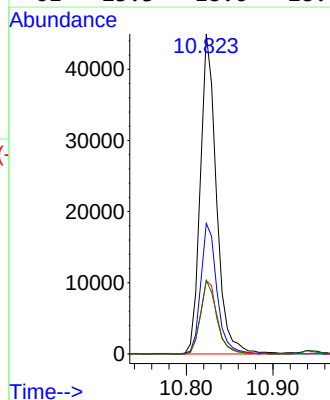
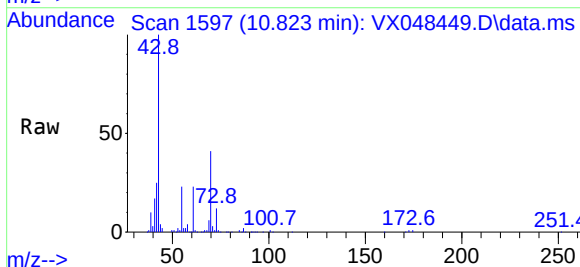
Manual Integrations  
**APPROVED**

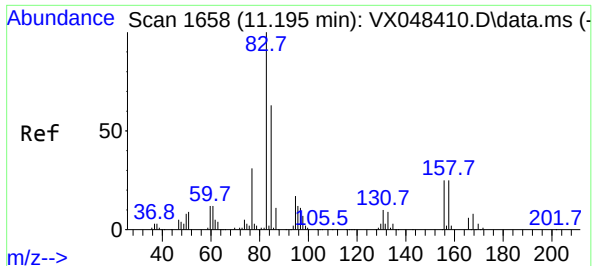
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#74  
N-ethyl acetate  
Concen: 19.933 ug/l  
RT: 10.823 min Scan# 1597  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Tgt Ion: 43 Resp: 58129  
Ion Ratio Lower Upper  
43 100  
70 41.1 32.2 48.2  
55 23.9 19.1 28.7  
61 23.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.477 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 83 Resp: 42400

Ion Ratio Lower Upper

83 100

131 10.5 4.8 14.4

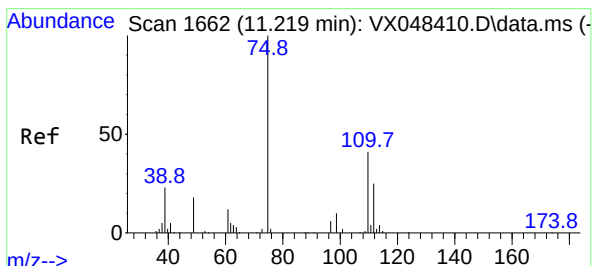
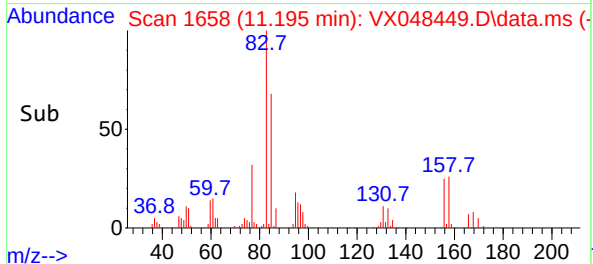
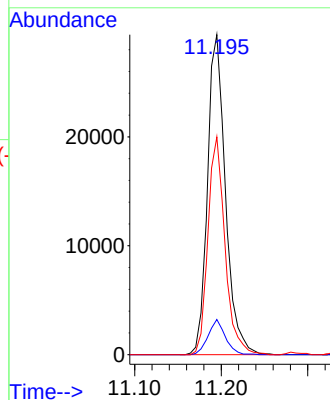
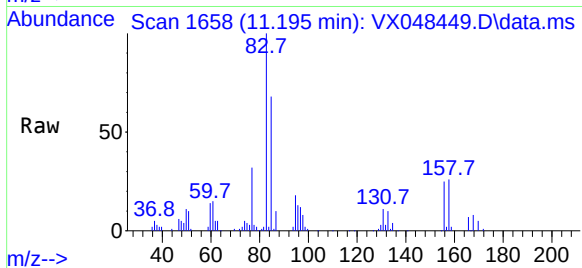
85 64.5 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#76

1,2,3-Trichloropropane

Concen: 21.079 ug/l m

RT: 11.219 min Scan# 1662

Delta R.T. -0.000 min

Lab File: VX048449.D

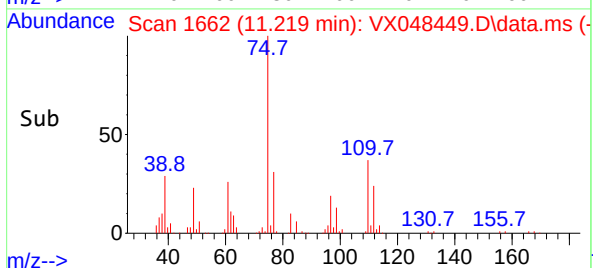
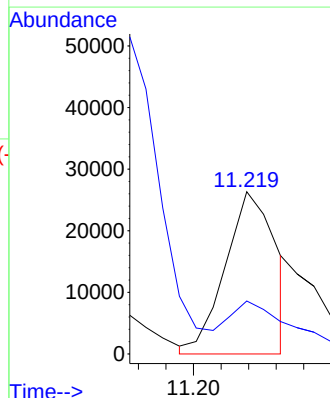
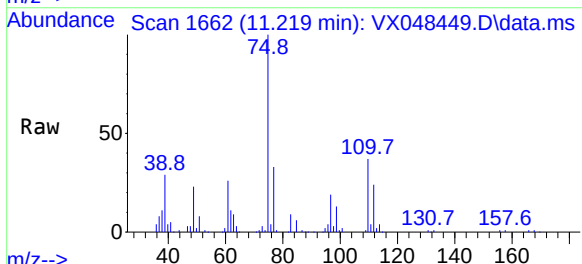
Acq: 03 Nov 2025 12:21

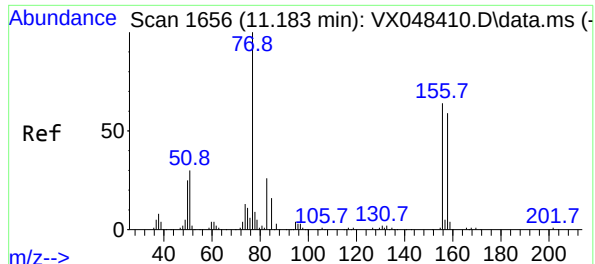
Tgt Ion: 75 Resp: 33504

Ion Ratio Lower Upper

75 100

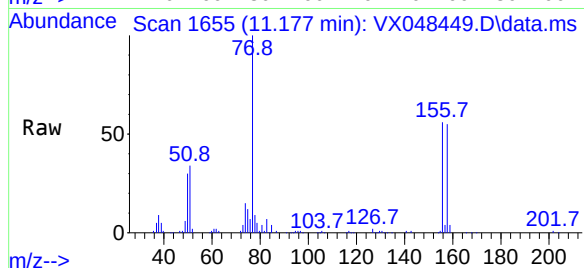
77 42.0 22.4 67.2





#77  
Bromobenzene  
Concen: 20.067 ug/l  
RT: 11.177 min Scan# 1655  
Delta R.T. -0.006 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

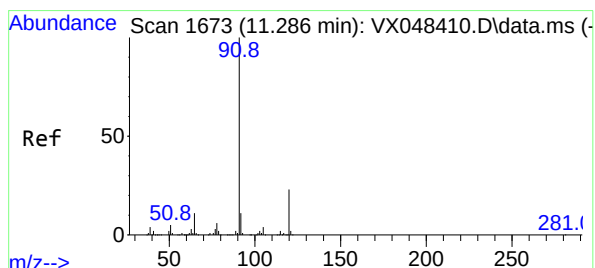
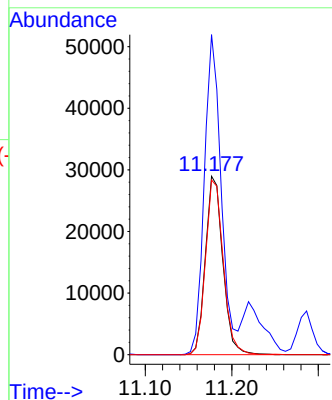
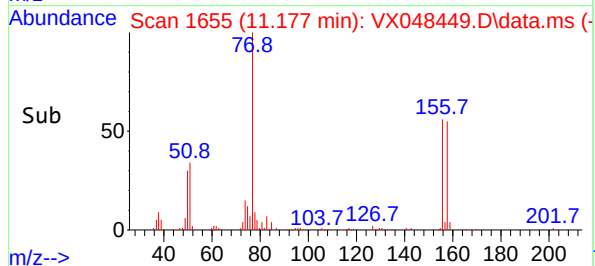
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01



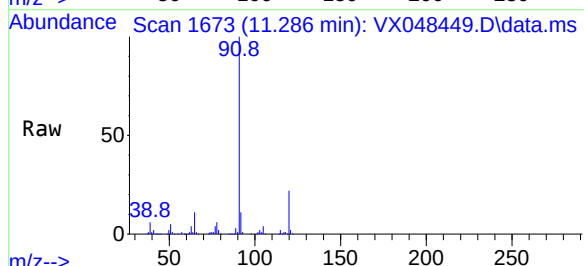
Tgt Ion:156 Resp: 4052  
Ion Ratio Lower Upper  
156 100  
77 173.7 87.0 261.0  
158 99.8 47.8 143.4

Manual Integrations  
**APPROVED**

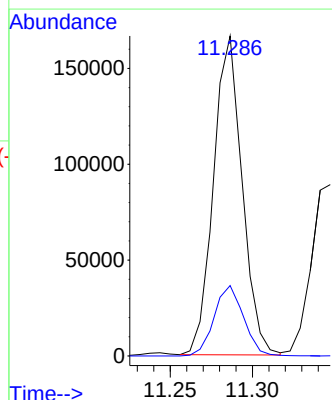
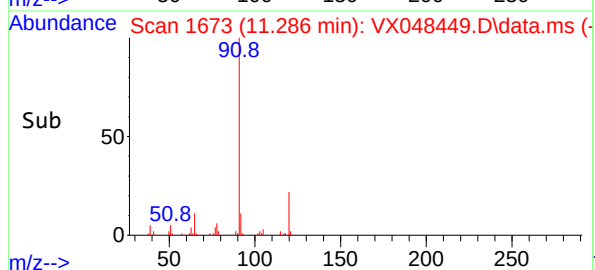
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

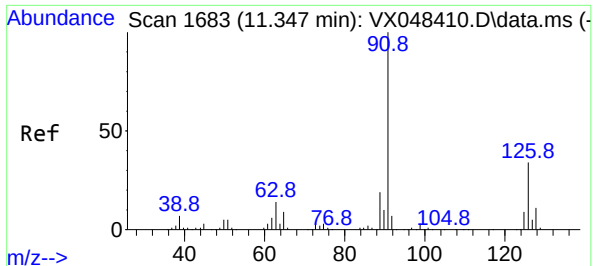


#78  
n-propylbenzene  
Concen: 20.875 ug/l  
RT: 11.286 min Scan# 1673  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21



Tgt Ion: 91 Resp: 201686  
Ion Ratio Lower Upper  
91 100  
120 22.7 11.1 33.1





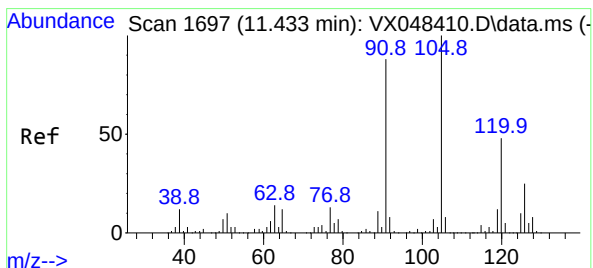
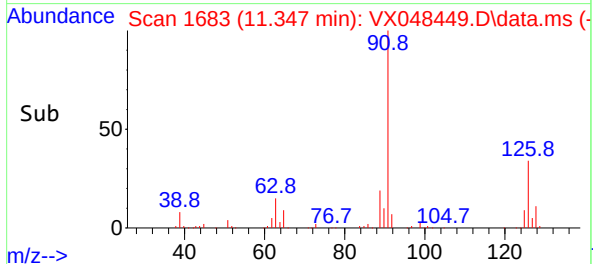
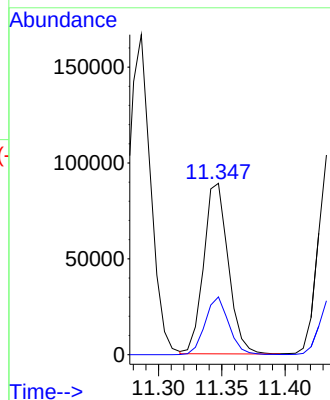
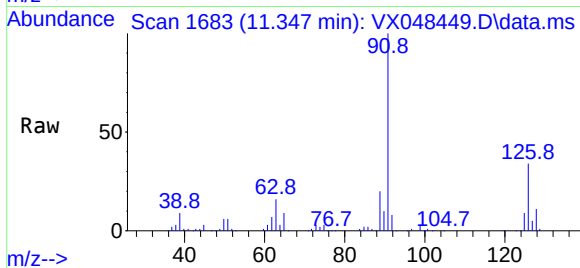
#79  
2-Chlorotoluene  
Concen: 20.734 ug/l  
RT: 11.347 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01

Tgt Ion: 91 Resp: 120278  
Ion Ratio Lower Upper  
91 100  
126 32.7 16.4 49.4

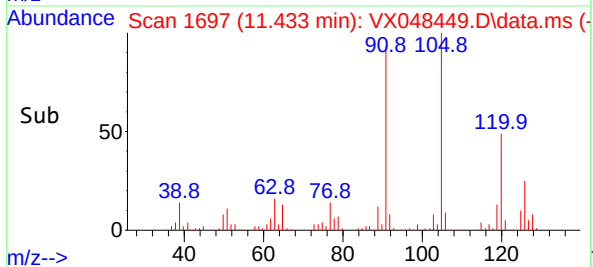
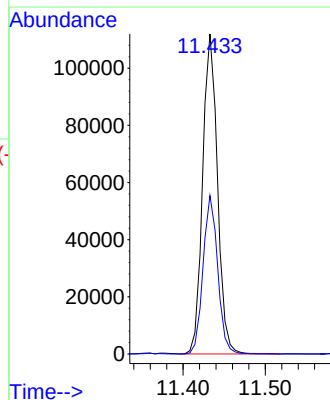
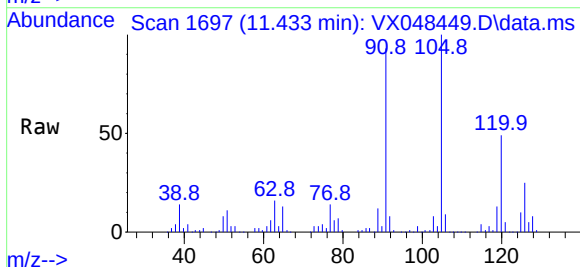
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

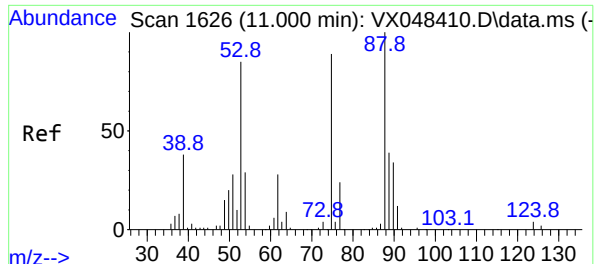


#80  
1,3,5-Trimethylbenzene  
Concen: 20.938 ug/l  
RT: 11.433 min Scan# 1697  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Tgt Ion:105 Resp: 140304  
Ion Ratio Lower Upper  
105 100  
120 48.8 24.0 72.0







#81

trans-1,4-Dichloro-2-butene

Concen: 20.081 ug/l

RT: 11.000 min Scan# 1626

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

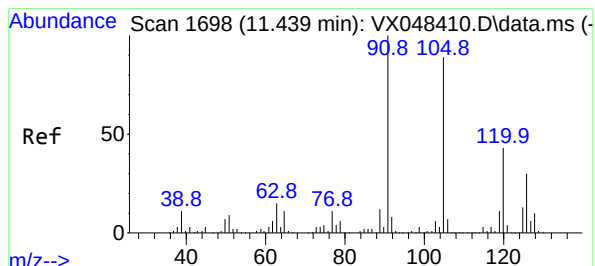
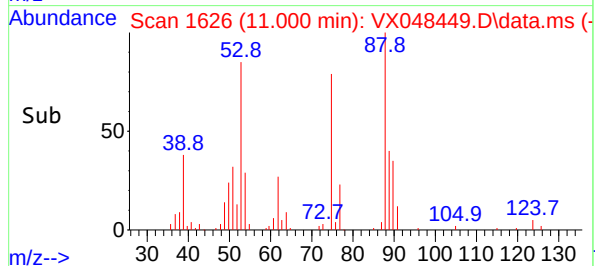
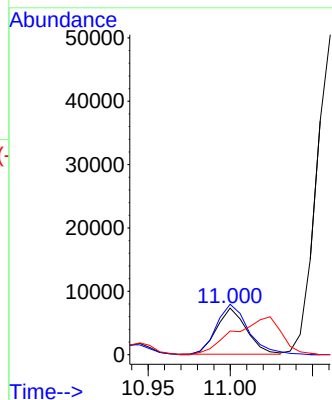
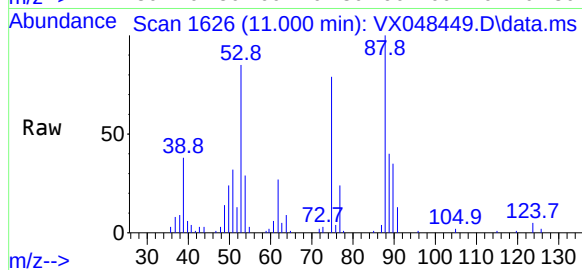
VX1103WBS01

| Tgt Ion: | 75    | Resp: | 922   |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 118.0 | 79.5  | 119.3 |
| 89       | 0.0   | 36.8  | 55.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#82

4-Chlorotoluene

Concen: 21.085 ug/l

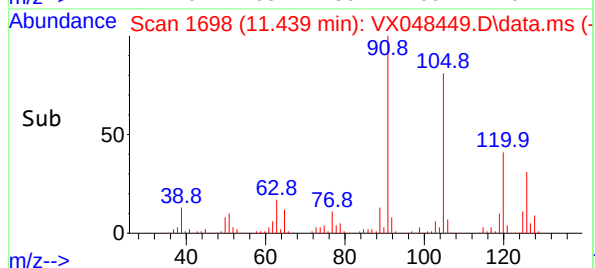
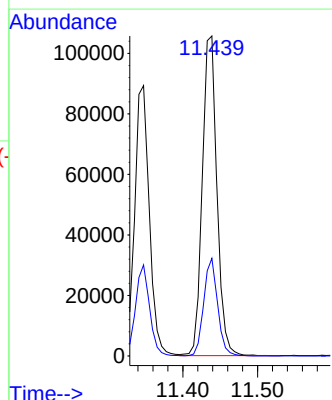
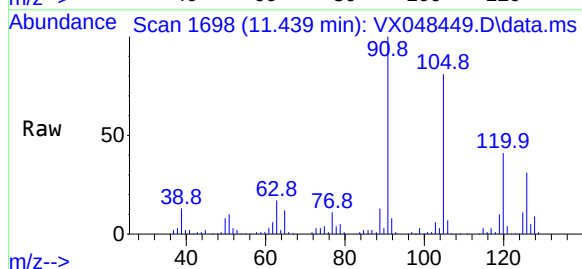
RT: 11.439 min Scan# 1698

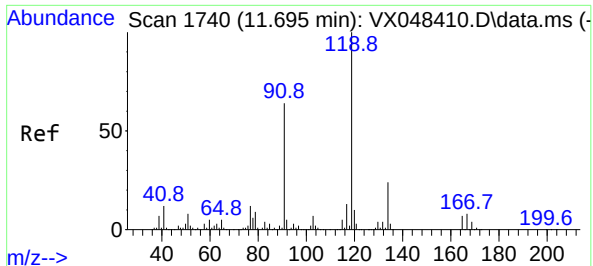
Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

| Tgt Ion: | 91    | Resp: | 143791 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 29.0  | 14.1  | 42.4   |





#83

tert-Butylbenzene

Concen: 20.391 ug/l

RT: 11.695 min Scan# 1740

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

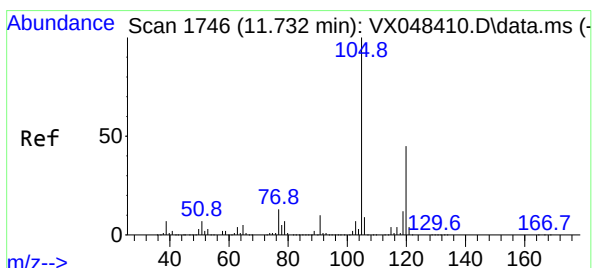
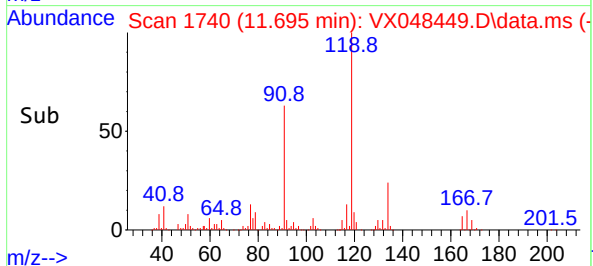
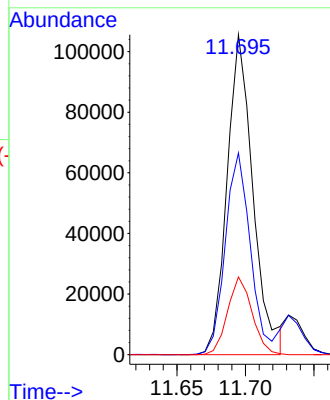
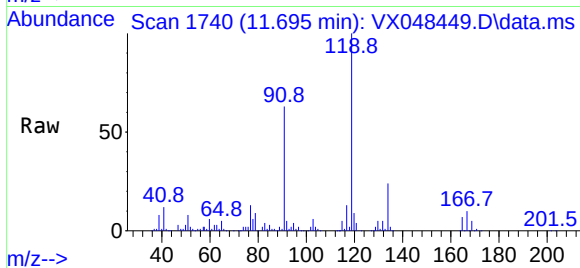
Tgt Ion:119 Resp: 139109

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 91  | 61.0  | 30.3  | 91.0  |
| 134 | 23.0  | 11.4  | 34.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#84

1,2,4-Trimethylbenzene

Concen: 21.634 ug/l

RT: 11.731 min Scan# 1746

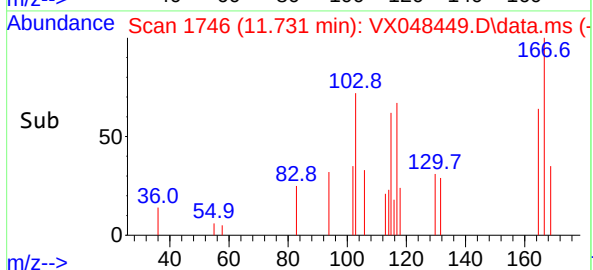
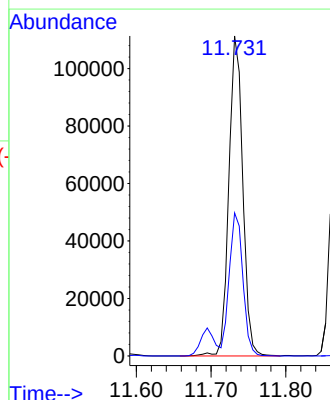
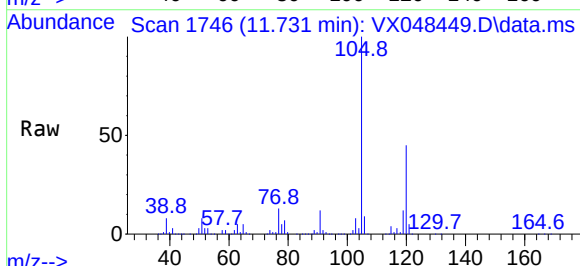
Delta R.T. -0.000 min

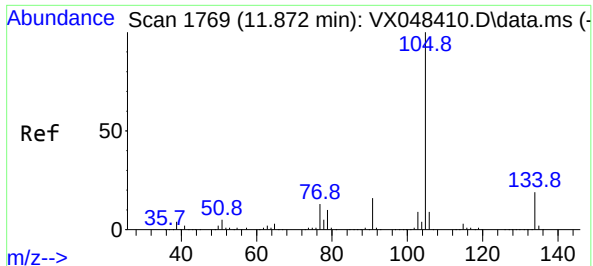
Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Tgt Ion:105 Resp: 143541

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 44.0  | 22.1  | 66.5  |





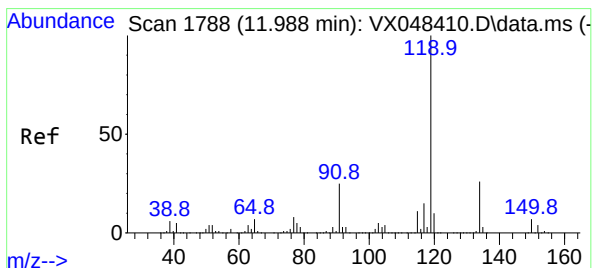
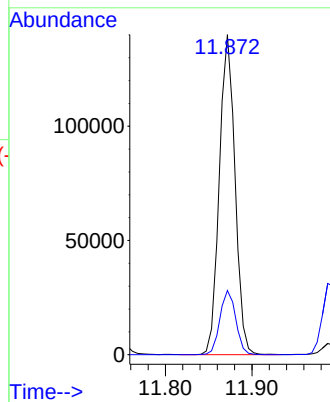
#85  
sec-Butylbenzene  
Concen: 20.756 ug/l  
RT: 11.872 min Scan# 1769  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01

Tgt Ion:105 Resp: 17643  
Ion Ratio Lower Upper  
105 100  
134 20.2 10.1 30.1

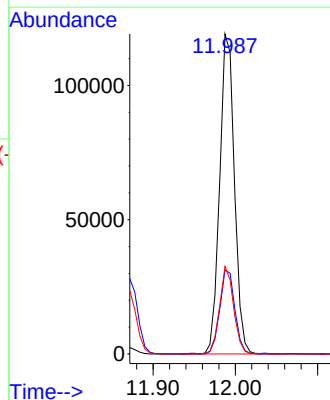
Manual Integrations  
APPROVED

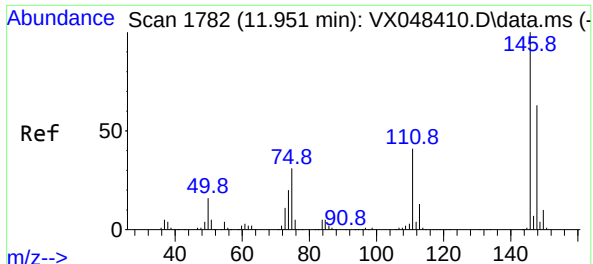
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#86  
p-Isopropyltoluene  
Concen: 20.658 ug/l  
RT: 11.987 min Scan# 1788  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Tgt Ion:119 Resp: 148457  
Ion Ratio Lower Upper  
119 100  
134 26.7 13.0 39.0  
91 26.1 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 19.656 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion:146 Resp: 7580

Ion Ratio Lower Upper

146 100

111 43.1 20.4 61.2

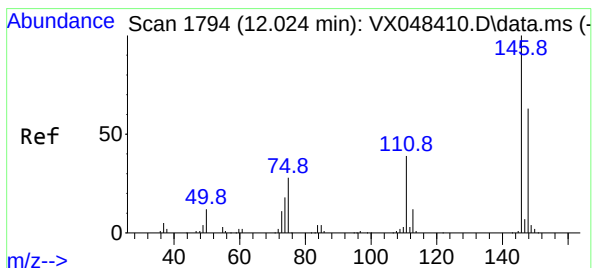
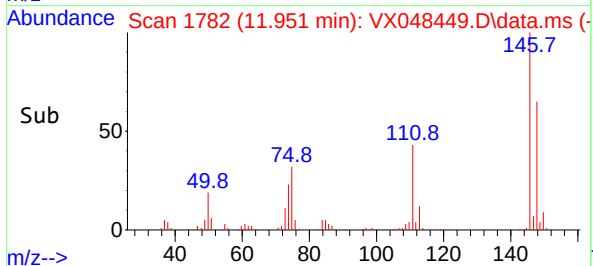
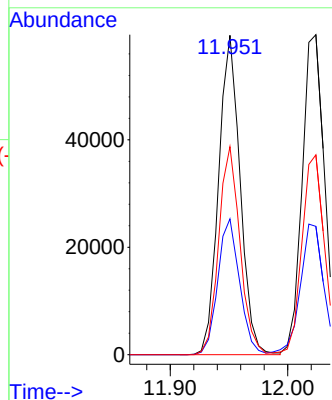
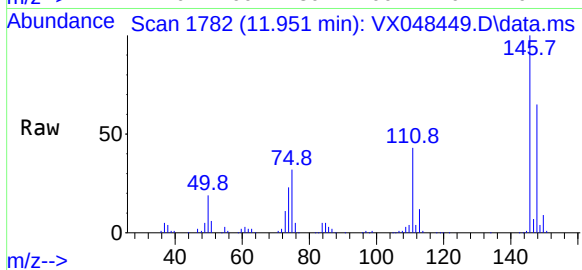
148 64.6 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#88

1,4-Dichlorobenzene

Concen: 20.235 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

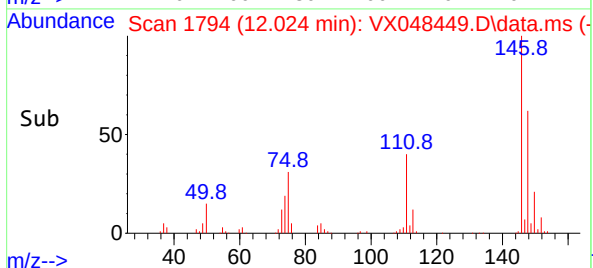
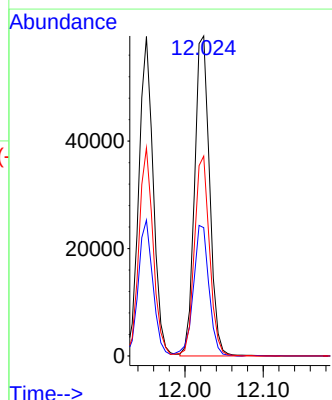
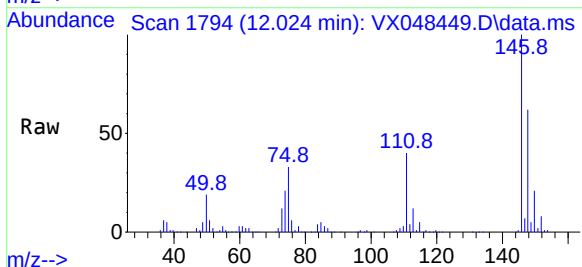
Tgt Ion:146 Resp: 79478

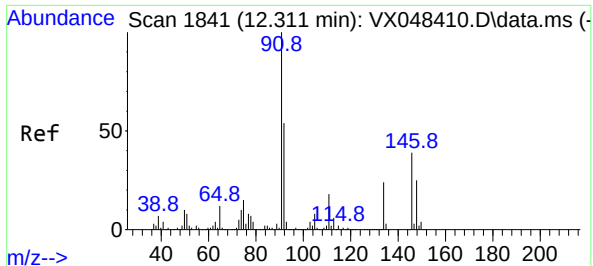
Ion Ratio Lower Upper

146 100

111 42.5 20.1 60.2

148 62.8 31.8 95.3





#89

n-Butylbenzene

Concen: 20.854 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBS01

Tgt Ion: 91 Resp: 140708

Ion Ratio Lower Upper

91 100

92 52.8 26.9 80.6

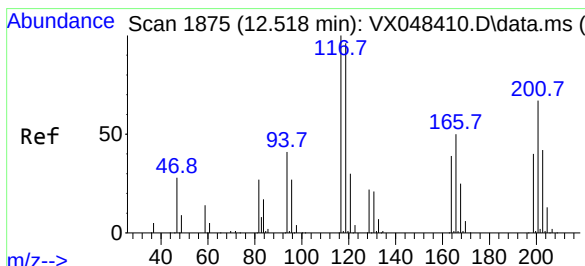
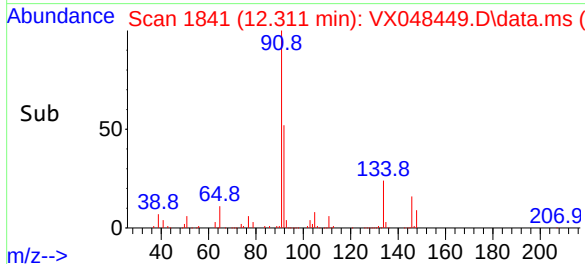
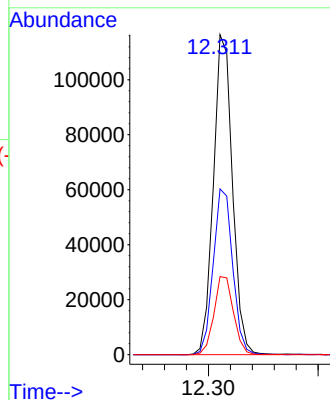
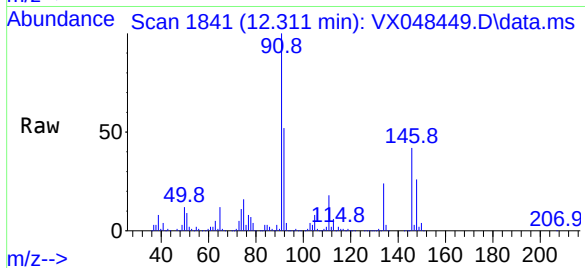
134 25.0 12.7 38.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#90

Hexachloroethane

Concen: 21.022 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX048449.D

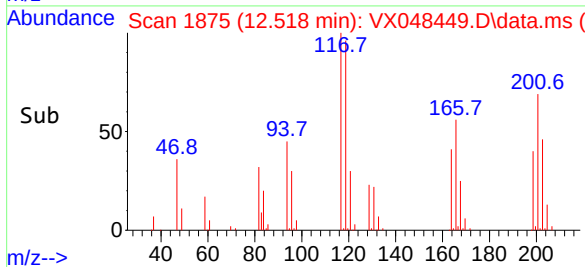
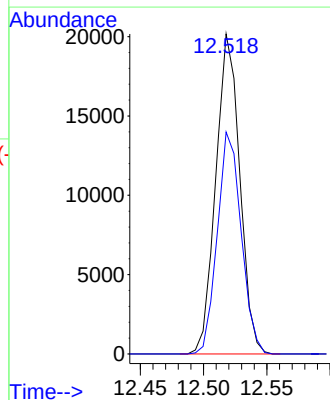
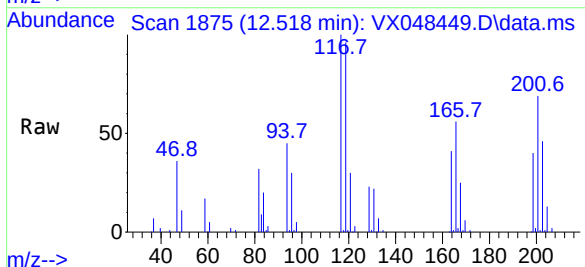
Acq: 03 Nov 2025 12:21

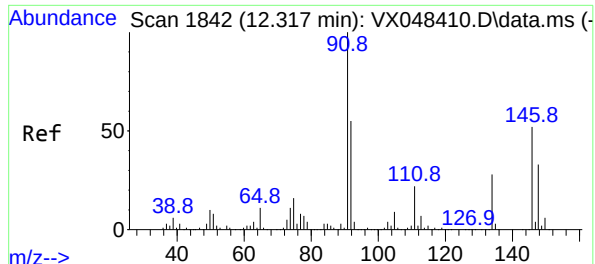
Tgt Ion:117 Resp: 26546

Ion Ratio Lower Upper

117 100

201 69.0 34.1 102.2





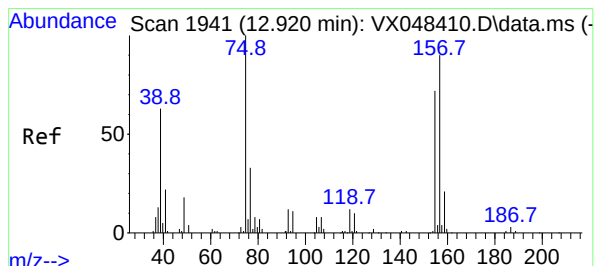
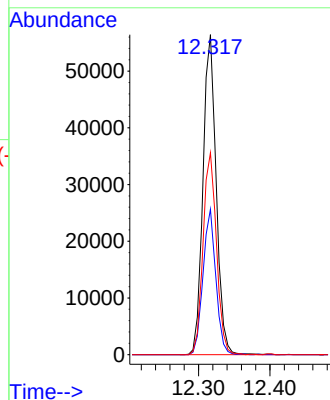
#91  
1,2-Dichlorobenzene  
Concen: 20.287 ug/l  
RT: 12.317 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01

Tgt Ion:146 Resp: 72500  
Ion Ratio Lower Upper  
146 100  
111 44.1 21.9 65.5  
148 64.1 31.9 95.5

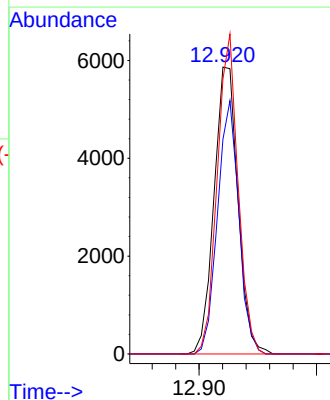
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

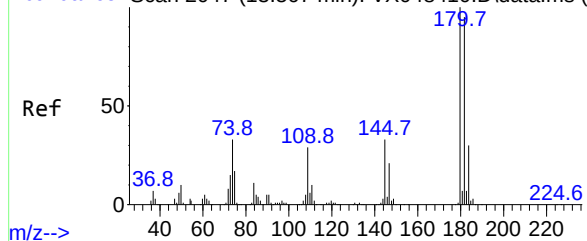


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 20.525 ug/l  
RT: 12.920 min Scan# 1941  
Delta R.T. -0.000 min  
Lab File: VX048449.D  
Acq: 03 Nov 2025 12:21

Tgt Ion: 75 Resp: 8322  
Ion Ratio Lower Upper  
75 100  
155 78.3 42.8 128.4  
157 96.9 54.2 162.6



Abundance Scan 2047 (13.567 min): VX048410.D\data.ms (-



#93

1,2,4-Trichlorobenzene

Concen: 19.579 ug/l

RT: 13.566 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

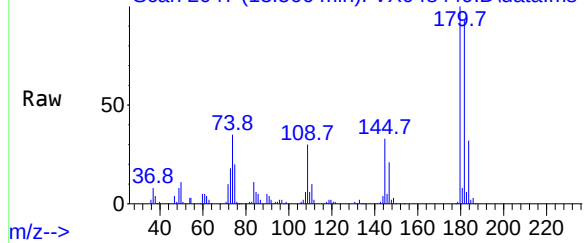
MSVOA\_X

ClientSampleId :

VX1103WBS01

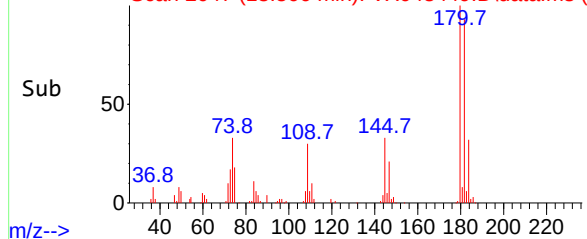
m/z--&gt;

Abundance Scan 2047 (13.566 min): VX048449.D\data.ms



m/z--&gt;

Abundance Scan 2047 (13.566 min): VX048449.D\data.ms (-



m/z--&gt;

Tgt Ion:180 Resp: 4828

Ion Ratio Lower Upper

180 100

182 96.0 47.3 142.0

145 31.9 16.3 48.9

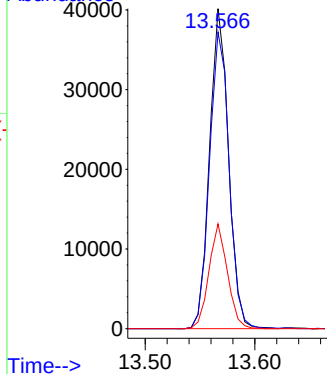
Manual Integrations

APPROVED

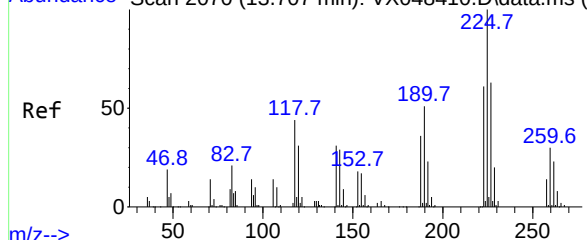
Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

Abundance

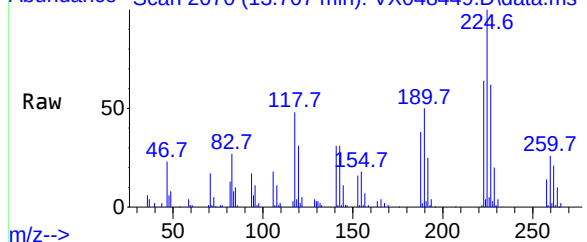


Abundance Scan 2070 (13.707 min): VX048410.D\data.ms (-



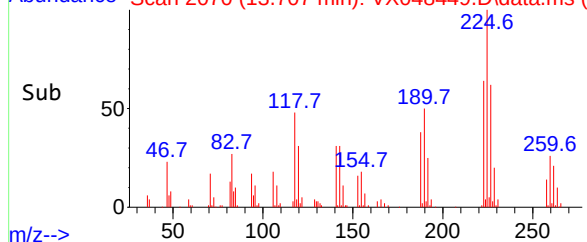
m/z--&gt;

Abundance Scan 2070 (13.707 min): VX048449.D\data.ms



m/z--&gt;

Abundance Scan 2070 (13.707 min): VX048449.D\data.ms (-



m/z--&gt;

#94

Hexachlorobutadiene

Concen: 20.439 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Tgt Ion:225 Resp: 21142

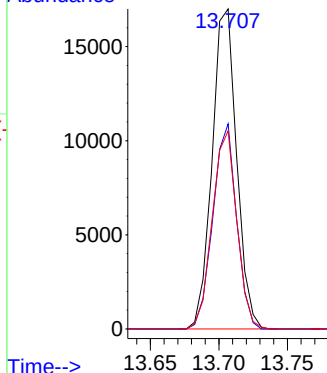
Ion Ratio Lower Upper

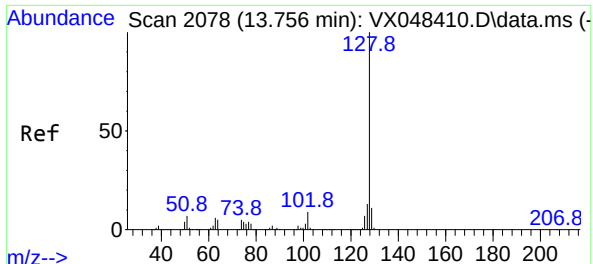
225 100

223 61.8 32.6 97.7

227 61.6 32.5 97.4

Abundance





#95

Naphthalene

Concen: 19.527 ug/l

RT: 13.755 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

Instrument :

MSVOA\_X

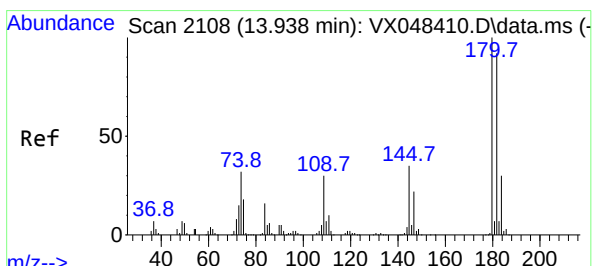
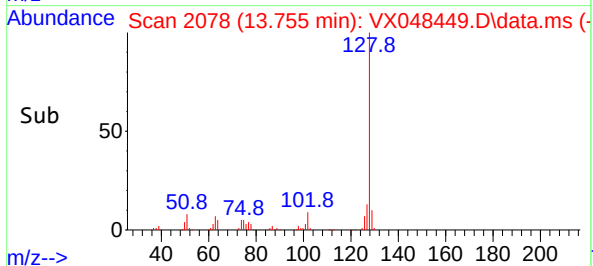
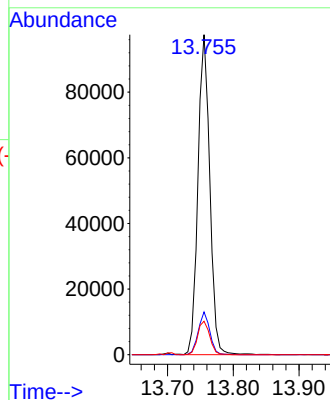
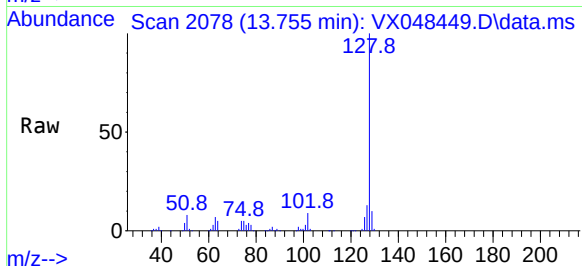
ClientSampleId :

VX1103WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 12161 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.0  | 10.2  | 15.4  |
| 129      | 10.7  | 8.6   | 12.8  |

Manual Integrations  
**APPROVED**

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.235 ug/l

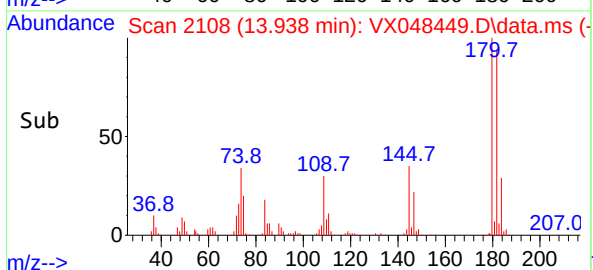
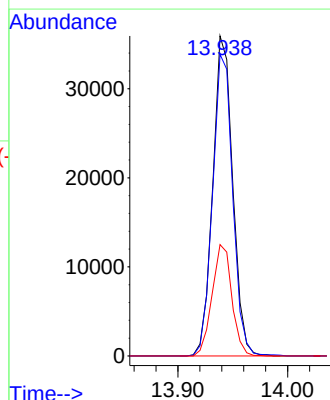
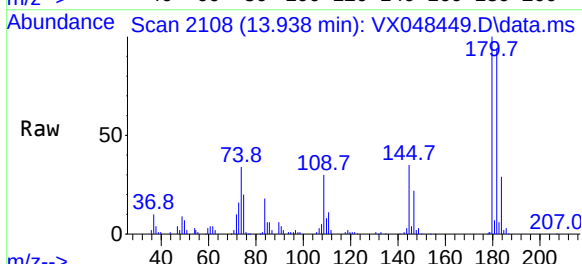
RT: 13.938 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VX048449.D

Acq: 03 Nov 2025 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 45326 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 95.1  | 46.6  | 139.7 |
| 145      | 34.6  | 16.9  | 50.7  |





### Report of Analysis

Client: AECOM  
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
 Client Sample ID: VY1022SBS01  
 Lab Sample ID: VY1022SBS01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 g

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3422  
 Matrix: SOIL  
 % Solid: 100  
 Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |      |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 20.0  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 74-87-3        | Chloromethane                  | 18.0  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 75-01-4        | Vinyl Chloride                 | 18.7  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 74-83-9        | Bromomethane                   | 20.0  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 75-00-3        | Chloroethane                   | 19.8  |      | 1  | 1.30 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 75-69-4        | Trichlorofluoromethane         | 20.2  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 21.3  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 75-35-4        | 1,1-Dichloroethene             | 20.7  |      | 1  | 1.00 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 67-64-1        | Acetone                        | 130   |      | 1  | 4.70 | 25.0       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 75-15-0        | Carbon Disulfide               | 19.3  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 1634-04-4      | Methyl tert-butyl Ether        | 19.8  |      | 1  | 0.73 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 79-20-9        | Methyl Acetate                 | 17.3  |      | 1  | 1.50 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 75-09-2        | Methylene Chloride             | 18.4  |      | 1  | 3.50 | 10.0       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 156-60-5       | trans-1,2-Dichloroethene       | 20.4  |      | 1  | 0.86 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 75-34-3        | 1,1-Dichloroethane             | 20.5  |      | 1  | 0.80 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 110-82-7       | Cyclohexane                    | 19.3  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 78-93-3        | 2-Butanone                     | 110   |      | 1  | 6.50 | 25.0       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 56-23-5        | Carbon Tetrachloride           | 21.4  |      | 1  | 0.97 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 156-59-2       | cis-1,2-Dichloroethene         | 21.2  |      | 1  | 0.75 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 74-97-5        | Bromochloromethane             | 19.3  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 67-66-3        | Chloroform                     | 21.2  |      | 1  | 0.84 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 71-55-6        | 1,1,1-Trichloroethane          | 21.3  |      | 1  | 0.93 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 108-87-2       | Methylcyclohexane              | 20.7  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 71-43-2        | Benzene                        | 21.2  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 107-06-2       | 1,2-Dichloroethane             | 19.8  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 79-01-6        | Trichloroethene                | 21.9  |      | 1  | 0.81 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 78-87-5        | 1,2-Dichloropropane            | 21.0  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 75-27-4        | Bromodichloromethane           | 21.2  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 96.0  |      | 1  | 3.60 | 25.0       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 108-88-3       | Toluene                        | 22.0  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 10061-02-6     | t-1,3-Dichloropropene          | 21.0  |      | 1  | 0.65 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 20.9  |      | 1  | 0.62 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 79-00-5        | 1,1,2-Trichloroethane          | 21.6  |      | 1  | 0.92 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 591-78-6       | 2-Hexanone                     | 110   |      | 1  | 3.70 | 25.0       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 124-48-1       | Dibromochloromethane           | 21.4  |      | 1  | 0.87 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 106-93-4       | 1,2-Dibromoethane              | 21.2  |      | 1  | 0.88 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 127-18-4       | Tetrachloroethene              | 22.9  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 108-90-7       | Chlorobenzene                  | 21.4  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 100-41-4       | Ethyl Benzene                  | 21.2  |      | 1  | 0.67 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 179601-23-1    | m/p-Xylenes                    | 43.3  |      | 1  | 1.20 | 10.0       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 95-47-6        | o-Xylene                       | 21.6  |      | 1  | 0.82 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 100-42-5       | Styrene                        | 21.3  |      | 1  | 0.71 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |
| 75-25-2        | Bromoform                      | 20.5  |      | 1  | 0.86 | 5.00       | ug/Kg | 10/22/25 10:28 | VY102225 |

### Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: |               |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  |               |
| Client Sample ID:  | VY1022SBS01                                      | SDG No.:        | Q3422         |
| Lab Sample ID:     | VY1022SBS01                                      | Matrix:         | SOIL          |
| Analytical Method: | 8260D                                            | % Solid:        | 100           |
| Sample Wt/Vol:     | 5 g                                              | Level:          | LOW           |
|                    |                                                  | Final Vol:      | 5000 uL       |
|                    |                                                  | Test:           | VOC-TCLVOA-10 |

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 21.7              |      | 1  | 0.78     | 5.00       | ug/Kg   | 10/22/25 10:28 | VY102225 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 19.2              |      | 1  | 1.20     | 5.00       | ug/Kg   | 10/22/25 10:28 | VY102225 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 21.3              |      | 1  | 1.70     | 5.00       | ug/Kg   | 10/22/25 10:28 | VY102225 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 21.1              |      | 1  | 1.60     | 5.00       | ug/Kg   | 10/22/25 10:28 | VY102225 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 21.3              |      | 1  | 1.50     | 5.00       | ug/Kg   | 10/22/25 10:28 | VY102225 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 18.8              |      | 1  | 1.80     | 5.00       | ug/Kg   | 10/22/25 10:28 | VY102225 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 20.4              |      | 1  | 3.00     | 5.00       | ug/Kg   | 10/22/25 10:28 | VY102225 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 19.8              |      | 1  | 3.20     | 5.00       | ug/Kg   | 10/22/25 10:28 | VY102225 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 45.7              |      |    | 63 - 155 | 91%        | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 49.3              |      |    | 70 - 134 | 99%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 49.8              |      |    | 74 - 123 | 100%       | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 49.3              |      |    | 17 - 146 | 99%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 547000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 794000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 700000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 365000            |      |    |          |            |         |                |          |

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\_Y\Data\VY102225\  
 Data File : VY023545.D  
 Acq On : 22 Oct 2025 10:28  
 Operator : SY/MD  
 Sample : VY1022SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1022SBS01

Quant Time: Oct 24 02:26:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025  
 Supervised By :Mahesh Dadoda 10/24/2025

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 546555     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 794303     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 700136     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 365280     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 208863     | 45.699  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 91.400% |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 240525     | 49.282  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 98.560% |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 904633     | 49.771  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 99.540% |        |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 295724     | 49.281  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 98.560% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 78862      | 20.046  | ug/l   | 99       |
| 3) Chloromethane             | 2.074          | 50   | 96728      | 18.049  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.208          | 62   | 130661     | 18.718  | ug/l   | 99       |
| 5) Bromomethane              | 2.592          | 94   | 117294     | 20.024  | ug/l   | 99       |
| 6) Chloroethane              | 2.739          | 64   | 94090      | 19.775  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.056          | 101  | 195620     | 20.184  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.458          | 74   | 51088      | 20.172  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 3.824          | 101  | 107027     | 21.280  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.007          | 142  | 117165     | 20.926  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 4.860          | 59   | 28049      | 82.495  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 100716     | 20.658  | ug/l   | 96       |
| 13) Acrolein                 | 3.653          | 56   | 23166      | 48.218  | ug/l   | 91       |
| 14) Allyl chloride           | 4.391          | 41   | 110064     | 18.524  | ug/l   | 96       |
| 15) Acrylonitrile            | 5.061          | 53   | 90176      | 93.042  | ug/l   | 99       |
| 16) Acetone                  | 3.873          | 43   | 137184     | 126.081 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.110          | 76   | 268938     | 19.273  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.391          | 43   | 49297      | 17.272  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.122          | 73   | 231882     | 19.789  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.622          | 84   | 108140     | 18.380  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.116          | 96   | 109389     | 20.379  | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.019          | 45   | 262379     | 19.963  | ug/l   | 96       |
| 23) Vinyl Acetate            | 5.964          | 43   | 681501     | 95.797  | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 178683     | 20.524  | ug/l   | 100      |
| 25) 2-Butanone               | 6.896          | 43   | 142981     | 107.638 | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 6.884          | 77   | 167931     | 21.021  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 131514     | 21.211  | ug/l   | 94       |
| 28) Bromochloromethane       | 7.250          | 49   | 62608      | 19.264  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 65038      | 86.341  | ug/l   | 93       |
| 30) Chloroform               | 7.421          | 83   | 202767     | 21.198  | ug/l   | 98       |
| 31) Cyclohexane              | 7.707          | 56   | 146973     | 19.331  | ug/l   | 89       |
| 32) 1,1,1-Trichloroethane    | 7.622          | 97   | 185487     | 21.339  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 134867     | 20.873  | ug/l   | 98       |
| 37) Ethyl Acetate            | 6.988          | 43   | 47665      | 18.620  | ug/l # | 96       |
| 38) Carbon Tetrachloride     | 7.823          | 117  | 167506     | 21.380  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.109          | 83   | 174367     | 20.726  | ug/l   | 98       |
| 40) Benzene                  | 8.085          | 78   | 432933     | 21.157  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
 Data File : VY023545.D  
 Acq On : 22 Oct 2025 10:28  
 Operator : SY/MD  
 Sample : VY1022SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## ClientSampleId :

VY1022SBS01

## Manual Integrations

## APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 02:26:30 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 08 05:12:50 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.226  | 41   | 23647    | 17.080  | ug/l # | 67       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 104422   | 19.787  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 93851    | 18.386  | ug/l   | 96       |
| 44) Trichloroethene           | 8.866  | 130  | 131401   | 21.940  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 94941    | 21.006  | ug/l   | 99       |
| 46) Dibromomethane            | 9.231  | 93   | 59570    | 20.843  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.426  | 83   | 152859   | 21.237  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.225  | 41   | 43753    | 18.246  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 12196    | 368.059 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 253262   | 96.032  | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 292104   | 21.986  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 131626   | 21.031  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 154563   | 20.924  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 82907    | 21.572  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 87648    | 19.771  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 126727   | 20.809  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 191490   | 96.421  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.762 | 43   | 201768   | 107.056 | ug/l   | 97       |
| 60) Dibromochloromethane      | 10.908 | 129  | 115294   | 21.397  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 77772    | 21.218  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 165184   | 22.850  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.444 | 112  | 325435   | 21.371  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 116407   | 21.452  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.518 | 91   | 522038   | 21.179  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 428308   | 43.322  | ug/l   | 99       |
| 69) o-Xylene                  | 11.956 | 106  | 200731   | 21.646  | ug/l   | 97       |
| 70) Styrene                   | 11.969 | 104  | 325186   | 21.324  | ug/l   | 100      |
| 71) Bromoform                 | 12.133 | 173  | 69048    | 20.514  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 521665   | 21.671  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.072 | 43   | 76665    | 17.731  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 75537    | 19.185  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 60391m   | 18.739  | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 136360   | 21.307  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.597 | 91   | 603121   | 21.651  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 348031   | 21.335  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 426677   | 21.935  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 26519    | 20.178  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 358213   | 21.322  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 393129   | 21.889  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 420267   | 21.648  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 561763   | 21.804  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 485141   | 22.116  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 265067   | 21.270  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 260280   | 21.147  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.615 | 91   | 407439   | 21.317  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 100017   | 21.199  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 232327   | 21.264  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 12117    | 18.756  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 138915   | 20.394  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 88730    | 20.897  | ug/l   | 97       |
| 95) Naphthalene               | 15.145 | 128  | 204152   | 18.822  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 116532   | 19.751  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023545.D  
Acq On : 22 Oct 2025 10:28  
Operator : SY/MD  
Sample : VY1022SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 02:26:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

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

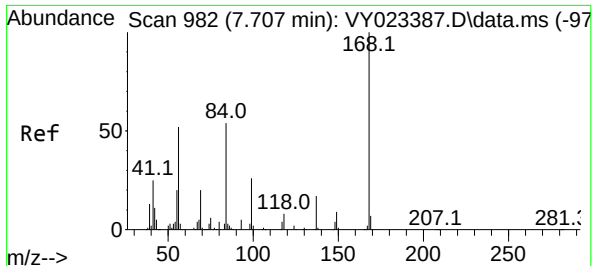
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VY1022SBS01

## Manual Integrations

Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025





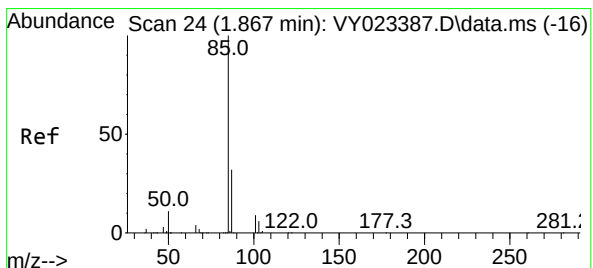
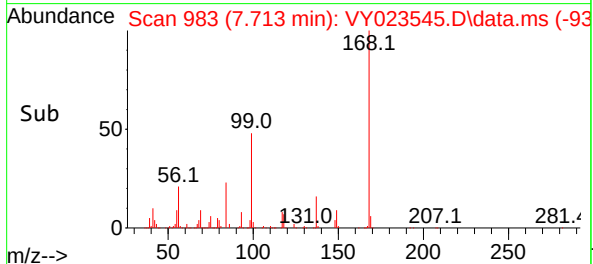
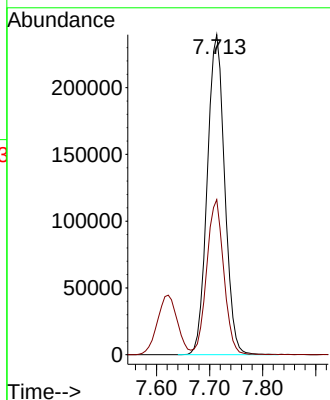
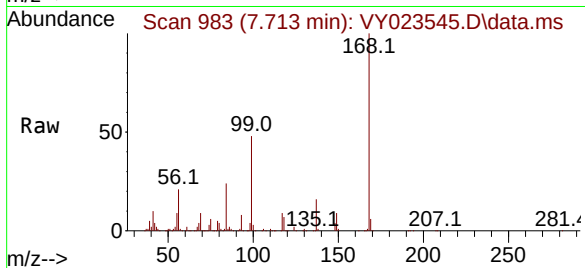
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion:168 Resp: 54655  
Ion Ratio Lower Upper  
168 100  
99 48.4 39.7 59.5

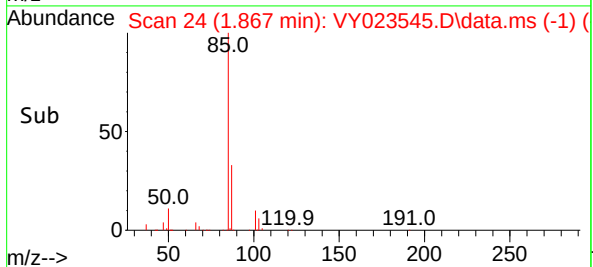
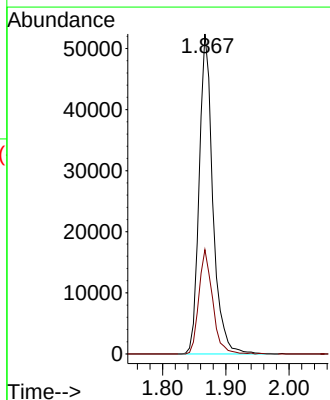
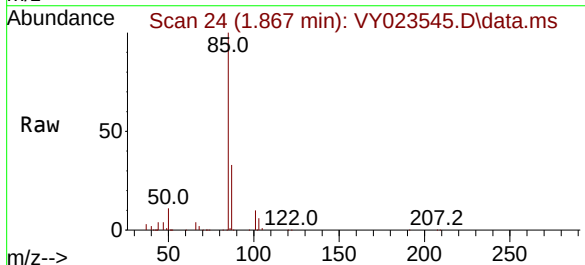
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

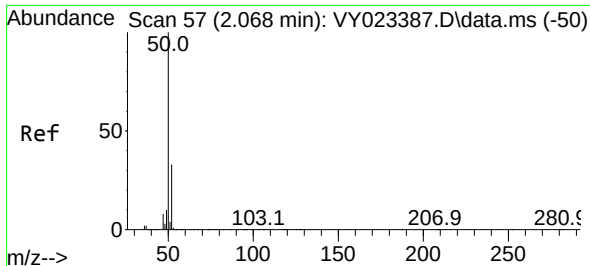


#2  
Dichlorodifluoromethane  
Concen: 20.046 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 85 Resp: 78862  
Ion Ratio Lower Upper  
85 100  
87 32.6 16.0 47.9







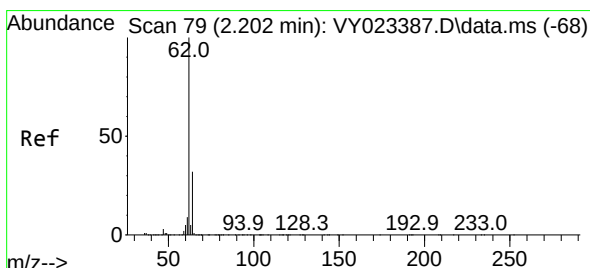
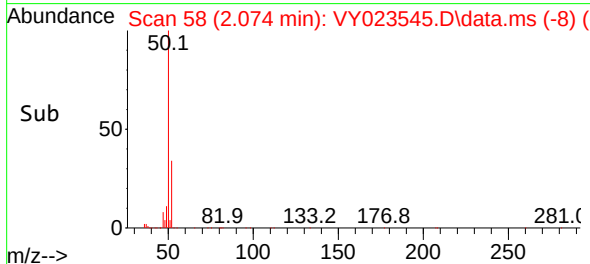
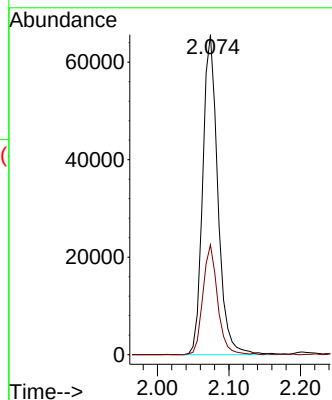
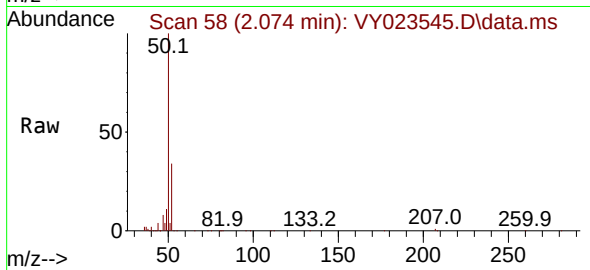
#3  
Chloromethane  
Concen: 18.049 ug/l  
RT: 2.074 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion: 50 Resp: 96728  
Ion Ratio Lower Upper  
50 100  
52 34.4 26.2 39.2

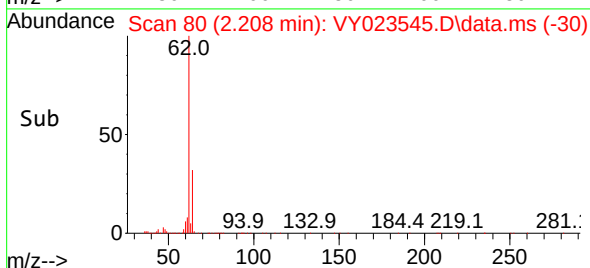
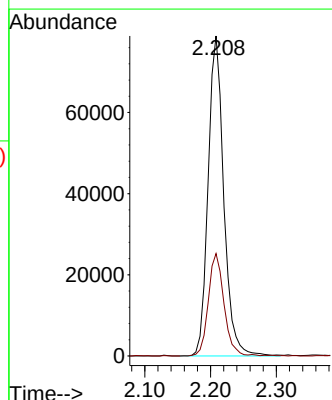
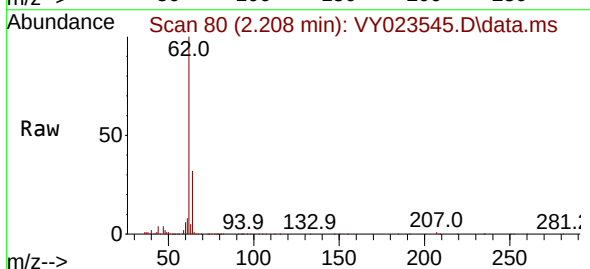
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

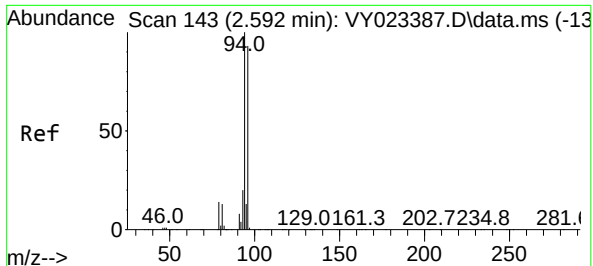


#4  
Vinyl Chloride  
Concen: 18.718 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 62 Resp: 130661  
Ion Ratio Lower Upper  
62 100  
64 32.0 25.8 38.8







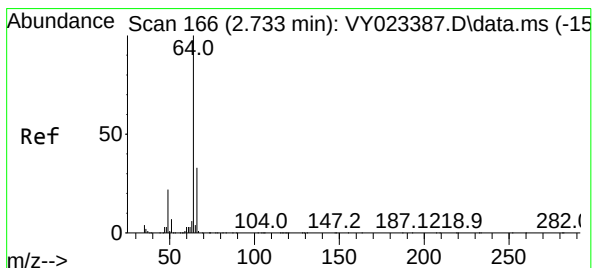
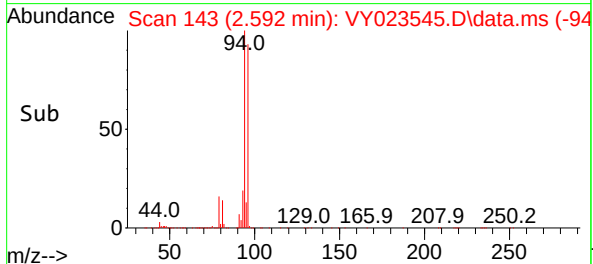
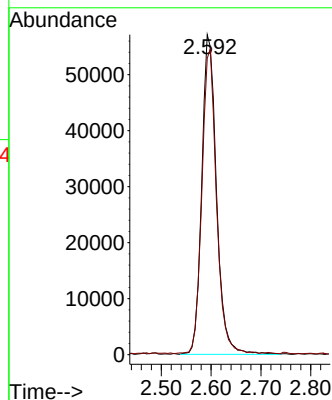
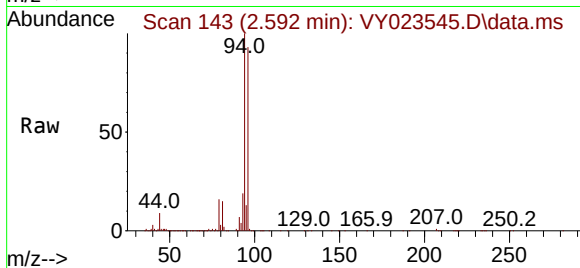
#5  
Bromomethane  
Concen: 20.024 ug/l  
RT: 2.592 min Scan# 143  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion: 94 Resp: 117294  
Ion Ratio Lower Upper  
94 100  
96 92.4 74.5 111.7

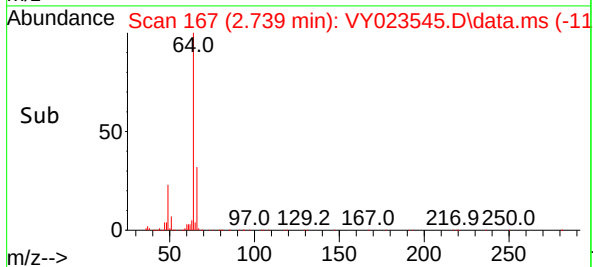
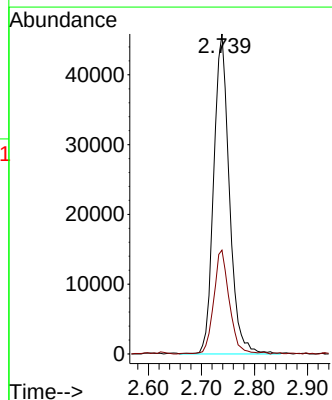
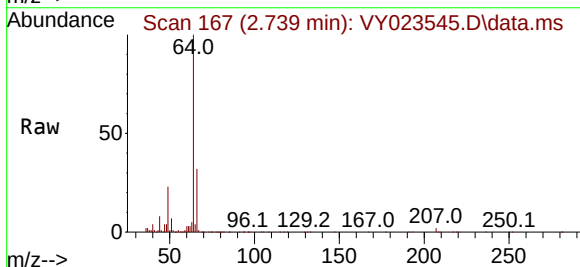
Manual Integrations  
APPROVED

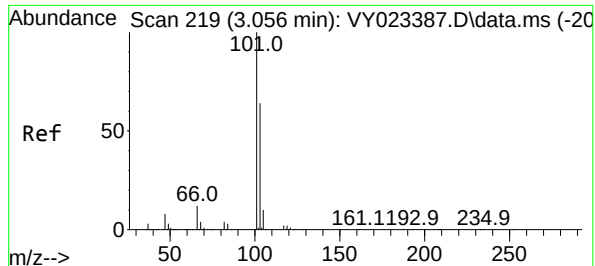
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#6  
Chloroethane  
Concen: 19.775 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 64 Resp: 94090  
Ion Ratio Lower Upper  
64 100  
66 32.3 26.2 39.4





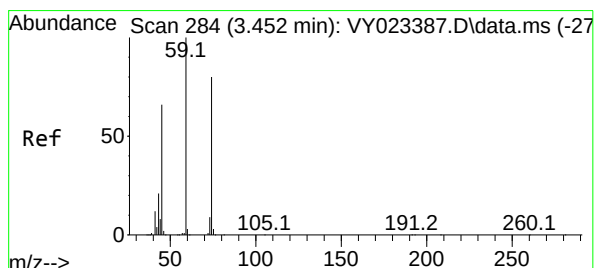
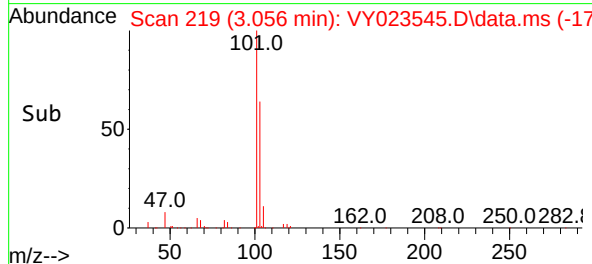
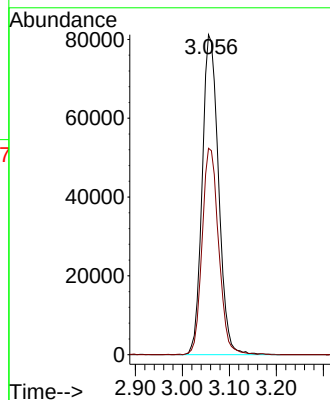
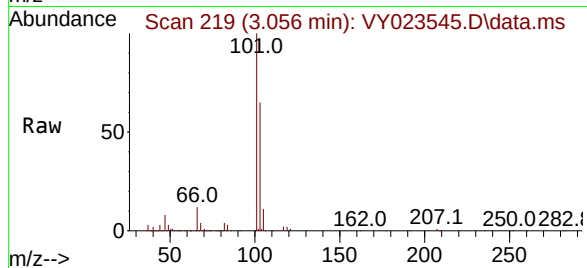
#7  
Trichlorofluoromethane  
Concen: 20.184 ug/l  
RT: 3.056 min Scan# 219  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion:101 Resp: 195620  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.3 76.9

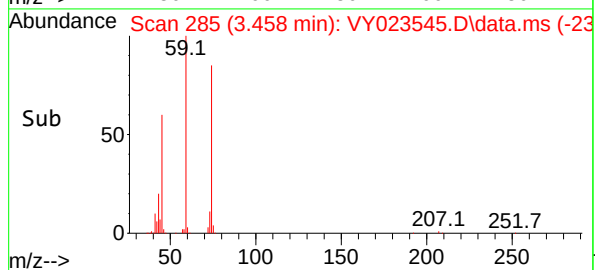
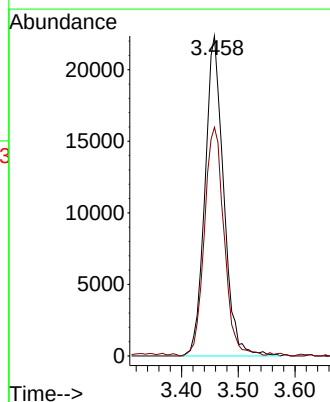
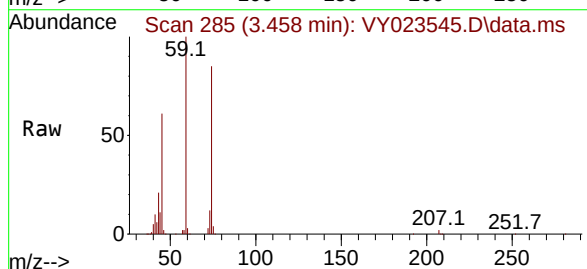
Manual Integrations  
APPROVED

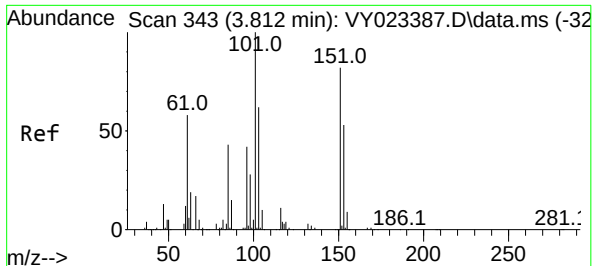
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#8  
Diethyl Ether  
Concen: 20.172 ug/l  
RT: 3.458 min Scan# 285  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 74 Resp: 51088  
Ion Ratio Lower Upper  
74 100  
45 75.5 39.9 119.7





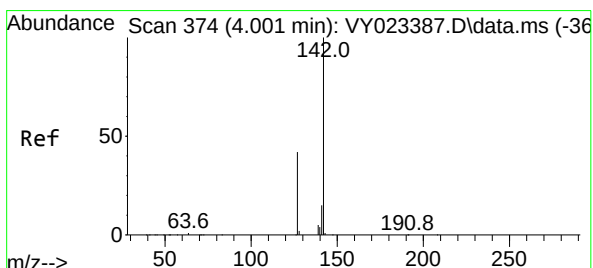
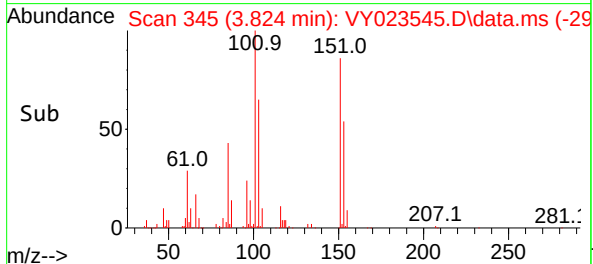
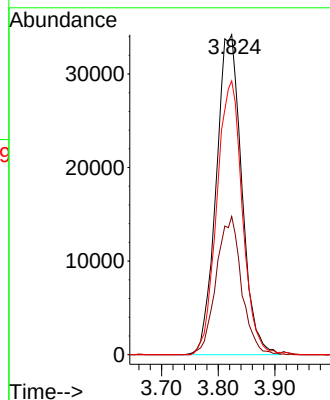
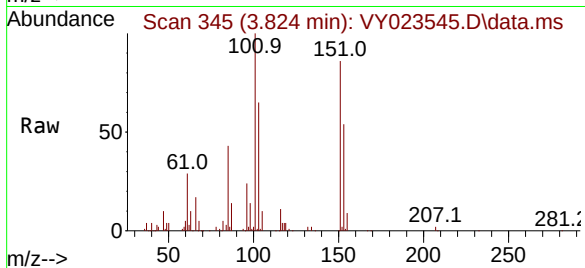
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.280 ug/l  
RT: 3.824 min Scan# 343  
Delta R.T. 0.012 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion:101 Resp: 10702  
Ion Ratio Lower Upper  
101 100  
85 42.9 34.6 51.8  
151 85.6 67.0 100.6

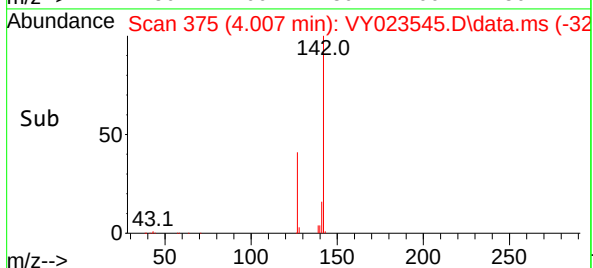
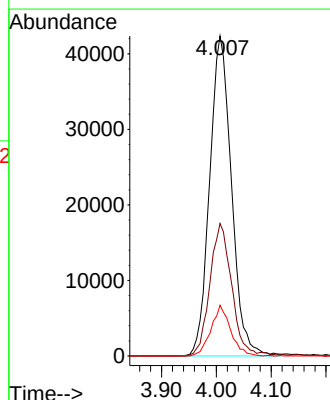
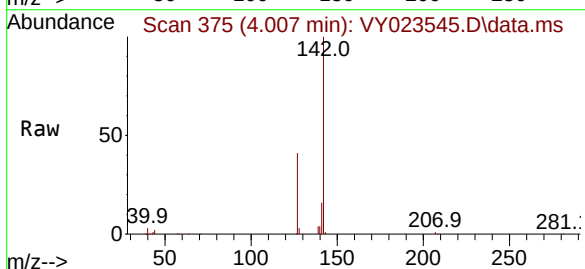
Manual Integrations  
APPROVED

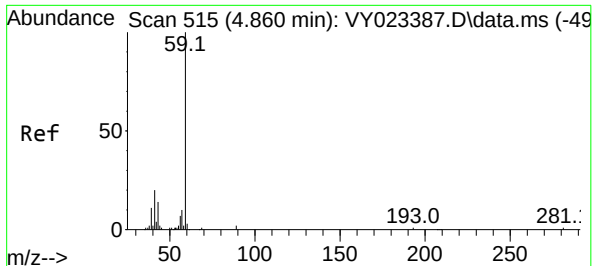
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#10  
Methyl Iodide  
Concen: 20.926 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion:142 Resp: 117165  
Ion Ratio Lower Upper  
142 100  
127 41.3 34.8 52.2  
141 14.2 11.6 17.4





#11

Tert butyl alcohol

Concen: 82.495 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 59 Resp: 28049

Ion Ratio Lower Upper

59 100

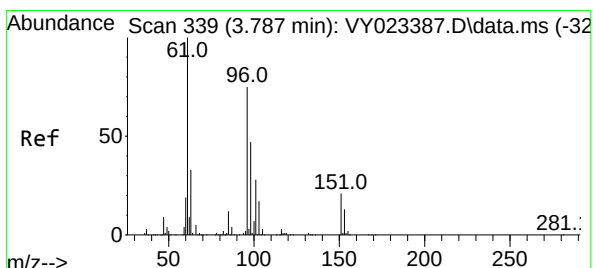
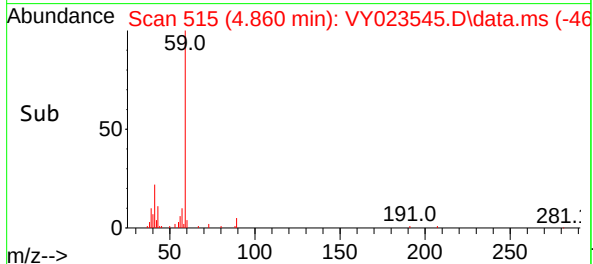
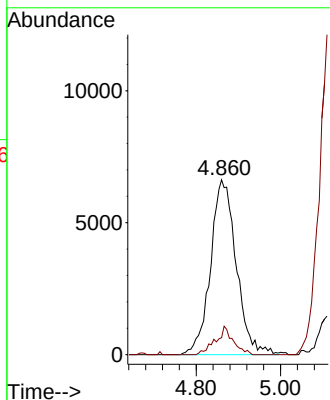
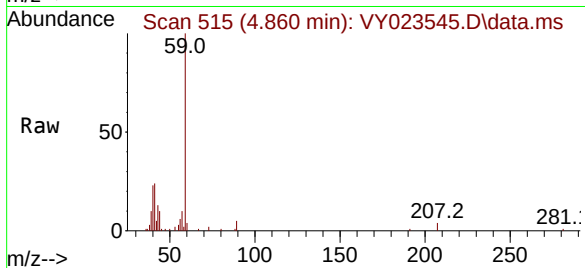
57 11.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#12

1,1-Dichloroethene

Concen: 20.658 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

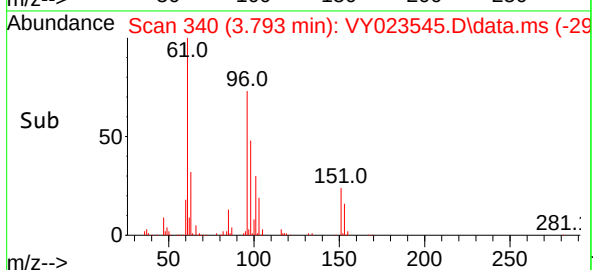
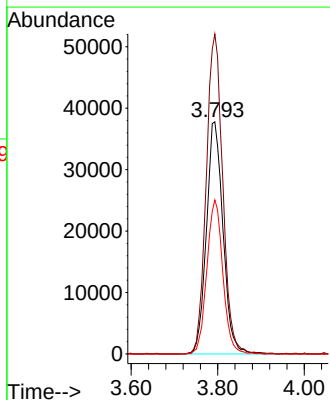
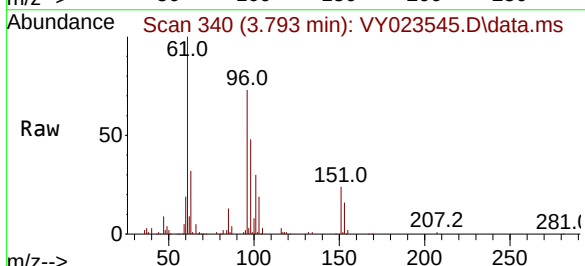
Tgt Ion: 96 Resp: 100716

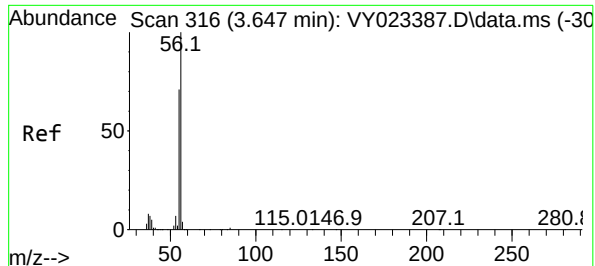
Ion Ratio Lower Upper

96 100

61 137.8 106.7 160.1

98 66.4 50.2 75.4





#13

Acrolein

Concen: 48.218 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 56 Resp: 2316

Ion Ratio Lower Upper

56 100

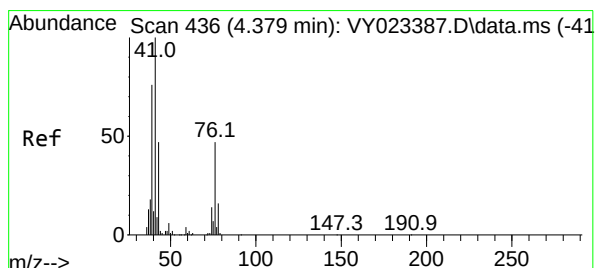
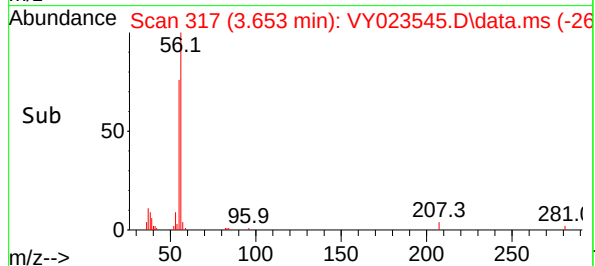
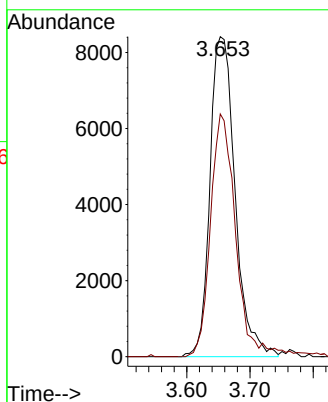
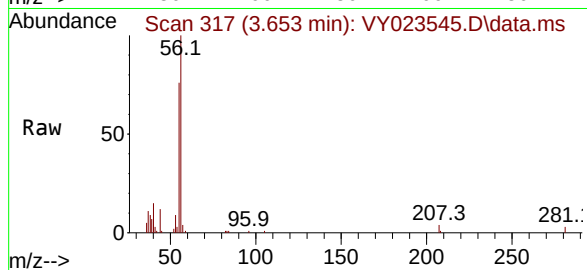
55 77.1 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#14

Allyl chloride

Concen: 18.524 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.012 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

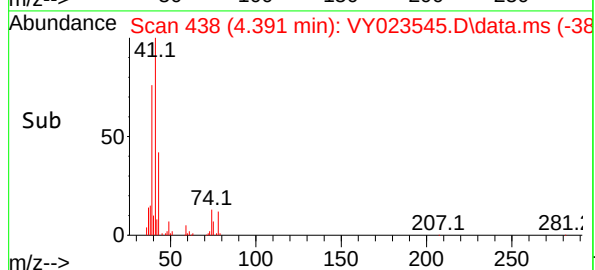
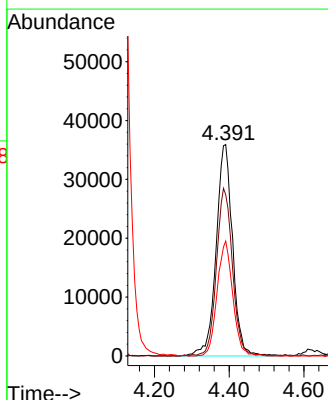
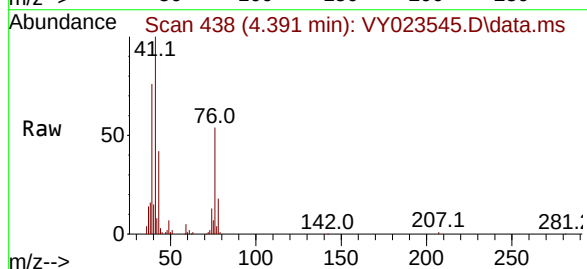
Tgt Ion: 41 Resp: 110064

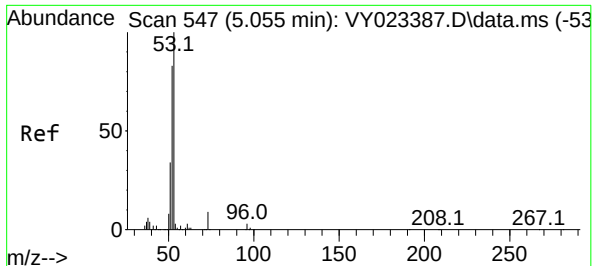
Ion Ratio Lower Upper

41 100

39 77.2 59.9 89.9

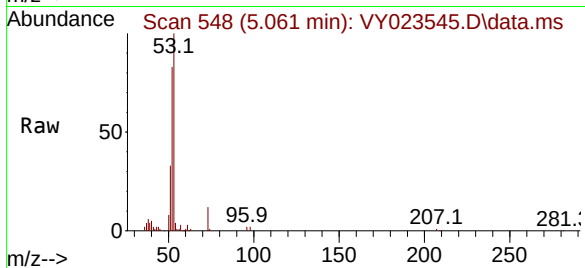
76 51.6 38.0 57.0





#15  
Acrylonitrile  
Concen: 93.042 ug/l  
RT: 5.061 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

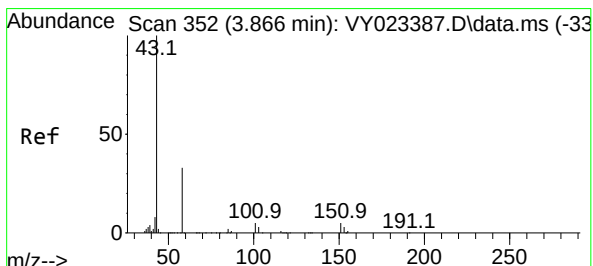
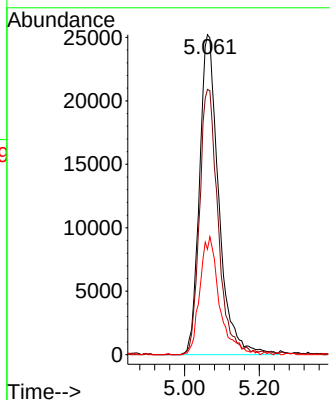
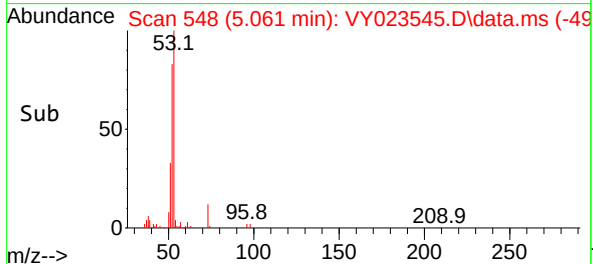
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01



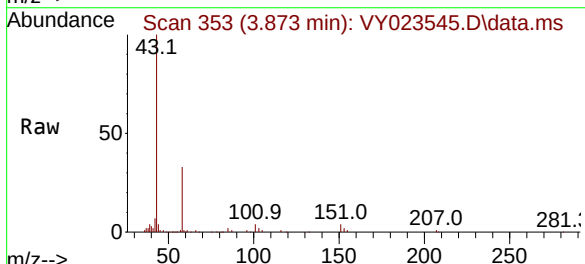
Tgt Ion: 53 Resp: 90170  
Ion Ratio Lower Upper  
53 100  
52 79.9 64.6 97.0  
51 37.2 29.5 44.3

Manual Integrations  
APPROVED

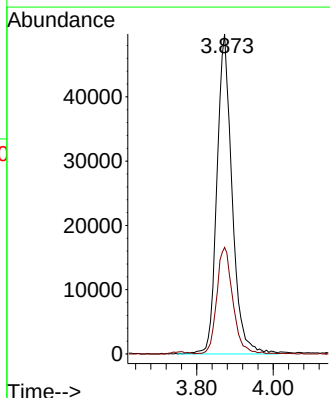
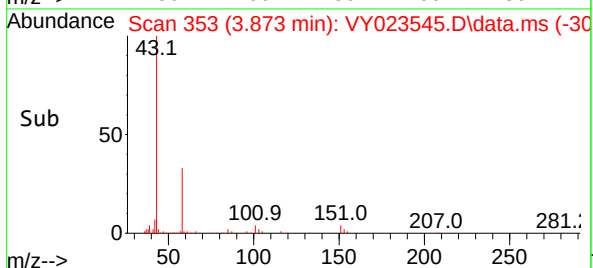
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

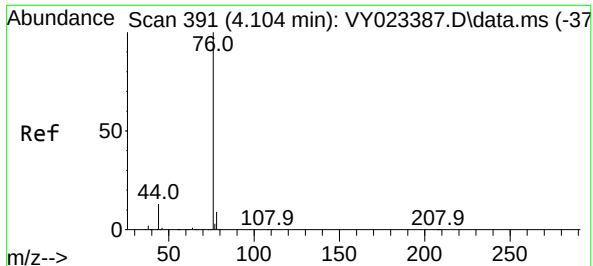


#16  
Acetone  
Concen: 126.081 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28



Tgt Ion: 43 Resp: 137184  
Ion Ratio Lower Upper  
43 100  
58 33.2 27.7 41.5





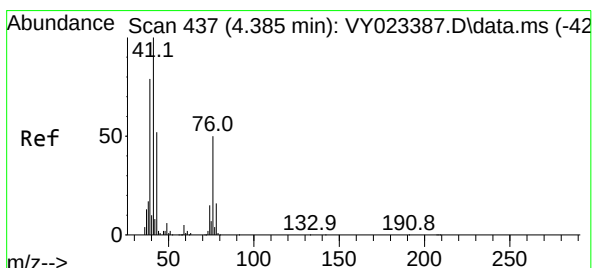
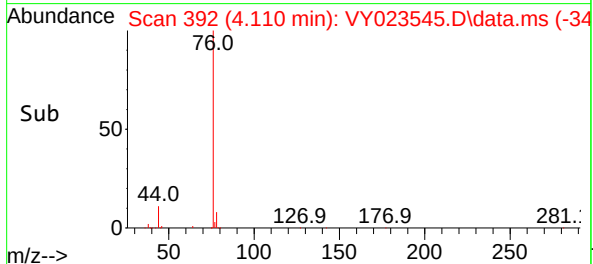
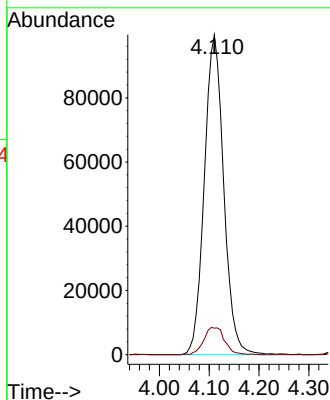
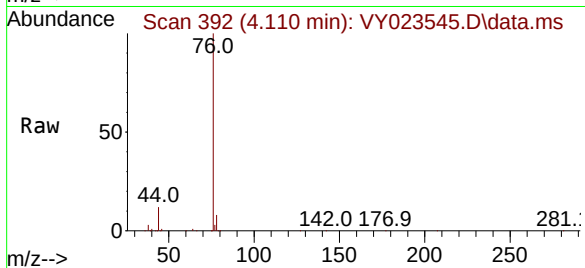
#17  
Carbon Disulfide  
Concen: 19.273 ug/l  
RT: 4.110 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion: 76 Resp: 268938  
Ion Ratio Lower Upper  
76 100  
78 8.3 7.3 10.9

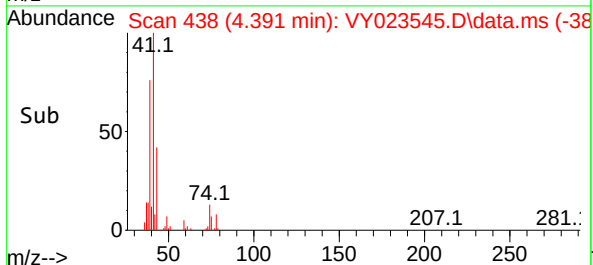
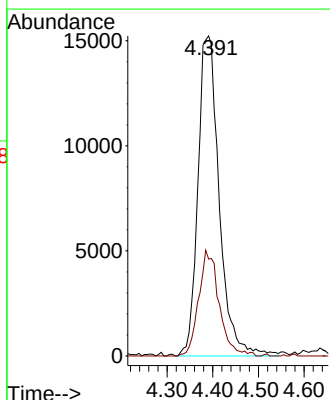
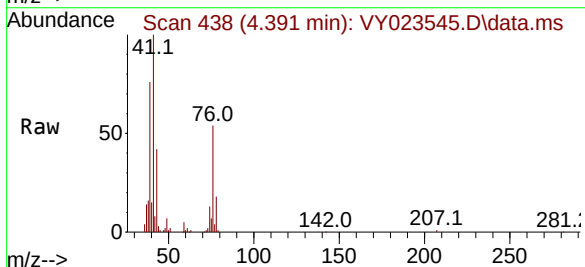
Manual Integrations  
APPROVED

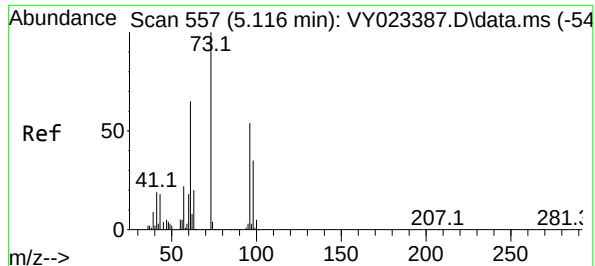
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#18  
Methyl Acetate  
Concen: 17.272 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 43 Resp: 49297  
Ion Ratio Lower Upper  
43 100  
74 31.6 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 19.789 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 73 Resp: 23188

Ion Ratio Lower Upper

73 100

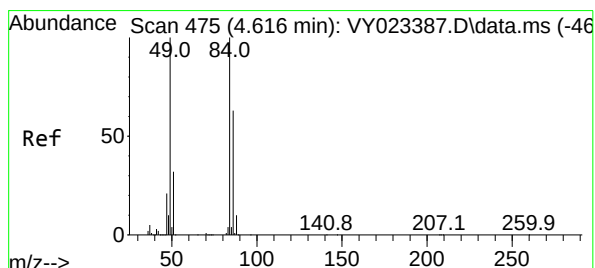
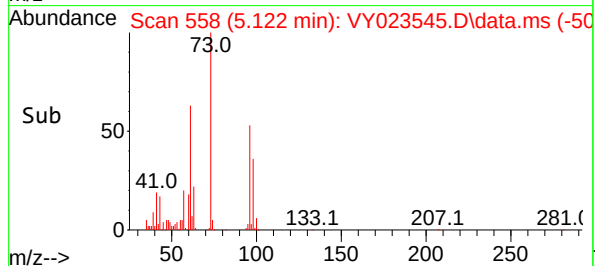
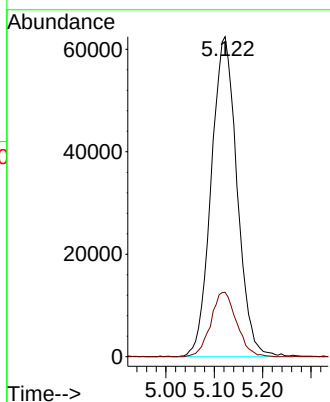
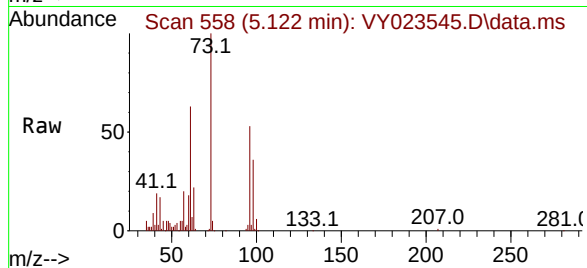
57 20.2 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#20

Methylene Chloride

Concen: 18.380 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Tgt Ion: 84 Resp: 108140

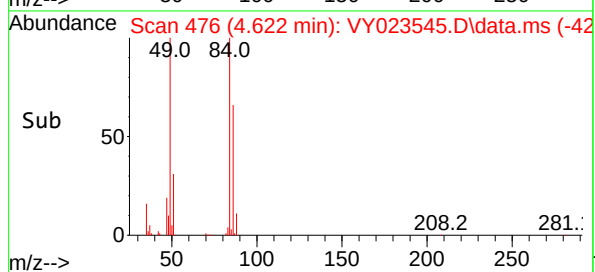
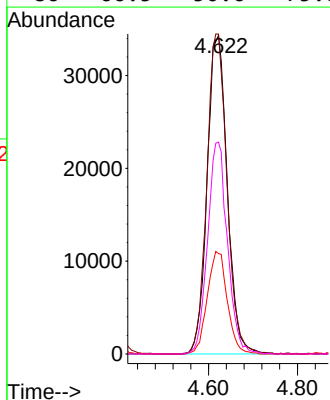
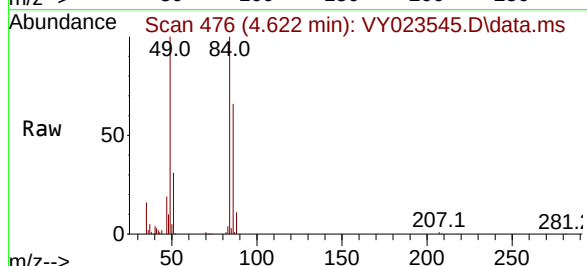
Ion Ratio Lower Upper

84 100

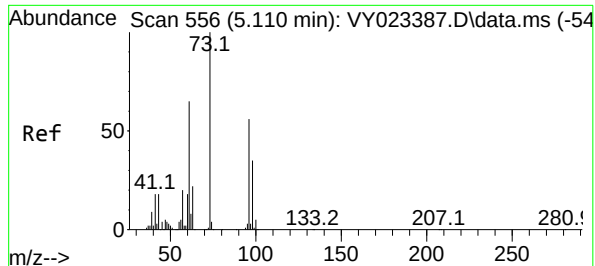
49 100.4 80.2 120.4

51 31.5 25.9 38.9

86 66.5 50.6 75.8







#21

trans-1,2-Dichloroethene

Concen: 20.379 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 96 Resp: 109389

Ion Ratio Lower Upper

96 100

61 117.6 92.7 139.1

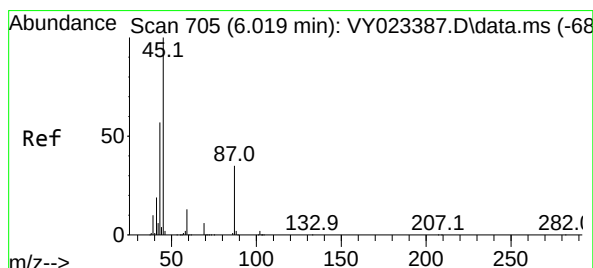
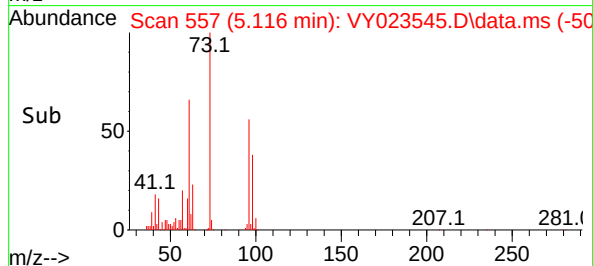
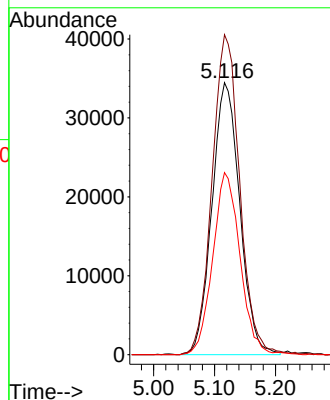
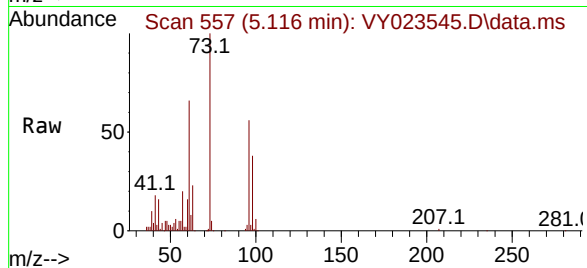
98 66.9 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#22

Diisopropyl ether

Concen: 19.963 ug/l

RT: 6.019 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Tgt Ion: 45 Resp: 262379

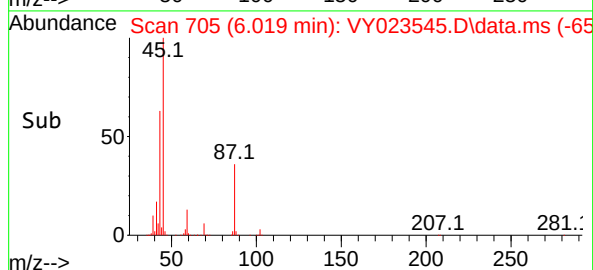
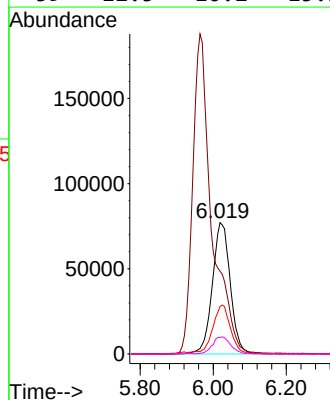
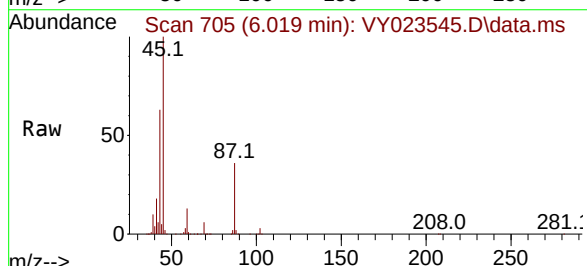
Ion Ratio Lower Upper

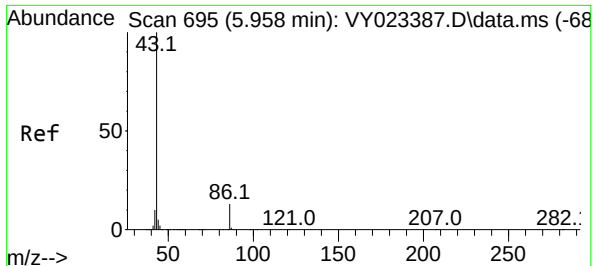
45 100

43 62.2 45.6 68.4

87 36.1 28.1 42.1

59 12.5 10.2 15.2





#23

Vinyl Acetate

Concen: 95.797 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 43 Resp: 68150

Ion Ratio Lower Upper

43

100

86

14.9

10.6

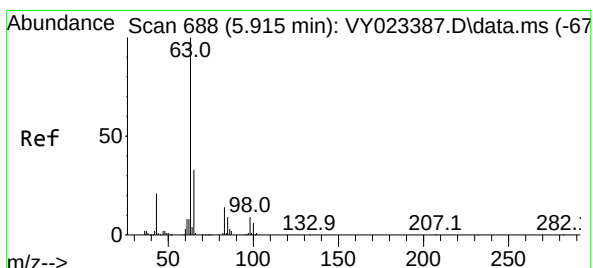
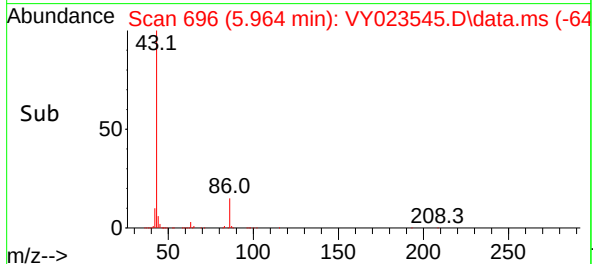
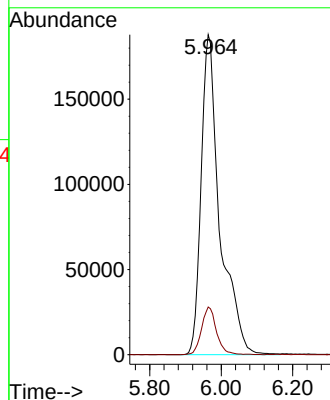
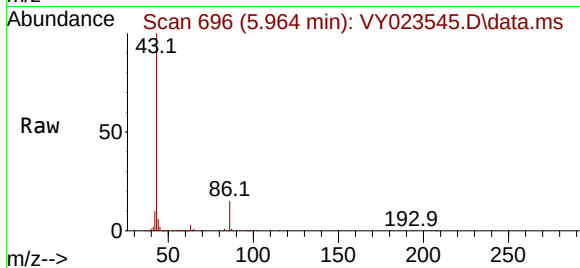
15.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#24

1,1-Dichloroethane

Concen: 20.524 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Tgt Ion: 63 Resp: 178683

Ion Ratio Lower Upper

63

100

98

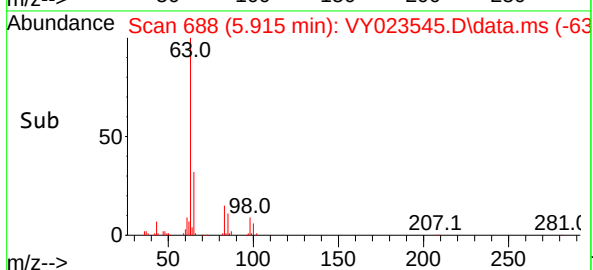
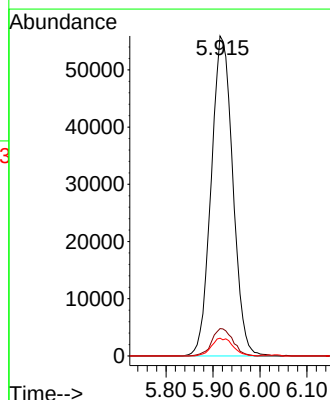
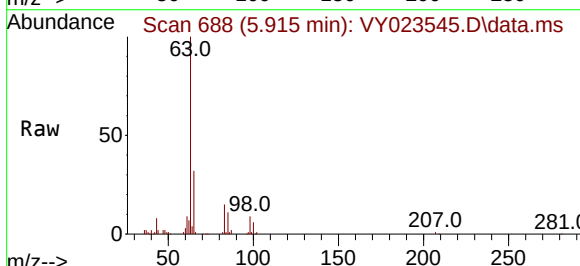
8.6

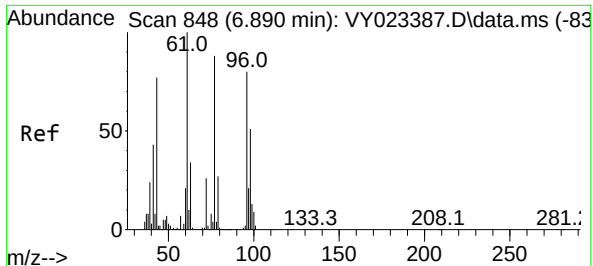
100

5.5

2.8

8.4





#25

2-Butanone

Concen: 107.638 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 43 Resp: 14298

Ion Ratio Lower Upper

43 100

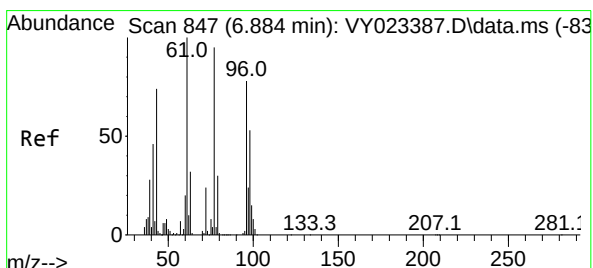
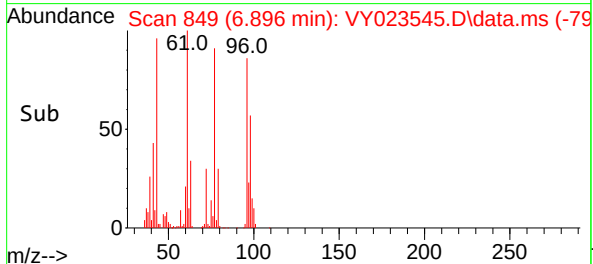
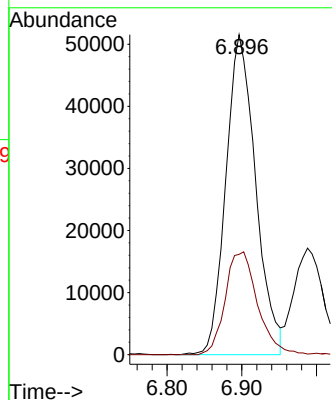
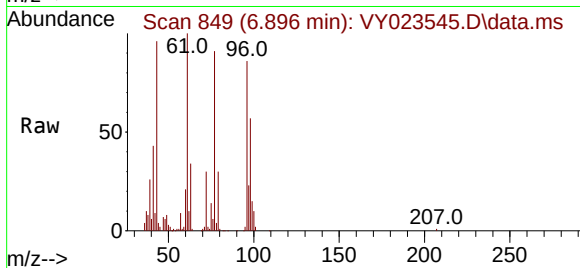
72 31.3 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#26

2,2-Dichloropropane

Concen: 21.021 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023545.D

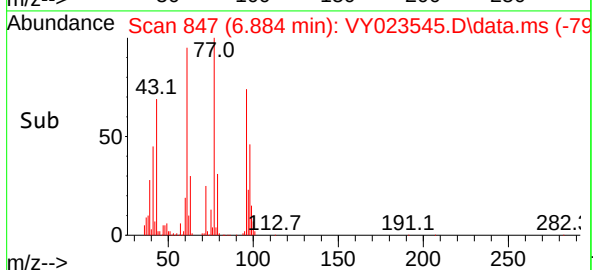
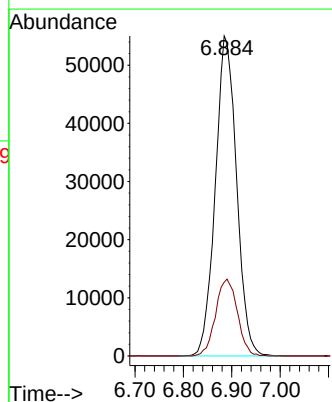
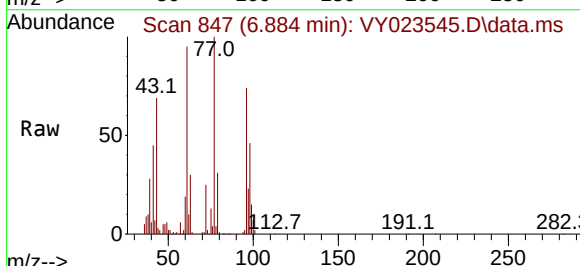
Acq: 22 Oct 2025 10:28

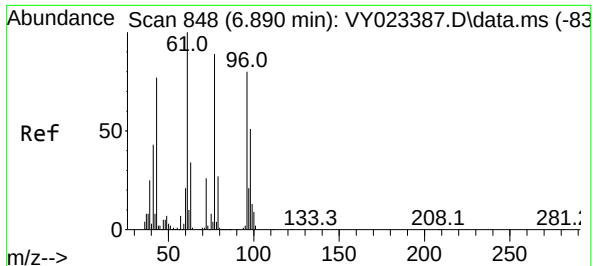
Tgt Ion: 77 Resp: 167931

Ion Ratio Lower Upper

77 100

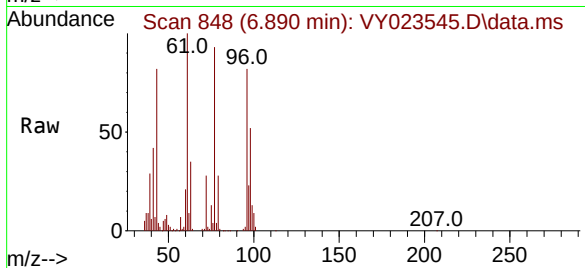
97 24.6 12.1 36.3





#27  
cis-1,2-Dichloroethene  
Concen: 21.211 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

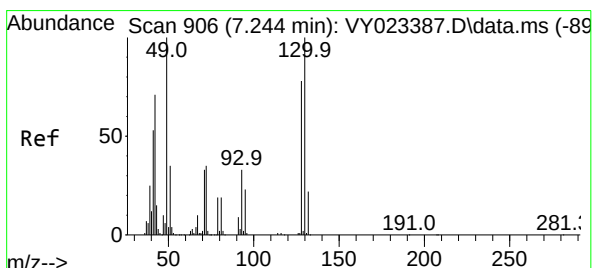
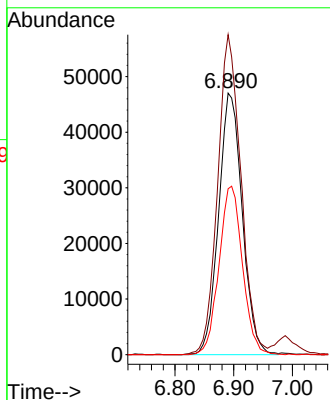
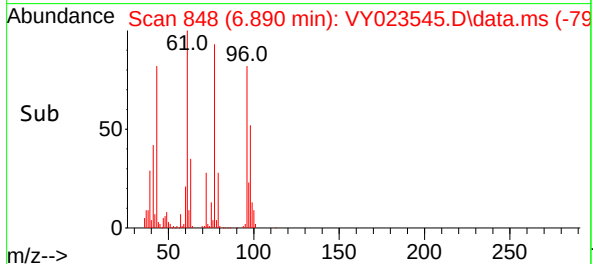
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01



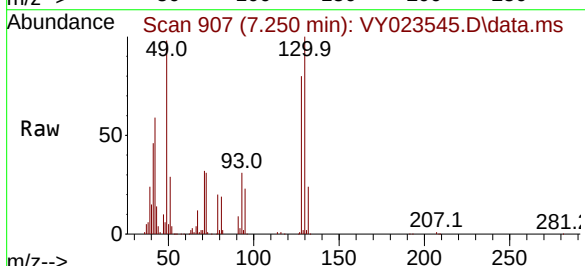
Tgt Ion: 96 Resp: 131514  
Ion Ratio Lower Upper  
96 100  
61 120.8 0.0 258.2  
98 63.9 0.0 132.0

Manual Integrations  
APPROVED

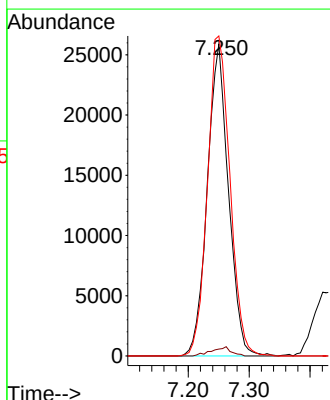
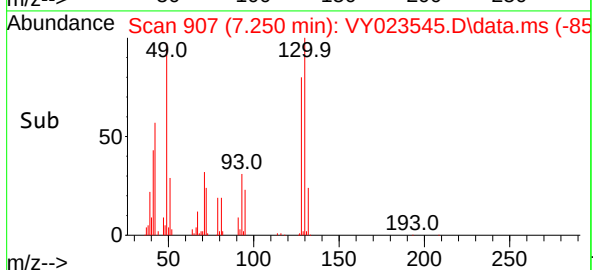
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

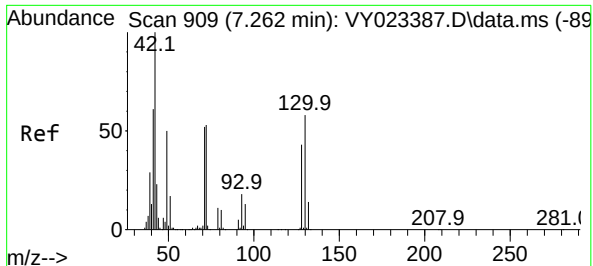


#28  
Bromochloromethane  
Concen: 19.264 ug/l  
RT: 7.250 min Scan# 907  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28



Tgt Ion: 49 Resp: 62608  
Ion Ratio Lower Upper  
49 100  
129 2.7 0.0 5.6  
130 108.9 81.9 122.9





#29

Tetrahydrofuran

Concen: 86.341 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 42 Resp: 65038

Ion Ratio Lower Upper

42

100

72

71

58.5

54.7

43.0

40.1

64.6

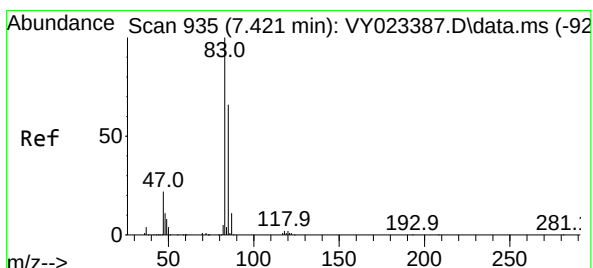
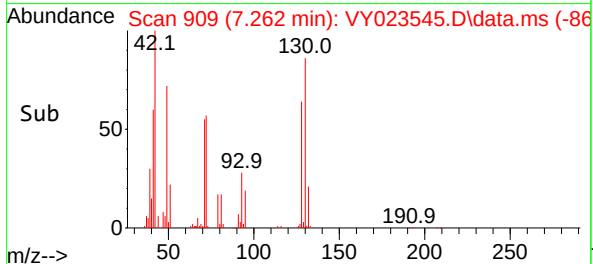
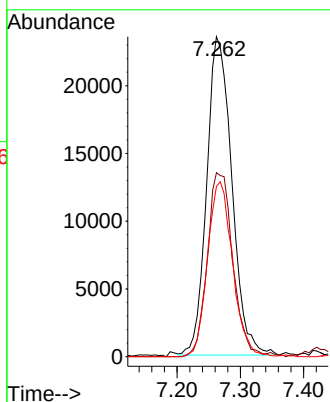
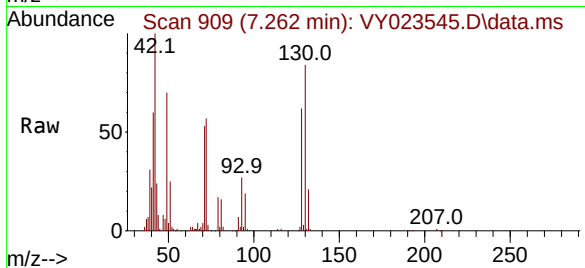
60.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#30

Chloroform

Concen: 21.198 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Tgt Ion: 83 Resp: 202767

Ion Ratio Lower Upper

83

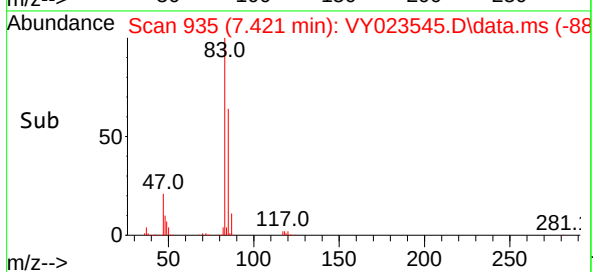
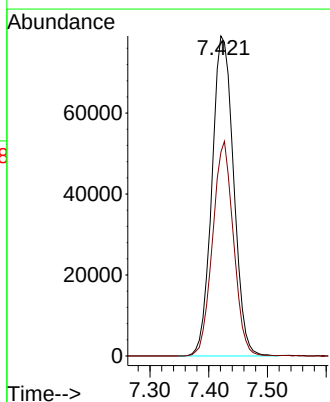
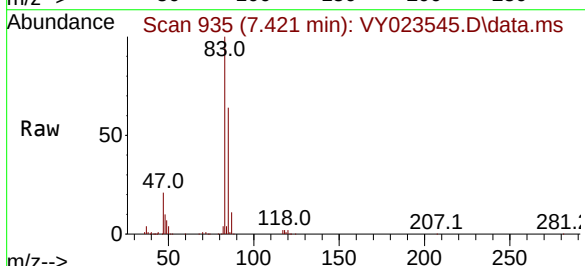
100

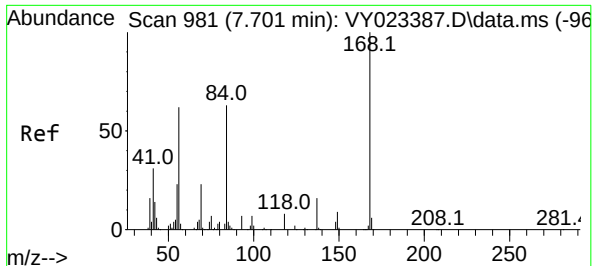
85

63.7

52.5

78.7





#31

Cyclohexane

Concen: 19.331 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 56 Resp: 14697

Ion Ratio Lower Upper

56 100

69 44.9 30.0 45.0

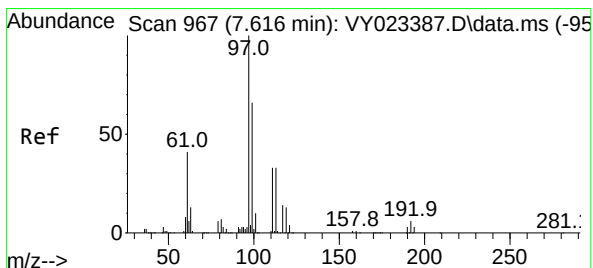
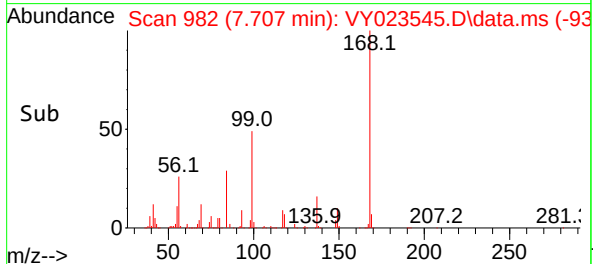
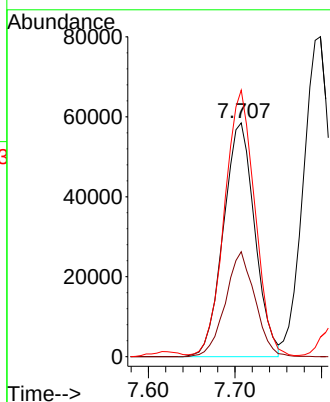
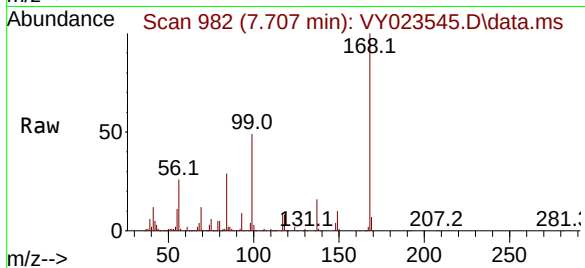
84 112.5 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#32

1,1,1-Trichloroethane

Concen: 21.339 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

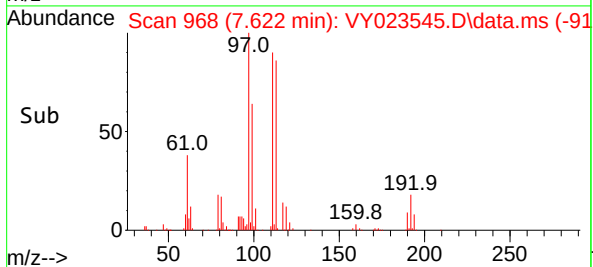
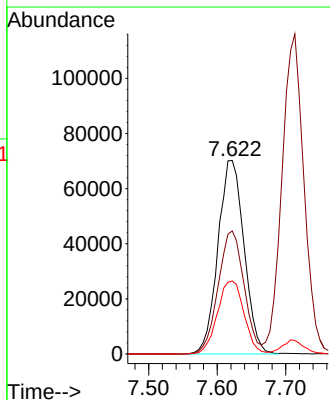
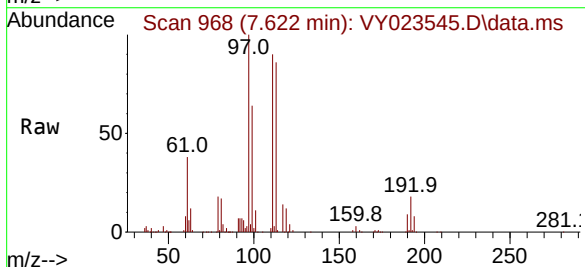
Tgt Ion: 97 Resp: 185487

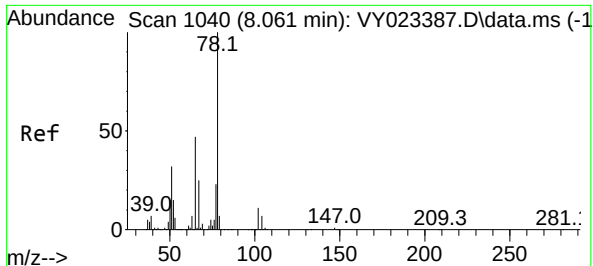
Ion Ratio Lower Upper

97 100

99 63.2 51.4 77.2

61 38.4 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 45.699 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 65 Resp: 20886

Ion Ratio Lower Upper

65 100

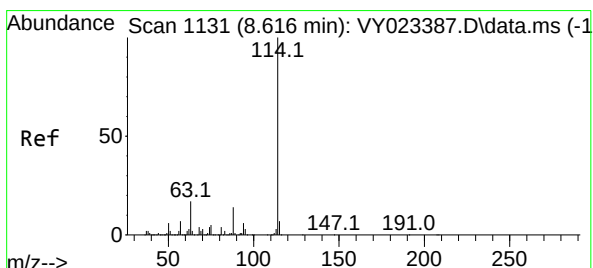
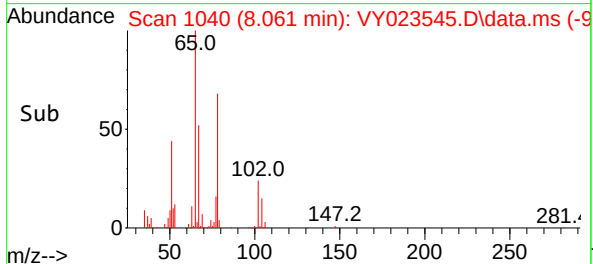
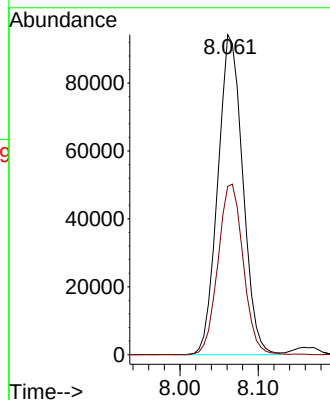
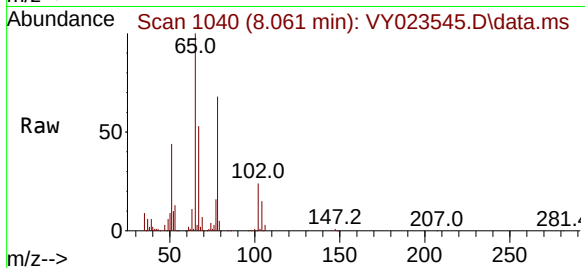
67 53.8 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

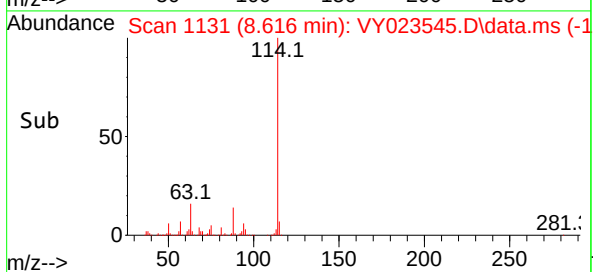
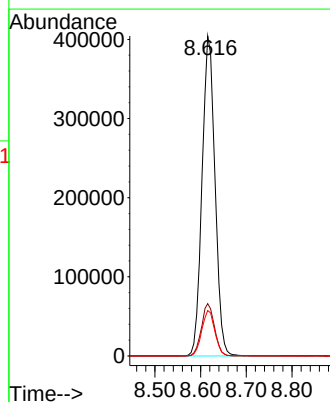
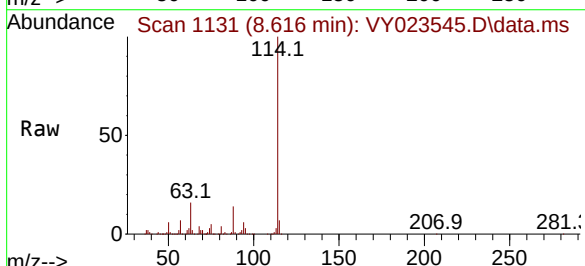
Tgt Ion:114 Resp: 794303

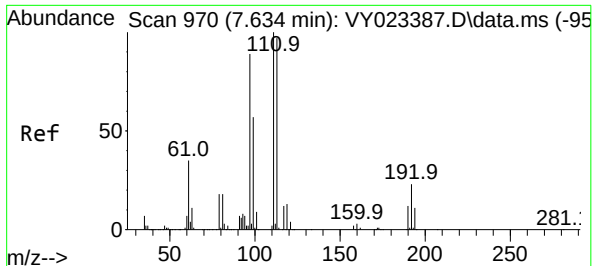
Ion Ratio Lower Upper

114 100

63 16.3 0.0 34.2

88 14.2 0.0 28.4





#35

Dibromofluoromethane

Concen: 49.282 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion:113 Resp: 24052

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.6

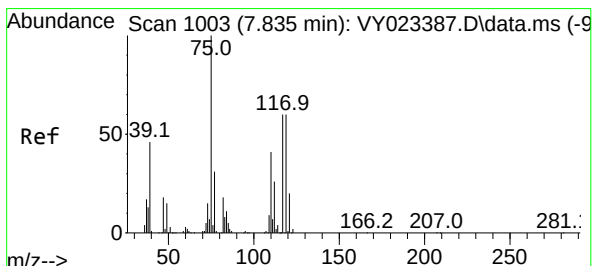
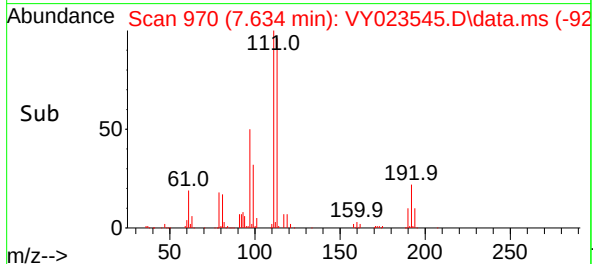
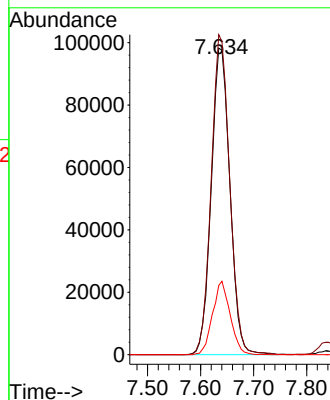
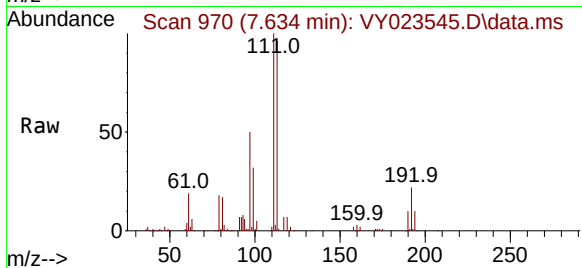
192 22.6 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#36

1,1-Dichloropropene

Concen: 20.873 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

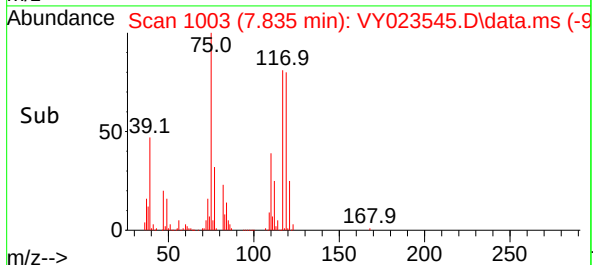
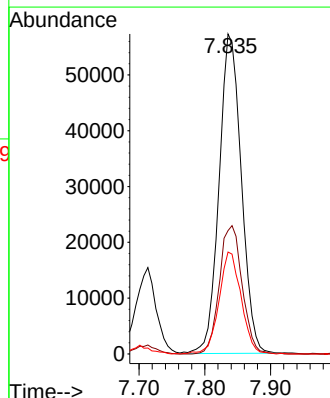
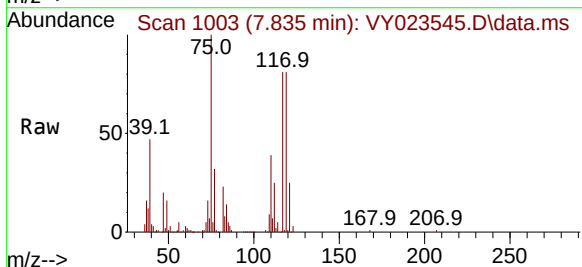
Tgt Ion: 75 Resp: 134867

Ion Ratio Lower Upper

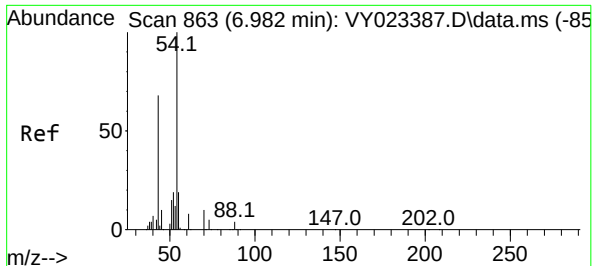
75 100

110 41.2 19.9 59.7

77 31.7 25.0 37.6







#37

Ethyl Acetate

Concen: 18.620 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 43 Resp: 4766

Ion Ratio Lower Upper

43 100

61 17.8 11.8 17.8

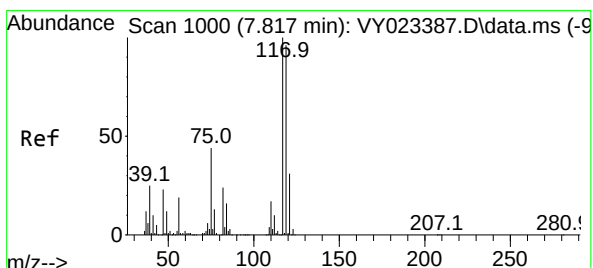
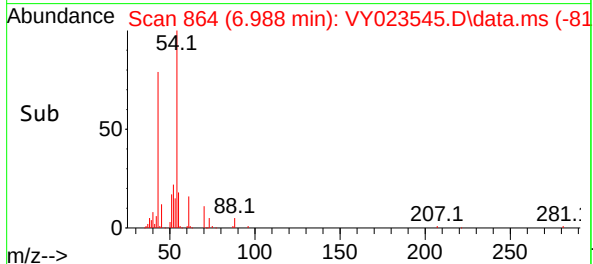
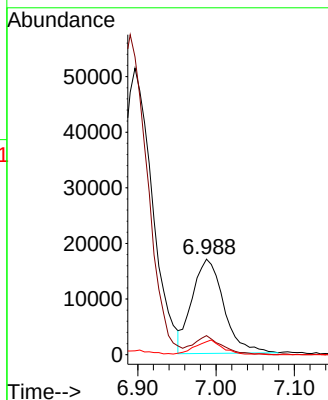
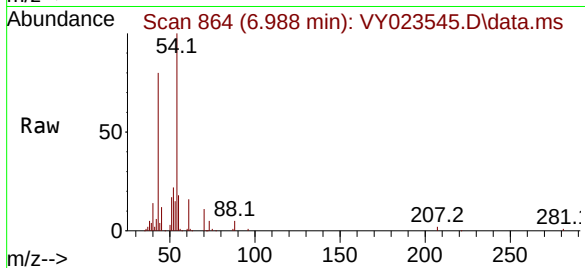
70 13.5 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#38

Carbon Tetrachloride

Concen: 21.380 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

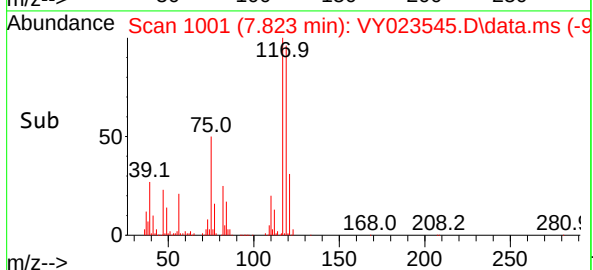
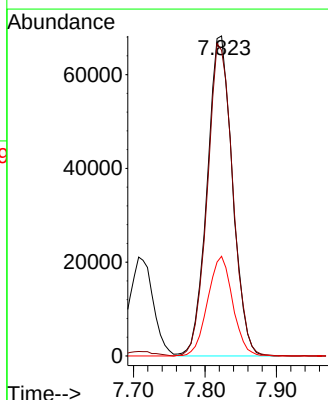
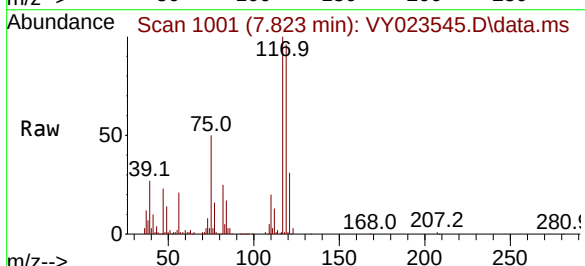
Tgt Ion:117 Resp: 167506

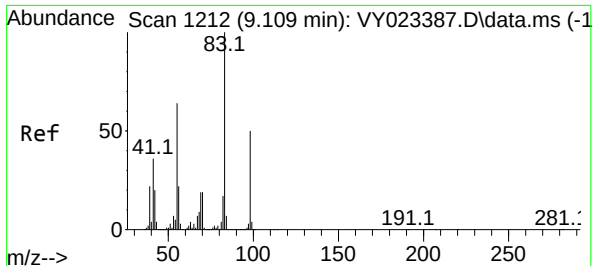
Ion Ratio Lower Upper

117 100

119 95.5 76.8 115.2

121 31.2 24.5 36.7





#39

Methylcyclohexane

Concen: 20.726 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 83 Resp: 17436

Ion Ratio Lower Upper

83 100

55 66.0 51.4 77.2

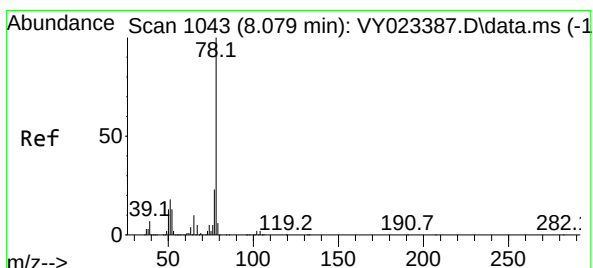
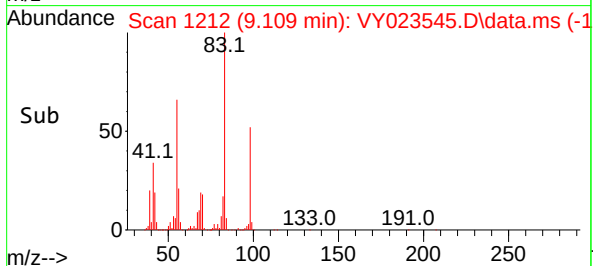
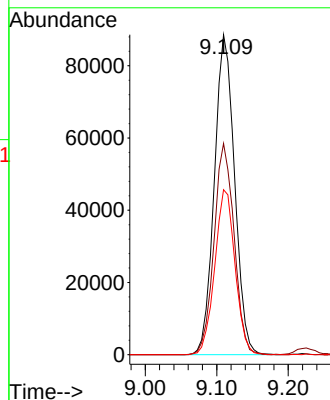
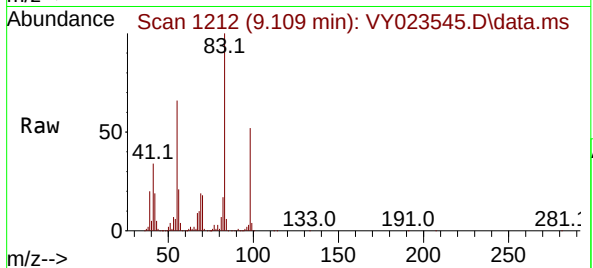
98 51.6 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#40

Benzene

Concen: 21.157 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY023545.D

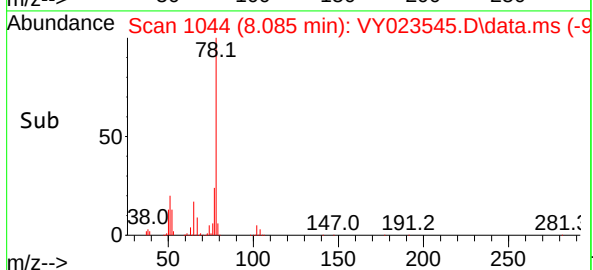
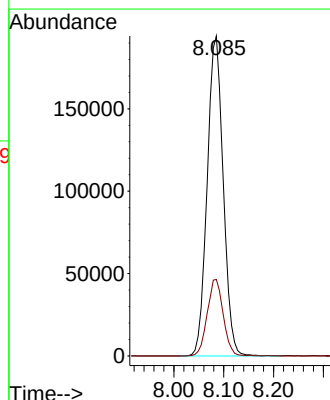
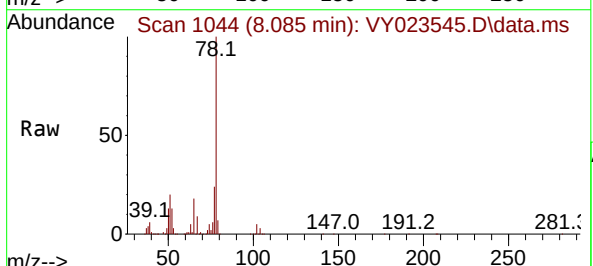
Acq: 22 Oct 2025 10:28

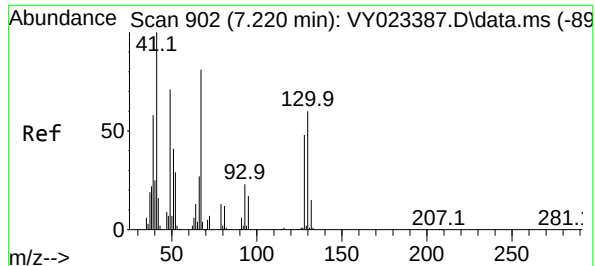
Tgt Ion: 78 Resp: 432933

Ion Ratio Lower Upper

78 100

77 23.9 18.3 27.5





#41

Methacrylonitrile

Concen: 17.080 ug/l

RT: 7.226 min Scan# 902

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 41 Resp: 2364

Ion Ratio Lower Upper

41 100

39 0.0 52.2 78.4

67 102.5 74.9 112.3

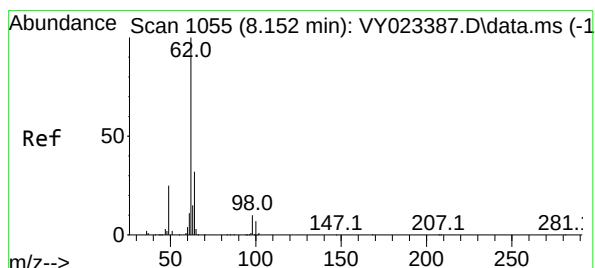
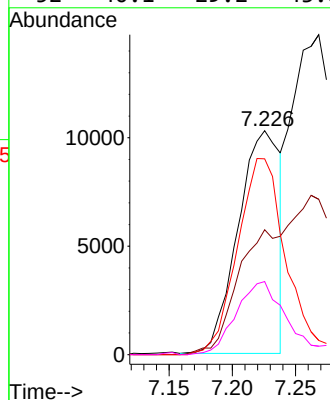
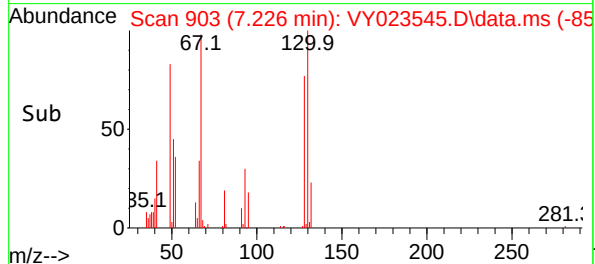
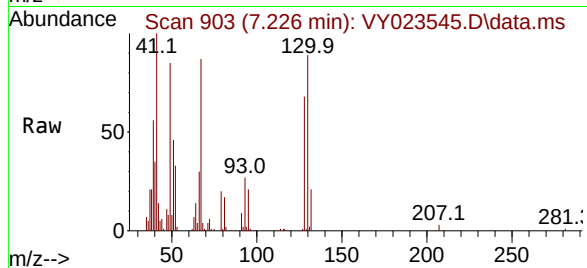
52 40.1 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#42

1,2-Dichloroethane

Concen: 19.787 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VY023545.D

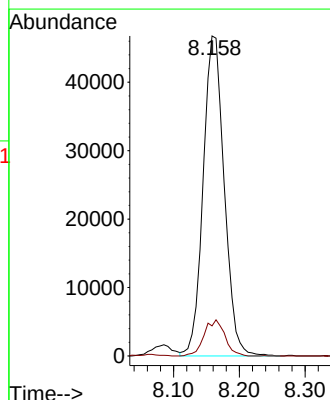
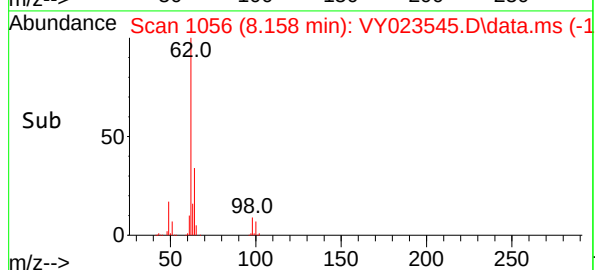
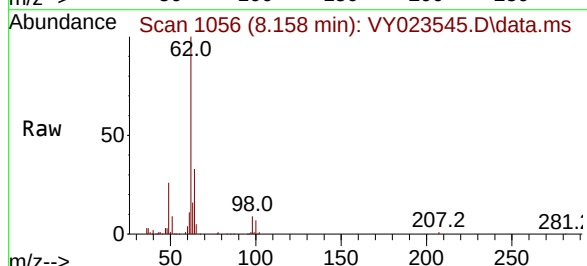
Acq: 22 Oct 2025 10:28

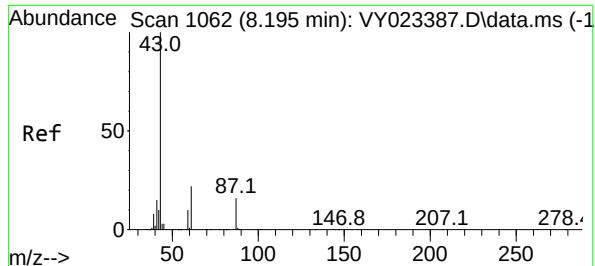
Tgt Ion: 62 Resp: 104422

Ion Ratio Lower Upper

62 100

98 11.2 0.0 21.6





#43

Isopropyl Acetate

Concen: 18.386 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

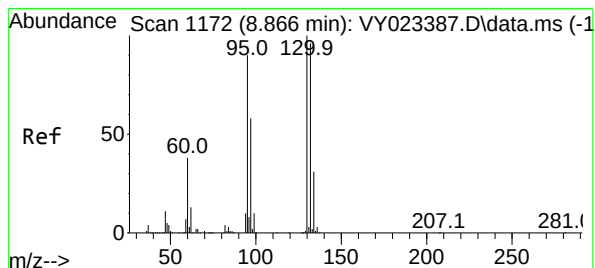
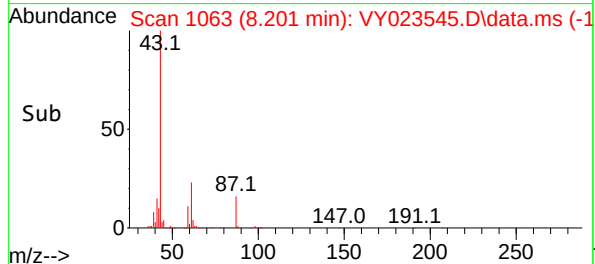
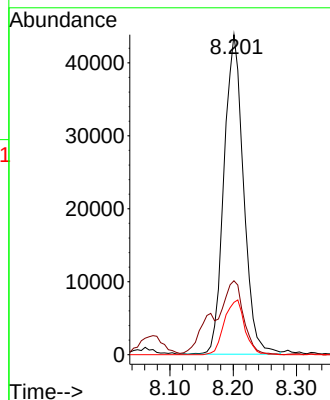
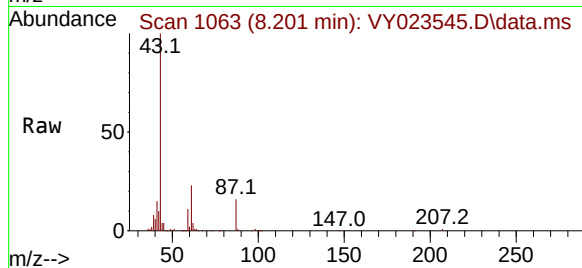
VY1022SBS01

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 9385  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 25.1     | 18.1 27.1   |
| 87 17.9     | 13.5 20.3   |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#44

Trichloroethene

Concen: 21.940 ug/l

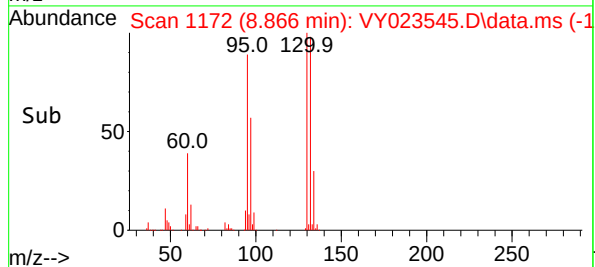
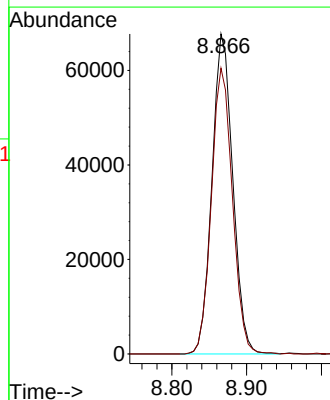
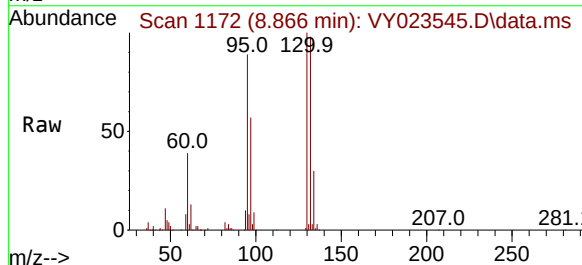
RT: 8.866 min Scan# 1172

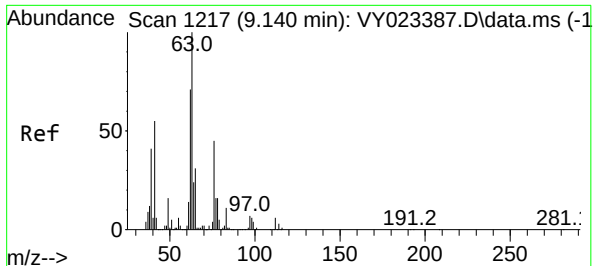
Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

|             |              |
|-------------|--------------|
| Tgt Ion:130 | Resp: 131401 |
| Ion Ratio   | Lower Upper  |
| 130 100     |              |
| 95 89.3     | 0.0 180.6    |





#45

1,2-Dichloropropane

Concen: 21.006 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 63 Resp: 9494

Ion Ratio Lower Upper

63 100

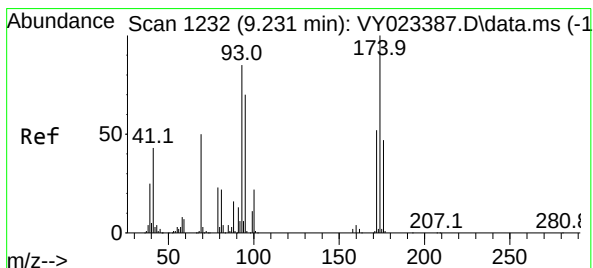
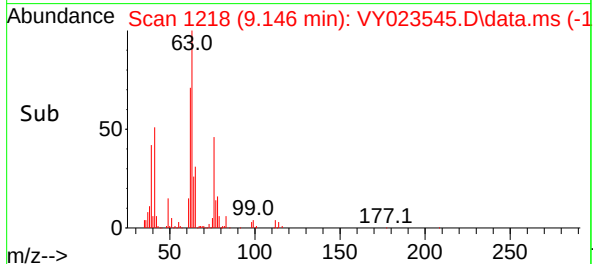
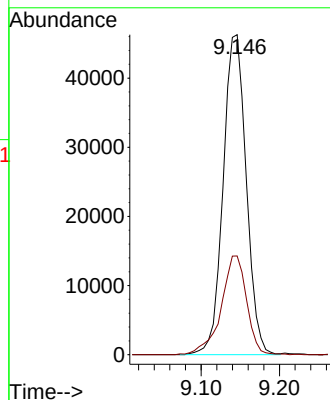
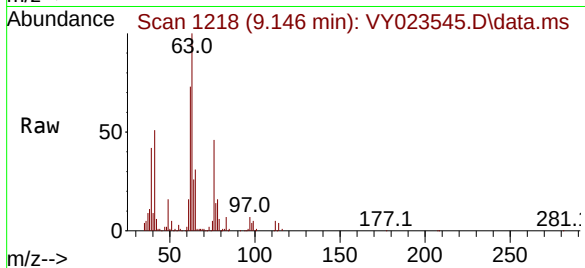
65 30.7 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#46

Dibromomethane

Concen: 20.843 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

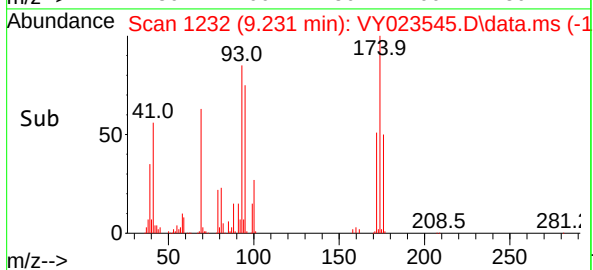
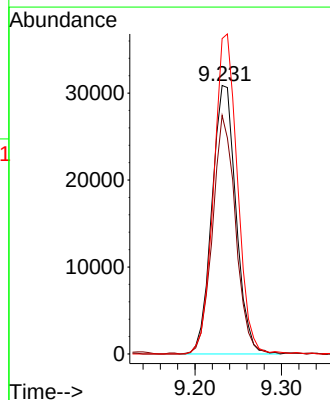
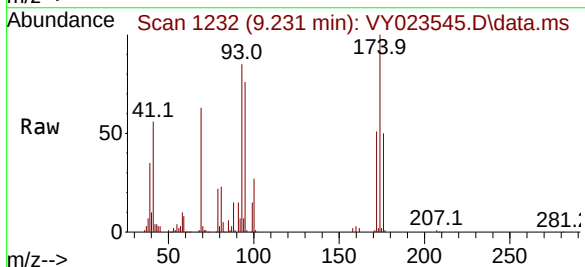
Tgt Ion: 93 Resp: 59570

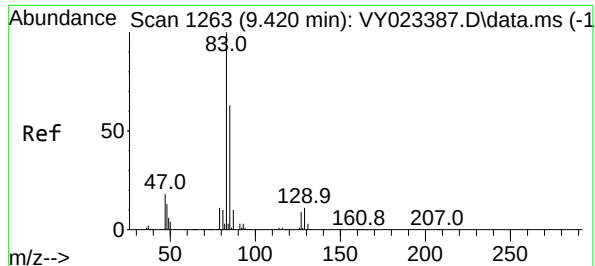
Ion Ratio Lower Upper

93 100

95 85.1 65.4 98.0

174 117.7 92.9 139.3





#47

Bromodichloromethane

Concen: 21.237 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 83 Resp: 152859

Ion Ratio Lower Upper

83 100

85 62.3 50.8 76.2

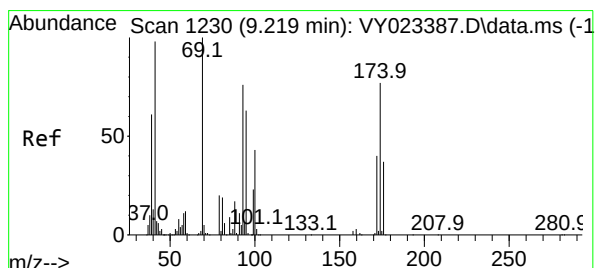
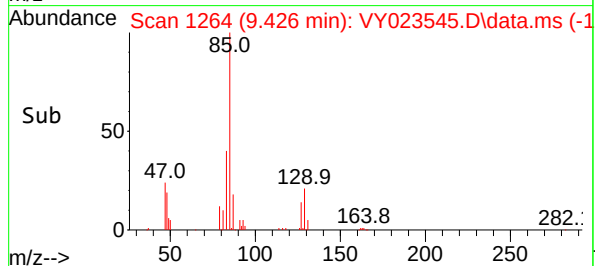
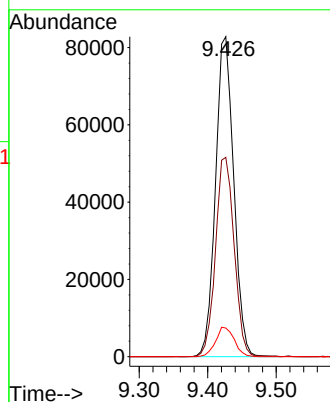
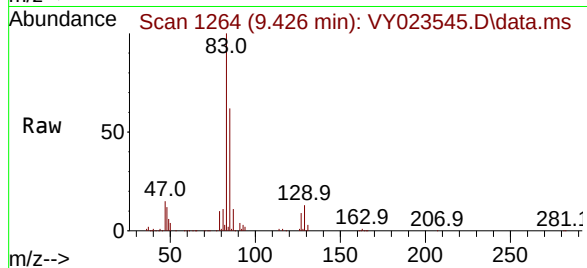
127 8.9 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#48

Methyl methacrylate

Concen: 18.246 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

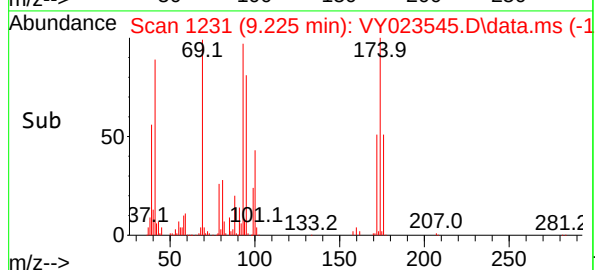
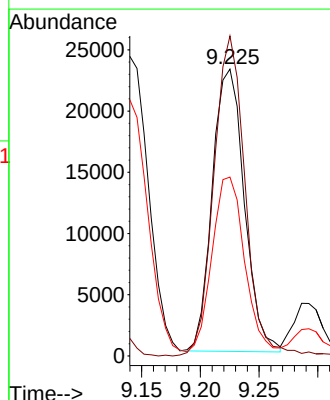
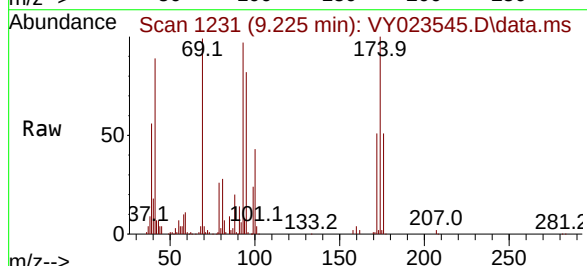
Tgt Ion: 41 Resp: 43753

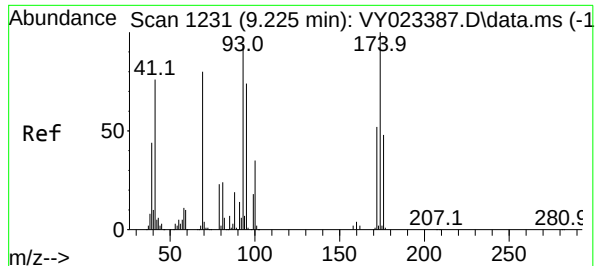
Ion Ratio Lower Upper

41 100

69 111.4 81.0 121.4

39 62.9 48.2 72.4





#49

1,4-Dioxane

Concen: 368.059 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

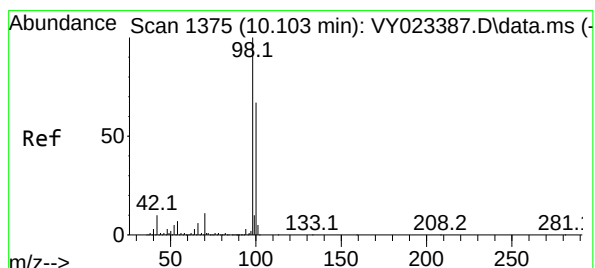
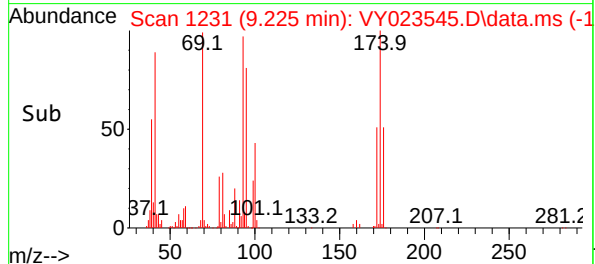
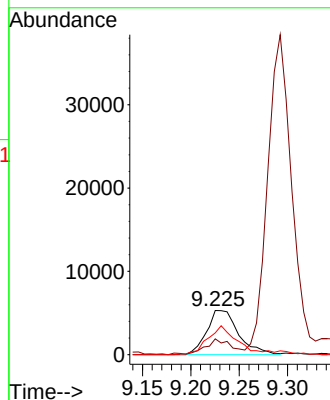
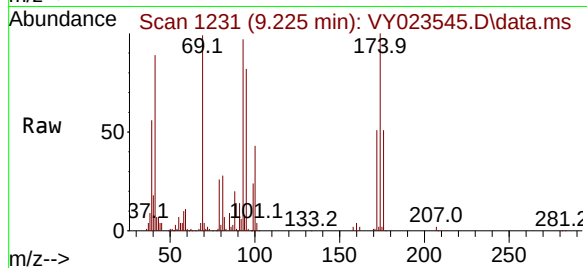
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 12190 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 30.0  | 21.8  | 32.8  |
| 58       | 60.8  | 46.8  | 70.2  |

## Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#50

Toluene-d8

Concen: 49.771 ug/l

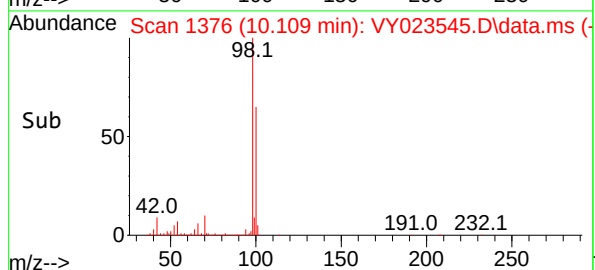
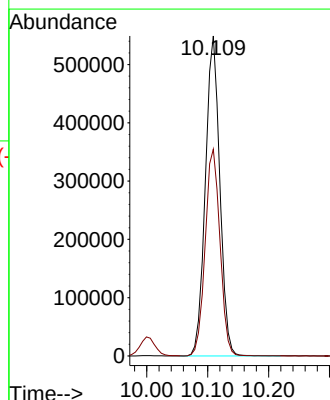
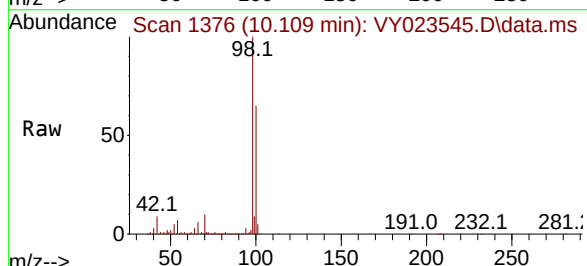
RT: 10.109 min Scan# 1376

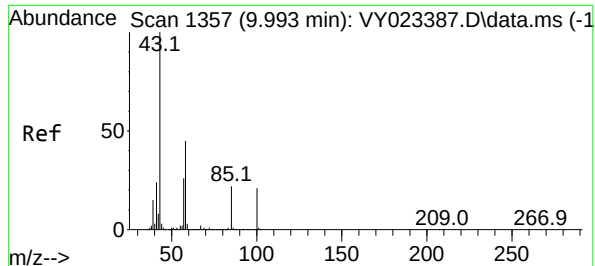
Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 904633 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 66.0  | 53.0  | 79.4   |





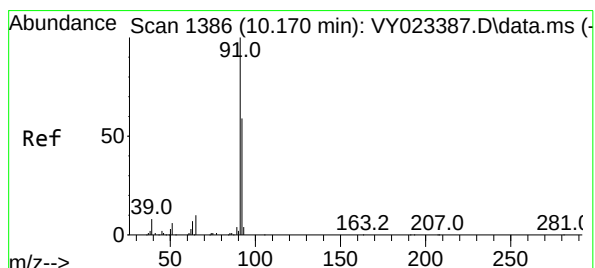
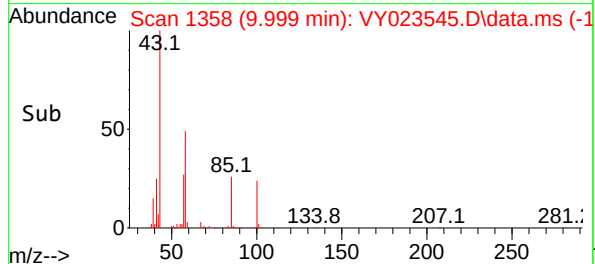
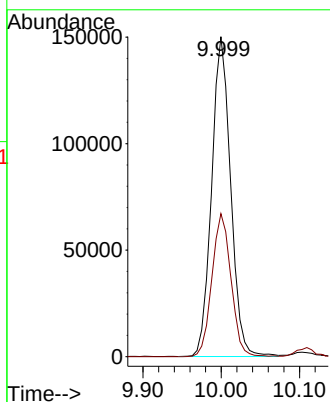
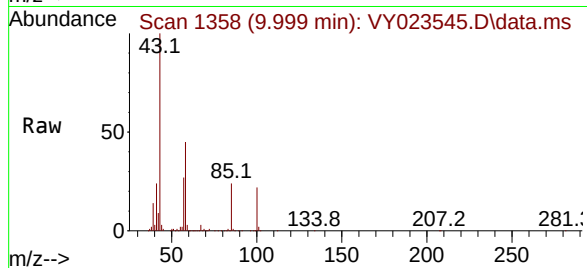
#51  
4-Methyl-2-Pentanone  
Concen: 96.032 ug/l  
RT: 9.999 min Scan# 1357  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion: 43 Resp: 253262  
Ion Ratio Lower Upper  
43 100  
58 45.0 35.3 52.9

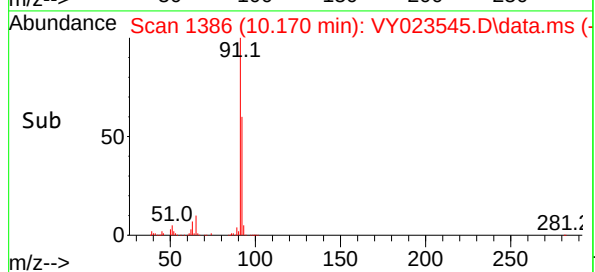
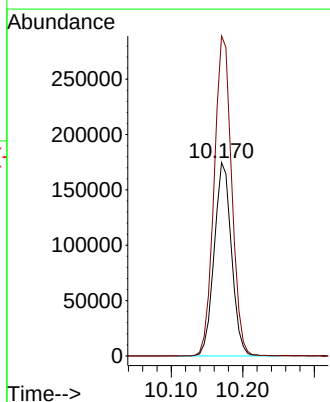
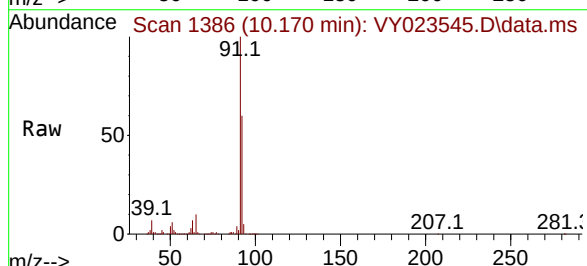
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

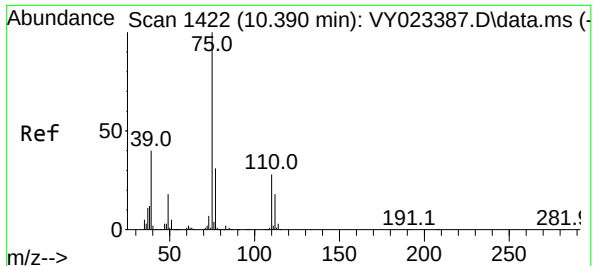


#52  
Toluene  
Concen: 21.986 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 92 Resp: 292104  
Ion Ratio Lower Upper  
92 100  
91 168.4 136.4 204.6







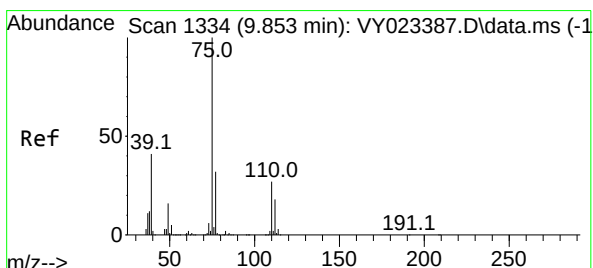
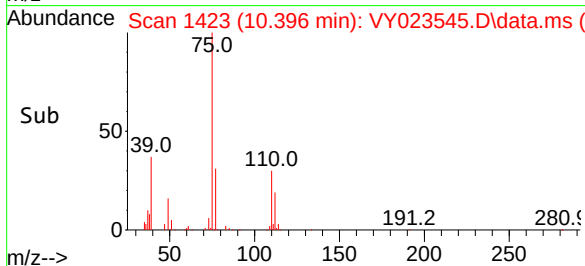
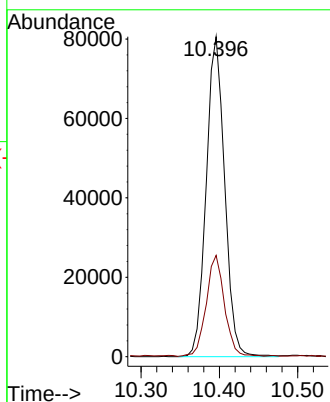
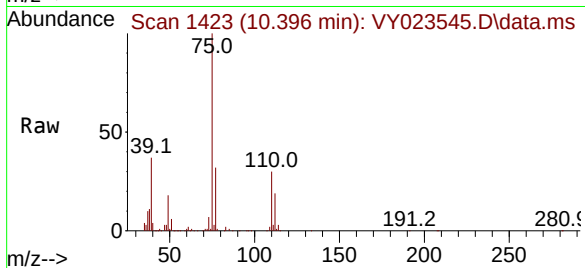
#53  
t-1,3-Dichloropropene  
Concen: 21.031 ug/l  
RT: 10.396 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion: 75 Resp: 131620  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.1 37.7

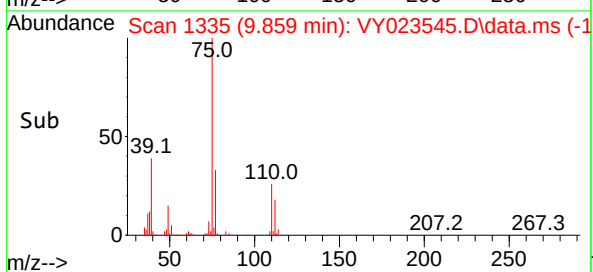
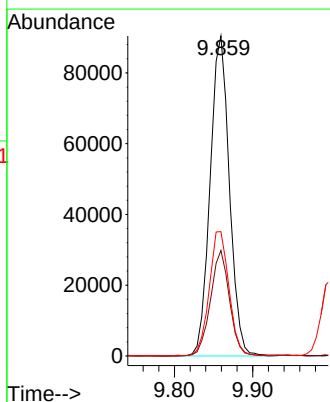
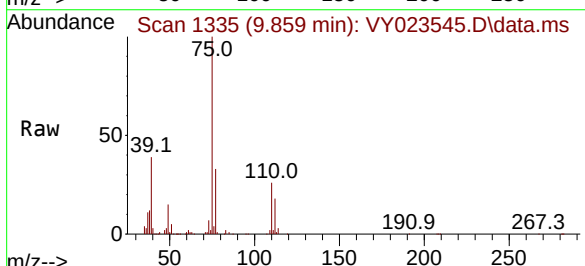
Manual Integrations  
APPROVED

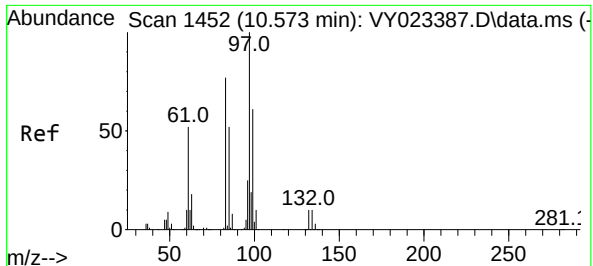
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#54  
cis-1,3-Dichloropropene  
Concen: 20.924 ug/l  
RT: 9.859 min Scan# 1335  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 75 Resp: 154563  
Ion Ratio Lower Upper  
75 100  
77 33.0 25.4 38.0  
39 38.6 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 21.572 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 97 Resp: 8290

Ion Ratio Lower Upper

97 100

83 80.1 61.8 92.6

85 55.0 41.3 61.9

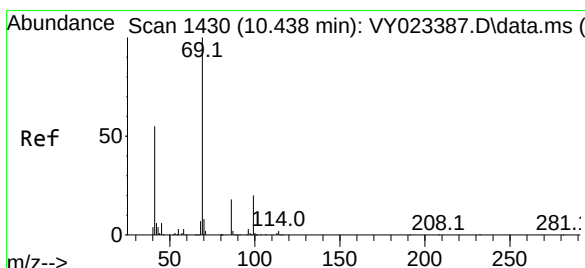
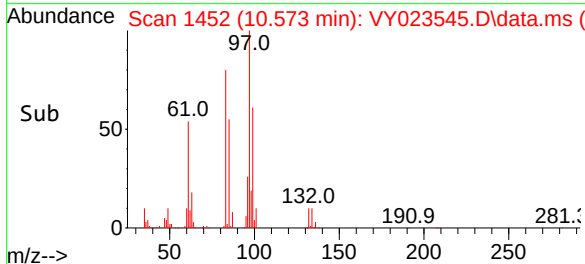
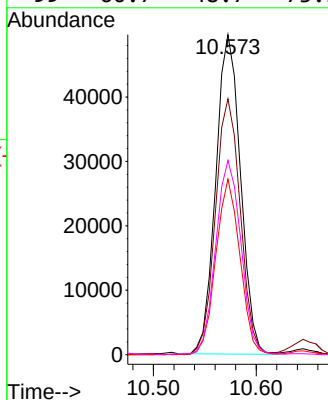
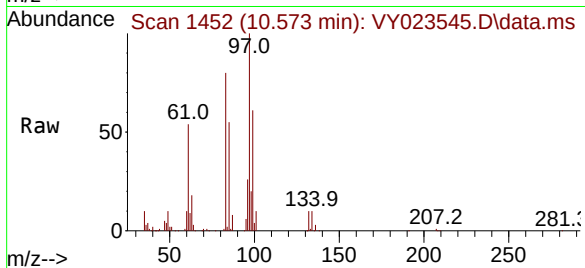
99 60.7 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#56

Ethyl methacrylate

Concen: 19.771 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

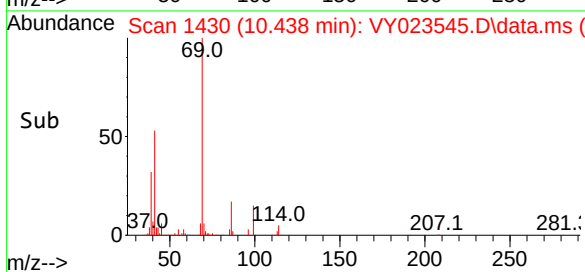
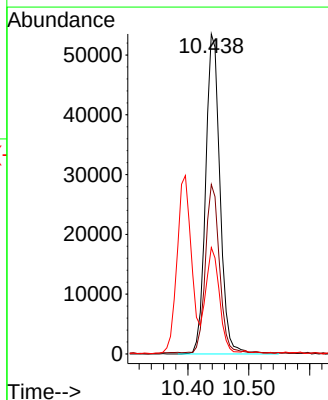
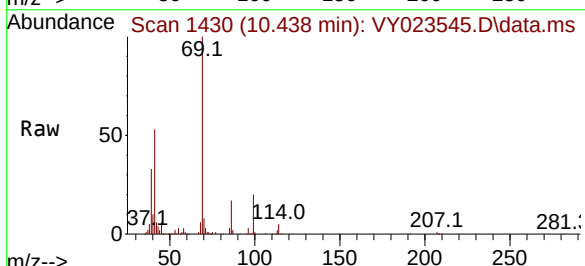
Tgt Ion: 69 Resp: 87648

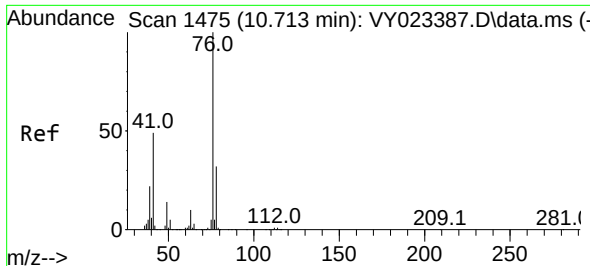
Ion Ratio Lower Upper

69 100

41 50.7 44.6 67.0

39 30.3 27.0 40.4





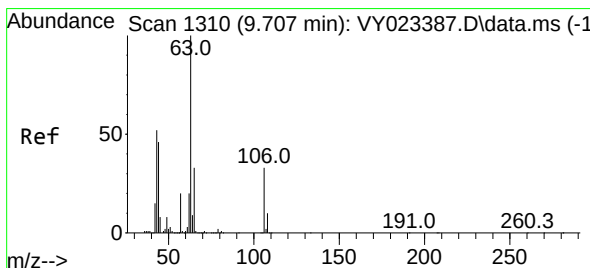
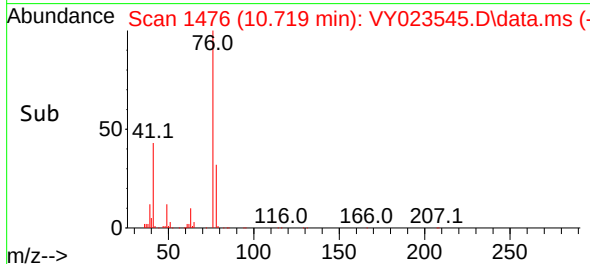
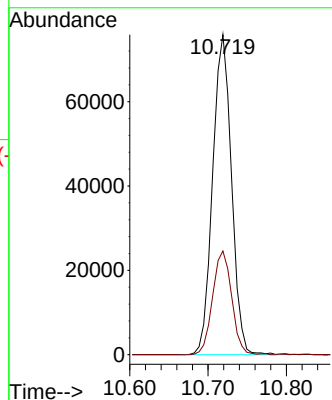
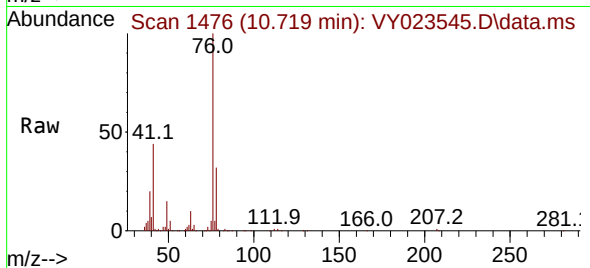
#57  
1,3-Dichloropropane  
Concen: 20.809 ug/l  
RT: 10.719 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion: 76 Resp: 12672  
Ion Ratio Lower Upper  
76 100  
78 32.8 25.9 38.9

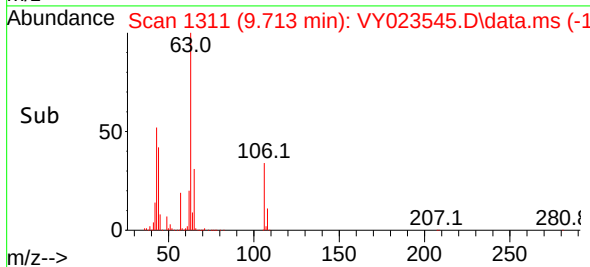
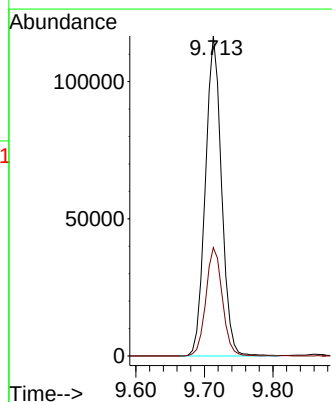
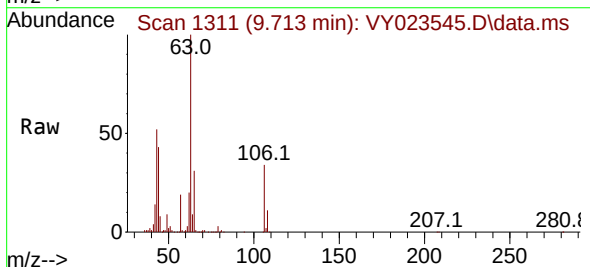
Manual Integrations  
APPROVED

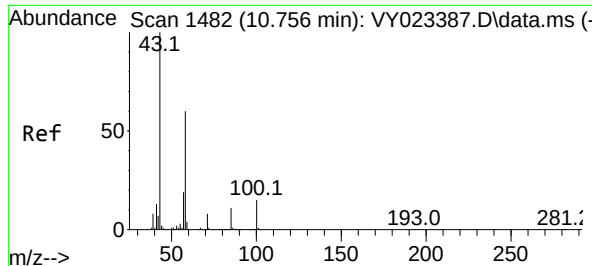
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#58  
2-Chloroethyl Vinyl ether  
Concen: 96.421 ug/l  
RT: 9.713 min Scan# 1311  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 63 Resp: 191490  
Ion Ratio Lower Upper  
63 100  
106 34.4 26.6 39.8





#59

2-Hexanone

Concen: 107.056 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 43 Resp: 201768

Ion Ratio Lower Upper

43 100

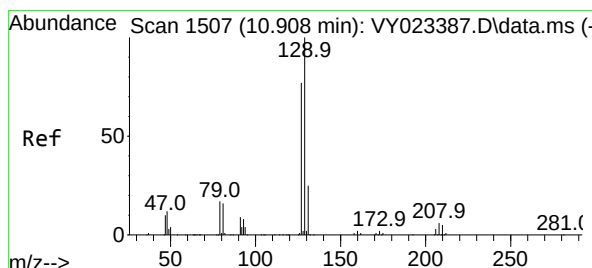
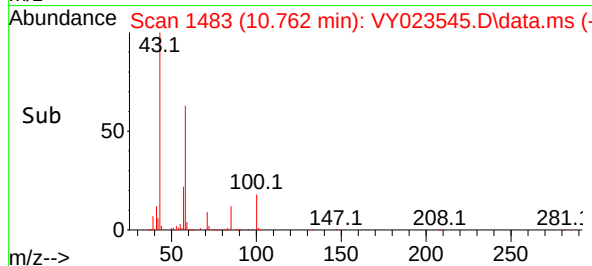
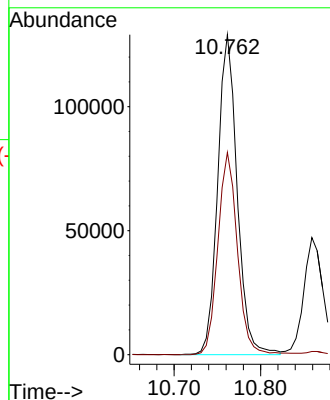
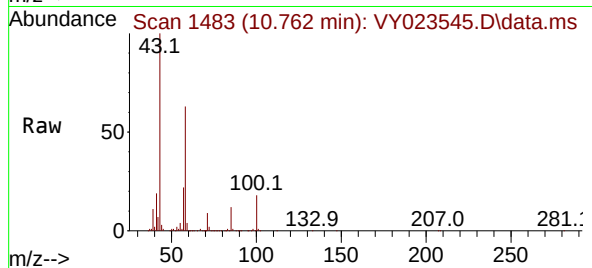
58 63.4 30.5 91.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#60

Dibromochloromethane

Concen: 21.397 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.000 min

Lab File: VY023545.D

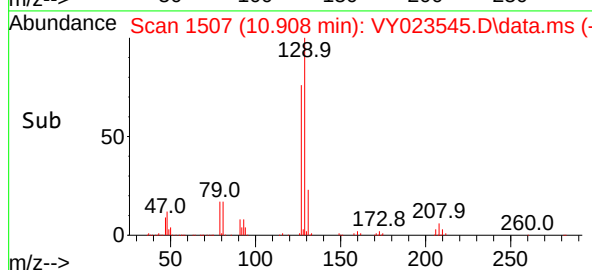
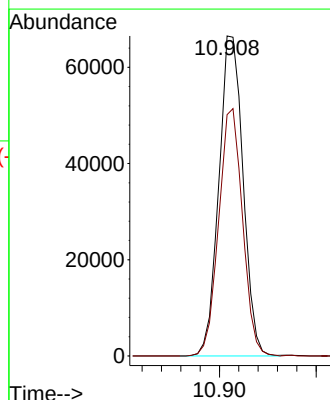
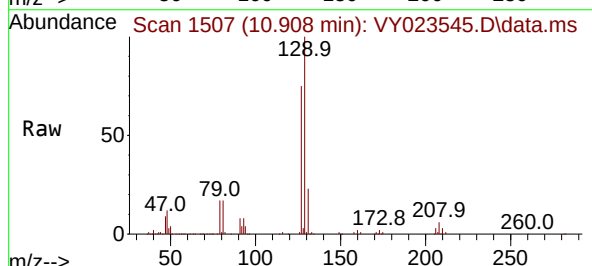
Acq: 22 Oct 2025 10:28

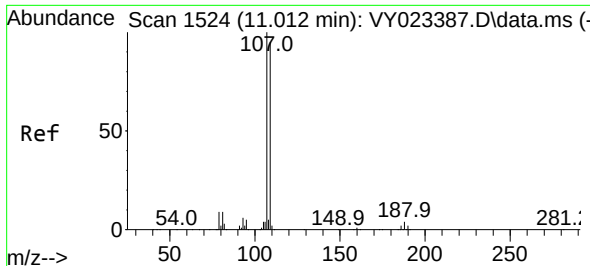
Tgt Ion:129 Resp: 115294

Ion Ratio Lower Upper

129 100

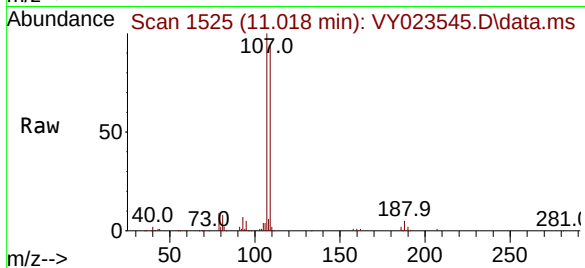
127 76.1 38.6 115.7





#61  
1,2-Dibromoethane  
Concen: 21.218 ug/l  
RT: 11.018 min Scan# 1524  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

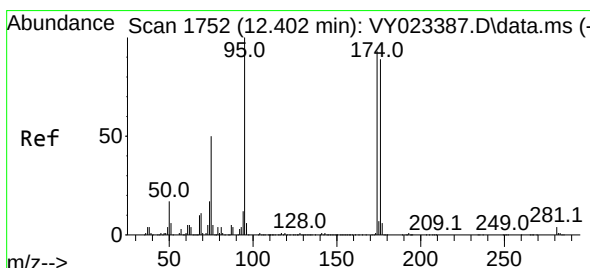
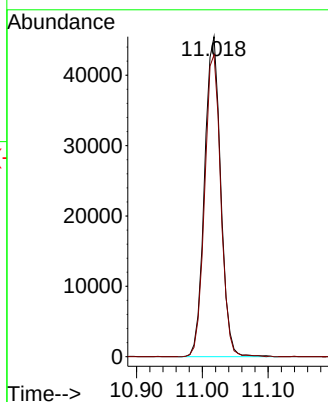
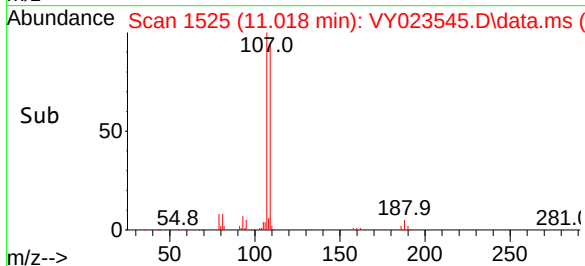
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01



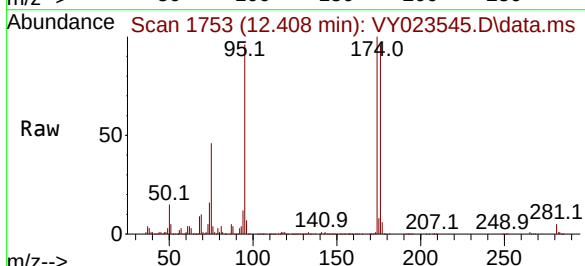
Tgt Ion: 107 Resp: 77772  
Ion Ratio Lower Upper  
107 100  
109 94.1 76.1 114.1

Manual Integrations  
APPROVED

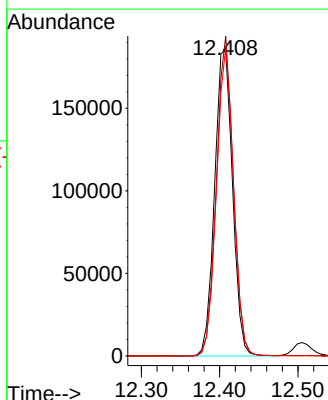
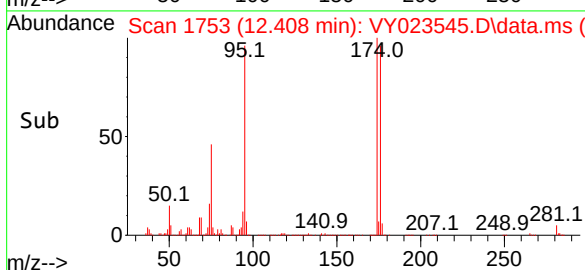
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

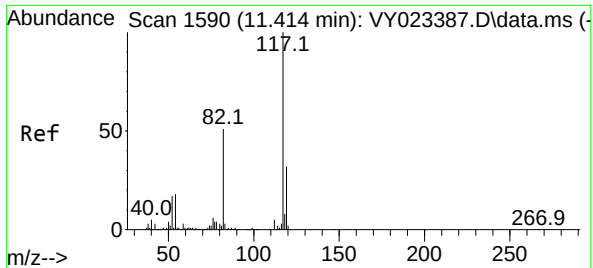


#62  
4-Bromofluorobenzene  
Concen: 49.281 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28



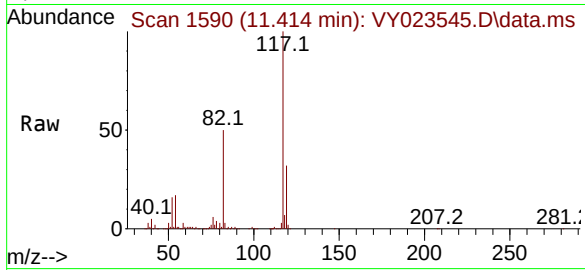
Tgt Ion: 95 Resp: 295724  
Ion Ratio Lower Upper  
95 100  
174 98.8 0.0 192.8  
176 95.7 0.0 187.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

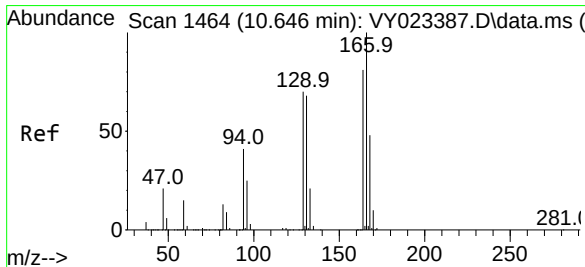
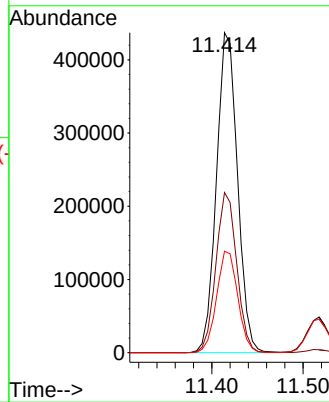
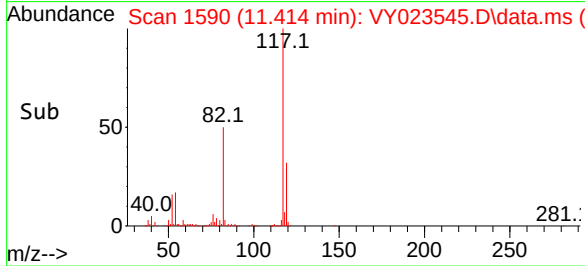
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01



Tgt Ion:117 Resp: 700130  
Ion Ratio Lower Upper  
117 100  
82 50.1 41.0 61.4  
119 31.7 25.6 38.4

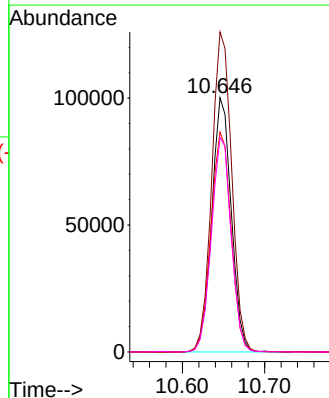
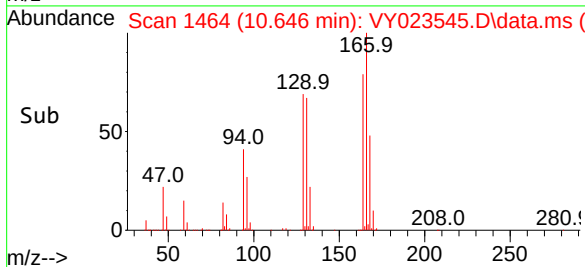
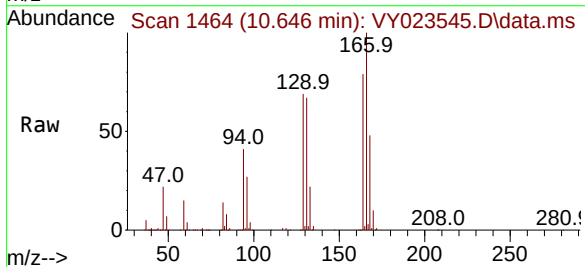
Manual Integrations  
APPROVED

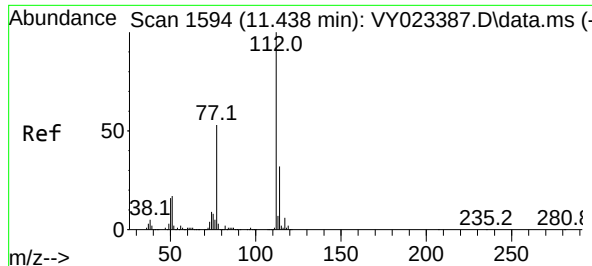
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#64  
Tetrachloroethene  
Concen: 22.850 ug/l  
RT: 10.646 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion:164 Resp: 165184  
Ion Ratio Lower Upper  
164 100  
166 125.9 99.4 149.0  
129 86.5 69.4 104.2  
131 84.4 67.5 101.3





#65

Chlorobenzene

Concen: 21.371 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion:112 Resp: 32543

Ion Ratio Lower Upper

112 100

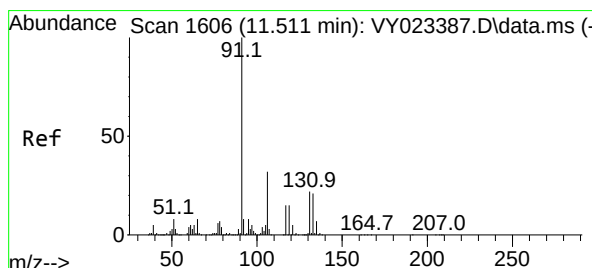
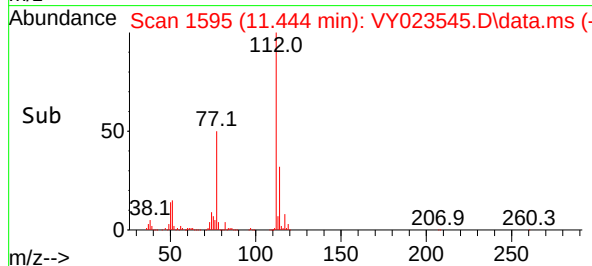
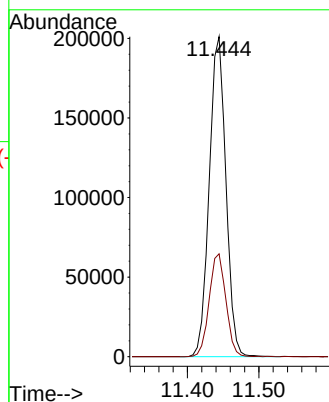
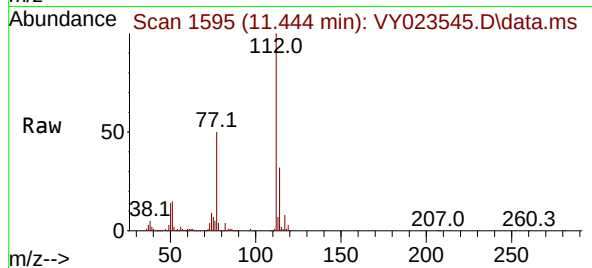
114 32.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 21.452 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

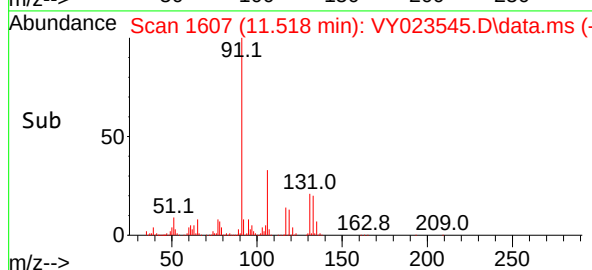
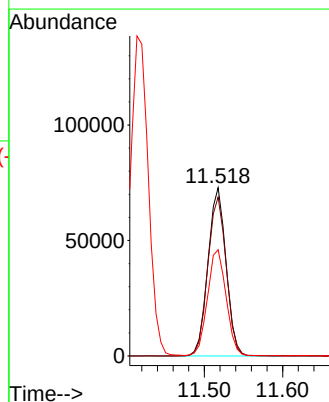
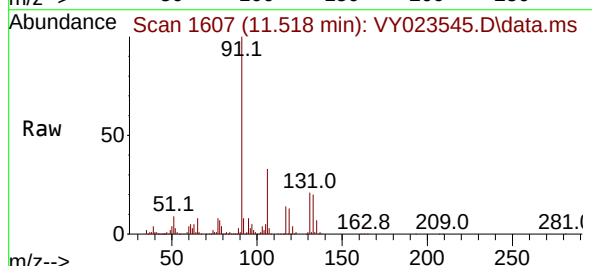
Tgt Ion:131 Resp: 116407

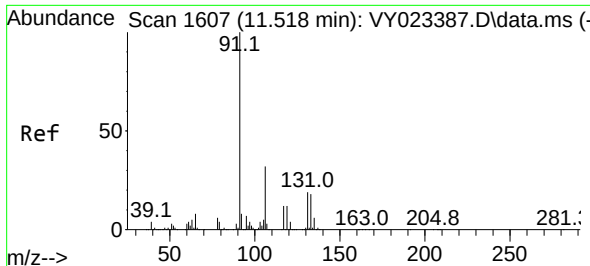
Ion Ratio Lower Upper

131 100

133 96.9 48.4 145.2

119 65.4 32.4 97.2





#67

Ethyl Benzene

Concen: 21.179 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 91 Resp: 522038

Ion Ratio Lower Upper

91 100

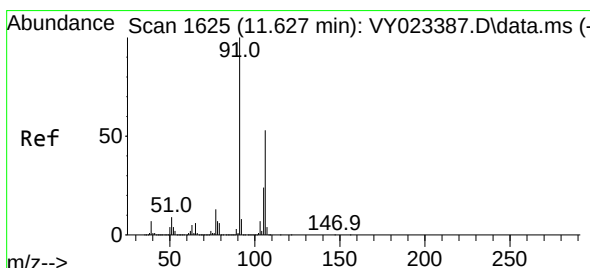
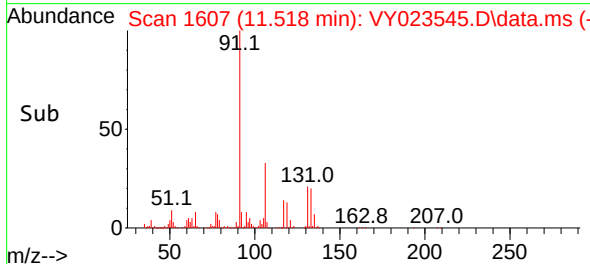
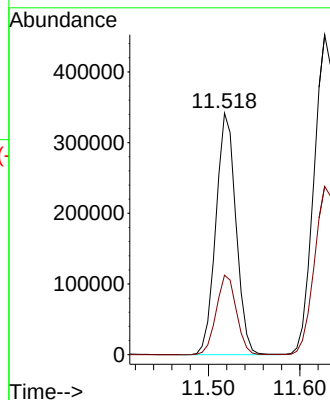
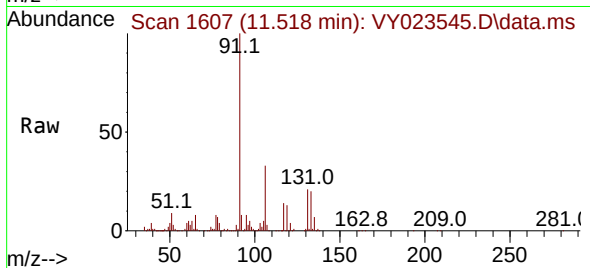
106 32.9 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#68

m/p-Xylenes

Concen: 43.322 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023545.D

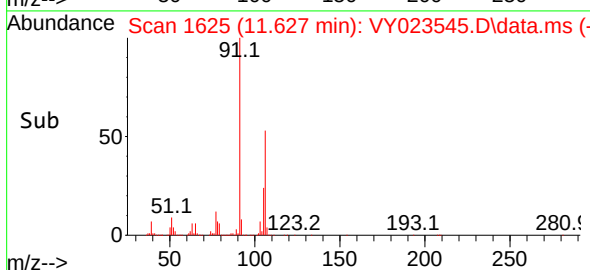
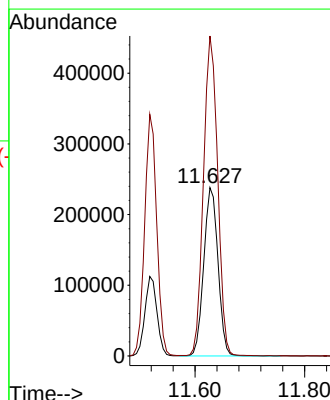
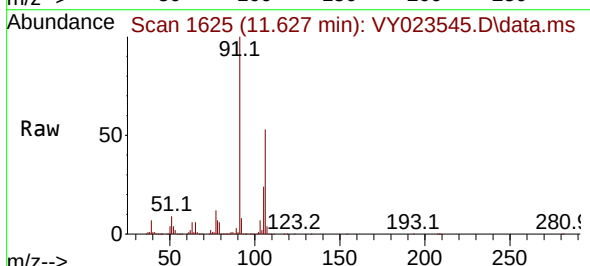
Acq: 22 Oct 2025 10:28

Tgt Ion:106 Resp: 428308

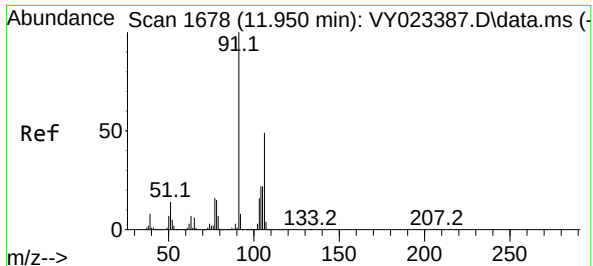
Ion Ratio Lower Upper

106 100

91 189.4 152.6 229.0







#69

o-Xylene

Concen: 21.646 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion:106 Resp: 20073

Ion Ratio Lower Upper

106 100

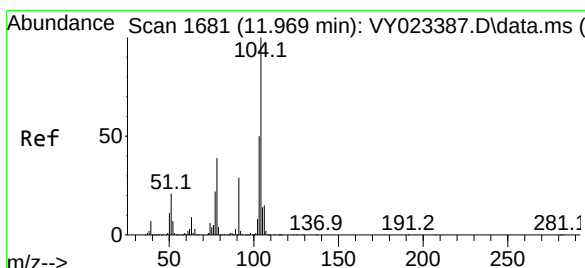
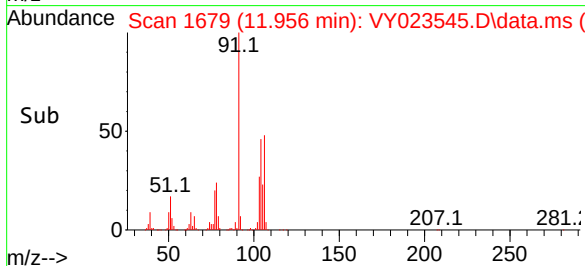
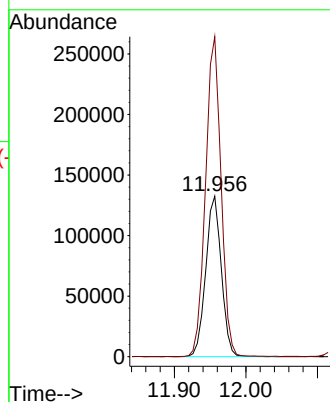
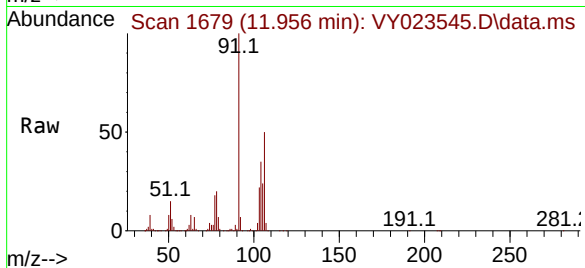
91 198.5 101.4 304.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#70

Styrene

Concen: 21.324 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

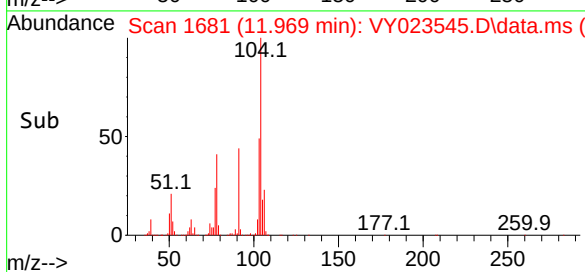
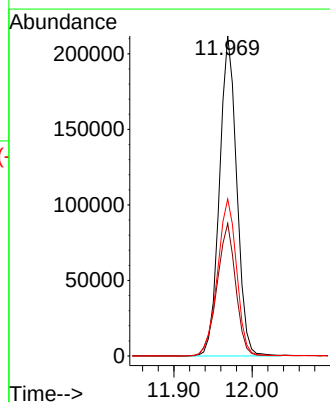
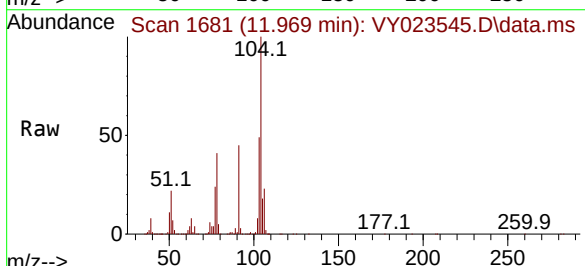
Tgt Ion:104 Resp: 325186

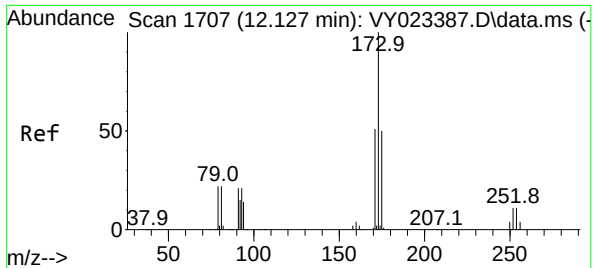
Ion Ratio Lower Upper

104 100

78 44.8 36.1 54.1

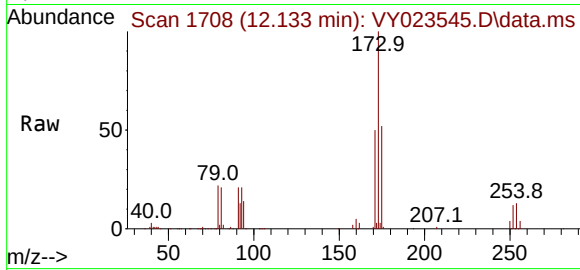
103 54.1 43.2 64.8





#71  
Bromoform  
Concen: 20.514 ug/l  
RT: 12.133 min Scan# 1707  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

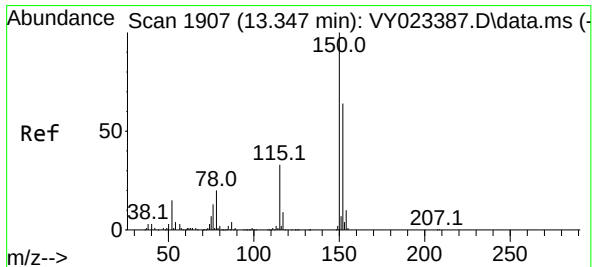
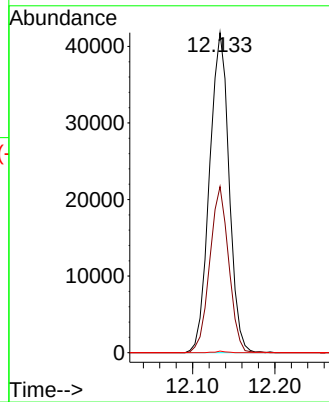
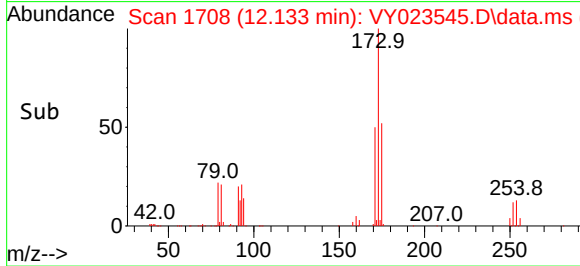
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01



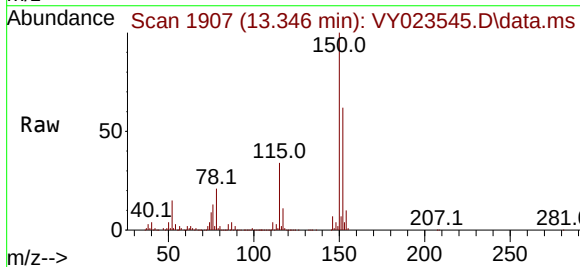
Tgt Ion:173 Resp: 69048  
Ion Ratio Lower Upper  
173 100  
175 50.4 24.8 74.3  
254 0.3 0.1 0.1

Manual Integrations  
APPROVED

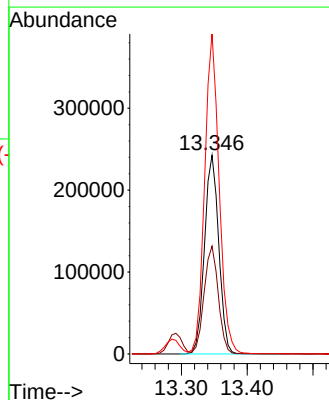
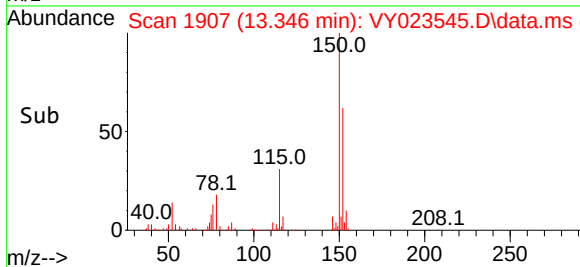
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

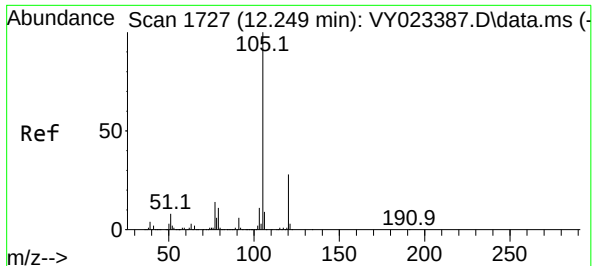


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28



Tgt Ion:152 Resp: 365280  
Ion Ratio Lower Upper  
152 100  
115 53.8 27.1 81.2  
150 163.7 0.0 347.4





#73

Isopropylbenzene

Concen: 21.671 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion:105 Resp: 521665

Ion Ratio Lower Upper

105 100

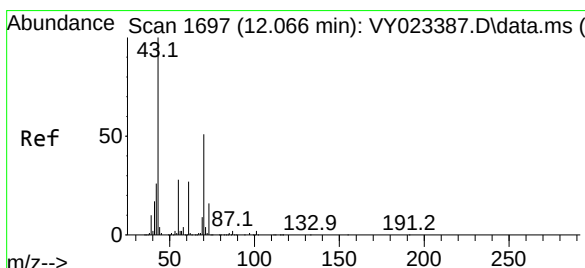
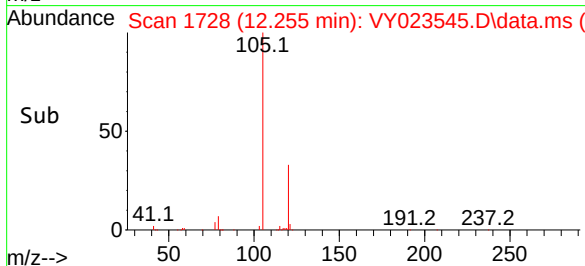
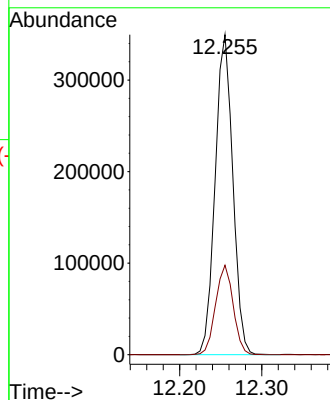
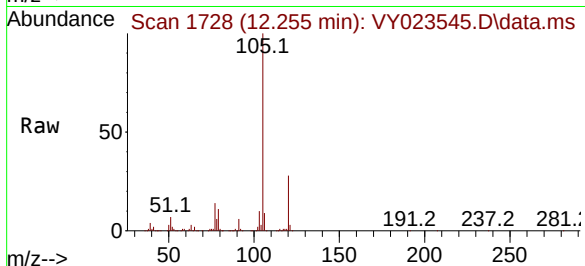
120 27.8 13.9 41.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#74

N-ethyl acetate

Concen: 17.731 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Tgt Ion: 43 Resp: 76665

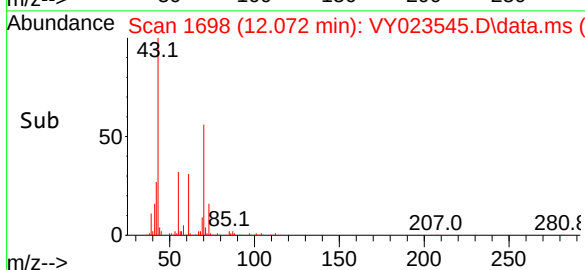
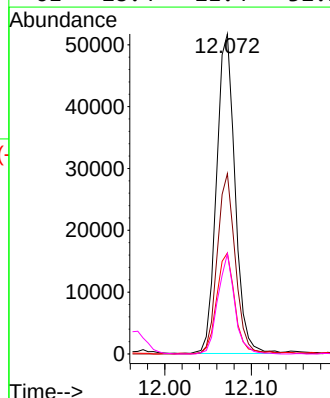
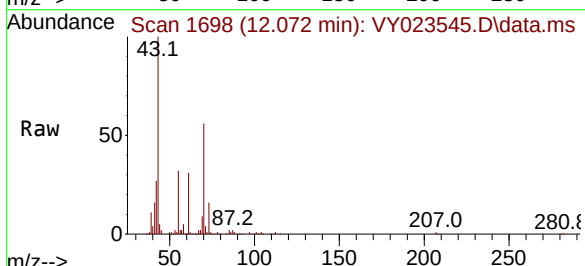
Ion Ratio Lower Upper

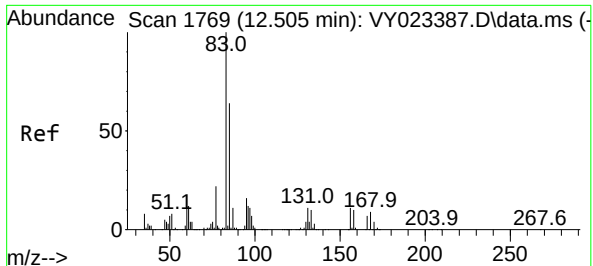
43 100

70 55.8 41.1 61.7

55 30.9 23.0 34.6

61 28.4 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.185 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 83 Resp: 7553

Ion Ratio Lower Upper

83 100

131 12.0 5.9 17.6

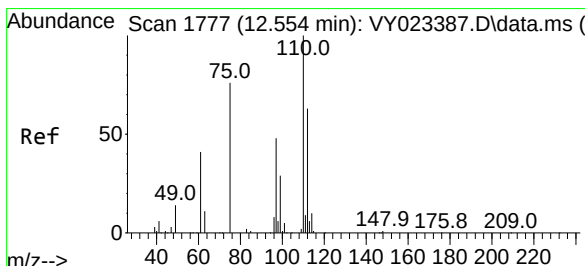
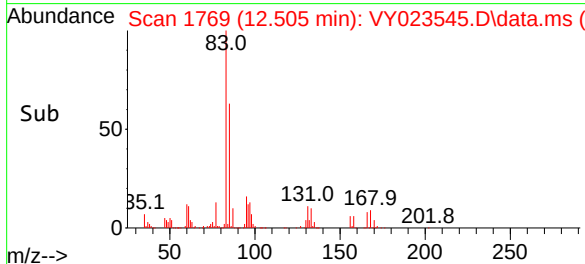
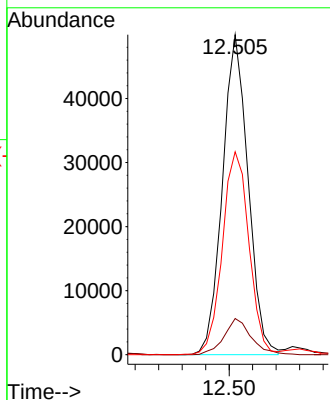
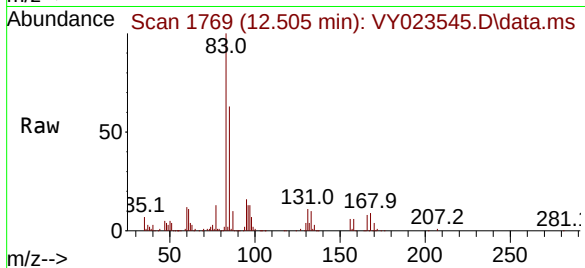
85 65.8 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#76

1,2,3-Trichloropropane

Concen: 18.739 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VY023545.D

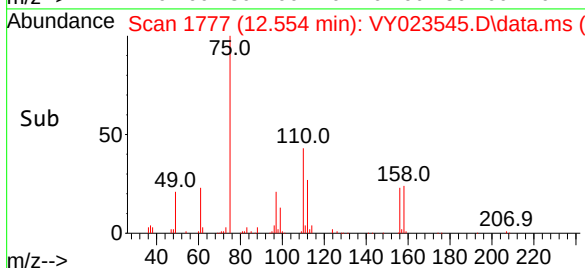
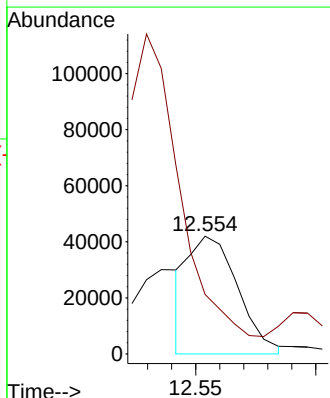
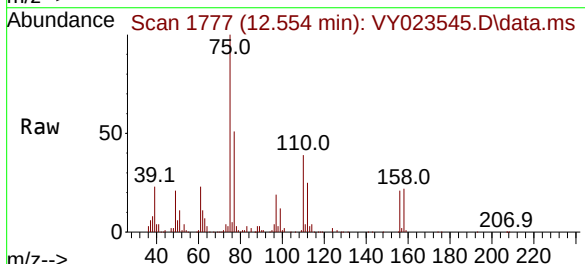
Acq: 22 Oct 2025 10:28

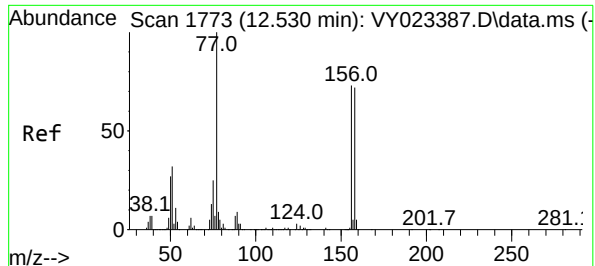
Tgt Ion: 75 Resp: 60391

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





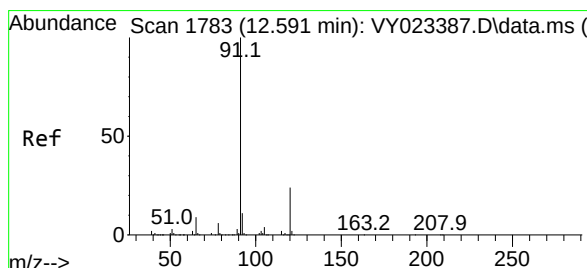
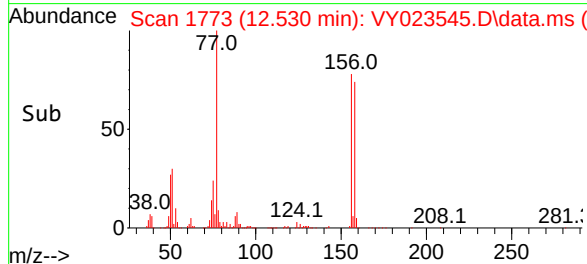
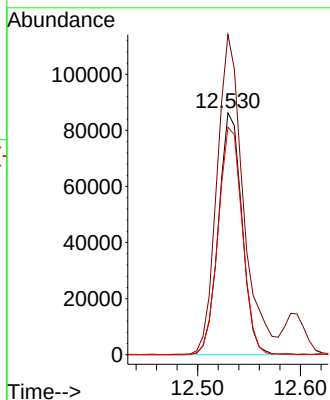
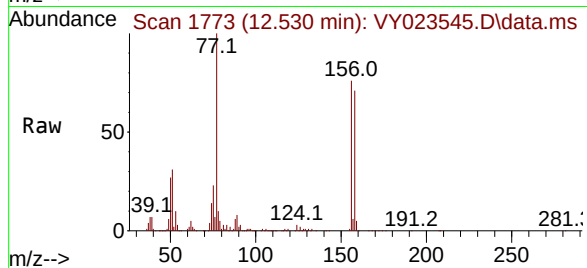
#77  
Bromobenzene  
Concen: 21.307 ug/l  
RT: 12.530 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion:156 Resp: 136360  
Ion Ratio Lower Upper  
156 100  
77 149.0 76.8 230.5  
158 96.9 49.0 147.2

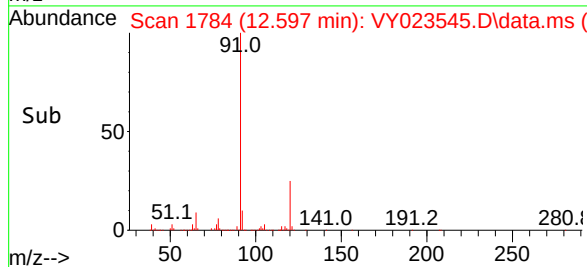
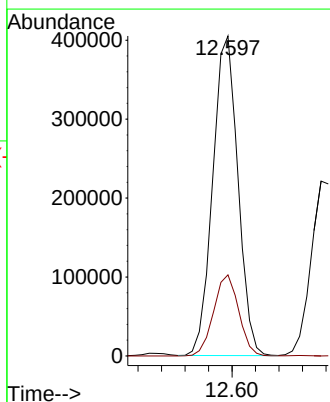
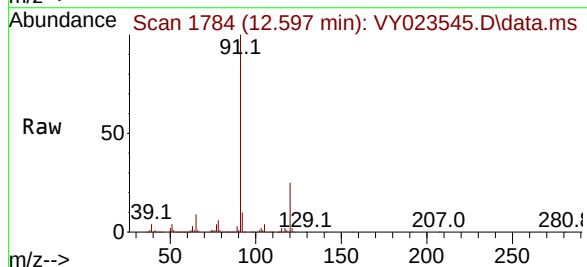
Manual Integrations  
APPROVED

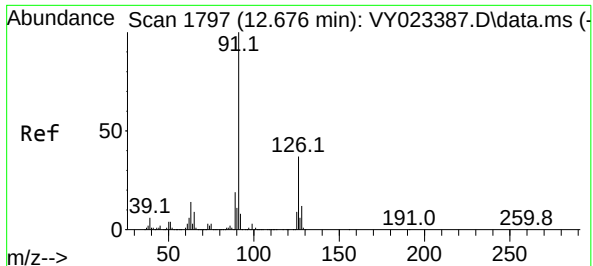
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#78  
n-propylbenzene  
Concen: 21.651 ug/l  
RT: 12.597 min Scan# 1784  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 91 Resp: 603121  
Ion Ratio Lower Upper  
91 100  
120 25.2 12.3 36.8





#79

2-Chlorotoluene

Concen: 21.335 ug/l

RT: 12.676 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 91 Resp: 34803

Ion Ratio Lower Upper

91 100

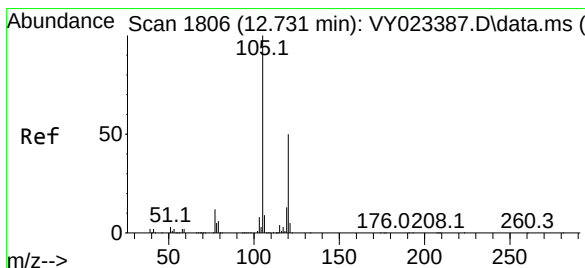
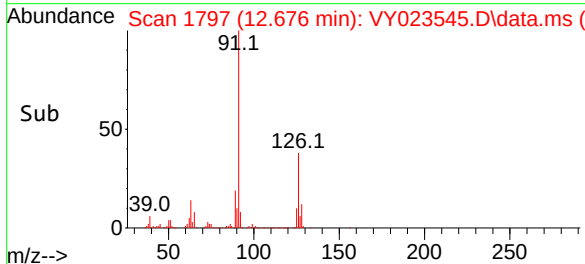
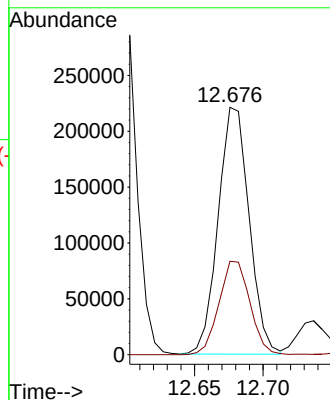
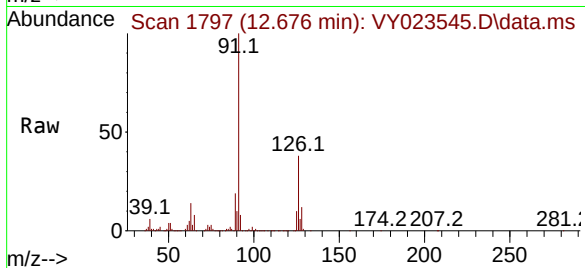
126 37.8 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#80

1,3,5-Trimethylbenzene

Concen: 21.935 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023545.D

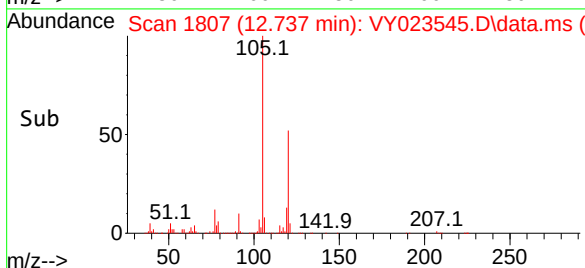
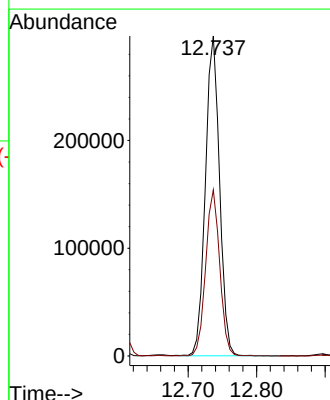
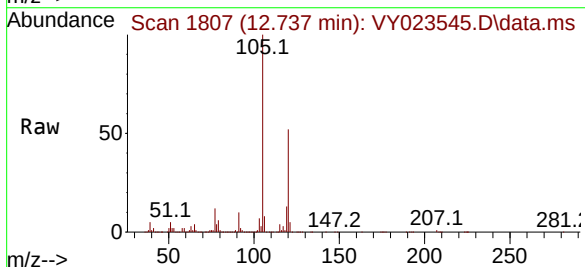
Acq: 22 Oct 2025 10:28

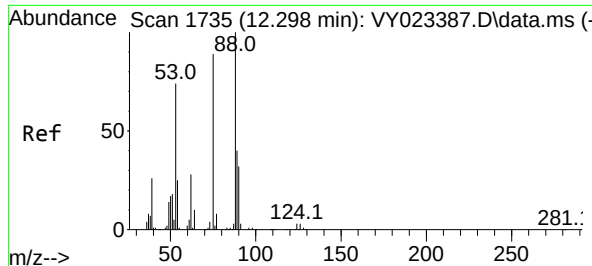
Tgt Ion:105 Resp: 426677

Ion Ratio Lower Upper

105 100

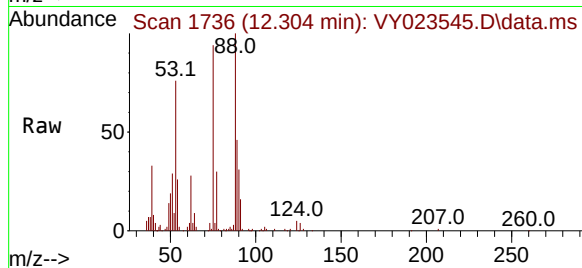
120 51.8 25.4 76.4





#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.178 ug/l  
RT: 12.304 min Scan# 1735  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

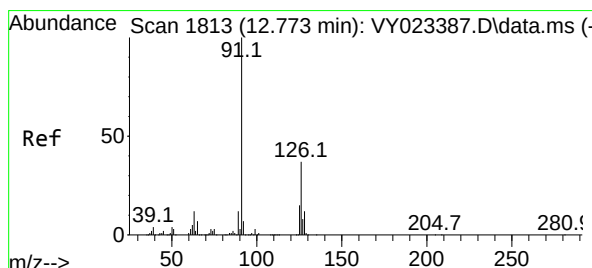
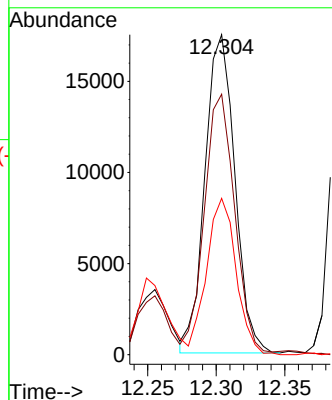
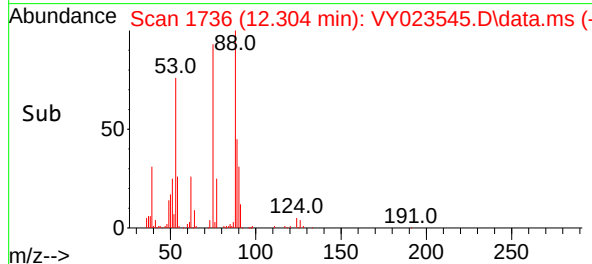
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01



Tgt Ion: 75 Resp: 26519  
Ion Ratio Lower Upper  
75 100  
53 81.9 68.6 102.8  
89 48.4 39.0 58.4

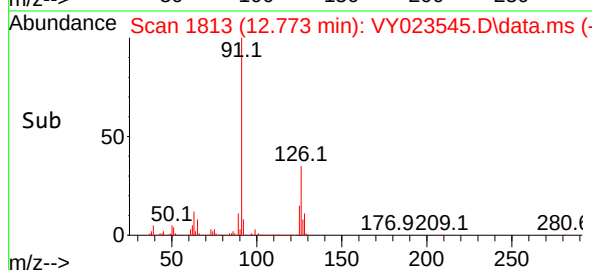
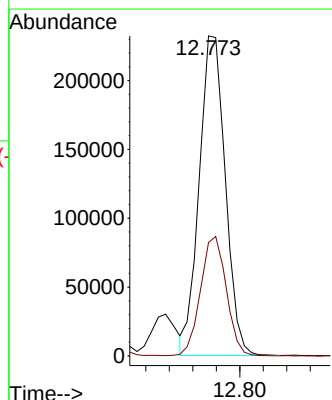
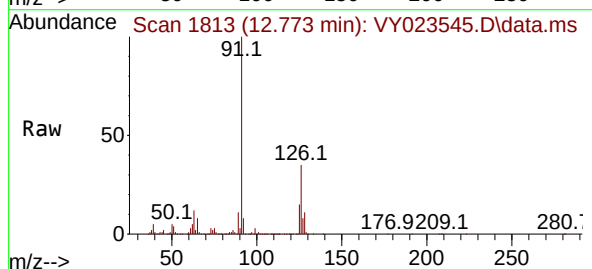
Manual Integrations  
APPROVED

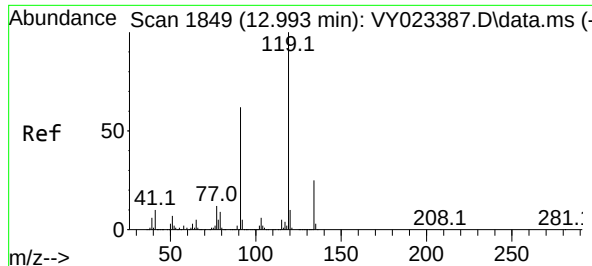
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#82  
4-Chlorotoluene  
Concen: 21.322 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 91 Resp: 358213  
Ion Ratio Lower Upper  
91 100  
126 37.0 18.4 55.4





#83

tert-Butylbenzene

Concen: 21.889 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion:119 Resp: 393129

Ion Ratio Lower Upper

119 100

91 59.2 29.9 89.8

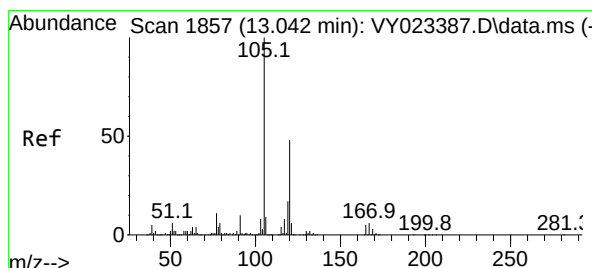
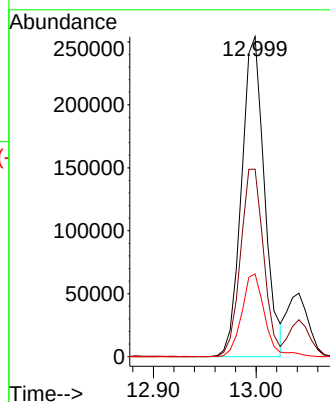
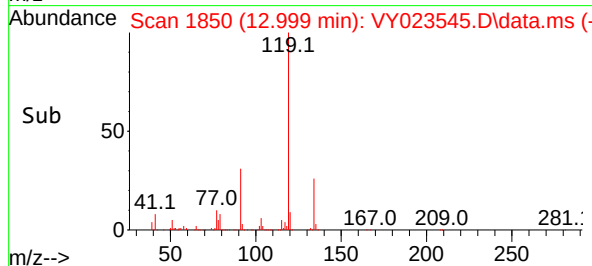
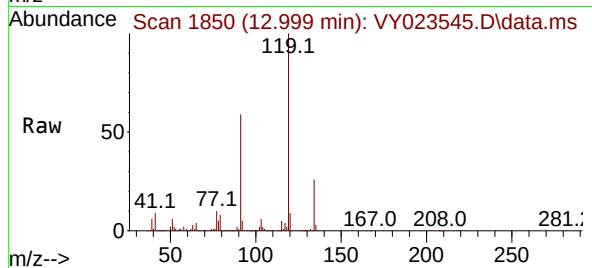
134 26.1 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#84

1,2,4-Trimethylbenzene

Concen: 21.648 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY023545.D

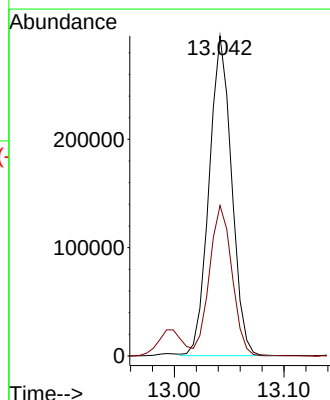
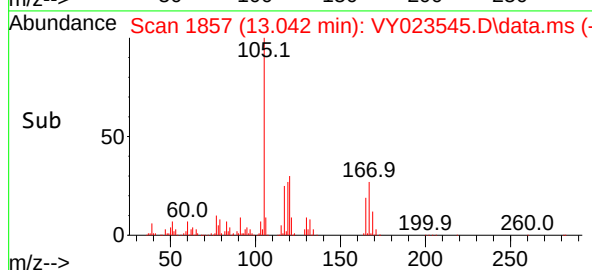
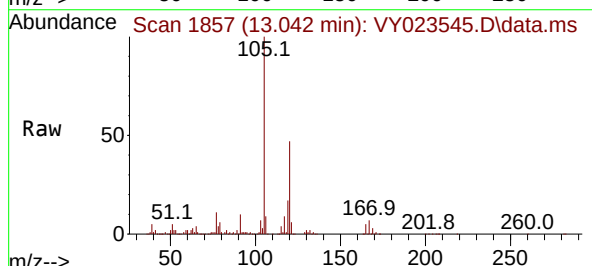
Acq: 22 Oct 2025 10:28

Tgt Ion:105 Resp: 420267

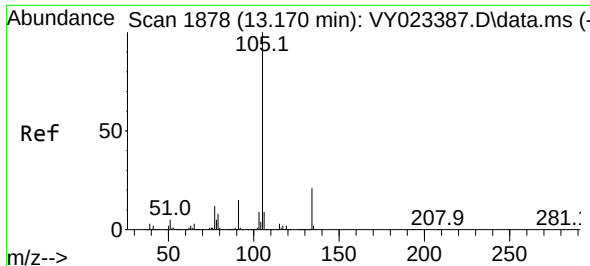
Ion Ratio Lower Upper

105 100

120 47.1 23.8 71.2







#85

sec-Butylbenzene

Concen: 21.804 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion:105 Resp: 56176

Ion Ratio Lower Upper

105 100

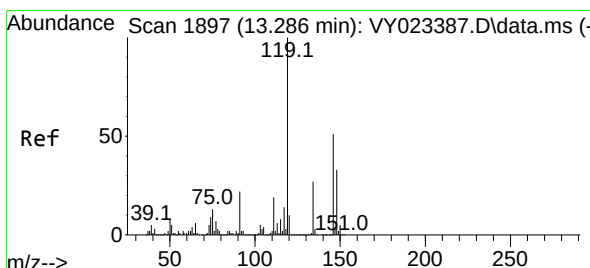
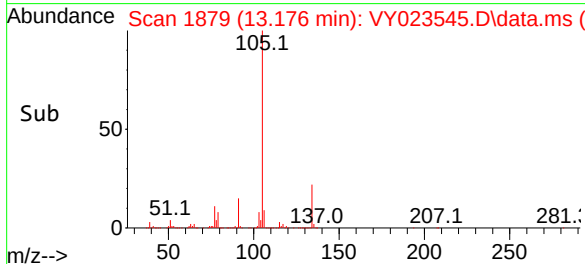
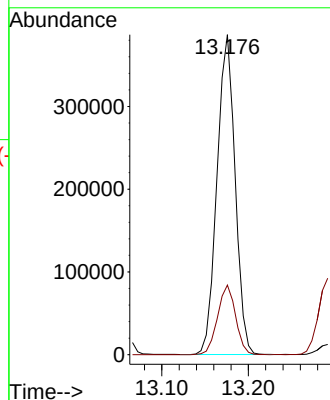
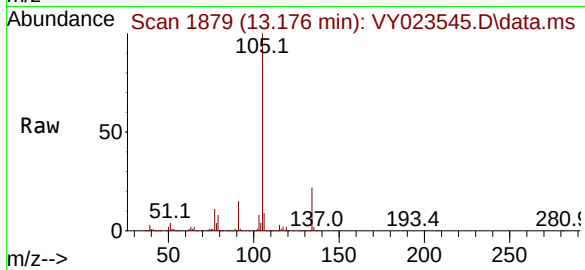
134 21.7 10.7 32.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#86

p-Isopropyltoluene

Concen: 22.116 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

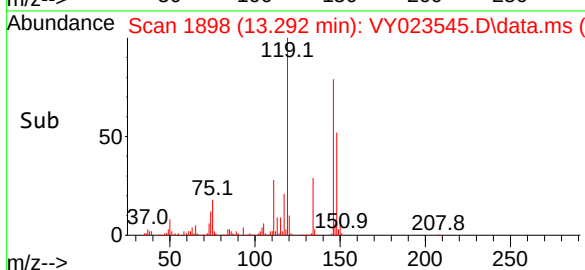
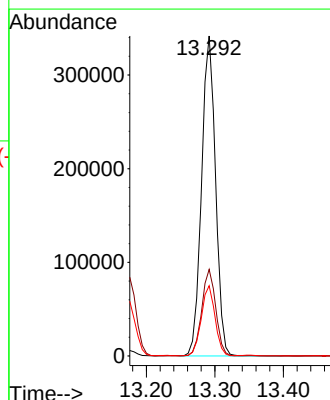
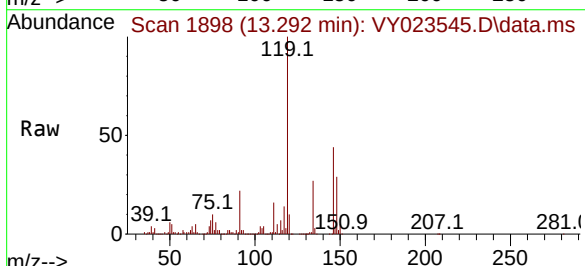
Tgt Ion:119 Resp: 485141

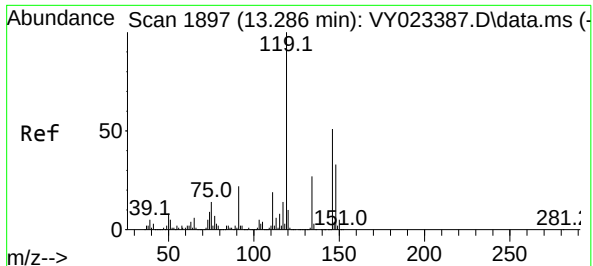
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 21.5 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 21.270 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

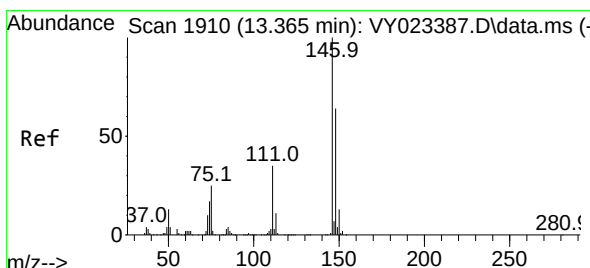
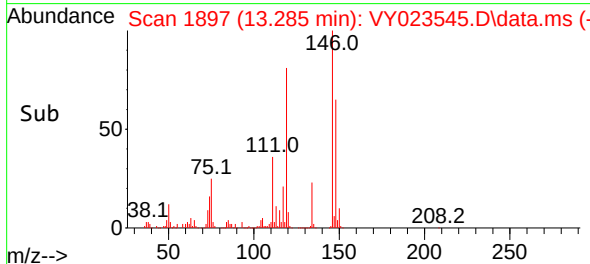
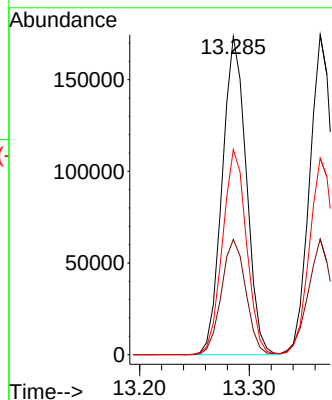
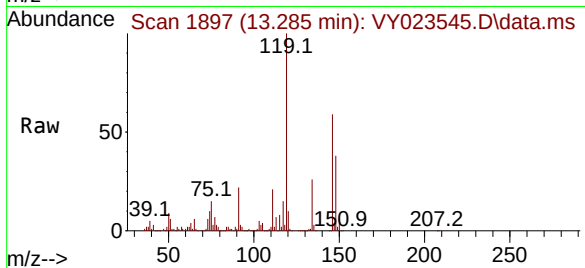
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 26506 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 36.7  | 18.7  | 56.1  |
| 148      | 64.2  | 31.9  | 95.9  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#88

1,4-Dichlorobenzene

Concen: 21.147 ug/l

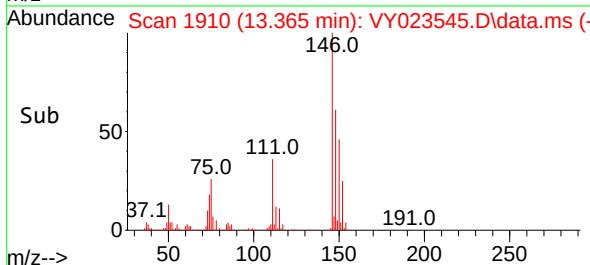
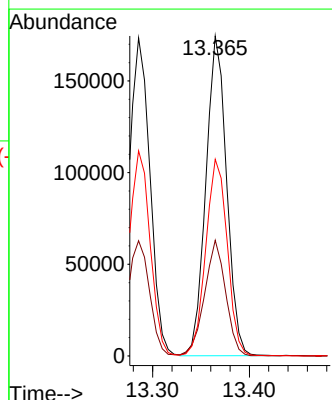
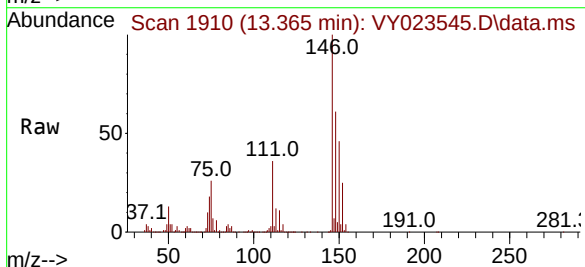
RT: 13.365 min Scan# 1910

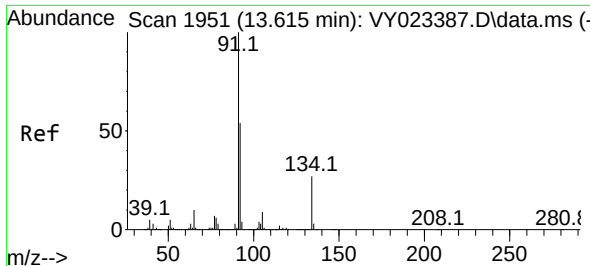
Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 260280 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 36.9  | 18.0  | 54.0   |
| 148      | 63.7  | 31.9  | 95.7   |





#89

n-Butylbenzene

Concen: 21.317 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

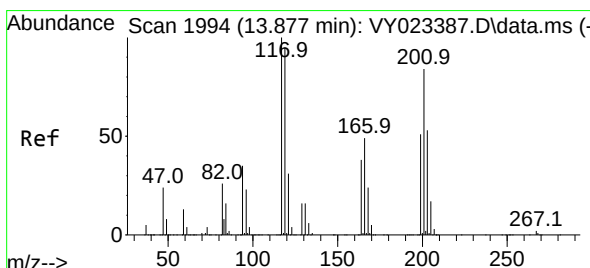
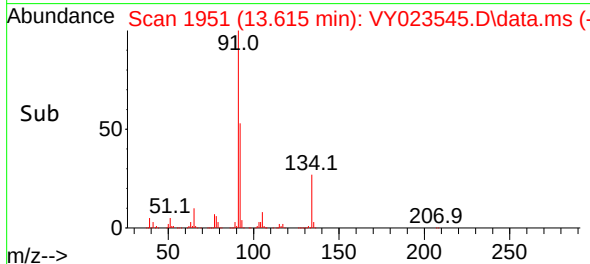
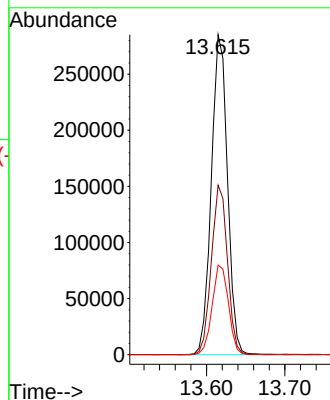
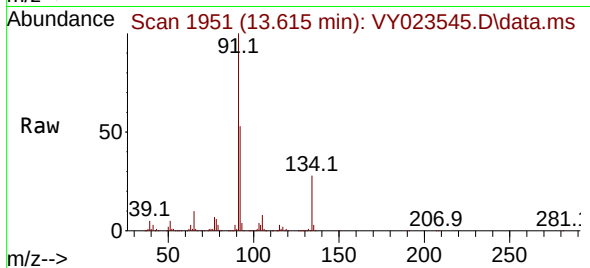
VY1022SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 407439 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 52.8  | 27.0  | 80.8   |
| 134      | 28.3  | 14.1  | 42.2   |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#90

Hexachloroethane

Concen: 21.199 ug/l

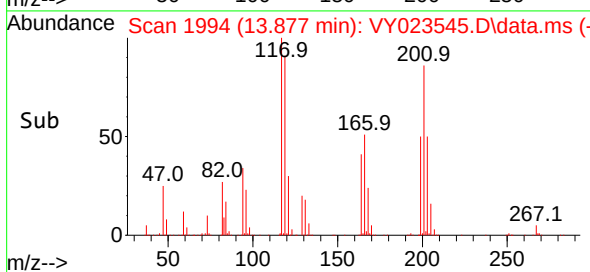
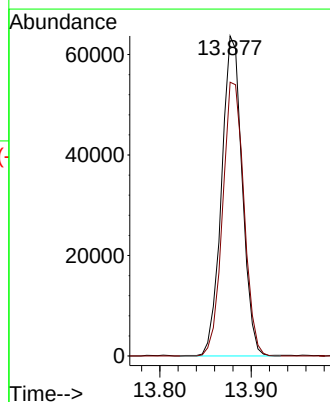
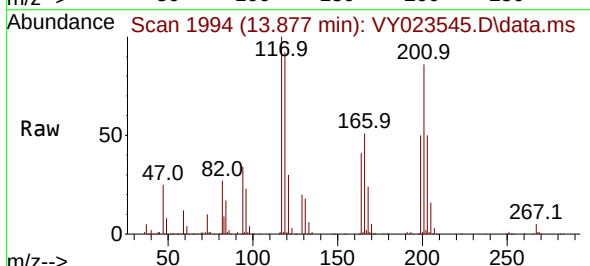
RT: 13.877 min Scan# 1994

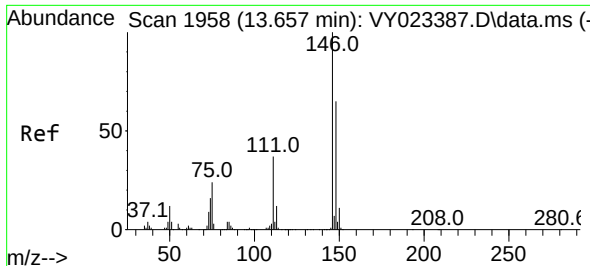
Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 100017 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 201      | 88.2  | 43.8  | 131.4  |





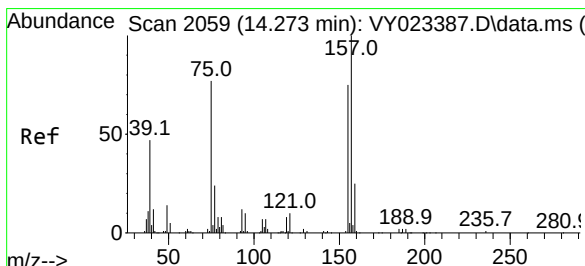
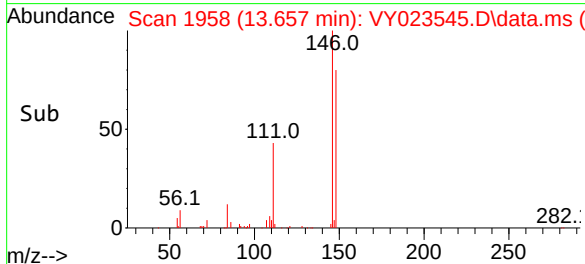
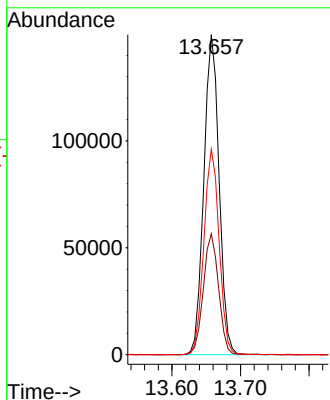
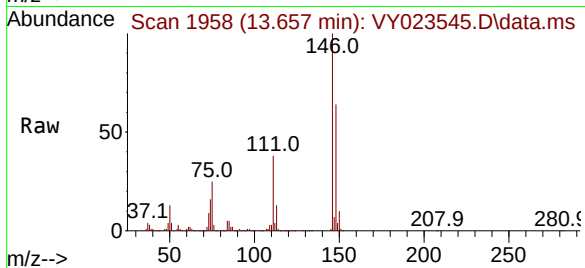
#91  
1,2-Dichlorobenzene  
Concen: 21.264 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

| Tgt Ion:  | 146   | Resp: | 23232 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 37.7  | 19.0  | 57.0  |
| 148       | 64.1  | 32.1  | 96.3  |

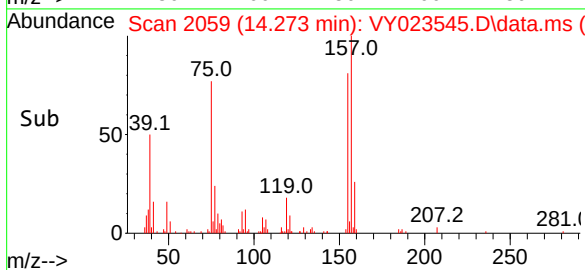
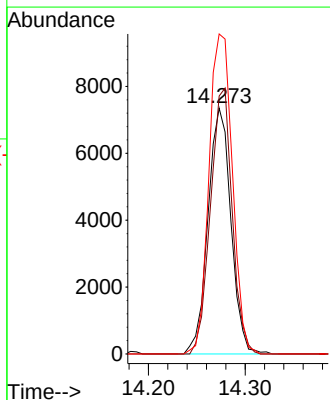
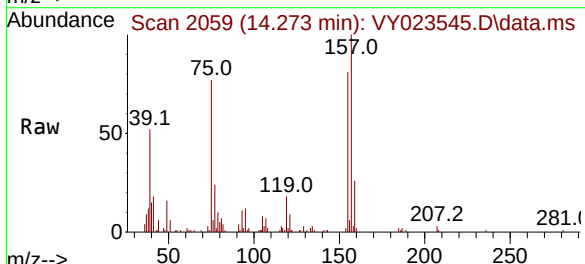
Manual Integrations  
APPROVED

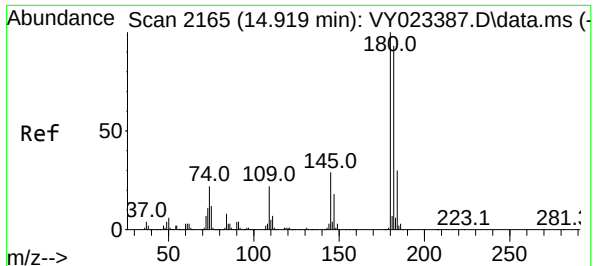
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.756 ug/l  
RT: 14.273 min Scan# 2059  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

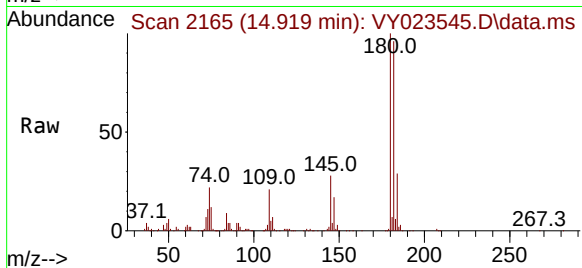
| Tgt Ion:  | 75    | Resp: | 12117 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 102.3 | 50.0  | 150.0 |
| 157       | 132.5 | 63.8  | 191.5 |





#93  
1,2,4-Trichlorobenzene  
Concen: 20.394 ug/l  
RT: 14.919 min Scan# 2165  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

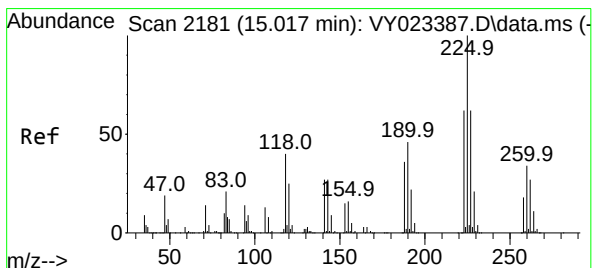
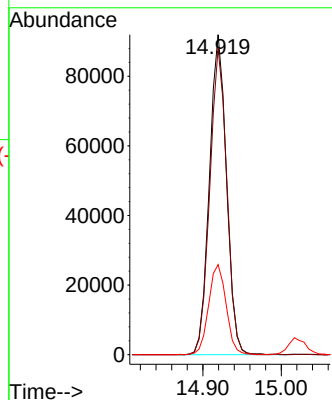
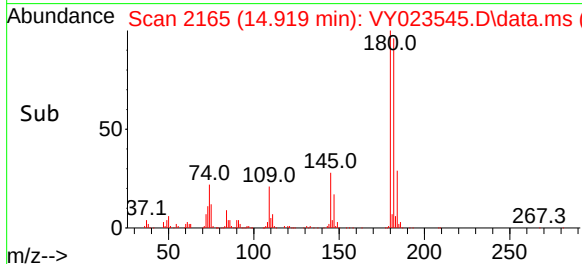
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01



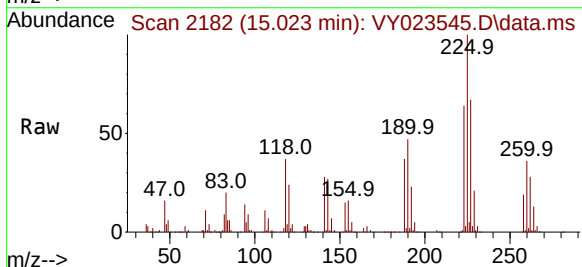
Tgt Ion:180 Resp: 138915  
Ion Ratio Lower Upper  
180 100  
182 95.6 47.9 143.6  
145 28.9 14.7 44.1

Manual Integrations  
APPROVED

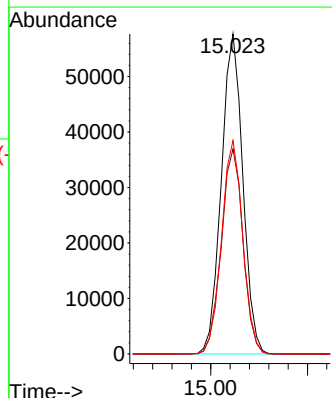
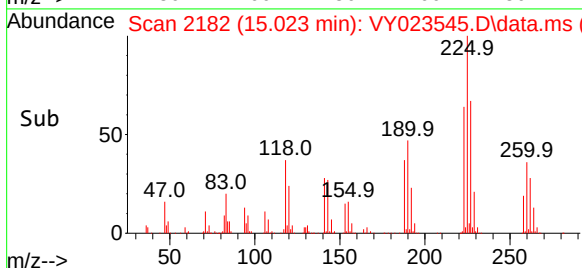
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

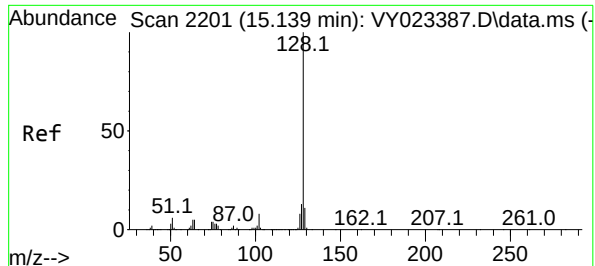


#94  
Hexachlorobutadiene  
Concen: 20.897 ug/l  
RT: 15.023 min Scan# 2182  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28



Tgt Ion:225 Resp: 88730  
Ion Ratio Lower Upper  
225 100  
223 64.5 30.8 92.3  
227 66.0 31.9 95.7





#95

Naphthalene

Concen: 18.822 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion:128 Resp: 204152

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

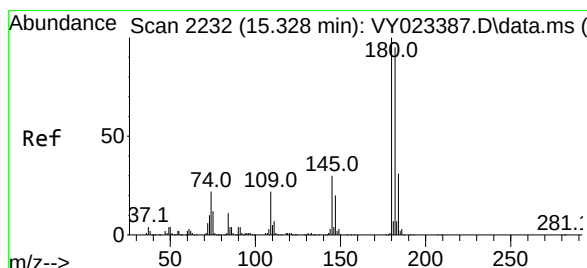
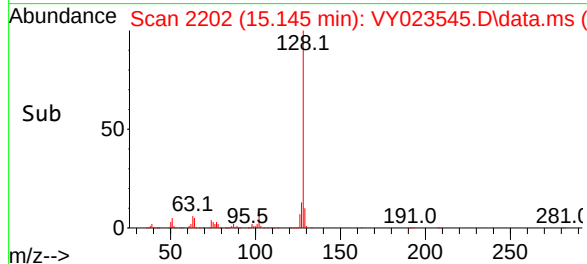
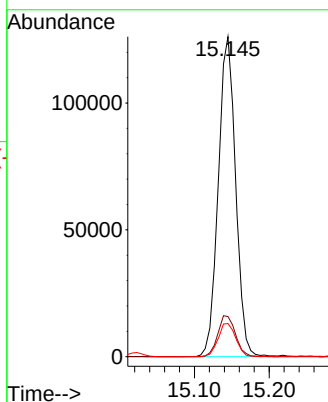
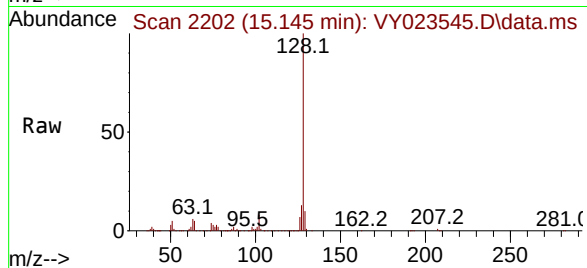
129 10.6 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#96

1,2,3-Trichlorobenzene

Concen: 19.751 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

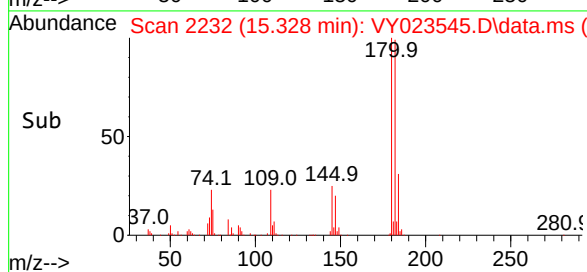
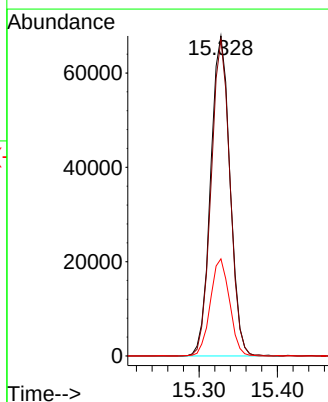
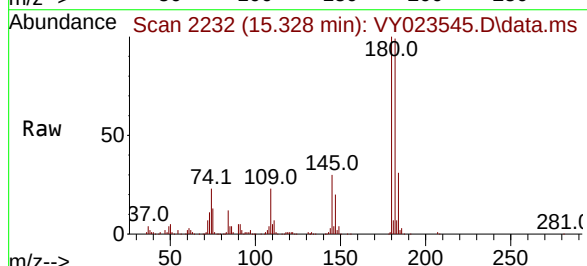
Tgt Ion:180 Resp: 116532

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.8

145 30.1 15.3 45.9



**Report of Analysis**

Client: AECOM  
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
 Client Sample ID: VX1103WBSD01  
 Lab Sample ID: VX1103WBSD01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3422  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 16.7  |      | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 74-87-3        | Chloromethane                  | 19.6  |      | 1  | 0.32  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 75-01-4        | Vinyl Chloride                 | 18.4  |      | 1  | 0.26  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 74-83-9        | Bromomethane                   | 20.8  |      | 1  | 1.40  | 5.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 75-00-3        | Chloroethane                   | 17.2  |      | 1  | 0.47  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 75-69-4        | Trichlorofluoromethane         | 18.5  |      | 1  | 0.33  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 17.7  |      | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 75-35-4        | 1,1-Dichloroethene             | 16.5  |      | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 67-64-1        | Acetone                        | 99.0  |      | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 75-15-0        | Carbon Disulfide               | 16.5  |      | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 1634-04-4      | Methyl tert-butyl Ether        | 17.4  |      | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 79-20-9        | Methyl Acetate                 | 16.0  |      | 1  | 0.27  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 75-09-2        | Methylene Chloride             | 16.8  |      | 1  | 0.28  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 156-60-5       | trans-1,2-Dichloroethene       | 16.7  |      | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 75-34-3        | 1,1-Dichloroethane             | 16.8  |      | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 110-82-7       | Cyclohexane                    | 19.5  |      | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 78-93-3        | 2-Butanone                     | 98.3  |      | 1  | 0.98  | 5.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 56-23-5        | Carbon Tetrachloride           | 21.6  |      | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 156-59-2       | cis-1,2-Dichloroethene         | 19.3  |      | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 74-97-5        | Bromochloromethane             | 17.8  |      | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 67-66-3        | Chloroform                     | 19.1  |      | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 71-55-6        | 1,1,1-Trichloroethane          | 19.1  |      | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 108-87-2       | Methylcyclohexane              | 19.3  |      | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 71-43-2        | Benzene                        | 22.8  |      | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 107-06-2       | 1,2-Dichloroethane             | 21.1  |      | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 79-01-6        | Trichloroethene                | 19.1  |      | 1  | 0.090 | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 78-87-5        | 1,2-Dichloropropane            | 19.5  |      | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 75-27-4        | Bromodichloromethane           | 21.7  |      | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 100   |      | 1  | 0.68  | 5.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 108-88-3       | Toluene                        | 19.7  |      | 1  | 0.14  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 10061-02-6     | t-1,3-Dichloropropene          | 21.7  |      | 1  | 0.17  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 21.0  |      | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 79-00-5        | 1,1,2-Trichloroethane          | 20.4  |      | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 591-78-6       | 2-Hexanone                     | 110   |      | 1  | 0.89  | 5.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 124-48-1       | Dibromochloromethane           | 21.0  |      | 1  | 0.18  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 106-93-4       | 1,2-Dibromoethane              | 20.8  |      | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 127-18-4       | Tetrachloroethene              | 19.9  |      | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 108-90-7       | Chlorobenzene                  | 20.0  |      | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 100-41-4       | Ethyl Benzene                  | 20.3  |      | 1  | 0.13  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 179601-23-1    | m/p-Xylenes                    | 40.7  |      | 1  | 0.24  | 2.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 95-47-6        | o-Xylene                       | 19.8  |      | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 100-42-5       | Styrene                        | 20.6  |      | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |
| 75-25-2        | Bromoform                      | 21.5  |      | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 12:44 | VX110325 |

### Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: |               |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  |               |
| Client Sample ID:  | VX1103WBSD01                                     | SDG No.:        | Q3422         |
| Lab Sample ID:     | VX1103WBSD01                                     | Matrix:         | Water         |
| Analytical Method: | 8260D                                            | % Solid:        | 0             |
| Sample Wt/Vol:     | 5 mL                                             | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 17.5              |      | 1  | 0.12     | 1.00       | ug/L    | 11/03/25 12:44 | VX110325 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 17.6              |      | 1  | 0.26     | 1.00       | ug/L    | 11/03/25 12:44 | VX110325 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 19.7              |      | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 12:44 | VX110325 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 19.9              |      | 1  | 0.19     | 1.00       | ug/L    | 11/03/25 12:44 | VX110325 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 20.2              |      | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 12:44 | VX110325 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 20.0              |      | 1  | 0.53     | 1.00       | ug/L    | 11/03/25 12:44 | VX110325 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 19.5              |      | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 12:44 | VX110325 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 20.6              |      | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 12:44 | VX110325 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 49.2              |      |    | 74 - 125 | 98%        | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 59.5              |      |    | 75 - 124 | 119%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 50.7              |      |    | 86 - 113 | 101%       | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 50.5              |      |    | 77 - 121 | 101%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 167000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 243000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 214000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 125000            |      |    |          |            |         |                |          |

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\VX110325\  
 Data File : VX048450.D  
 Acq On : 03 Nov 2025 12:44  
 Operator : JC/MD  
 Sample : VX1103WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1103WBSD01

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
 Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:11:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.538  | 168  | 167391   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.745  | 114  | 243248   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 213899   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 125216   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.940  | 65    | 118363   | 49.168   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | =    | 98.340%  |
| 35) Dibromofluoromethane  | 5.367  | 113   | 82463    | 59.461   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 118.920% |
| 50) Toluene-d8            | 8.635  | 98    | 310153   | 50.663   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | =    | 101.320% |
| 62) 4-Bromofluorobenzene  | 11.061 | 95    | 115754   | 50.546   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | =    | 101.100% |

### Target Compounds

|                              |       |     |        |        |      | Qvalue |
|------------------------------|-------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane   | 1.173 | 85  | 28587  | 16.742 | ug/l | 98     |
| 3) Chloromethane             | 1.301 | 50  | 18864  | 19.582 | ug/l | 94     |
| 4) Vinyl Chloride            | 1.380 | 62  | 41029  | 18.437 | ug/l | 96     |
| 5) Bromomethane              | 1.618 | 94  | 16723  | 20.803 | ug/l | 100    |
| 6) Chloroethane              | 1.697 | 64  | 22765  | 17.202 | ug/l | 94     |
| 7) Trichlorofluoromethane    | 1.898 | 101 | 63221  | 18.539 | ug/l | 97     |
| 8) Diethyl Ether             | 2.136 | 74  | 22209  | 18.020 | ug/l | 94     |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 33979  | 17.714 | ug/l | 98     |
| 10) Methyl Iodide            | 2.459 | 142 | 116804 | 15.143 | ug/l | 97     |
| 11) Tert butyl alcohol       | 2.934 | 59  | 16367  | 88.741 | ug/l | 100    |
| 12) 1,1-Dichloroethene       | 2.325 | 96  | 32177  | 16.515 | ug/l | 99     |
| 13) Acrolein                 | 2.233 | 56  | 30780  | 79.953 | ug/l | 99     |
| 14) Allyl chloride           | 2.666 | 41  | 53071  | 16.085 | ug/l | 93     |
| 15) Acrylonitrile            | 3.056 | 53  | 70727  | 84.295 | ug/l | 99     |
| 16) Acetone                  | 2.374 | 43  | 54019  | 99.007 | ug/l | 98     |
| 17) Carbon Disulfide         | 2.514 | 76  | 91991  | 16.467 | ug/l | 99     |
| 18) Methyl Acetate           | 2.697 | 43  | 29148  | 15.973 | ug/l | 95     |
| 19) Methyl tert-butyl Ether  | 3.105 | 73  | 108511 | 17.392 | ug/l | 99     |
| 20) Methylene Chloride       | 2.788 | 84  | 35256  | 16.763 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene | 3.093 | 96  | 34558  | 16.699 | ug/l | 97     |
| 22) Diisopropyl ether        | 3.745 | 45  | 116390 | 17.234 | ug/l | 90     |
| 23) Vinyl Acetate            | 3.715 | 43  | 420032 | 91.365 | ug/l | 100    |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 64269  | 16.768 | ug/l | 99     |
| 25) 2-Butanone               | 4.538 | 43  | 85712  | 98.337 | ug/l | 99     |
| 26) 2,2-Dichloropropane      | 4.465 | 77  | 57945  | 17.559 | ug/l | 99     |
| 27) cis-1,2-Dichloroethene   | 4.477 | 96  | 47619  | 19.280 | ug/l | 93     |
| 28) Bromochloromethane       | 4.879 | 49  | 30971  | 17.830 | ug/l | 85     |
| 29) Tetrahydrofuran          | 4.989 | 42  | 58619  | 94.436 | ug/l | 96     |
| 30) Chloroform               | 5.080 | 83  | 75476  | 19.143 | ug/l | 95     |
| 31) Cyclohexane              | 5.458 | 56  | 64995  | 19.536 | ug/l | 90     |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 66453  | 19.092 | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 5.678 | 75  | 51407  | 22.073 | ug/l | 98     |
| 37) Ethyl Acetate            | 4.696 | 43  | 43278  | 21.811 | ug/l | 97     |
| 38) Carbon Tetrachloride     | 5.666 | 117 | 58118  | 21.613 | ug/l | 99     |
| 39) Methylcyclohexane        | 7.367 | 83  | 57757  | 19.285 | ug/l | 94     |
| 40) Benzene                  | 6.019 | 78  | 161903 | 22.755 | ug/l | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
 Data File : VX048450.D  
 Acq On : 03 Nov 2025 12:44  
 Operator : JC/MD  
 Sample : VX1103WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1103WBSD01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
 Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:11:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.904  | 41   | 21606    | 21.618  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.068  | 62   | 52847    | 21.088  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 6.318  | 43   | 71645    | 21.870  | ug/l # | 94       |
| 44) Trichloroethene           | 7.111  | 130  | 35651    | 19.125  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.415  | 63   | 34570    | 19.455  | ug/l   | 99       |
| 46) Dibromomethane            | 7.562  | 93   | 26065    | 20.954  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.806  | 83   | 57259    | 21.665  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.678  | 41   | 32975    | 20.641  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.641  | 88   | 7227     | 398.005 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 188925   | 103.625 | ug/l   | 100      |
| 52) Toluene                   | 8.702  | 92   | 87495    | 19.680  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75   | 52024    | 21.717  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 54151    | 20.981  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.135  | 97   | 32818    | 20.398  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 46338    | 19.670  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 57236    | 20.518  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.226  | 63   | 131453   | 99.496  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.415  | 43   | 128193   | 108.062 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.506  | 129  | 41852    | 21.033  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 34557    | 20.762  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.257  | 164  | 34197    | 19.852  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.061 | 112  | 98457    | 19.980  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131  | 35783    | 21.348  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.177 | 91   | 168078   | 20.257  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.287 | 106  | 127810   | 40.684  | ug/l   | 99       |
| 69) o-Xylene                  | 10.622 | 106  | 59421    | 19.793  | ug/l   | 100      |
| 70) Styrene                   | 10.640 | 104  | 104613   | 20.570  | ug/l   | 99       |
| 71) Bromoform                 | 10.781 | 173  | 26051    | 21.484  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.945 | 105  | 162157   | 17.509  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.823 | 43   | 58503    | 17.707  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 41188    | 17.557  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.220 | 75   | 32874m   | 18.256  | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 39611    | 17.314  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.287 | 91   | 192825   | 17.615  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.348 | 91   | 114551   | 17.430  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 134673   | 17.739  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 8777     | 16.867  | ug/l # | 74       |
| 82) 4-Chlorotoluene           | 11.433 | 91   | 137156   | 17.752  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 134749   | 17.434  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 135084   | 17.970  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 190712   | 19.803  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 167323   | 20.551  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 85899    | 19.660  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 88526    | 19.893  | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.311 | 91   | 149301   | 19.531  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.518 | 117  | 27911    | 19.510  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 81672    | 20.172  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.927 | 75   | 9170     | 19.962  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 54589    | 19.539  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 23093    | 19.705  | ug/l   | 99       |
| 95) Naphthalene               | 13.756 | 128  | 136418   | 19.333  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.939 | 180  | 52342    | 20.625  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048450.D  
Acq On : 03 Nov 2025 12:44  
Operator : JC/MD  
Sample : VX1103WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01

Manual Integrations  
**APPROVED**

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:11:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

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

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

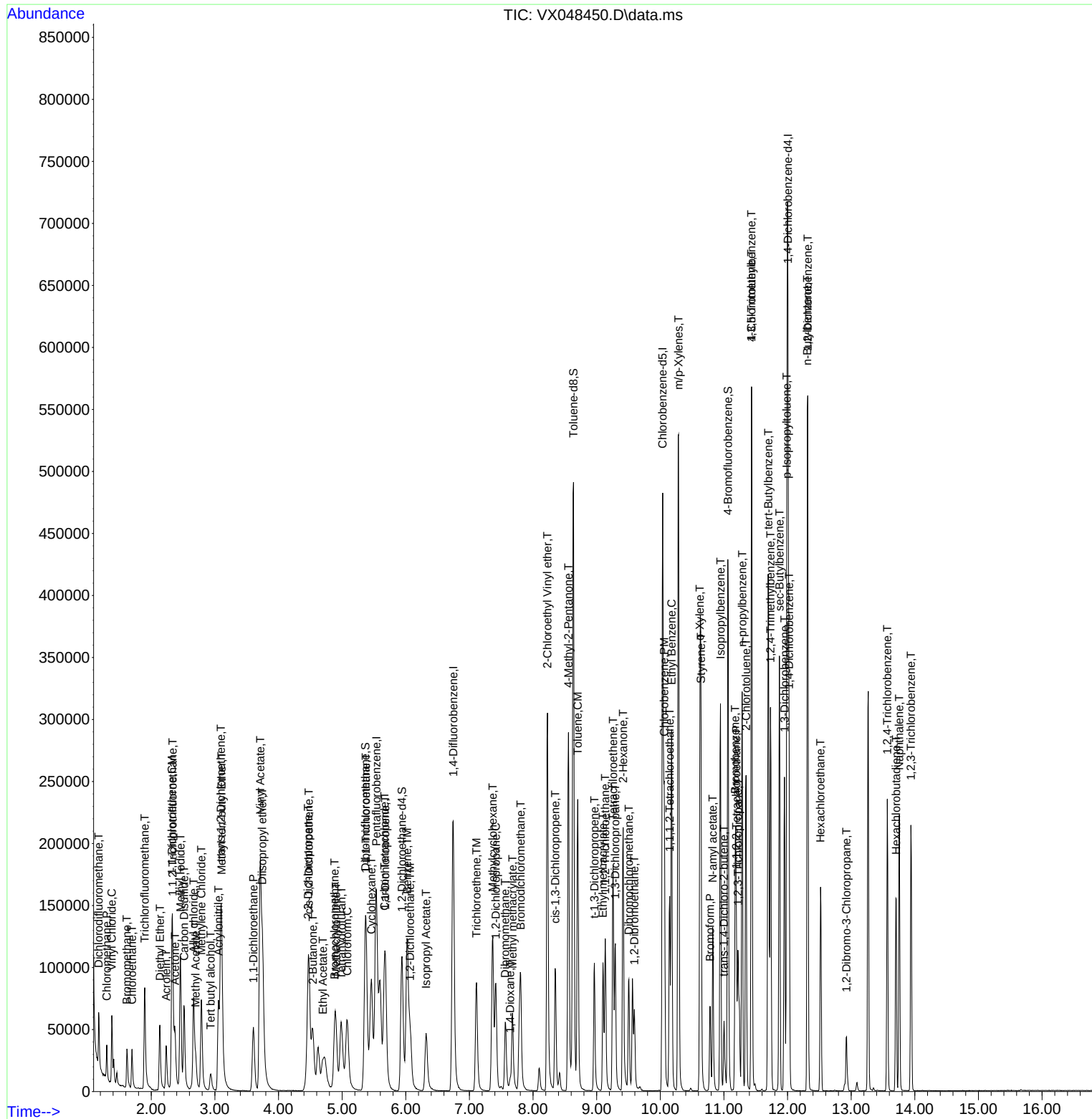
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Data File : VX048450.D  
Acq On : 03 Nov 2025 12:44  
Operator : JC/MD  
Sample : VX1103WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

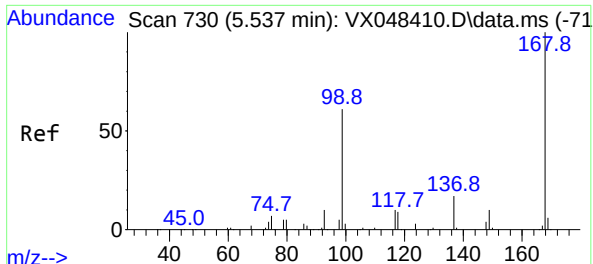
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

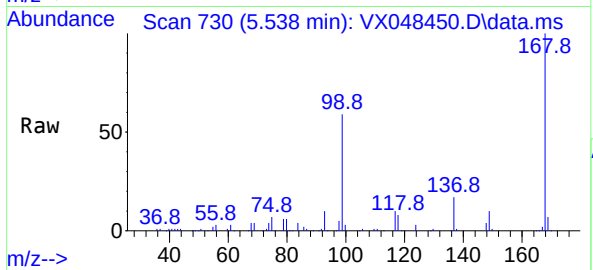
Quant Time: Nov 04 00:11:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

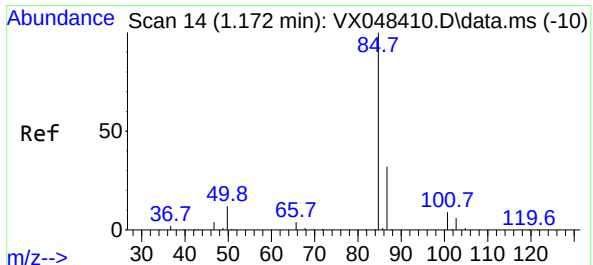
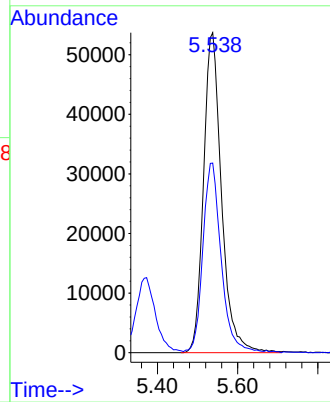
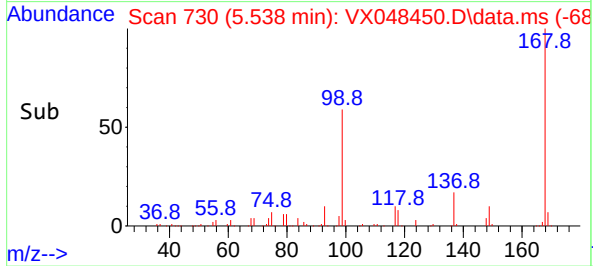
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01



Tgt Ion:168 Resp: 16739  
Ion Ratio Lower Upper  
168 100  
99 59.2 46.4 69.6

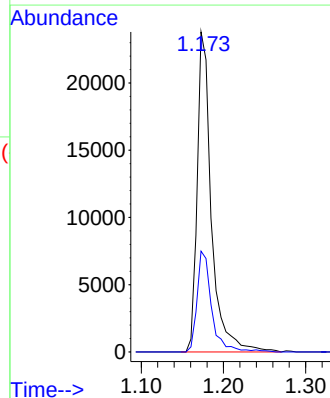
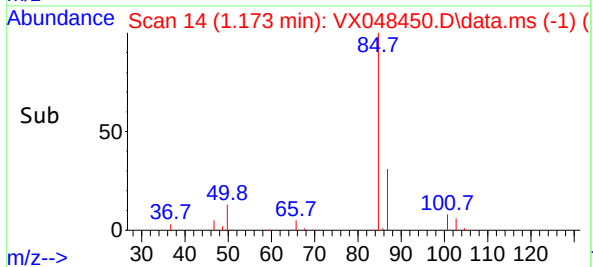
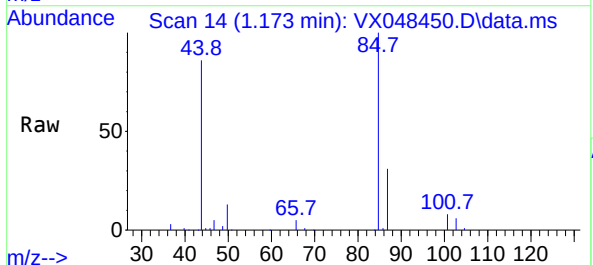
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

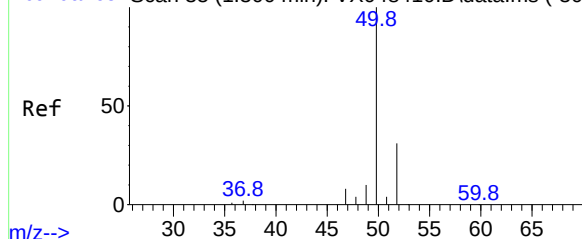


#2  
Dichlorodifluoromethane  
Concen: 16.742 ug/l  
RT: 1.173 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Tgt Ion: 85 Resp: 28587  
Ion Ratio Lower Upper  
85 100  
87 31.5 15.3 45.9



Abundance Scan 35 (1.300 min): VX048410.D\data.ms (-30)



#3

Chloromethane

Concen: 19.582 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 50 Resp: 18864

Ion Ratio Lower Upper

50 100

52 35.6 25.9 38.9

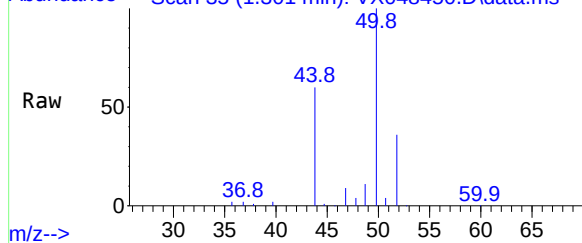
Manual Integrations

APPROVED

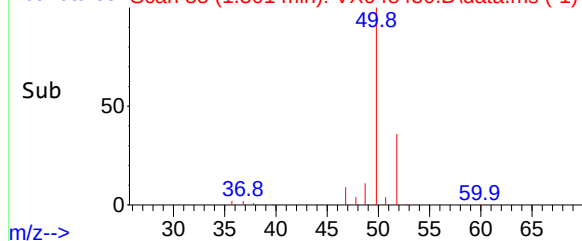
Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

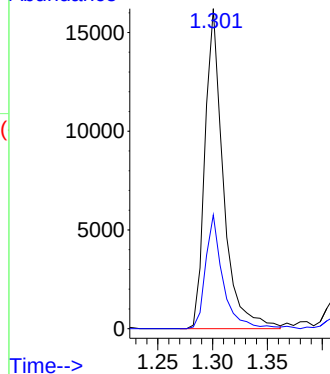
Abundance Scan 35 (1.301 min): VX048450.D\data.ms



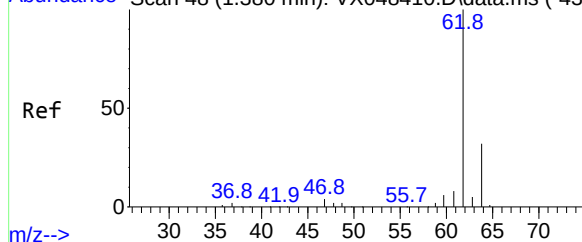
Abundance Scan 35 (1.301 min): VX048450.D\data.ms (-1) (



Abundance



Abundance Scan 48 (1.380 min): VX048410.D\data.ms (-43)



#4

Vinyl Chloride

Concen: 18.437 ug/l

RT: 1.380 min Scan# 48

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

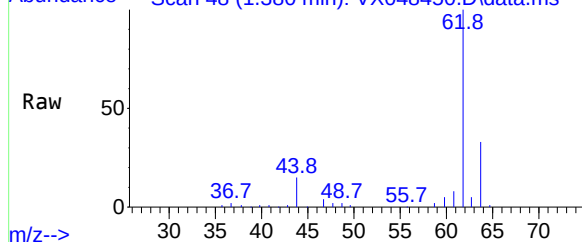
Tgt Ion: 62 Resp: 41029

Ion Ratio Lower Upper

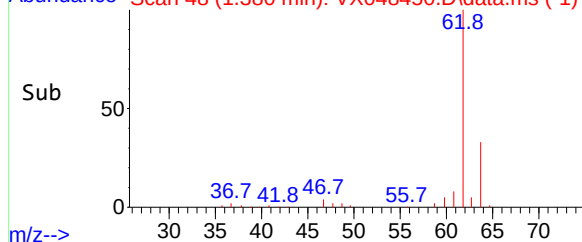
62 100

64 33.4 25.1 37.7

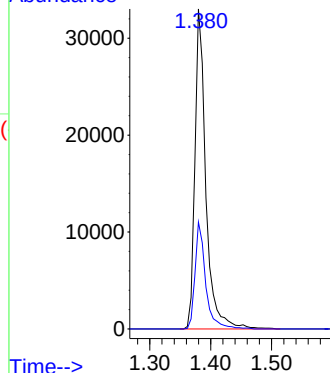
Abundance Scan 48 (1.380 min): VX048450.D\data.ms



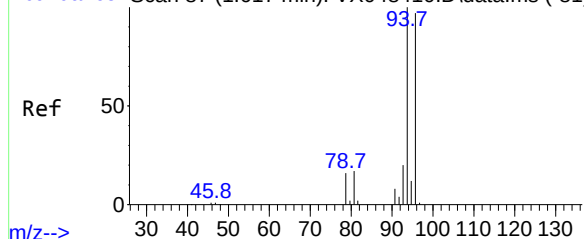
Abundance Scan 48 (1.380 min): VX048450.D\data.ms (-1) (



Abundance



Abundance Scan 87 (1.617 min): VX048410.D\data.ms (-81)



#5

Bromomethane

Concen: 20.803 ug/l

RT: 1.618 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 94 Resp: 1672

Ion Ratio Lower Upper

94 100

96 94.9 76.0 114.0

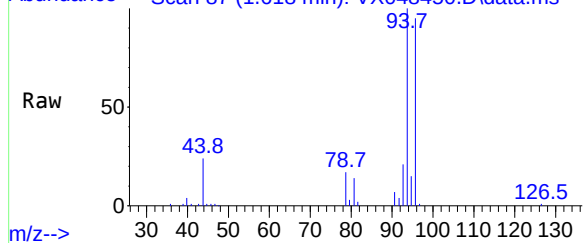
Manual Integrations

APPROVED

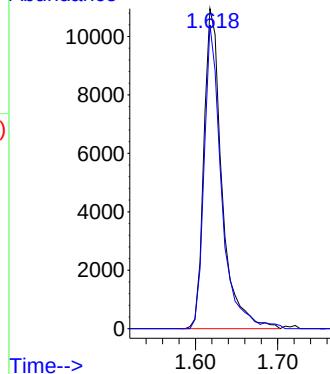
Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

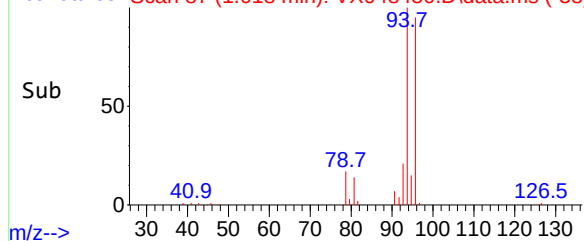
Abundance Scan 87 (1.618 min): VX048450.D\data.ms



Abundance

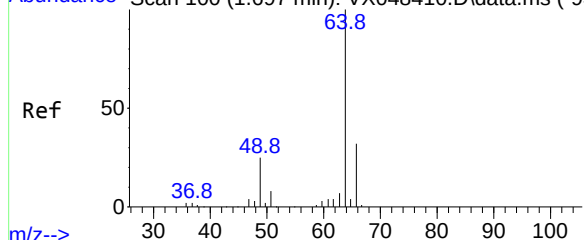


Abundance Scan 87 (1.618 min): VX048450.D\data.ms (-38)



Time--&gt;

Abundance Scan 100 (1.697 min): VX048410.D\data.ms (-93)



#6

Chloroethane

Concen: 17.202 ug/l

RT: 1.697 min Scan# 100

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

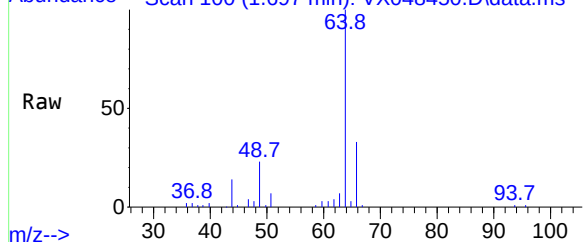
Tgt Ion: 64 Resp: 22765

Ion Ratio Lower Upper

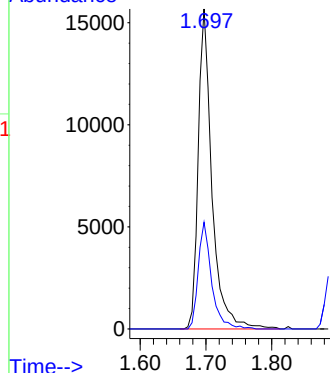
64 100

66 33.4 23.9 35.9

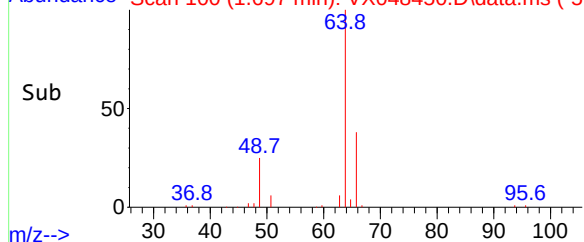
Abundance Scan 100 (1.697 min): VX048450.D\data.ms



Abundance

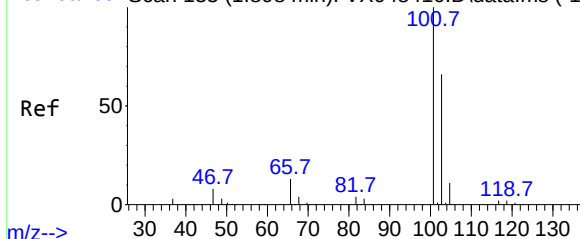


Abundance Scan 100 (1.697 min): VX048450.D\data.ms (-51)



Time--&gt;

Abundance Scan 133 (1.898 min): VX048410.D\data.ms (-12



#7

Trichlorofluoromethane

Concen: 18.539 ug/l

RT: 1.898 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion:101 Resp: 6322

Ion Ratio Lower Upper

101 100

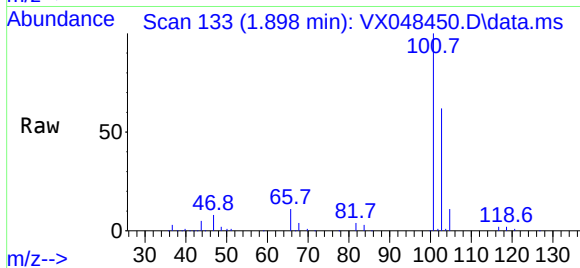
103 62.4 51.6 77.4

Manual Integrations

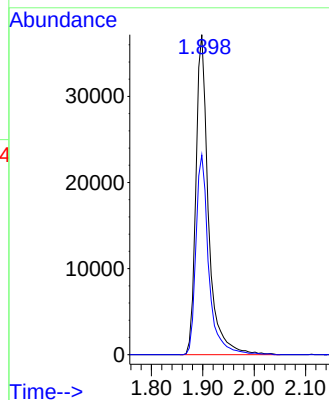
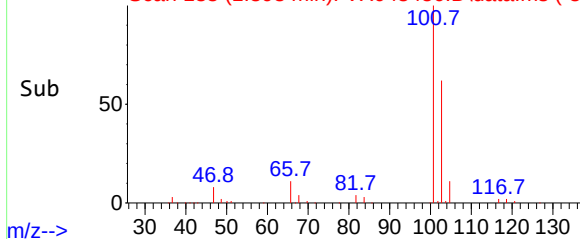
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

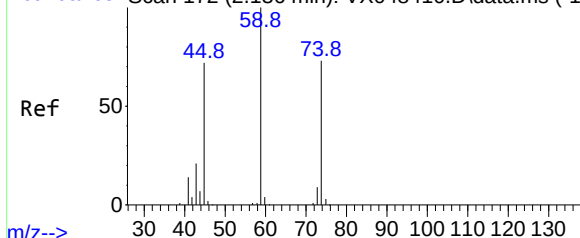
Supervised By :mohammad ahmed 11/04/2025



Abundance Scan 133 (1.898 min): VX048450.D\data.ms (-84



Abundance Scan 172 (2.136 min): VX048410.D\data.ms (-16



#8

Diethyl Ether

Concen: 18.020 ug/l

RT: 2.136 min Scan# 172

Delta R.T. 0.000 min

Lab File: VX048450.D

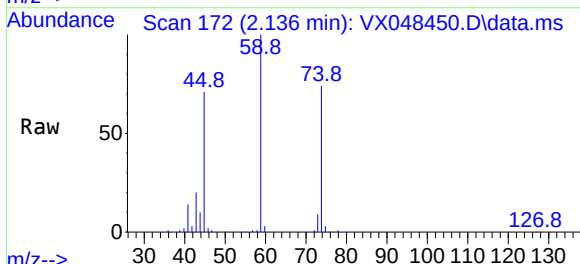
Acq: 03 Nov 2025 12:44

Tgt Ion: 74 Resp: 22209

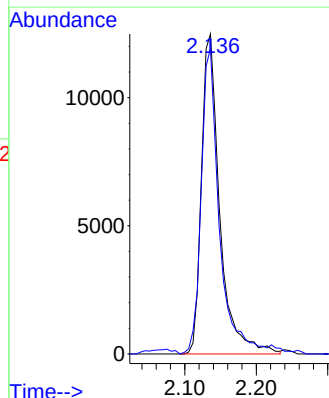
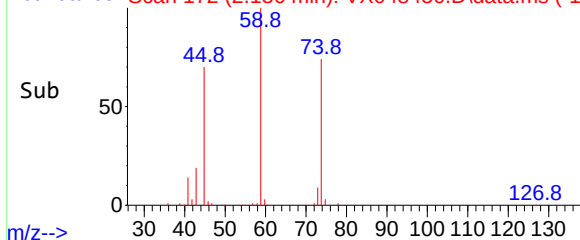
Ion Ratio Lower Upper

74 100

45 93.9 50.0 149.8

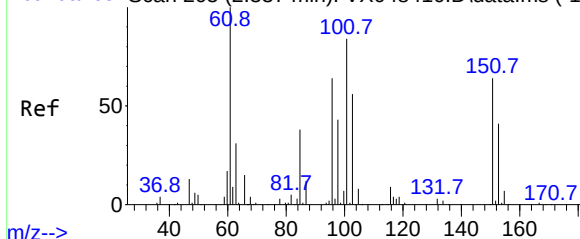


Abundance Scan 172 (2.136 min): VX048450.D\data.ms (-12



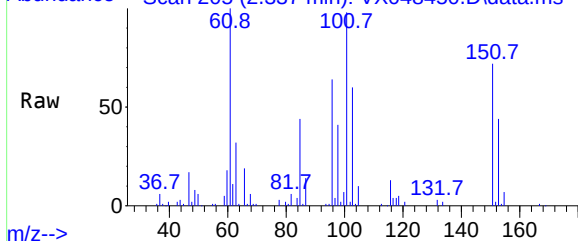


Abundance Scan 205 (2.337 min): VX048410.D\data.ms (-19



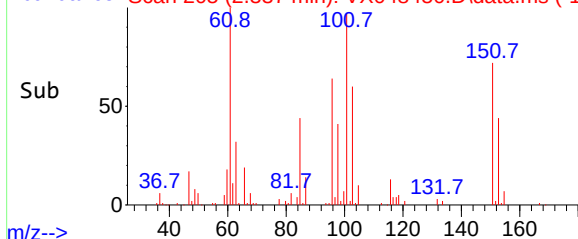
m/z--&gt;

Abundance Scan 205 (2.337 min): VX048450.D\data.ms



m/z--&gt;

Abundance Scan 205 (2.337 min): VX048450.D\data.ms (-15



m/z--&gt;

#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.714 ug/l

RT: 2.337 min Scan# 205

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion:101 Resp: 33979

Ion Ratio Lower Upper

101 100

85 46.2 35.6 53.4

151 74.1 58.0 87.0

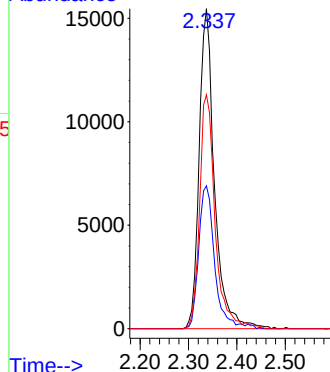
Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

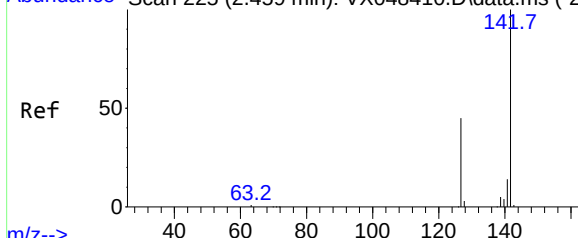
Supervised By :mohammad ahmed 11/04/2025

Abundance



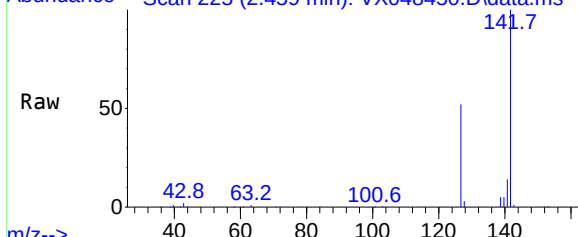
Time--&gt;

Abundance Scan 225 (2.459 min): VX048410.D\data.ms (-21



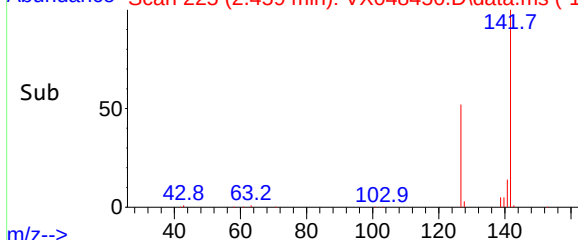
m/z--&gt;

Abundance Scan 225 (2.459 min): VX048450.D\data.ms



m/z--&gt;

Abundance Scan 225 (2.459 min): VX048450.D\data.ms (-17



m/z--&gt;

#10

Methyl Iodide

Concen: 15.143 ug/l

RT: 2.459 min Scan# 225

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Tgt Ion:142 Resp: 116804

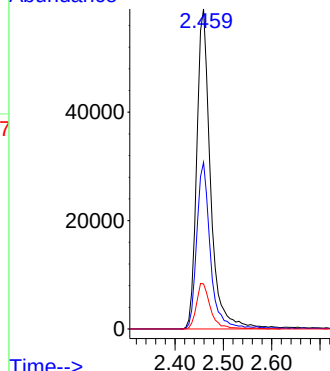
Ion Ratio Lower Upper

142 100

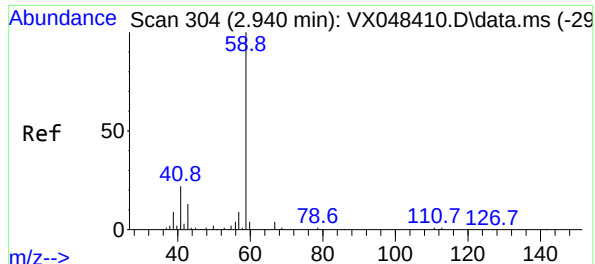
127 51.0 38.5 57.7

141 14.5 11.6 17.4

Abundance



Time--&gt;



#11

Tert butyl alcohol

Concen: 88.741 ug/l

RT: 2.934 min Scan# 304

Delta R.T. -0.006 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 59 Resp: 1636

Ion Ratio Lower Upper

59 100

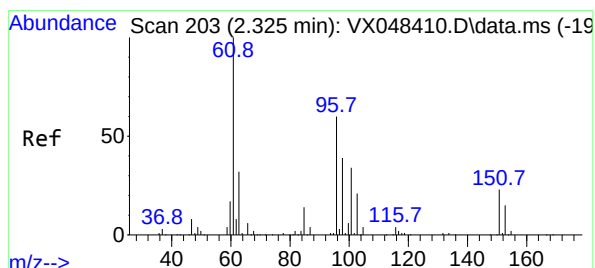
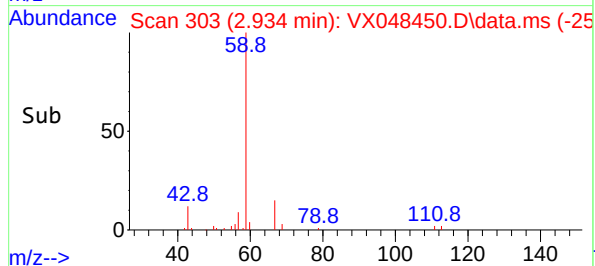
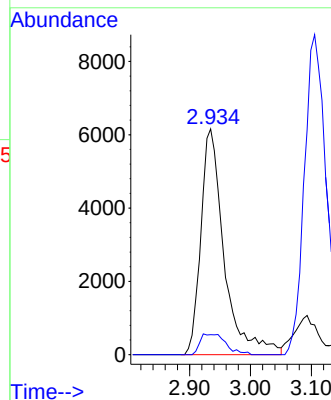
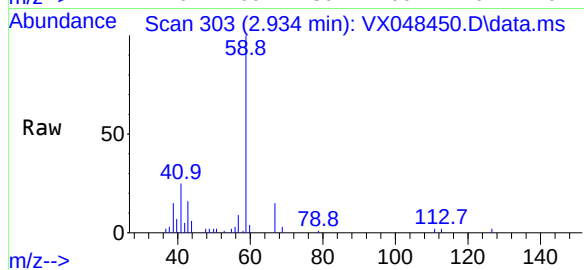
57 10.1 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#12

1,1-Dichloroethene

Concen: 16.515 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

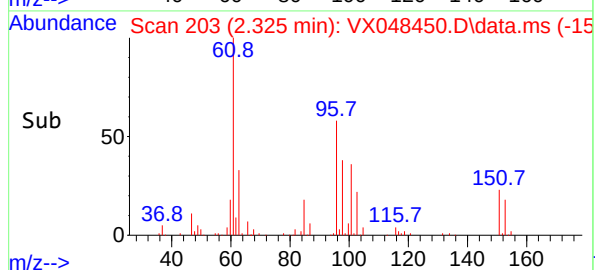
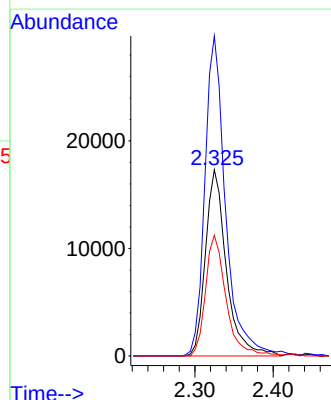
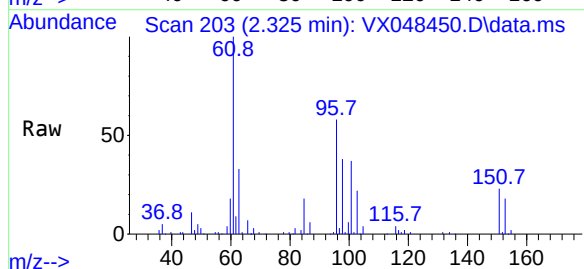
Tgt Ion: 96 Resp: 32177

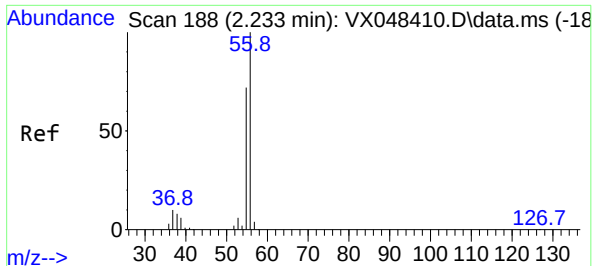
Ion Ratio Lower Upper

96 100

61 171.8 139.0 208.6

98 66.5 52.4 78.6





#13

Acrolein

Concen: 79.953 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 56 Resp: 30780

Ion Ratio Lower Upper

56 100

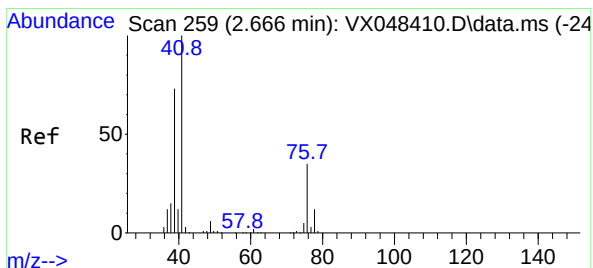
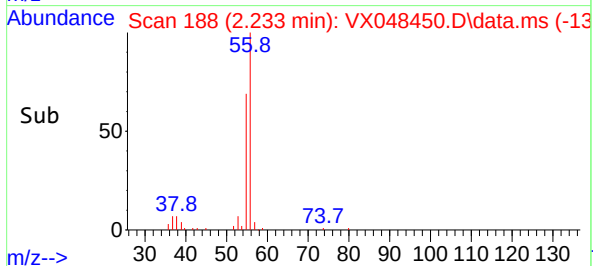
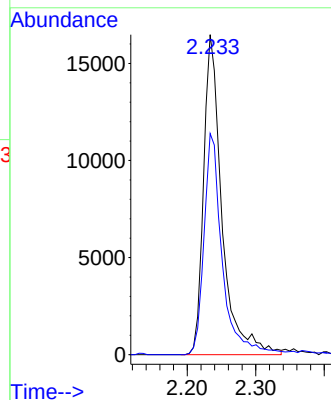
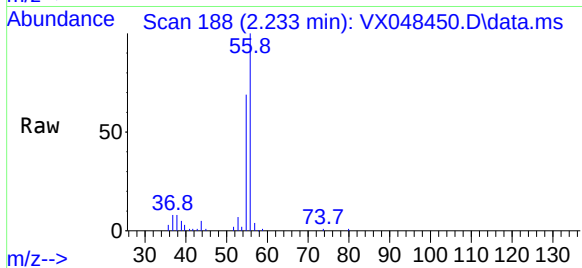
55 68.9 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#14

Allyl chloride

Concen: 16.085 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

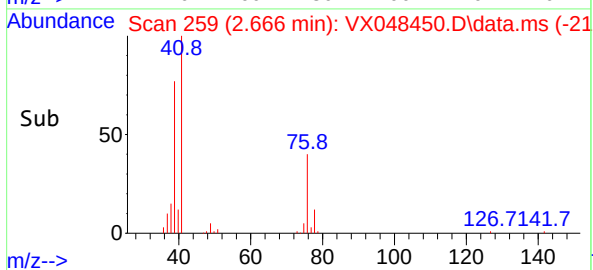
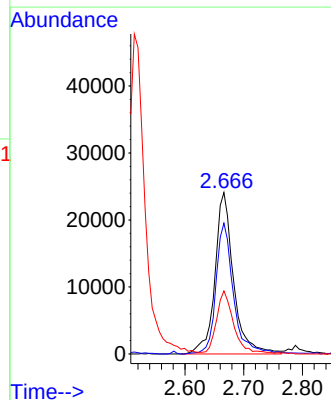
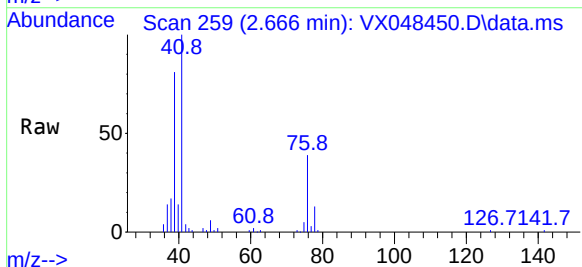
Tgt Ion: 41 Resp: 53071

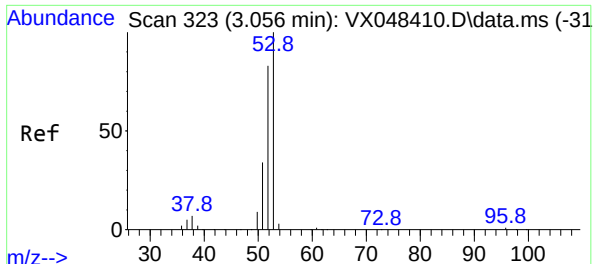
Ion Ratio Lower Upper

41 100

39 76.6 56.0 84.0

76 36.8 27.5 41.3





#15

Acrylonitrile

Concen: 84.295 ug/l

RT: 3.056 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

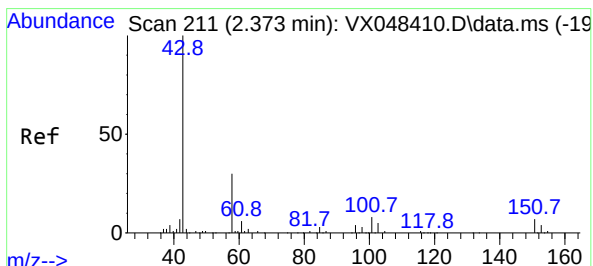
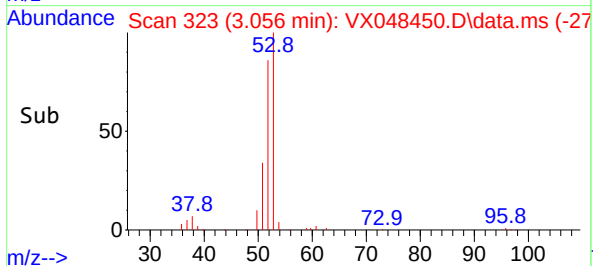
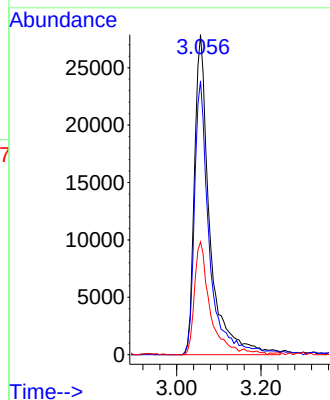
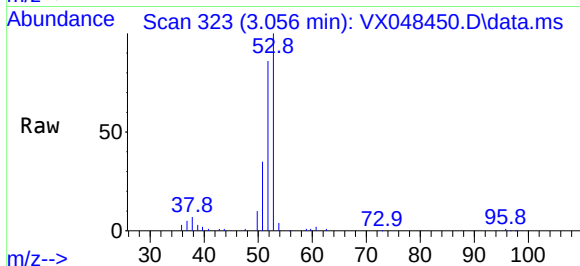
ClientSampleId :

VX1103WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 7072  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.1  | 66.1  | 99.1  |
| 51       | 34.9  | 29.0  | 43.4  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#16

Acetone

Concen: 99.007 ug/l

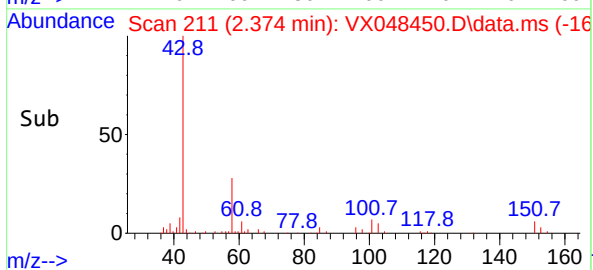
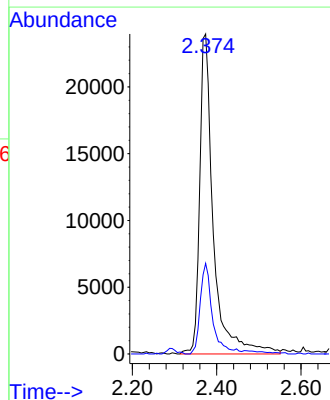
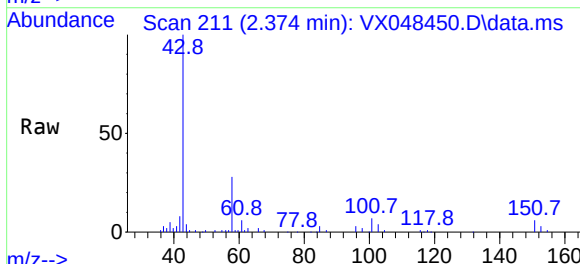
RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

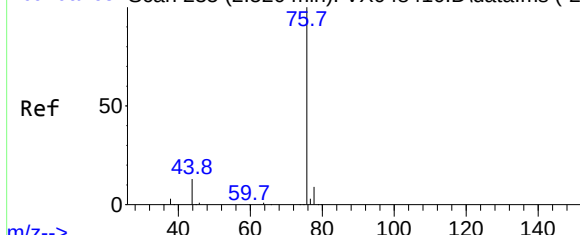
Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 54019 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.0  | 23.4  | 35.2  |



Abundance Scan 235 (2.520 min): VX048410.D\data.ms (-22



#17

Carbon Disulfide

Concen: 16.467 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 76 Resp: 9199

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

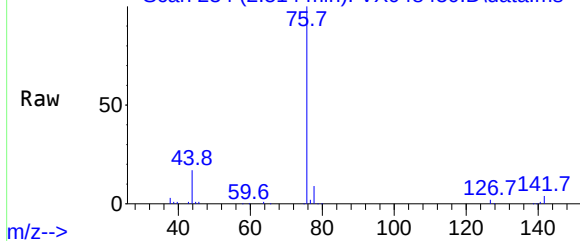
Manual Integrations

APPROVED

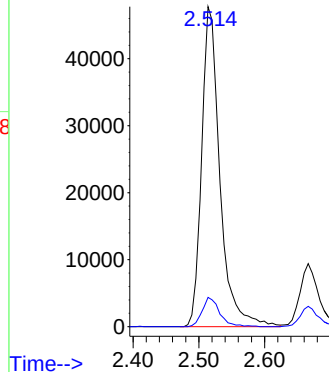
Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025

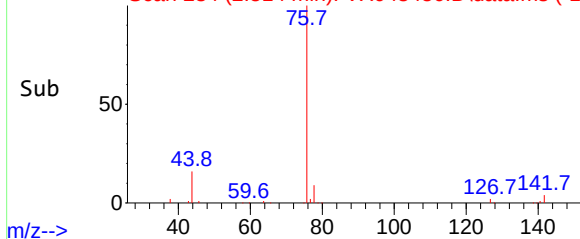
Abundance Scan 234 (2.514 min): VX048450.D\data.ms



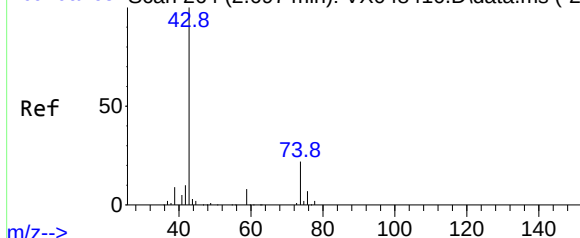
Abundance



Abundance Scan 234 (2.514 min): VX048450.D\data.ms (-18



Abundance Scan 264 (2.697 min): VX048410.D\data.ms (-25



#18

Methyl Acetate

Concen: 15.973 ug/l

RT: 2.697 min Scan# 264

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

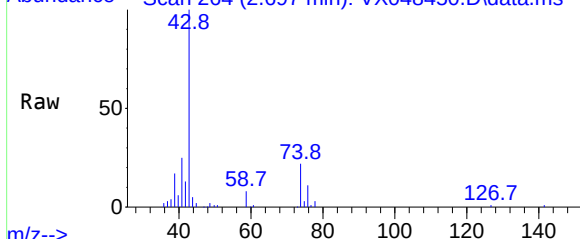
Tgt Ion: 43 Resp: 29148

Ion Ratio Lower Upper

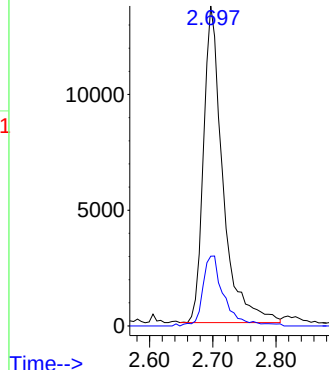
43 100

74 24.2 17.5 26.3

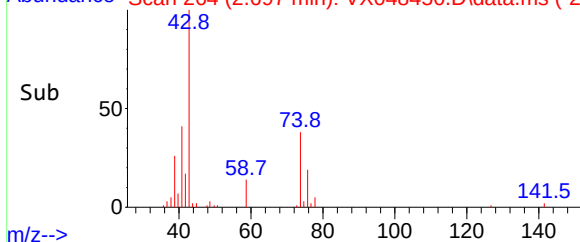
Abundance Scan 264 (2.697 min): VX048450.D\data.ms

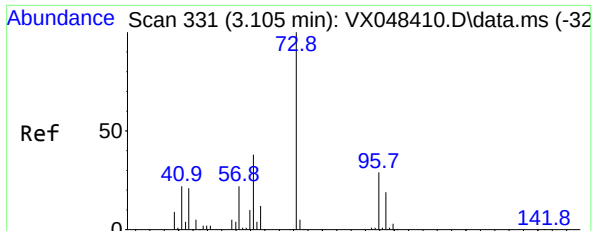


Abundance



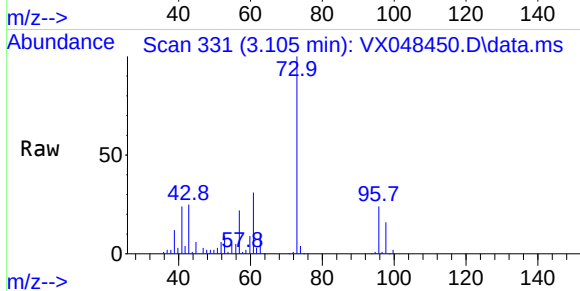
Abundance Scan 264 (2.697 min): VX048450.D\data.ms (-21





#19  
Methyl tert-butyl Ether  
Concen: 17.392 ug/l  
RT: 3.105 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

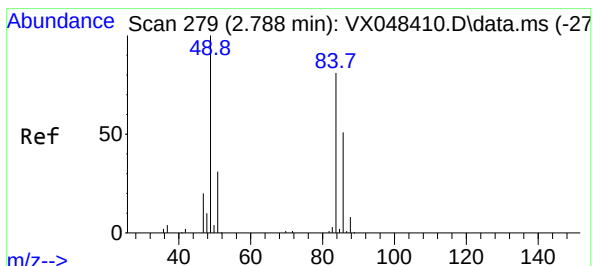
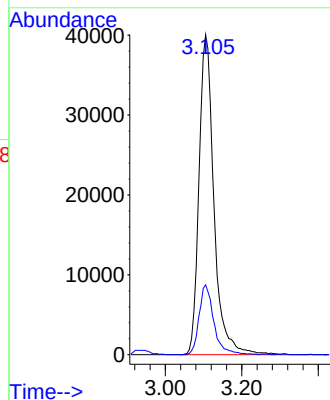
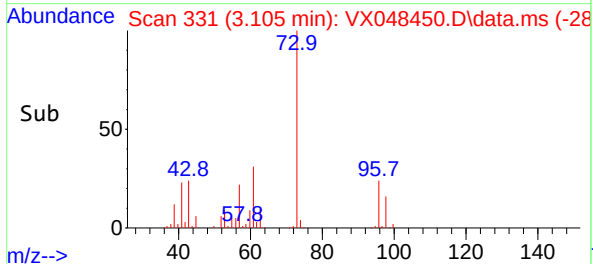
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01



Tgt Ion: 73 Resp: 10851  
Ion Ratio Lower Upper  
73 100  
57 21.8 17.7 26.5

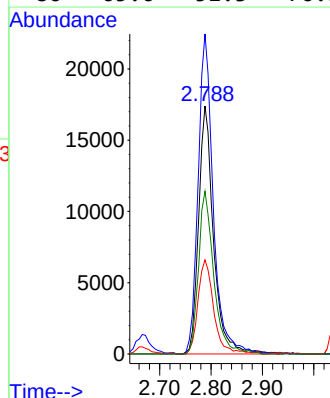
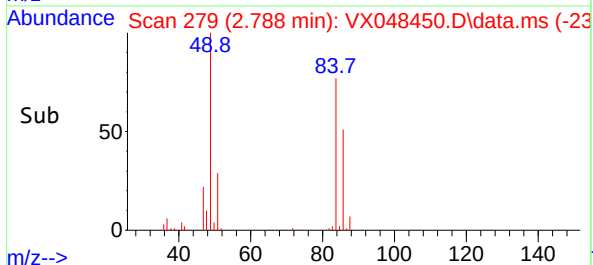
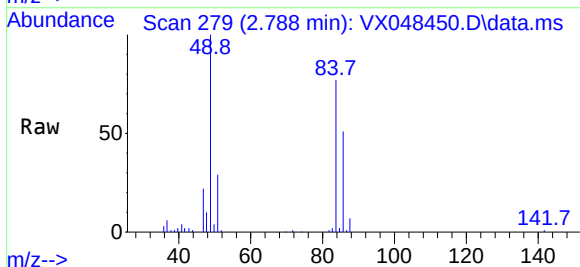
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

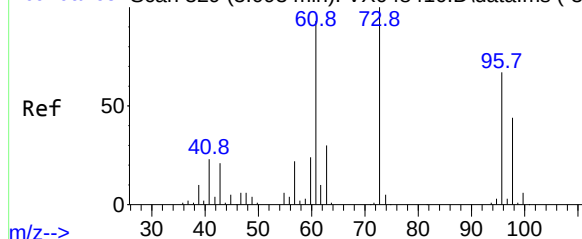


#20  
Methylene Chloride  
Concen: 16.763 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Tgt Ion: 84 Resp: 35256  
Ion Ratio Lower Upper  
84 100  
49 129.1 104.1 156.1  
51 37.9 31.3 46.9  
86 65.6 51.3 76.9



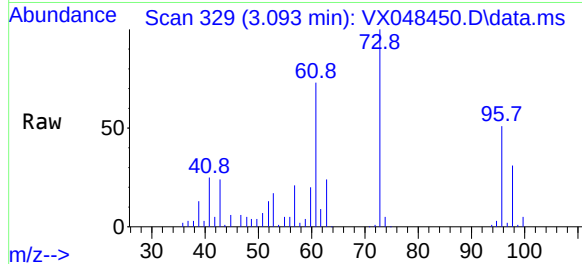
Abundance Scan 329 (3.093 min): VX048410.D\data.ms (-32



#21  
trans-1,2-Dichloroethene  
Concen: 16.699 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01

m/z--&gt; Abundance Scan 329 (3.093 min): VX048450.D\data.ms

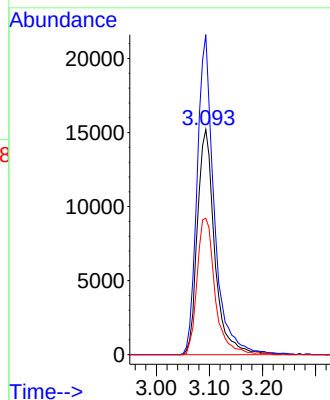
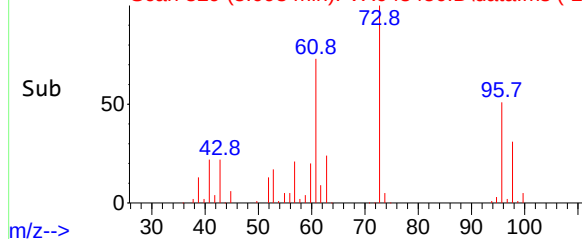


Tgt Ion: 96 Resp: 3455  
Ion Ratio Lower Upper  
96 100  
61 142.1 111.9 167.9  
98 60.6 51.2 76.8

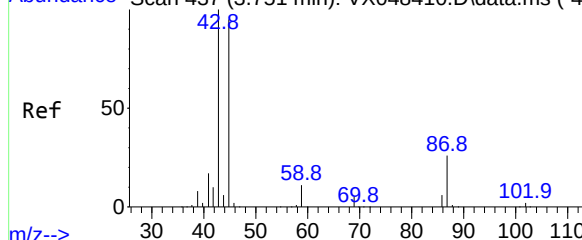
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

Abundance Scan 329 (3.093 min): VX048450.D\data.ms (-28



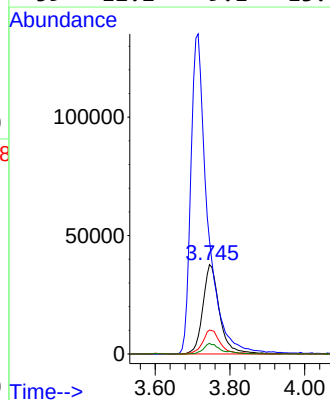
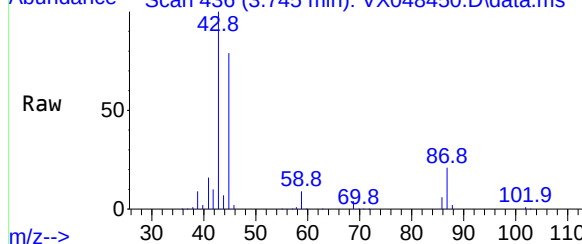
Abundance Scan 437 (3.751 min): VX048410.D\data.ms (-42



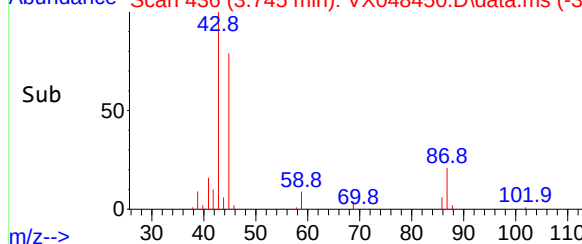
#22  
Diisopropyl ether  
Concen: 17.234 ug/l  
RT: 3.745 min Scan# 436  
Delta R.T. -0.006 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

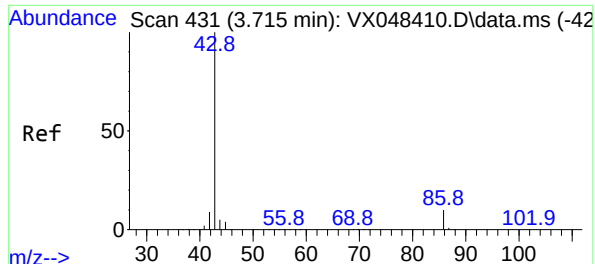
Tgt Ion: 45 Resp: 116390  
Ion Ratio Lower Upper  
45 100  
43 125.9 89.8 134.8  
87 26.6 20.6 31.0  
59 12.2 9.1 13.7

m/z--&gt; Abundance Scan 436 (3.745 min): VX048450.D\data.ms



Abundance Scan 436 (3.745 min): VX048450.D\data.ms (-38





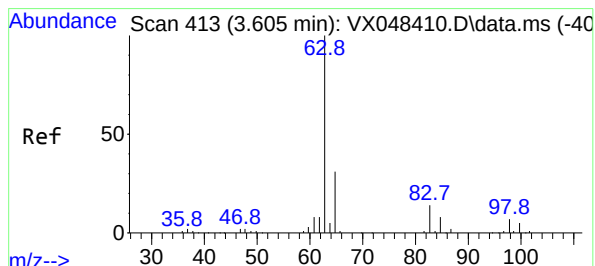
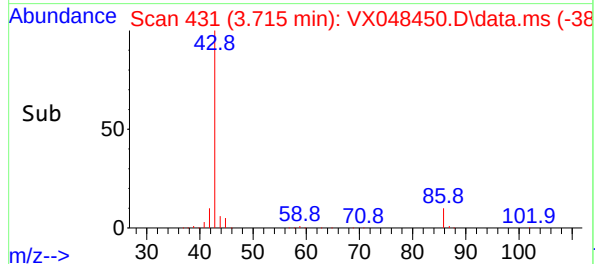
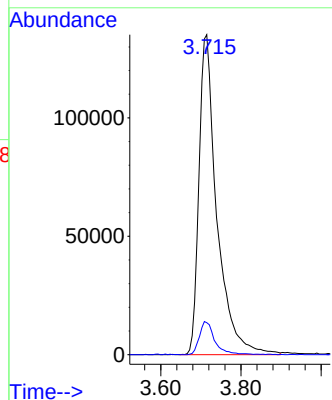
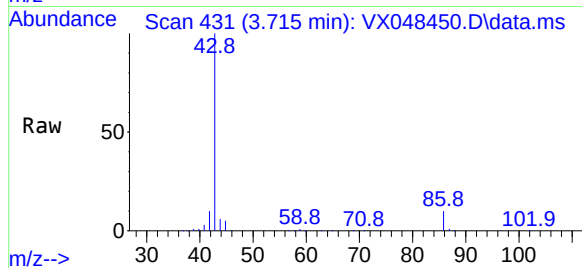
#23  
Vinyl Acetate  
Concen: 91.365 ug/l  
RT: 3.715 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01

Tgt Ion: 43 Resp: 42003  
Ion Ratio Lower Upper  
43 100  
86 10.0 7.9 11.9

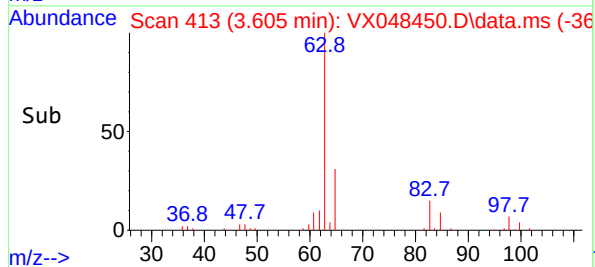
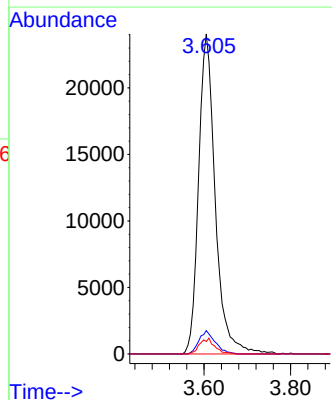
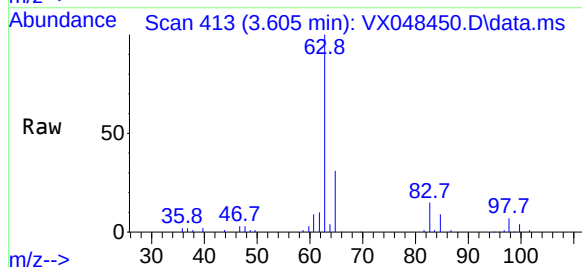
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

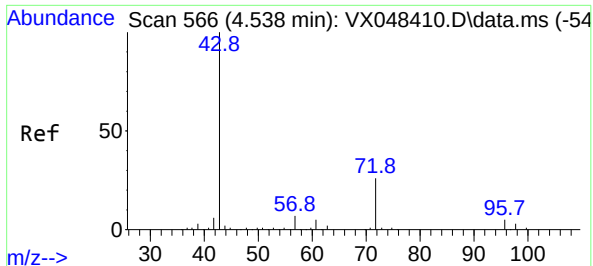


#24  
1,1-Dichloroethane  
Concen: 16.768 ug/l  
RT: 3.605 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Tgt Ion: 63 Resp: 64269  
Ion Ratio Lower Upper  
63 100  
98 7.3 3.5 10.6  
100 3.9 2.1 6.3







#25

2-Butanone

Concen: 98.337 ug/l

RT: 4.538 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 43 Resp: 8571

Ion Ratio Lower Upper

43 100

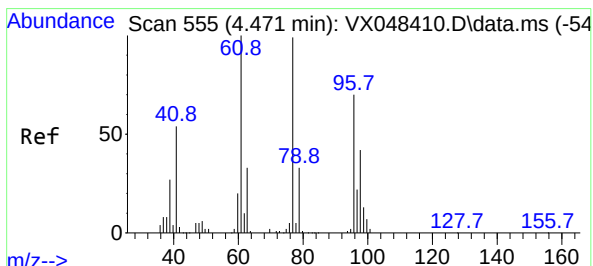
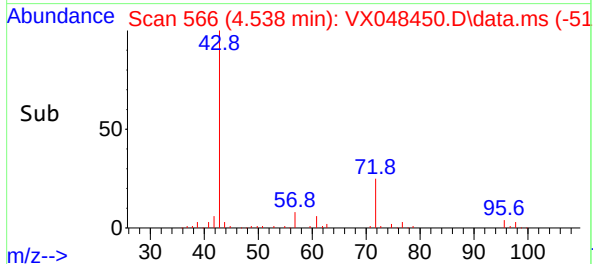
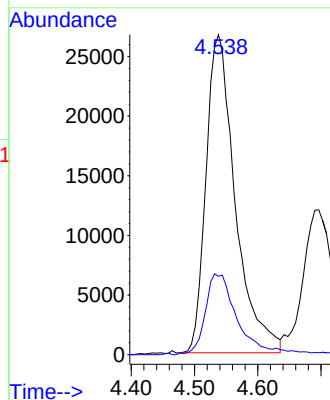
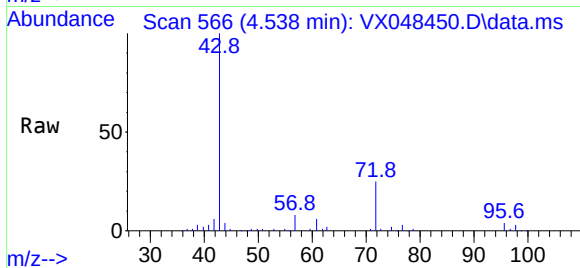
72 25.6 19.9 29.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#26

2,2-Dichloropropane

Concen: 17.559 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX048450.D

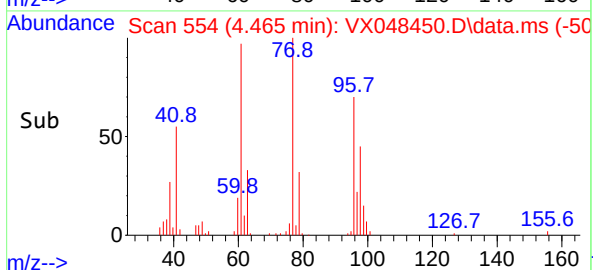
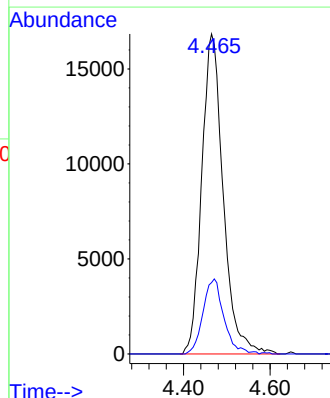
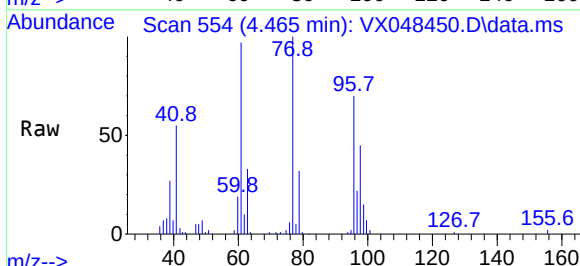
Acq: 03 Nov 2025 12:44

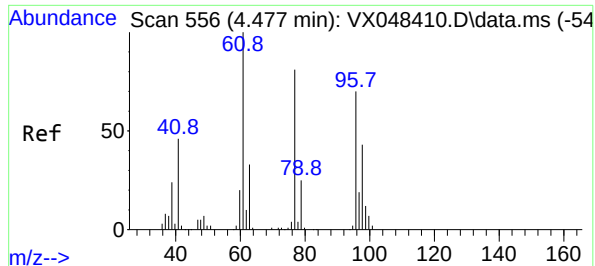
Tgt Ion: 77 Resp: 57945

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.280 ug/l

RT: 4.477 min Scan# 556

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 96 Resp: 47619

Ion Ratio Lower Upper

96 100

61 134.5 0.0 294.2

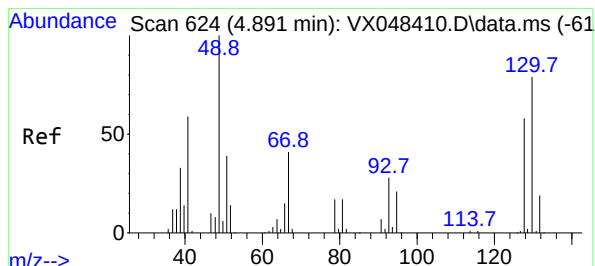
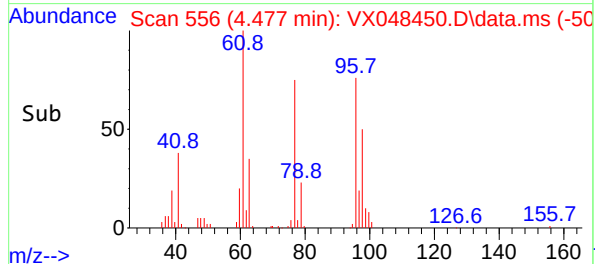
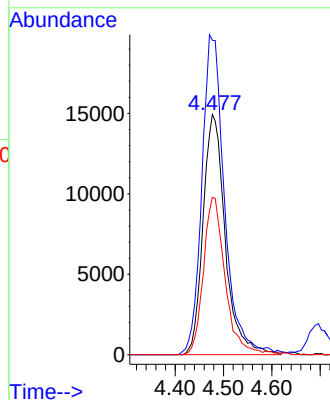
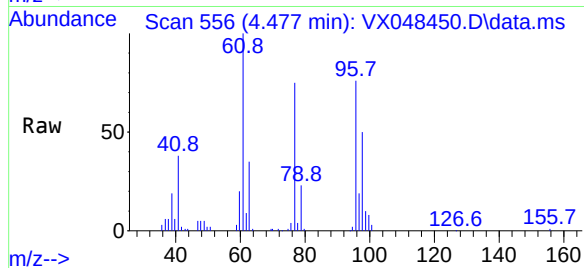
98 63.3 0.0 128.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#28

Bromochloromethane

Concen: 17.830 ug/l

RT: 4.879 min Scan# 622

Delta R.T. -0.012 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

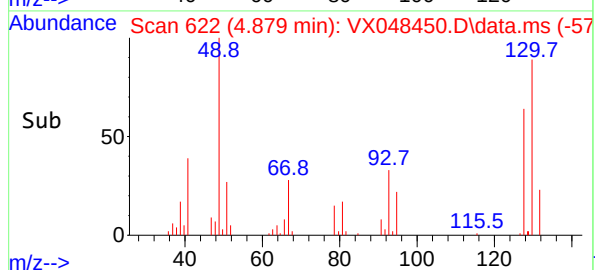
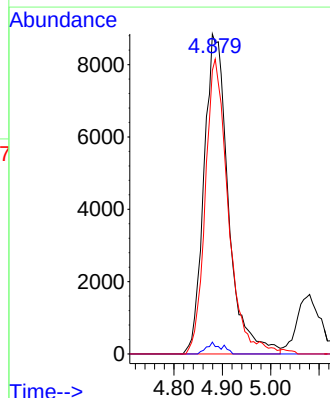
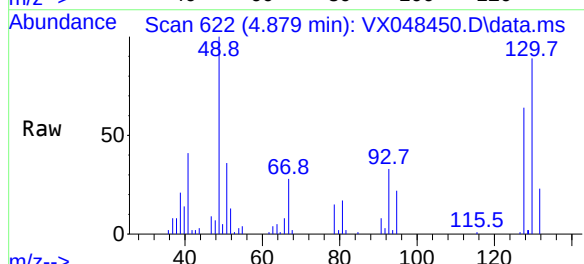
Tgt Ion: 49 Resp: 30971

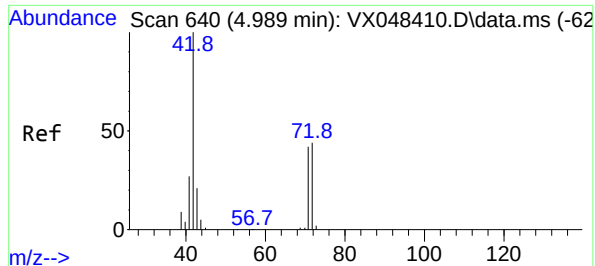
Ion Ratio Lower Upper

49 100

129 1.7 0.0 4.4

130 86.7 59.3 88.9





#29

Tetrahydrofuran

Concen: 94.436 ug/l

RT: 4.989 min Scan# 640

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

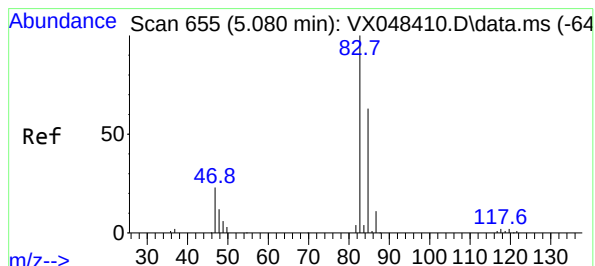
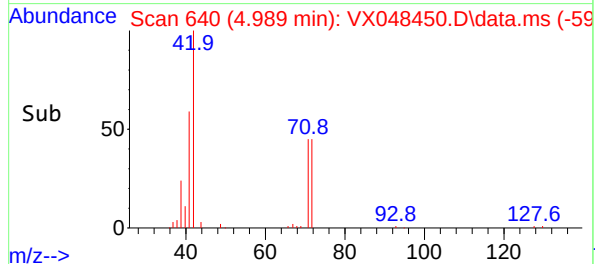
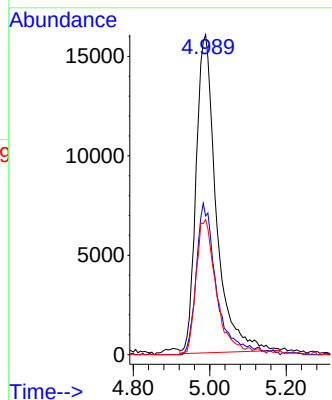
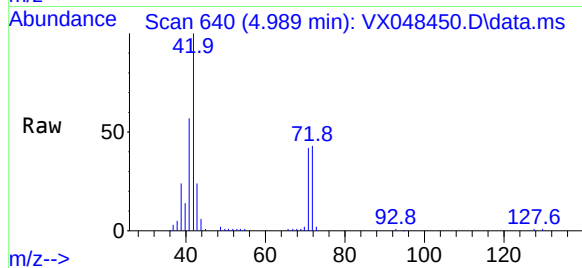
VX1103WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 58619 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 47.2  | 35.3  | 52.9  |
| 71        | 42.4  | 32.2  | 48.4  |

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#30

Chloroform

Concen: 19.143 ug/l

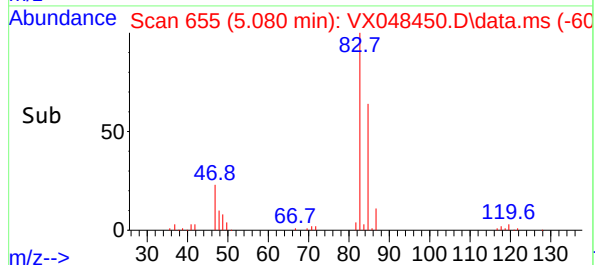
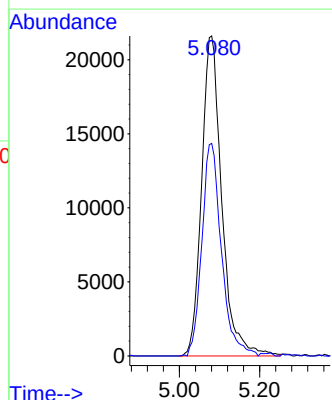
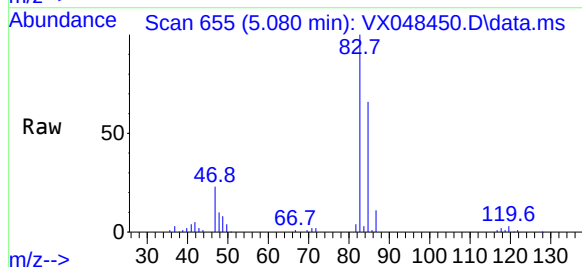
RT: 5.080 min Scan# 655

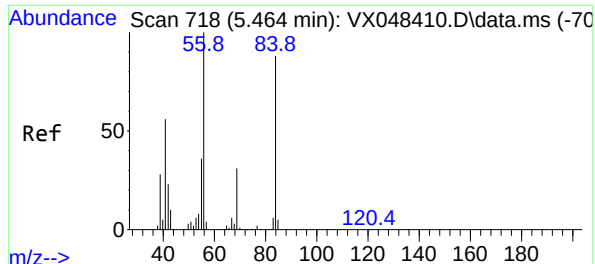
Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 75476 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 66.4  | 50.1  | 75.1  |





#31

Cyclohexane

Concen: 19.536 ug/l

RT: 5.458 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 56 Resp: 6499

Ion Ratio Lower Upper

56 100

69 32.2 23.0 34.6

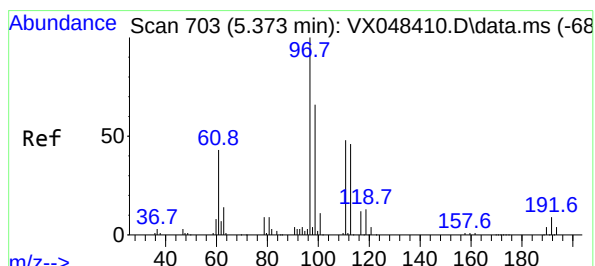
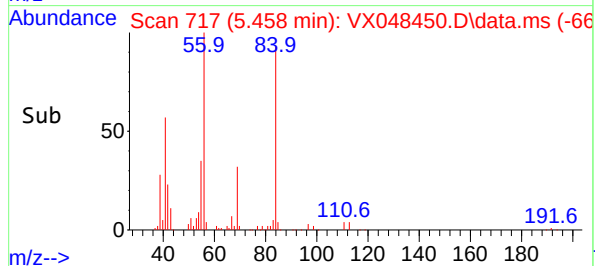
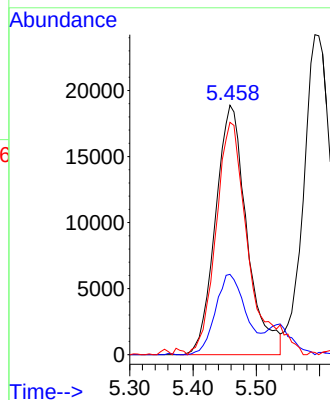
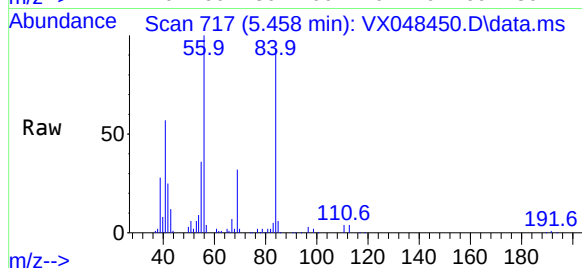
84 91.4 64.6 97.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#32

1,1,1-Trichloroethane

Concen: 19.092 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

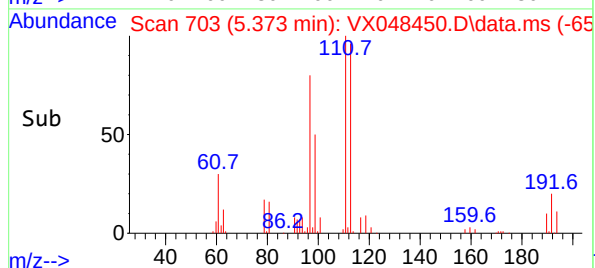
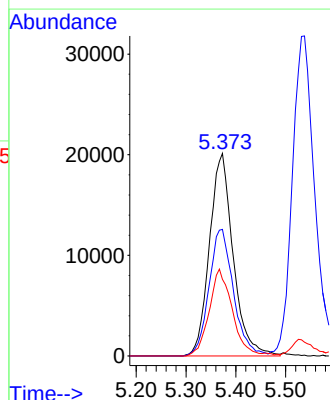
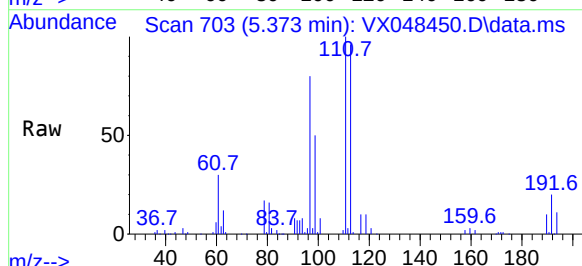
Tgt Ion: 97 Resp: 66453

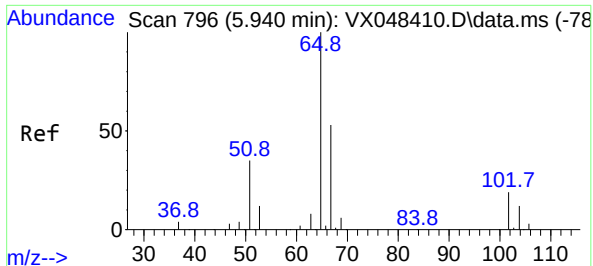
Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 41.5 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 49.168 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Tgt Ion: 65 Resp: 11836

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.0

Instrument :

MSVOA\_X

ClientSampleId :

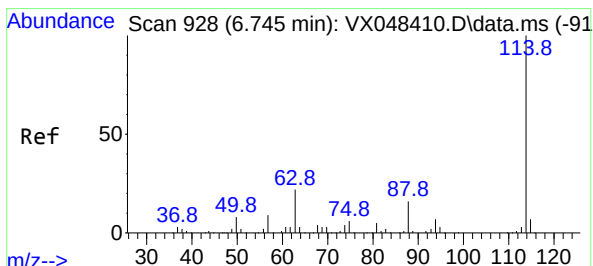
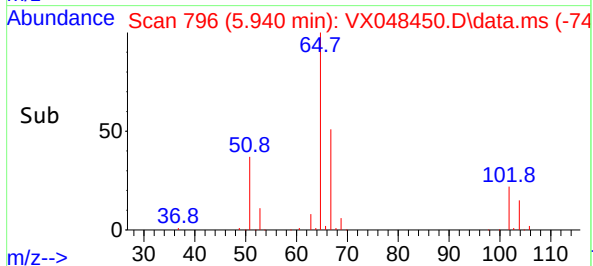
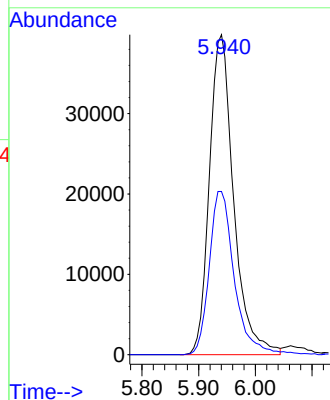
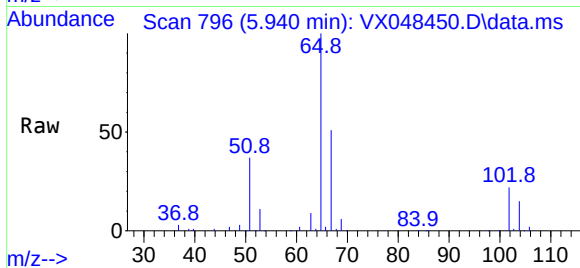
VX1103WBSD01

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

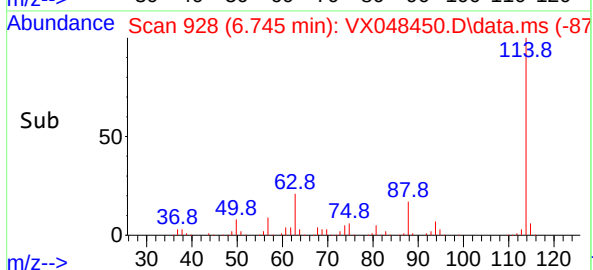
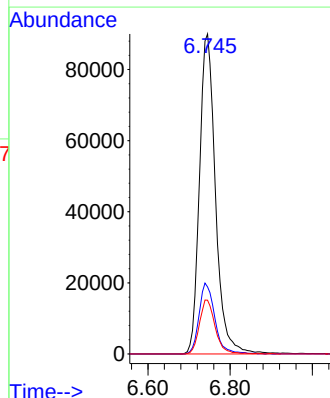
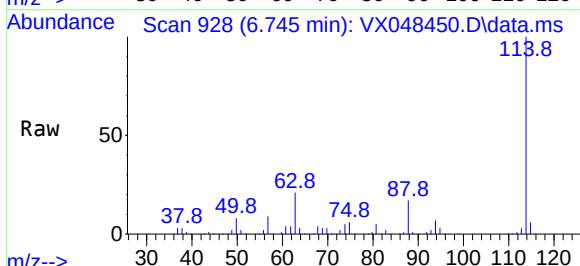
Tgt Ion:114 Resp: 243248

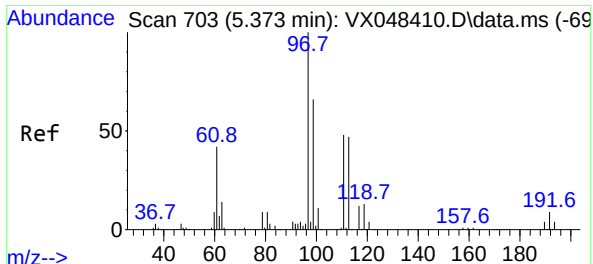
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 59.461 ug/l

RT: 5.367 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion:113 Resp: 8246

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

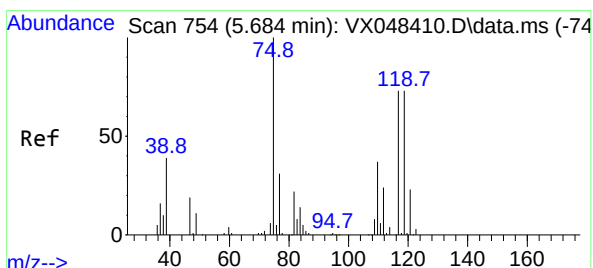
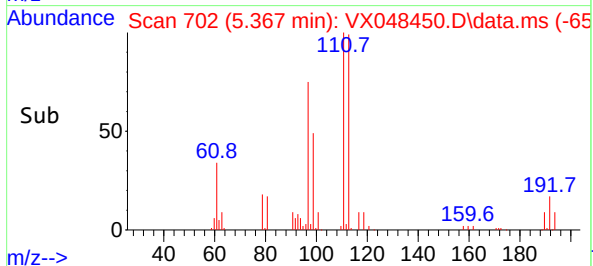
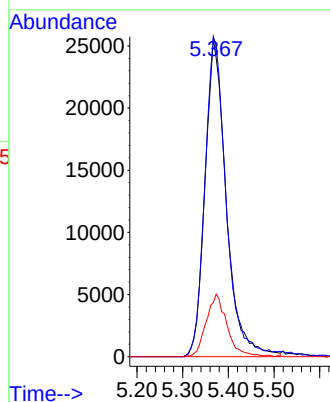
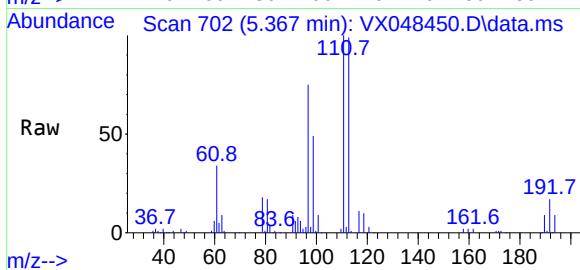
192 19.1 15.1 22.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#36

1,1-Dichloropropene

Concen: 22.073 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.006 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

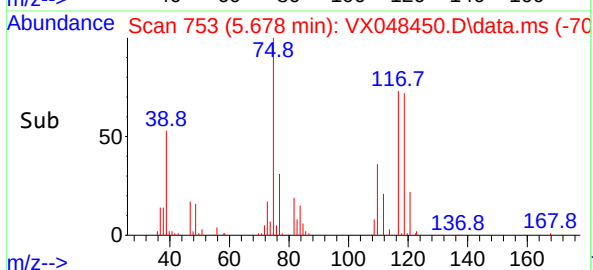
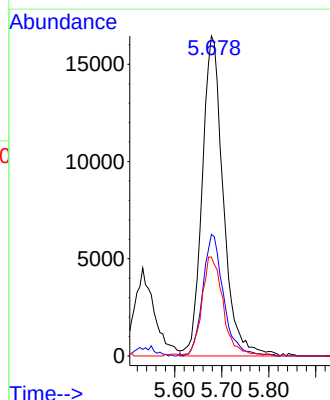
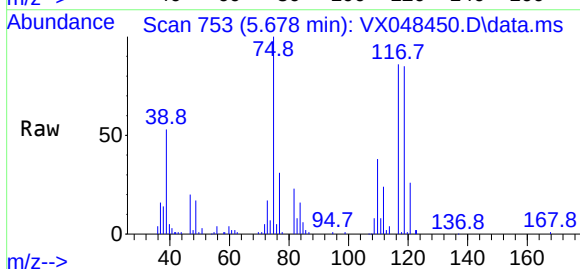
Tgt Ion: 75 Resp: 51407

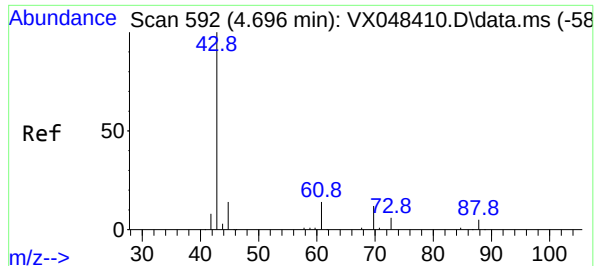
Ion Ratio Lower Upper

75 100

110 37.2 17.7 53.1

77 31.3 24.3 36.5





#37

Ethyl Acetate

Concen: 21.811 ug/l

RT: 4.696 min Scan# 592

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 43 Resp: 43278

Ion Ratio Lower Upper

43 100

61 14.9 10.6 15.8

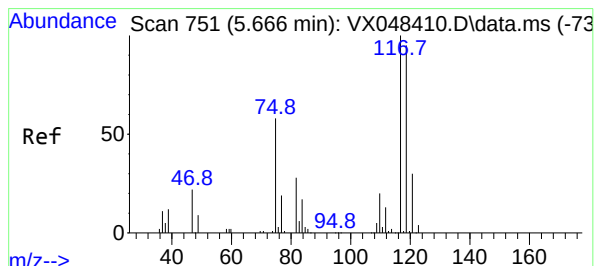
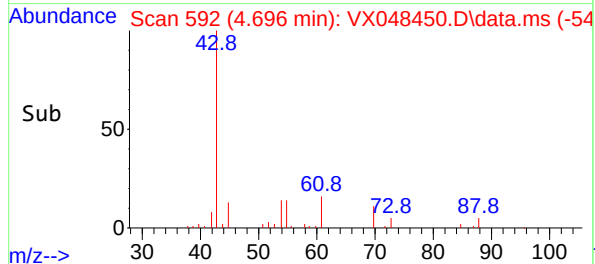
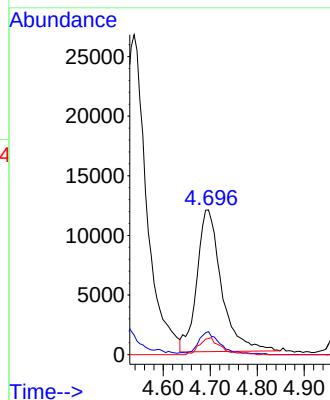
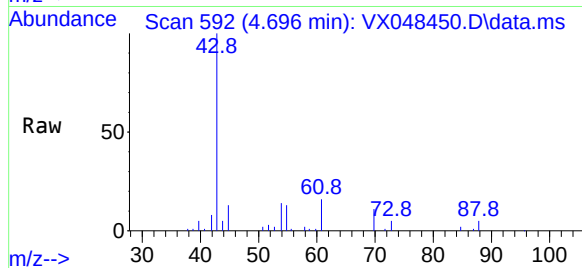
70 10.4 7.8 11.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#38

Carbon Tetrachloride

Concen: 21.613 ug/l

RT: 5.666 min Scan# 751

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

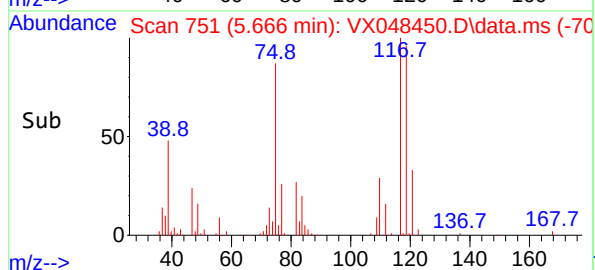
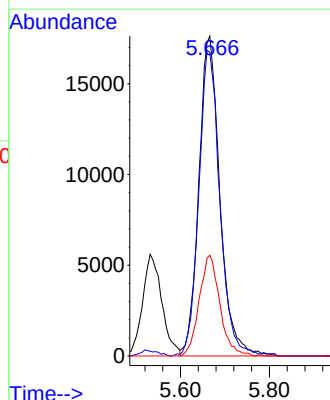
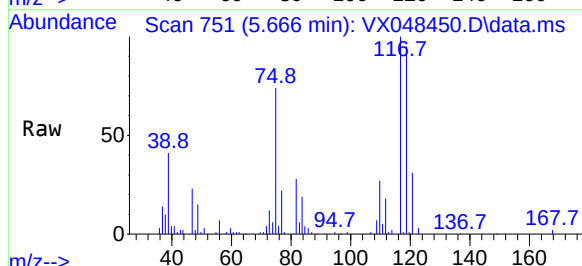
Tgt Ion:117 Resp: 58118

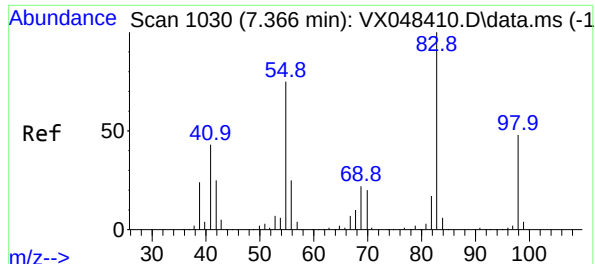
Ion Ratio Lower Upper

117 100

119 94.9 77.2 115.8

121 31.5 24.8 37.2





#39

Methylcyclohexane

Concen: 19.285 ug/l

RT: 7.367 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

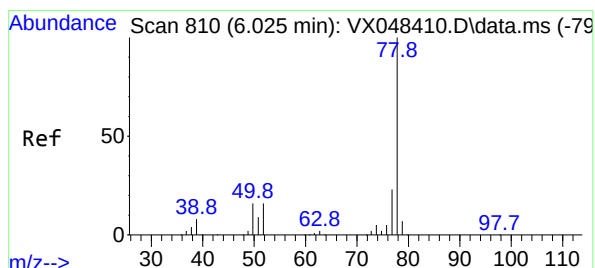
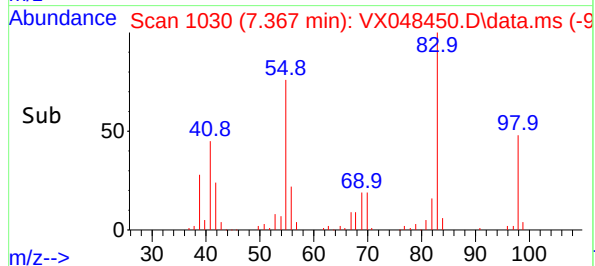
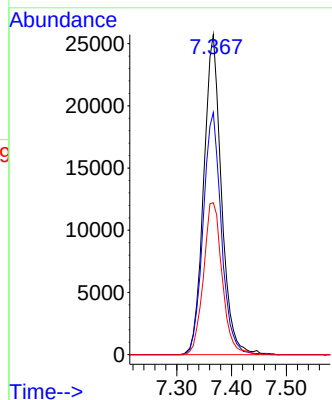
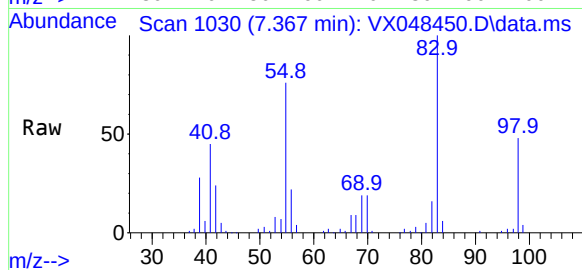
Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 5775  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 75.6  | 66.2  | 99.2  |
| 98       | 47.5  | 38.9  | 58.3  |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

#40

Benzene

Concen: 22.755 ug/l

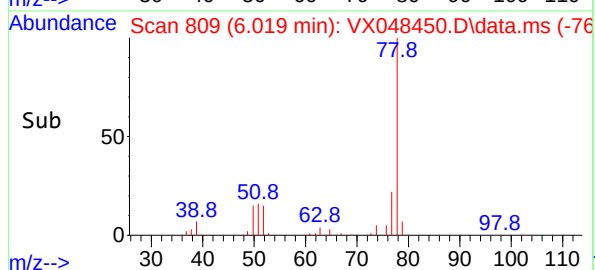
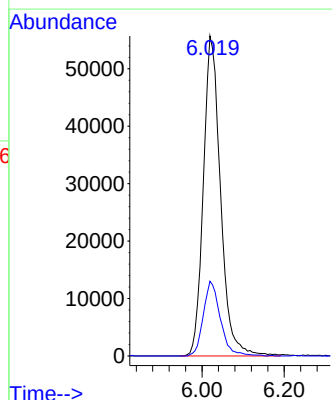
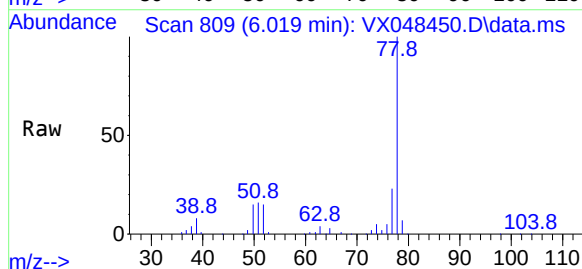
RT: 6.019 min Scan# 809

Delta R.T. -0.006 min

Lab File: VX048450.D

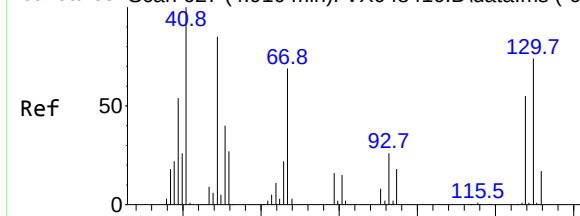
Acq: 03 Nov 2025 12:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 161903 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 23.4  | 19.3  | 28.9   |



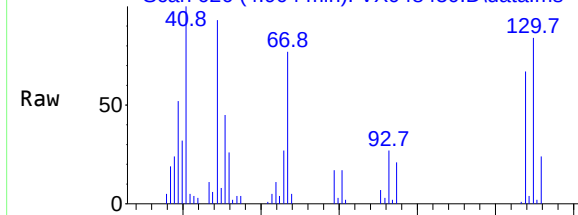


Abundance Scan 627 (4.910 min): VX048410.D\data.ms (-61



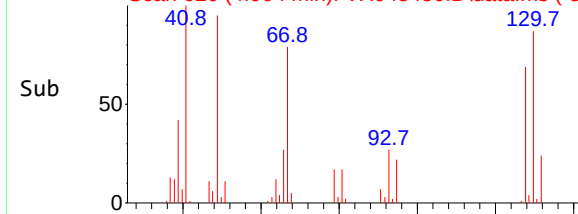
m/z--&gt;

Abundance Scan 626 (4.904 min): VX048450.D\data.ms



m/z--&gt;

Abundance Scan 626 (4.904 min): VX048450.D\data.ms (-57



m/z--&gt;

#41

Methacrylonitrile

Concen: 21.618 ug/l

RT: 4.904 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Tgt Ion: 41 Resp: 21600

Ion Ratio Lower Upper

41 100

39 55.4 44.0 66.0

67 80.3 58.7 88.1

52 33.9 25.9 38.9

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

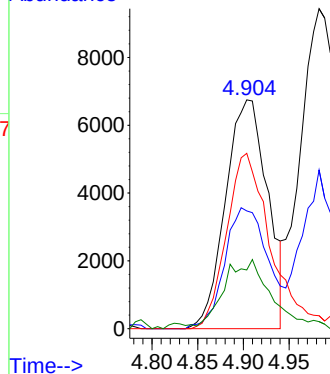
Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

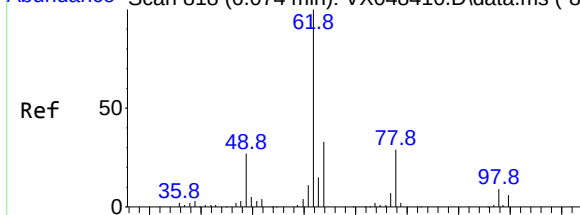
Supervised By :mohammad ahmed 11/04/2025

Abundance



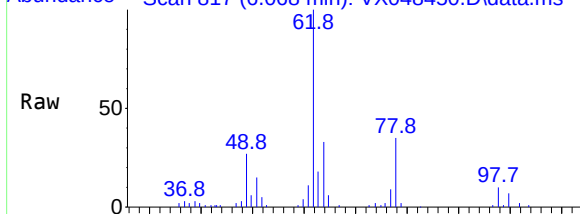
Time--&gt;

Abundance Scan 818 (6.074 min): VX048410.D\data.ms (-80



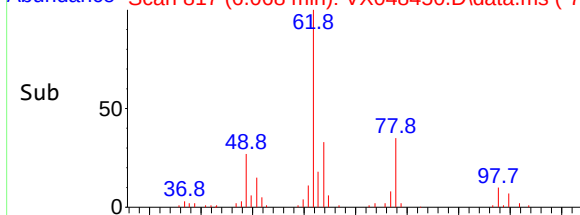
m/z--&gt;

Abundance Scan 817 (6.068 min): VX048450.D\data.ms



m/z--&gt;

Abundance Scan 817 (6.068 min): VX048450.D\data.ms (-76



m/z--&gt;

#42

1,2-Dichloroethane

Concen: 21.088 ug/l

RT: 6.068 min Scan# 817

Delta R.T. -0.006 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

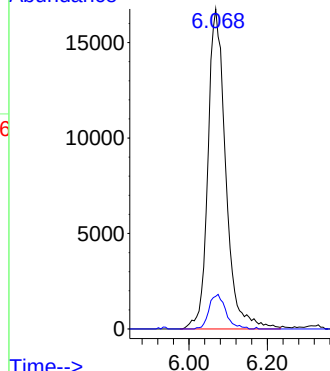
Tgt Ion: 62 Resp: 52847

Ion Ratio Lower Upper

62 100

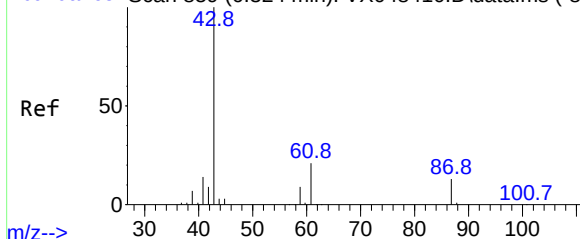
98 10.2 0.0 17.2

Abundance



Time--&gt;

Abundance Scan 859 (6.324 min): VX048410.D\data.ms (-84



#43

Isopropyl Acetate

Concen: 21.870 ug/l

RT: 6.318 min Scan# 859

Delta R.T. -0.006 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

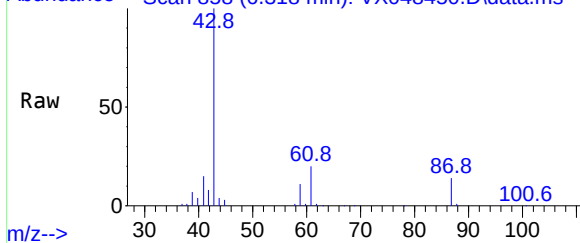
Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Abundance Scan 858 (6.318 min): VX048450.D\data.ms

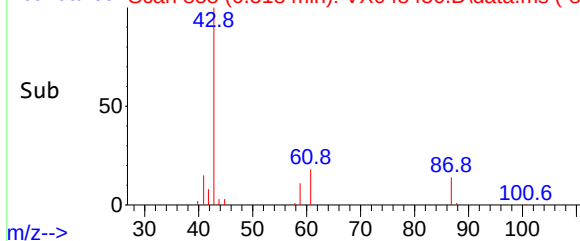


Tgt Ion: 43 Resp: 71645  
Ion Ratio Lower Upper  
43 100  
61 20.8 14.9 22.3  
87 14.2 9.4 14.2

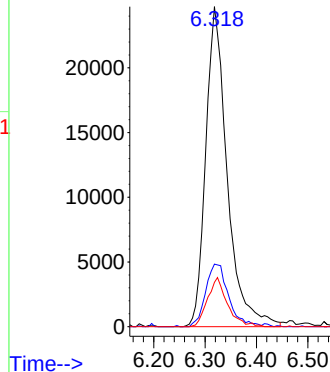
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

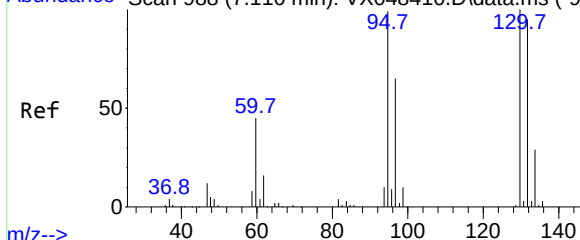
Abundance Scan 858 (6.318 min): VX048450.D\data.ms (-81



Abundance



Abundance Scan 988 (7.110 min): VX048410.D\data.ms (-97



#44

Trichloroethene

Concen: 19.125 ug/l

RT: 7.111 min Scan# 988

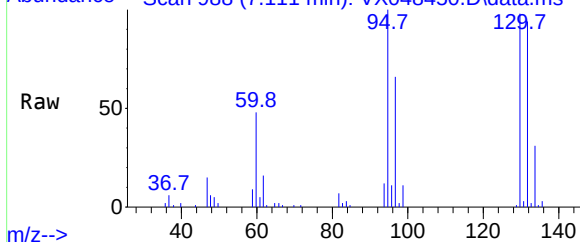
Delta R.T. 0.000 min

Lab File: VX048450.D

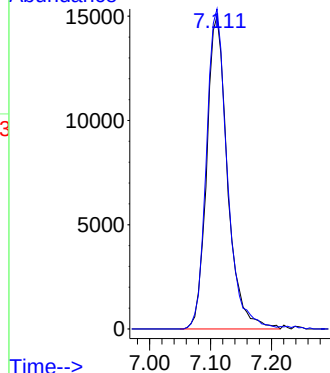
Acq: 03 Nov 2025 12:44

Tgt Ion:130 Resp: 35651  
Ion Ratio Lower Upper  
130 100  
95 102.4 0.0 200.6

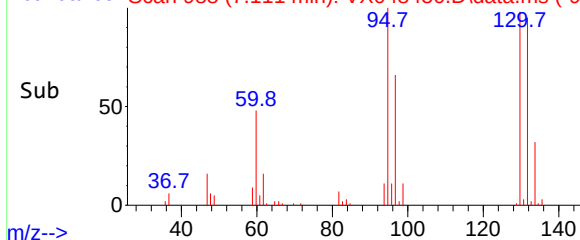
Abundance Scan 988 (7.111 min): VX048450.D\data.ms

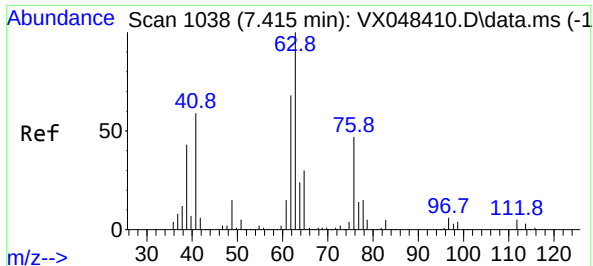


Abundance



Abundance Scan 988 (7.111 min): VX048450.D\data.ms (-93





#45

1,2-Dichloropropane

Concen: 19.455 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 63 Resp: 34570

Ion Ratio Lower Upper

63 100

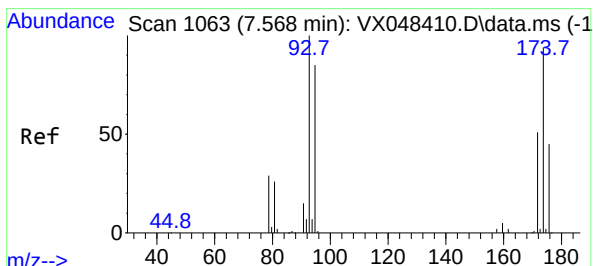
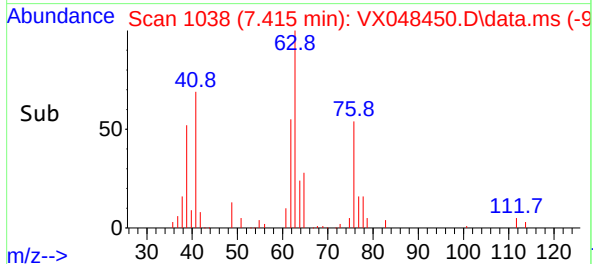
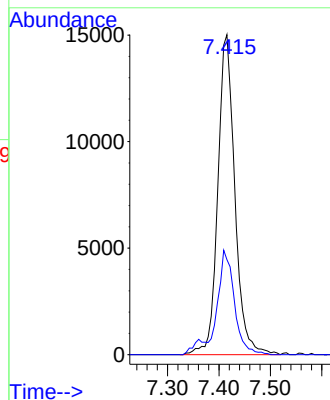
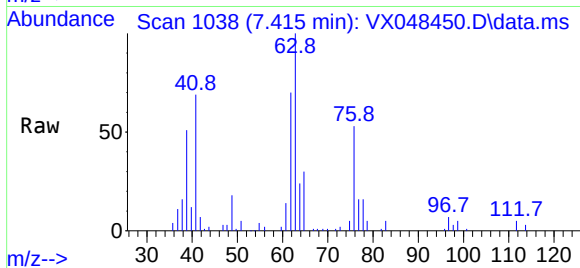
65 29.7 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#46

Dibromomethane

Concen: 20.954 ug/l

RT: 7.562 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

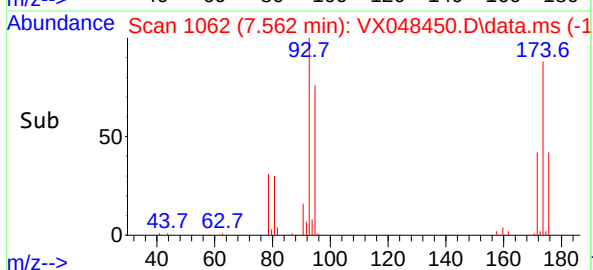
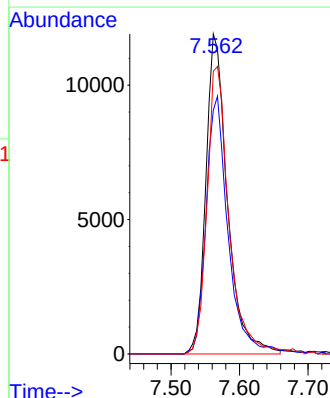
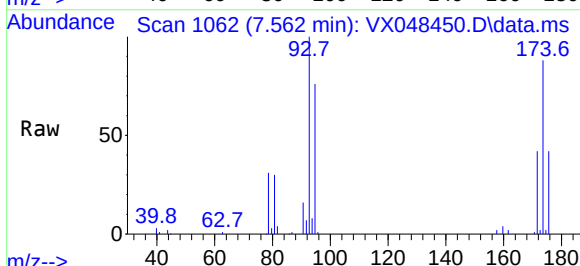
Tgt Ion: 93 Resp: 26065

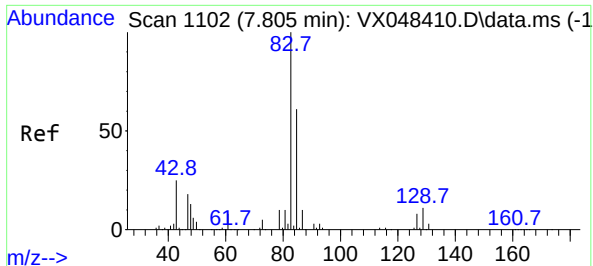
Ion Ratio Lower Upper

93 100

95 82.6 65.9 98.9

174 92.2 71.7 107.5





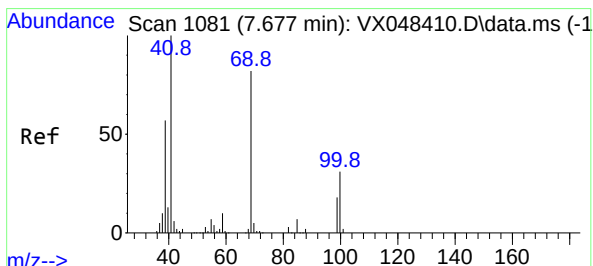
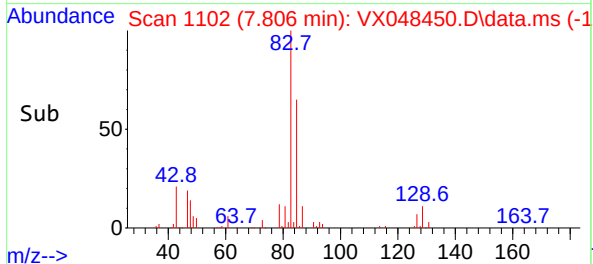
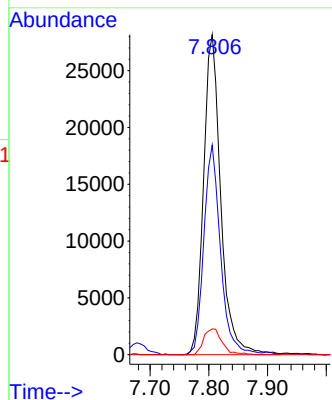
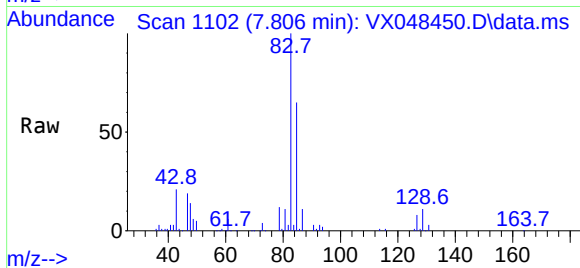
#47  
Bromodichloromethane  
Concen: 21.665 ug/l  
RT: 7.806 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01

Tgt Ion: 83 Resp: 5725  
Ion Ratio Lower Upper  
83 100  
85 65.5 52.2 78.4  
127 8.1 7.3 10.9

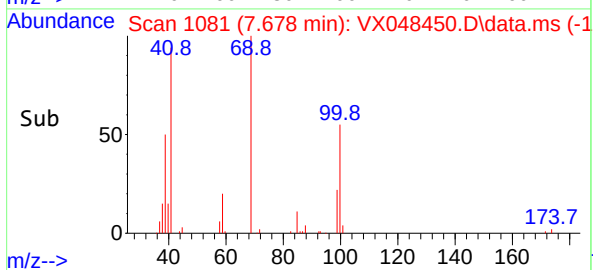
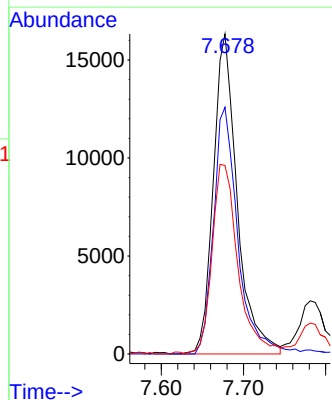
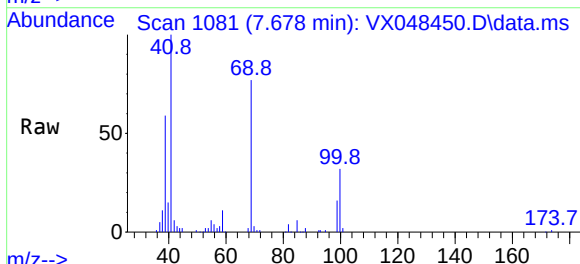
Manual Integrations  
APPROVED

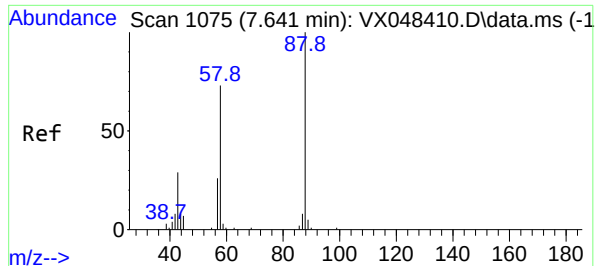
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#48  
Methyl methacrylate  
Concen: 20.641 ug/l  
RT: 7.678 min Scan# 1081  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Tgt Ion: 41 Resp: 32975  
Ion Ratio Lower Upper  
41 100  
69 78.6 63.4 95.0  
39 64.0 47.1 70.7





#49

1,4-Dioxane

Concen: 398.005 ug/l

RT: 7.641 min Scan# 1075

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 88 Resp: 722

Ion Ratio Lower Upper

88 100

43 48.8 35.0 52.4

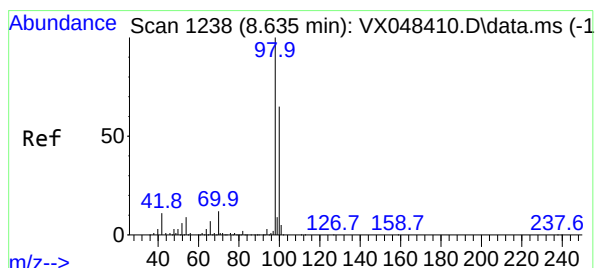
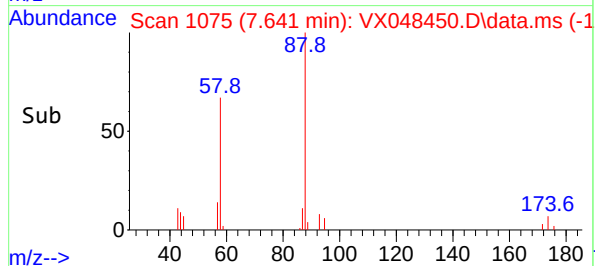
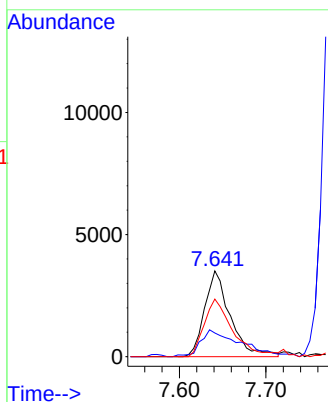
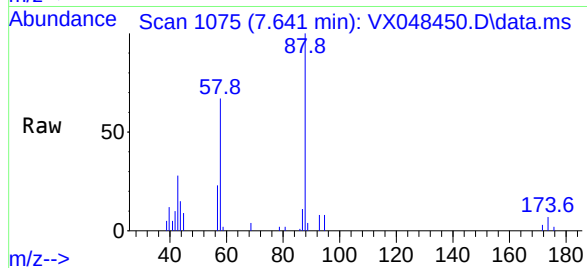
58 73.6 61.9 92.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#50

Toluene-d8

Concen: 50.663 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VX048450.D

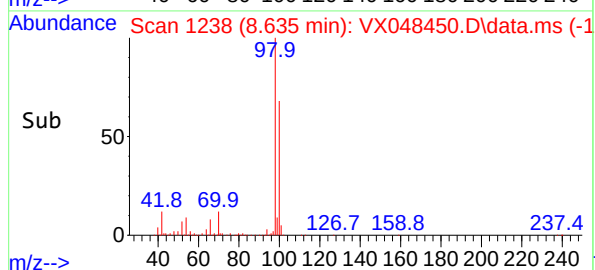
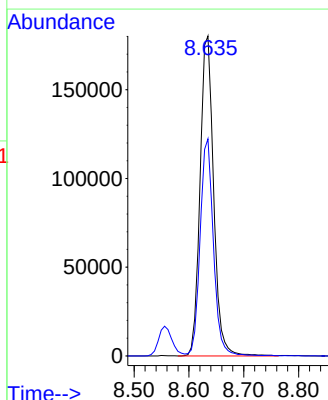
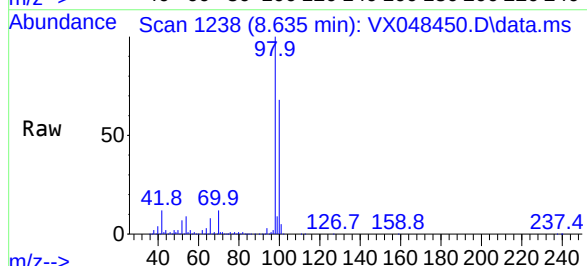
Acq: 03 Nov 2025 12:44

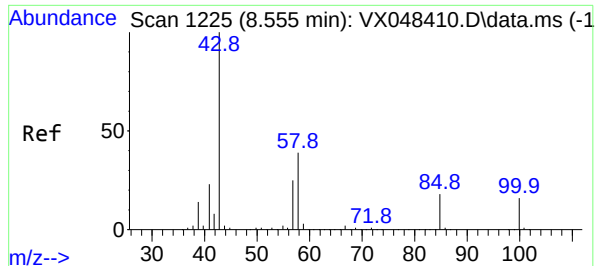
Tgt Ion: 98 Resp: 310153

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.4





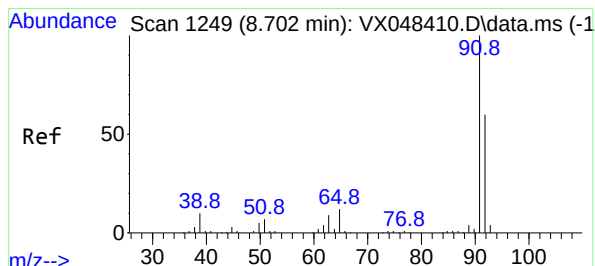
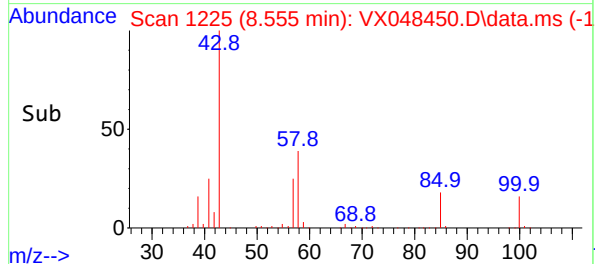
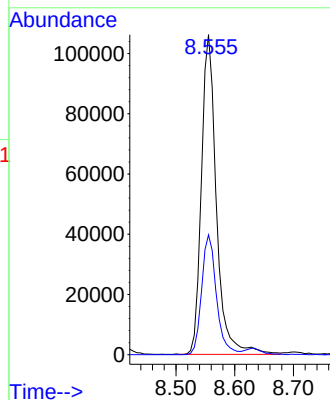
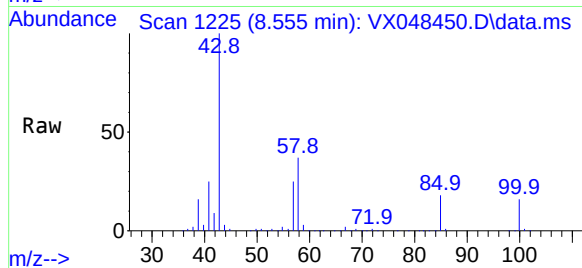
#51  
4-Methyl-2-Pentanone  
Concen: 103.625 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01

Tgt Ion: 43 Resp: 188925  
Ion Ratio Lower Upper  
43 100  
58 36.9 29.5 44.3

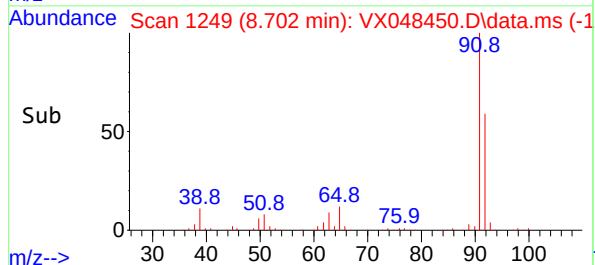
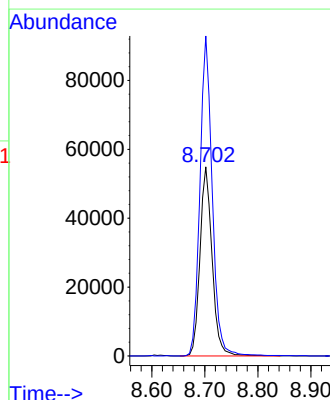
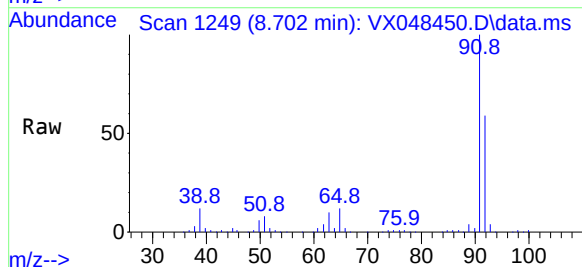
Manual Integrations  
APPROVED

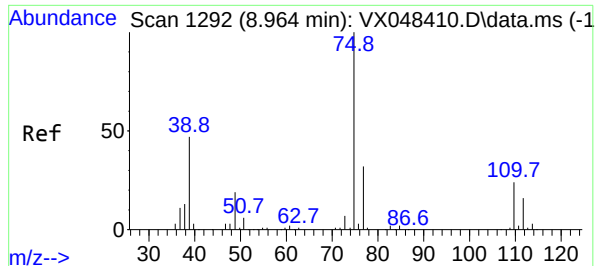
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#52  
Toluene  
Concen: 19.680 ug/l  
RT: 8.702 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Tgt Ion: 92 Resp: 87495  
Ion Ratio Lower Upper  
92 100  
91 170.8 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 21.717 ug/l

RT: 8.964 min Scan# 1191

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 75 Resp: 52024

Ion Ratio Lower Upper

75 100

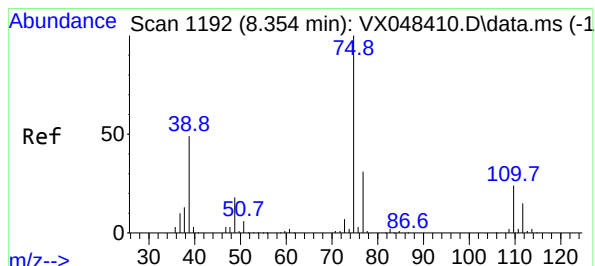
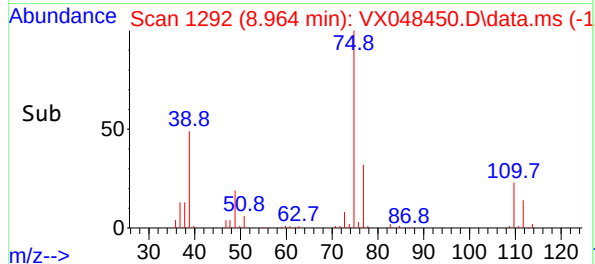
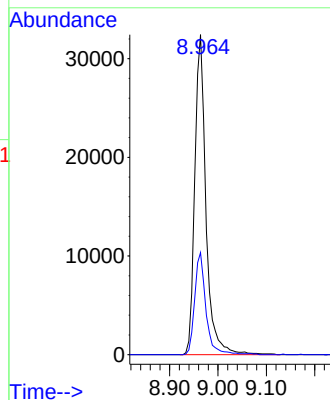
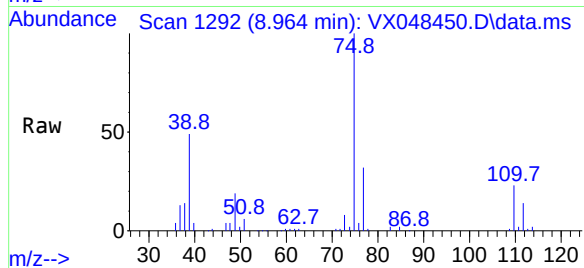
77 31.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#54

cis-1,3-Dichloropropene

Concen: 20.981 ug/l

RT: 8.348 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

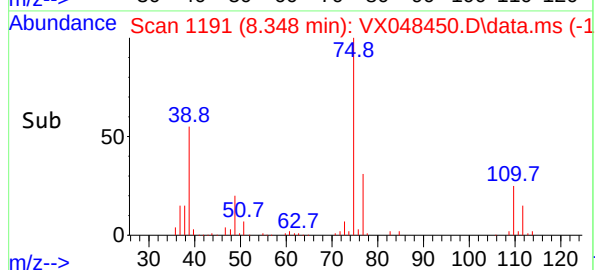
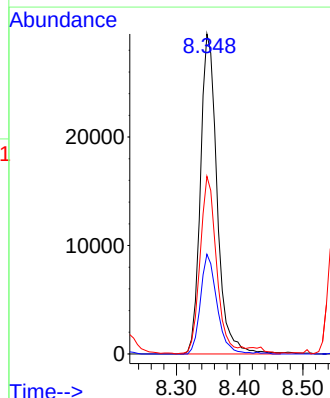
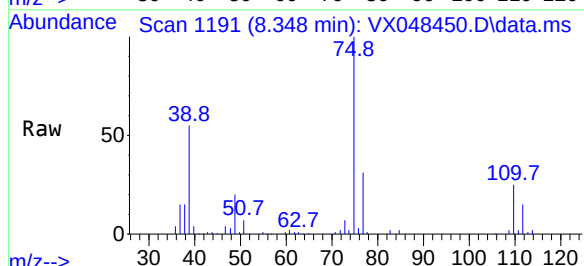
Tgt Ion: 75 Resp: 54151

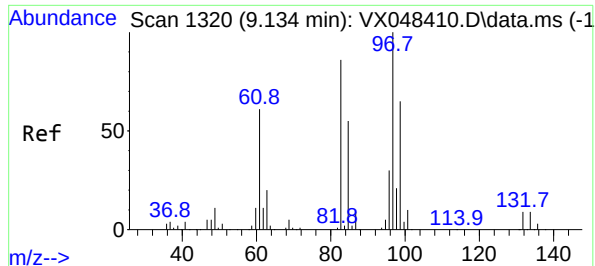
Ion Ratio Lower Upper

75 100

77 31.2 24.9 37.3

39 54.3 42.6 64.0





#55

1,1,2-Trichloroethane

Concen: 20.398 ug/l

RT: 9.135 min Scan# 1320

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Tgt Ion: 97 Resp: 32818

Ion Ratio Lower Upper

97 100

83 84.9 70.6 105.8

85 56.8 45.0 67.6

99 62.6 50.9 76.3

Instrument :

MSVOA\_X

ClientSampleId :

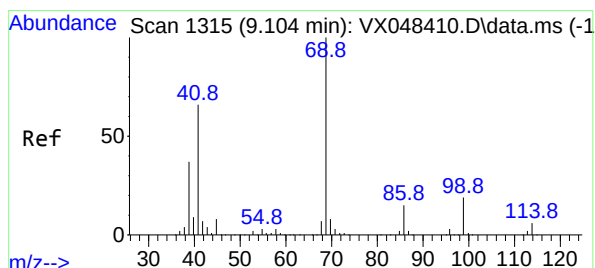
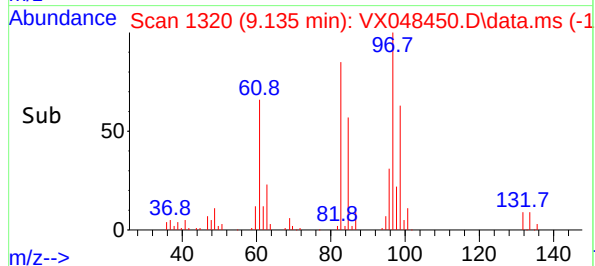
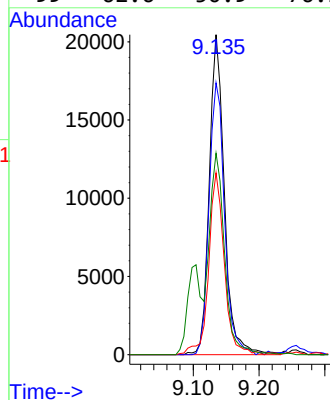
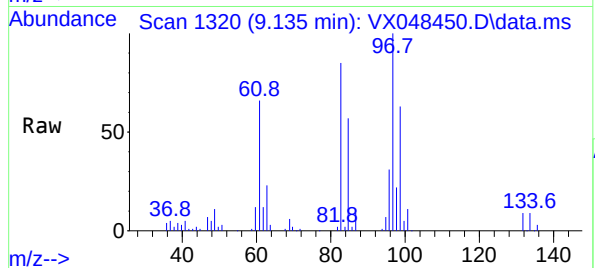
VX1103WBSD01

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#56

Ethyl methacrylate

Concen: 19.670 ug/l

RT: 9.098 min Scan# 1314

Delta R.T. -0.006 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

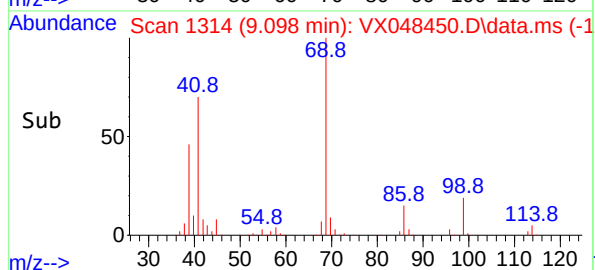
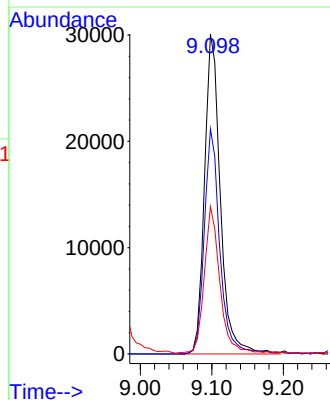
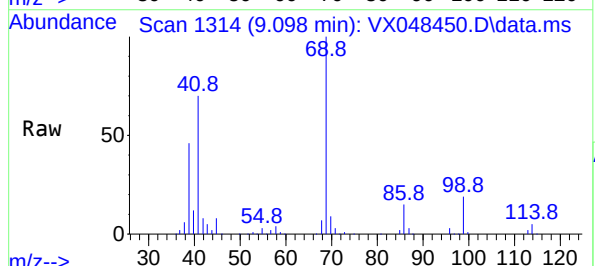
Tgt Ion: 69 Resp: 46338

Ion Ratio Lower Upper

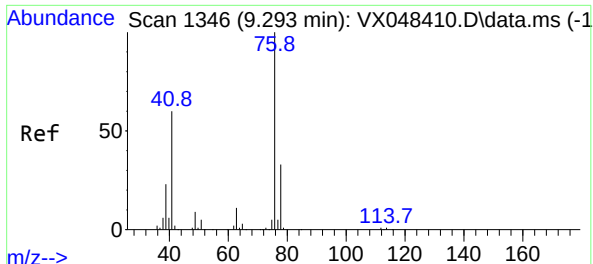
69 100

41 69.0 56.0 84.0

39 45.3 31.6 47.4







#57

1,3-Dichloropropane

Concen: 20.518 ug/l

RT: 9.293 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 76 Resp: 57230

Ion Ratio Lower Upper

76 100

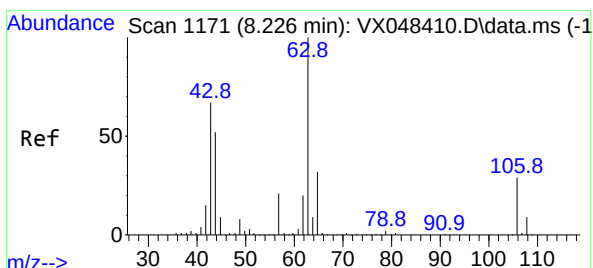
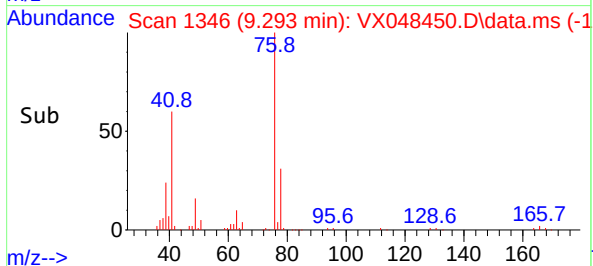
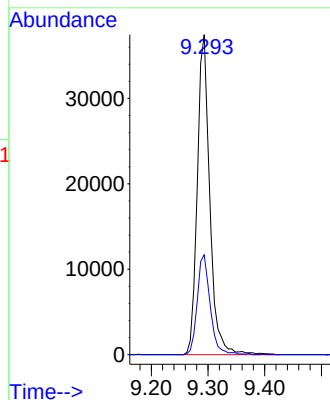
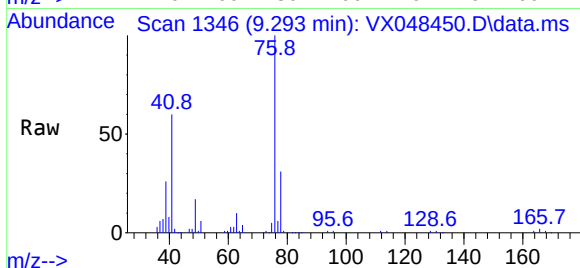
78 32.4 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#58

2-Chloroethyl Vinyl ether

Concen: 99.496 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX048450.D

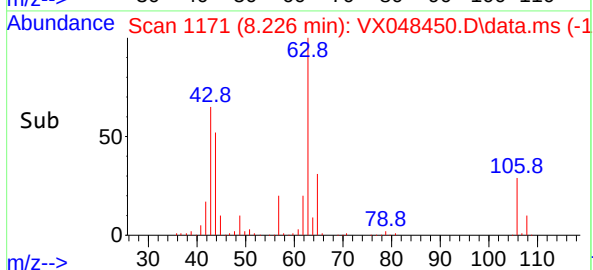
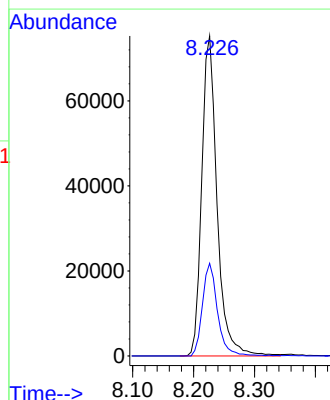
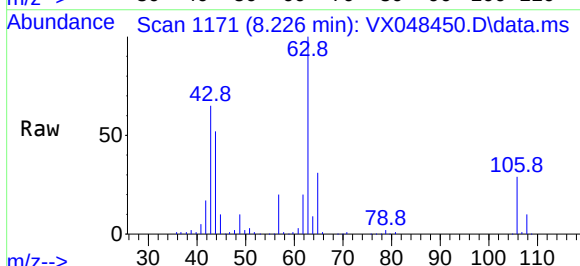
Acq: 03 Nov 2025 12:44

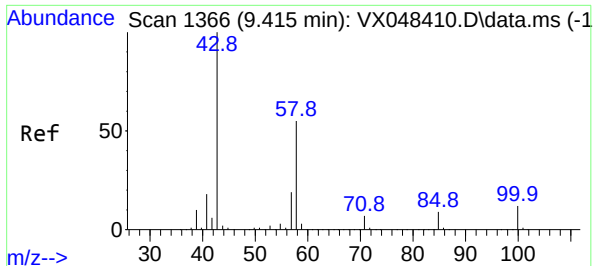
Tgt Ion: 63 Resp: 131453

Ion Ratio Lower Upper

63 100

106 28.5 22.2 33.2





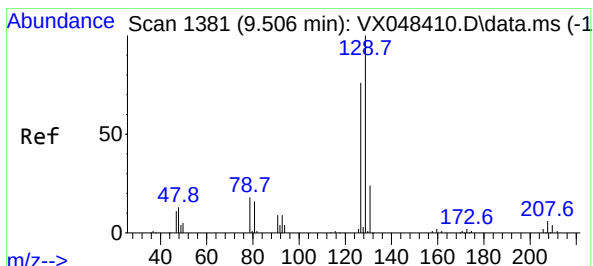
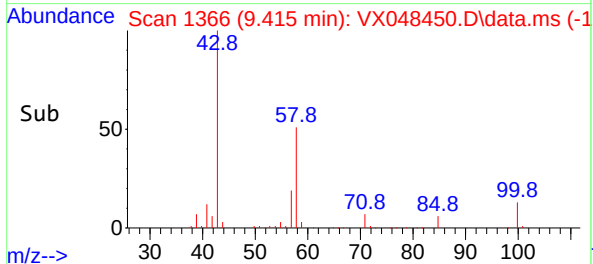
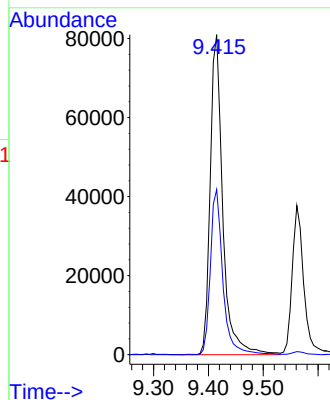
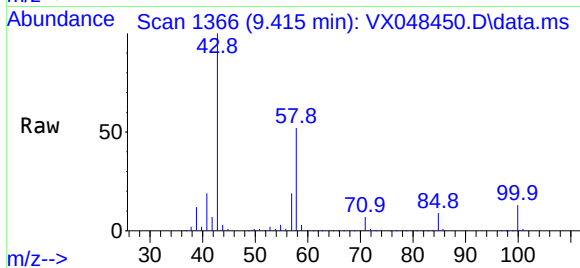
#59  
2-Hexanone  
Concen: 108.062 ug/l  
RT: 9.415 min Scan# 1366  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01

Tgt Ion: 43 Resp: 12819  
Ion Ratio Lower Upper  
43 100  
58 51.4 26.3 78.8

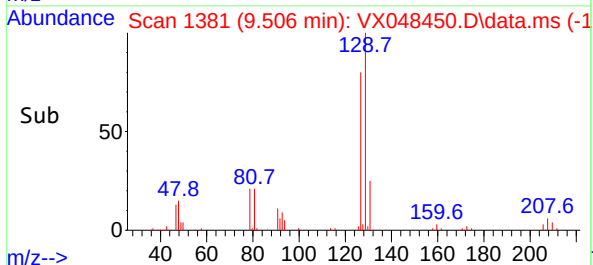
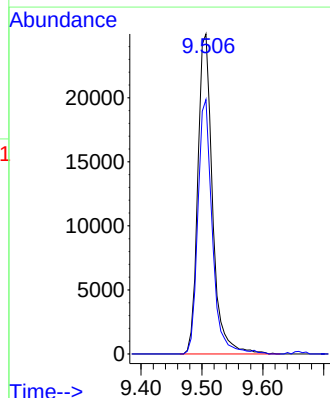
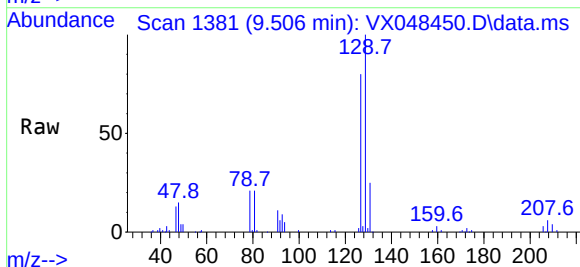
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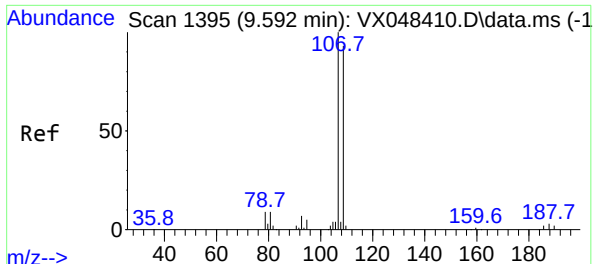
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#60  
Dibromochloromethane  
Concen: 21.033 ug/l  
RT: 9.506 min Scan# 1381  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Tgt Ion:129 Resp: 41852  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.6 115.7





#61

1,2-Dibromoethane

Concen: 20.762 ug/l

RT: 9.592 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion:107 Resp: 3455

Ion Ratio Lower Upper

107 100

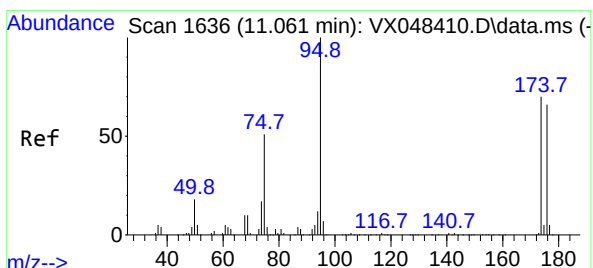
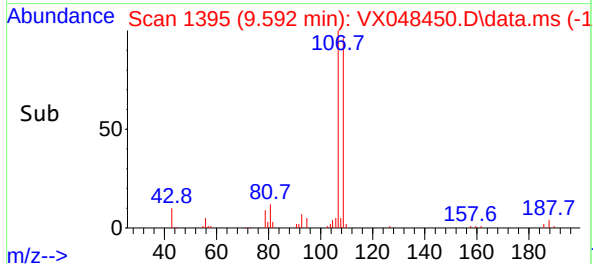
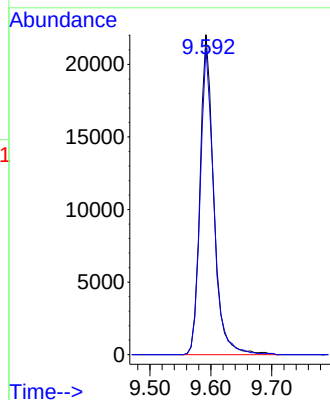
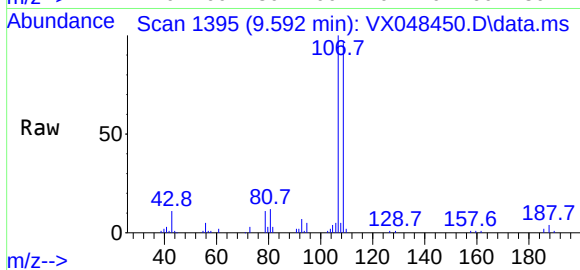
109 95.3 77.0 115.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#62

4-Bromofluorobenzene

Concen: 50.546 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

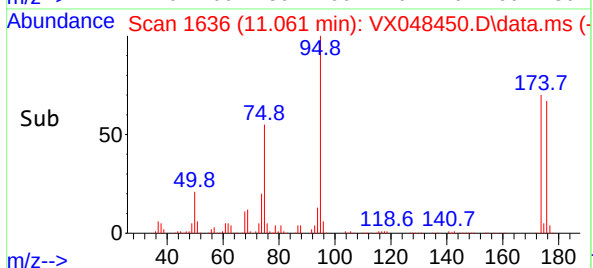
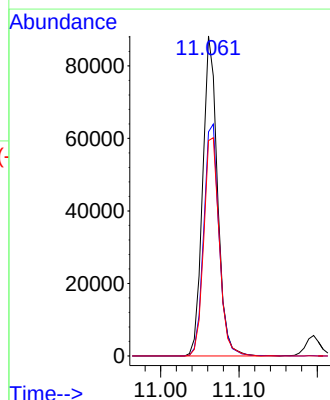
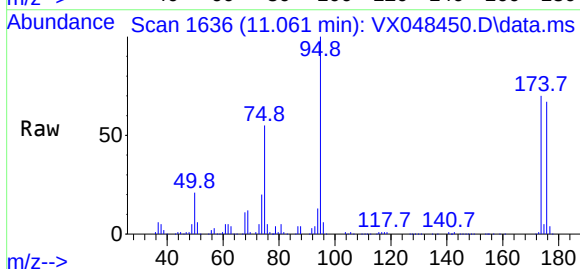
Tgt Ion: 95 Resp: 115754

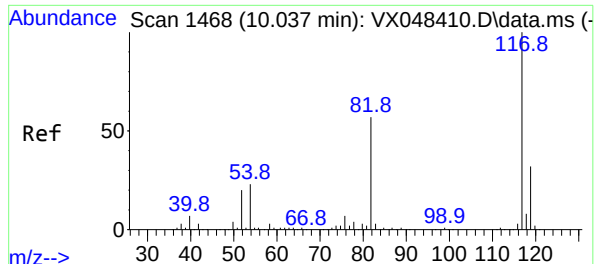
Ion Ratio Lower Upper

95 100

174 74.9 0.0 147.8

176 71.4 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion:117 Resp: 21389

Ion Ratio Lower Upper

117 100

82 56.4 46.5 69.7

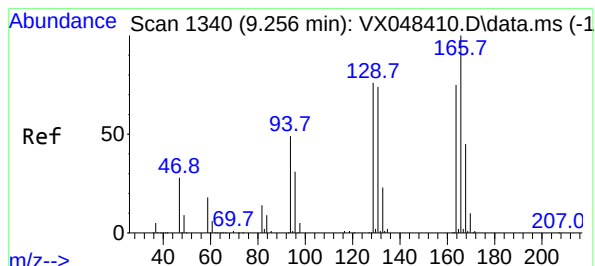
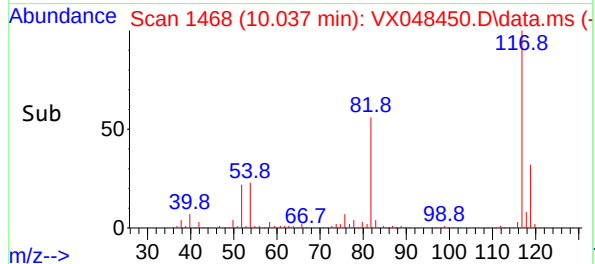
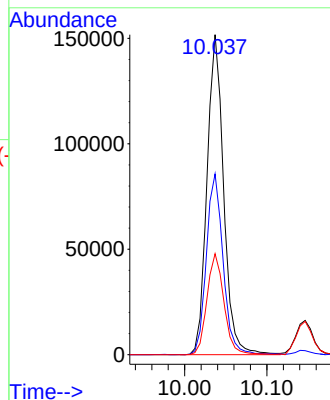
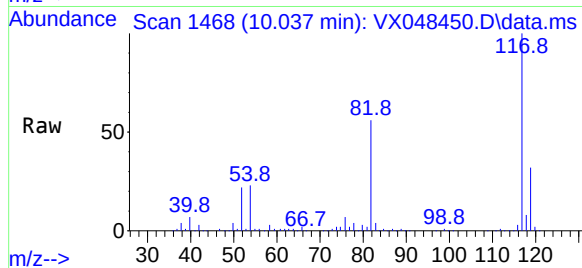
119 31.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#64

Tetrachloroethene

Concen: 19.852 ug/l

RT: 9.257 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Tgt Ion:164 Resp: 34197

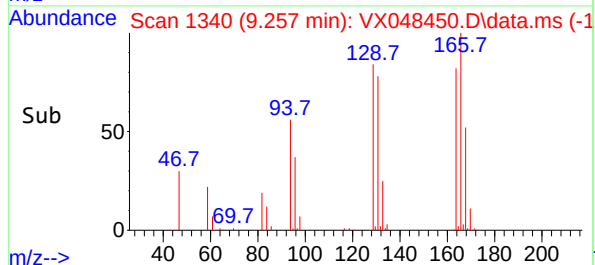
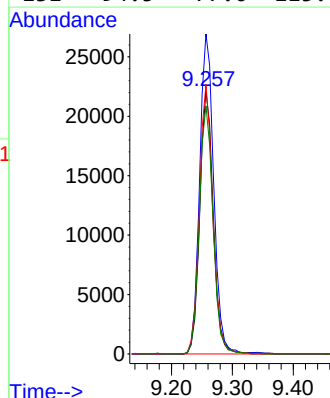
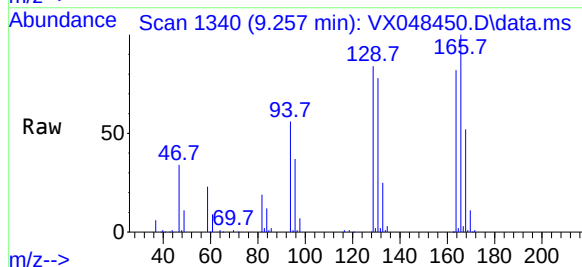
Ion Ratio Lower Upper

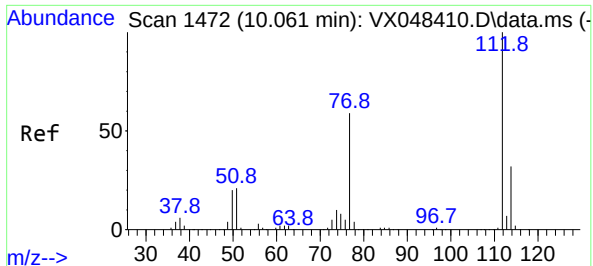
164 100

166 121.8 104.5 156.7

129 102.6 81.8 122.6

131 94.5 77.0 115.6





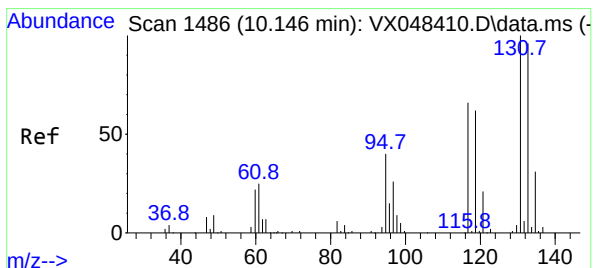
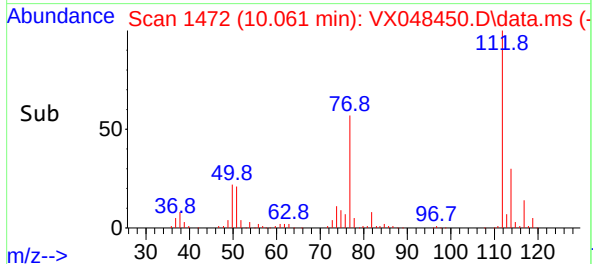
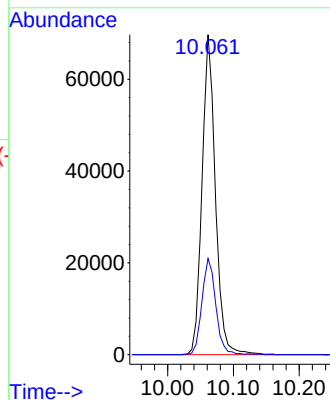
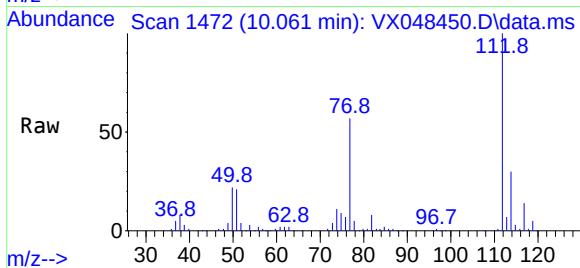
#65  
Chlorobenzene  
Concen: 19.980 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01

Tgt Ion:112 Resp: 9845  
Ion Ratio Lower Upper  
112 100  
114 30.1 26.2 39.2

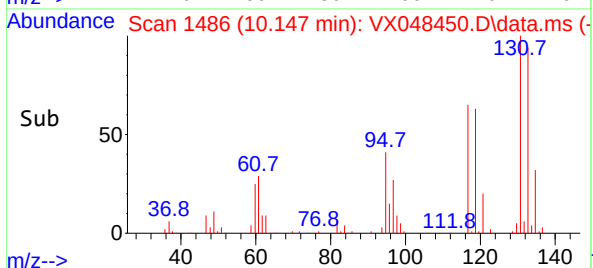
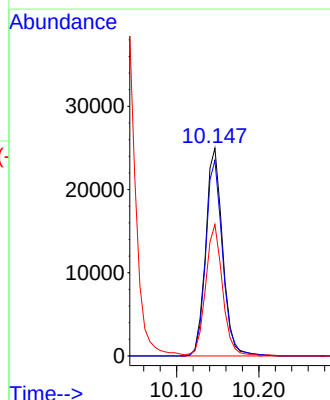
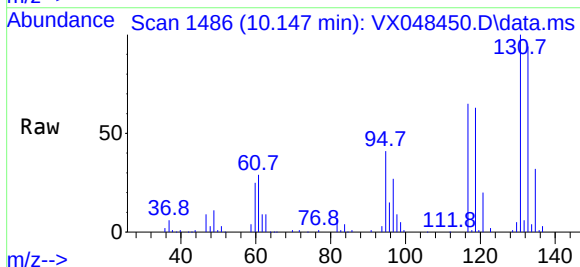
Manual Integrations  
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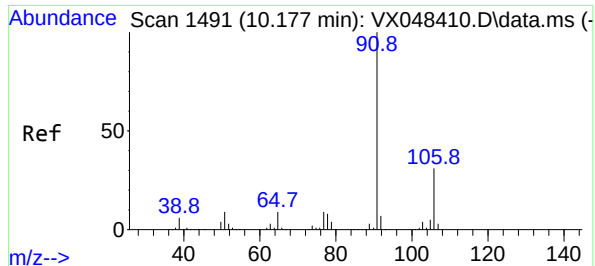
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.348 ug/l  
RT: 10.147 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Tgt Ion:131 Resp: 35783  
Ion Ratio Lower Upper  
131 100  
133 93.8 47.6 142.8  
119 63.1 32.5 97.5





#67

Ethyl Benzene

Concen: 20.257 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 91 Resp: 168078

Ion Ratio Lower Upper

91 100

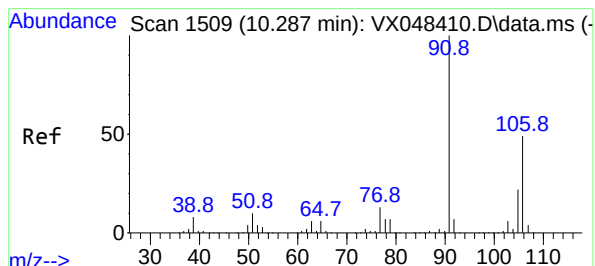
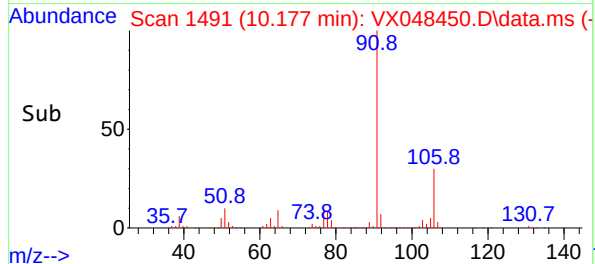
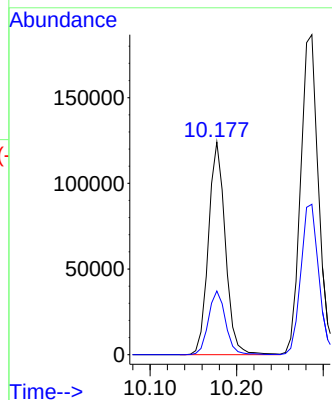
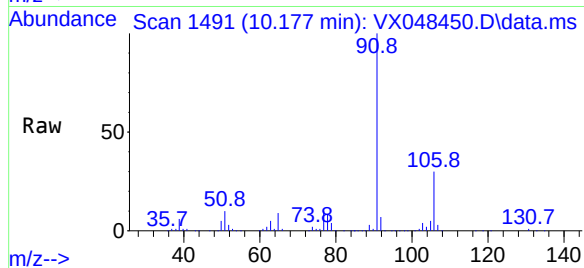
106 30.0 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#68

m/p-Xylenes

Concen: 40.684 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. 0.000 min

Lab File: VX048450.D

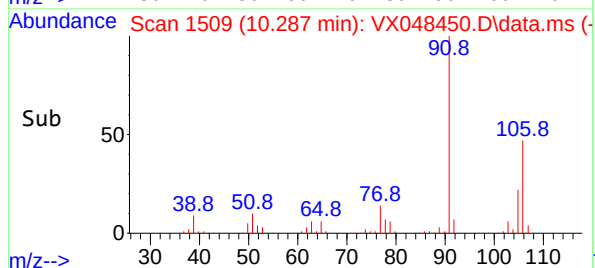
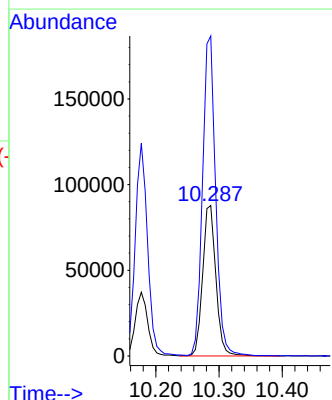
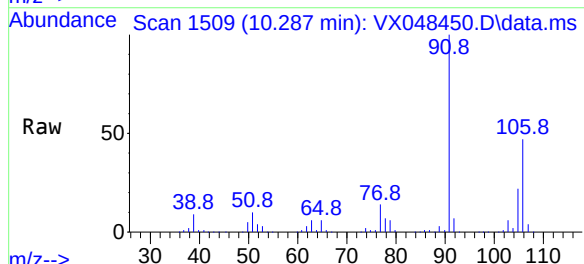
Acq: 03 Nov 2025 12:44

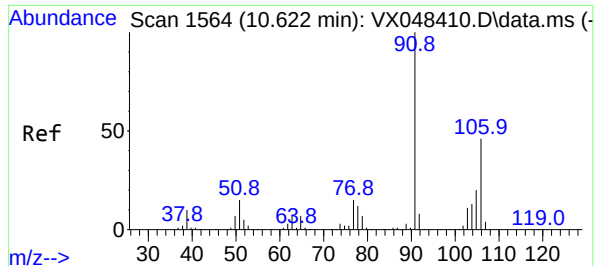
Tgt Ion:106 Resp: 127810

Ion Ratio Lower Upper

106 100

91 210.7 167.9 251.9





#69

o-Xylene

Concen: 19.793 ug/l

RT: 10.622 min Scan# 1564

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion:106 Resp: 5942

Ion Ratio Lower Upper

106 100

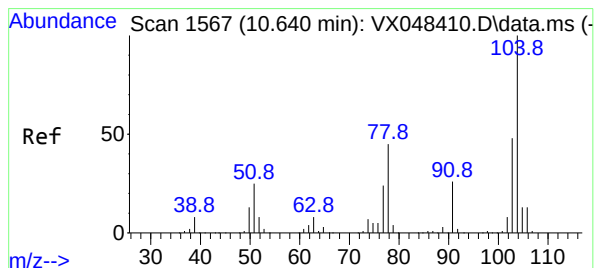
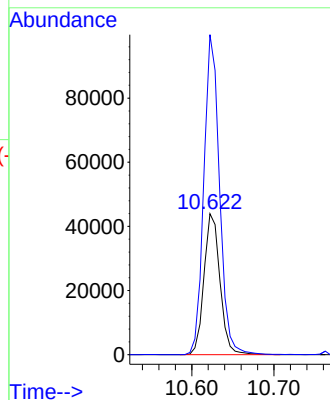
91 222.8 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#70

Styrene

Concen: 20.570 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

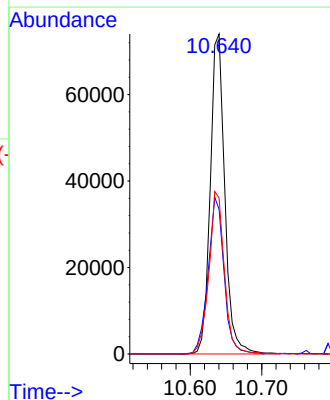
Tgt Ion:104 Resp: 104613

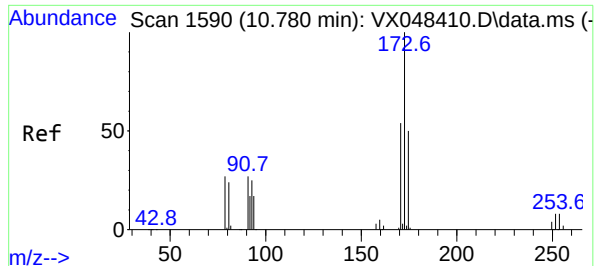
Ion Ratio Lower Upper

104 100

78 53.4 42.2 63.4

103 54.0 43.0 64.4





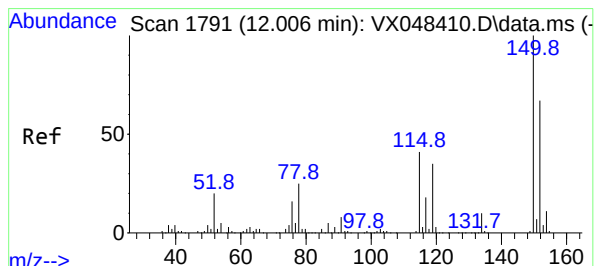
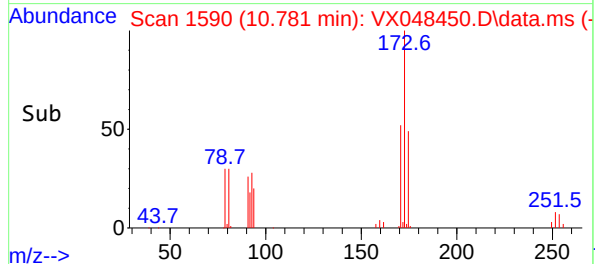
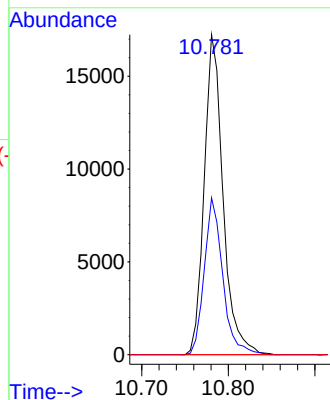
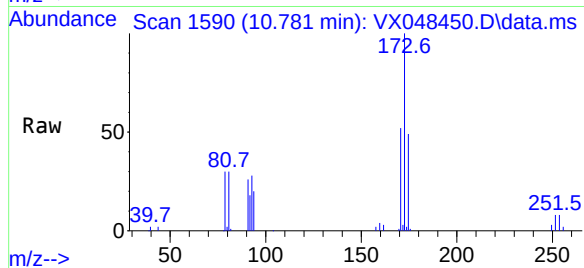
#71  
Bromoform  
Concen: 21.484 ug/l  
RT: 10.781 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01

Tgt Ion:173 Resp: 2605  
Ion Ratio Lower Upper  
173 100  
175 48.1 24.0 72.0  
254 0.0 0.0 0.0

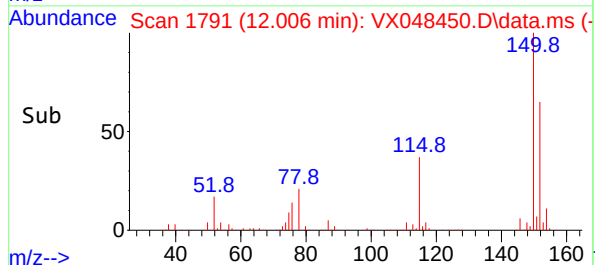
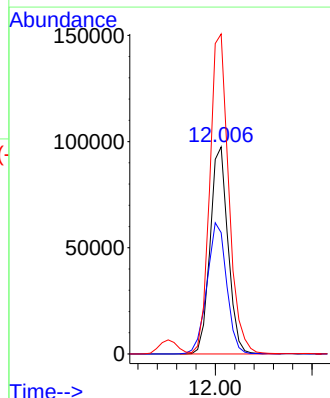
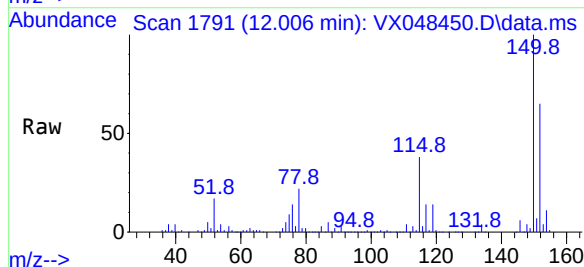
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

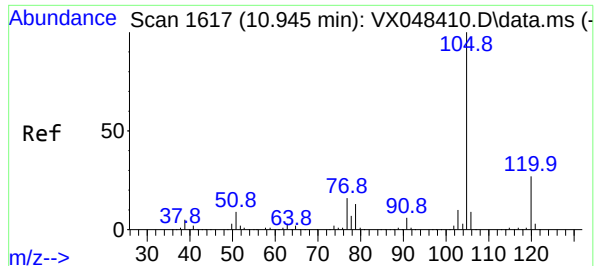


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Tgt Ion:152 Resp: 125216  
Ion Ratio Lower Upper  
152 100  
115 69.6 43.1 129.4  
150 163.5 0.0 353.0







#73

Isopropylbenzene

Concen: 17.509 ug/l

RT: 10.945 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion:105 Resp: 16215

Ion Ratio Lower Upper

105 100

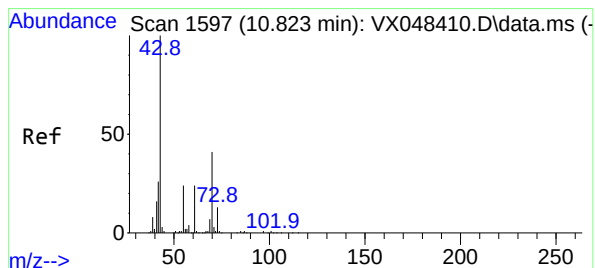
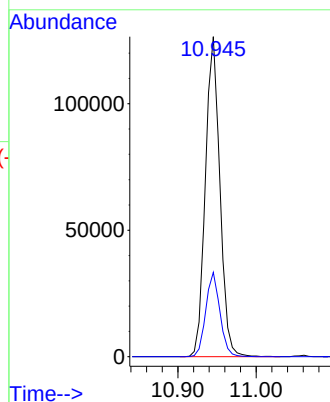
120 25.7 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#74

N-ethyl acetate

Concen: 17.707 ug/l

RT: 10.823 min Scan# 1597

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Tgt Ion: 43 Resp: 58503

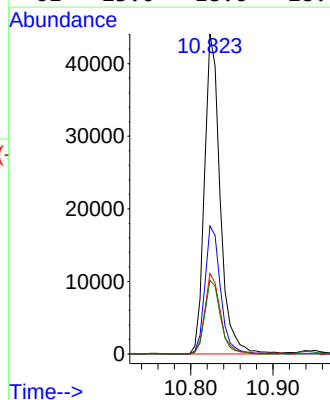
Ion Ratio Lower Upper

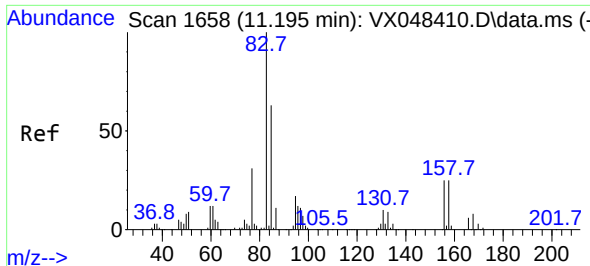
43 100

70 40.1 32.2 48.2

55 25.2 19.1 28.7

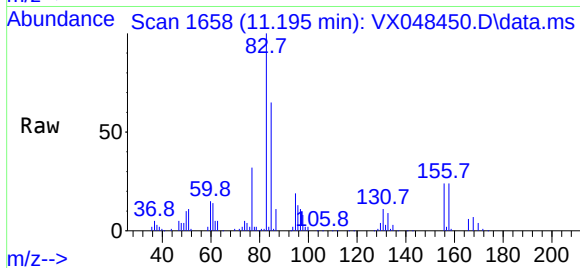
61 23.0 18.6 28.0





#75  
1,1,2,2-Tetrachloroethane  
Concen: 17.557 ug/l  
RT: 11.195 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

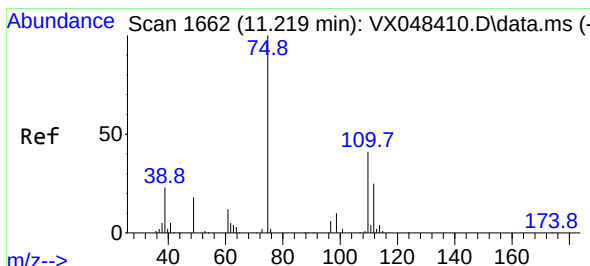
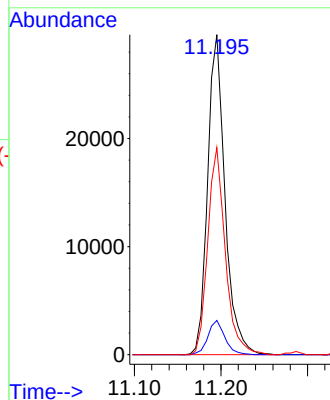
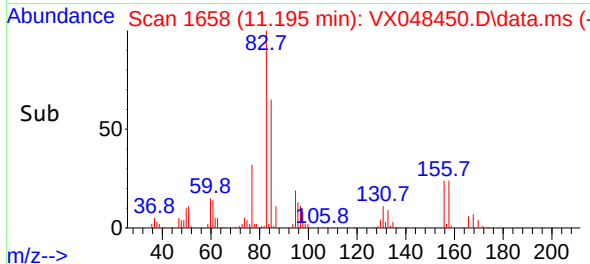
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01



Tgt Ion: 83 Resp: 41188  
Ion Ratio Lower Upper  
83 100  
131 10.4 4.8 14.4  
85 65.4 31.9 95.7

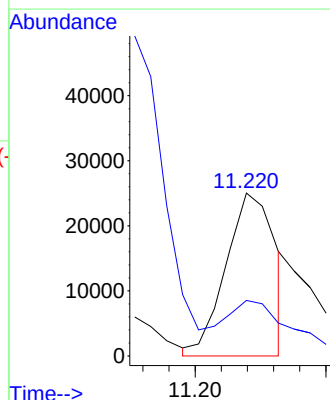
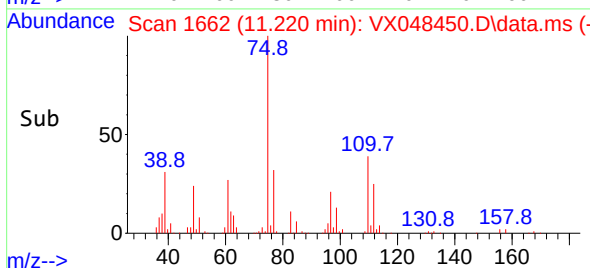
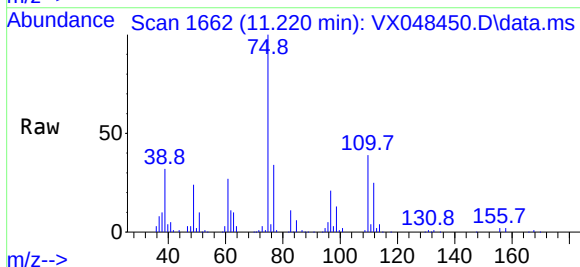
Manual Integrations  
APPROVED

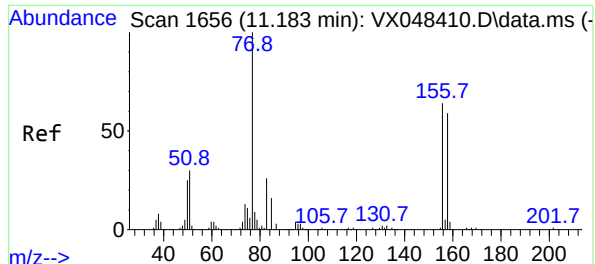
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#76  
1,2,3-Trichloropropane  
Concen: 18.256 ug/l m  
RT: 11.220 min Scan# 1662  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Tgt Ion: 75 Resp: 32874  
Ion Ratio Lower Upper  
75 100  
77 43.4 22.4 67.2





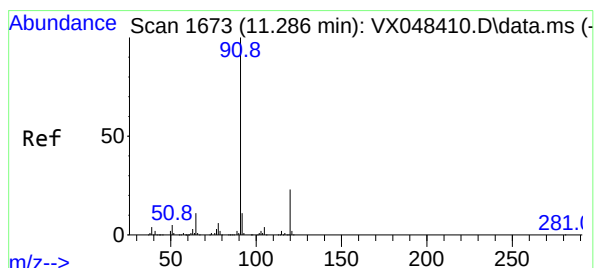
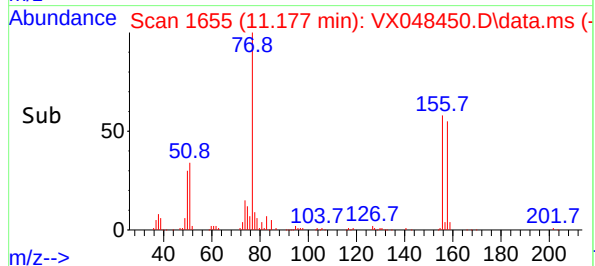
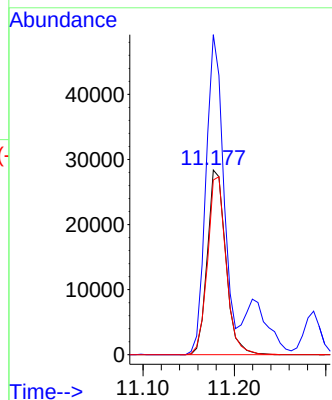
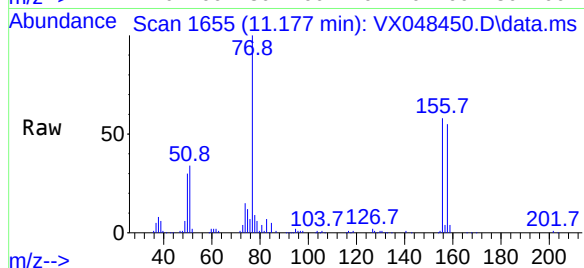
#77  
Bromobenzene  
Concen: 17.314 ug/l  
RT: 11.177 min Scan# 1655  
Delta R.T. -0.006 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01

Tgt Ion:156 Resp: 3961  
Ion Ratio Lower Upper  
156 100  
77 170.2 87.0 261.0  
158 97.2 47.8 143.4

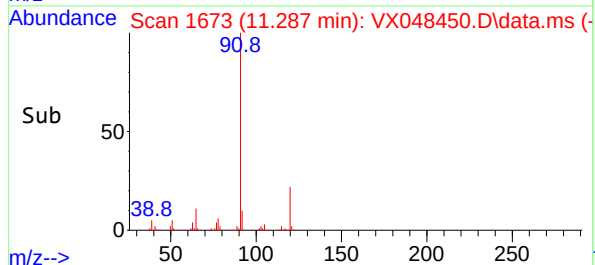
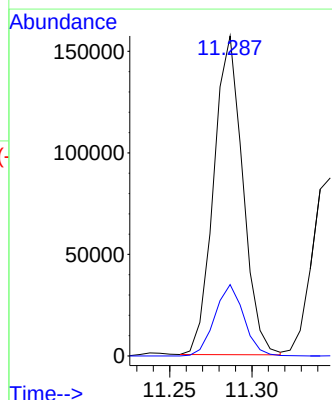
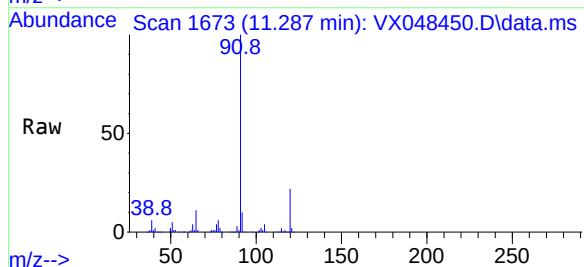
Manual Integrations  
APPROVED

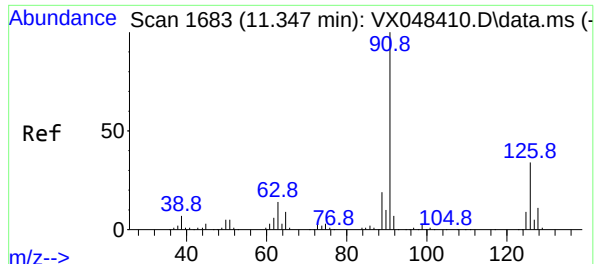
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#78  
n-propylbenzene  
Concen: 17.615 ug/l  
RT: 11.287 min Scan# 1673  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

Tgt Ion: 91 Resp: 192825  
Ion Ratio Lower Upper  
91 100  
120 22.4 11.1 33.1





#79

2-Chlorotoluene

Concen: 17.430 ug/l

RT: 11.348 min Scan# 1683

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 91 Resp: 11455

Ion Ratio Lower Upper

91 100

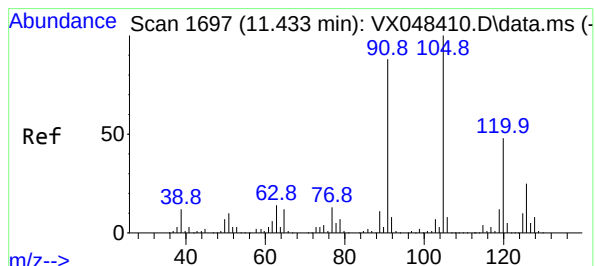
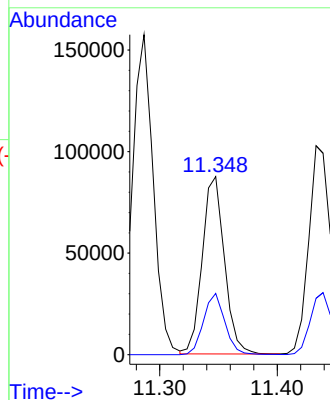
126 33.3 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#80

1,3,5-Trimethylbenzene

Concen: 17.739 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VX048450.D

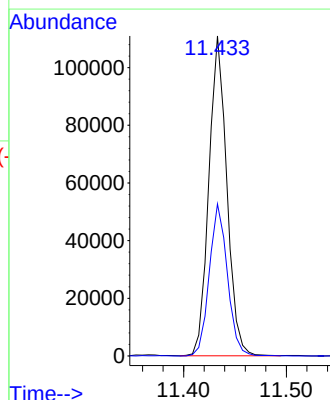
Acq: 03 Nov 2025 12:44

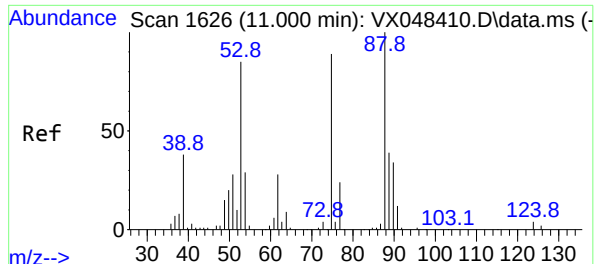
Tgt Ion:105 Resp: 134673

Ion Ratio Lower Upper

105 100

120 47.9 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.867 ug/l

RT: 11.000 min Scan# 1626

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

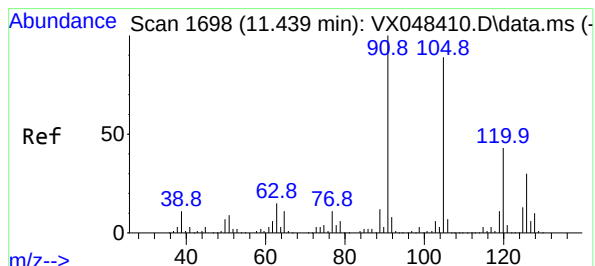
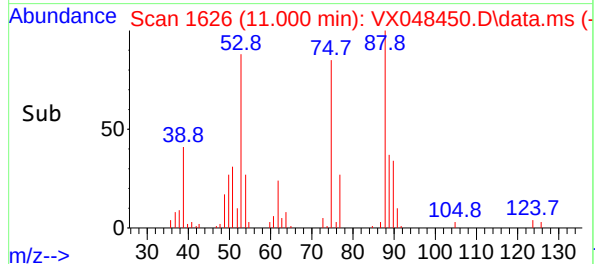
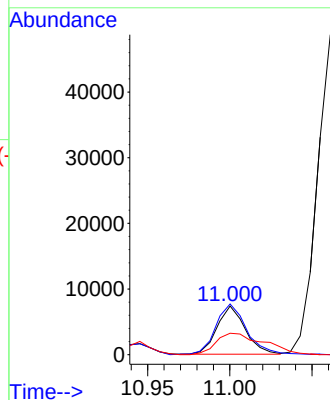
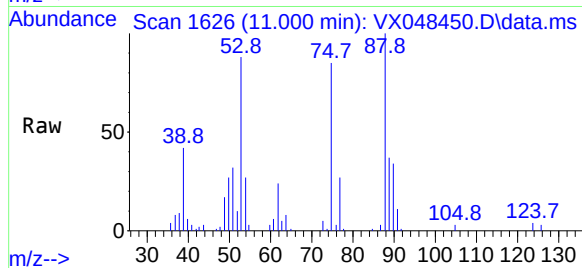
VX1103WBSD01

| Tgt Ion: | 75    | Resp: | 877   |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 116.2 | 79.5  | 119.3 |
| 89       | 75.8  | 36.8  | 55.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



#82

4-Chlorotoluene

Concen: 17.752 ug/l

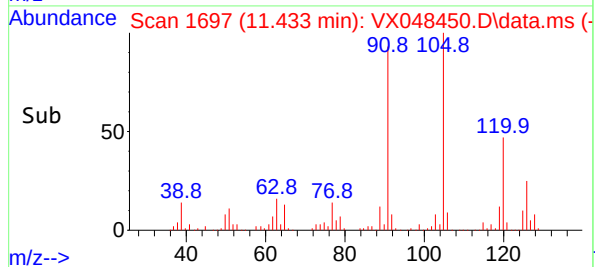
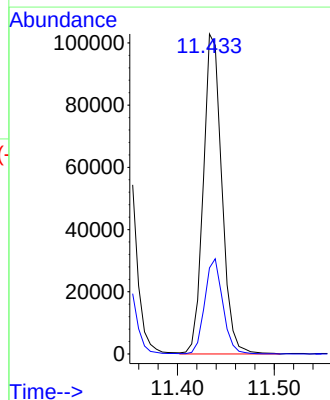
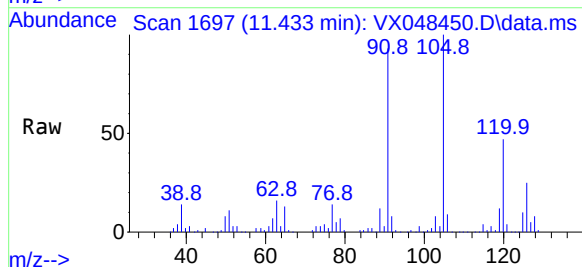
RT: 11.433 min Scan# 1697

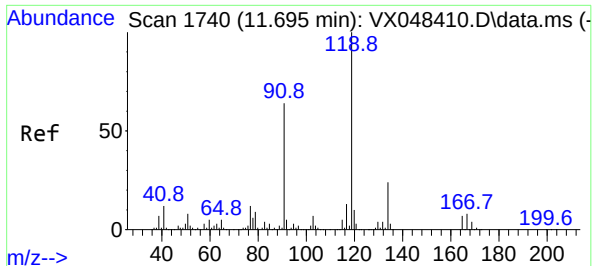
Delta R.T. -0.006 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

| Tgt Ion: | 91    | Resp: | 137156 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 29.1  | 14.1  | 42.4   |





#83

tert-Butylbenzene

Concen: 17.434 ug/l

RT: 11.695 min Scan# 1740

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion:119 Resp: 134749

Ion Ratio Lower Upper

119 100

91 61.2 30.3 91.0

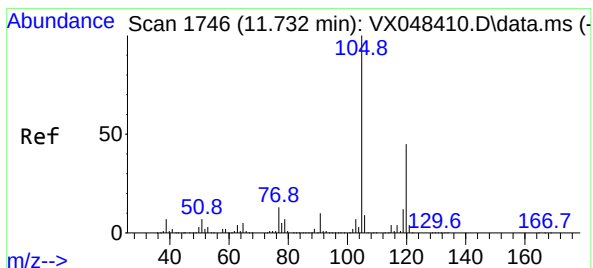
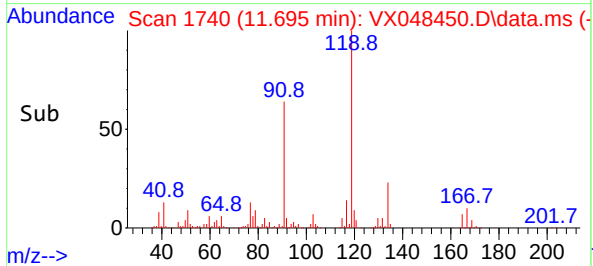
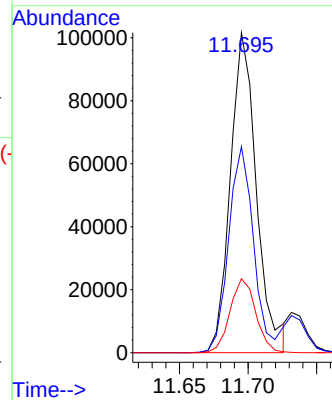
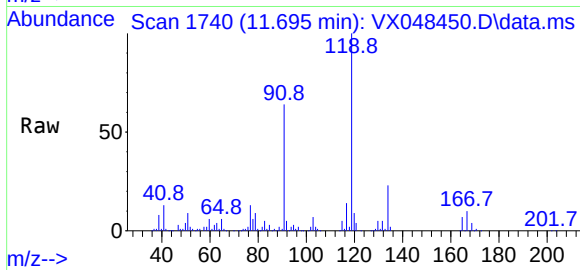
134 22.8 11.4 34.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#84

1,2,4-Trimethylbenzene

Concen: 17.970 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. 0.000 min

Lab File: VX048450.D

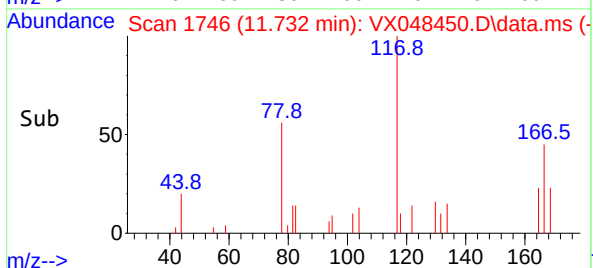
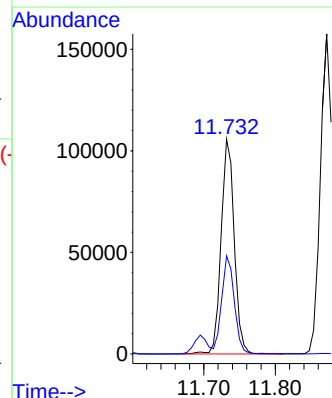
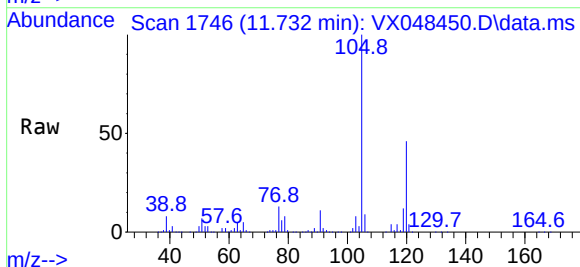
Acq: 03 Nov 2025 12:44

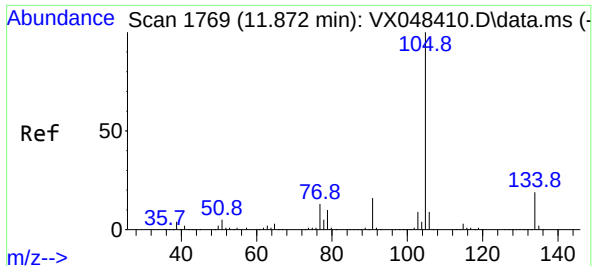
Tgt Ion:105 Resp: 135084

Ion Ratio Lower Upper

105 100

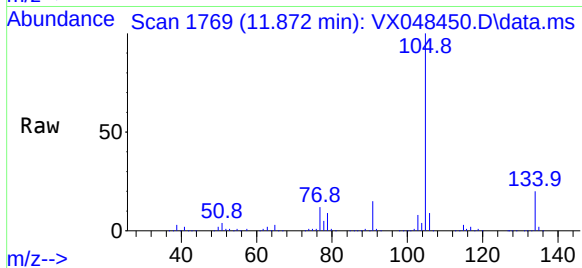
120 43.5 22.1 66.5





#85  
sec-Butylbenzene  
Concen: 19.803 ug/l  
RT: 11.872 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

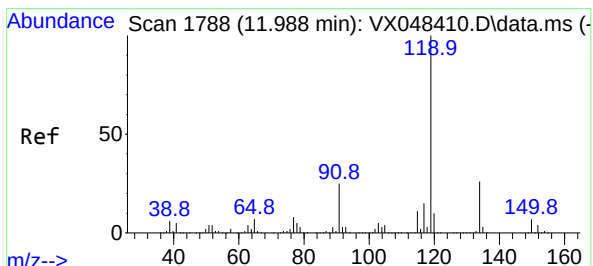
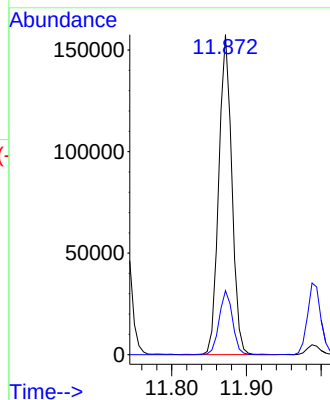
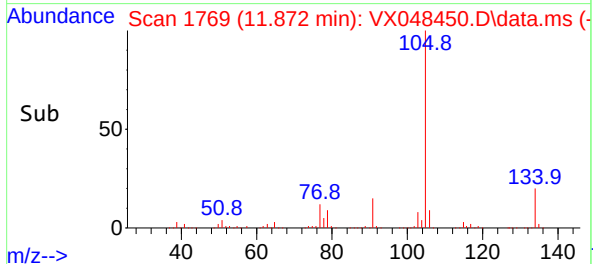
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01



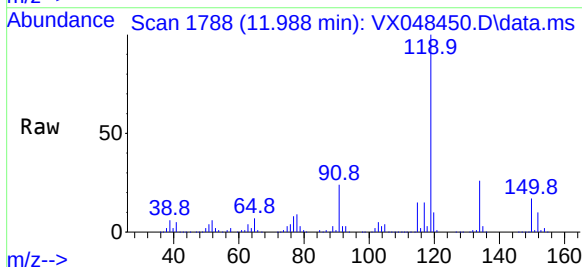
Tgt Ion:105 Resp: 190712  
Ion Ratio Lower Upper  
105 100  
134 20.4 10.1 30.1

Manual Integrations  
APPROVED

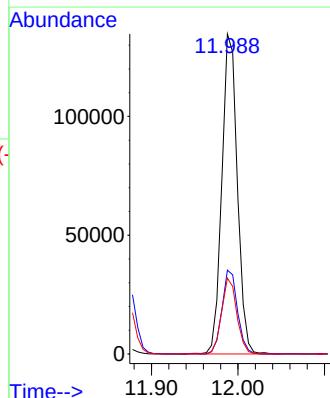
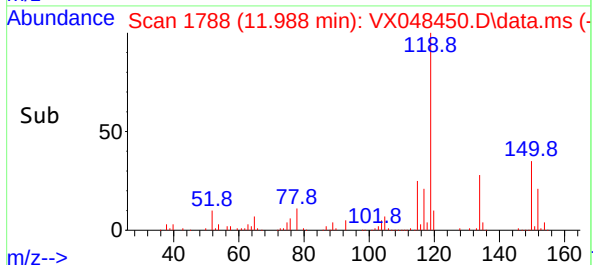
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

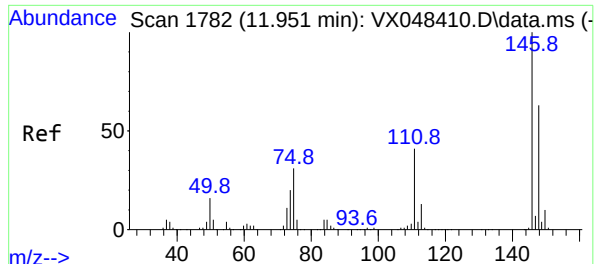


#86  
p-Isopropyltoluene  
Concen: 20.551 ug/l  
RT: 11.988 min Scan# 1788  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44



Tgt Ion:119 Resp: 167323  
Ion Ratio Lower Upper  
119 100  
134 26.2 13.0 39.0  
91 23.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 19.660 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion:146 Resp: 8589

Ion Ratio Lower Upper

146 100

111 41.7 20.4 61.2

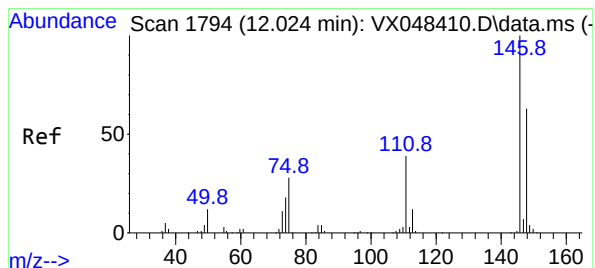
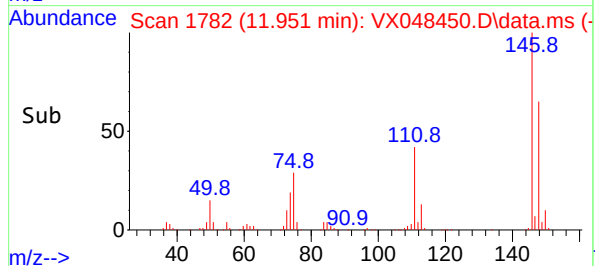
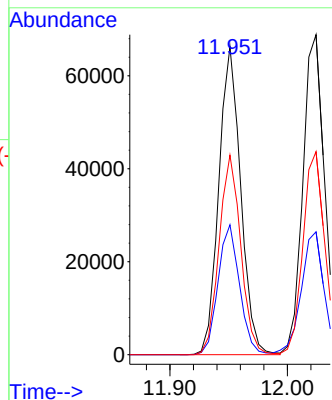
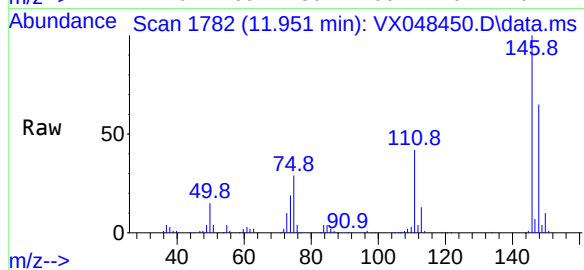
148 64.1 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#88

1,4-Dichlorobenzene

Concen: 19.893 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

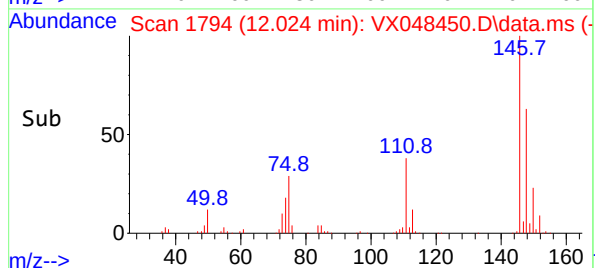
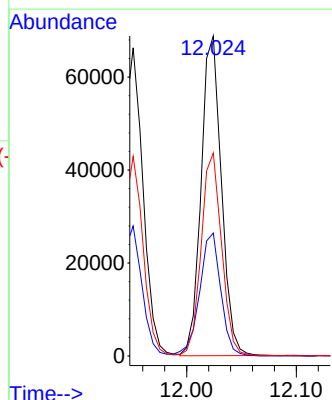
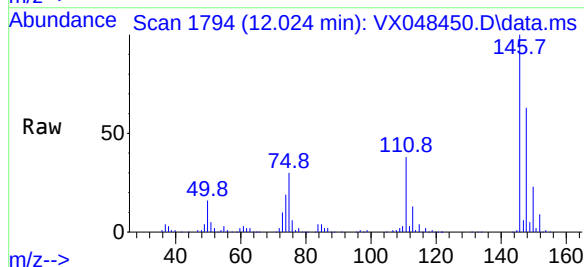
Tgt Ion:146 Resp: 88526

Ion Ratio Lower Upper

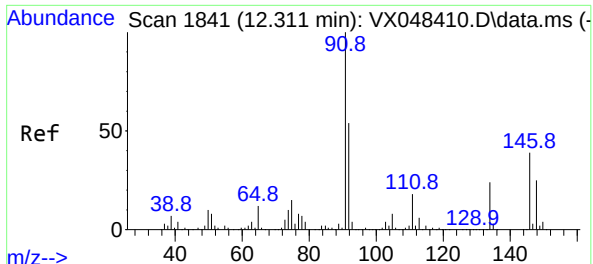
146 100

111 40.2 20.1 60.2

148 63.9 31.8 95.3







#89

n-Butylbenzene

Concen: 19.531 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion: 91 Resp: 14930

Ion Ratio Lower Upper

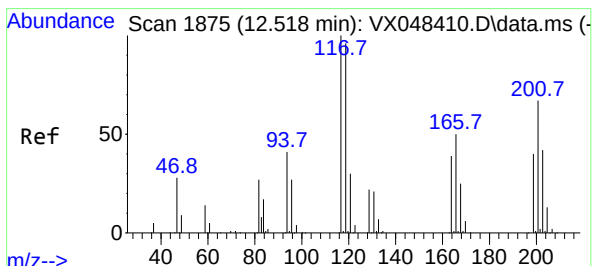
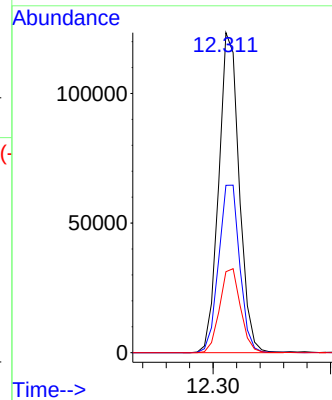
91 100

92 54.0 26.9 80.6

134 26.8 12.7 38.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

#90

Hexachloroethane

Concen: 19.510 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VX048450.D

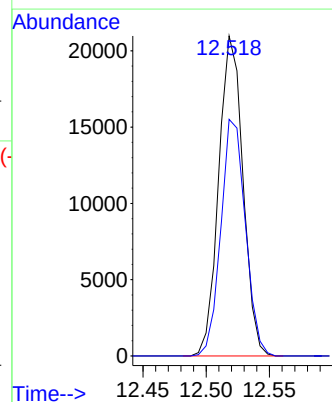
Acq: 03 Nov 2025 12:44

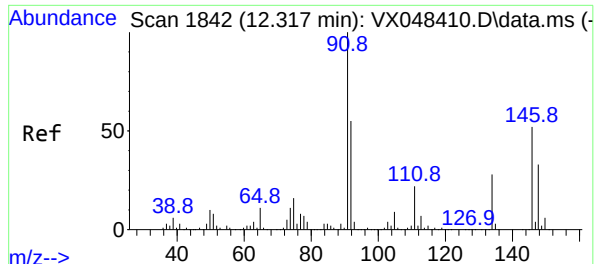
Tgt Ion:117 Resp: 27911

Ion Ratio Lower Upper

117 100

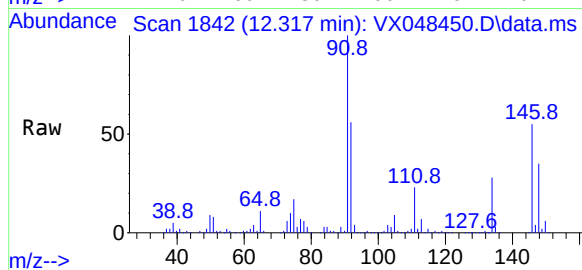
201 74.9 34.1 102.2





#91  
1,2-Dichlorobenzene  
Concen: 20.172 ug/l  
RT: 12.317 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44

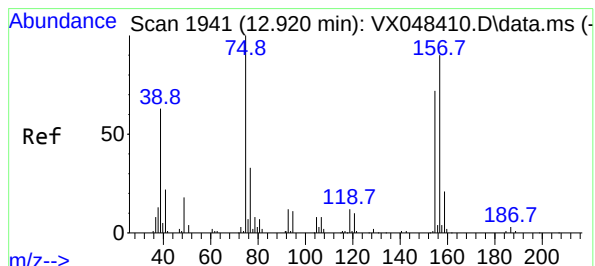
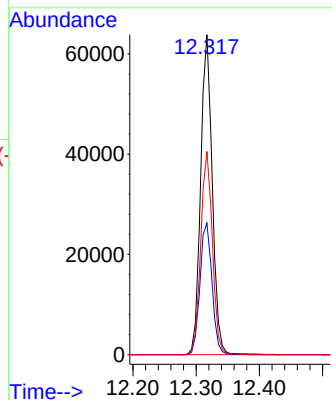
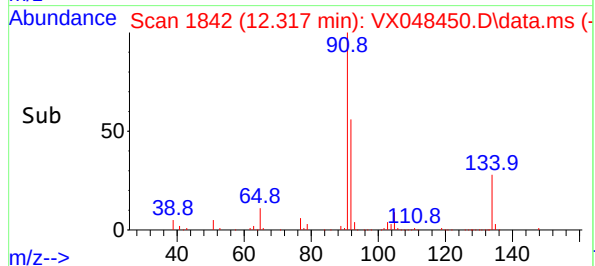
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBSD01



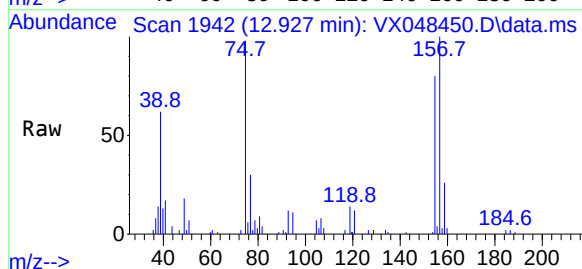
Tgt Ion:146 Resp: 81672  
Ion Ratio Lower Upper  
146 100  
111 42.5 21.9 65.5  
148 63.8 31.9 95.5

Manual Integrations  
APPROVED

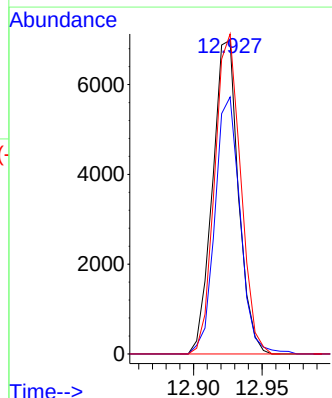
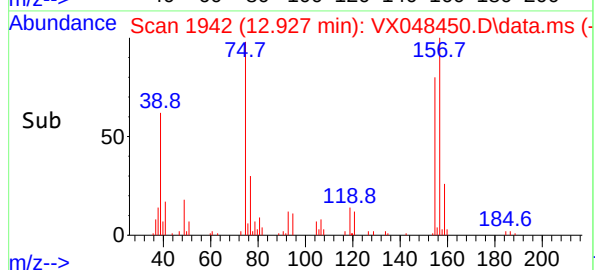
Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025



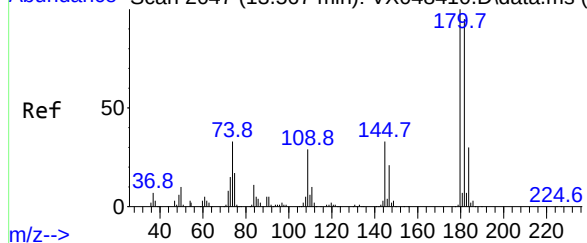
#92  
1,2-Dibromo-3-Chloropropane  
Concen: 19.962 ug/l  
RT: 12.927 min Scan# 1942  
Delta R.T. 0.006 min  
Lab File: VX048450.D  
Acq: 03 Nov 2025 12:44



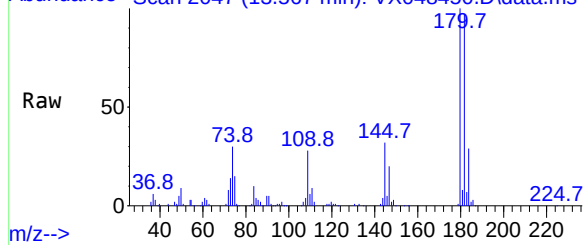
Tgt Ion: 75 Resp: 9170  
Ion Ratio Lower Upper  
75 100  
155 79.9 42.8 128.4  
157 101.9 54.2 162.6



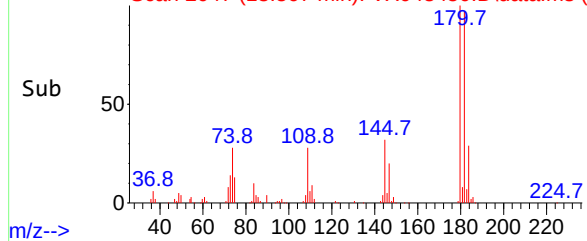
Abundance Scan 2047 (13.567 min): VX048410.D\data.ms (-



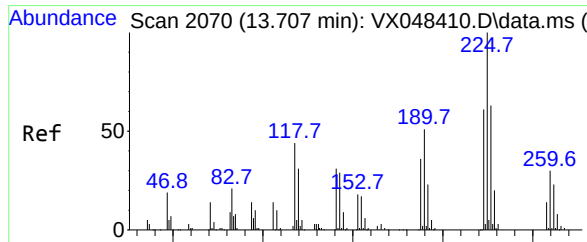
m/z--&gt; Abundance Scan 2047 (13.567 min): VX048450.D\data.ms (-



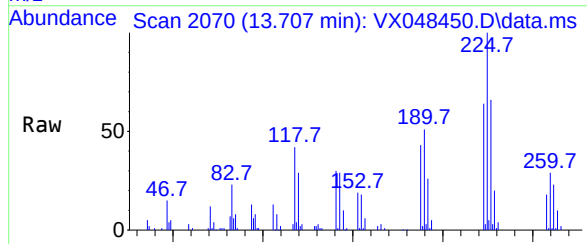
m/z--&gt; Abundance Scan 2047 (13.567 min): VX048450.D\data.ms (-



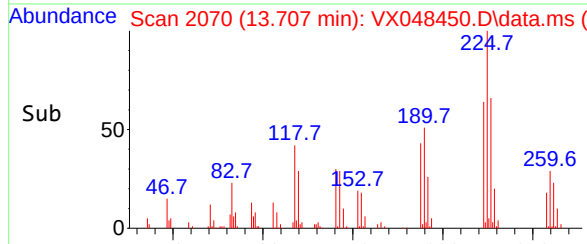
m/z--&gt; Abundance Scan 2070 (13.707 min): VX048410.D\data.ms (-



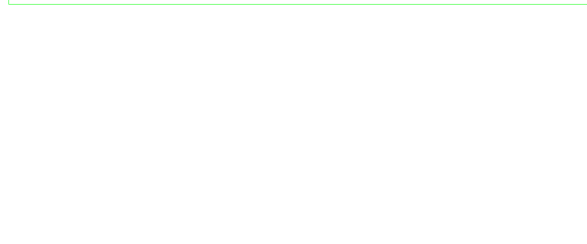
m/z--&gt; Abundance Scan 2070 (13.707 min): VX048450.D\data.ms (-



m/z--&gt; Abundance Scan 2070 (13.707 min): VX048450.D\data.ms (-



m/z--&gt; Abundance Scan 2070 (13.707 min): VX048450.D\data.ms (-



m/z--&gt; Abundance Scan 2070 (13.707 min): VX048450.D\data.ms (-

m/z--&gt; Abundance Scan 2070 (13.707 min): VX048450.D\data.ms (-

m/z--&gt; Abundance Scan 2070 (13.707 min): VX048450.D\data.ms (-

m/z--&gt; Abundance Scan 2070 (13.707 min): VX048450.D\data.ms (-

m/z--&gt; Abundance Scan 2070 (13.707 min): VX048450.D\data.ms (-

m/z--&gt; Abundance Scan 2070 (13.707 min): VX048450.D\data.ms (-

m/z--&gt; Abundance Scan 2070 (13.707 min): VX048450.D\data.ms (-

m/z--&gt; Abundance Scan 2070 (13.707 min): VX048450.D\data.ms (-

m/z--&gt; Abundance Scan 2070 (13.707 min): VX048450.D\data.ms (-

#93

1,2,4-Trichlorobenzene

Concen: 19.539 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Tgt Ion:180 Resp: 54589

Ion Ratio Lower Upper

180 100

182 95.2 47.3 142.0

145 31.6 16.3 48.9

Instrument :

MSVOA\_X

ClientSampleId :

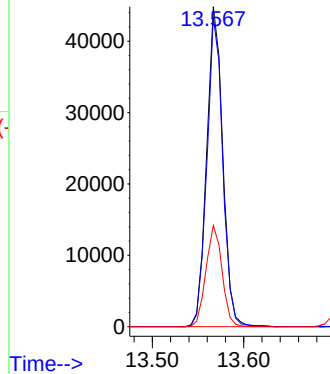
VX1103WBSD01

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

Abundance



Time--&gt;

#94

Hexachlorobutadiene

Concen: 19.705 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Tgt Ion:225 Resp: 23093

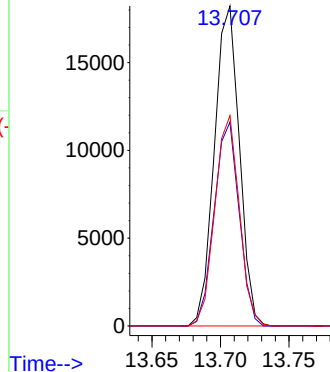
Ion Ratio Lower Upper

225 100

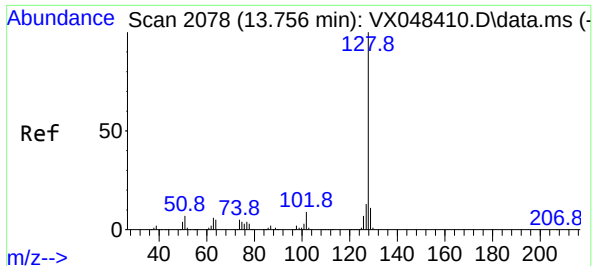
223 63.6 32.6 97.7

227 64.4 32.5 97.4

Abundance



Time--&gt;



#95

Naphthalene

Concen: 19.333 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBSD01

Tgt Ion:128 Resp: 136418

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

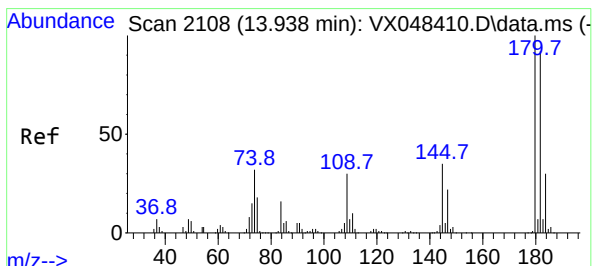
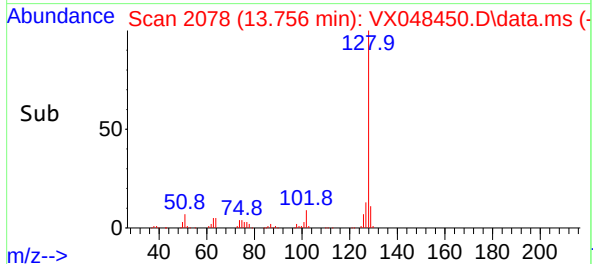
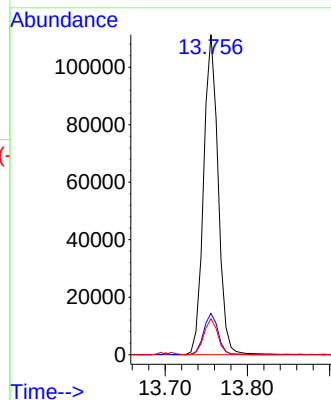
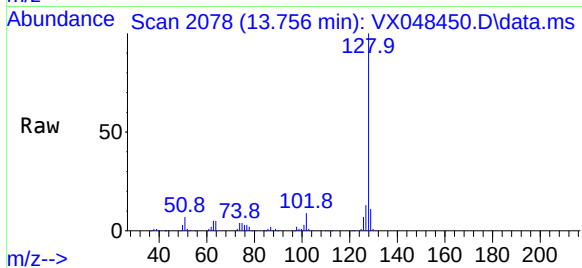
129 10.9 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025

Supervised By :mohammad ahmed 11/04/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.625 ug/l

RT: 13.939 min Scan# 2108

Delta R.T. 0.000 min

Lab File: VX048450.D

Acq: 03 Nov 2025 12:44

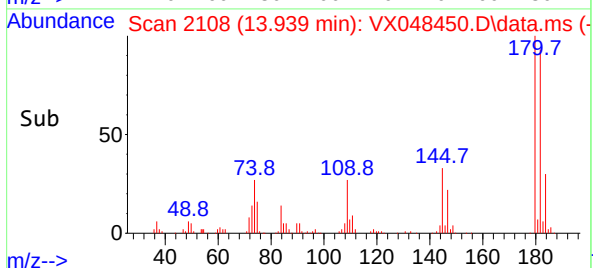
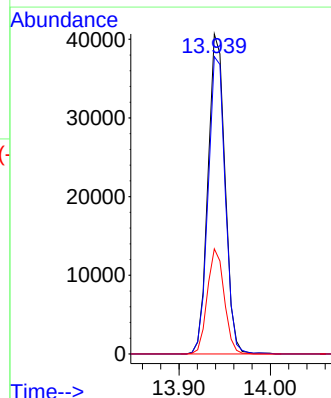
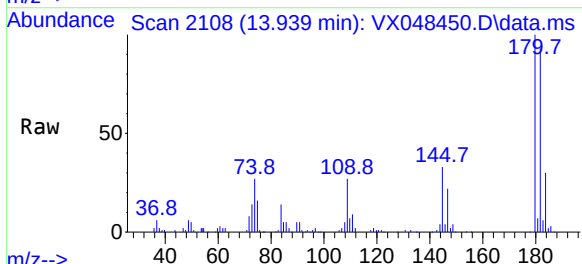
Tgt Ion:180 Resp: 52342

Ion Ratio Lower Upper

180 100

182 93.9 46.6 139.7

145 32.7 16.9 50.7



### Report of Analysis

Client: AECOM  
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
 Client Sample ID: VY1022SBSD01  
 Lab Sample ID: VY1022SBSD01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 g

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3422  
 Matrix: SOIL  
 % Solid: 100  
 Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |      |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 19.5  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 74-87-3        | Chloromethane                  | 17.5  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 75-01-4        | Vinyl Chloride                 | 18.3  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 74-83-9        | Bromomethane                   | 19.0  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 75-00-3        | Chloroethane                   | 18.9  |      | 1  | 1.30 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 75-69-4        | Trichlorofluoromethane         | 19.5  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 20.4  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 75-35-4        | 1,1-Dichloroethene             | 19.9  |      | 1  | 1.00 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 67-64-1        | Acetone                        | 120   |      | 1  | 4.70 | 25.0       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 75-15-0        | Carbon Disulfide               | 18.8  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 1634-04-4      | Methyl tert-butyl Ether        | 19.3  |      | 1  | 0.73 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 79-20-9        | Methyl Acetate                 | 16.0  |      | 1  | 1.50 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 75-09-2        | Methylene Chloride             | 18.0  |      | 1  | 3.50 | 10.0       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 156-60-5       | trans-1,2-Dichloroethene       | 20.1  |      | 1  | 0.86 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 75-34-3        | 1,1-Dichloroethane             | 19.9  |      | 1  | 0.80 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 110-82-7       | Cyclohexane                    | 18.5  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 78-93-3        | 2-Butanone                     | 110   |      | 1  | 6.50 | 25.0       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 56-23-5        | Carbon Tetrachloride           | 20.5  |      | 1  | 0.97 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 156-59-2       | cis-1,2-Dichloroethene         | 20.7  |      | 1  | 0.75 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 74-97-5        | Bromochloromethane             | 19.3  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 67-66-3        | Chloroform                     | 20.6  |      | 1  | 0.84 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 71-55-6        | 1,1,1-Trichloroethane          | 20.7  |      | 1  | 0.93 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 108-87-2       | Methylcyclohexane              | 20.0  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 71-43-2        | Benzene                        | 20.7  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 107-06-2       | 1,2-Dichloroethane             | 19.4  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 79-01-6        | Trichloroethene                | 21.2  |      | 1  | 0.81 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 78-87-5        | 1,2-Dichloropropane            | 20.3  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 75-27-4        | Bromodichloromethane           | 20.7  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 91.4  |      | 1  | 3.60 | 25.0       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 108-88-3       | Toluene                        | 21.2  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 10061-02-6     | t-1,3-Dichloropropene          | 20.1  |      | 1  | 0.65 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 20.4  |      | 1  | 0.62 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 79-00-5        | 1,1,2-Trichloroethane          | 21.2  |      | 1  | 0.92 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 591-78-6       | 2-Hexanone                     | 100   |      | 1  | 3.70 | 25.0       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 124-48-1       | Dibromochloromethane           | 20.7  |      | 1  | 0.87 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 106-93-4       | 1,2-Dibromoethane              | 20.5  |      | 1  | 0.88 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 127-18-4       | Tetrachloroethene              | 22.3  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 108-90-7       | Chlorobenzene                  | 21.0  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 100-41-4       | Ethyl Benzene                  | 20.8  |      | 1  | 0.67 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 179601-23-1    | m/p-Xylenes                    | 42.2  |      | 1  | 1.20 | 10.0       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 95-47-6        | o-Xylene                       | 21.1  |      | 1  | 0.82 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 100-42-5       | Styrene                        | 21.2  |      | 1  | 0.71 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |
| 75-25-2        | Bromoform                      | 20.3  |      | 1  | 0.86 | 5.00       | ug/Kg | 10/22/25 10:51 | VY102225 |

### Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: |               |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  |               |
| Client Sample ID:  | VY1022SBSD01                                     | SDG No.:        | Q3422         |
| Lab Sample ID:     | VY1022SBSD01                                     | Matrix:         | SOIL          |
| Analytical Method: | 8260D                                            | % Solid:        | 100           |
| Sample Wt/Vol:     | 5 g                                              | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 20.8              |      | 1  | 0.78     | 5.00       | ug/Kg   | 10/22/25 10:51 | VY102225 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 19.2              |      | 1  | 1.20     | 5.00       | ug/Kg   | 10/22/25 10:51 | VY102225 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 20.8              |      | 1  | 1.70     | 5.00       | ug/Kg   | 10/22/25 10:51 | VY102225 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 20.7              |      | 1  | 1.60     | 5.00       | ug/Kg   | 10/22/25 10:51 | VY102225 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 20.9              |      | 1  | 1.50     | 5.00       | ug/Kg   | 10/22/25 10:51 | VY102225 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 19.0              |      | 1  | 1.80     | 5.00       | ug/Kg   | 10/22/25 10:51 | VY102225 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 20.2              |      | 1  | 3.00     | 5.00       | ug/Kg   | 10/22/25 10:51 | VY102225 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 19.5              |      | 1  | 3.20     | 5.00       | ug/Kg   | 10/22/25 10:51 | VY102225 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 45.1              |      |    | 63 - 155 | 90%        | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 49.3              |      |    | 70 - 134 | 99%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 48.6              |      |    | 74 - 123 | 97%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 48.7              |      |    | 17 - 146 | 97%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 543000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 794000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 692000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 365000            |      |    |          |            |         |                |          |

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\_Y\Data\VY102225\  
 Data File : VY023546.D  
 Acq On : 22 Oct 2025 10:51  
 Operator : SY/MD  
 Sample : VY1022SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1022SBS01

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/24/2025  
 Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 02:27:18 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 542616     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 794200     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 691787     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 364513     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.067          | 65   | 204806     | 45.137  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 90.280% |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 240748     | 49.334  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 98.660% |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 883426     | 48.611  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 97.220% |        |          |
| 62) 4-Bromofluorobenzene     | 12.402         | 95   | 292410     | 48.735  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 97.480% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 75983      | 19.455  | ug/l   | 97       |
| 3) Chloromethane             | 2.074          | 50   | 92933      | 17.467  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.208          | 62   | 126494     | 18.253  | ug/l   | 98       |
| 5) Bromomethane              | 2.592          | 94   | 110374     | 18.979  | ug/l   | 100      |
| 6) Chloroethane              | 2.739          | 64   | 89057      | 18.853  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.056          | 101  | 187963     | 19.534  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.458          | 74   | 48922      | 19.457  | ug/l   | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818          | 101  | 101676     | 20.363  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.007          | 142  | 118807     | 21.373  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 4.860          | 59   | 31636      | 93.720  | ug/l   | 94       |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 96256      | 19.887  | ug/l   | 92       |
| 13) Acrolein                 | 3.653          | 56   | 23721      | 49.732  | ug/l   | 96       |
| 14) Allyl chloride           | 4.391          | 41   | 107766     | 18.269  | ug/l   | 96       |
| 15) Acrylonitrile            | 5.067          | 53   | 88820      | 92.308  | ug/l   | 99       |
| 16) Acetone                  | 3.866          | 43   | 128229     | 118.706 | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.110          | 76   | 260315     | 18.791  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.385          | 43   | 45233      | 15.963  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.122          | 73   | 224408     | 19.290  | ug/l   | 95       |
| 20) Methylene Chloride       | 4.616          | 84   | 105150     | 18.001  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.116          | 96   | 106942     | 20.068  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.019          | 45   | 250099     | 19.167  | ug/l   | 93       |
| 23) Vinyl Acetate            | 5.964          | 43   | 664719     | 94.117  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 5.921          | 63   | 171993     | 19.899  | ug/l   | 97       |
| 25) 2-Butanone               | 6.896          | 43   | 138738     | 105.202 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 6.884          | 77   | 161087     | 20.311  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.896          | 96   | 127379     | 20.693  | ug/l   | 95       |
| 28) Bromochloromethane       | 7.250          | 49   | 62387      | 19.335  | ug/l   | 93       |
| 29) Tetrahydrofuran          | 7.268          | 42   | 63173      | 84.474  | ug/l   | 93       |
| 30) Chloroform               | 7.427          | 83   | 195371     | 20.573  | ug/l   | 99       |
| 31) Cyclohexane              | 7.707          | 56   | 139704     | 18.508  | ug/l   | 88       |
| 32) 1,1,1-Trichloroethane    | 7.622          | 97   | 178412     | 20.674  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.841          | 75   | 132638     | 20.530  | ug/l   | 100      |
| 37) Ethyl Acetate            | 6.988          | 43   | 48392      | 18.907  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.823          | 117  | 160505     | 20.489  | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.109          | 83   | 168002     | 19.972  | ug/l   | 99       |
| 40) Benzene                  | 8.085          | 78   | 423056     | 20.677  | ug/l   | 100      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
 Data File : VY023546.D  
 Acq On : 22 Oct 2025 10:51  
 Operator : SY/MD  
 Sample : VY1022SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1022SBS01

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/24/2025  
 Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 02:27:18 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 23527    | 16.996  | ug/l  | 88       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 102298   | 19.387  | ug/l  | 97       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 92102    | 18.046  | ug/l  | 98       |
| 44) Trichloroethene           | 8.866  | 130  | 126688   | 21.155  | ug/l  | 98       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 91803    | 20.314  | ug/l  | 100      |
| 46) Dibromomethane            | 9.231  | 93   | 56943    | 19.927  | ug/l  | 97       |
| 47) Bromodichloromethane      | 9.426  | 83   | 149048   | 20.710  | ug/l  | 98       |
| 48) Methyl methacrylate       | 9.225  | 41   | 41870    | 17.463  | ug/l  | 93       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 12343    | 372.543 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 240905   | 91.359  | ug/l  | 98       |
| 52) Toluene                   | 10.170 | 92   | 281449   | 21.186  | ug/l  | 98       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 125699   | 20.087  | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 150591   | 20.389  | ug/l  | 96       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 81403    | 21.184  | ug/l  | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 84192    | 18.994  | ug/l  | 95       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 123408   | 20.266  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 194748   | 98.074  | ug/l  | 99       |
| 59) 2-Hexanone                | 10.762 | 43   | 193121   | 102.481 | ug/l  | 97       |
| 60) Dibromochloromethane      | 10.908 | 129  | 111638   | 20.721  | ug/l  | 100      |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 75216    | 20.524  | ug/l  | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 159402   | 22.316  | ug/l  | 99       |
| 65) Chlorobenzene             | 11.444 | 112  | 315885   | 20.995  | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 113849   | 21.234  | ug/l  | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 506760   | 20.807  | ug/l  | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 412583   | 42.235  | ug/l  | 100      |
| 69) o-Xylene                  | 11.957 | 106  | 193428   | 21.110  | ug/l  | 98       |
| 70) Styrene                   | 11.969 | 104  | 319023   | 21.173  | ug/l  | 99       |
| 71) Bromoform                 | 12.133 | 173  | 67370    | 20.257  | ug/l  | 100      |
| 73) Isopropylbenzene          | 12.255 | 105  | 500033   | 20.816  | ug/l  | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 76114    | 17.641  | ug/l  | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 75476    | 19.210  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 68415m   | 21.273  | ug/l  |          |
| 77) Bromobenzene              | 12.530 | 156  | 135048   | 21.147  | ug/l  | 95       |
| 78) n-propylbenzene           | 12.597 | 91   | 582648   | 20.960  | ug/l  | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 337780   | 20.750  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 412957   | 21.274  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 25722    | 19.613  | ug/l  | 97       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 343300   | 20.477  | ug/l  | 98       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 374031   | 20.869  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 406596   | 20.988  | ug/l  | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 550279   | 21.403  | ug/l  | 100      |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 467814   | 21.371  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 258722   | 20.804  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 254047   | 20.684  | ug/l  | 99       |
| 89) n-Butylbenzene            | 13.615 | 91   | 392922   | 20.600  | ug/l  | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 95771    | 20.342  | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 227404   | 20.857  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 12234    | 18.977  | ug/l  | 96       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 137068   | 20.166  | ug/l  | 98       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 86848    | 20.497  | ug/l  | 97       |
| 95) Naphthalene               | 15.145 | 128  | 204628   | 18.906  | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 114859   | 19.509  | ug/l  | 99       |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
Data File : VY023546.D  
Acq On : 22 Oct 2025 10:51  
Operator : SY/MD  
Sample : VY1022SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 02:27:18 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01

Manual Integrations  
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Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

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

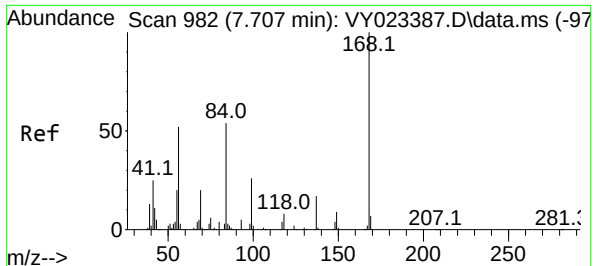
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VY1022SBSD01

## Manual Integrations

Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025





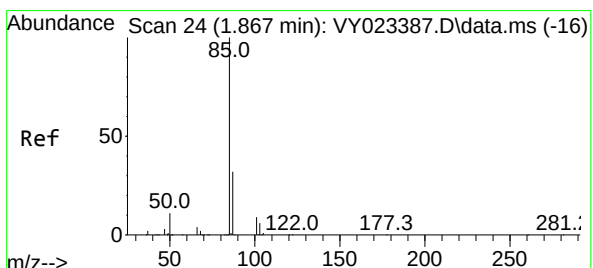
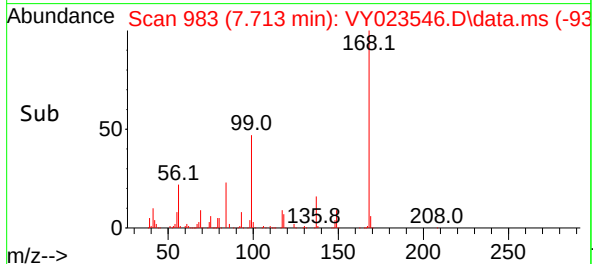
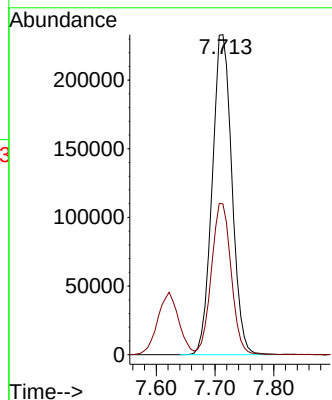
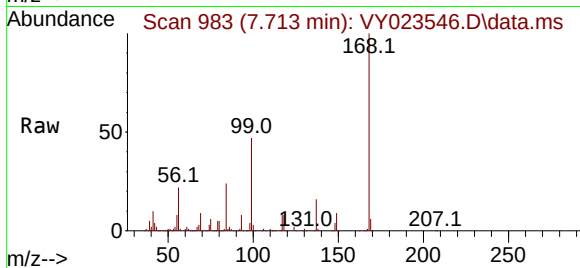
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Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01

Tgt Ion:168 Resp: 542610  
Ion Ratio Lower Upper  
168 100  
99 47.0 39.7 59.5

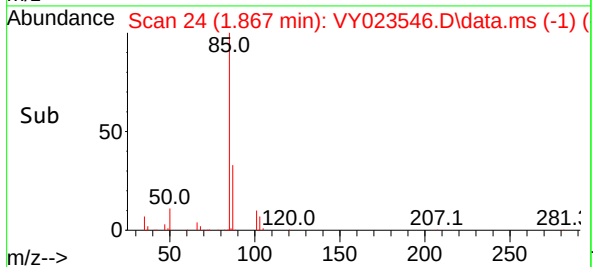
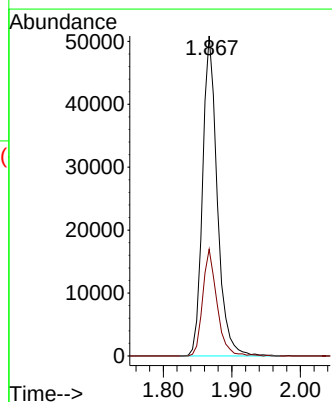
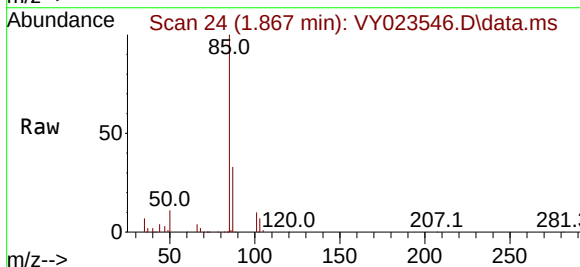
Manual Integrations  
APPROVED

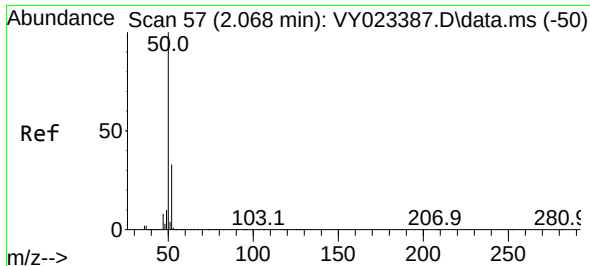
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#2  
Dichlorodifluoromethane  
Concen: 19.455 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. 0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Tgt Ion: 85 Resp: 75983  
Ion Ratio Lower Upper  
85 100  
87 33.4 16.0 47.9





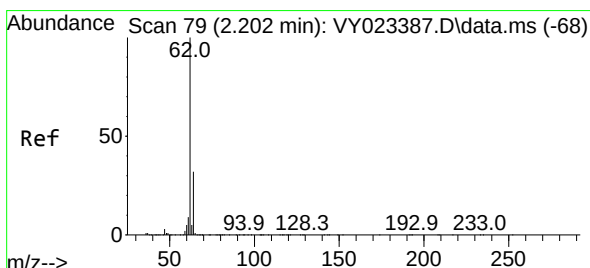
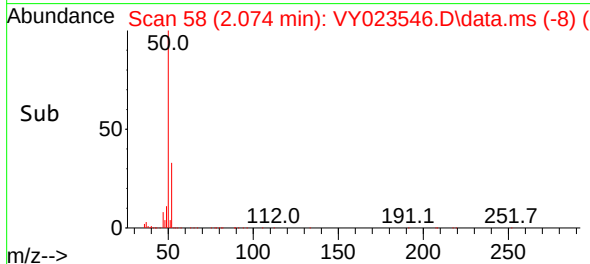
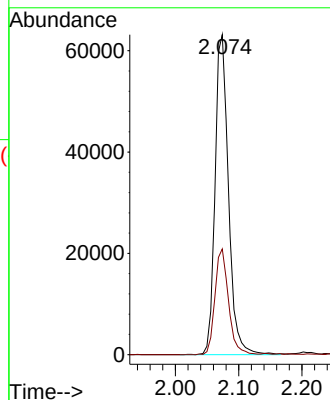
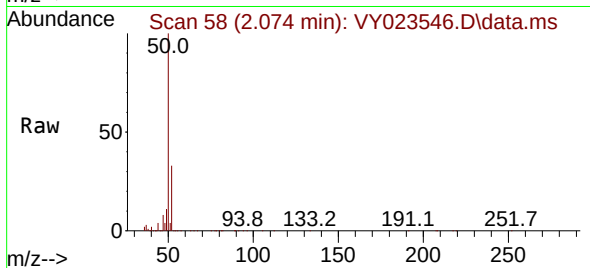
#3  
Chloromethane  
Concen: 17.467 ug/l  
RT: 2.074 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01

Tgt Ion: 50 Resp: 9293  
Ion Ratio Lower Upper  
50 100  
52 33.1 26.2 39.2

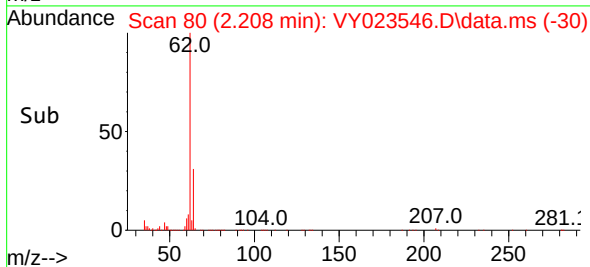
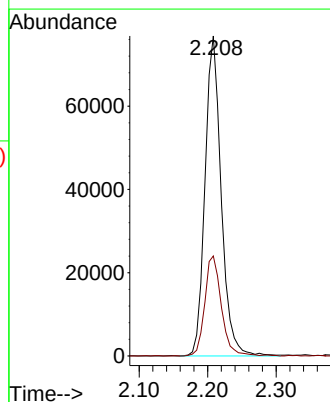
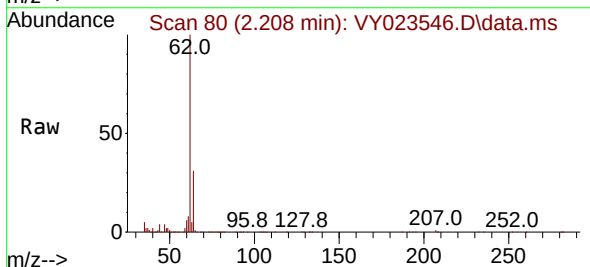
Manual Integrations  
APPROVED

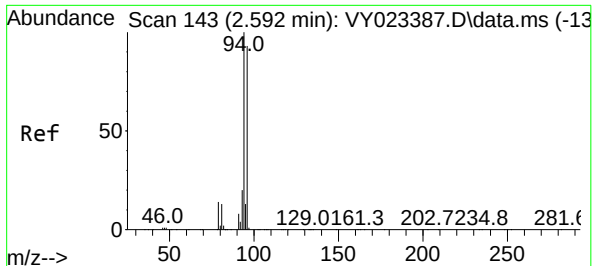
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#4  
Vinyl Chloride  
Concen: 18.253 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

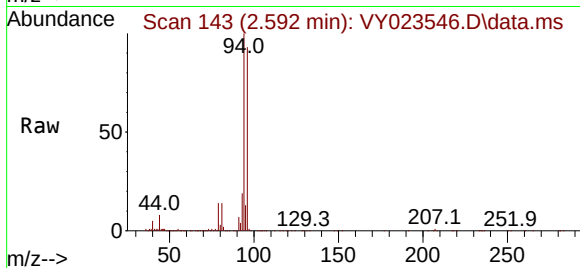
Tgt Ion: 62 Resp: 126494  
Ion Ratio Lower Upper  
62 100  
64 31.2 25.8 38.8





#5  
Bromomethane  
Concen: 18.979 ug/l  
RT: 2.592 min Scan# 143  
Delta R.T. -0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

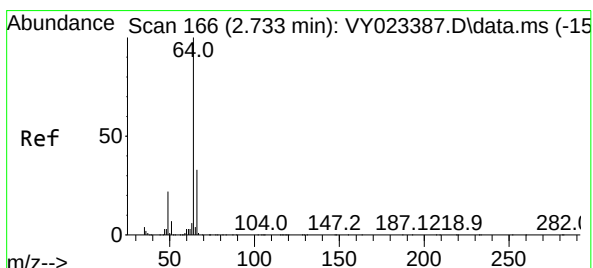
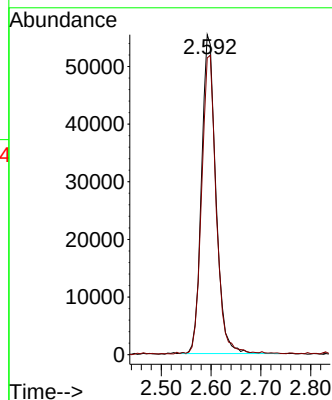
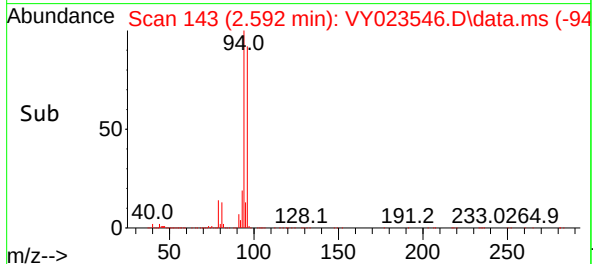
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01



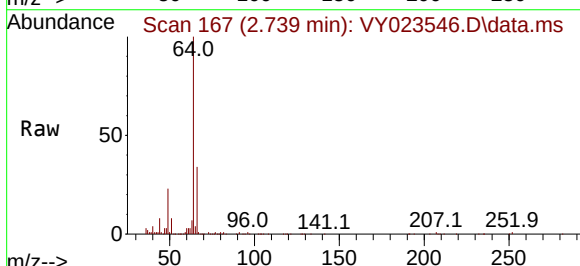
Tgt Ion: 94 Resp: 110374  
Ion Ratio Lower Upper  
94 100  
96 92.7 74.5 111.7

Manual Integrations  
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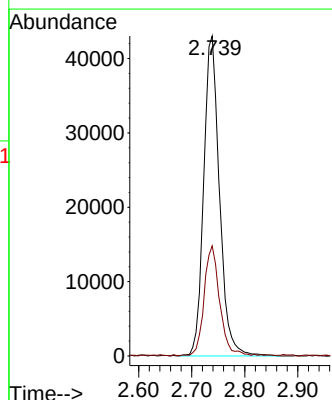
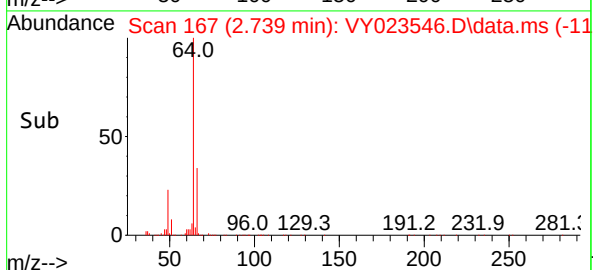
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

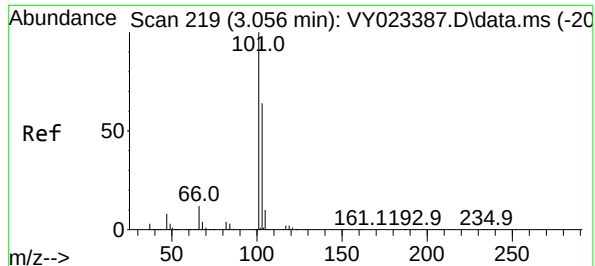


#6  
Chloroethane  
Concen: 18.853 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51



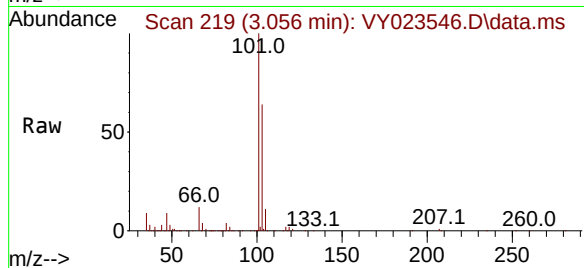
Tgt Ion: 64 Resp: 89057  
Ion Ratio Lower Upper  
64 100  
66 34.3 26.2 39.4





#7  
Trichlorofluoromethane  
Concen: 19.534 ug/l  
RT: 3.056 min Scan# 219  
Delta R.T. -0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

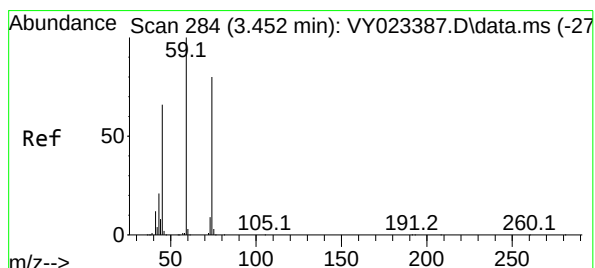
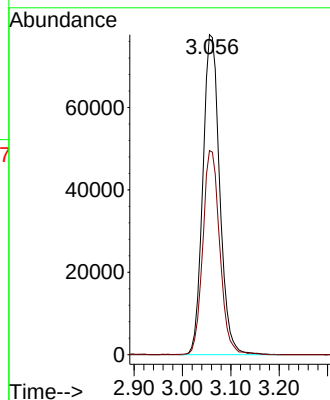
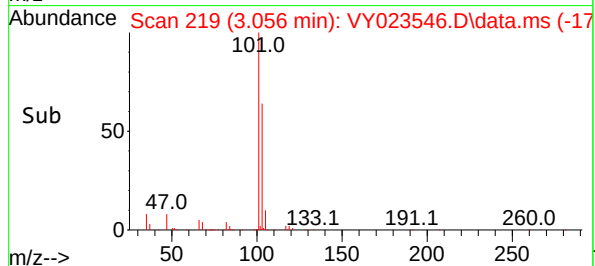
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



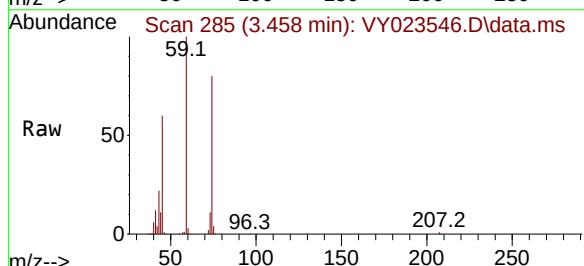
Tgt Ion:101 Resp: 18796  
Ion Ratio Lower Upper  
101 100  
103 63.8 51.3 76.9

Manual Integrations  
APPROVED

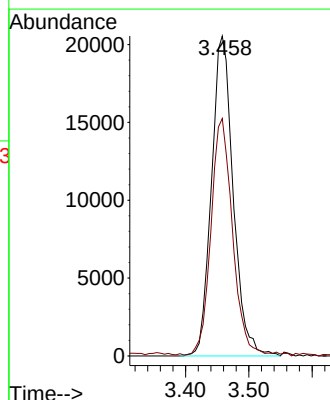
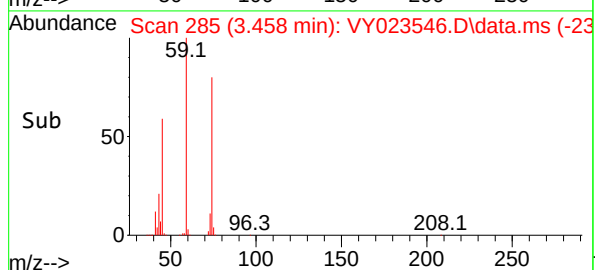
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

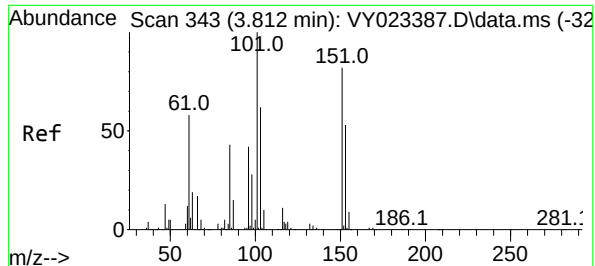


#8  
Diethyl Ether  
Concen: 19.457 ug/l  
RT: 3.458 min Scan# 285  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51



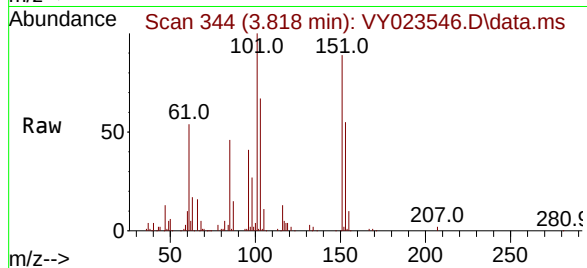
Tgt Ion: 74 Resp: 48922  
Ion Ratio Lower Upper  
74 100  
45 72.8 39.9 119.7





#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.363 ug/l  
RT: 3.818 min Scan# 343  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

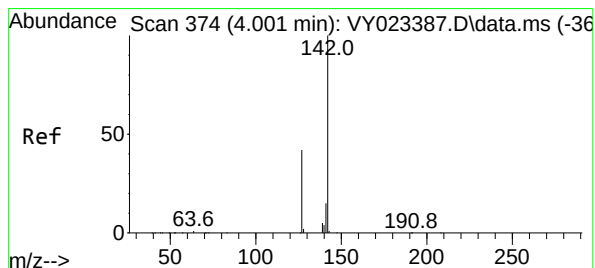
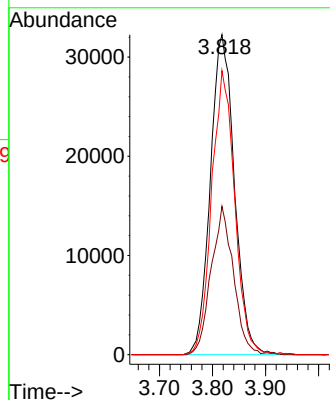
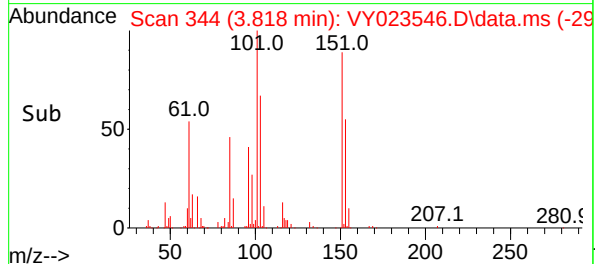
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



Tgt Ion:101 Resp: 101670  
Ion Ratio Lower Upper  
101 100  
85 43.0 34.6 51.8  
151 84.8 67.0 100.6

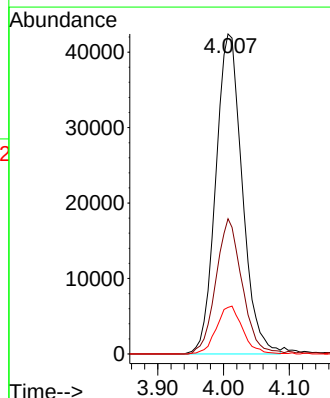
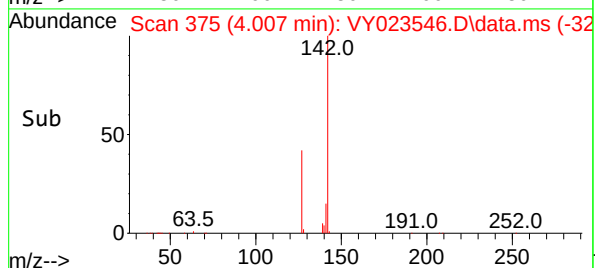
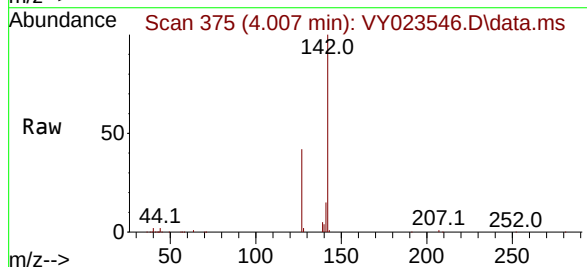
Manual Integrations  
APPROVED

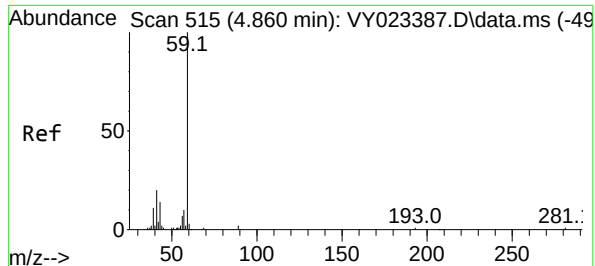
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#10  
Methyl Iodide  
Concen: 21.373 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Tgt Ion:142 Resp: 118807  
Ion Ratio Lower Upper  
142 100  
127 41.8 34.8 52.2  
141 14.8 11.6 17.4





#11

Tert butyl alcohol

Concen: 93.720 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 59 Resp: 31630

Ion Ratio Lower Upper

59 100

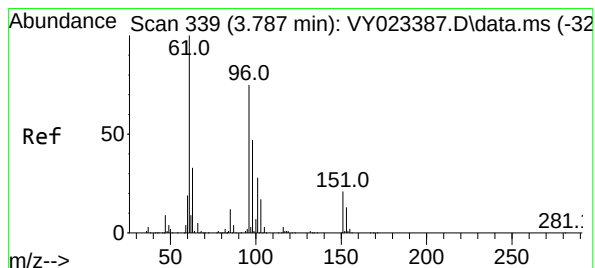
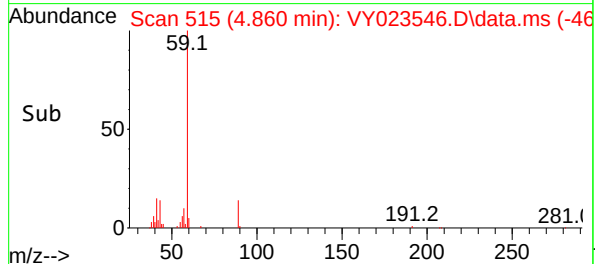
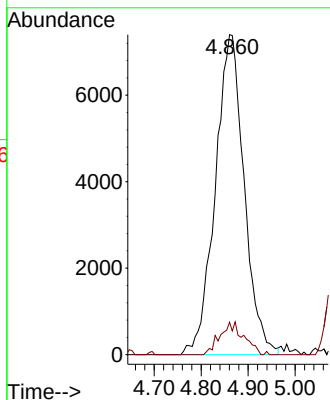
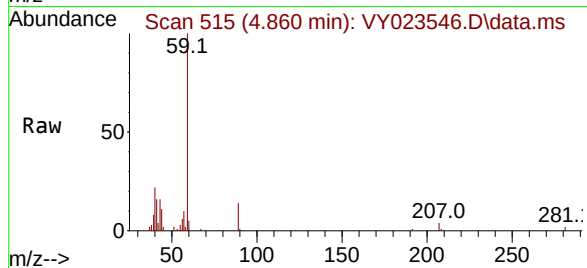
57 8.3 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#12

1,1-Dichloroethene

Concen: 19.887 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

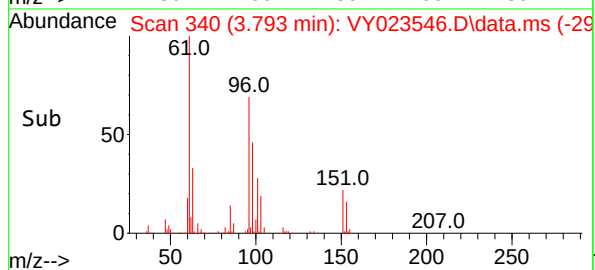
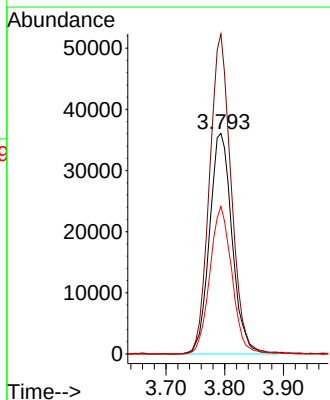
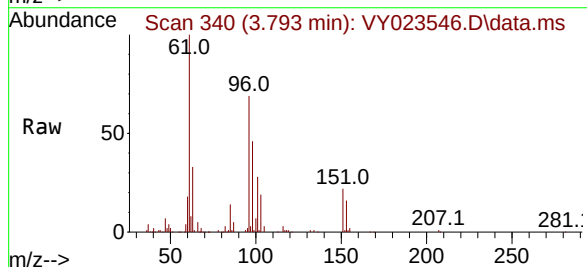
Tgt Ion: 96 Resp: 96256

Ion Ratio Lower Upper

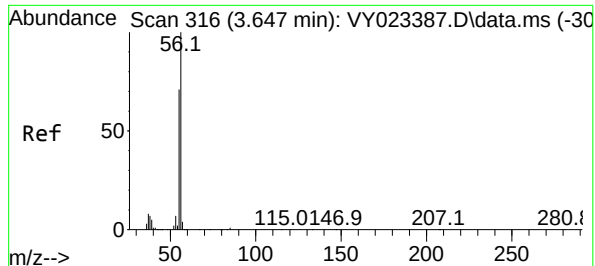
96 100

61 145.1 106.7 160.1

98 66.9 50.2 75.4

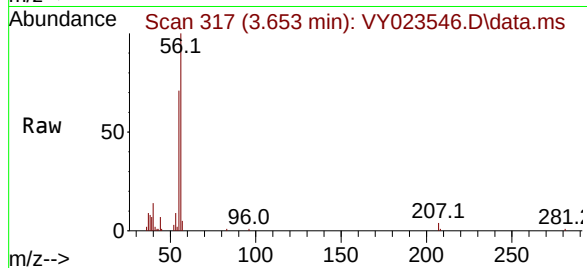






#13  
Acrolein  
Concen: 49.732 ug/l  
RT: 3.653 min Scan# 317  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

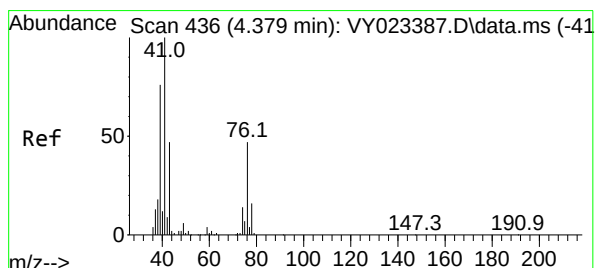
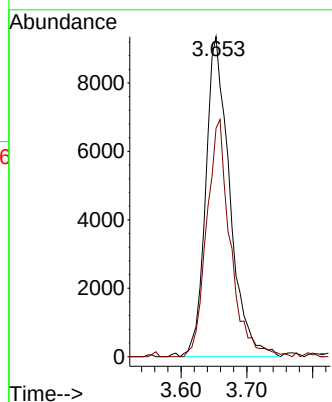
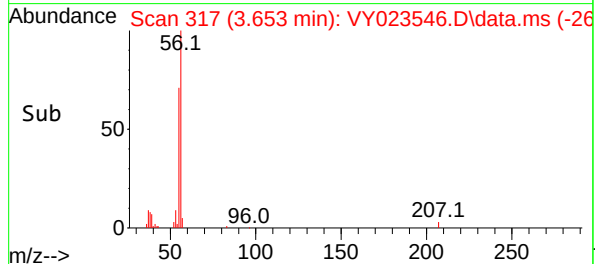
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



Tgt Ion: 56 Resp: 2372  
Ion Ratio Lower Upper  
56 100  
55 73.2 56.1 84.1

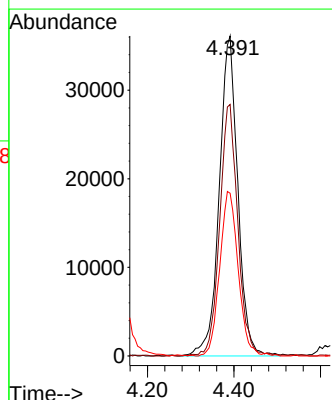
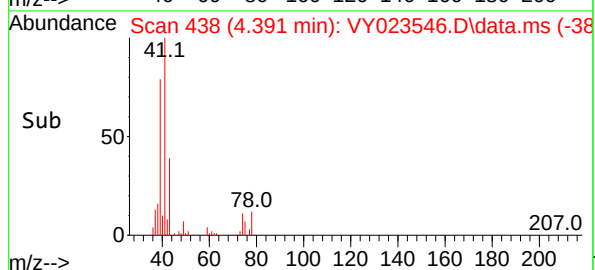
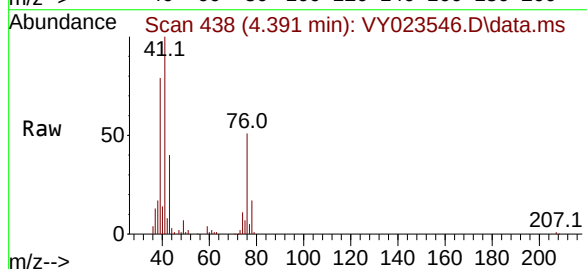
Manual Integrations  
APPROVED

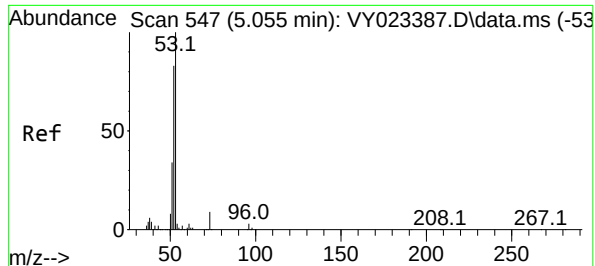
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#14  
Allyl chloride  
Concen: 18.269 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. 0.012 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

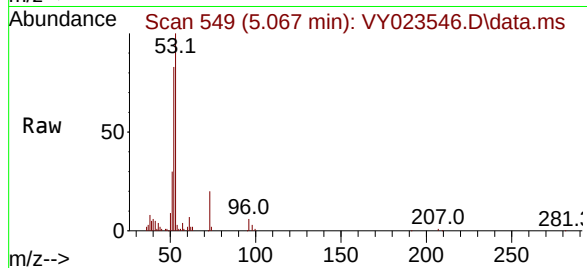
Tgt Ion: 41 Resp: 107766  
Ion Ratio Lower Upper  
41 100  
39 77.1 59.9 89.9  
76 51.0 38.0 57.0





#15  
Acrylonitrile  
Concen: 92.308 ug/l  
RT: 5.067 min Scan# 547  
Delta R.T. 0.012 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

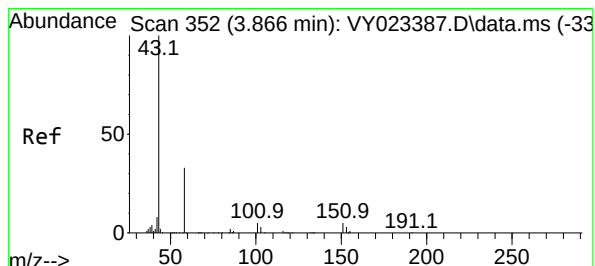
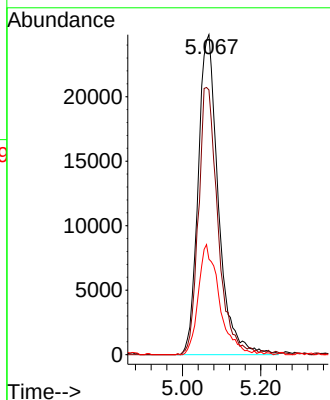
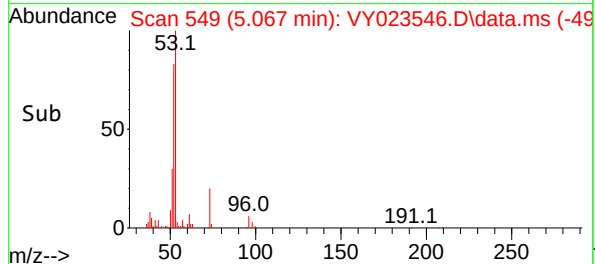
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



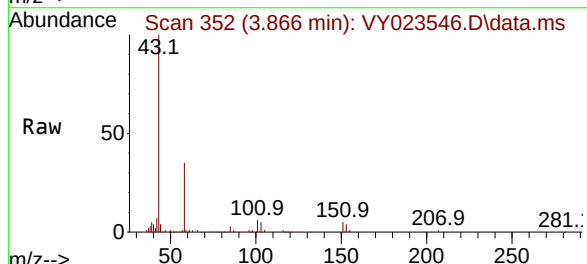
Tgt Ion: 53 Resp: 88820  
Ion Ratio Lower Upper  
53 100  
52 80.6 64.6 97.0  
51 36.1 29.5 44.3

Manual Integrations  
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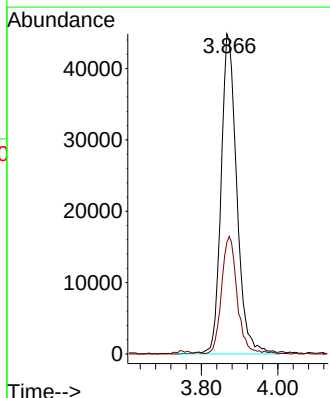
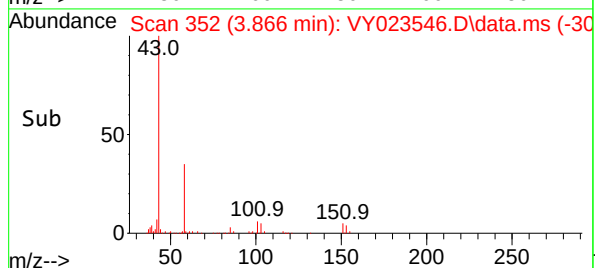
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

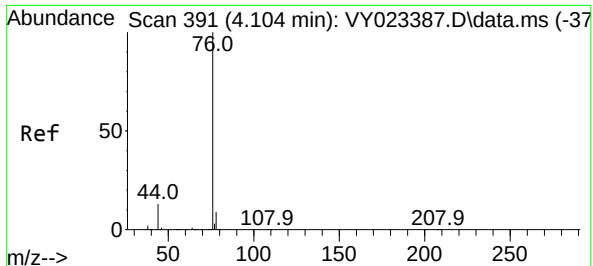


#16  
Acetone  
Concen: 118.706 ug/l  
RT: 3.866 min Scan# 352  
Delta R.T. -0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51



Tgt Ion: 43 Resp: 128229  
Ion Ratio Lower Upper  
43 100  
58 34.9 27.7 41.5





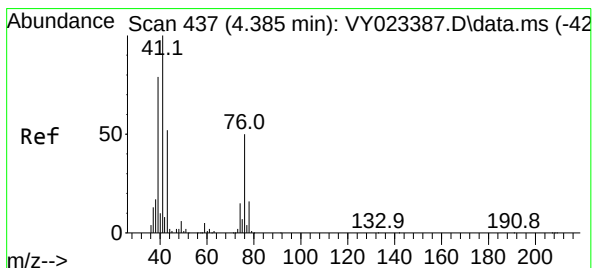
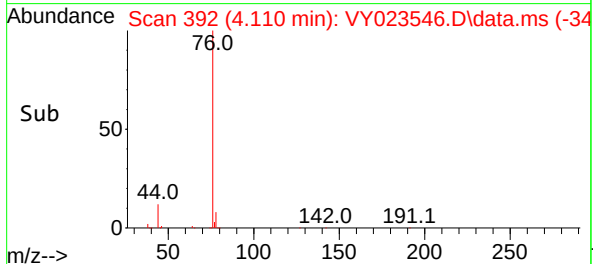
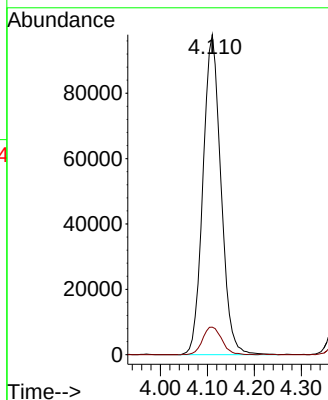
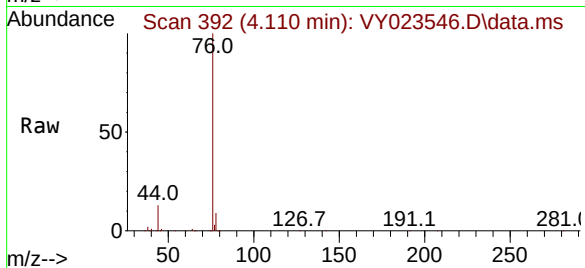
#17  
Carbon Disulfide  
Concen: 18.791 ug/l  
RT: 4.110 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01

Tgt Ion: 76 Resp: 26031  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.3 10.9

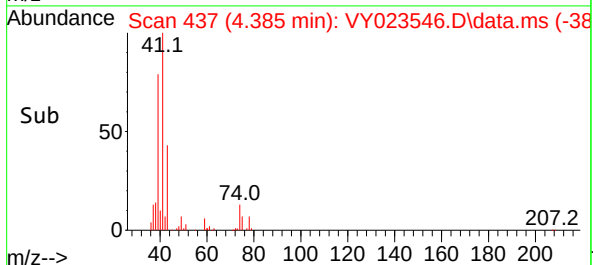
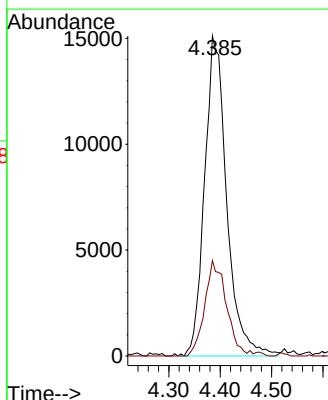
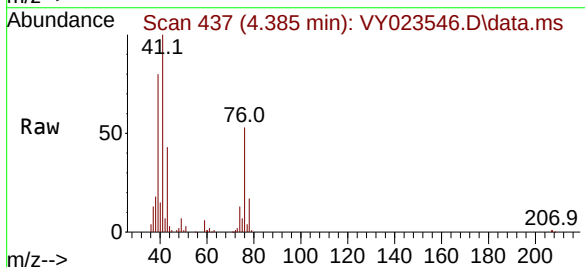
Manual Integrations  
APPROVED

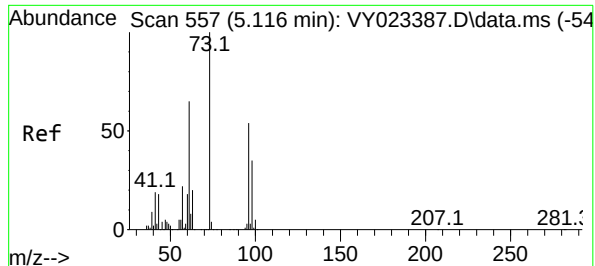
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#18  
Methyl Acetate  
Concen: 15.963 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Tgt Ion: 43 Resp: 45233  
Ion Ratio Lower Upper  
43 100  
74 29.6 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 19.290 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBSD01

Tgt Ion: 73 Resp: 224408

Ion Ratio Lower Upper

73 100

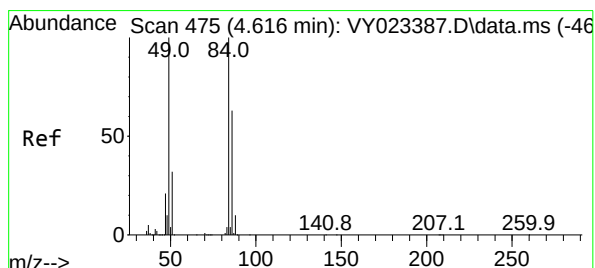
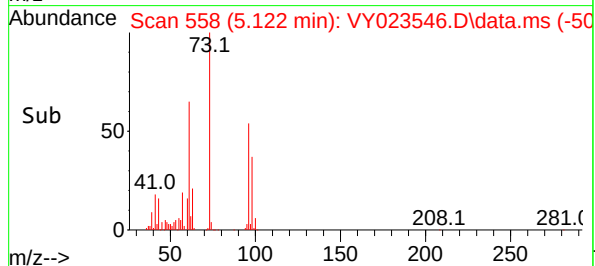
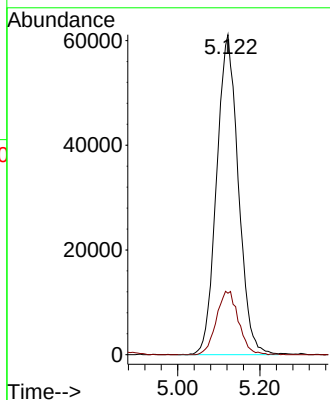
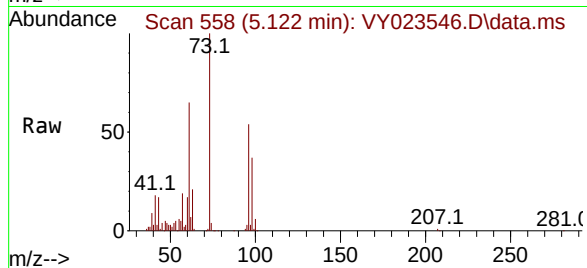
57 19.2 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#20

Methylene Chloride

Concen: 18.001 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Tgt Ion: 84 Resp: 105150

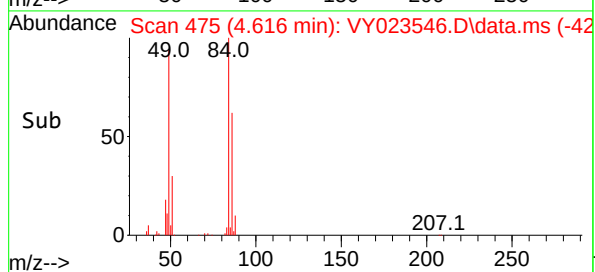
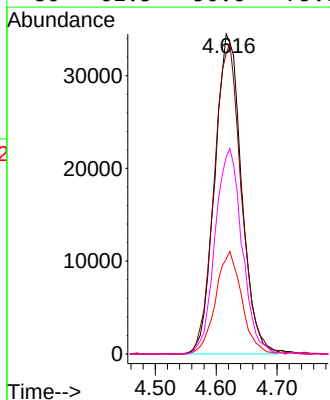
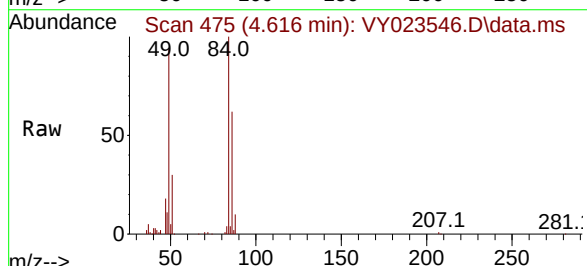
Ion Ratio Lower Upper

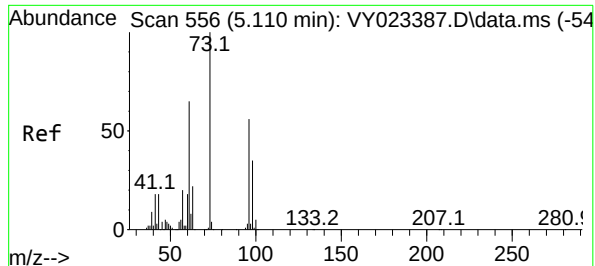
84 100

49 93.9 80.2 120.4

51 29.7 25.9 38.9

86 61.5 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 20.068 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023546.D

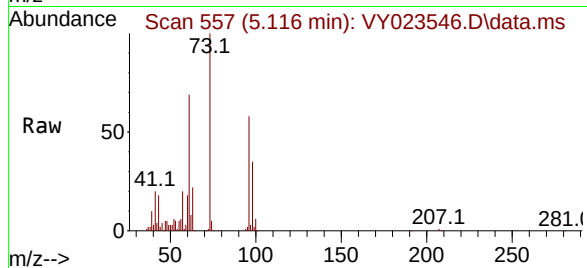
Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBSD01



Tgt Ion: 96 Resp: 10694

Ion Ratio Lower Upper

96 100

61 117.8 92.7 139.1

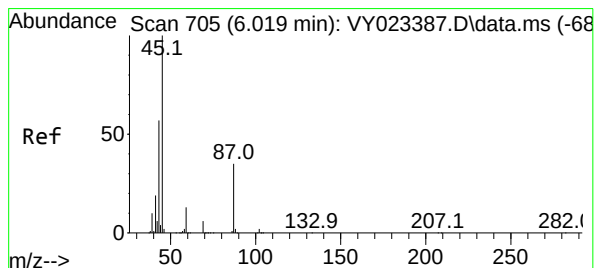
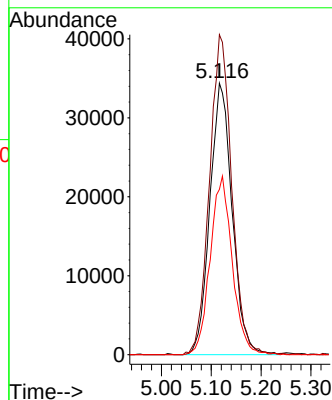
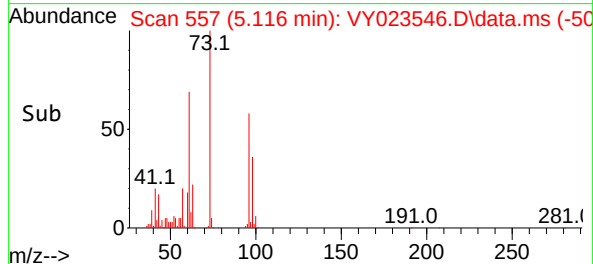
98 60.8 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#22

Diisopropyl ether

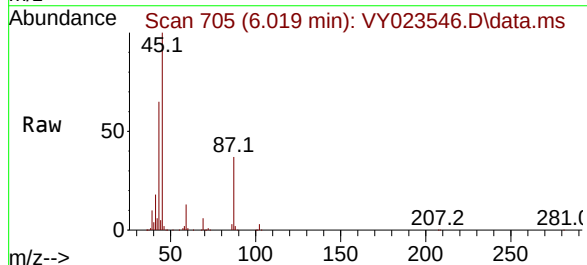
Concen: 19.167 ug/l

RT: 6.019 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51



Tgt Ion: 45 Resp: 250099

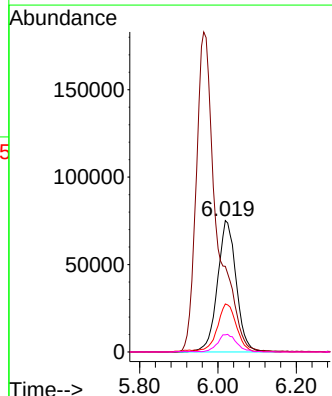
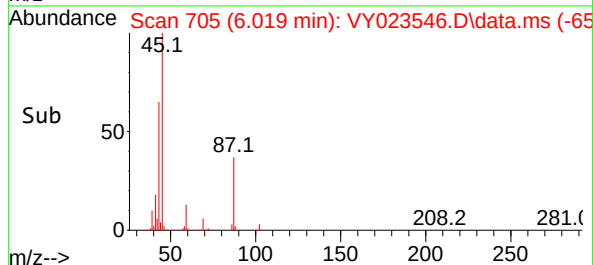
Ion Ratio Lower Upper

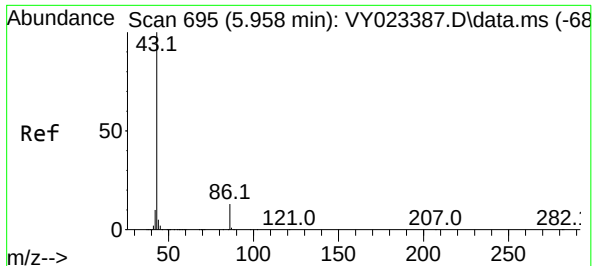
45 100

43 64.7 45.6 68.4

87 36.5 28.1 42.1

59 13.1 10.2 15.2





#23

Vinyl Acetate

Concen: 94.117 ug/l

RT: 5.964 min Scan# 696

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 43 Resp: 664719

Ion Ratio Lower Upper

43 100

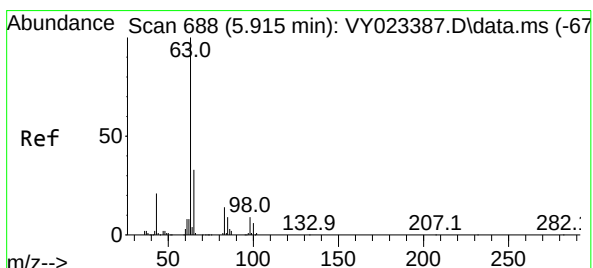
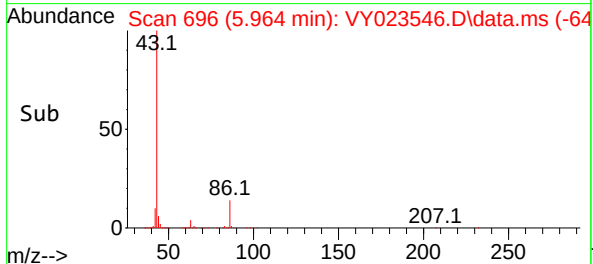
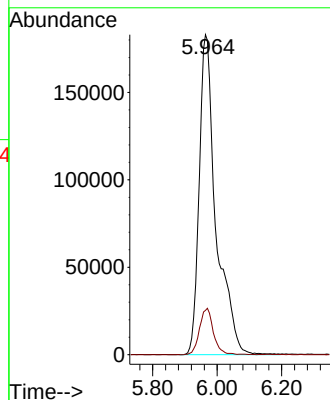
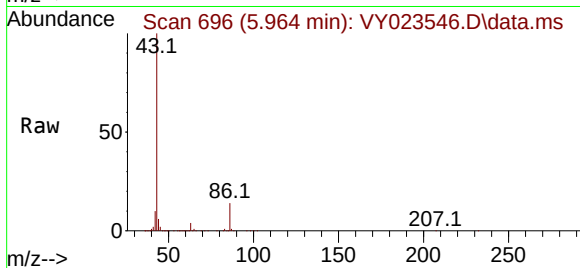
86 13.9 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#24

1,1-Dichloroethane

Concen: 19.899 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

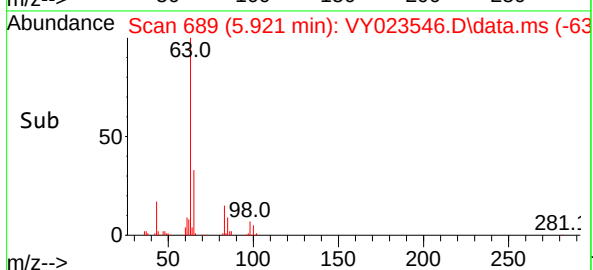
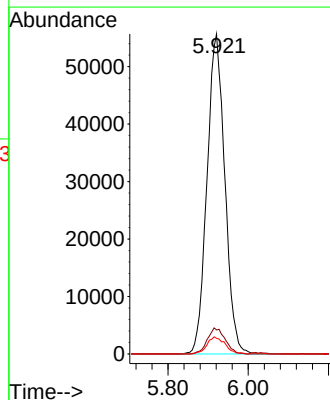
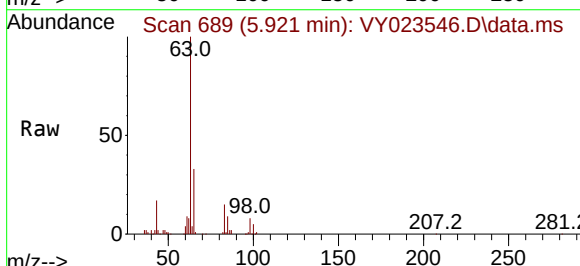
Tgt Ion: 63 Resp: 171993

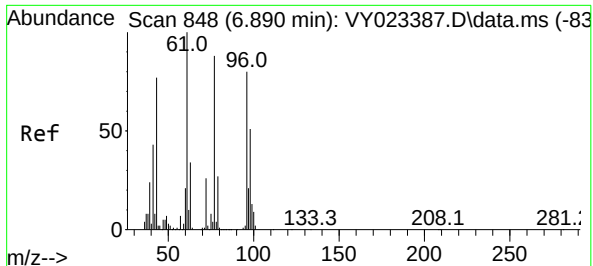
Ion Ratio Lower Upper

63 100

98 7.5 4.3 13.1

100 4.9 2.8 8.4





#25

2-Butanone

Concen: 105.202 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 43 Resp: 138738

Ion Ratio Lower Upper

43 100

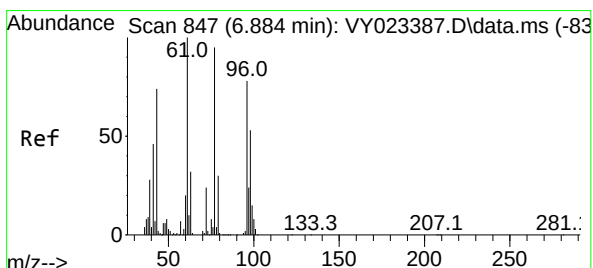
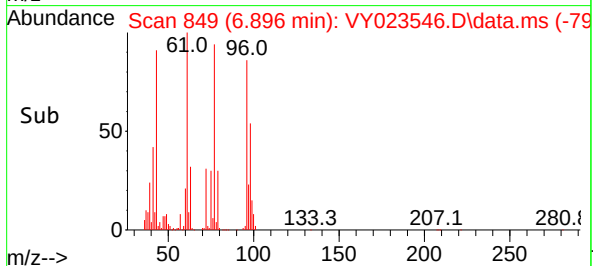
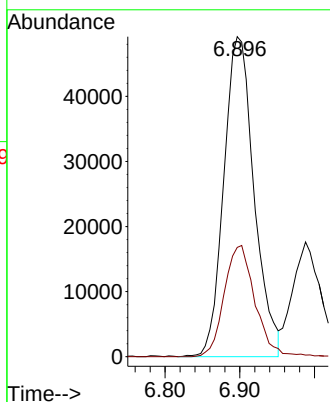
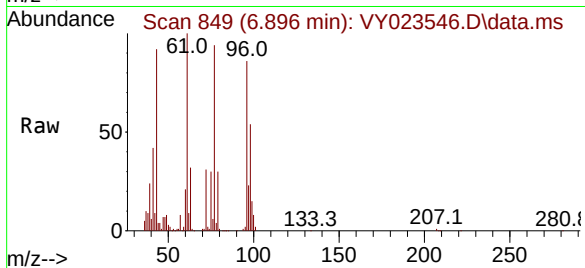
72 34.1 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#26

2,2-Dichloropropane

Concen: 20.311 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023546.D

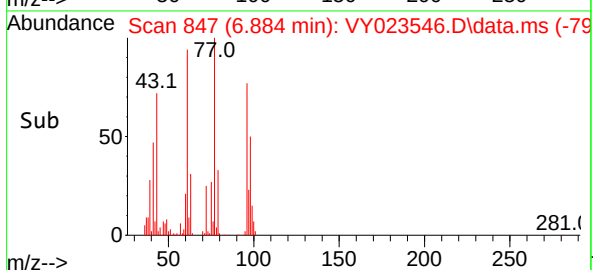
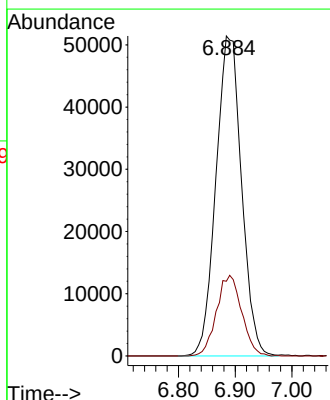
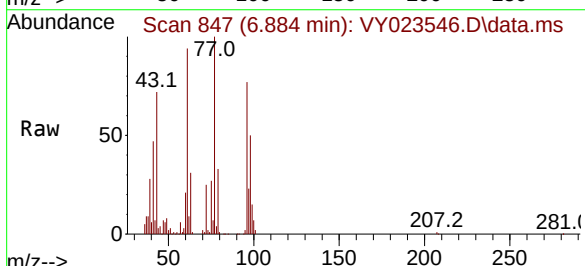
Acq: 22 Oct 2025 10:51

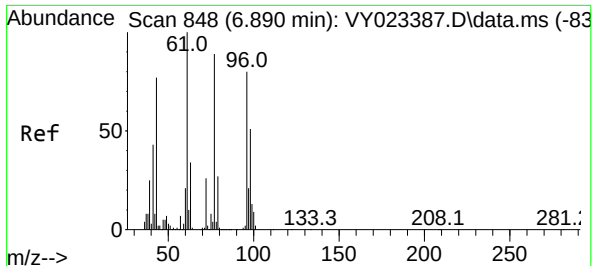
Tgt Ion: 77 Resp: 161087

Ion Ratio Lower Upper

77 100

97 24.8 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 20.693 ug/l

RT: 6.896 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 96 Resp: 127379

Ion Ratio Lower Upper

96 100

61 120.7 0.0 258.2

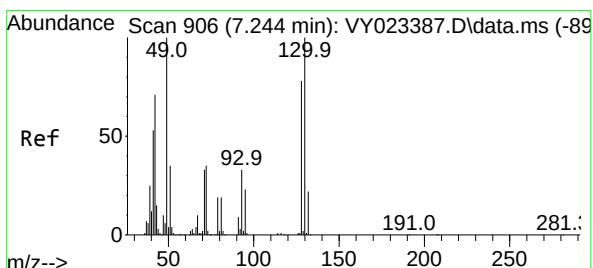
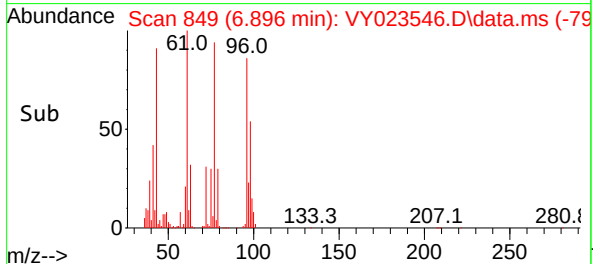
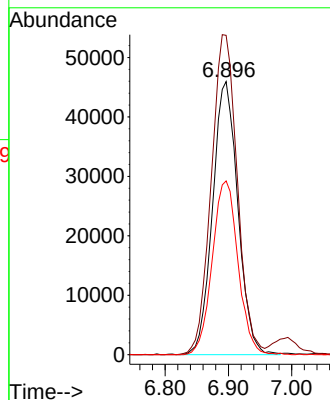
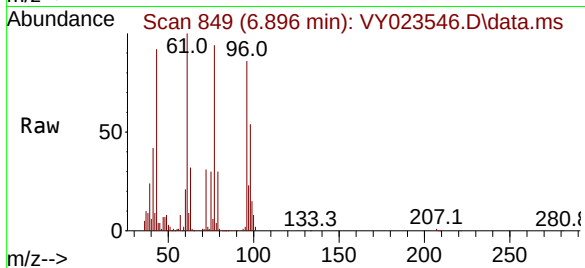
98 64.8 0.0 132.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#28

Bromochloromethane

Concen: 19.335 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

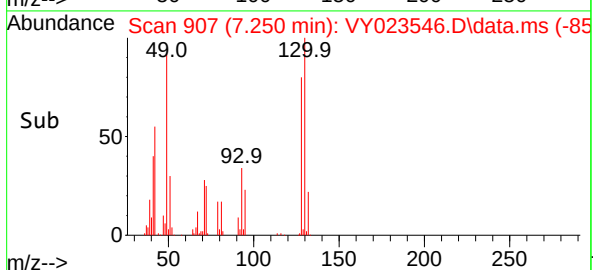
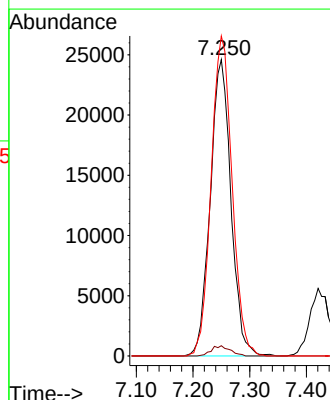
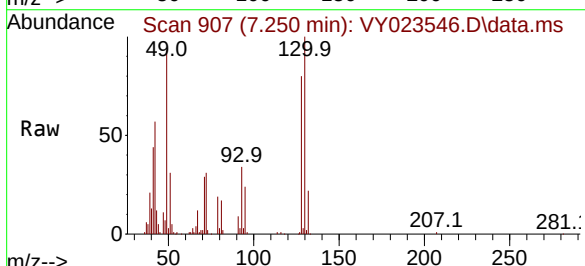
Tgt Ion: 49 Resp: 62387

Ion Ratio Lower Upper

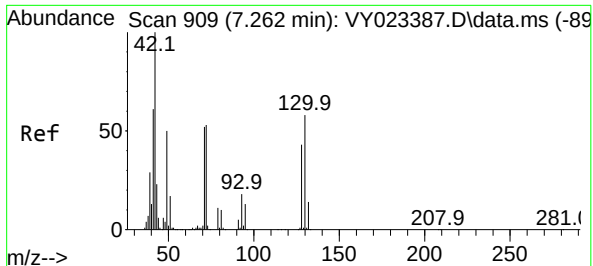
49 100

129 3.1 0.0 5.6

130 109.4 81.9 122.9







#29

Tetrahydrofuran

Concen: 84.474 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBSD01

Tgt Ion: 42 Resp: 6317

Ion Ratio Lower Upper

42 100

72 58.1 43.0 64.6

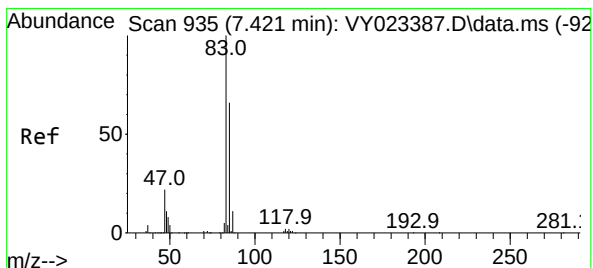
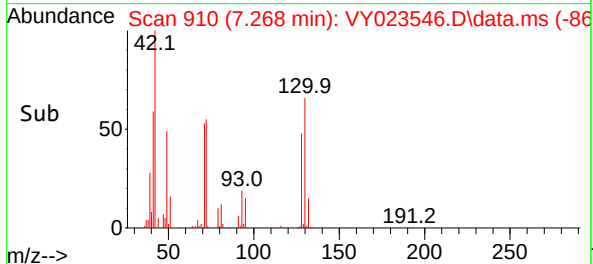
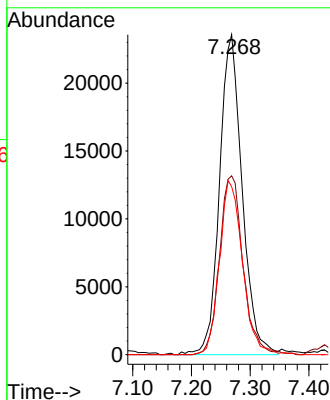
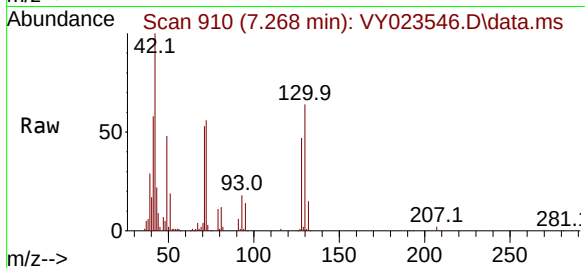
71 55.5 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#30

Chloroform

Concen: 20.573 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY023546.D

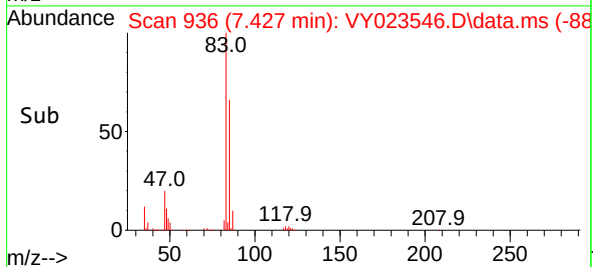
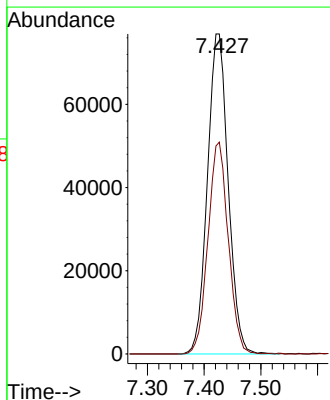
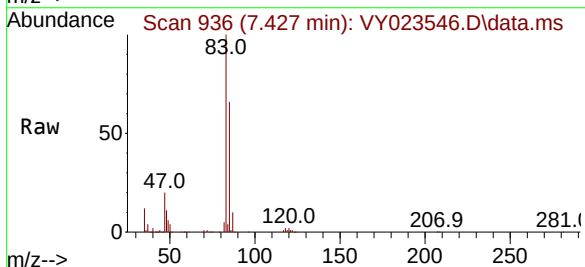
Acq: 22 Oct 2025 10:51

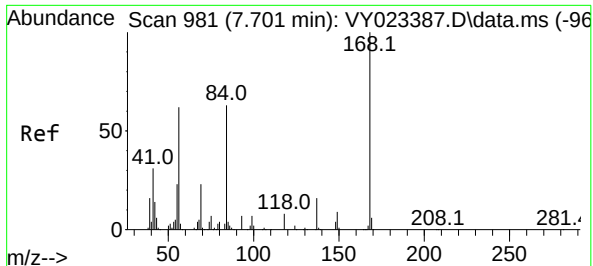
Tgt Ion: 83 Resp: 195371

Ion Ratio Lower Upper

83 100

85 66.2 52.5 78.7





#31

Cyclohexane

Concen: 18.508 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 56 Resp: 139704

Ion Ratio Lower Upper

56 100

69 43.4 30.0 45.0

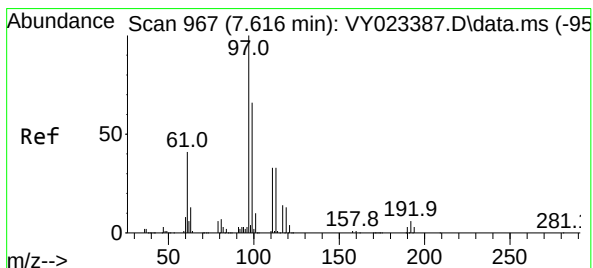
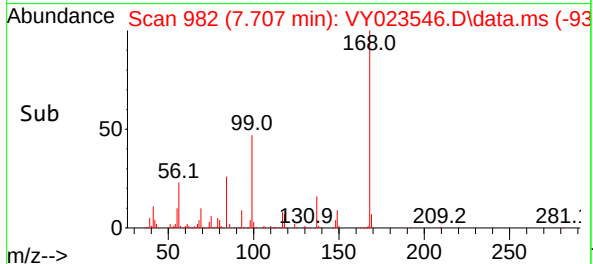
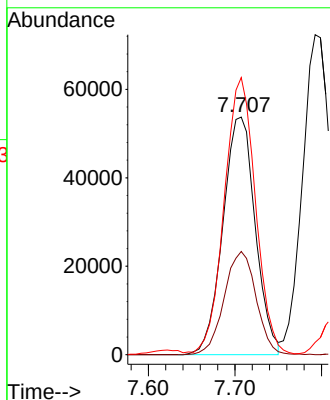
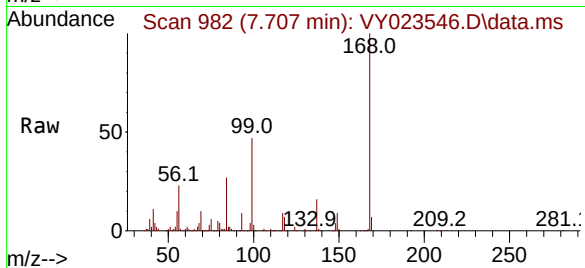
84 114.9 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#32

1,1,1-Trichloroethane

Concen: 20.674 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

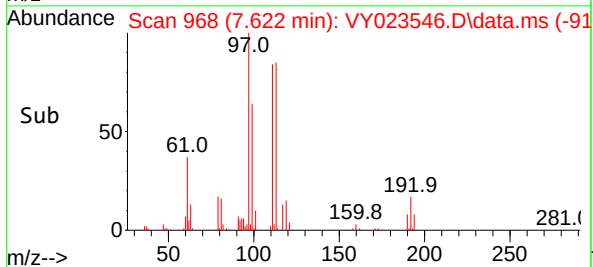
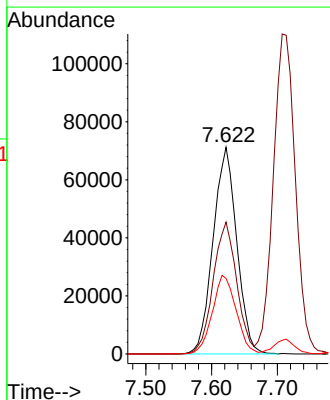
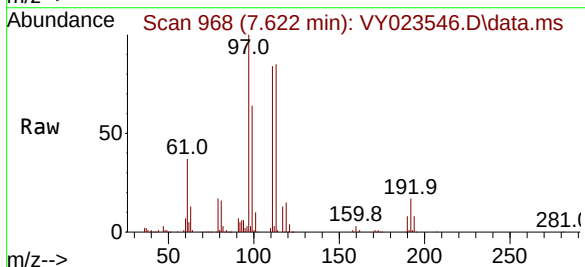
Tgt Ion: 97 Resp: 178412

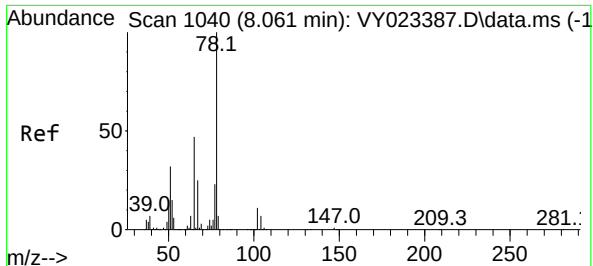
Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.2

61 38.2 31.9 47.9





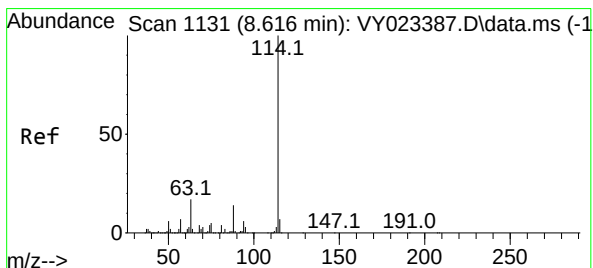
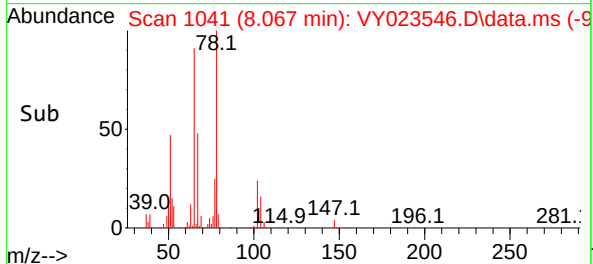
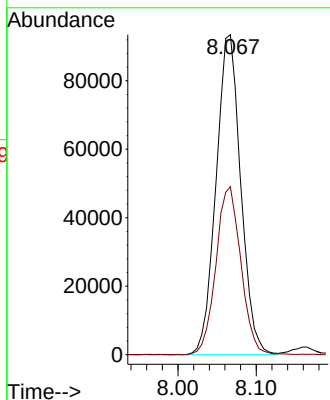
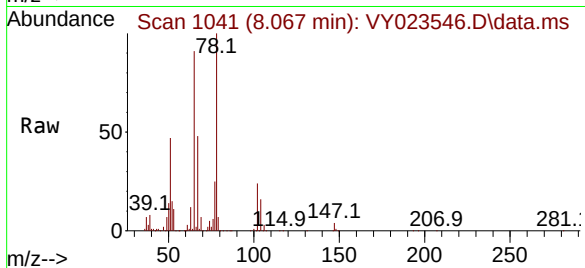
#33  
1,2-Dichloroethane-d4  
Concen: 45.137 ug/l  
RT: 8.067 min Scan# 1040  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01

Tgt Ion: 65 Resp: 204800  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 105.8

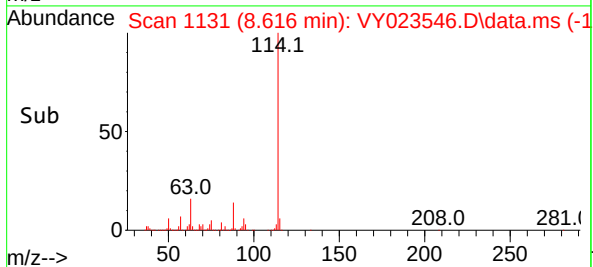
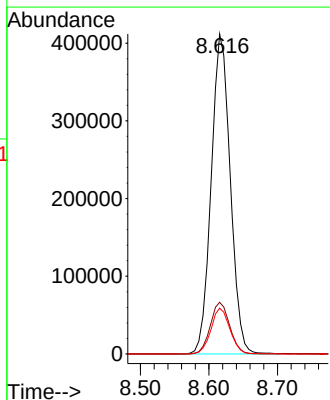
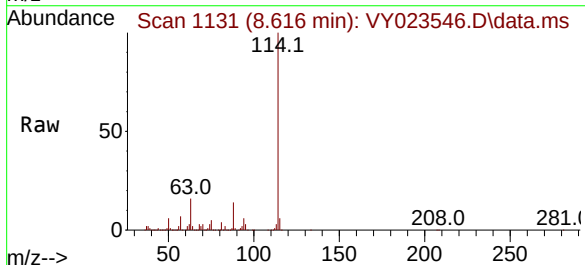
Manual Integrations  
APPROVED

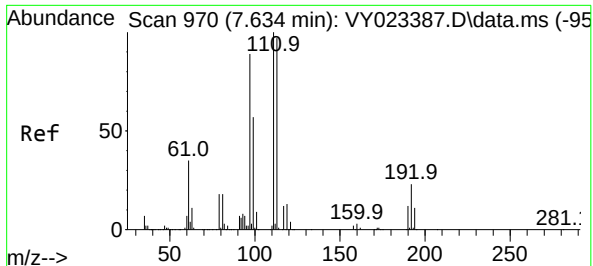
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Tgt Ion:114 Resp: 794200  
Ion Ratio Lower Upper  
114 100  
63 16.2 0.0 34.2  
88 14.3 0.0 28.4





#35

Dibromofluoromethane

Concen: 49.334 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBSD01

Tgt Ion:113 Resp: 24074

Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.6

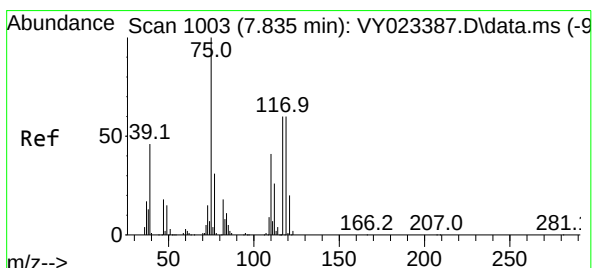
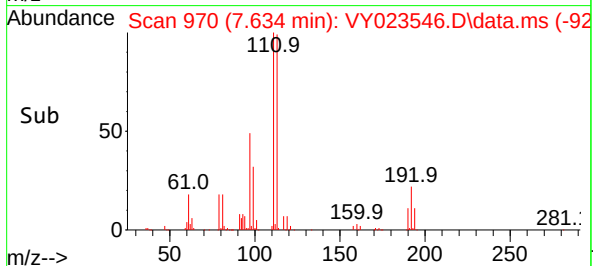
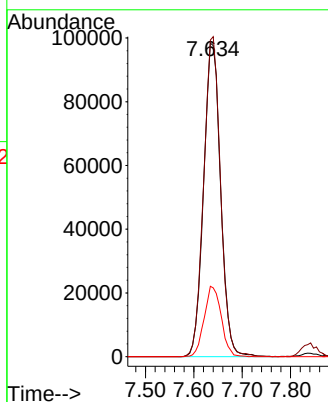
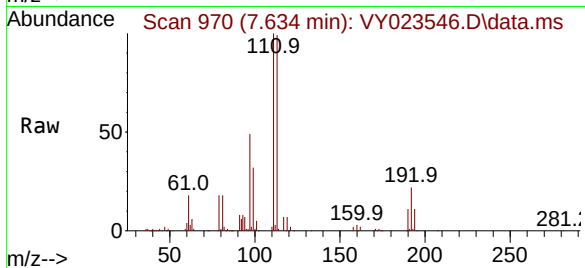
192 22.5 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#36

1,1-Dichloropropene

Concen: 20.530 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

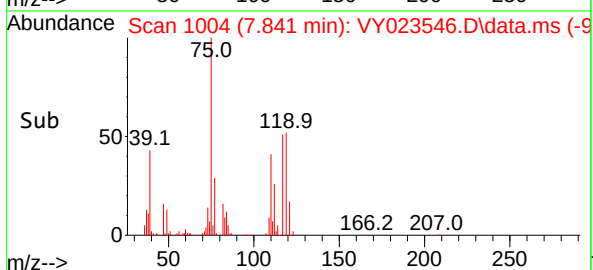
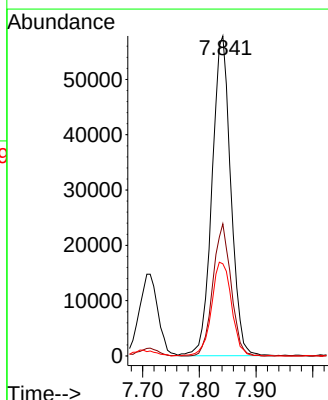
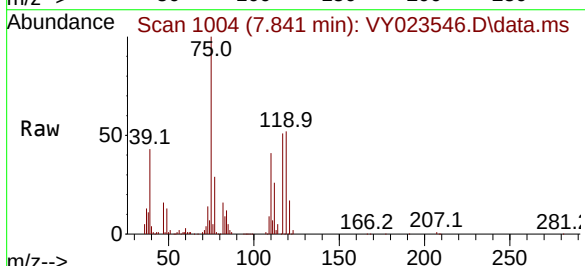
Tgt Ion: 75 Resp: 132638

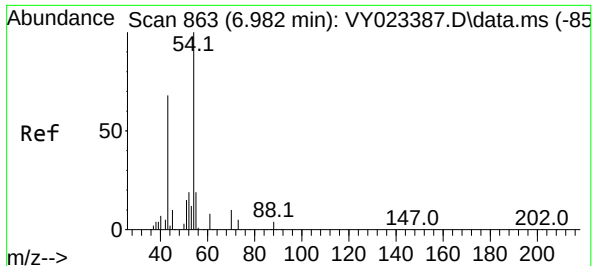
Ion Ratio Lower Upper

75 100

110 39.9 19.9 59.7

77 31.4 25.0 37.6





#37

Ethyl Acetate

Concen: 18.907 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

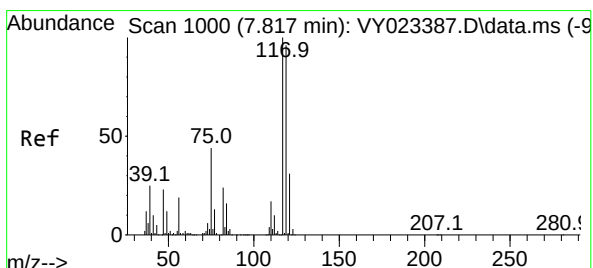
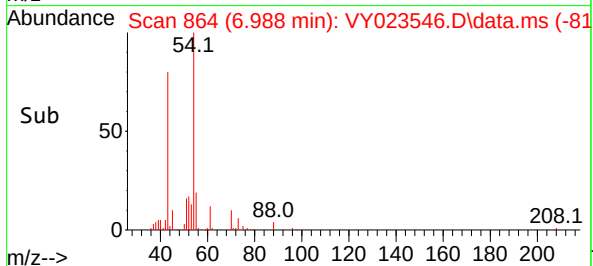
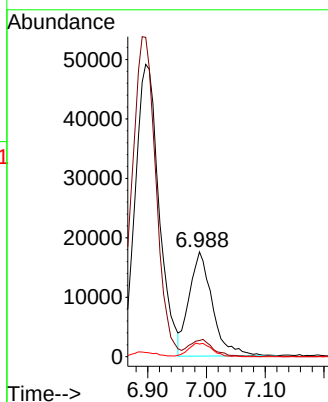
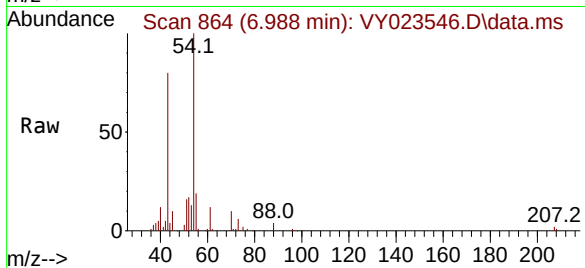
VY1022SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4839  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 16.0  | 11.8  | 17.8  |
| 70       | 13.0  | 10.5  | 15.7  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#38

Carbon Tetrachloride

Concen: 20.489 ug/l

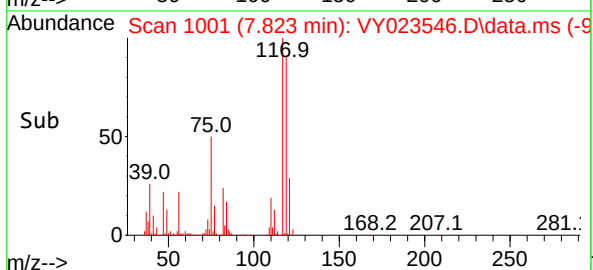
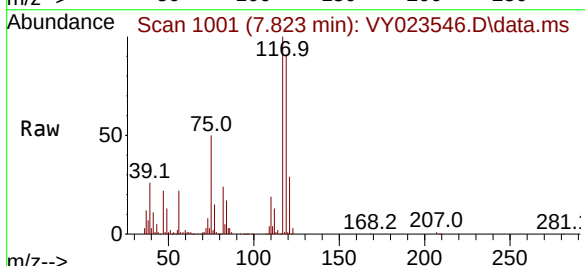
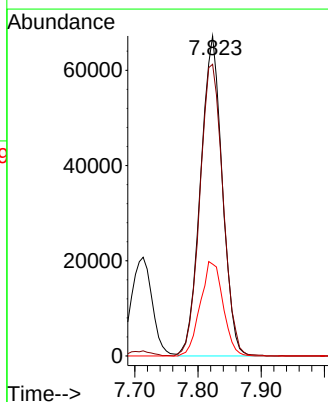
RT: 7.823 min Scan# 1001

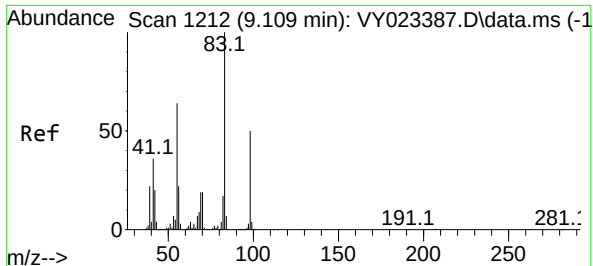
Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 160505 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 91.1  | 76.8  | 115.2  |
| 121      | 28.7  | 24.5  | 36.7   |





#39

Methylcyclohexane

Concen: 19.972 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBSD01

Tgt Ion: 83 Resp: 16800

Ion Ratio Lower Upper

83 100

55 64.0 51.4 77.2

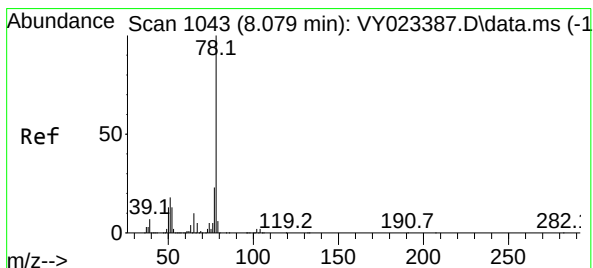
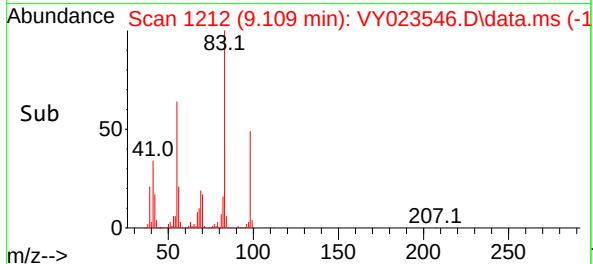
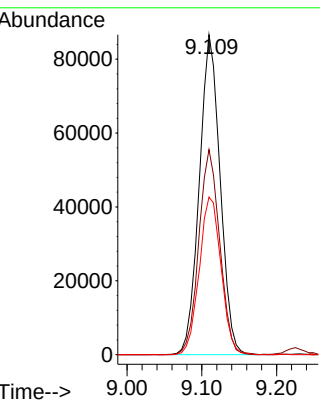
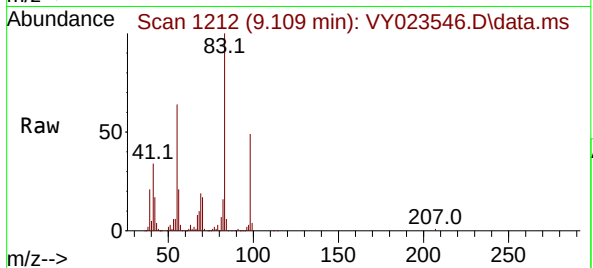
98 49.2 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#40

Benzene

Concen: 20.677 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY023546.D

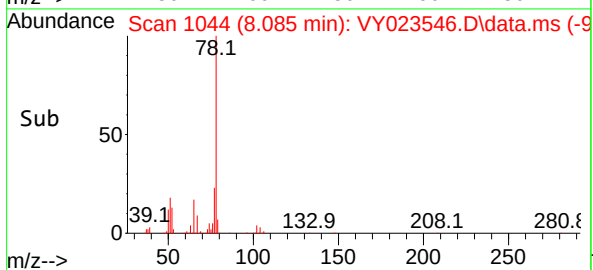
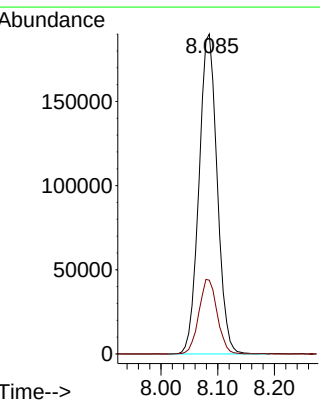
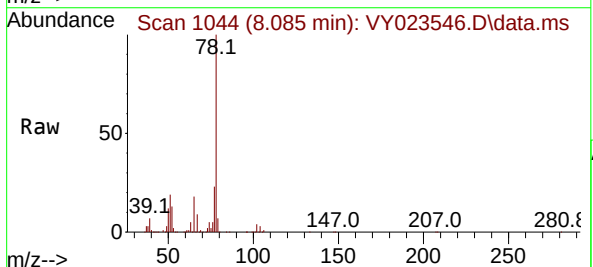
Acq: 22 Oct 2025 10:51

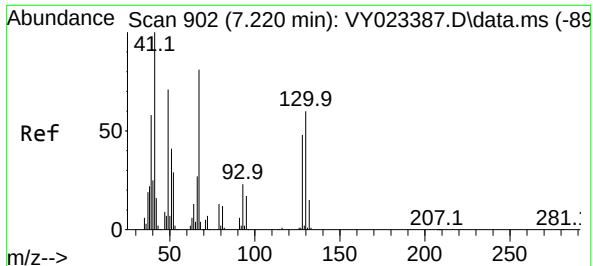
Tgt Ion: 78 Resp: 423056

Ion Ratio Lower Upper

78 100

77 23.0 18.3 27.5





#41

Methacrylonitrile

Concen: 16.996 ug/l

RT: 7.220 min Scan# 902

Delta R.T. 0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBSD01

Tgt Ion: 41 Resp: 2352

Ion Ratio Lower Upper

41 100

39 52.8 52.2 78.4

67 105.4 74.9 112.3

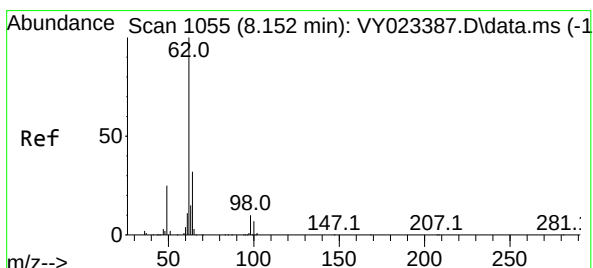
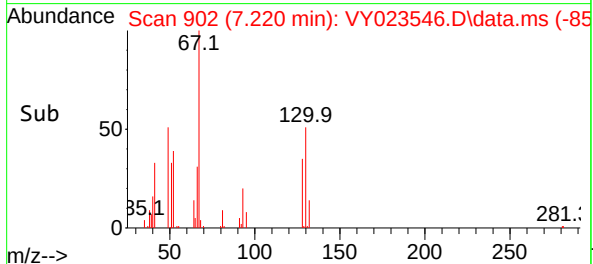
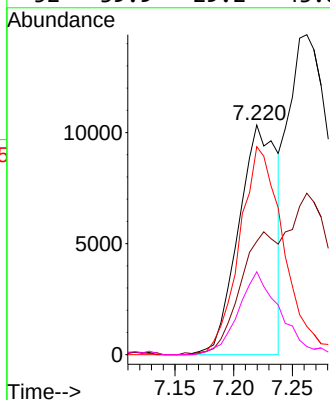
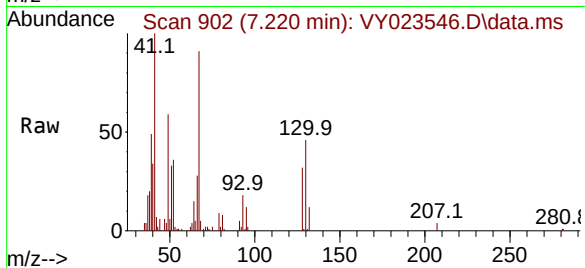
52 39.9 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#42

1,2-Dichloroethane

Concen: 19.387 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VY023546.D

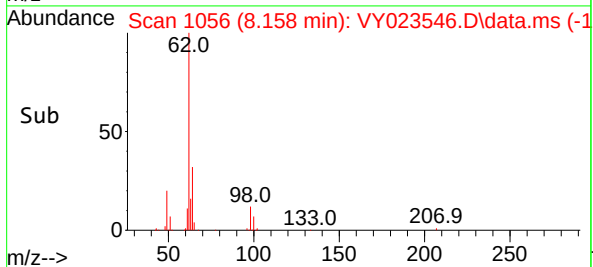
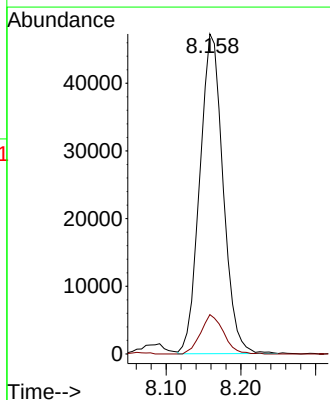
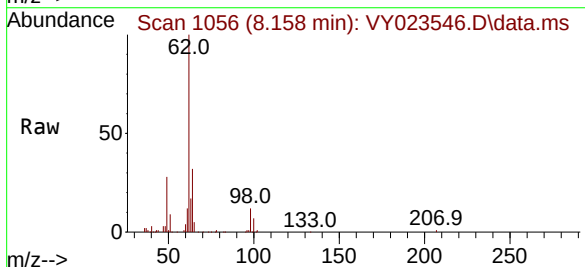
Acq: 22 Oct 2025 10:51

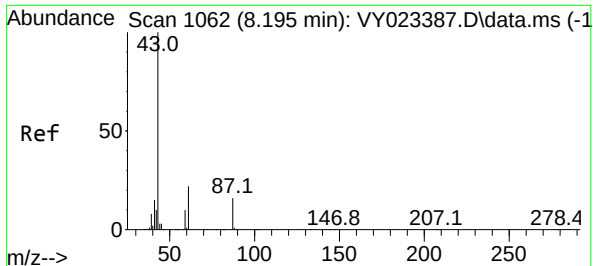
Tgt Ion: 62 Resp: 102298

Ion Ratio Lower Upper

62 100

98 12.1 0.0 21.6





#43

Isopropyl Acetate

Concen: 18.046 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

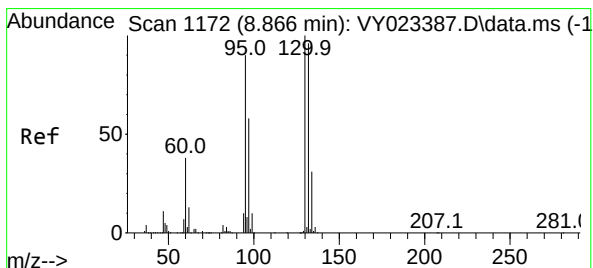
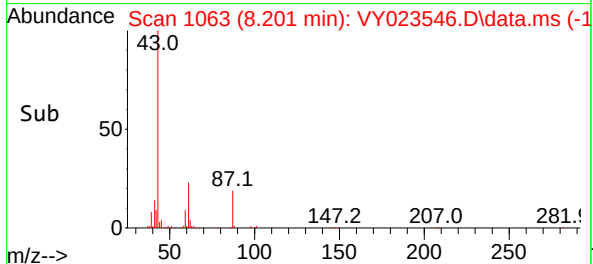
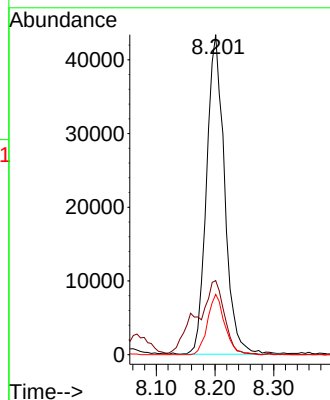
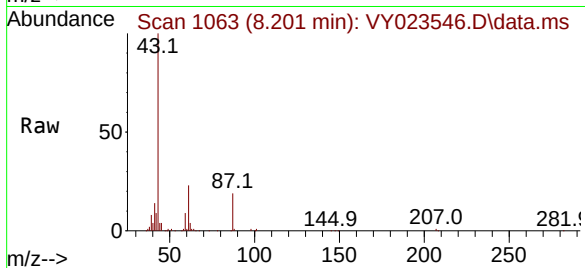
VY1022SBS01

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 9210  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 23.3     | 18.1 27.1   |
| 87 18.2     | 13.5 20.3   |

**Manual Integrations**  
**APPROVED**

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#44

Trichloroethene

Concen: 21.155 ug/l

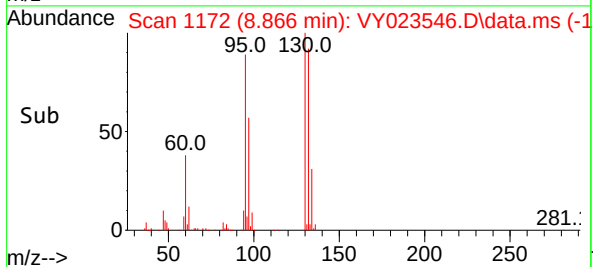
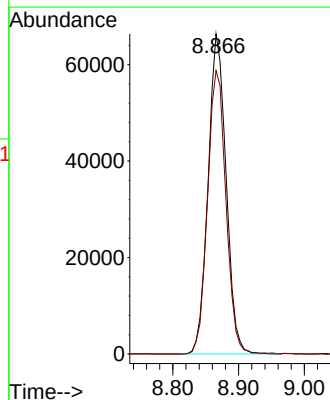
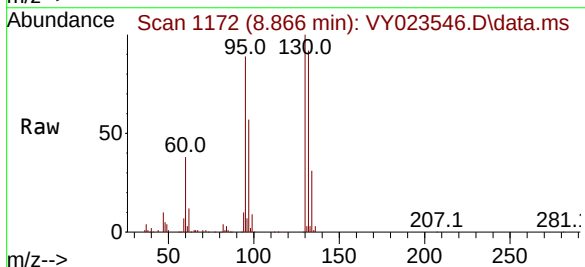
RT: 8.866 min Scan# 1172

Delta R.T. -0.000 min

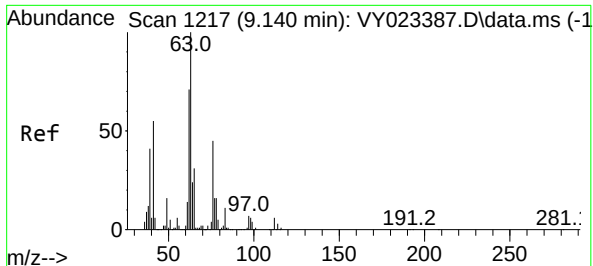
Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

|             |              |
|-------------|--------------|
| Tgt Ion:130 | Resp: 126688 |
| Ion Ratio   | Lower Upper  |
| 130 100     |              |
| 95 88.6     | 0.0 180.6    |







#45

1,2-Dichloropropane

Concen: 20.314 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBSD01

Tgt Ion: 63 Resp: 9180

Ion Ratio Lower Upper

63 100

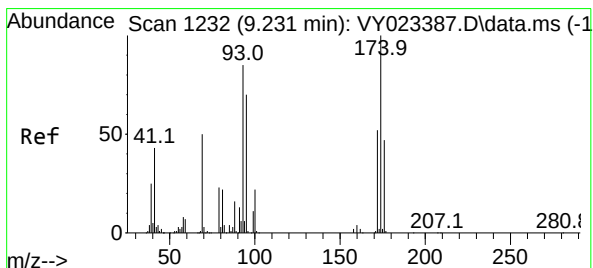
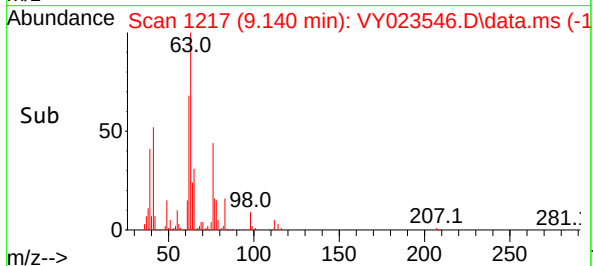
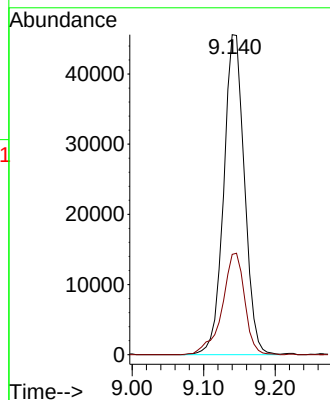
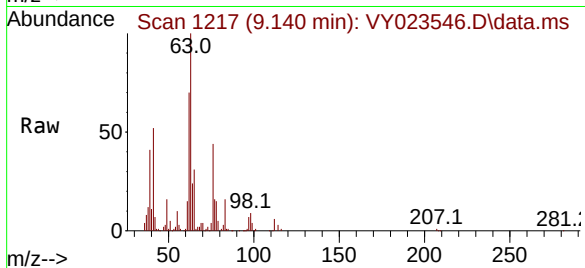
65 31.3 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#46

Dibromomethane

Concen: 19.927 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

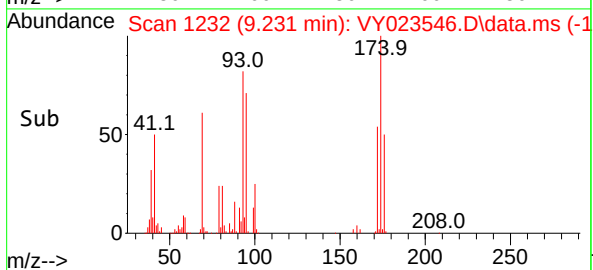
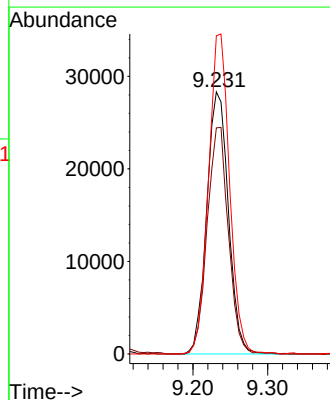
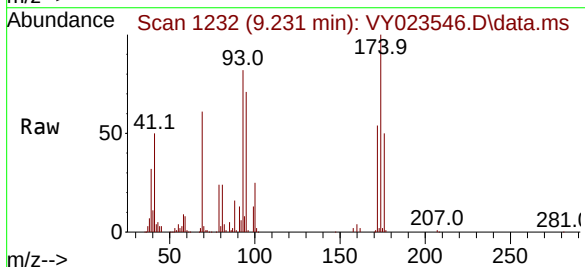
Tgt Ion: 93 Resp: 56943

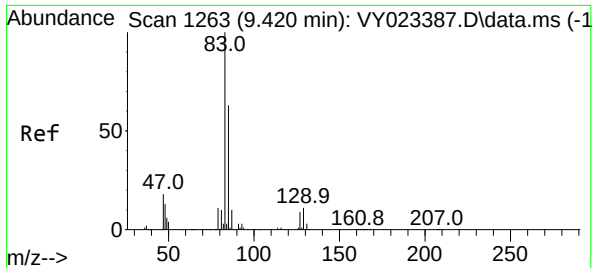
Ion Ratio Lower Upper

93 100

95 84.9 65.4 98.0

174 119.2 92.9 139.3





#47

Bromodichloromethane

Concen: 20.710 ug/l

RT: 9.426 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBSD01

Tgt Ion: 83 Resp: 14904

Ion Ratio Lower Upper

83 100

85 65.6 50.8 76.2

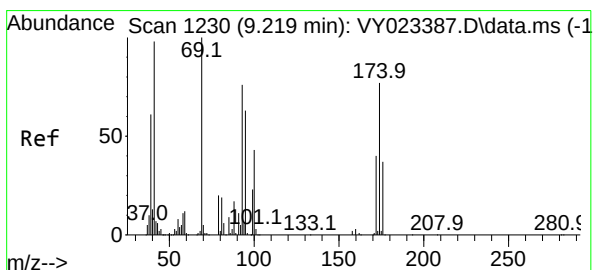
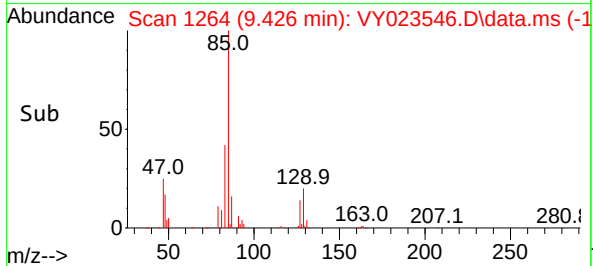
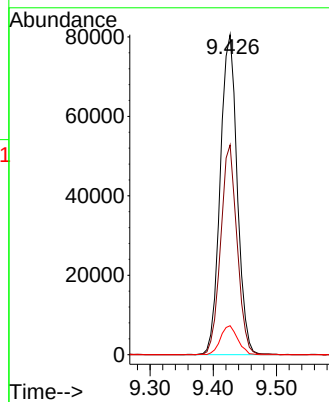
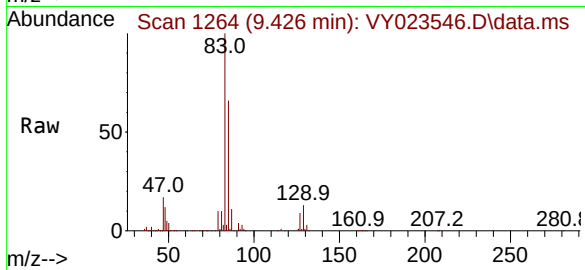
127 9.1 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#48

Methyl methacrylate

Concen: 17.463 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

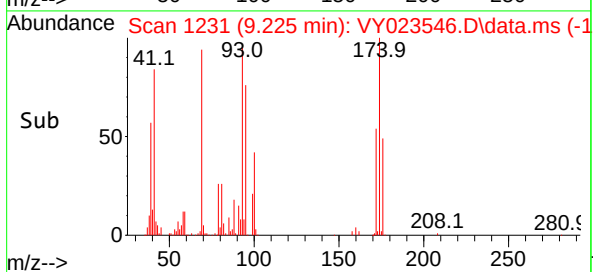
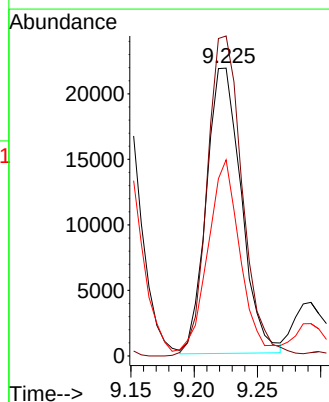
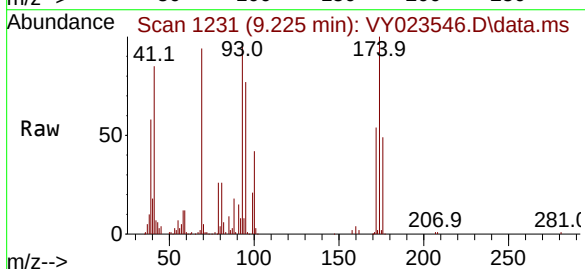
Tgt Ion: 41 Resp: 41870

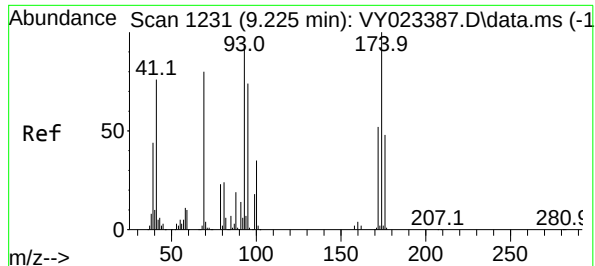
Ion Ratio Lower Upper

41 100

69 112.3 81.0 121.4

39 60.8 48.2 72.4





#49

1,4-Dioxane

Concen: 372.543 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 88 Resp: 1234

Ion Ratio Lower Upper

88 100

43 26.7 21.8 32.8

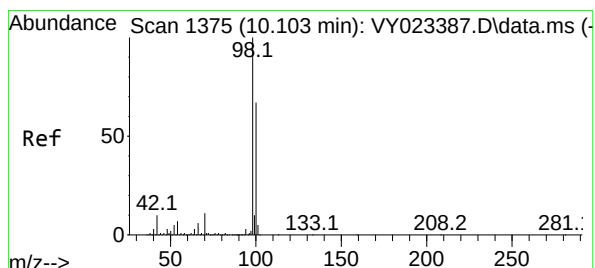
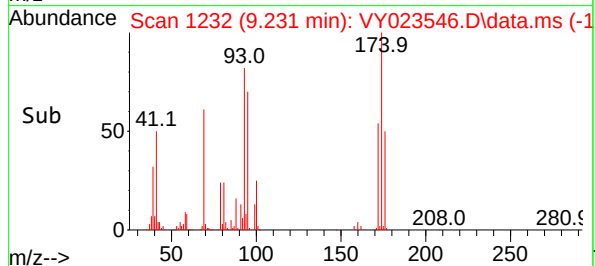
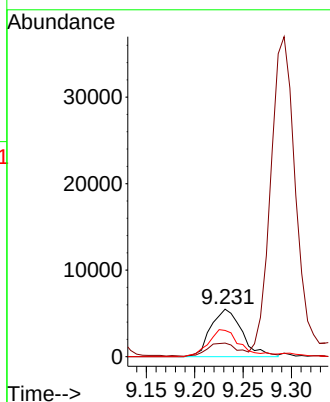
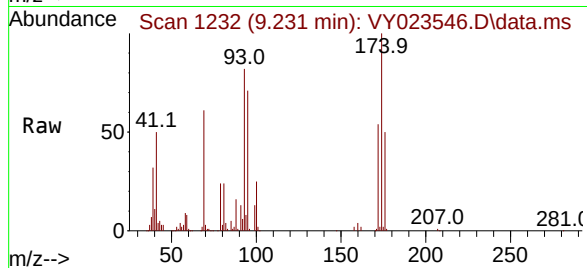
58 56.9 46.8 70.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#50

Toluene-d8

Concen: 48.611 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023546.D

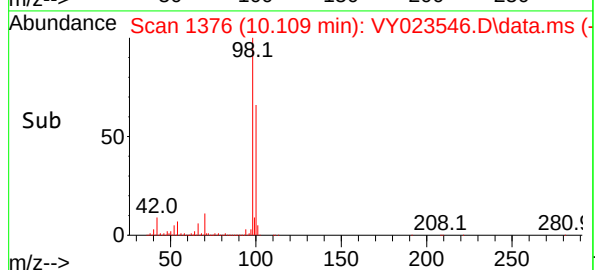
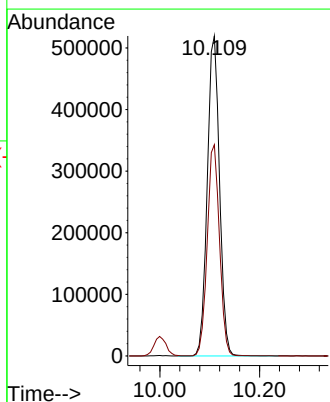
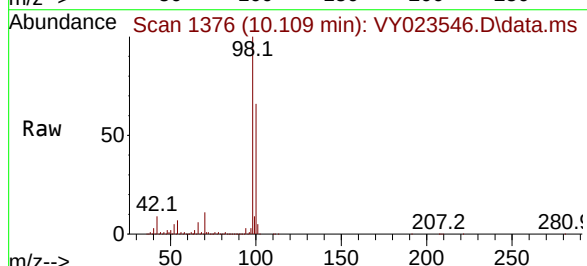
Acq: 22 Oct 2025 10:51

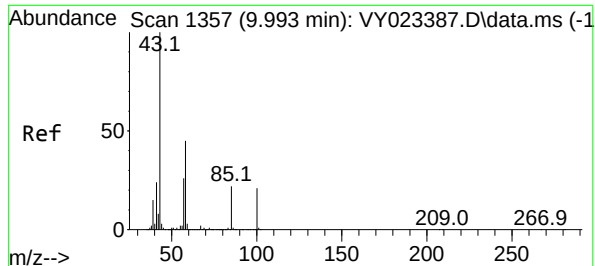
Tgt Ion: 98 Resp: 883426

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.4





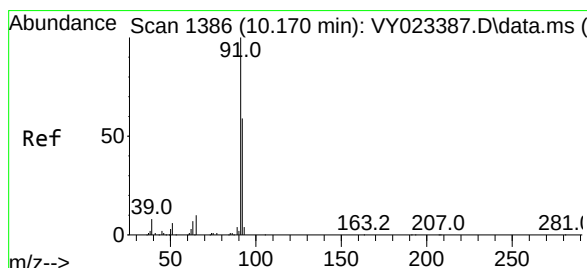
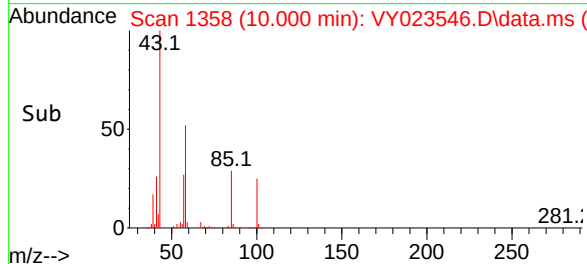
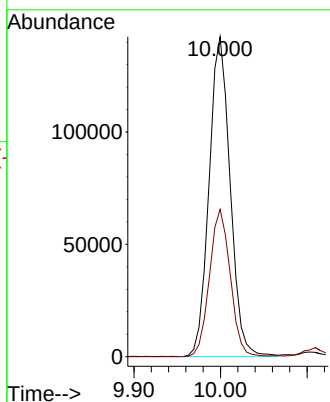
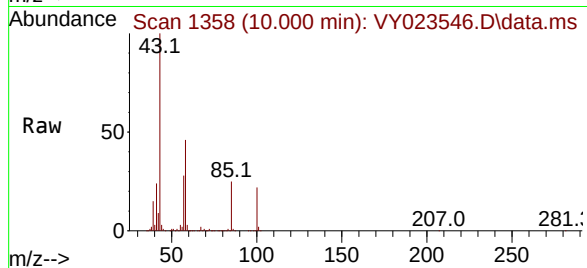
#51  
4-Methyl-2-Pentanone  
Concen: 91.359 ug/l  
RT: 10.000 min Scan# 1357  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01

Tgt Ion: 43 Resp: 240908  
Ion Ratio Lower Upper  
43 100  
58 45.5 35.3 52.9

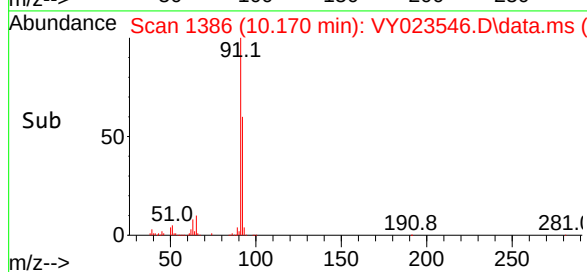
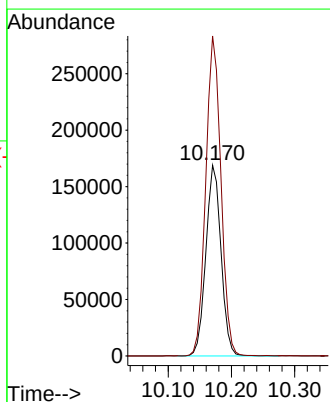
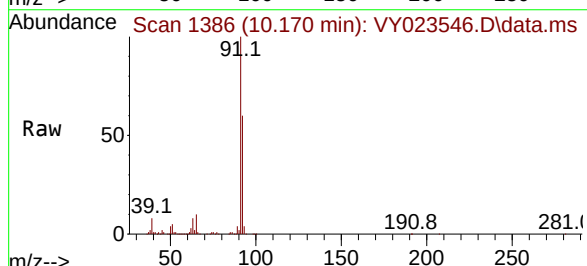
Manual Integrations  
APPROVED

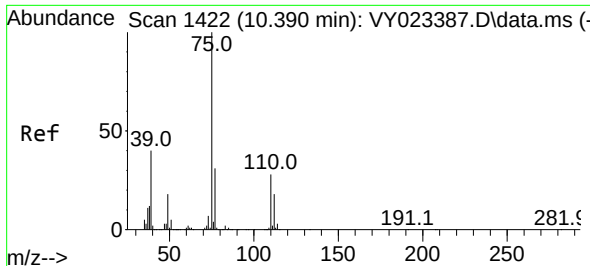
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#52  
Toluene  
Concen: 21.186 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

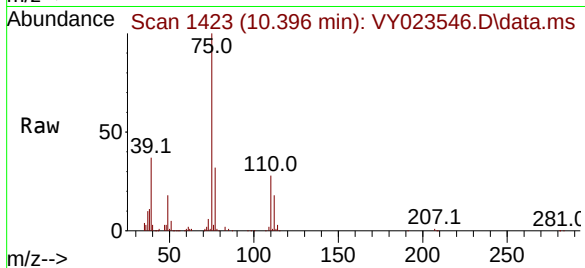
Tgt Ion: 92 Resp: 281449  
Ion Ratio Lower Upper  
92 100  
91 168.1 136.4 204.6





#53  
t-1,3-Dichloropropene  
Concen: 20.087 ug/l  
RT: 10.396 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

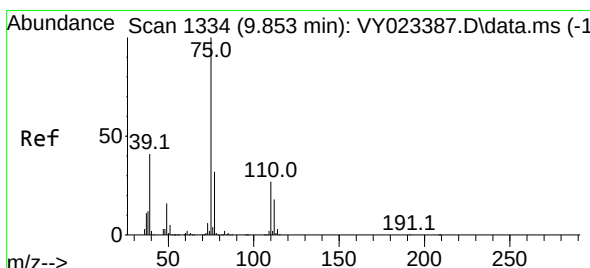
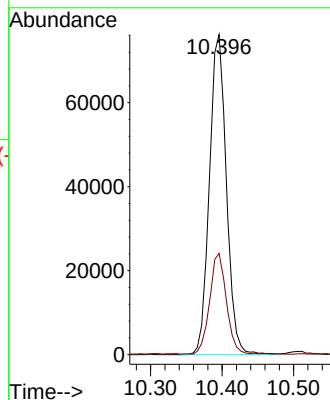
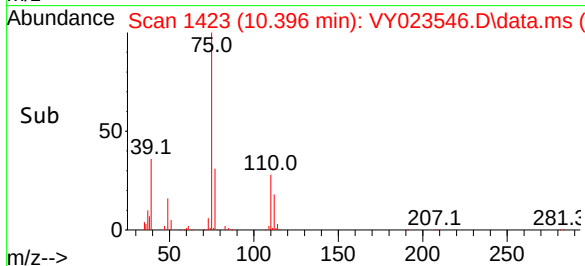
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



Tgt Ion: 75 Resp: 125699  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.1 37.7

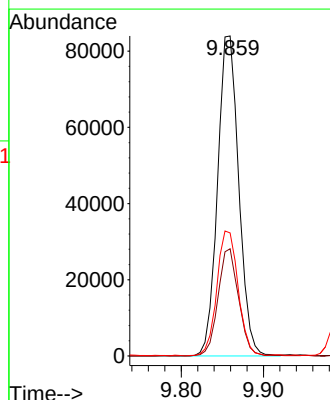
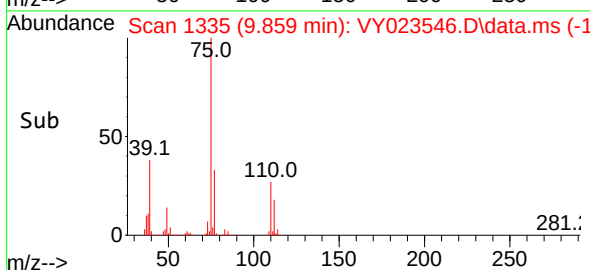
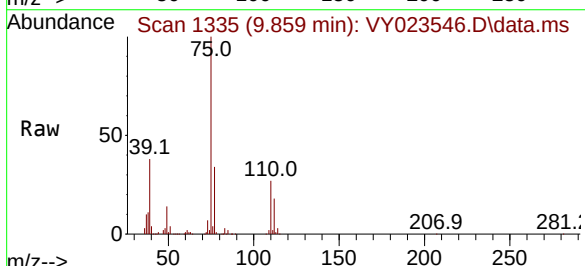
Manual Integrations  
APPROVED

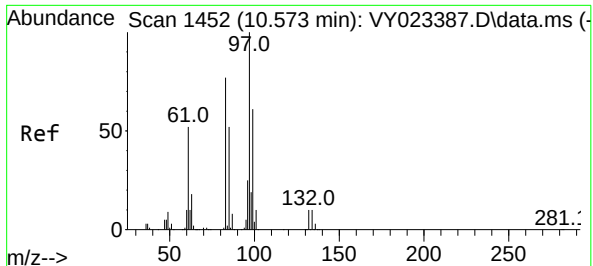
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#54  
cis-1,3-Dichloropropene  
Concen: 20.389 ug/l  
RT: 9.859 min Scan# 1335  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

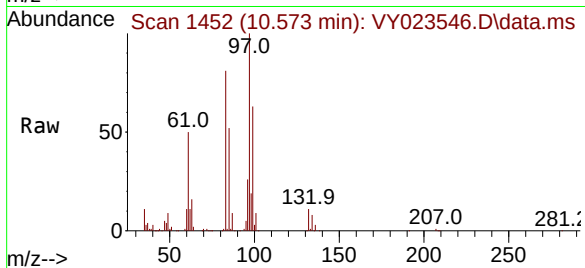
Tgt Ion: 75 Resp: 150591  
Ion Ratio Lower Upper  
75 100  
77 33.4 25.4 38.0  
39 38.3 32.8 49.2





#55  
1,1,2-Trichloroethane  
Concen: 21.184 ug/l  
RT: 10.573 min Scan# 1452  
Delta R.T. 0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

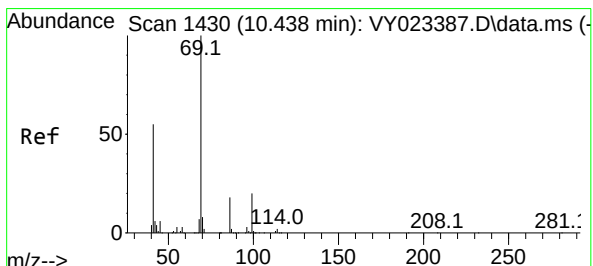
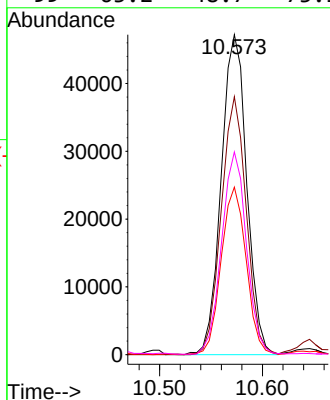
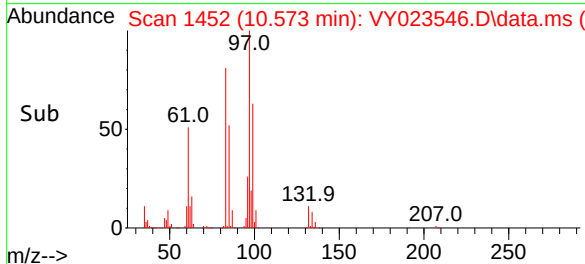
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



Tgt Ion: 97 Resp: 8140  
Ion Ratio Lower Upper  
97 100  
83 80.4 61.8 92.6  
85 52.4 41.3 61.9  
99 63.2 48.7 73.1

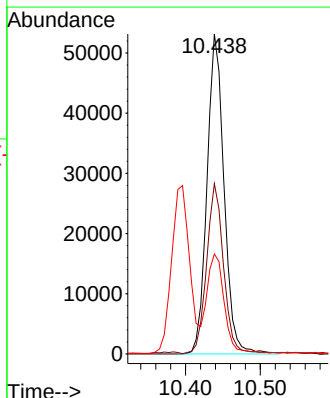
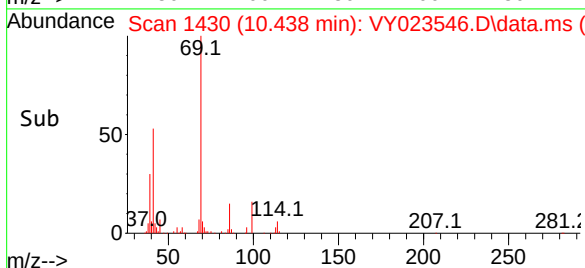
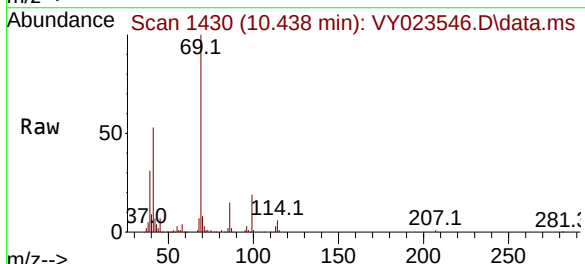
Manual Integrations  
APPROVED

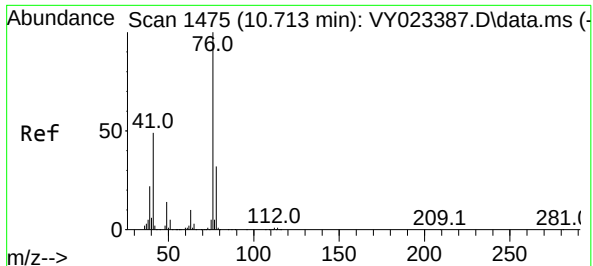
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#56  
Ethyl methacrylate  
Concen: 18.994 ug/l  
RT: 10.438 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

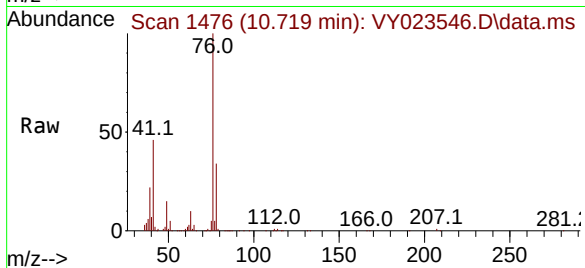
Tgt Ion: 69 Resp: 84192  
Ion Ratio Lower Upper  
69 100  
41 52.9 44.6 67.0  
39 30.6 27.0 40.4





#57  
1,3-Dichloropropane  
Concen: 20.266 ug/l  
RT: 10.719 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

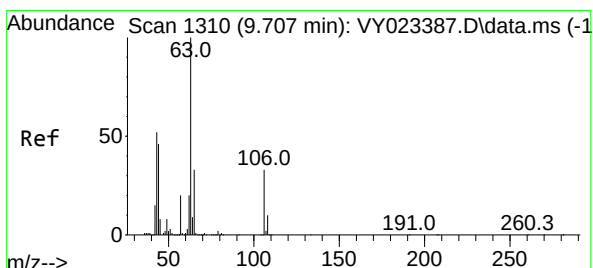
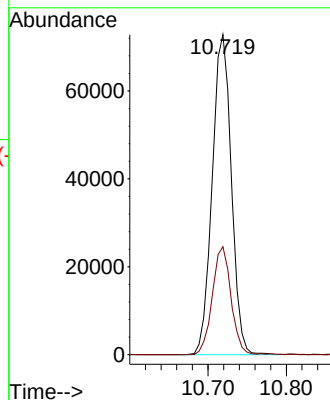
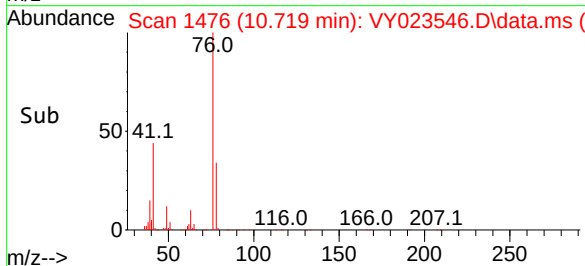
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01



Tgt Ion: 76 Resp: 123408  
Ion Ratio Lower Upper  
76 100  
78 32.9 25.9 38.9

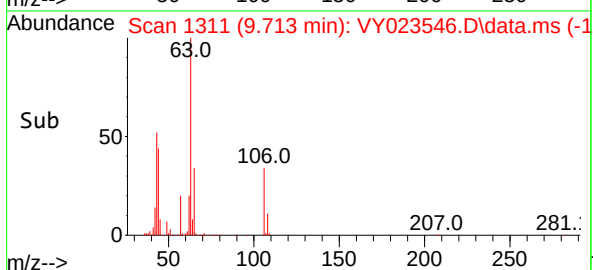
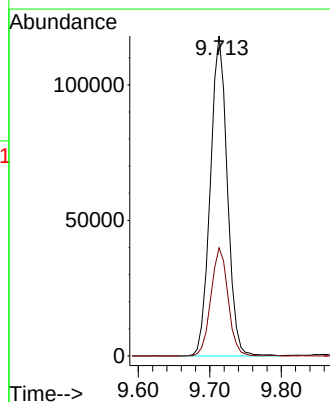
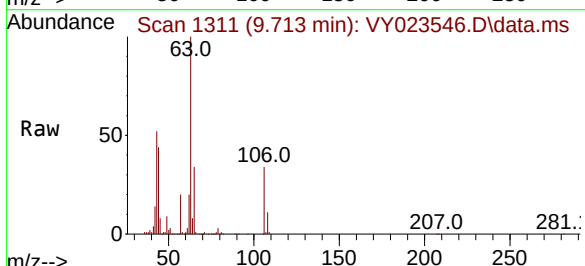
Manual Integrations  
APPROVED

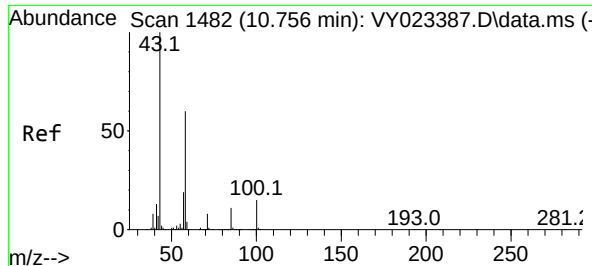
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#58  
2-Chloroethyl Vinyl ether  
Concen: 98.074 ug/l  
RT: 9.713 min Scan# 1311  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

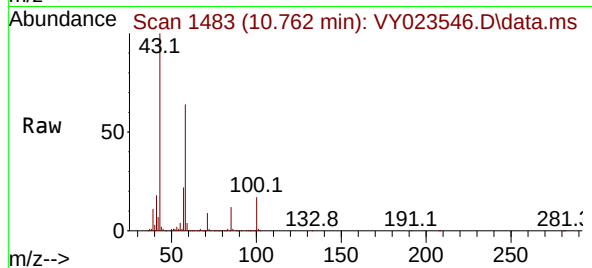
Tgt Ion: 63 Resp: 194748  
Ion Ratio Lower Upper  
63 100  
106 34.0 26.6 39.8





#59  
2-Hexanone  
Concen: 102.481 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

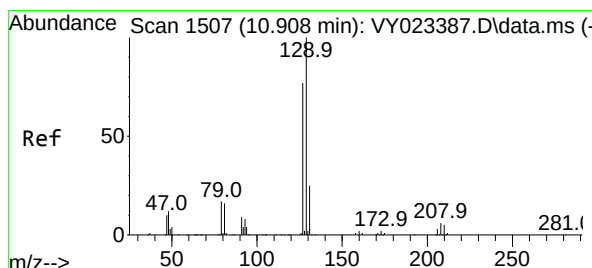
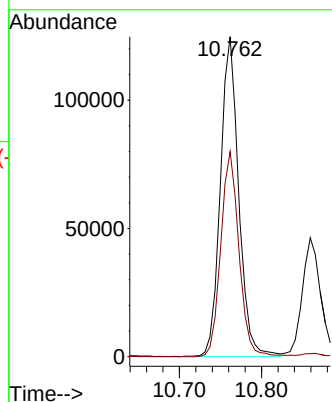
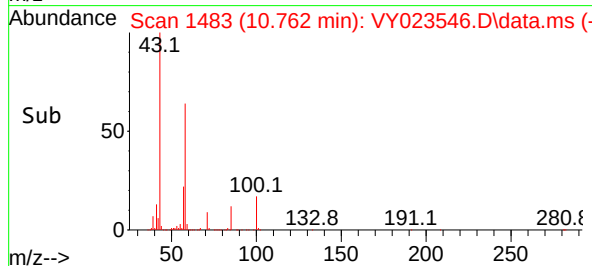
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01



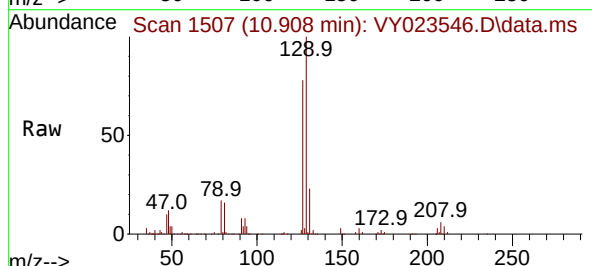
Tgt Ion: 43 Resp: 19312  
Ion Ratio Lower Upper  
43 100  
58 63.4 30.5 91.5

Manual Integrations  
APPROVED

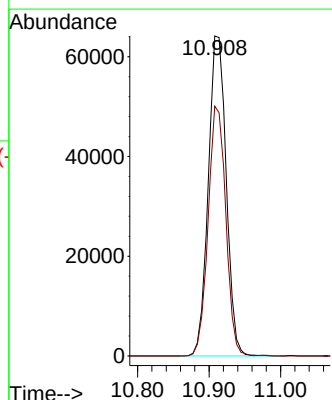
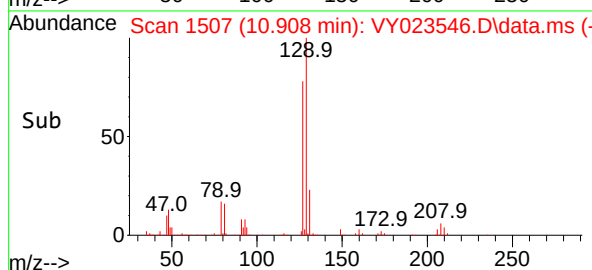
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



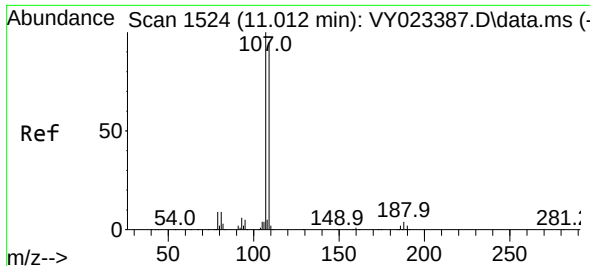
#60  
Dibromochloromethane  
Concen: 20.721 ug/l  
RT: 10.908 min Scan# 1507  
Delta R.T. -0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51



Tgt Ion:129 Resp: 111638  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.6 115.7

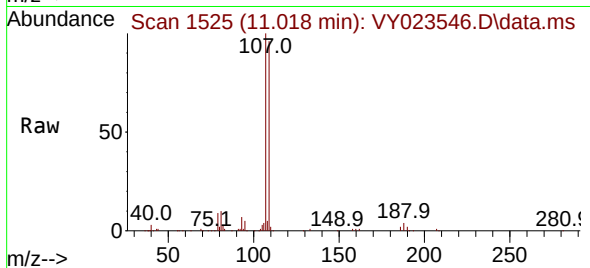






#61  
1,2-Dibromoethane  
Concen: 20.524 ug/l  
RT: 11.018 min Scan# 1524  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

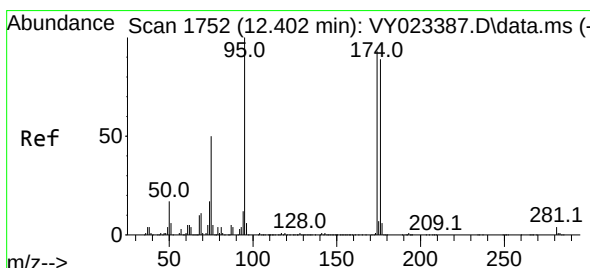
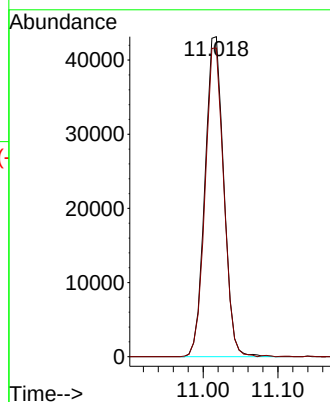
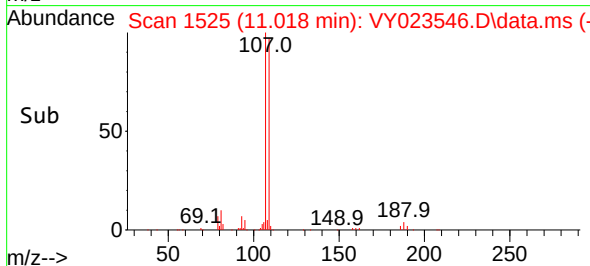
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



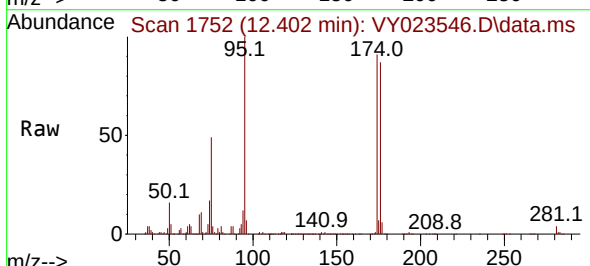
Tgt Ion:107 Resp: 75210  
Ion Ratio Lower Upper  
107 100  
109 95.8 76.1 114.1

Manual Integrations  
APPROVED

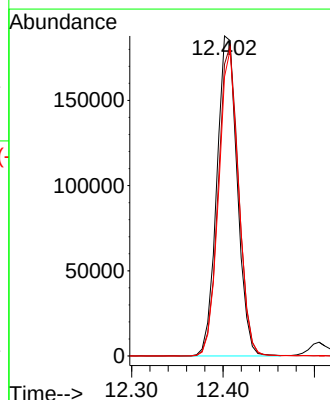
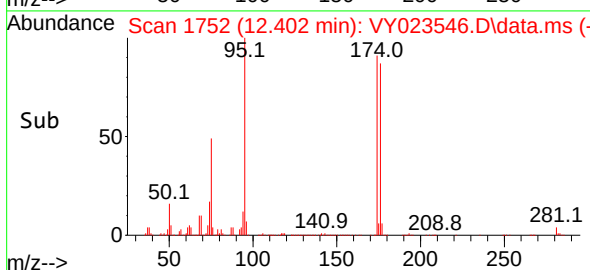
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

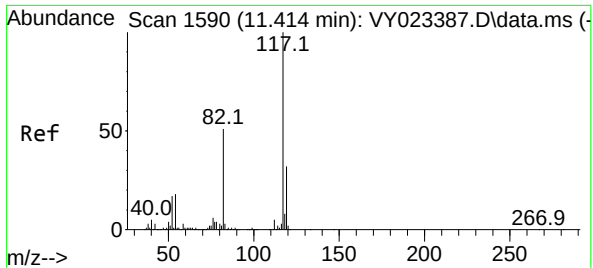


#62  
4-Bromofluorobenzene  
Concen: 48.735 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51



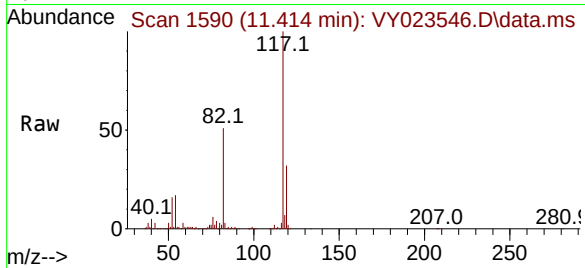
Tgt Ion: 95 Resp: 292410  
Ion Ratio Lower Upper  
95 100  
174 96.3 0.0 192.8  
176 93.1 0.0 187.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

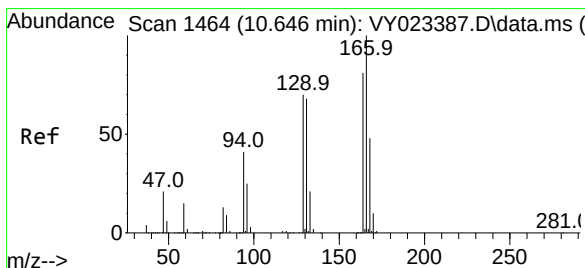
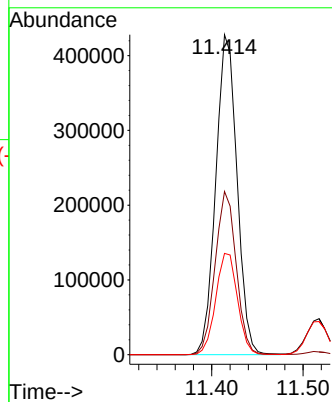
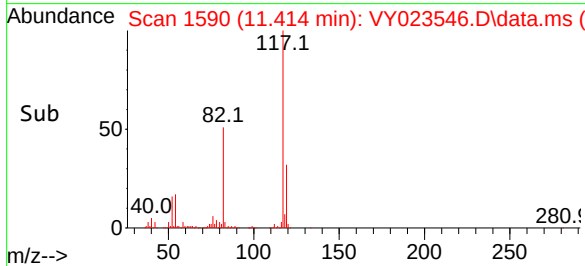
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



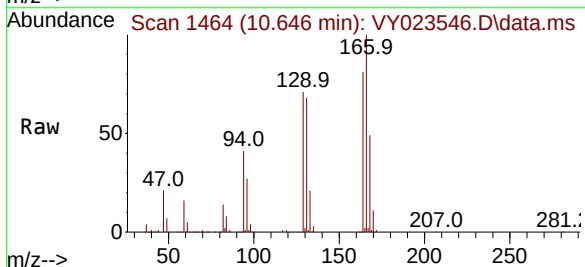
Tgt Ion:117 Resp: 69178  
Ion Ratio Lower Upper  
117 100  
82 51.0 41.0 61.4  
119 31.6 25.6 38.4

Manual Integrations  
APPROVED

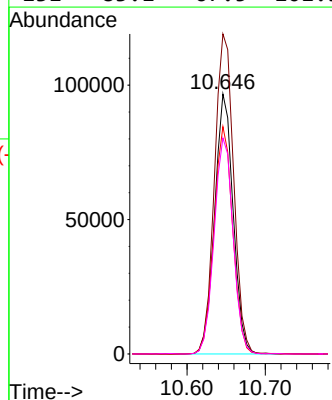
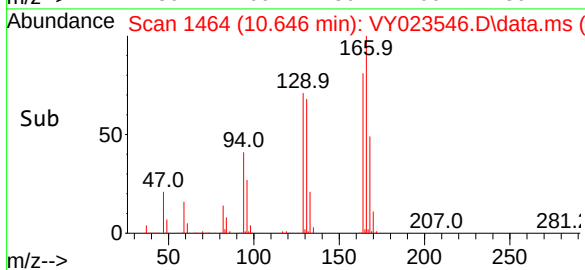
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

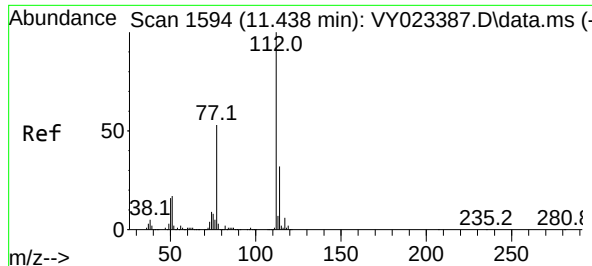


#64  
Tetrachloroethene  
Concen: 22.316 ug/l  
RT: 10.646 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51



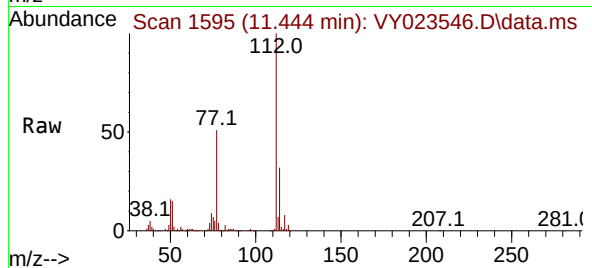
Tgt Ion:164 Resp: 159402  
Ion Ratio Lower Upper  
164 100  
166 123.0 99.4 149.0  
129 87.4 69.4 104.2  
131 83.1 67.5 101.3





#65  
Chlorobenzene  
Concen: 20.995 ug/l  
RT: 11.444 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

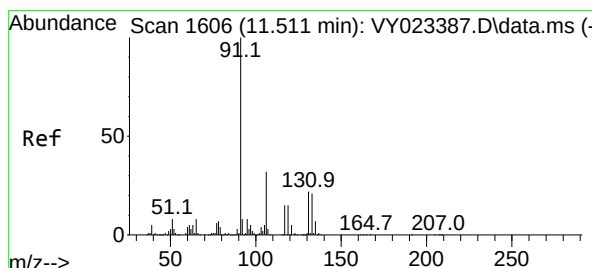
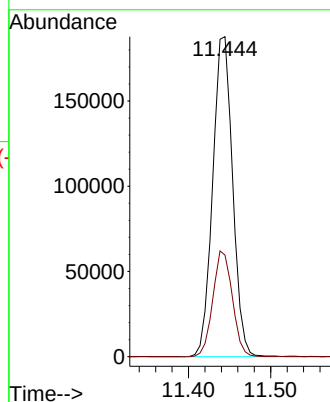
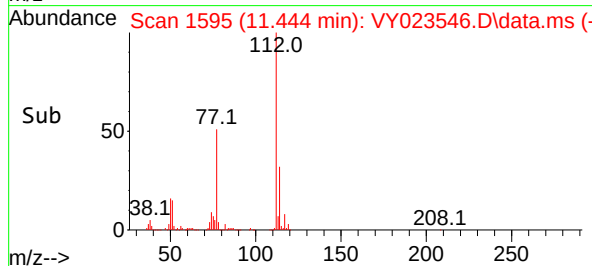
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



Tgt Ion:112 Resp: 31588  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.6 38.4

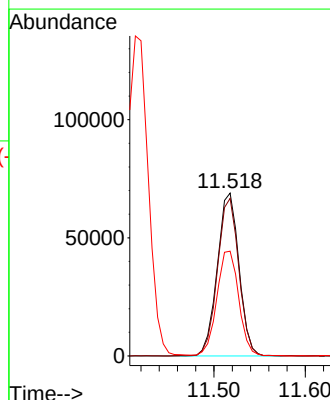
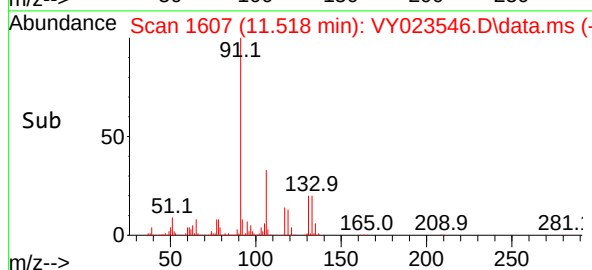
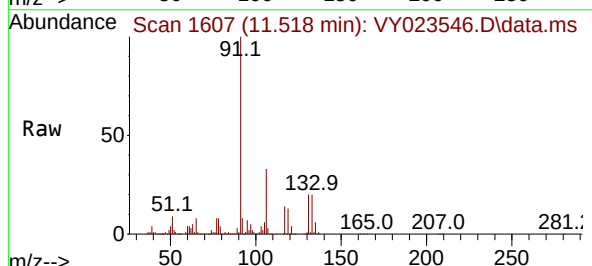
Manual Integrations  
APPROVED

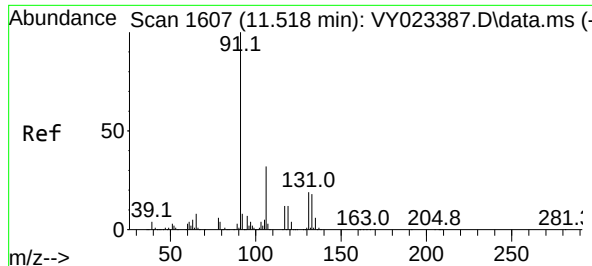
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.234 ug/l  
RT: 11.518 min Scan# 1607  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Tgt Ion:131 Resp: 113849  
Ion Ratio Lower Upper  
131 100  
133 95.7 48.4 145.2  
119 65.3 32.4 97.2





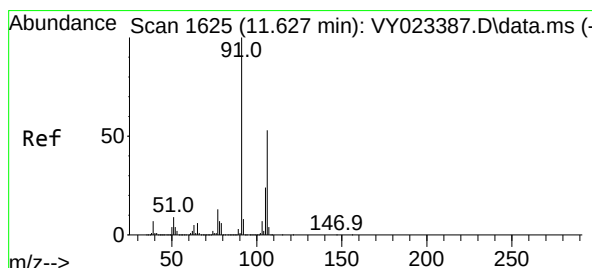
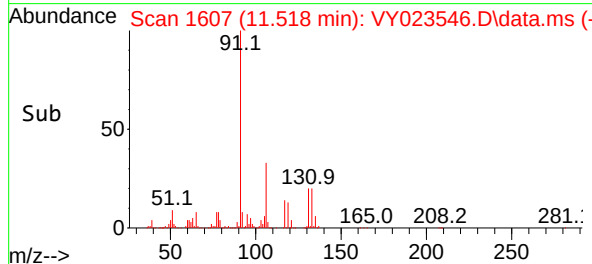
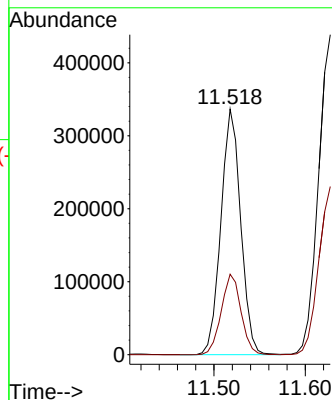
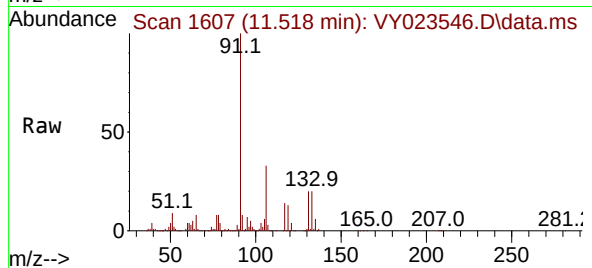
#67  
Ethyl Benzene  
Concen: 20.807 ug/l  
RT: 11.518 min Scan# 1607  
Delta R.T. 0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01

Tgt Ion: 91 Resp: 506760  
Ion Ratio Lower Upper  
91 100  
106 32.8 25.8 38.8

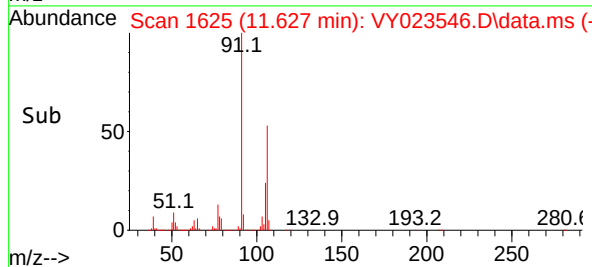
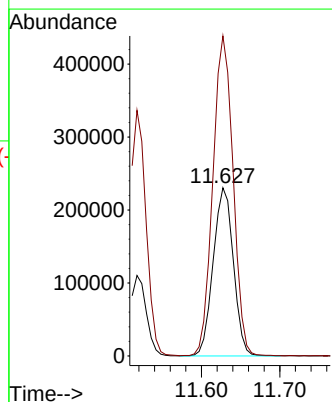
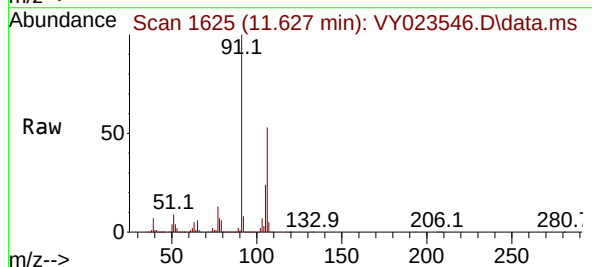
Manual Integrations  
APPROVED

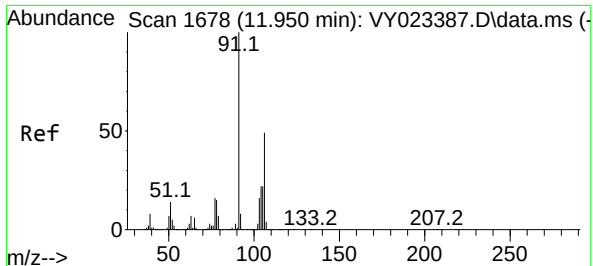
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#68  
m/p-Xylenes  
Concen: 42.235 ug/l  
RT: 11.627 min Scan# 1625  
Delta R.T. -0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Tgt Ion:106 Resp: 412583  
Ion Ratio Lower Upper  
106 100  
91 190.4 152.6 229.0





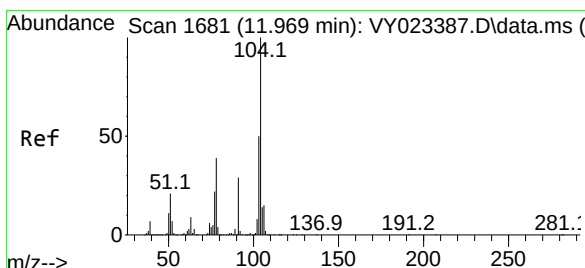
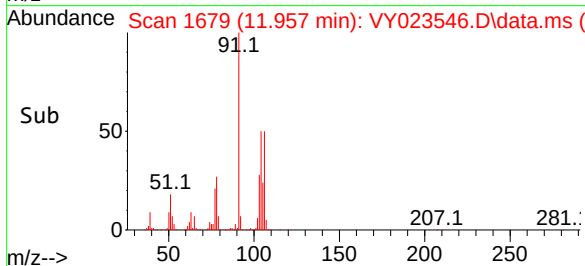
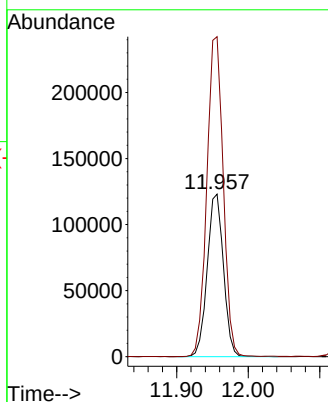
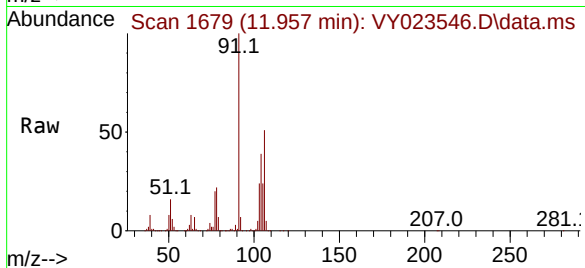
#69  
o-Xylene  
Concen: 21.110 ug/l  
RT: 11.957 min Scan# 1679  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01

Tgt Ion:106 Resp: 193428  
Ion Ratio Lower Upper  
106 100  
91 199.0 101.4 304.1

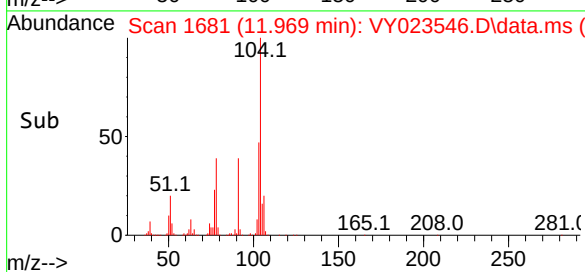
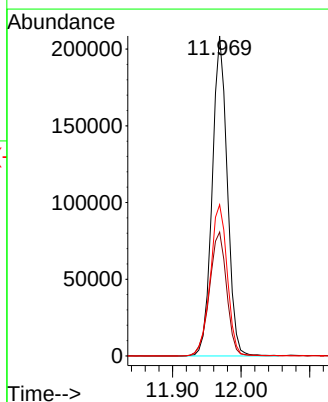
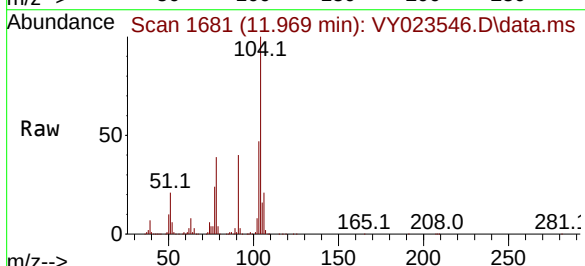
Manual Integrations  
APPROVED

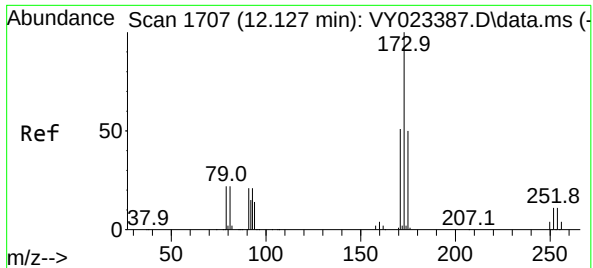
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#70  
Styrene  
Concen: 21.173 ug/l  
RT: 11.969 min Scan# 1681  
Delta R.T. -0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

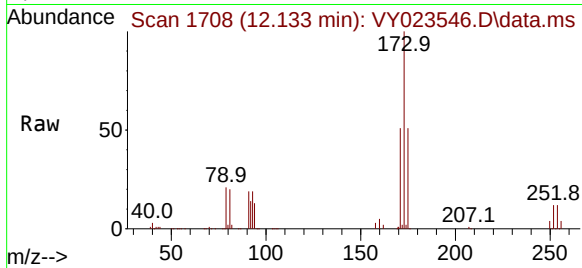
Tgt Ion:104 Resp: 319023  
Ion Ratio Lower Upper  
104 100  
78 44.1 36.1 54.1  
103 53.1 43.2 64.8





#71  
Bromoform  
Concen: 20.257 ug/l  
RT: 12.133 min Scan# 1707  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

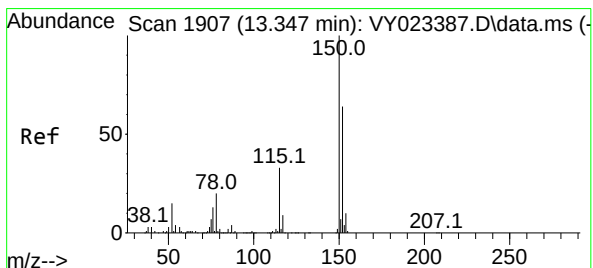
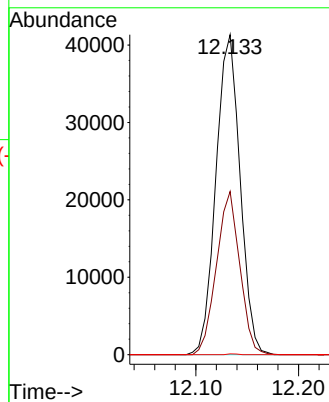
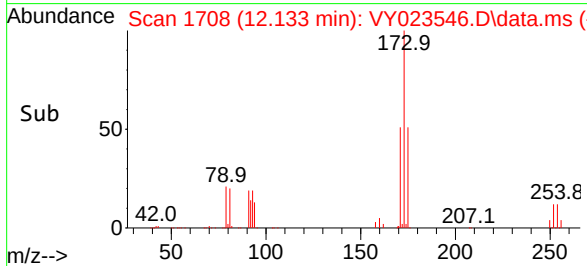
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01



Tgt Ion:173 Resp: 67370  
Ion Ratio Lower Upper  
173 100  
175 49.3 24.8 74.3  
254 0.1 0.1 0.1

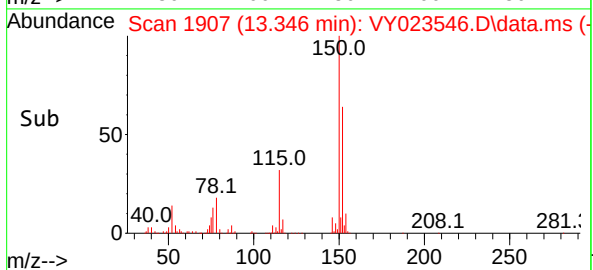
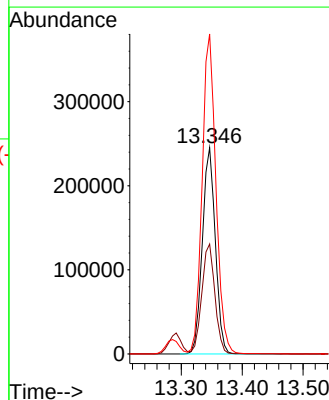
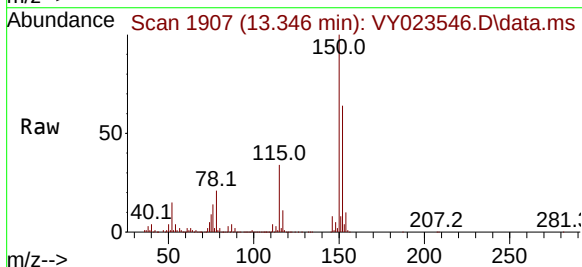
Manual Integrations  
APPROVED

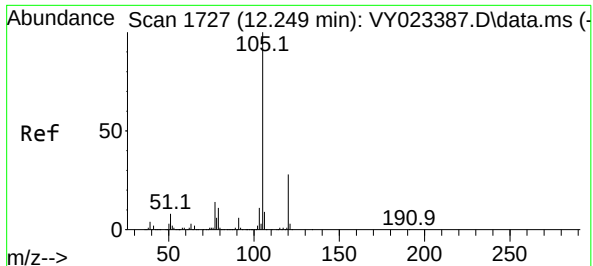
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

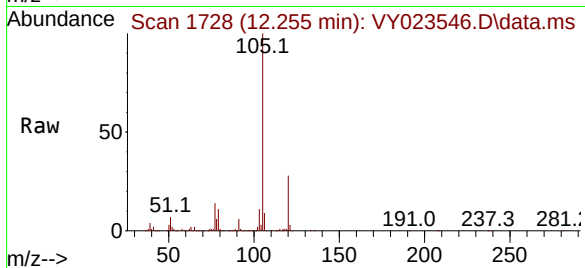
Tgt Ion:152 Resp: 364513  
Ion Ratio Lower Upper  
152 100  
115 53.3 27.1 81.2  
150 164.2 0.0 347.4





#73  
Isopropylbenzene  
Concen: 20.816 ug/l  
RT: 12.255 min Scan# 1728  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

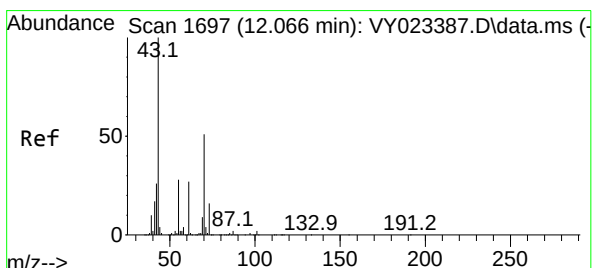
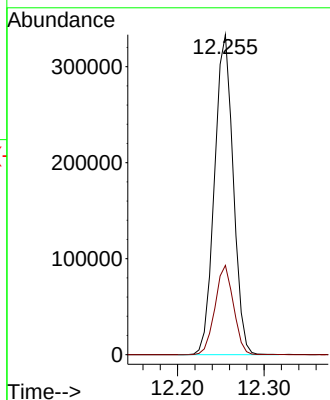
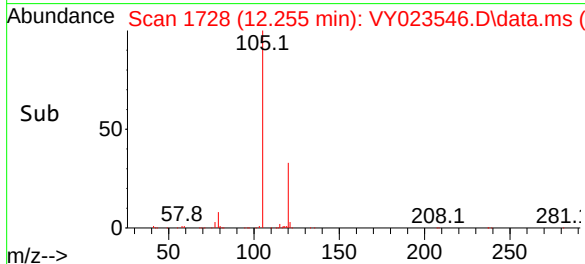
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



Tgt Ion:105 Resp: 500033  
Ion Ratio Lower Upper  
105 100  
120 27.5 13.9 41.7

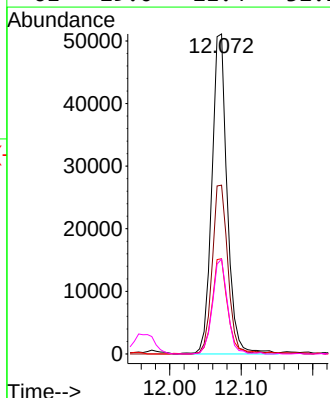
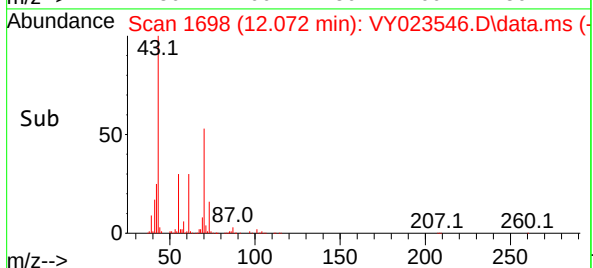
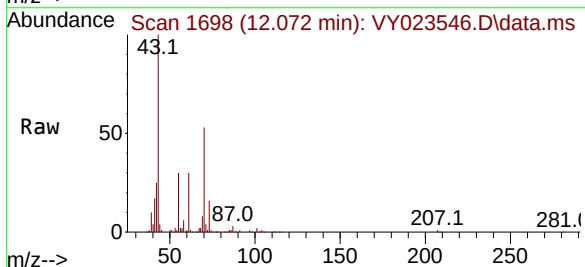
Manual Integrations  
APPROVED

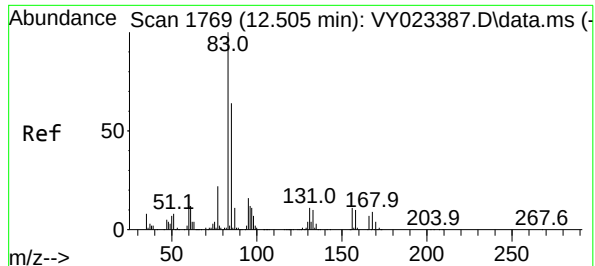
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#74  
N-ethyl acetate  
Concen: 17.641 ug/l  
RT: 12.072 min Scan# 1698  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Tgt Ion: 43 Resp: 76114  
Ion Ratio Lower Upper  
43 100  
70 53.4 41.1 61.7  
55 30.3 23.0 34.6  
61 29.0 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.210 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

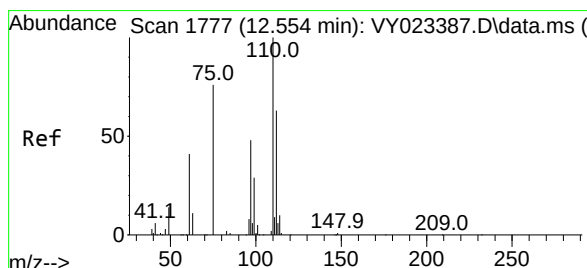
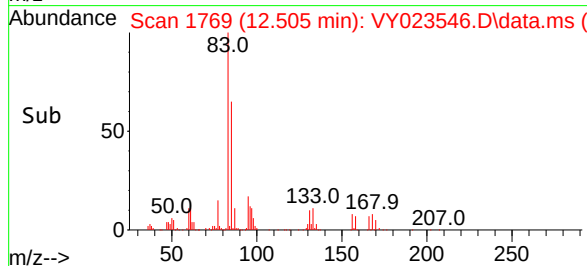
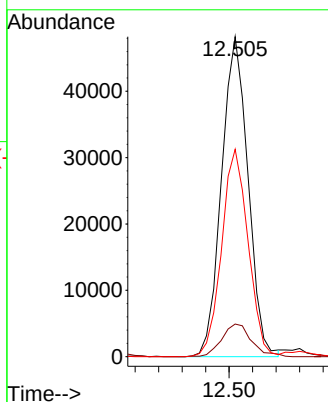
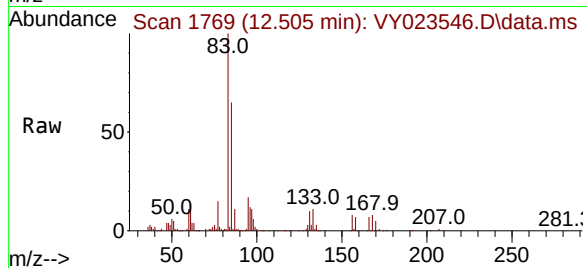
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 75470 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.5  | 5.9   | 17.6  |
| 85        | 64.7  | 31.8  | 95.3  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#76

1,2,3-Trichloropropane

Concen: 21.273 ug/l m

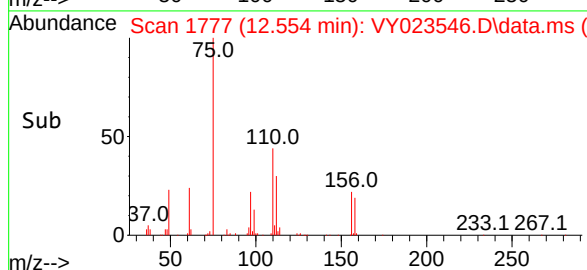
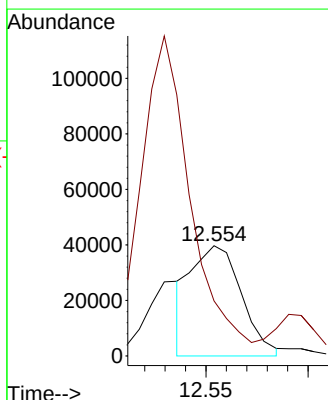
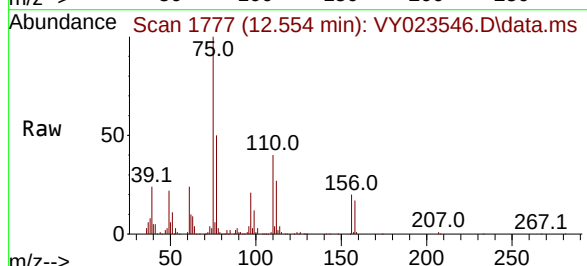
RT: 12.554 min Scan# 1777

Delta R.T. 0.000 min

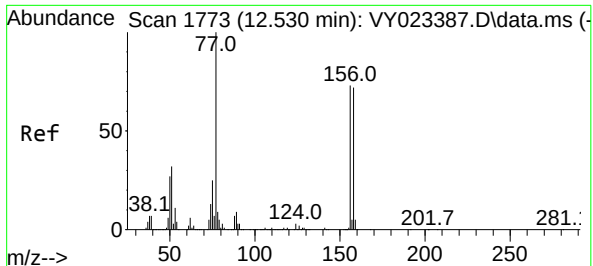
Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 68415 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |







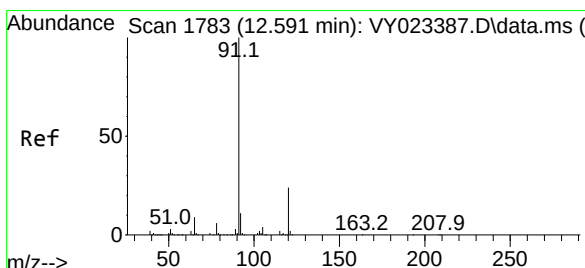
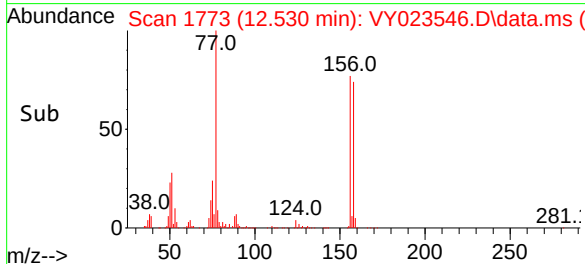
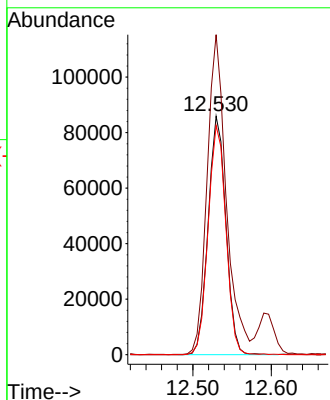
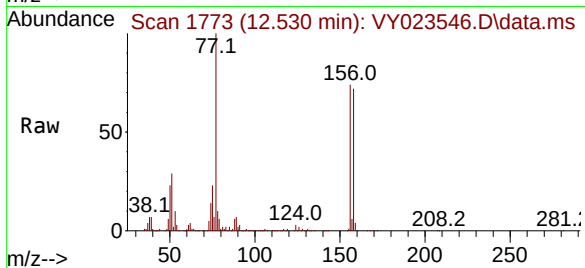
#77  
Bromobenzene  
Concen: 21.147 ug/l  
RT: 12.530 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01

Tgt Ion:156 Resp: 135048  
Ion Ratio Lower Upper  
156 100  
77 145.5 76.8 230.5  
158 96.2 49.0 147.2

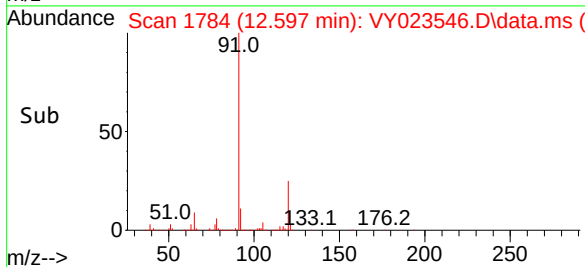
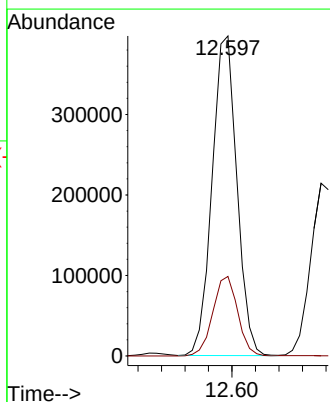
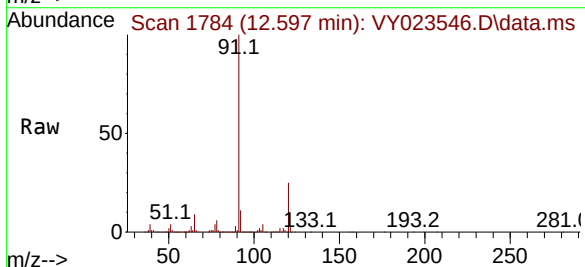
Manual Integrations  
APPROVED

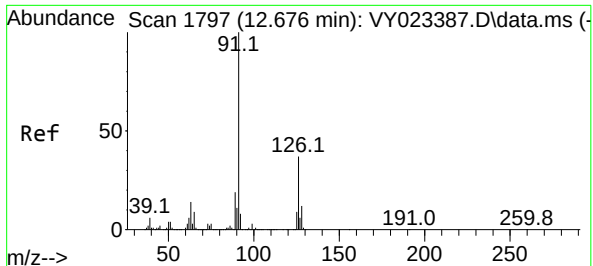
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#78  
n-propylbenzene  
Concen: 20.960 ug/l  
RT: 12.597 min Scan# 1784  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Tgt Ion: 91 Resp: 582648  
Ion Ratio Lower Upper  
91 100  
120 24.9 12.3 36.8





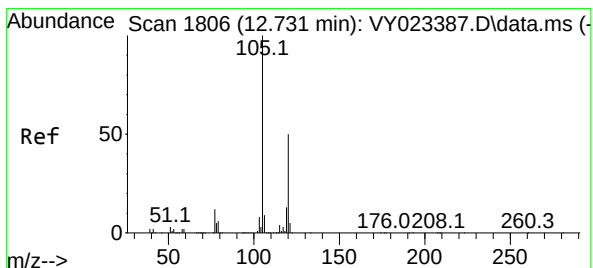
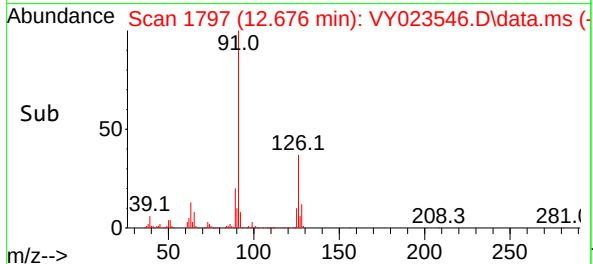
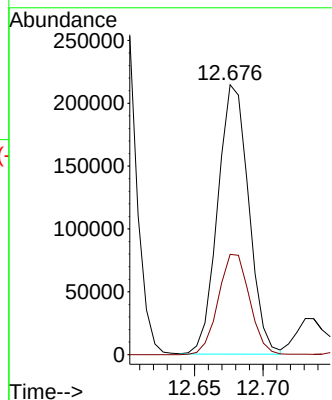
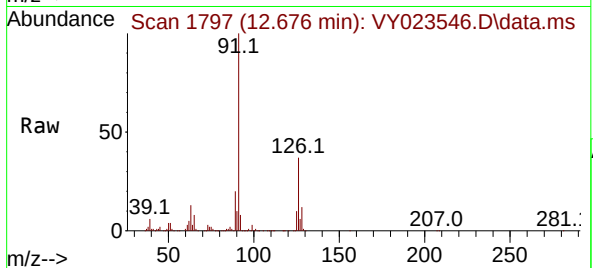
#79  
2-Chlorotoluene  
Concen: 20.750 ug/l  
RT: 12.676 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01

Tgt Ion: 91 Resp: 337780  
Ion Ratio Lower Upper  
91 100  
126 37.7 18.5 55.5

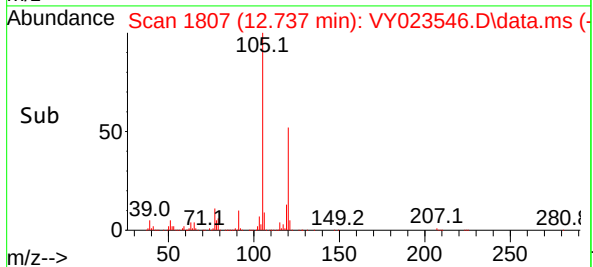
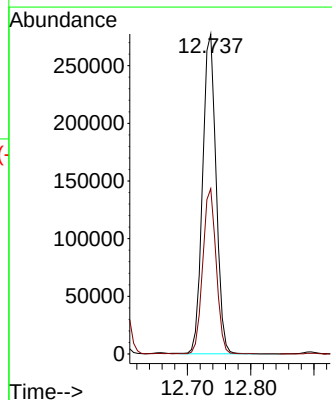
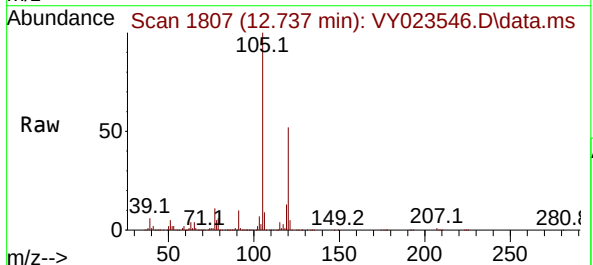
Manual Integrations  
APPROVED

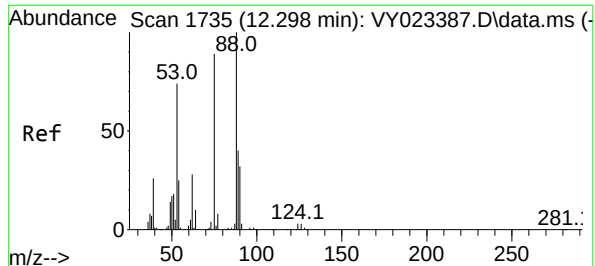
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#80  
1,3,5-Trimethylbenzene  
Concen: 21.274 ug/l  
RT: 12.737 min Scan# 1807  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

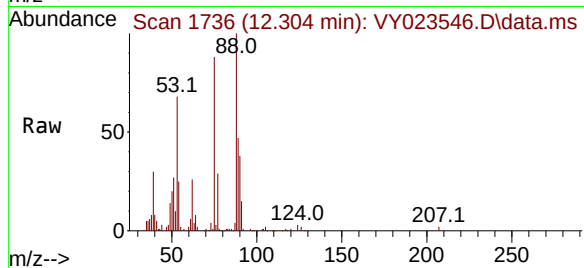
Tgt Ion:105 Resp: 412957  
Ion Ratio Lower Upper  
105 100  
120 51.1 25.4 76.4





#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.613 ug/l  
RT: 12.304 min Scan# 1735  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

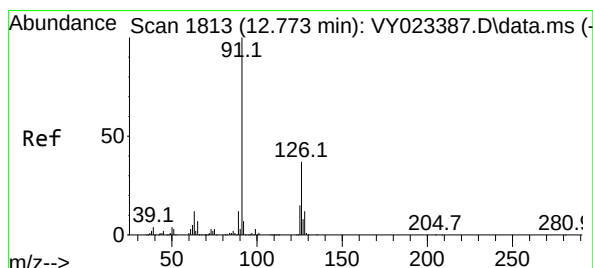
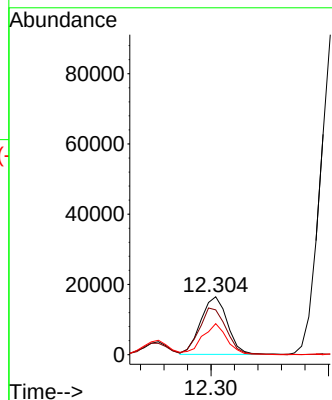
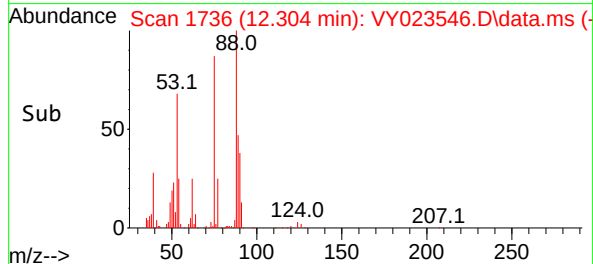
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



Tgt Ion: 75 Resp: 2572  
Ion Ratio Lower Upper  
75 100  
53 82.2 68.6 102.8  
89 49.9 39.0 58.4

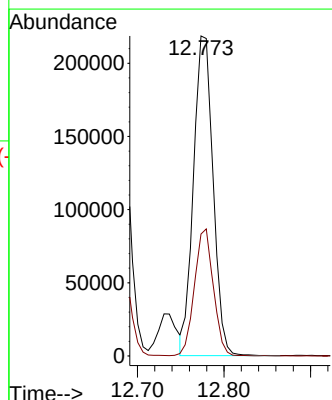
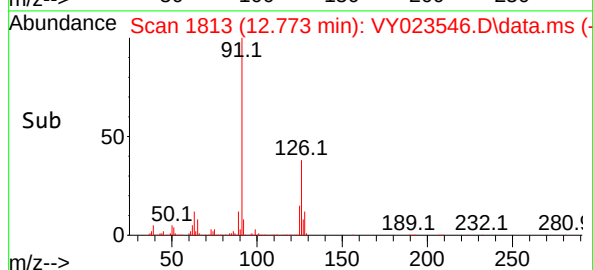
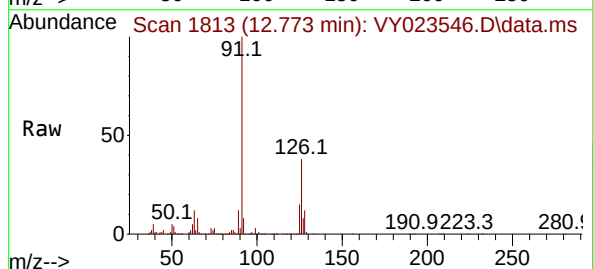
Manual Integrations  
APPROVED

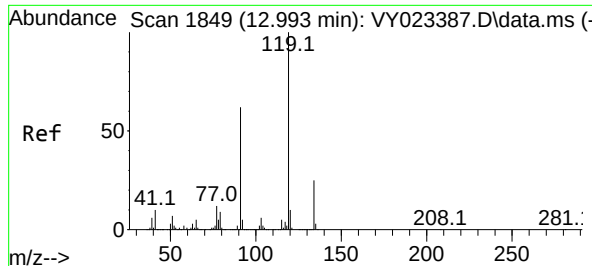
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#82  
4-Chlorotoluene  
Concen: 20.477 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Tgt Ion: 91 Resp: 343300  
Ion Ratio Lower Upper  
91 100  
126 38.3 18.4 55.4





#83

tert-Butylbenzene

Concen: 20.869 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion:119 Resp: 37403

Ion Ratio Lower Upper

119 100

91 60.0 29.9 89.8

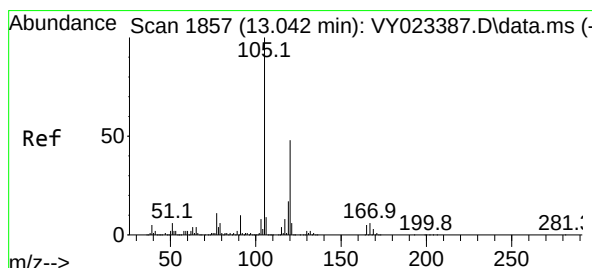
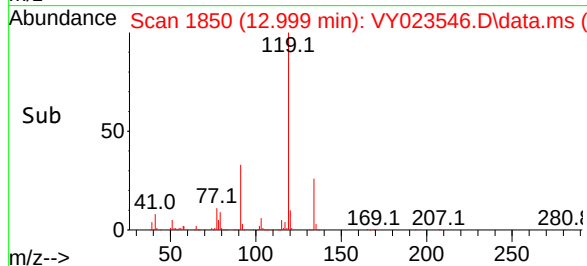
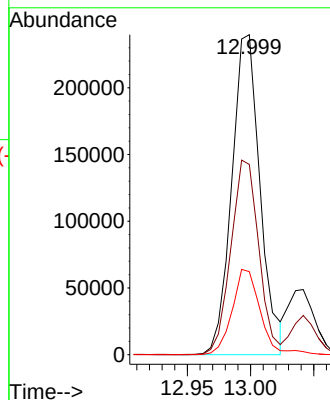
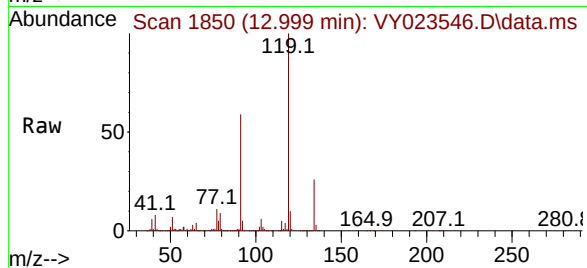
134 26.6 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.988 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023546.D

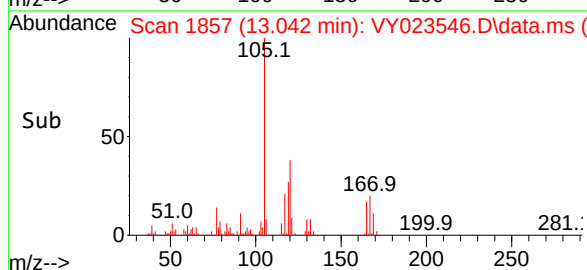
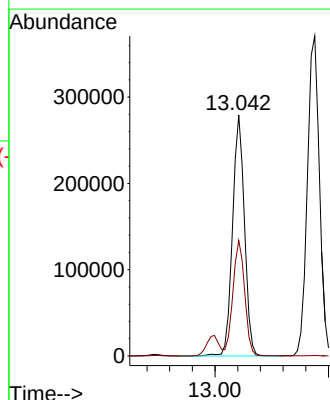
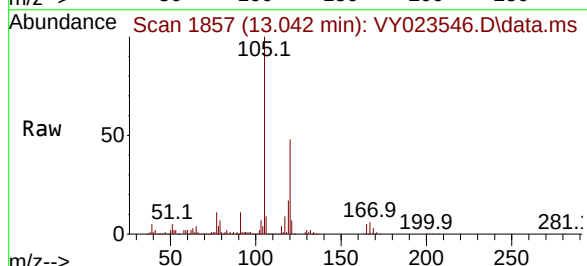
Acq: 22 Oct 2025 10:51

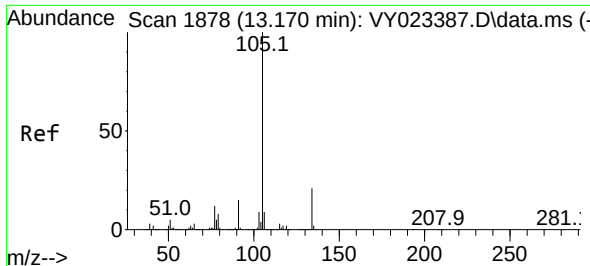
Tgt Ion:105 Resp: 406596

Ion Ratio Lower Upper

105 100

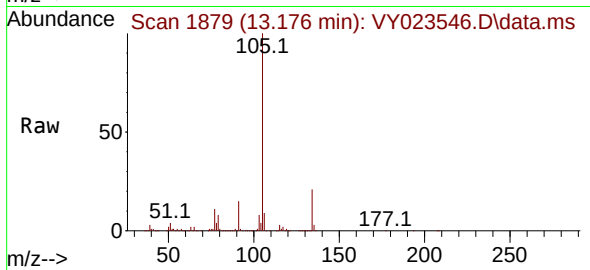
120 47.0 23.8 71.2





#85  
sec-Butylbenzene  
Concen: 21.403 ug/l  
RT: 13.176 min Scan# 1878  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

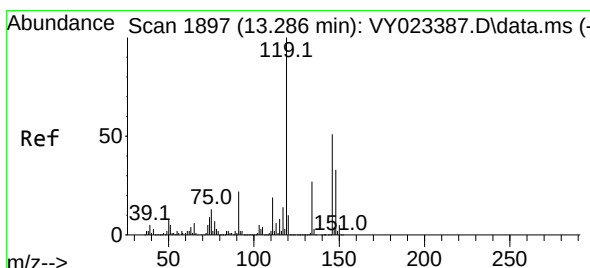
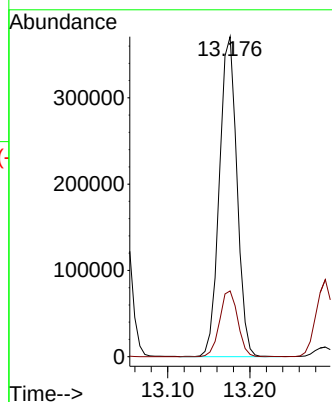
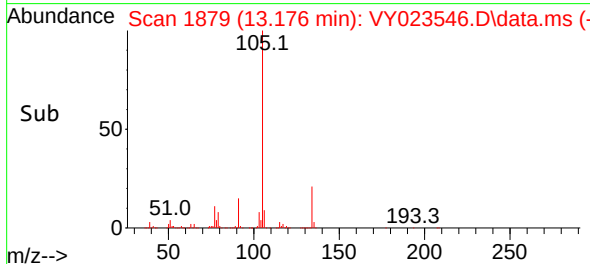
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



Tgt Ion:105 Resp: 550279  
Ion Ratio Lower Upper  
105 100  
134 21.2 10.7 32.1

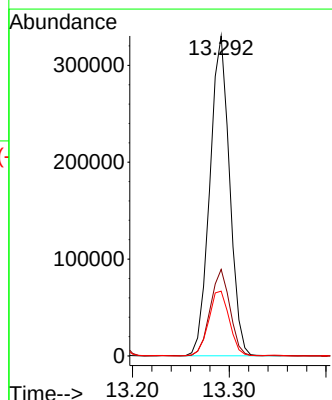
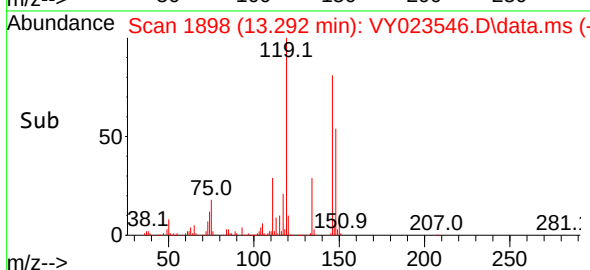
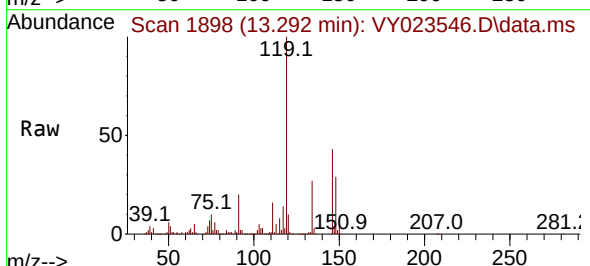
Manual Integrations  
APPROVED

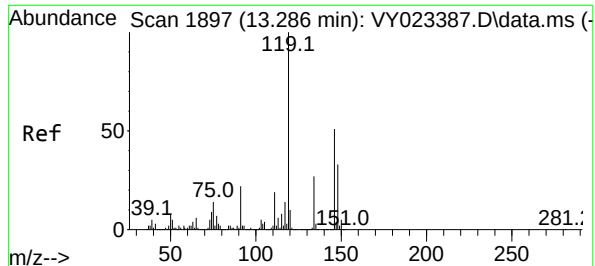
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025



#86  
p-Isopropyltoluene  
Concen: 21.371 ug/l  
RT: 13.292 min Scan# 1898  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Tgt Ion:119 Resp: 467814  
Ion Ratio Lower Upper  
119 100  
134 27.0 13.6 40.7  
91 21.2 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 20.804 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion:146 Resp: 25872

Ion Ratio Lower Upper

146 100

111 37.2 18.7 56.1

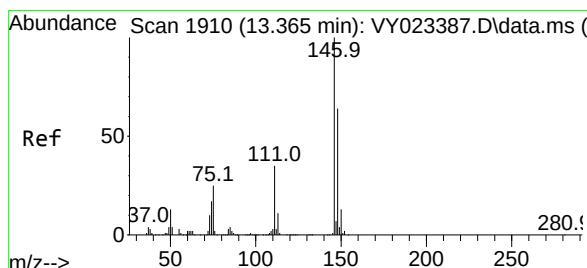
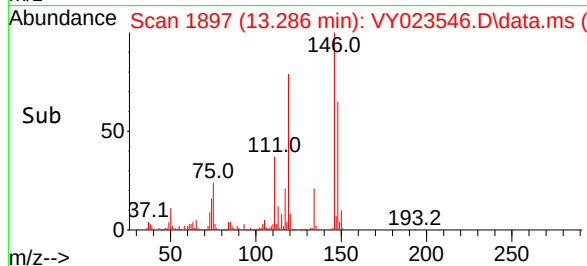
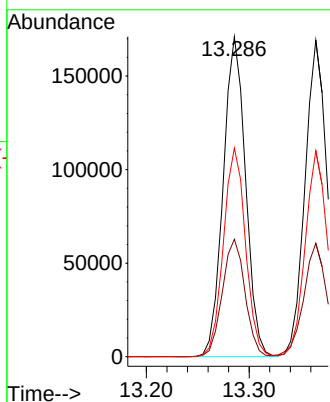
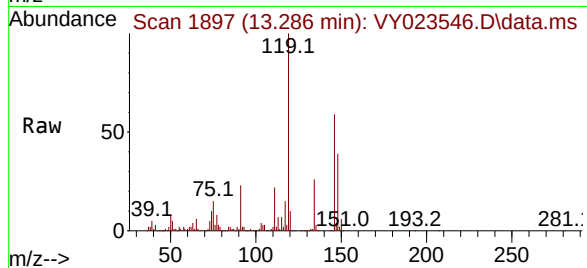
148 64.4 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#88

1,4-Dichlorobenzene

Concen: 20.684 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

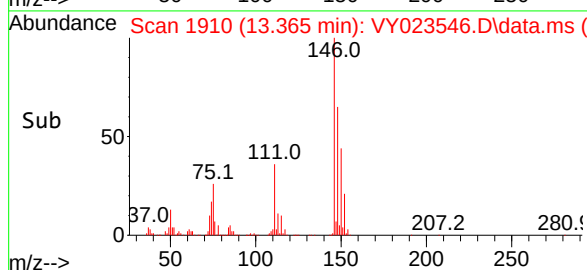
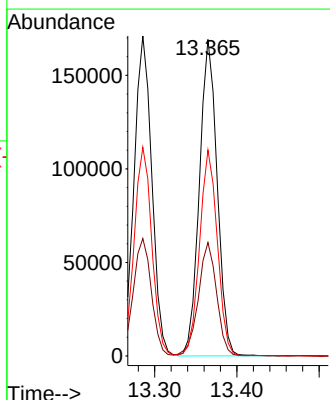
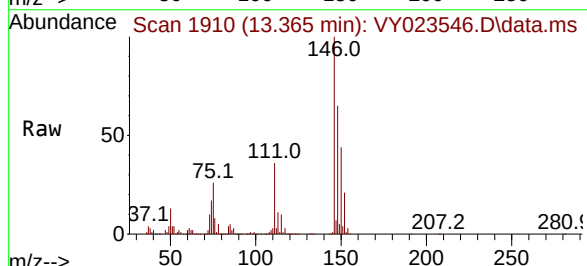
Tgt Ion:146 Resp: 254047

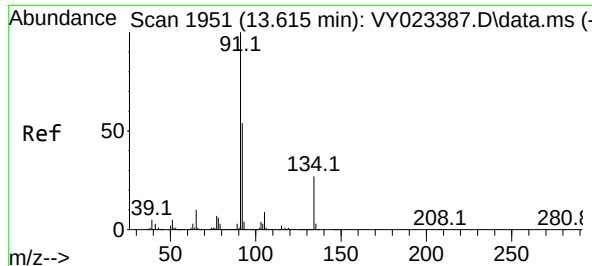
Ion Ratio Lower Upper

146 100

111 36.6 18.0 54.0

148 64.9 31.9 95.7





#89

n-Butylbenzene

Concen: 20.600 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

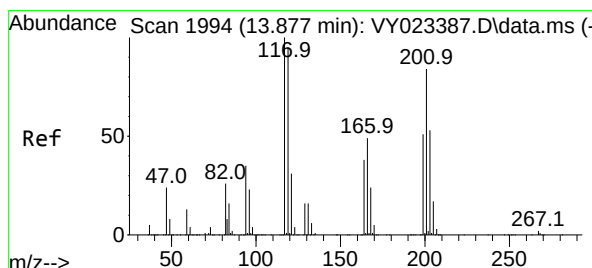
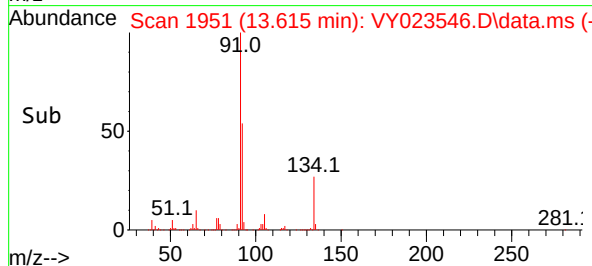
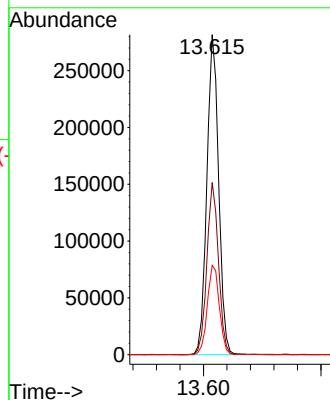
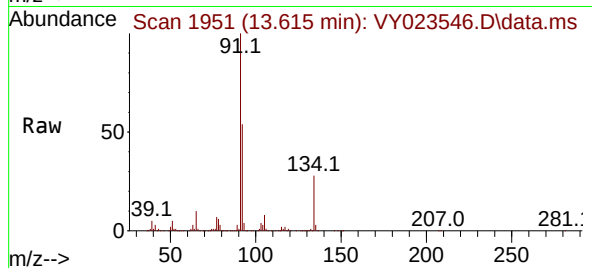
VY1022SBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 39292 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 52.9  | 27.0  | 80.8  |
| 134      | 28.5  | 14.1  | 42.2  |

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#90

Hexachloroethane

Concen: 20.342 ug/l

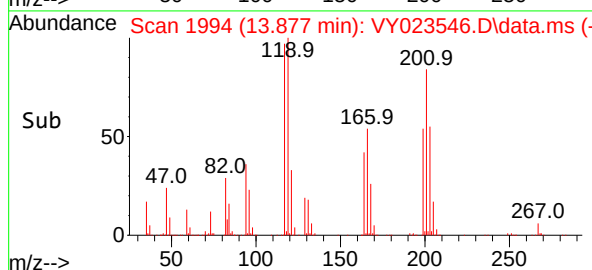
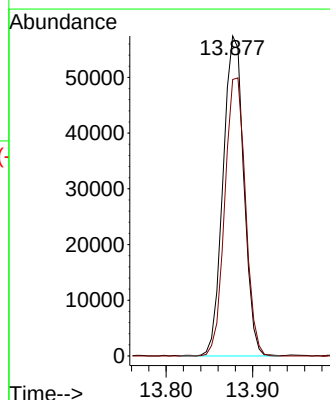
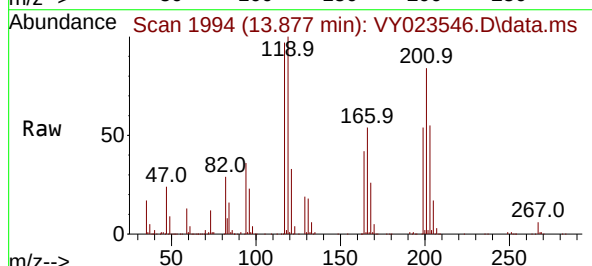
RT: 13.877 min Scan# 1994

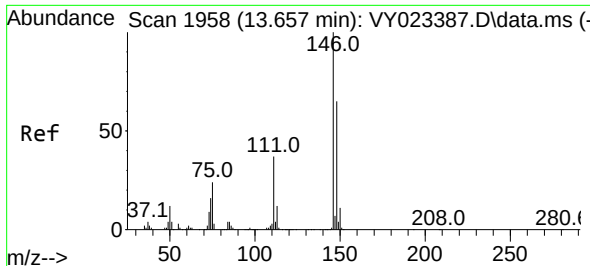
Delta R.T. 0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

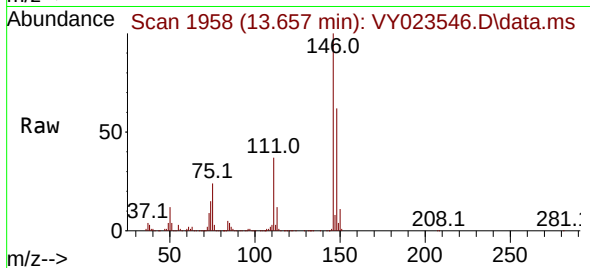
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 95771 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 86.3  | 43.8  | 131.4 |





#91  
1,2-Dichlorobenzene  
Concen: 20.857 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. 0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

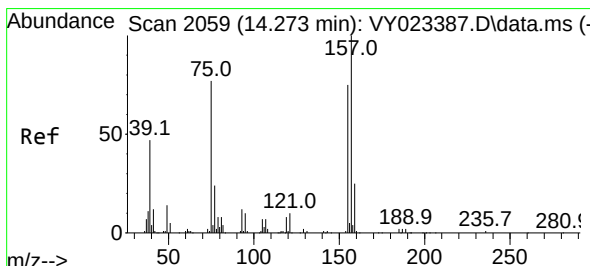
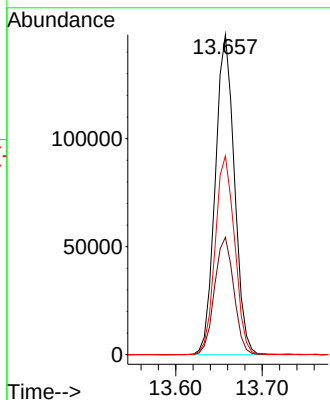
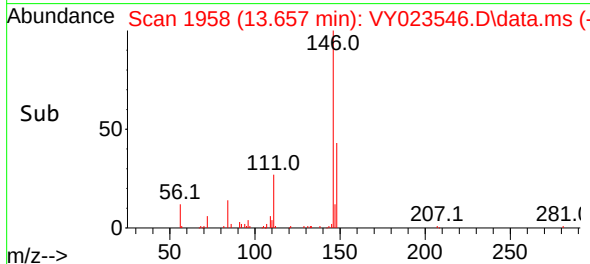
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



Tgt Ion:146 Resp: 227404  
Ion Ratio Lower Upper  
146 100  
111 37.1 19.0 57.0  
148 63.5 32.1 96.3

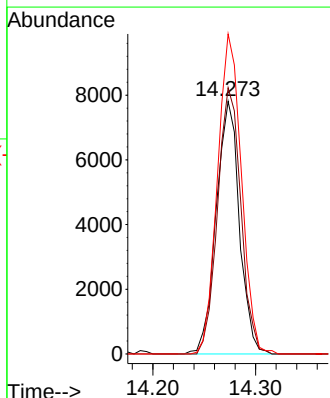
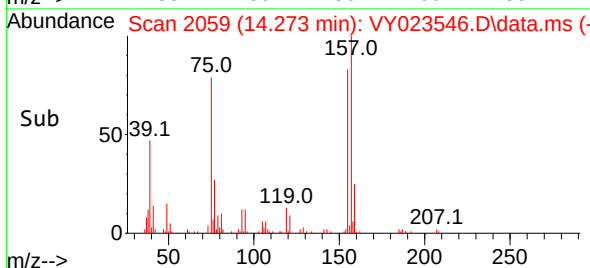
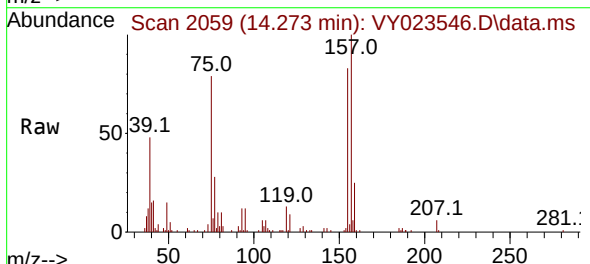
Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

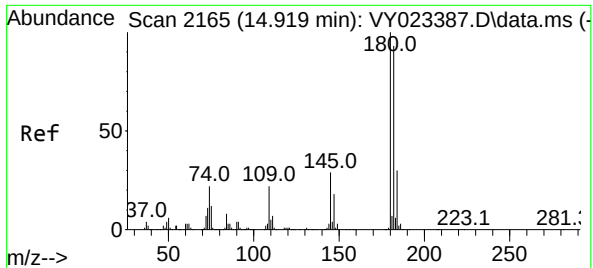


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.977 ug/l  
RT: 14.273 min Scan# 2059  
Delta R.T. -0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

Tgt Ion: 75 Resp: 12234  
Ion Ratio Lower Upper  
75 100  
155 105.6 50.0 150.0  
157 130.3 63.8 191.5

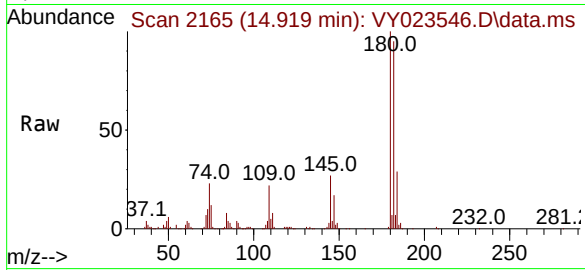






#93  
1,2,4-Trichlorobenzene  
Concen: 20.166 ug/l  
RT: 14.919 min Scan# 2165  
Delta R.T. 0.000 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51

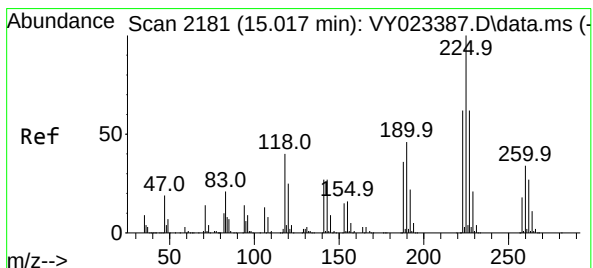
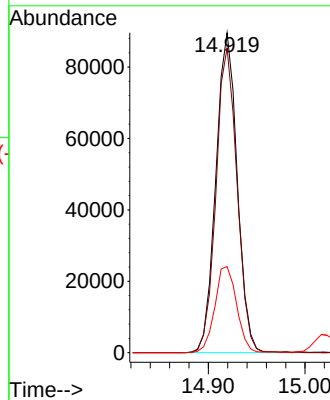
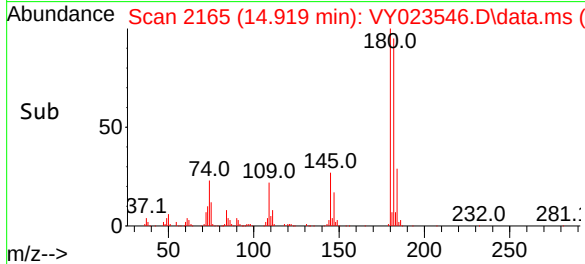
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBSD01



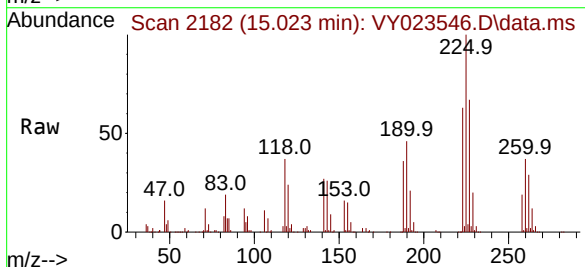
Tgt Ion:180 Resp: 137068  
Ion Ratio Lower Upper  
180 100  
182 94.1 47.9 143.6  
145 27.7 14.7 44.1

Manual Integrations  
APPROVED

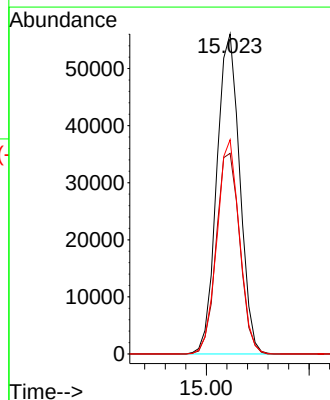
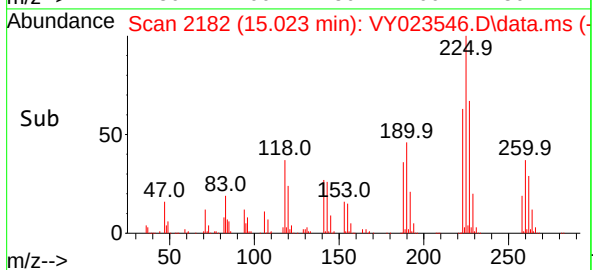
Reviewed By :Amit Patel 10/24/2025  
Supervised By :Mahesh Dadoda 10/24/2025

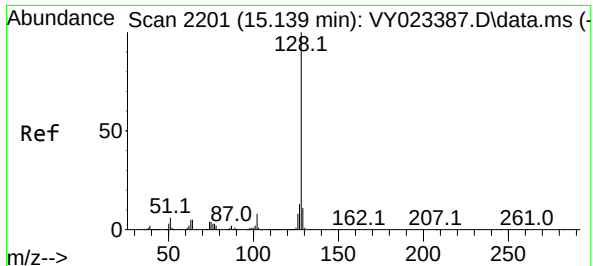


#94  
Hexachlorobutadiene  
Concen: 20.497 ug/l  
RT: 15.023 min Scan# 2182  
Delta R.T. 0.006 min  
Lab File: VY023546.D  
Acq: 22 Oct 2025 10:51



Tgt Ion:225 Resp: 86848  
Ion Ratio Lower Upper  
225 100  
223 64.0 30.8 92.3  
227 65.4 31.9 95.7





#95

Naphthalene

Concen: 18.906 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion:128 Resp: 204628

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

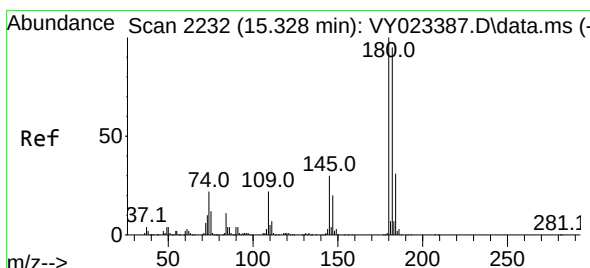
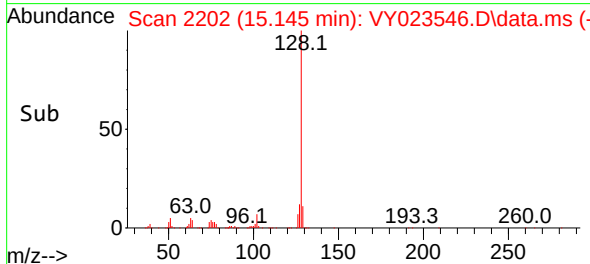
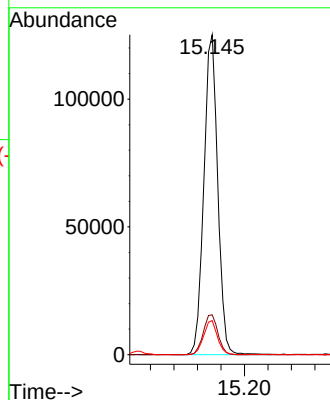
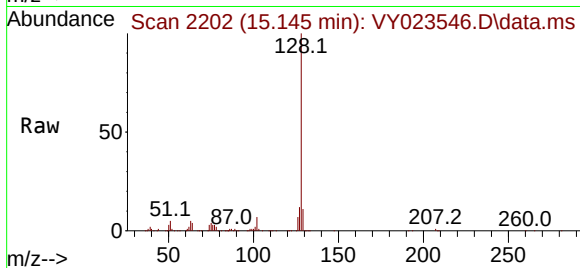
129 10.7 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 10/24/2025

Supervised By :Mahesh Dadoda 10/24/2025



#96

1,2,3-Trichlorobenzene

Concen: 19.509 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY023546.D

Acq: 22 Oct 2025 10:51

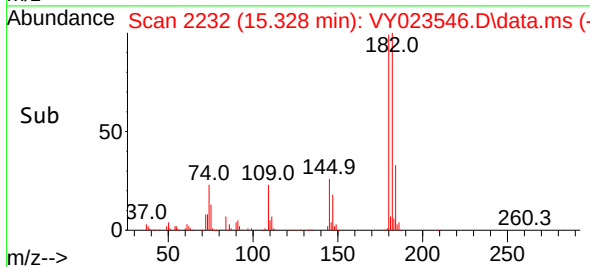
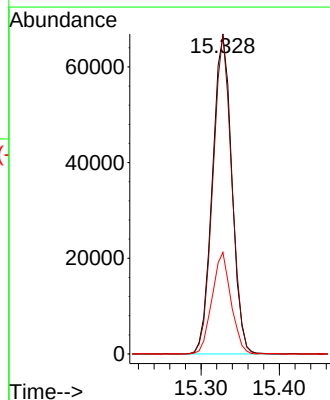
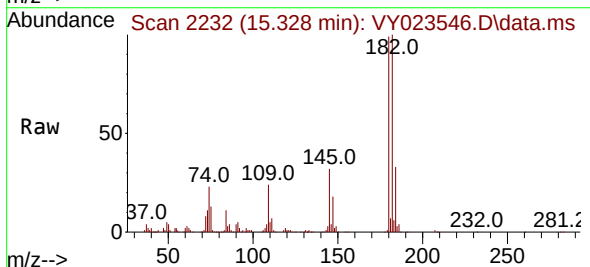
Tgt Ion:180 Resp: 114859

Ion Ratio Lower Upper

180 100

182 97.1 47.9 143.8

145 31.0 15.3 45.9



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX102925 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDICC001  | VX048407.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:02:37 PM | MMDadoda      | 10/30/2025<br>2:06:23 PM | Peak Integrated by Software |
| VSTDICC001  | VX048407.D | 1,4-Dichlorobenzene    | Amit      | 10/30/2025<br>2:02:37 PM | MMDadoda      | 10/30/2025<br>2:06:23 PM | Peak Integrated by Software |
| VSTDICC001  | VX048407.D | Ethyl Acetate          | Amit      | 10/30/2025<br>2:02:37 PM | MMDadoda      | 10/30/2025<br>2:06:23 PM | Peak Integrated by Software |
| VSTDICC005  | VX048408.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:02:43 PM | MMDadoda      | 10/30/2025<br>2:06:28 PM | Peak Integrated by Software |
| VSTDICC020  | VX048409.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:02:47 PM | MMDadoda      | 10/30/2025<br>2:06:32 PM | Peak Integrated by Software |
| VSTDICCC050 | VX048410.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:03:21 PM | MMDadoda      | 10/30/2025<br>2:06:35 PM | Peak Integrated by Software |
| VSTDICC100  | VX048411.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:03:25 PM | MMDadoda      | 10/30/2025<br>2:06:39 PM | Peak Integrated by Software |
| VSTDICC150  | VX048412.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:03:30 PM | MMDadoda      | 10/30/2025<br>2:06:42 PM | Peak Integrated by Software |
| VSTDICV050  | VX048414.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:04:18 PM | MMDadoda      | 10/30/2025<br>2:06:46 PM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX110325 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID        | File ID    | Parameter              | Review By    | Review On               | Supervised By | Supervised On           | Reason                      |
|------------------|------------|------------------------|--------------|-------------------------|---------------|-------------------------|-----------------------------|
| VSTDCCC050       | VX048445.D | 1,2,3-Trichloropropane | mmdadod<br>a | 11/4/2025 3:24:31<br>AM | mohammad      | 11/4/2025 3:29:09<br>AM | Peak Integrated by Software |
| VX1103WBS01      | VX048449.D | 1,2,3-Trichloropropane | mmdadod<br>a | 11/4/2025 3:24:36<br>AM | mohammad      | 11/4/2025 3:29:09<br>AM | Peak Integrated by Software |
| VX1103WBSD0<br>1 | VX048450.D | 1,2,3-Trichloropropane | mmdadod<br>a | 11/4/2025 3:24:39<br>AM | mohammad      | 11/4/2025 3:29:09<br>AM | Peak Integrated by Software |
| VSTDCCC050       | VX048469.D | 1,2,3-Trichloropropane | mmdadod<br>a | 11/4/2025 3:24:45<br>AM | mohammad      | 11/4/2025 3:29:09<br>AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VY100725 | Instrument | MSVOA_y |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter                 | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|---------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDIC005   | VY023384.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>2:59:48 AM | MMdadoda      | 10/10/2025<br>4:37:28 AM | Peak Integrated by Software |
| VSTDIC005   | VY023384.D | 2-Chloroethyl Vinyl ether | sam       | 10/10/2025<br>2:59:48 AM | MMdadoda      | 10/10/2025<br>4:37:28 AM | Peak Integrated by Software |
| VSTDIC005   | VY023384.D | Methacrylonitrile         | sam       | 10/10/2025<br>2:59:48 AM | MMdadoda      | 10/10/2025<br>4:37:28 AM | Peak Integrated by Software |
| VSTDIC010   | VY023385.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>2:59:52 AM | MMdadoda      | 10/10/2025<br>4:37:33 AM | Peak Integrated by Software |
| VSTDIC010   | VY023385.D | 2-Chloroethyl Vinyl ether | sam       | 10/10/2025<br>2:59:52 AM | MMdadoda      | 10/10/2025<br>4:37:33 AM | Peak Integrated by Software |
| VSTDIC020   | VY023386.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>2:59:56 AM | MMdadoda      | 10/10/2025<br>4:37:37 AM | Peak Integrated by Software |
| VSTDIC020   | VY023386.D | 2-Chloroethyl Vinyl ether | sam       | 10/10/2025<br>2:59:56 AM | MMdadoda      | 10/10/2025<br>4:37:37 AM | Peak Integrated by Software |
| VSTDIC020   | VY023386.D | Methacrylonitrile         | sam       | 10/10/2025<br>2:59:56 AM | MMdadoda      | 10/10/2025<br>4:37:37 AM | Peak Integrated by Software |
| VSTDICCC050 | VY023387.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>3:00:01 AM | MMdadoda      | 10/10/2025<br>4:37:41 AM | Peak Integrated by Software |
| VSTDIC100   | VY023388.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>3:00:05 AM | MMdadoda      | 10/10/2025<br>4:37:46 AM | Peak Integrated by Software |
| VSTDIC150   | VY023389.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>3:00:09 AM | MMdadoda      | 10/10/2025<br>4:37:51 AM | Peak Integrated by Software |
| VSTDICV050  | VY023391.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>3:00:14 AM | MMdadoda      | 10/10/2025<br>4:37:55 AM | Peak Integrated by Software |



Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VY100725 | Instrument | MSVOA_y |
|-----------|----------|------------|---------|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|-----------|---------|-----------|-----------|-----------|---------------|---------------|--------|
|-----------|---------|-----------|-----------|-----------|---------------|---------------|--------|

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VY102225 | Instrument | MSVOA_y |
|-----------|----------|------------|---------|

| Sample ID        | File ID    | Parameter              | Review By | Review On                 | Supervised By | Supervised On            | Reason                      |
|------------------|------------|------------------------|-----------|---------------------------|---------------|--------------------------|-----------------------------|
| VSTDCCC050       | VY023543.D | 1,2,3-Trichloropropane | Amit      | 10/24/2025<br>11:56:25 AM | MMDadoda      | 10/24/2025<br>2:54:05 PM | Peak Integrated by Software |
| VSTDCCC050       | VY023543.D | Methacrylonitrile      | Amit      | 10/24/2025<br>11:56:25 AM | MMDadoda      | 10/24/2025<br>2:54:05 PM | Peak Integrated by Software |
| VY1022SBS01      | VY023545.D | 1,2,3-Trichloropropane | Amit      | 10/24/2025<br>11:56:29 AM | MMDadoda      | 10/24/2025<br>2:54:10 PM | Peak Integrated by Software |
| VY1022SBSD0<br>1 | VY023546.D | 1,2,3-Trichloropropane | Amit      | 10/24/2025<br>11:56:34 AM | MMDadoda      | 10/24/2025<br>2:54:13 PM | Peak Integrated by Software |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX102925**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | Amit Patel                                            | Review On         | 10/30/2025 2:04:38 PM             |
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 10/30/2025 2:06:52 PM             |
| SubDirectory             | VX102925                                              | HP Acquire Method | HP Processing Method 82X102925W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP135960                                              |                   |                                   |
| Initial Calibration Stds | VP135996,VP135997,VP135998,VP135999,VP136000,VP136001 |                   |                                   |
| CCC                      |                                                       |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP135002                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | BFB         | VX048403.D     | 29 Oct 2025 08:39 | JC/MD    | Ok     |
| 2   | VSTDCCC050  | VX048404.D     | 29 Oct 2025 10:02 | JC/MD    | Ok     |
| 3   | IBLK        | VX048405.D     | 29 Oct 2025 10:31 | JC/MD    | Ok     |
| 4   | IBLK        | VX048406.D     | 29 Oct 2025 10:51 | JC/MD    | Ok     |
| 5   | VSTDICC001  | VX048407.D     | 29 Oct 2025 11:12 | JC/MD    | Ok,M   |
| 6   | VSTDICC005  | VX048408.D     | 29 Oct 2025 11:41 | JC/MD    | Ok,M   |
| 7   | VSTDICC020  | VX048409.D     | 29 Oct 2025 12:01 | JC/MD    | Ok,M   |
| 8   | VSTDICCC050 | VX048410.D     | 29 Oct 2025 12:22 | JC/MD    | Ok,M   |
| 9   | VSTDICC100  | VX048411.D     | 29 Oct 2025 12:43 | JC/MD    | Ok,M   |
| 10  | VSTDICC150  | VX048412.D     | 29 Oct 2025 13:03 | JC/MD    | Ok,M   |
| 11  | IBLK        | VX048413.D     | 29 Oct 2025 13:24 | JC/MD    | Ok     |
| 12  | VSTDICV050  | VX048414.D     | 29 Oct 2025 14:27 | JC/MD    | Ok,M   |

M : Manual Integration



Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX110325**

|                                         |                |                   |                      |                      |              |
|-----------------------------------------|----------------|-------------------|----------------------|----------------------|--------------|
| Review By                               | Mahesh Dadoda  | Review On         | 11/4/2025 3:28:58 AM |                      |              |
| Supervise By                            | mohammad ahmed | Supervise On      | 11/4/2025 3:29:09 AM |                      |              |
| SubDirectory                            | VX110325       | HP Acquire Method | MSVOA_X              | HP Processing Method | 82X102925W.M |
| STD. NAME                               |                | STD REF.#         |                      |                      |              |
| Tune/Reschk<br>Initial Calibration Stds |                | VP136024          |                      |                      |              |
| CCC                                     |                | VP136025,VP136023 |                      |                      |              |
| Internal Standard/PEM                   |                | VP133935          |                      |                      |              |
| ICV/I.BLK                               |                |                   |                      |                      |              |
| Surrogate Standard                      |                |                   |                      |                      |              |
| MS/MSD Standard                         |                |                   |                      |                      |              |
| LCS Standard                            |                |                   |                      |                      |              |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VX048444.D     | 03 Nov 2025 08:20 | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VX048445.D     | 03 Nov 2025 09:14 | JC/MD    | Ok,M     |
| 3   | VX1103MBL01  | VX048446.D     | 03 Nov 2025 09:40 | JC/MD    | Ok       |
| 4   | VX1103WBL01  | VX048447.D     | 03 Nov 2025 11:25 | JC/MD    | Ok       |
| 5   | VX1103MBS01  | VX048448.D     | 03 Nov 2025 11:52 | JC/MD    | Not Ok   |
| 6   | VX1103WBS01  | VX048449.D     | 03 Nov 2025 12:21 | JC/MD    | Ok,M     |
| 7   | VX1103WBSD01 | VX048450.D     | 03 Nov 2025 12:44 | JC/MD    | Ok,M     |
| 8   | VX1103MBS02  | VX048451.D     | 03 Nov 2025 13:06 | JC/MD    | Not Ok   |
| 9   | Q3506-02     | VX048452.D     | 03 Nov 2025 13:37 | JC/MD    | Ok       |
| 10  | Q3506-03RE   | VX048453.D     | 03 Nov 2025 13:58 | JC/MD    | Confirms |
| 11  | Q3510-01     | VX048454.D     | 03 Nov 2025 14:18 | JC/MD    | Ok       |
| 12  | Q3511-01     | VX048455.D     | 03 Nov 2025 14:39 | JC/MD    | Ok       |
| 13  | Q3495-03     | VX048456.D     | 03 Nov 2025 14:59 | JC/MD    | ReRun    |
| 14  | Q3495-04     | VX048457.D     | 03 Nov 2025 15:20 | JC/MD    | Ok       |
| 15  | Q3422-02     | VX048458.D     | 03 Nov 2025 15:41 | JC/MD    | Ok       |
| 16  | Q3518-02     | VX048459.D     | 03 Nov 2025 16:01 | JC/MD    | ReRun    |
| 17  | Q3494-02     | VX048460.D     | 03 Nov 2025 16:22 | JC/MD    | Ok       |
| 18  | Q3505-05     | VX048461.D     | 03 Nov 2025 16:42 | JC/MD    | Ok       |
| 19  | Q3505-06     | VX048462.D     | 03 Nov 2025 17:03 | JC/MD    | Not Ok   |
| 20  | Q3500-03     | VX048463.D     | 03 Nov 2025 17:24 | JC/MD    | ReRun    |
| 21  | Q3500-05     | VX048464.D     | 03 Nov 2025 17:44 | JC/MD    | ReRun    |

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QCBatch ID # VX110325**

| Review By                               | Mahesh Dadoda  | Review On         | 11/4/2025 3:28:58 AM |                      |              |
|-----------------------------------------|----------------|-------------------|----------------------|----------------------|--------------|
| Supervise By                            | mohammad ahmed | Supervise On      | 11/4/2025 3:29:09 AM |                      |              |
| SubDirectory                            | VX110325       | HP Acquire Method | MSVOA_X              | HP Processing Method | 82X102925W.M |
| STD. NAME                               |                | STD REF.#         |                      |                      |              |
| Tune/Reschk<br>Initial Calibration Stds |                | VP136024          |                      |                      |              |
| CCC                                     |                | VP136025,VP136023 |                      |                      |              |
| Internal Standard/PEM                   |                | VP133935          |                      |                      |              |
| ICV/I.BLK                               |                |                   |                      |                      |              |
| Surrogate Standard                      |                |                   |                      |                      |              |
| MS/MSD Standard                         |                |                   |                      |                      |              |
| LCS Standard                            |                |                   |                      |                      |              |

|    |            |            |                   |       |        |
|----|------------|------------|-------------------|-------|--------|
| 22 | Q3505-04   | VX048465.D | 03 Nov 2025 18:05 | JC/MD | Not Ok |
| 23 | Q3521-03   | VX048466.D | 03 Nov 2025 18:25 | JC/MD | Not Ok |
| 24 | VIBLK      | VX048467.D | 03 Nov 2025 18:46 | JC/MD | Ok     |
| 25 | VIBLK      | VX048468.D | 03 Nov 2025 19:06 | JC/MD | Ok     |
| 26 | VSTDCCC050 | VX048469.D | 03 Nov 2025 19:27 | JC/MD | Ok,M   |

M : Manual Integration

Instrument ID: **MSVOA\_Y**

**Daily Analysis Runlog For Sequence/QC Batch ID # VY100725**

| Review By                | Semsettin Yesilyurt | Review On                                             | 10/10/2025 3:00:22 AM |                      |              |
|--------------------------|---------------------|-------------------------------------------------------|-----------------------|----------------------|--------------|
| Supervise By             | Mahesh Dadoda       | Supervise On                                          | 10/10/2025 4:38:02 AM |                      |              |
| SubDirectory             | VY100725            | HP Acquire Method                                     | MSVOA_Y               | HP Processing Method | 82y100725s.m |
| STD. NAME                |                     | STD REF.#                                             |                       |                      |              |
| Tune/Reschk              |                     | VP135766                                              |                       |                      |              |
| Initial Calibration Stds |                     | VP135767,VP135768,VP135769,VP135770,VP135771,VP135772 |                       |                      |              |
| CCC                      |                     |                                                       |                       |                      |              |
| Internal Standard/PEM    |                     | VP133934                                              |                       |                      |              |
| ICV/I.BLK                |                     | VP135773                                              |                       |                      |              |
| Surrogate Standard       |                     |                                                       |                       |                      |              |
| MS/MSD Standard          |                     |                                                       |                       |                      |              |
| LCS Standard             |                     |                                                       |                       |                      |              |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status |
|-----|------------|----------------|-------------------|----------|--------|
| 1   | BFB        | VY023383.D     | 07 Oct 2025 08:43 | SY/MD    | Ok     |
| 2   | VSTDIC005  | VY023384.D     | 07 Oct 2025 09:17 | SY/MD    | Ok,M   |
| 3   | VSTDIC010  | VY023385.D     | 07 Oct 2025 10:02 | SY/MD    | Ok,M   |
| 4   | VSTDIC020  | VY023386.D     | 07 Oct 2025 11:24 | SY/MD    | Ok,M   |
| 5   | VSTDIC050  | VY023387.D     | 07 Oct 2025 11:47 | SY/MD    | Ok,M   |
| 6   | VSTDIC100  | VY023388.D     | 07 Oct 2025 12:09 | SY/MD    | Ok,M   |
| 7   | VSTDIC150  | VY023389.D     | 07 Oct 2025 12:32 | SY/MD    | Ok,M   |
| 8   | VIBLK      | VY023390.D     | 07 Oct 2025 13:02 | SY/MD    | Ok     |
| 9   | VSTDICV050 | VY023391.D     | 07 Oct 2025 14:12 | SY/MD    | Ok,M   |

M : Manual Integration

Instrument ID: **MSVOA\_Y**

**Daily Analysis Runlog For Sequence/QCBatch ID # VY102225**

|                                         |               |                   |                       |                      |              |
|-----------------------------------------|---------------|-------------------|-----------------------|----------------------|--------------|
| Review By                               | John Carlone  | Review On         | 10/24/2025 2:07:41 PM |                      |              |
| Supervise By                            | Mahesh Dadoda | Supervise On      | 10/24/2025 2:54:27 PM |                      |              |
| SubDirectory                            | VY102225      | HP Acquire Method | MSVOA_Y               | HP Processing Method | 82y100725s.m |
| STD. NAME                               |               | STD REF.#         |                       |                      |              |
| Tune/Reschk<br>Initial Calibration Stds |               | VP135879          |                       |                      |              |
| CCC                                     |               | VP135880,VP135881 |                       |                      |              |
| Internal Standard/PEM                   |               | VP133934          |                       |                      |              |
| ICV/I.BLK                               |               |                   |                       |                      |              |
| Surrogate Standard                      |               |                   |                       |                      |              |
| MS/MSD Standard                         |               |                   |                       |                      |              |
| LCS Standard                            |               |                   |                       |                      |              |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VY023542.D     | 22 Oct 2025 09:00 | SY/MD    | Ok       |
| 2   | VSTDCCC050   | VY023543.D     | 22 Oct 2025 09:30 | SY/MD    | Ok,M     |
| 3   | VY1022SBL01  | VY023544.D     | 22 Oct 2025 10:00 | SY/MD    | Ok       |
| 4   | VY1022SBS01  | VY023545.D     | 22 Oct 2025 10:28 | SY/MD    | Ok,M     |
| 5   | VY1022SBSD01 | VY023546.D     | 22 Oct 2025 10:51 | SY/MD    | Ok,M     |
| 6   | Q3395-04MSD  | VY023547.D     | 22 Oct 2025 11:28 | SY/MD    | Not Ok   |
| 7   | Q3416-01     | VY023548.D     | 22 Oct 2025 12:03 | SY/MD    | Ok       |
| 8   | Q3404-01RE   | VY023549.D     | 22 Oct 2025 12:52 | SY/MD    | Confirms |
| 9   | Q3427-03     | VY023550.D     | 22 Oct 2025 13:43 | SY/MD    | Ok       |
| 10  | Q3419-01     | VY023551.D     | 22 Oct 2025 14:07 | SY/MD    | Ok       |
| 11  | Q3419-04     | VY023552.D     | 22 Oct 2025 15:34 | SY/MD    | Ok       |
| 12  | Q3419-05     | VY023553.D     | 22 Oct 2025 15:58 | SY/MD    | Ok       |
| 13  | Q3422-01     | VY023554.D     | 22 Oct 2025 16:22 | SY/MD    | Ok       |
| 14  | Q3424-01     | VY023555.D     | 22 Oct 2025 16:46 | SY/MD    | Ok       |
| 15  | Q3424-02     | VY023556.D     | 22 Oct 2025 17:10 | SY/MD    | Ok       |
| 16  | Q3424-03     | VY023557.D     | 22 Oct 2025 17:35 | SY/MD    | Ok       |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX102925**

|              |               |                   |                                   |
|--------------|---------------|-------------------|-----------------------------------|
| Review By    | Amit Patel    | Review On         | 10/30/2025 2:04:38 PM             |
| Supervise By | Mahesh Dadoda | Supervise On      | 10/30/2025 2:06:52 PM             |
| SubDirectory | VX102925      | HP Acquire Method | HP Processing Method 82X102925W.M |

| STD. NAME                | STD REF.#                                             |
|--------------------------|-------------------------------------------------------|
| Tune/Reschk              | VP135960                                              |
| Initial Calibration Stds | VP135996,VP135997,VP135998,VP135999,VP136000,VP136001 |
| CCC                      |                                                       |
| Internal Standard/PEM    |                                                       |
| ICV/I.BLK                | VP135002                                              |
| Surrogate Standard       |                                                       |
| MS/MSD Standard          |                                                       |
| LCS Standard             |                                                       |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|---------|----------|--------|
| 1   | BFB         | BFB         | VX048403.D     | 29 Oct 2025 08:39 |         | JC/MD    | Ok     |
| 2   | VSTDCCC050  | VSTDCCC050  | VX048404.D     | 29 Oct 2025 10:02 |         | JC/MD    | Ok     |
| 3   | IBLK        | IBLK        | VX048405.D     | 29 Oct 2025 10:31 |         | JC/MD    | Ok     |
| 4   | IBLK        | IBLK        | VX048406.D     | 29 Oct 2025 10:51 |         | JC/MD    | Ok     |
| 5   | VSTDICC001  | VSTDICC001  | VX048407.D     | 29 Oct 2025 11:12 | LR-58   | JC/MD    | Ok,M   |
| 6   | VSTDICC005  | VSTDICC005  | VX048408.D     | 29 Oct 2025 11:41 |         | JC/MD    | Ok,M   |
| 7   | VSTDICC020  | VSTDICC020  | VX048409.D     | 29 Oct 2025 12:01 |         | JC/MD    | Ok,M   |
| 8   | VSTDICCC050 | VSTDICCC050 | VX048410.D     | 29 Oct 2025 12:22 |         | JC/MD    | Ok,M   |
| 9   | VSTDICC100  | VSTDICC100  | VX048411.D     | 29 Oct 2025 12:43 |         | JC/MD    | Ok,M   |
| 10  | VSTDICC150  | VSTDICC150  | VX048412.D     | 29 Oct 2025 13:03 |         | JC/MD    | Ok,M   |
| 11  | IBLK        | IBLK        | VX048413.D     | 29 Oct 2025 13:24 |         | JC/MD    | Ok     |
| 12  | VSTDICV050  | ICVVX102925 | VX048414.D     | 29 Oct 2025 14:27 |         | JC/MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX110325**

|              |                |                   |                                           |
|--------------|----------------|-------------------|-------------------------------------------|
| Review By    | Maresh Dadoda  | Review On         | 11/4/2025 3:28:58 AM                      |
| Supervise By | mohammad ahmed | Supervise On      | 11/4/2025 3:29:09 AM                      |
| SubDirectory | VX110325       | HP Acquire Method | MSVOA_X HP Processing Method 82X102925W.M |

| STD. NAME                                                                                          | STD REF.#                     |
|----------------------------------------------------------------------------------------------------|-------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136024                      |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136025,VP136023<br>VP133935 |

| Sr# | SampleID     | ClientID           | Data File Name | Date-Time         | Comment        | Operator | Status   |
|-----|--------------|--------------------|----------------|-------------------|----------------|----------|----------|
| 1   | BFB          | BFB                | VX048444.D     | 03 Nov 2025 08:20 |                | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050         | VX048445.D     | 03 Nov 2025 09:14 |                | JC/MD    | Ok,M     |
| 3   | VX1103MBL01  | VX1103MBL01        | VX048446.D     | 03 Nov 2025 09:40 |                | JC/MD    | Ok       |
| 4   | VX1103WBL01  | VX1103WBL01        | VX048447.D     | 03 Nov 2025 11:25 |                | JC/MD    | Ok       |
| 5   | VX1103MBS01  | VX1103WBS01        | VX048448.D     | 03 Nov 2025 11:52 |                | JC/MD    | Not Ok   |
| 6   | VX1103WBS01  | VX1103WBS01        | VX048449.D     | 03 Nov 2025 12:21 |                | JC/MD    | Ok,M     |
| 7   | VX1103WBSD01 | VX1103WBSD01       | VX048450.D     | 03 Nov 2025 12:44 |                | JC/MD    | Ok,M     |
| 8   | VX1103MBS02  | VX1103MBS02        | VX048451.D     | 03 Nov 2025 13:06 |                | JC/MD    | Not Ok   |
| 9   | Q3506-02     | STORAGE-BLANK-WA   | VX048452.D     | 03 Nov 2025 13:37 |                | JC/MD    | Ok       |
| 10  | Q3506-03RE   | STORAGE-BLANK-WA   | VX048453.D     | 03 Nov 2025 13:58 | Surrogate fail | JC/MD    | Confirms |
| 11  | Q3510-01     | OUTFALL-002        | VX048454.D     | 03 Nov 2025 14:18 |                | JC/MD    | Ok       |
| 12  | Q3511-01     | OUTFALL-001        | VX048455.D     | 03 Nov 2025 14:39 |                | JC/MD    | Ok       |
| 13  | Q3495-03     | TW-1025-1          | VX048456.D     | 03 Nov 2025 14:59 | Surrogate fail | JC/MD    | ReRun    |
| 14  | Q3495-04     | TB                 | VX048457.D     | 03 Nov 2025 15:20 | TB             | JC/MD    | Ok       |
| 15  | Q3422-02     | PR132-FB2-20251021 | VX048458.D     | 03 Nov 2025 15:41 | FB             | JC/MD    | Ok       |
| 16  | Q3518-02     | 50831              | VX048459.D     | 03 Nov 2025 16:01 | Surrogate fail | JC/MD    | ReRun    |
| 17  | Q3494-02     | Field              | VX048460.D     | 03 Nov 2025 16:22 | FB             | JC/MD    | Ok       |
| 18  | Q3505-05     | 10-16-25-WATER     | VX048461.D     | 03 Nov 2025 16:42 |                | JC/MD    | Ok       |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX110325**

| Review By                               | Mahesh Dadoda  | Review On         | 11/4/2025 3:28:58 AM |                      |              |
|-----------------------------------------|----------------|-------------------|----------------------|----------------------|--------------|
| Supervise By                            | mohammad ahmed | Supervise On      | 11/4/2025 3:29:09 AM |                      |              |
| SubDirectory                            | VX110325       | HP Acquire Method | MSVOA_X              | HP Processing Method | 82X102925W.M |
| STD. NAME                               |                | STD REF.#         |                      |                      |              |
| Tune/Reschk<br>Initial Calibration Stds |                | VP136024          |                      |                      |              |
| CCC                                     |                | VP136025,VP136023 |                      |                      |              |
| Internal Standard/PEM                   |                | VP133935          |                      |                      |              |
| ICV/I.BLK                               |                |                   |                      |                      |              |
| Surrogate Standard                      |                |                   |                      |                      |              |
| MS/MSD Standard                         |                |                   |                      |                      |              |
| LCS Standard                            |                |                   |                      |                      |              |

|    |            |                |            |                   |                                                                                                   |       |        |
|----|------------|----------------|------------|-------------------|---------------------------------------------------------------------------------------------------|-------|--------|
| 19 | Q3505-06   | 10-17-25-WATER | VX048462.D | 03 Nov 2025 17:03 | Already Analyzed;Not Match With First run;Changed Sam.ID from Q3505-02 to Q3505-06,Please confirm | JC/MD | Not Ok |
| 20 | Q3500-03   | 463            | VX048463.D | 03 Nov 2025 17:24 | Internal standard fail;Surrogate fail                                                             | JC/MD | ReRun  |
| 21 | Q3500-05   | 461-LIQUID     | VX048464.D | 03 Nov 2025 17:44 | Surrogate fail                                                                                    | JC/MD | ReRun  |
| 22 | Q3505-04   | 10-10-25-WATER | VX048465.D | 03 Nov 2025 18:05 | Need Straight Run                                                                                 | JC/MD | Not Ok |
| 23 | Q3521-03   | TANK-2025      | VX048466.D | 03 Nov 2025 18:25 | Need Straight Run                                                                                 | JC/MD | Not Ok |
| 24 | VIBLK      | VIBLK          | VX048467.D | 03 Nov 2025 18:46 |                                                                                                   | JC/MD | Ok     |
| 25 | VIBLK      | VIBLK          | VX048468.D | 03 Nov 2025 19:06 |                                                                                                   | JC/MD | Ok     |
| 26 | VSTDCCC050 | VSTDCCC050EC   | VX048469.D | 03 Nov 2025 19:27 |                                                                                                   | JC/MD | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY100725**

|              |                     |                      |                       |
|--------------|---------------------|----------------------|-----------------------|
| Review By    | Semsettin Yesilyurt | Review On            | 10/10/2025 3:00:22 AM |
| Supervise By | Maresh Dadoda       | Supervise On         | 10/10/2025 4:38:02 AM |
| SubDirectory | VY100725            | HP Acquire Method    | MSVOA_Y               |
|              |                     | HP Processing Method | 82y100725s.m          |

| STD. NAME                | STD REF.#                                             |
|--------------------------|-------------------------------------------------------|
| Tune/Reschk              | VP135766                                              |
| Initial Calibration Stds | VP135767,VP135768,VP135769,VP135770,VP135771,VP135772 |
| CCC                      |                                                       |
| Internal Standard/PEM    | VP133934                                              |
| ICV/I.BLK                | VP135773                                              |
| Surrogate Standard       |                                                       |
| MS/MSD Standard          |                                                       |
| LCS Standard             |                                                       |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|---------|----------|--------|
| 1   | BFB         | BFB         | VY023383.D     | 07 Oct 2025 08:43 |         | SY/MD    | Ok     |
| 2   | VSTDICC005  | VSTDICC005  | VY023384.D     | 07 Oct 2025 09:17 |         | SY/MD    | Ok,M   |
| 3   | VSTDICC010  | VSTDICC010  | VY023385.D     | 07 Oct 2025 10:02 |         | SY/MD    | Ok,M   |
| 4   | VSTDICC020  | VSTDICC020  | VY023386.D     | 07 Oct 2025 11:24 |         | SY/MD    | Ok,M   |
| 5   | VSTDICCC050 | VSTDICCC050 | VY023387.D     | 07 Oct 2025 11:47 |         | SY/MD    | Ok,M   |
| 6   | VSTDICC100  | VSTDICC100  | VY023388.D     | 07 Oct 2025 12:09 |         | SY/MD    | Ok,M   |
| 7   | VSTDICC150  | VSTDICC150  | VY023389.D     | 07 Oct 2025 12:32 |         | SY/MD    | Ok,M   |
| 8   | VIBLK       | VIBLK       | VY023390.D     | 07 Oct 2025 13:02 |         | SY/MD    | Ok     |
| 9   | VSTDICV050  | ICVVY100725 | VY023391.D     | 07 Oct 2025 14:12 |         | SY/MD    | Ok,M   |

M : Manual Integration



Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY102225**

|              |               |                   |                                           |
|--------------|---------------|-------------------|-------------------------------------------|
| Review By    | John Carlone  | Review On         | 10/24/2025 2:07:41 PM                     |
| Supervise By | Mahesh Dadoda | Supervise On      | 10/24/2025 2:54:27 PM                     |
| SubDirectory | VY102225      | HP Acquire Method | MSVOA_Y HP Processing Method 82y100725s.m |

| STD. NAME                                                                                          | STD REF.#                     |
|----------------------------------------------------------------------------------------------------|-------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135879                      |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135880,VP135881<br>VP133934 |

| Sr# | SampleID     | ClientID             | Data File Name | Date-Time         | Comment                       | Operator | Status   |
|-----|--------------|----------------------|----------------|-------------------|-------------------------------|----------|----------|
| 1   | BFB          | BFB                  | VY023542.D     | 22 Oct 2025 09:00 |                               | SY/MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050           | VY023543.D     | 22 Oct 2025 09:30 |                               | SY/MD    | Ok,M     |
| 3   | VY1022SBL01  | VY1022SBL01          | VY023544.D     | 22 Oct 2025 10:00 |                               | SY/MD    | Ok       |
| 4   | VY1022SBS01  | VY1022SBS01          | VY023545.D     | 22 Oct 2025 10:28 |                               | SY/MD    | Ok,M     |
| 5   | VY1022SBSD01 | VY1022SBSD01         | VY023546.D     | 22 Oct 2025 10:51 |                               | SY/MD    | Ok,M     |
| 6   | Q3395-04MSD  | PR132-S07-000102-20  | VY023547.D     | 22 Oct 2025 11:28 | vial-B Internal Standard Fail | SY/MD    | Not Ok   |
| 7   | Q3416-01     | NB-08-10212025       | VY023548.D     | 22 Oct 2025 12:03 | vial-A                        | SY/MD    | Ok       |
| 8   | Q3404-01RE   | MOO-25-0285-0288RE   | VY023549.D     | 22 Oct 2025 12:52 | vial-B Internal standard fail | SY/MD    | Confirms |
| 9   | Q3427-03     | TP-8-VOC             | VY023550.D     | 22 Oct 2025 13:43 | vial-A                        | SY/MD    | Ok       |
| 10  | Q3419-01     | PR-132-S16-015094-20 | VY023551.D     | 22 Oct 2025 14:07 | vial-A                        | SY/MD    | Ok       |
| 11  | Q3419-04     | PR132-S16-119133-20  | VY023552.D     | 22 Oct 2025 15:34 | vial-A                        | SY/MD    | Ok       |
| 12  | Q3419-05     | PR132-S16-094119-20  | VY023553.D     | 22 Oct 2025 15:58 | vial-A                        | SY/MD    | Ok       |
| 13  | Q3422-01     | PR132-S15-000008-20  | VY023554.D     | 22 Oct 2025 16:22 | vial-A                        | SY/MD    | Ok       |
| 14  | Q3424-01     | PR132-DP3-20251021   | VY023555.D     | 22 Oct 2025 16:46 | vial-A                        | SY/MD    | Ok       |
| 15  | Q3424-02     | PR132-S11-010080-20  | VY023556.D     | 22 Oct 2025 17:10 | vial-A                        | SY/MD    | Ok       |
| 16  | Q3424-03     | PR132-S14-000094-20  | VY023557.D     | 22 Oct 2025 17:35 | vial-A                        | SY/MD    | Ok       |

M : Manual Integration

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/23/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:15  
In Date: 10/22/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104  
Time OUT: 08:15  
Out Date: 10/23/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID-OVEN

QC:LB137614

| Lab ID   | Client SampleID            | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments    |
|----------|----------------------------|--------|----------------|--------------|-------------------------|---------------------------|---------|-------------|
| Q3419-01 | PR-132-S16-015094-20251021 | 1      | 1.15           | 11.01        | 12.16                   | 7.14                      | 54.4    |             |
| Q3419-02 | Q3419-01MS                 | 2      | 1.15           | 11.01        | 12.16                   | 7.14                      | 54.4    |             |
| Q3419-03 | Q3419-01MSD                | 3      | 1.15           | 11.01        | 12.16                   | 7.14                      | 54.4    |             |
| Q3419-04 | PR-132-S16-119133-20251021 | 4      | 1.16           | 10.07        | 11.23                   | 6.37                      | 51.7    |             |
| Q3419-05 | PR-132-S16-094119-20251021 | 5      | 1.19           | 11.07        | 12.26                   | 6.38                      | 46.9    |             |
| Q3422-01 | PR132-S15-000008-20251017  | 6      | 1.18           | 11.02        | 12.2                    | 7.58                      | 58.1    |             |
| Q3424-01 | PR132-DP3-20251021         | 7      | 1.15           | 10.36        | 11.51                   | 5.91                      | 45.9    |             |
| Q3424-02 | PR132-S11-010080-20251021  | 8      | 1.12           | 10.72        | 11.84                   | 6.49                      | 50.1    |             |
| Q3424-03 | PR132-S14-00094-20251021   | 9      | 1.14           | 11.34        | 12.48                   | 6.82                      | 50.1    |             |
| Q3427-01 | TP-8                       | 10     | 1.11           | 10.77        | 11.88                   | 10.84                     | 90.3    |             |
| Q3427-02 | TP-8-EPH                   | 11     | 1.18           | 10.97        | 12.15                   | 10.98                     | 89.3    |             |
| Q3427-03 | TP-8-VOC                   | 12     | 1.19           | 10.26        | 11.45                   | 10.52                     | 90.9    |             |
| Q3429-01 | 40309                      | 13     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | WIPE SAMPLE |
| Q3429-02 | 40310                      | 14     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | WIPE SAMPLE |
| Q3430-01 | BUR-25-0095                | 15     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | WIPE SAMPLE |
| Q3431-01 | EO-02-10222025             | 16     | 1.11           | 10.55        | 11.66                   | 10.64                     | 90.3    |             |
| Q3431-02 | EO-02-10222025-E2          | 17     | 1.17           | 10.59        | 11.76                   | 10.59                     | 89.0    |             |
| Q3434-01 | PR132-WC1-20251022         | 18     | 1.13           | 10.43        | 11.56                   | 7.17                      | 57.9    |             |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

UB 137614

WorkList Name : %1-102225

WorkList ID : 192597

Department : Wet-Chemistry

Date : 10-22-2025 09:03:13

| Sample   | Customer Sample            | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|----------------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3419-01 | PR-132-S16-015094-20251021 | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3419-02 | Q3419-01MS                 | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3419-03 | Q3419-01MSD                | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3419-04 | PR-132-S16-119133-20251021 | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3419-05 | PR-132-S16-094119-20251021 | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3422-01 | PR132-S15-000008-20251017  | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3424-01 | PR132-DP3-20251021         | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D31                         | 10/21/2025   | Chemtech -SO |
| Q3424-02 | PR132-S11-010080-20251021  | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D31                         | 10/21/2025   | Chemtech -SO |
| Q3424-03 | PR132-S14-00094-20251021   | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D31                         | 10/21/2025   | Chemtech -SO |
| Q3427-01 | TP-8                       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3427-02 | TP-8-EPH                   | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3427-03 | TP-8-VOC                   | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3429-01 | 40309                      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D51                         | 10/22/2025   | Chemtech -SO |
| Q3429-02 | 40310                      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D51                         | 10/22/2025   | Chemtech -SO |
| Q3430-01 | BUR-25-0095                | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D51                         | 10/22/2025   | Chemtech -SO |
| Q3431-01 | EO-02-10222025             | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | D41                         | 10/22/2025   | Chemtech -SO |
| Q3431-02 | EO-02-10222025-E2          | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | D41                         | 10/22/2025   | Chemtech -SO |
| Q3434-01 | PR132-WC1-20251022         | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/22/2025   | Chemtech -SO |

Date/Time 10/22/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Q3422-VOC-TCLVOA-10

Date/Time 10/22/25 17:25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

## Prep Standard - Chemical Standard Summary

**Order ID :** Q3422

**Test :** VOC-TCLVOA-10

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** VX110325,VY102225,

**Standard ID :**

VP133934,VP133935,VP133953,VP134142,VP134147,VP134149,VP134150,VP134933,VP134934,VP134957,VP135552,VP135553,VP135834,VP135835,VP135879,VP135880,VP135881,VP136023,VP136024,VP136025,

**Chemical ID :**

V13391,V14200,V14204,V14205,V14290,V14509,V14510,V14531,V14532,V14625,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14727,V14728,V14803,V14815,V14844,V14906,V14921,V14928,V14929,V14951,V14952,V15073,V15074,V15075,W3112,

## VOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                   | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 1917             | 8260 Internal standard 50 ppm | <a href="#">VP133934</a> | 05/16/2025       | 11/12/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
| 05/21/2025       |                               |                          |                  |                        |                     |                |                  |                      |

**FROM** 0.10000ml of V14290 + 49.90000ml of V14921 = Final Quantity: 50.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                    | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 247              | 8260 Internal Standard, 250PPM | <a href="#">VP133935</a> | 05/16/2025       | 11/12/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
| 05/21/2025       |                                |                          |                  |                        |                     |                |                  |                      |

**FROM** 0.25000ml of V14290 + 24.75000ml of V14921 = Final Quantity: 25.000 ml

## VOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u> | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 218              | BFB, 25PPM  | <a href="#">VP133953</a> | 05/19/2025       | 11/09/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
| 05/21/2025       |             |                          |                  |                        |                     |                |                  |                      |

**FROM** 0.25000ml of V13391 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                 | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 719              | 8260 Working STD (BCM)-First source, 400PPM | <a href="#">VP134142</a> | 06/06/2025       | 12/06/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
| 06/10/2025       |                                             |                          |                  |                        |                     |                |                  |                      |

**FROM** 1.00000ml of V14668 + 1.00000ml of V14671 + 1.00000ml of V14673 + 1.00000ml of V14675 + 16.00000ml of V14929 = Final Quantity: 20.000 ml

## VOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                 | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 252              | 8260 Working STD (BCM)-First source, 100PPM | <a href="#">VP134147</a> | 06/06/2025       | 12/06/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                                             |                          |                  |                        |                     |                |                  | 06/10/2025           |

**FROM** 1.00000ml of V14673 + 19.00000ml of V14929 = Final Quantity: 20.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                    | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 1810             | 8260 Working Std(2-CVE)-800ppm | <a href="#">VP134149</a> | 06/06/2025       | 12/06/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                                |                          |                  |                        |                     |                |                  | 06/10/2025           |

**FROM** 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

## VOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                    | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 1811             | 8260 Working Std(2-CVE)-500ppm | <a href="#">VP134150</a> | 06/06/2025       | 12/06/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                                |                          |                  |                        |                     |                |                  | 06/10/2025           |

**FROM** 7.50000ml of V14929 + 12.50000ml of VP134149 = Final Quantity: 20.000 ml

| <u>Recipe ID</u> | <u>NAME</u>            | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 617              | 8260 Surrogate, 400PPM | <a href="#">VP134933</a> | 07/29/2025       | 01/29/2026             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                        |                          |                  |                        |                     |                |                  | 08/19/2025           |

**FROM** 0.40000ml of V14906 + 24.60000ml of V14625 = Final Quantity: 25.000 ml



## VOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>            | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 249              | 8260 Surrogate, 100PPM | <a href="#">VP134934</a> | 07/29/2025       | 01/29/2026             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
| 08/06/2025       |                        |                          |                  |                        |                     |                |                  |                      |

**FROM** 0.10000ml of V14906 + 24.90000ml of V14625 = Final Quantity: 25.000 ml

| <u>Recipe ID</u> | <u>NAME</u> | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 218              | BFB, 25PPM  | <a href="#">VP134957</a> | 08/01/2025       | 11/22/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
| 08/06/2025       |             |                          |                  |                        |                     |                |                  |                      |

**FROM** 0.50000ml of V13391 + 49.50000ml of V14625 = Final Quantity: 50.000 ml

## VOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                              | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>     | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>            |
|------------------|----------------------------------------------------------|--------------------------|------------------|------------------------|------------------------|----------------|------------------|---------------------------------|
| 257              | 8260 Calibration Working STD<br>Mix-First source, 160PPM | <a href="#">VP135552</a> | 09/22/2025       | 11/03/2025             | Semsettin<br>Yesilyurt | None           | None             | Maresh Dadoda<br><br>09/26/2025 |

**FROM** 0.40000ml of V14844 + 1.00000ml of V14200 + 1.00000ml of V14509 + 1.00000ml of V14510 + 1.00000ml of V14531 + 1.00000ml of V14532 + 1.00000ml of V14727 + 1.00000ml of V14728 + 1.00000ml of V14803 + 1.00000ml of V14815 + 1.00000ml of V14951 + 1.00000ml of V14952 + 1.50000ml of V14204 + 1.50000ml of V14205 + 10.60000ml of V14928 = Final Quantity: 25.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                              | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>     | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>            |
|------------------|----------------------------------------------------------|--------------------------|------------------|------------------------|------------------------|----------------|------------------|---------------------------------|
| 244              | 8260 Calibration Working STD<br>Mix-First source, 100PPM | <a href="#">VP135553</a> | 09/22/2025       | 11/03/2025             | Semsettin<br>Yesilyurt | None           | None             | Maresh Dadoda<br><br>09/26/2025 |

**FROM** 5.62500ml of V14928 + 9.37500ml of VP135552 = Final Quantity: 15.000 ml

## VOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                       | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 51               | 8260 Working STD (Acrolein) -first source, 800PPM | <a href="#">VP135834</a> | 10/17/2025       | 11/16/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                                                   |                          |                  |                        |                     |                |                  | 10/17/2025           |

**FROM** 1.00000ml of V15073 + 1.50000ml of V15074 + 1.50000ml of V15075 + 21.00000ml of V14928 = Final Quantity: 25.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                       | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 56               | 8260 Working STD (Acrolein) -first source, 500PPM | <a href="#">VP135835</a> | 10/17/2025       | 11/16/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                                                   |                          |                  |                        |                     |                |                  | 10/17/2025           |

**FROM** 7.50000ml of V14928 + 12.50000ml of VP135834 = Final Quantity: 20.000 ml

## VOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>           | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 732              | BFB TUNE CHECK - SOIL | <a href="#">VP135879</a> | 10/22/2025       | 10/23/2025             | Amit Patel         | None           | None             | Maresh Dadoda        |
|                  |                       |                          |                  |                        |                    |                |                  | 10/23/2025           |

**FROM** 4.99800ml of W3112 + 0.00200ml of VP134957 = Final Quantity: 5.000 ml

| <u>Recipe ID</u> | <u>NAME</u>           | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 773              | 50 PPB CCC, 8260-SOIL | <a href="#">VP135880</a> | 10/22/2025       | 10/23/2025             | Amit Patel         | None           | None             | Maresh Dadoda        |
|                  |                       |                          |                  |                        |                    |                |                  | 10/23/2025           |

**FROM** 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135553  
+ 0.00250ml of VP135835 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

## VOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>           | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 773              | 50 PPB CCC, 8260-SOIL | <a href="#">VP135881</a> | 10/22/2025       | 10/23/2025             | Amit Patel         | None           | None             | Maresh Dadoda        |
|                  |                       |                          |                  |                        |                    |                |                  | 10/23/2025           |

**FROM** 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135553 + 0.00250ml of VP135835 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

| <u>Recipe ID</u> | <u>NAME</u>    | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 589              | BFB TUNE CHECK | <a href="#">VP136023</a> | 11/03/2025       | 11/04/2025             | Maresh Dadoda      | None           | None             | mohammad ahmed       |
|                  |                |                          |                  |                        |                    |                |                  | 11/04/2025           |

**FROM** 0.01600ml of VP133953 = Final Quantity: 40.000 ml

## VOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>    | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 589              | BFB TUNE CHECK | <a href="#">VP136024</a> | 11/03/2025       | 11/04/2025             | Mahesh Dadoda      | None           | None             | mohammad ahmed       |
| 11/04/2025       |                |                          |                  |                        |                    |                |                  |                      |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP133953 = Final Quantity: 40.000 ml

| <u>Recipe ID</u> | <u>NAME</u>            | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 620              | 50 PPB CCC, 8260-Water | <a href="#">VP136025</a> | 11/03/2025       | 11/03/2025             | Mahesh Dadoda      | None           | None             | mohammad ahmed       |
| 11/04/2025       |                        |                          |                  |                        |                    |                |                  |                      |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP133935 + 0.01250ml of VP134149 + 0.01250ml of VP135552 + 0.01250ml of VP135834 = Final Quantity: 40.000 ml

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName          | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30067 / BFB tuneing solution | A0191805 | 11/22/2025      | 11/22/2024 / SAM        | 01/13/2023 / SAM            | V13391         |

| Supplier | ItemCode / ItemName                                                        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0200785 | 03/22/2026      | 09/22/2025 / sam        | 02/28/2024 / SAM            | V14200         |

| Supplier | ItemCode / ItemName                                                        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0200785 | 03/22/2026      | 09/22/2025 / sam        | 02/28/2024 / SAM            | V14204         |

| Supplier | ItemCode / ItemName                                                        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0200785 | 03/22/2026      | 09/22/2025 / sam        | 02/28/2024 / SAM            | V14205         |

| Supplier | ItemCode / ItemName                                     | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555581 / Custom Standard, 8260 Internal Std [CS 5179-1] | A0210184 | 12/12/2025      | 12/12/2024 / SAM        | 04/15/2024 / SAM            | V14290         |

| Supplier                 | ItemCode / ItemName                            | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 95317 / Universal VOA Mega Mix (Min order = 5) | 021624 | 03/22/2026      | 09/22/2025 / sam        | 09/17/2024 / SAM            | V14509         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier                 | ItemCode / ItemName                            | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 95317 / Universal VOA Mega Mix (Min order = 5) | 021624 | 03/22/2026      | 09/22/2025 / sam        | 09/17/2024 / SAM            | V14510         |

| Supplier                 | ItemCode / ItemName                     | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-----------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 95319 / Revised Additions Mix (Min = 5) | 091724 | 03/22/2026      | 09/22/2025 / sam        | 09/18/2024 / SAM            | V14531         |

| Supplier                 | ItemCode / ItemName                     | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-----------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 95319 / Revised Additions Mix (Min = 5) | 091724 | 03/22/2026      | 09/22/2025 / sam        | 09/18/2024 / SAM            | V14532         |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 2310762004 | 01/29/2026      | 07/29/2025 / SAM        | 11/26/2024 / SAM            | V14625         |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 2310762004 | 11/09/2025      | 05/09/2025 / SAM        | 11/26/2024 / SAM            | V14626         |

| Supplier                 | ItemCode / ItemName         | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-----------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 12/06/2025      | 06/06/2025 / SAM        | 12/06/2024 / SAM            | V14636         |



## CHEMICAL RECEIPT LOG BOOK

| Supplier                 | ItemCode / ItemName         | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-----------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 12/06/2025      | 06/06/2025 / SAM        | 12/06/2024 / SAM            | V14637         |

| Supplier                 | ItemCode / ItemName         | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-----------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 12/06/2025      | 06/06/2025 / SAM        | 12/06/2024 / SAM            | V14638         |

| Supplier                 | ItemCode / ItemName         | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-----------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 12/06/2025      | 06/06/2025 / SAM        | 12/06/2024 / SAM            | V14639         |

| Supplier | ItemCode / ItemName                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0214960 | 12/06/2025      | 06/06/2025 / SAM        | 12/09/2024 / SAM            | V14668         |

| Supplier | ItemCode / ItemName                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0214960 | 12/06/2025      | 06/06/2025 / SAM        | 12/09/2024 / SAM            | V14671         |

| Supplier | ItemCode / ItemName                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0214960 | 12/06/2025      | 06/06/2025 / SAM        | 12/09/2024 / SAM            | V14673         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0214960 | 12/06/2025      | 06/06/2025 / SAM        | 12/09/2024 / SAM            | V14675         |

| Supplier | ItemCode / ItemName                                                                    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30042 / VOA Mix, 500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml | A0216826 | 03/22/2026      | 09/22/2025 / sam        | 12/17/2024 / SAM            | V14727         |

| Supplier | ItemCode / ItemName                                                                    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30042 / VOA Mix, 500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml | A0216826 | 03/22/2026      | 09/22/2025 / sam        | 12/17/2024 / SAM            | V14728         |

| Supplier | ItemCode / ItemName                                                               | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE | A0220471 | 03/22/2026      | 09/22/2025 / sam        | 01/08/2025 / SAM            | V14803         |

LOTS

| 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 | A0220471 | 03/22/2026      | 09/22/2025 / sam        | 01/08/2025 / SAM            | V14815         |

LOTS

| Supplier | ItemCode / ItemName                                     | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM | A0217535 | 03/22/2026      | 09/22/2025 / sam        | 01/21/2025 / SAM            | V14844         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2] | A0223904 | 07/29/2026      | 07/29/2025 / SAM        | 03/24/2025 / SAM            | V14906         |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 24G0262002 | 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 # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 24G0262002 | 03/22/2026      | 09/22/2025 / sam        | 05/09/2025 / SAM            | V14928         |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 24G0262002 | 12/06/2025      | 06/06/2025 / SAM        | 05/09/2025 / SAM            | V14929         |

| Supplier | ItemCode / ItemName                            | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL | A0222076 | 03/22/2026      | 09/22/2025 / sam        | 05/19/2025 / SAM            | V14951         |

| Supplier | ItemCode / ItemName                            | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL | A0222076 | 03/22/2026      | 09/22/2025 / sam        | 05/19/2025 / SAM            | V14952         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier                 | ItemCode / ItemName           | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 101625 | 11/16/2025      | 10/17/2025 / sam        | 10/17/2025 / sam            | V15073         |

| Supplier                 | ItemCode / ItemName           | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 101625 | 11/16/2025      | 10/17/2025 / sam        | 10/17/2025 / sam            | V15074         |

| Supplier                 | ItemCode / ItemName           | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 101625 | 11/16/2025      | 10/17/2025 / sam        | 10/17/2025 / sam            | V15075         |

| Supplier         | ItemCode / ItemName | Lot #               | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|---------------------|---------------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | DIW / DI Water      | Daily Lab-Certified | 07/03/2029      | 07/03/2024 / lwona      | 07/03/2024 / lwona          | W3112          |

Methanol  
ULTRA RESI-ANALYZED  
For Purge and Trap Analysis



Material No.: 9077-02  
Batch No.: 23I0762004  
Manufactured Date: 2023-08-11  
Expiration Date: 2026-08-10  
Revision No.: 0

## Certificate of Analysis

| Test                                                    | Specification | Result   |
|---------------------------------------------------------|---------------|----------|
| Assay (CH <sub>3</sub> OH) (by GC, corrected for water) | ≥ 99.9 %      | 100.0 %  |
| Residue after Evaporation                               | ≤ 1.0 ppm     | 0.5 ppm  |
| Titration Acid (μeq/g)                                  | ≤ 0.3         | 0.2      |
| Titration 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



Material No.: 9077-02  
Batch No.: 23I0762004  
Manufactured Date: 2023-08-11  
Expiration Date: 2026-08-10  
Revision No.: 0

## Certificate of Analysis

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| Assay (CH <sub>3</sub> OH) (by GC, corrected for water) | ≥ 99.9 %      | 100.0 %  |
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For Laboratory, Research, or Manufacturing Use  
Performance Tested for Use in EPA Methods  
500 Series for Drinking Water  
600 Series for Wastewater  
846 for Solid Waste

Country of Origin: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein  
Sr. Manager, Quality Assurance





Ree 03117/24

## 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#: BUTB

Solvent(s): Lot#  
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Flask Uncertainty

|                |                   |        |
|----------------|-------------------|--------|
| Formulated By: | Prashant Chauhan  | 021624 |
| Reviewed By:   | Pedro L. Renteria | 021624 |

| Compound                            | (KME)  | Lot         | DR   | Initial | Initial | Nominal | Purity | Purity | Uncertainty | Target  | Actual  | Actual | Expanded | SDS Information                        |                              |                   |
|-------------------------------------|--------|-------------|------|---------|---------|---------|--------|--------|-------------|---------|---------|--------|----------|----------------------------------------|------------------------------|-------------------|
|                                     |        |             |      |         |         |         |        |        |             |         |         |        |          | (Solvent Safety Info. On Attached pg.) | 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)          | or-rat 2400mg/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)            | or-rat 700mg/kg   |
| 3. Carbon disulfide                 | (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)       | or-rat 1200mg/kg  |
| 4. cis-1,4-Dichloro-2-butene        | (1196) | 14718EF     | NA   | NA      | NA      | 2000    | 95     | 0.2    | NA          | 0.21056 | 0.21069 | 2001.1 | 8.5      | 1478-11-6                              | N/A                          | N/A               |
| 5. trans-1,4-Dichloro-2-butene      | (0486) | MKBP9041V   | NA   | NA      | NA      | 2000    | 96.5   | 0.2    | NA          | 0.20731 | 0.20746 | 2001.7 | 8.4      | 110-57-6                               | N/A                          | N/A               |
| 6. Diethyl ether                    | (0153) | IK18CAS000C | 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                          | N/A               |
| 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)    | or-rat 14800mg/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)         | or-rat 3460mg/kg  |
| 10. Methacrylonitrile               | (0442) | 00427ET     | NA   | NA      | NA      | 2000    | 99     | 0.2    | NA          | 0.20207 | 0.20221 | 2001.4 | 8.2      | 128-98-7                               | 1 ppm (3mg/m3/8H) (skin)     | or-rat 120mg/kg   |
| 11. Methyl acrylate                 | (0755) | 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)   | or-rat 277mg/kg   |
| 12. Methyl methacrylate             | (0404) | MKGW6137V   | 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)        | or-rat 787mg/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)     | or-rat 780mg/kg   |
| 14. 2-Nitropropane                  | (0461) | HG02JX      | NA   | NA      | NA      | 2000    | 97.3   | 0.2    | NA          | 0.20560 | 0.20577 | 2001.6 | 8.3      | 78-46-9                                | 10 ppm (35mg/m3/8H)          | or-rat 720mg/kg   |
| 15. Pentachloroethane               | (0460) | HGA01       | NA   | NA      | NA      | 2000    | 98     | 0.2    | NA          | 0.20413 | 0.20430 | 2001.6 | 8.3      | 78-01-7                                | N/A                          | N/A               |
| 16. 1,1,2-Trichlorotrifluoroethane  | (0474) | 18990       | NA   | NA      | NA      | 2000    | 99     | 0.2    | NA          | 0.20207 | 0.20225 | 2001.8 | 8.2      | 78-13-1                                | 1000 ppm (7600mg/m3/8H)      | or-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                          | or-rat 915mg/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                          | or-rat 848mg/kg   |
| 19. cis-1,2-Dichloroethene          | 35171  | 101623      | 0.05 | 5.00    | 40003.1 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 158-59-2                               | N/A                          | or-rat 848mg/kg   |
| 20. trans-1,2-Dichloroethene        | 35171  | 101623      | 0.05 | 5.00    | 40002.4 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 23.0     | 158-60-5                               | N/A                          | or-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                      | or-rat 820mg/kg   |
| 22. 1,1-Dichloroethane              | 35171  | 101623      | 0.05 | 5.00    | 40003.2 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.7 | 20.4     | 75-35-4                                | 1 ppm (4mg/m3/8H)            | or-rat 200mg/kg   |
| 23. Bromoform                       | 95321  | 020724      | 0.10 | 10.00   | 20001.6 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.5     | 75-25-2                                | 0.5 ppm (5mg/m3) (skin)      | or-rat 930mg/kg   |
| 24. Carbon tetrachloride            | 95321  | 020724      | 0.10 | 10.00   | 20003.2 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.4     | 56-23-5                                | 2 ppm (12.6mg/m3/8H)         | or-rat 2350mg/kg  |
| 25. Chloroform                      | 95321  | 020724      | 0.10 | 10.00   | 20004.0 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.5     | 74-95-3                                | 60 ppm (240mg/m3) (CL)       | or-rat 908mg/kg   |
| 26. Dibromomethane                  | 95321  | 020724      | 0.10 | 10.00   | 20002.9 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.5     | 75-34-3                                | 100 ppm                      | or-rat 108mg/kg   |
| 27. 1,1-Dichloroethane              | 95321  | 020724      | 0.10 | 10.00   | 20003.4 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.4     | 594-20-7                               | N/A                          | or-rat 725mg/kg   |
| 28. 2,2-Dichloropropane             | 95321  | 020724      | 0.10 | 10.00   | 20003.4 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.5     | 75-34-3                                | 100 ppm                      | or-rat 108mg/kg   |
| 29. Trichloroethene                 | 95321  | 020724      | 0.10 | 10.00   | 20201.1 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 2019.8 | 20.8     | 127-18-4                               | 25 ppm (170mg/m3/8H) (final) | or-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 (1800mg/m3/8H)       | or-rat 10300mg/kg |
| 31. 1,2-Dibromo-3-chloropropane     | 35161  | 112322      | 0.05 | 5.00    | 40018.5 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.3 | 22.9     | 86-12-8                                | 0.001 ppm                    | or-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     | 108-93-4                               | 20 ppm (8H)                  | or-rat 108mg/kg   |
| 33. 1,2-Dichloroethane              | 35161  | 112322      | 0.05 | 5.00    | 40005.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.4 | 22.9     | 107-06-2                               | 50 ppm (8H)                  | or-rat 670mg/kg   |
| 34. 1,2-Dichloropropane             | 35161  | 112322      | 0.05 | 5.00    | 40005.9 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2002.0 | 22.9     | 78-87-5                                | 75 ppm (350mg/m3/8H)         | or-rat 1847mg/kg  |
| 35. 1,3-Dichloropropane             | 35161  | 112322      | 0.05 | 5.00    | 40001.2 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 142-28-9                               | N/A                          | or-rat 3600mg/kg  |
| 36. 1,1,3-Dichloropropane           | 35161  | 112322      | 0.05 | 5.00    | 40001.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.1 | 28.7     | 563-58-6                               | N/A                          | N/A               |
| 37. cis-1,3-Dichloropropane         | 35161  | 112322      | 0.05 | 5.00    | 40010.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.0 | 23.0     | 10081-01-5                             | N/A                          | N/A               |
| 38. trans-1,3-Dichloropropane       | 35161  | 112322      | 0.05 | 5.00    | 40017.6 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.4 | 23.0     | 10081-02-6                             | 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)      | or-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     | 830-20-6                               | N/A                          | or-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)    | or-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)   | or-rat 936mg/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)         | or-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     | 98-18-4                                | 10 ppm (60mg/m3/8H)          | or-rat 149.8mg/kg |
| 45. Benzene                         | 35162  | 050823      | 0.05 | 5.00    | 40007.5 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 71-43-2                                | 1 ppm                        | or-rat 4894mg/kg  |
| 46. Bromobenzene                    | 35162  | 050823      | 0.05 | 5.00    | 40006.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 104-51-8                               | N/A                          | or-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     | 100-41-4                               | 100 ppm (435mg/m3/8H)        | or-rat >2000mg/kg |
| 48. Ethyl benzene                   | 35162  | 050823      | 0.05 | 5.00    | 40004.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 99-87-6                                | N/A                          | or-rat 4750mg/kg  |
| 49. p-Isopropyl toluene             | 35162  | 050823      | 0.05 | 5.00    | 40005.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 91-20-3                                | 10 ppm (50mg/m3/8H)          | or-rat 490mg/kg   |
| 50. Naphthalene                     | 35162  | 050823      | 0.05 | 5.00    | 40004.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 100-42-5                               | 100 ppm                      | or-rat 5000mg/kg  |
| 51. Styrene                         | 35162  | 050823      | 0.05 | 5.00    | 40004.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 108-98-3                               | 200 ppm                      | or-rat 5000mg/kg  |
| 52. Toluene                         | 35162  | 050823      | 0.05 | 5.00    | 40006.2 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 87-81-6                                | N/A                          | or-rat 1390mg/kg  |
| 53. 1,2,3-Trichlorobenzene          | 35162  | 050823      | 0.05 | 5.00    | 40003.1 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 120-82-1                               | 5 ppm (CL) (40mg/m3)         | or-rat 756mg/kg   |
| 54. 1,2,4-Trichlorobenzene          | 35162  | 050823      | 0.05 | 5.00    | 40006.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 23.0     | 95-63-6                                | N/A                          | or-rat 5g/kg      |
| 55. 1,2,4-Trimethylbenzene          | 35162  | 050823      | 0.05 | 5.00    | 40001.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 108-87-8                               | N/A                          | or-rat 5000mg/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     | 108-38-3                               | 100 ppm (435mg/m3/8H)        | or-rat 5g/kg      |
| 57. m-Xylene                        | 35162  | 050823      | 0.05 | 5.00    | 40005.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 96-06-6                                | N/A                          | N/A               |
| 58. tert-Butyl benzene              | 35163  | 101923      | 0.05 | 5.00    | 40001.2 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 135-98-8                               | N/A                          | or-rat 2240mg/kg  |
| 59. sec-Butyl benzene               | 35163  | 101923      | 0.05 | 5.00    | 40002.4 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 108-90-7                               | 75 ppm (350mg/m3/8H)         | or-rat 2290mg/kg  |
| 60. Chlorobenzene                   | 35163  | 101923      | 0.05 | 5.00    | 40003.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.5 | 22.9     | 95-49-8                                | 50 ppm (250mg/m3/8H)         | or-rat 3900mg/kg  |
| 61. 2-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                          | or-rat 2100mg/kg  |
| 62. 4-Chlorotoluene                 | 35163  | 101923      | 0.05 | 5.00    | 40003.3 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 95-50-1                                | 50 ppm (300mg/m3) (CL)       | or-rat 500mg/kg   |
| 63. 1,2-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                          | or-rat 1060mg/kg  |
| 64. 1,3-Dichlorobenzene             | 35163  | 101923      | 0.05 | 5.00    | 40001.7 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 22.9     | 108-46-7                               | 75 ppm (450mg/m3/8H)         | or-rat 500mg/kg   |

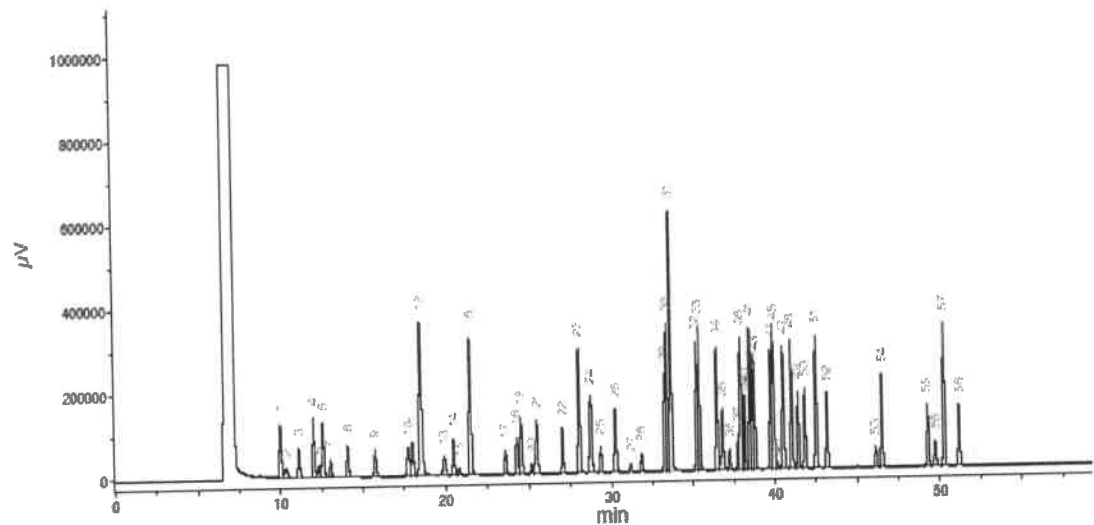


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

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., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.  
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),  
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.  
FID Signal = Edaq Channel 1  
Standard injection = 0.5µL, Range=3



| Peak # | Name                                                  | FID RT (min.) |
|--------|-------------------------------------------------------|---------------|
| 1      | Ether                                                 | 9.97          |
| 2      | 1,1,2-Trichloro-1,2,2-trifluoroethane                 | 10.53         |
| 3      | 1,1-Dichloroethane                                    | 11.10         |
| 4      | Acetone                                               | 12.00         |
| 5      | Isodimethane                                          | 12.21         |
| 6      | Allyl chloride                                        | 12.56         |
| 7      | Carbon disulfide/Methylene chloride                   | 13.04         |
| 8      | trans-1,2-Dichloroethane                              | 14.07         |
| 9      | 1,1-Dichloroethane                                    | 15.74         |
| 10     | 2,2-Dichloropropane                                   | 17.74         |
| 11     | cis-1,2-Dichloroethane                                | 18.00         |
| 12     | Hexamethylcyclotrisiloxane/Methyl acrylate/Chloroform | 18.49         |
| 13     | Isobutene/1,1,1-Trichloroethane                       | 18.91         |
| 14     | 1,1-Dichloropropane                                   | 20.46         |
| 15     | Carbon tetrachloride                                  | 20.79         |
| 16     | Benzene/1,2-Dichloroethane                            | 21.48         |
| 17     | Trichloroethane                                       | 23.88         |
| 18     | 1,2-Dichloropropane                                   | 24.52         |
| 19     | Methyl methacrylate                                   | 25.13         |
| 20     | Bromochloropropane                                    | 25.46         |
| 21     | Dibromomethane/2,2-Dichloropropane                    | 27.07         |
| 22     | cis-1,2-Dichloroethane                                | 28.03         |
| 23     | Toluene                                               | 28.73         |
| 24     | Ethyl methacrylate/Trans-1,2-Dichloropropane          | 29.34         |
| 25     | 1,1,2-Trichloroethane                                 | 30.34         |
| 26     | Tetrachloroethane/1,2-Dichloropropane                 | 31.16         |
| 27     | Dibromochloromethane                                  | 32.84         |
| 28     | 1,2-Dibromomethane                                    | 33.26         |
| 29     | Chlorobenzene                                         | 33.40         |
| 30     | Ethylbenzene/1,1,1,2-Tetrachloroethane                | 33.85         |
| 31     | m-Xylene/p-Xylene                                     | 35.33         |
| 32     | o-Xylene                                              | 35.70         |
| 33     | Styrene                                               | 35.76         |
| 34     | Isopropylbenzene/Bromofarm                            | 36.48         |
| 35     | cis-1,4-Dichloro-3-butene                             | 36.80         |
| 36     | 1,1,2-Trichloropropane                                | 37.23         |
| 37     | n-Propylbenzene                                       | 37.72         |
| 38     | trans-1,4-Dichloro-3-butene                           | 38.05         |
| 39     | Bromobenzene                                          | 38.14         |
| 40     | 1,3,5-Trimethylbenzene                                | 38.50         |
| 41     | 2-Chlorobenzene                                       | 38.63         |
| 42     | 4-Chlorobenzene                                       | 38.77         |
| 43     | tert-Butylbenzene                                     | 39.76         |
| 44     | 1,2,4-Trimethylbenzene                                | 39.91         |
| 45     | Perchloroethane                                       | 40.17         |
| 46     | sec-Butylbenzene                                      | 40.52         |
| 47     | p-Isopropylbenzene                                    | 41.02         |
| 48     | 1,3-Trichlorobenzene                                  | 41.42         |
| 49     | 1,4-Dichlorobenzene                                   | 41.83         |
| 50     | n-Butylbenzene                                        | 42.52         |
| 51     | 1,2-Dichlorobenzene                                   | 42.18         |
| 52     | 1,2-Dibromo-3-chloropropane                           | 46.12         |
| 53     | Nitrobenzene                                          | 46.40         |
| 54     | 1,2,4-Trifluorobenzene                                | 49.28         |
| 55     | Hexachlorocyclopentadiene                             | 49.72         |
| 56     | Naphthalene                                           | 50.56         |
| 57     | 1,2,3-Trichlorobenzene                                | 51.16         |



## 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 | 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<br>H370<br>P271<br>P302,332 | Highly Flammable Liquid and Vapor<br>Cause damage to organs<br>Use in ventilated area<br>If on skin, wash with soap and water | H301, 311, 331<br>H351<br>P280<br>P305,351,338 | Toxic if swallowed, skin contact, inhaled<br>Suspected of causing cancer<br>Use gloves, eye protection/face shield<br>If in eyes, remove contacts, rinse with water |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

   Signal Word: DANGER

## Section III - Composition

|                                                         |         |              |
|---------------------------------------------------------|---------|--------------|
| Components (Specific Chemical Identity; Common Name(s)) | CAS#    | % (optional) |
| Methanol<br>METHYL ALCOHOL                              | 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.                                                                                                                                                                                                        |
| Storage Conditions            | Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                                             |                                                                                                   |
|---------------------------------------------|---------------------------------------------------------------------------------------------------|
| Methanol                                    | 67-56-1 TWA 200 ppm                                                                               |
| Skin notation                               | TWA 200 ppm                                                                                       |
| Potential for skin absorption               | ingestion and inhalation.                                                                         |
| Personal protective equipment               | Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection. |
| Avoid contact with skin, eyes and clothing. | Wash hands thoroughly after handling the product.                                                 |

## Section IX - Physical/Chemical Characteristics

|                         |                                                           |                                         |       |
|-------------------------|-----------------------------------------------------------|-----------------------------------------|-------|
| Boiling Point           | 65°C                                                      | Specific Gravity (H <sub>2</sub> O = 1) | 0.79  |
| Vapor Pressure (mm Hg)  | 96                                                        | Melting Point                           | -98°C |
| Vapor Density (AIR = 1) | 1.11                                                      | Evaporation rate<br>(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)                                   | IATA                                       |
| UN number: 1230 Class: 3 Packing group: II | UN number: 1230 Class: 3 Packing group: II |
| Proper shipping name: Methanol             | 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.





Ree 03117/24

## 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#: BUTB

Solvent(s): Lot#  
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Flask Uncertainty

|                |                   |        |
|----------------|-------------------|--------|
| Formulated By: | Prashant Chauhan  | 021624 |
| Reviewed By:   | Pedro L. Renteria | 021624 |
| DATE           |                   |        |

| Compound                            | (KME)  | Lot         | DR   | Initial | Initial | Nominal | Purity | Purity | Uncertainty | Target  | Actual  | Actual | Expanded | SDS Information                        |                              |                   |
|-------------------------------------|--------|-------------|------|---------|---------|---------|--------|--------|-------------|---------|---------|--------|----------|----------------------------------------|------------------------------|-------------------|
|                                     |        |             |      |         |         |         |        |        |             |         |         |        |          | (Solvent Safety Info. On Attached pg.) | 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)          | or-rat 2400mg/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)            | or-rat 700mg/kg   |
| 3. Carbon disulfide                 | (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)       | or-rat 1200mg/kg  |
| 4. cis-1,4-Dichloro-2-butene        | (1196) | 14718EF     | NA   | NA      | NA      | 2000    | 95     | 0.2    | NA          | 0.21056 | 0.21069 | 2001.1 | 8.5      | 1478-11-6                              | N/A                          | N/A               |
| 5. trans-1,4-Dichloro-2-butene      | (0486) | MKBP9041V   | NA   | NA      | NA      | 2000    | 96.5   | 0.2    | NA          | 0.20731 | 0.20746 | 2001.7 | 8.4      | 110-57-6                               | N/A                          | N/A               |
| 6. Diethyl ether                    | (0153) | IK18CAS000C | 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                          | N/A               |
| 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)    | or-rat 14800mg/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)         | or-rat 3460mg/kg  |
| 10. Methacrylonitrile               | (0442) | 00427ET     | NA   | NA      | NA      | 2000    | 99     | 0.2    | NA          | 0.20207 | 0.20221 | 2001.4 | 8.2      | 128-98-7                               | 1 ppm (3mg/m3/8h) (skin)     | or-rat 120mg/kg   |
| 11. Methyl acrylate                 | (0755) | 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)   | or-rat 277mg/kg   |
| 12. Methyl methacrylate             | (0404) | MKGW6137V   | 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)        | or-rat 787mg/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)     | or-rat 780mg/kg   |
| 14. 2-Nitropropane                  | (0461) | HG02JXK     | NA   | NA      | NA      | 2000    | 97.3   | 0.2    | NA          | 0.20413 | 0.20430 | 2001.6 | 8.3      | 78-46-9                                | 10 ppm (35mg/m3/8h)          | or-rat 720mg/kg   |
| 15. Pentachloroethane               | (0460) | HGA01       | NA   | NA      | NA      | 2000    | 98     | 0.2    | NA          | 0.20027 | 0.20225 | 2001.8 | 8.2      | 76-13-1                                | 1000 ppm (7600mg/m3/8h)      | or-rat 43g/kg     |
| 16. 1,1,2-Trichlorotrifluoroethane  | (0474) | 18990       | NA   | NA      | NA      | 2000    | 99     | 0.2    | NA          | 0.20027 | 0.20225 | 2001.8 | 8.2      | 76-13-1                                | 1000 ppm (7600mg/m3/8h)      | or-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                          | or-rat 915mg/kg   |
| 18. Dibromochloromethane            | 35171  | 101623      | 0.05 | 5.00    | 40002.1 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 22.9     | 124-48-1                               | N/A                          | or-rat 848mg/kg   |
| 19. cis-1,2-Dichloroethene          | 35171  | 101623      | 0.05 | 5.00    | 40003.1 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 22.9     | 158-59-2                               | N/A                          | or-rat 848mg/kg   |
| 20. trans-1,2-Dichloroethene        | 35171  | 101623      | 0.05 | 5.00    | 40002.4 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 22.9     | 158-59-2                               | N/A                          | or-rat 848mg/kg   |
| 21. Methylene chloride              | 35171  | 101623      | 0.05 | 5.00    | 40002.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 22.9     | 158-59-2                               | N/A                          | or-rat 1235mg/kg  |
| 22. 1,1-Dichloroethane              | 35171  | 101623      | 0.05 | 5.00    | 40002.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 22.9     | 75-09-2                                | 500 ppm                      | or-rat 820mg/kg   |
| 23. Bromoform                       | 95321  | 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)            | or-rat 200mg/kg   |
| 24. Carbon tetrachloride            | 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)      | or-rat 930mg/kg   |
| 25. Chloroform                      | 95321  | 020724      | 0.10 | 10.00   | 20004.0 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.4     | 56-23-5                                | 2 ppm (12.6mg/m3/8h)         | or-rat 2350mg/kg  |
| 26. Dibromomethane                  | 95321  | 020724      | 0.10 | 10.00   | 20002.9 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.5     | 67-88-3                                | 60 ppm (240mg/m3) (CL)       | or-rat 908mg/kg   |
| 27. 1,1-Dichloroethane              | 95321  | 020724      | 0.10 | 10.00   | 20003.4 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.5     | 74-95-3                                | N/A                          | or-rat 108mg/kg   |
| 28. 2,2-Dichloropropane             | 95321  | 020724      | 0.10 | 10.00   | 20003.4 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.5     | 75-34-3                                | 100 ppm                      | or-rat 725mg/kg   |
| 29. Trichloroethene                 | 95321  | 020724      | 0.10 | 10.00   | 20201.1 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.4     | 594-20-7                               | N/A                          | N/A               |
| 30. 1,1,1-Trichloroethane           | 95321  | 020724      | 0.10 | 10.00   | 20001.0 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.5     | 127-18-4                               | 25 ppm (170mg/m3/8h) (final) | or-rat 2629mg/kg  |
| 31. 1,2-Dibromo-3-chloropropane     | 35161  | 112322      | 0.05 | 5.00    | 40018.5 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 71-55-6                                | 350 ppm (1800mg/m3/8h)       | or-rat 10300mg/kg |
| 32. 1,2-Dibromoethane               | 35161  | 112322      | 0.05 | 5.00    | 40024.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 96-12-8                                | 0.001 ppm                    | or-rat 170mg/kg   |
| 33. 1,2-Dichloroethane              | 35161  | 112322      | 0.05 | 5.00    | 40024.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 108-83-4                               | 20 ppm (8h)                  | or-rat 108mg/kg   |
| 34. 1,2-Dichloropropane             | 35161  | 112322      | 0.05 | 5.00    | 40005.1 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 107-06-2                               | 50 ppm (8h)                  | or-rat 670mg/kg   |
| 35. 1,3-Dichloropropane             | 35161  | 112322      | 0.05 | 5.00    | 40005.9 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 78-87-5                                | 75 ppm (350mg/m3/8h)         | or-rat 1847mg/kg  |
| 36. 1,1,3-Dichloropropane           | 35161  | 112322      | 0.05 | 5.00    | 40012.1 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 142-28-9                               | N/A                          | or-rat 3600mg/kg  |
| 37. cis-1,3-Dichloropropane         | 35161  | 112322      | 0.05 | 5.00    | 40010.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 563-58-6                               | N/A                          | N/A               |
| 38. trans-1,3-Dichloropropane       | 35161  | 112322      | 0.05 | 5.00    | 40017.6 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 10081-01-5                             | N/A                          | N/A               |
| 39. Hexachloro-1,3-butadiene        | 35161  | 112322      | 0.05 | 5.00    | 40021.9 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 10081-02-6                             | N/A                          | N/A               |
| 40. 1,1,1,2-Tetrachloroethane       | 35161  | 112322      | 0.05 | 5.00    | 40011.9 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 87-68-3                                | 0.02 ppm (0.24mg/m3/8h)      | or-rat 82mg/kg    |
| 41. 1,1,2,2-Tetrachloroethane       | 35161  | 112322      | 0.05 | 5.00    | 40007.5 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 830-20-6                               | N/A                          | or-rat 670mg/kg   |
| 42. 1,1,2-Trichloroethane           | 35161  | 112322      | 0.05 | 5.00    | 40006.6 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 79-34-5                                | 5 ppm (35mg/m3/8h) (skin)    | or-rat 800mg/kg   |
| 43. Trichloroethene                 | 35161  | 112322      | 0.05 | 5.00    | 40029.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 79-00-5                                | 10 ppm (45mg/m3/8h) (skin)   | or-rat 936mg/kg   |
| 44. 1,2,3-Trichloropropane          | 35161  | 112322      | 0.05 | 5.00    | 40007.5 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 79-01-6                                | 50 ppm (270mg/m3/8h)         | or-mus 2402mg/kg  |
| 45. Benzene                         | 35162  | 050823      | 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)          | or-rat 149.8mg/kg |
| 46. Bromobenzene                    | 35162  | 050823      | 0.05 | 5.00    | 40006.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.9 | 22.9     | 71-43-2                                | 1 ppm                        | or-rat 4894mg/kg  |
| 47. n-Butyl benzene                 | 35162  | 050823      | 0.05 | 5.00    | 40003.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.9 | 22.9     | 108-88-1                               | N/A                          | or-rat 2699mg/kg  |
| 48. Ethyl benzene                   | 35162  | 050823      | 0.05 | 5.00    | 40004.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.9 | 22.9     | 104-51-8                               | N/A                          | N/A               |
| 49. p-Isopropyl toluene             | 35162  | 050823      | 0.05 | 5.00    | 40005.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.9 | 22.9     | 100-41-4                               | 100 ppm (435mg/m3/8h)        | or-rat >2000mg/kg |
| 50. Naphthalene                     | 35162  | 050823      | 0.05 | 5.00    | 40005.2 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 99-87-6                                | N/A                          | or-rat 4750mg/kg  |
| 51. Styrene                         | 35162  | 050823      | 0.05 | 5.00    | 40004.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 91-20-3                                | 10 ppm (50mg/m3/8h)          | or-rat 490mg/kg   |
| 52. Toluene                         | 35162  | 050823      | 0.05 | 5.00    | 40008.2 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 100-42-5                               | 100 ppm                      | or-rat 5000mg/kg  |
| 53. 1,2,3-Trichlorobenzene          | 35162  | 050823      | 0.05 | 5.00    | 40003.1 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 108-88-3                               | 200 ppm                      | or-rat 5000mg/kg  |
| 54. 1,2,4-Trichlorobenzene          | 35162  | 050823      | 0.05 | 5.00    | 40006.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 87-81-6                                | N/A                          | or-rat 1390mg/kg  |
| 55. 1,2,4-Trimethylbenzene          | 35162  | 050823      | 0.05 | 5.00    | 40001.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 120-82-1                               | 5 ppm (CL) (40mg/m3)         | or-rat 756mg/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     | 95-63-6                                | N/A                          | or-rat 5g/kg      |
| 57. m-Xylene                        | 35162  | 050823      | 0.05 | 5.00    | 40005.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 108-87-8                               | N/A                          | or-rat 5000mg/kg  |
| 58. tert-Butyl benzene              | 35163  | 101923      | 0.05 | 5.00    | 40001.2 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 108-38-3                               | 100 ppm (435mg/m3/8h)        | or-rat 5g/kg      |
| 59. sec-Butyl benzene               | 35163  | 101923      | 0.05 | 5.00    | 40002.4 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 98-06-6                                | N/A                          | N/A               |
| 60. Chlorobenzene                   | 35163  | 101923      | 0.05 | 5.00    | 40003.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 135-98-8                               | N/A                          | or-rat 2240mg/kg  |
| 61. 2-Chlorotoluene                 | 35163  | 101923      | 0.05 | 5.00    | 40000.3 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 108-90-7                               | 75 ppm (350mg/m3/8h)         | or-rat 2290mg/kg  |
| 62. 4-Chlorotoluene                 | 35163  | 101923      | 0.05 | 5.00    | 40003.3 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.5 | 22.9     | 95-49-8                                | 50 ppm (250mg/m3/8h)         | or-rat 3900mg/kg  |
| 63. 1,2-Dichlorobenzene             | 35163  | 101923      | 0.05 | 5.00    | 40003.3 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 106-43-4                               | N/A                          | or-rat 2100mg/kg  |
| 64. 1,3-Dichlorobenzene             | 35163  | 101923      | 0.05 | 5.00    | 40001.7 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 22.9     | 95-50-1                                | 50 ppm (300mg/m3) (CL)       | or-r              |

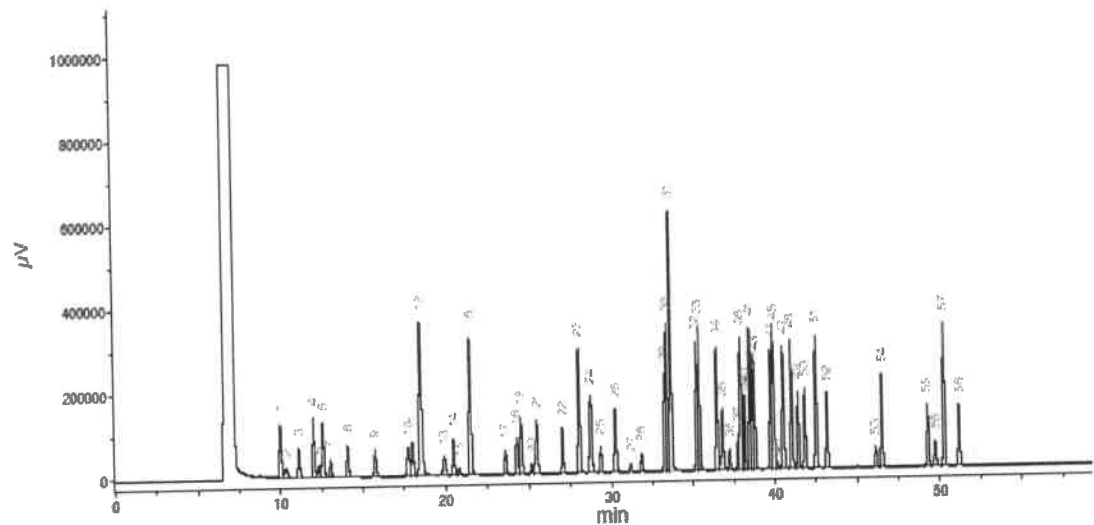


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

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., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.  
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),  
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.  
FID Signal = Edaq Channel 1  
Standard injection = 0.5µL, Range=3



| Peak # | Name                                           | FID RT (min.) |
|--------|------------------------------------------------|---------------|
| 1      | Ether                                          | 9.97          |
| 2      | 1,1,2-Trichloro-1,2,2-trifluoroethane          | 10.53         |
| 3      | 1,1-Dichloroethane                             | 11.10         |
| 4      | Acetone                                        | 12.00         |
| 5      | Isodimethane                                   | 12.21         |
| 6      | Allyl chloride                                 | 12.56         |
| 7      | Carbon disulfide/Methylene chloride            | 13.04         |
| 8      | trans-1,2-Dichloroethane                       | 14.07         |
| 9      | 1,1-Dichloroethane                             | 15.74         |
| 10     | 2,2-Dichloropropane                            | 17.74         |
| 11     | cis-1,2-Dichloroethane                         | 18.00         |
| 12     | Methyl methacrylate/Methyl acrylate/Chloroform | 18.49         |
| 13     | Isobutene/1,1,1-Trichloroethane                | 18.91         |
| 14     | 1,1-Dichloropropane                            | 20.46         |
| 15     | Carbon tetrachloride                           | 20.79         |
| 16     | Benzene/1,2-Dichloroethane                     | 21.48         |
| 17     | Trichloroethane                                | 23.88         |
| 18     | 1,2-Dichloropropane                            | 24.52         |
| 19     | Methyl methacrylate                            | 25.13         |
| 20     | Bromochloropropane                             | 25.46         |
| 21     | Dibromomethane/2,2-Dichloropropane             | 27.07         |
| 22     | cis-1,2-Dichloroethane                         | 28.03         |
| 23     | Toluene                                        | 28.73         |
| 24     | Ethyl methacrylate/Trans-1,2-Dichloropropane   | 29.34         |
| 25     | 1,1,2-Trichloroethane                          | 30.24         |
| 26     | Tetrachloroethane/1,2-Dichloropropane          | 31.16         |
| 27     | Dibromochloromethane                           | 32.84         |
| 28     | 1,2-Dibromomethane                             | 33.26         |
| 29     | Chlorobenzene                                  | 33.40         |
| 30     | Ethylbenzene/1,1,1,2-Tetrachloroethane         | 33.85         |
| 31     | m-Xylene/p-Xylene                              | 35.33         |
| 32     | o-Xylene                                       | 35.70         |
| 33     | Styrene                                        | 35.76         |
| 34     | Isopropylbenzene/Bromofarm                     | 36.48         |
| 35     | cis-1,4-Dichloro-3-butene                      | 36.80         |
| 36     | 1,1,2-Trichloropropane                         | 37.23         |
| 37     | n-Propylbenzene                                | 37.72         |
| 38     | trans-1,4-Dichloro-3-butene                    | 38.05         |
| 39     | Bromobenzene                                   | 38.14         |
| 40     | 1,3,5-Trimethylbenzene                         | 38.50         |
| 41     | 2-Chlorobenzene                                | 38.63         |
| 42     | 4-Chlorobenzene                                | 38.77         |
| 43     | tert-Butylbenzene                              | 39.76         |
| 44     | 1,2,4-Trimethylbenzene                         | 39.91         |
| 45     | Perchloroethane                                | 40.17         |
| 46     | sec-Butylbenzene                               | 40.52         |
| 47     | p-Isopropylbenzene                             | 41.02         |
| 48     | 1,3-Trichlorobenzene                           | 41.42         |
| 49     | 1,4-Dichlorobenzene                            | 41.83         |
| 50     | n-Butylbenzene                                 | 42.52         |
| 51     | 1,2-Dichlorobenzene                            | 42.18         |
| 52     | 1,2-Dibromopropane                             | 46.12         |
| 53     | Nitrobenzene                                   | 46.40         |
| 54     | 1,2,4-Trifluorobenzene                         | 49.26         |
| 55     | Hexachlorocyclopentadiene                      | 49.72         |
| 56     | Naphthalene                                    | 50.56         |
| 57     | 1,2,3-Trichlorobenzene                         | 51.16         |

## 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 | 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<br>H370<br>P271<br>P302,332 | Highly Flammable Liquid and Vapor<br>Cause damage to organs<br>Use in ventilated area<br>If on skin, wash with soap and water | H301, 311, 331<br>H351<br>P280<br>P305,351,338 | Toxic if swallowed, skin contact, inhaled<br>Suspected of causing cancer<br>Use gloves, eye protection/face shield<br>If in eyes, remove contacts, rinse with water |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                   |                                                                                   |                                                                                   |                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------|
|  |  |  | Signal Word: DANGER |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------|

## Section III - Composition

|                                                         |         |              |
|---------------------------------------------------------|---------|--------------|
| Components (Specific Chemical Identity; Common Name(s)) | CAS#    | % (optional) |
| Methanol<br>METHYL ALCOHOL                              | 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.                                                                                                                                                                                                        |
| Storage Conditions            | Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                                                                                               |                                                                                                   |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Methanol                                                                                      | 67-56-1 TWA 200 ppm                                                                               |
| Skin notation                                                                                 | TWA 200 ppm                                                                                       |
| Potential for skin absorption, ingestion and inhalation.                                      |                                                                                                   |
| Personal protective equipment                                                                 | Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection. |
| Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product. |                                                                                                   |

## Section IX - Physical/Chemical Characteristics



|                         |                                                           |                                         |       |
|-------------------------|-----------------------------------------------------------|-----------------------------------------|-------|
| Boiling Point           | 65°C                                                      | Specific Gravity (H <sub>2</sub> O = 1) | 0.79  |
| Vapor Pressure (mm Hg)  | 96                                                        | Melting Point                           | -98°C |
| Vapor Density (AIR = 1) | 1.11                                                      | Evaporation rate<br>(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)                                   | IATA                                       |
| UN number: 1230 Class: 3 Packing group: II | UN number: 1230 Class: 3 Packing group: II |
| Proper shipping name: Methanol             | Proper shipping name: Methanol             |

**Section XV. REGULATORY INFORMATION**

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant  
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**Section XVI. Misc. INFORMATION**

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



## Certified Reference Material CRM

Dec 09/17/24

2 vials

ANAB ISO 17034 Accredited  
AR-1539 Certificate Number  
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

Part Number: **91980**  
Lot Number: **091424**  
Description: **Acrolein**Solvent(s):  
Water  
Lot#  
072324Q

|                |                 |
|----------------|-----------------|
|                |                 |
| Formulated By: | Justin Dippold  |
| DATE: 091424   |                 |
|                |                 |
| Reviewed By:   | Pedro L. Rentas |
| DATE: 091424   |                 |

Expiration Date: 101424

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

| Compound    | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) |                |                 |
|-------------|-----|------------|----------------------|------------|--------------------|------------------|------------------|---------------------|------------------------------------|--------------------------------------------------------|----------------|-----------------|
|             |     |            |                      |            |                    |                  |                  |                     |                                    | CAS#                                                   | OSHA PEL (TWA) | LD50            |
| 1. Acrolein | 5   | 103755V10F | 5000                 | 97         | 0.5                | 0.05166          | 0.05175          | 5008.9              | 52.5                               | 107-02-8                                               | 0.1 ppm        | ori-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.

Abundance TIC: [BSB2]79005.D

Scan 232 (8.927 min): [BSB2]79005.D

250000 8.93

200000

150000

100000

50000

Time--&gt; 0

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00



Abundance

27

60000

50000

40000

30000

20000

10000

m/z--&gt; 0

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

37

44

65

75

85

119

158 169

- 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).



## Certified Reference Material CRM

Dec 09/17/24

2 vials

ANAB ISO 17034 Accredited  
AR-1539 Certificate Number  
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

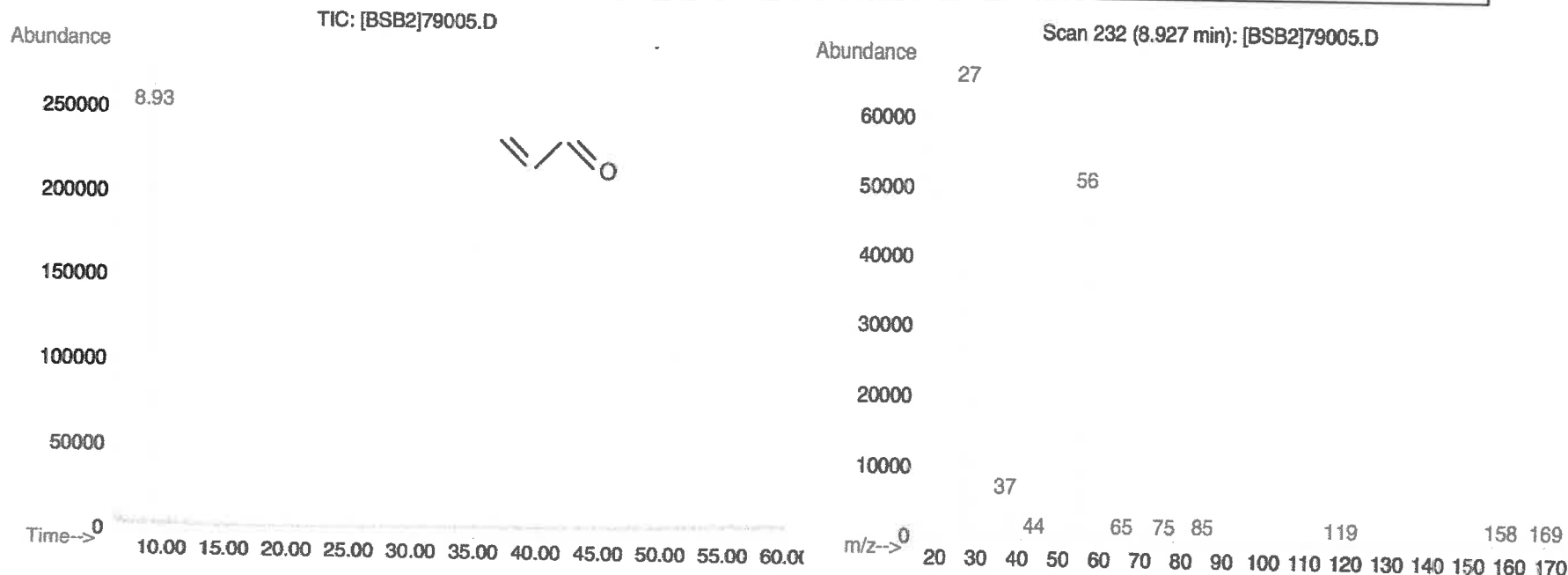
Part Number: 91980  
Lot Number: 091424  
Description: AcroleinSolvent(s): Water  
Lot#: 072324Q

|                |                 |
|----------------|-----------------|
|                |                 |
| Formulated By: | Justin Dippold  |
| 091424 DATE    |                 |
|                |                 |
| Reviewed By:   | Pedro L. Rentas |
| 091424 DATE    |                 |

Expiration Date: 101424  
Recommended Storage: Refrigerate (4 °C)  
Nominal Concentration (µg/mL): 5000  
NIST Test ID#: 6UTB  
Weight(s) shown below were combined and diluted to (mL): 10.0  
5E-05 Balance Uncertainty  
0.001 Flask Uncertainty

| 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        | ori-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).





## Certified Reference Material CRM



## CERTIFIED WEIGHT REPORT

Part Number: **95318**  
Lot Number: **120524**  
Description: **2-Chloroethyl vinyl ether**

Solvent(s):  
Methanol

Lot#  
EJ143-US

Expiration Date: **120527**  
Recommended Storage: **Refrigerate (4 °C)**  
Nominal Concentration (µg/mL): **10000**  
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

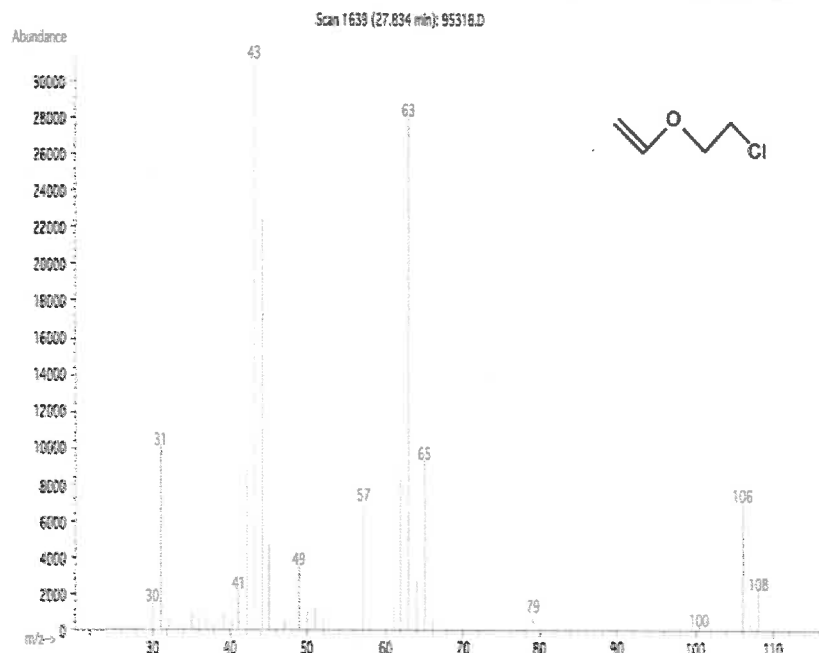
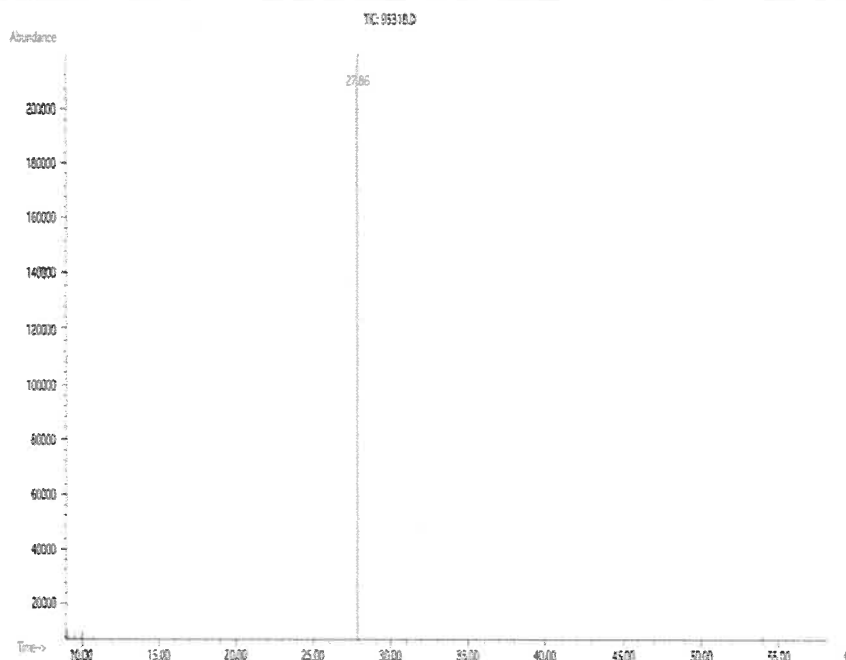
5E-05 Balance Uncertainty  
0.001 Flask Uncertainty

*Prashant Chauhan* 120524  
Formulated By: Prashant Chauhan DATE  
*Pedro L. Rentas* 120524  
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to  
✓ 14649

| Compound                     | RM# | Lot Number | Nominal<br>Conc (µg/mL) | Purity<br>(%) | Uncertainty<br>Purity | Target<br>Weight (g) | Actual<br>Weight (g) | Actual<br>Conc (µg/mL) | Expanded<br>Uncertainty<br>(+/-) (µg/mL) | SDS Information<br>(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 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).

## Safety Data Sheet (SDS)

GHS/OSHA Compliant

## Section I Product and Company Identification

## IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

|                     |                        |                                   |                 |
|---------------------|------------------------|-----------------------------------|-----------------|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA  | 1-800-535-5053  |
| Address             | 44 Rossotto Dr.        | Emergency Telephone International | 1-352-323-3500  |
|                     | Hamden CT, 06514       | Date Prepared/Revised             | January 1, 2024 |

## Section II - Hazards Identification

## GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

|          |                                      |                |                                               |
|----------|--------------------------------------|----------------|-----------------------------------------------|
| H225     | Highly Flammable Liquid and Vapor    | H301, 311, 331 | Toxic if swallowed, skin contact, inhaled     |
| H370     | Cause damage to organs               | H351           | Suspected of causing cancer                   |
| P271     | Use in ventilated area               | P280           | Use gloves, eye protection/face shield        |
| 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<br>> 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 (H <sub>2</sub> O = 1) | 0.79  |
| Vapor Pressure (mm Hg)  | 96                                                        | Melting Point                           | -98°C |
| Vapor Density (AIR = 1) | 1.11                                                      | Evaporation rate<br>(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)                                   | IATA                                       |
| UN number: 1230 Class: 3 Packing group: II | UN number: 1230 Class: 3 Packing group: II |
| Proper shipping name: Methanol             | Proper shipping name: Methanol             |

**Section XV. REGULATORY INFORMATION**

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant  
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**Section XVI. Misc. INFORMATION**

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



## Certified Reference Material CRM



## CERTIFIED WEIGHT REPORT

Part Number: **95318**  
Lot Number: **120524**  
Description: **2-Chloroethyl vinyl ether**

Solvent(s):  
Methanol

Lot#  
EJ143-US

Expiration Date: **120527**  
Recommended Storage: **Refrigerate (4 °C)**  
Nominal Concentration (µg/mL): **10000**  
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

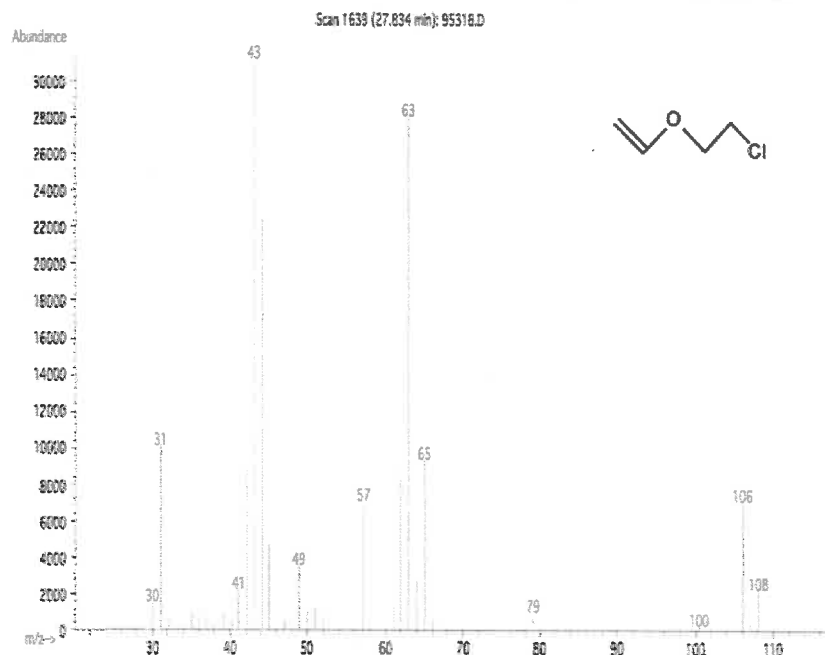
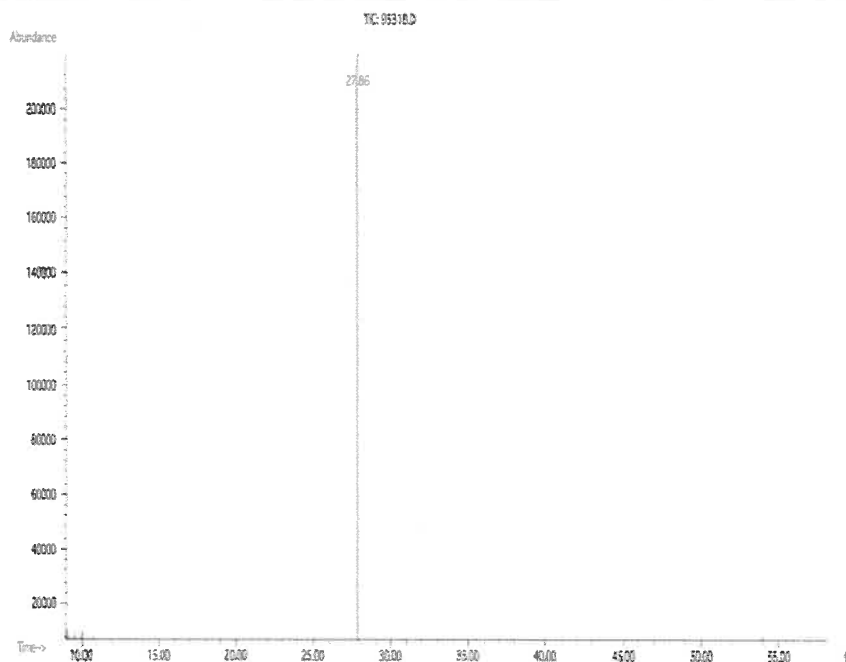
5E-05 Balance Uncertainty  
0.001 Flask Uncertainty

*Prashant Chauhan* 120524  
Formulated By: Prashant Chauhan DATE  
*Pedro L. Rentas* 120524  
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to  
✓ 14649

| 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 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).

## Safety Data Sheet (SDS)

GHS/OSHA Compliant

## Section I Product and Company Identification

## IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

|                     |                        |                                   |                 |
|---------------------|------------------------|-----------------------------------|-----------------|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA  | 1-800-535-5053  |
| Address             | 44 Rossotto Dr.        | Emergency Telephone International | 1-352-323-3500  |
|                     | Hamden CT, 06514       | Date Prepared/Revised             | January 1, 2024 |

## Section II - Hazards Identification

## GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

|          |                                      |                |                                               |
|----------|--------------------------------------|----------------|-----------------------------------------------|
| H225     | Highly Flammable Liquid and Vapor    | H301, 311, 331 | Toxic if swallowed, skin contact, inhaled     |
| H370     | Cause damage to organs               | H351           | Suspected of causing cancer                   |
| P271     | Use in ventilated area               | P280           | Use gloves, eye protection/face shield        |
| 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 | > 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 (H <sub>2</sub> O = 1) | 0.79  |
| Vapor Pressure (mm Hg)  | 96                                                        | Melting Point                           | -98°C |
| Vapor Density (AIR = 1) | 1.11                                                      | Evaporation rate<br>(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)                                   | IATA                                       |
| UN number: 1230 Class: 3 Packing group: II | UN number: 1230 Class: 3 Packing group: II |
| Proper shipping name: Methanol             | Proper shipping name: Methanol             |

**Section XV. REGULATORY INFORMATION**

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant  
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**Section XVI. Misc. INFORMATION**

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



## Certified Reference Material CRM



## CERTIFIED WEIGHT REPORT

Part Number: **95318**  
Lot Number: **120524**  
Description: **2-Chloroethyl vinyl ether**

Solvent(s):  
Methanol

Lot#  
EJ143-US

Expiration Date: **120527**  
Recommended Storage: **Refrigerate (4 °C)**  
Nominal Concentration (µg/mL): **10000**  
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

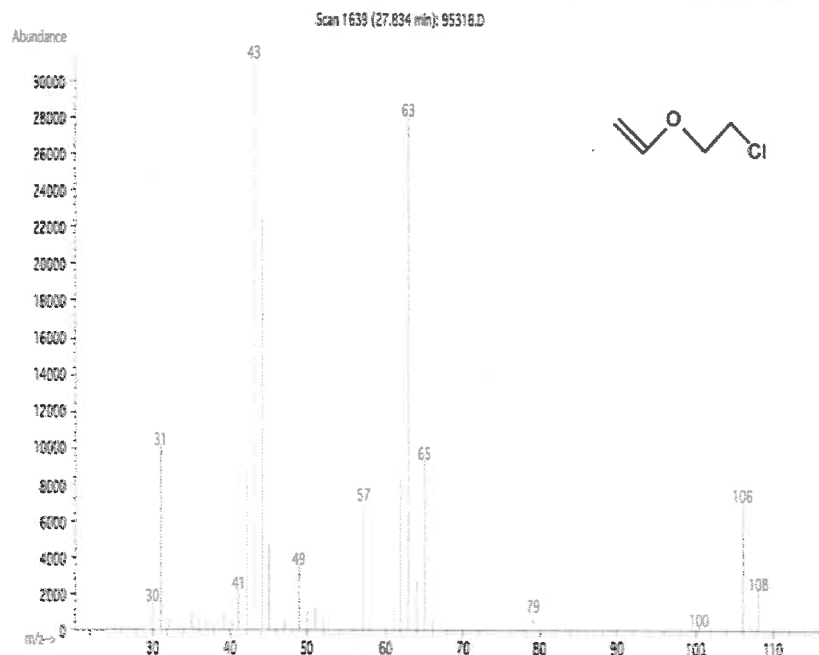
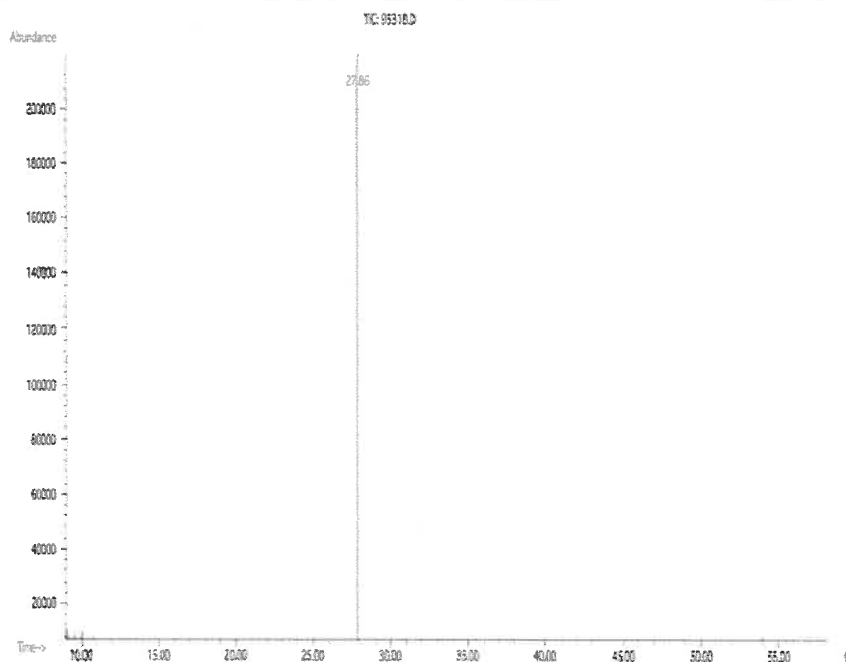
5E-05 Balance Uncertainty  
0.001 Flask Uncertainty

*Prashant Chauhan* 120524  
Formulated By: Prashant Chauhan DATE  
*Pedro L. Rentas* 120524  
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to  
✓ 14649

| Compound                     | RM# | Lot Number | Nominal<br>Conc (µg/mL) | Purity<br>(%) | Uncertainty<br>Purity | Target<br>Weight (g) | Actual<br>Weight (g) | Actual<br>Conc (µg/mL) | Expanded<br>Uncertainty<br>(+/-) (µg/mL) | SDS Information<br>(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 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).

## Safety Data Sheet (SDS)

GHS/OSHA Compliant

## Section I Product and Company Identification

## IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

|                     |                        |                                   |                 |
|---------------------|------------------------|-----------------------------------|-----------------|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA  | 1-800-535-5053  |
| Address             | 44 Rossotto Dr.        | Emergency Telephone International | 1-352-323-3500  |
|                     | Hamden CT, 06514       | Date Prepared/Revised             | January 1, 2024 |

## Section II - Hazards Identification

## GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

|          |                                      |                |                                               |
|----------|--------------------------------------|----------------|-----------------------------------------------|
| H225     | Highly Flammable Liquid and Vapor    | H301, 311, 331 | Toxic if swallowed, skin contact, inhaled     |
| H370     | Cause damage to organs               | H351           | Suspected of causing cancer                   |
| P271     | Use in ventilated area               | P280           | Use gloves, eye protection/face shield        |
| 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 | > 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 (H <sub>2</sub> O = 1) | 0.79  |
| Vapor Pressure (mm Hg)  | 96                                                        | Melting Point                           | -98°C |
| Vapor Density (AIR = 1) | 1.11                                                      | Evaporation rate<br>(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)                                   | IATA                                       |
| UN number: 1230 Class: 3 Packing group: II | UN number: 1230 Class: 3 Packing group: II |
| Proper shipping name: Methanol             | Proper shipping name: Methanol             |

**Section XV. REGULATORY INFORMATION**

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant  
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**Section XVI. Misc. INFORMATION**

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



## Certified Reference Material CRM



## CERTIFIED WEIGHT REPORT

Part Number: **95318**  
Lot Number: **120524**  
Description: **2-Chloroethyl vinyl ether**

Solvent(s):  
Methanol

Lot#  
EJ143-US

Expiration Date: **120527**  
Recommended Storage: **Refrigerate (4 °C)**  
Nominal Concentration (µg/mL): **10000**  
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

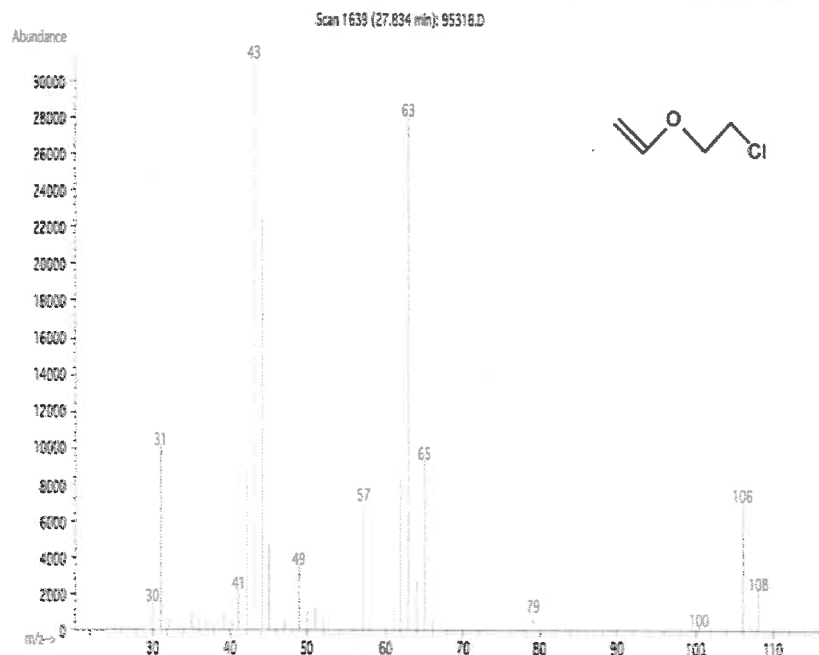
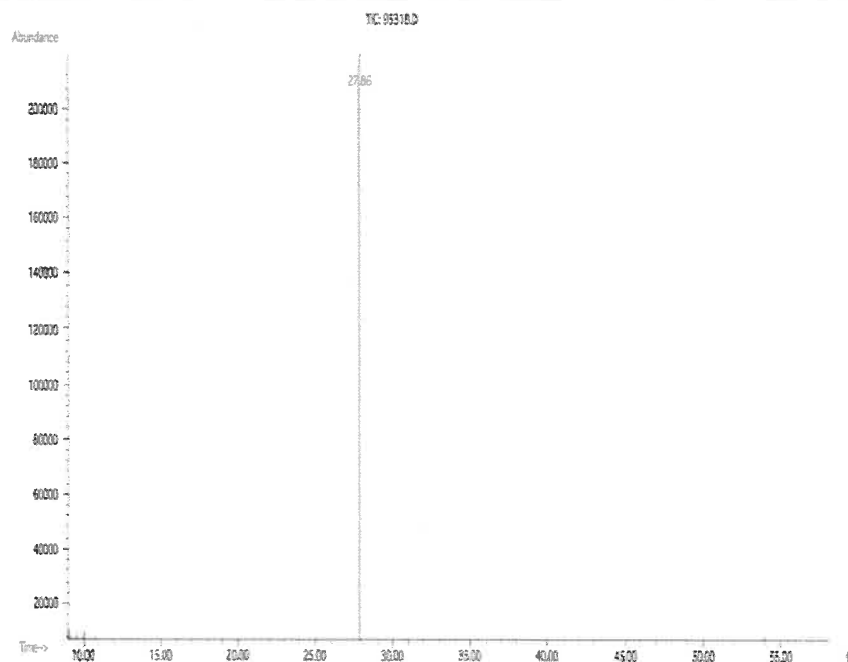
5E-05 Balance Uncertainty  
0.001 Flask Uncertainty

*Prashant Chauhan* 120524  
Formulated By: Prashant Chauhan DATE  
*Pedro L. Rentas* 120524  
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to  
✓ 14649

| Compound                     | RM# | Lot Number | Nominal<br>Conc (µg/mL) | Purity<br>(%) | Uncertainty<br>Purity | Target<br>Weight (g) | Actual<br>Weight (g) | Actual<br>Conc (µg/mL) | Expanded<br>Uncertainty<br>(+/-) (µg/mL) | SDS Information<br>(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 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).

## Safety Data Sheet (SDS)

GHS/OSHA Compliant

## Section I Product and Company Identification

## IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

|                     |                        |                                   |                 |
|---------------------|------------------------|-----------------------------------|-----------------|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA  | 1-800-535-5053  |
| Address             | 44 Rossotto Dr.        | Emergency Telephone International | 1-352-323-3500  |
|                     | Hamden CT, 06514       | Date Prepared/Revised             | January 1, 2024 |

## Section II - Hazards Identification

## GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

|          |                                      |                |                                               |
|----------|--------------------------------------|----------------|-----------------------------------------------|
| H225     | Highly Flammable Liquid and Vapor    | H301, 311, 331 | Toxic if swallowed, skin contact, inhaled     |
| H370     | Cause damage to organs               | H351           | Suspected of causing cancer                   |
| P271     | Use in ventilated area               | P280           | Use gloves, eye protection/face shield        |
| 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 | > 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 (H <sub>2</sub> O = 1) | 0.79  |
| Vapor Pressure (mm Hg)  | 96                                                        | Melting Point                           | -98°C |
| Vapor Density (AIR = 1) | 1.11                                                      | Evaporation rate<br>(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)                                   | IATA                                       |
| UN number: 1230 Class: 3 Packing group: II | UN number: 1230 Class: 3 Packing group: II |
| Proper shipping name: Methanol             | 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.



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### 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:**

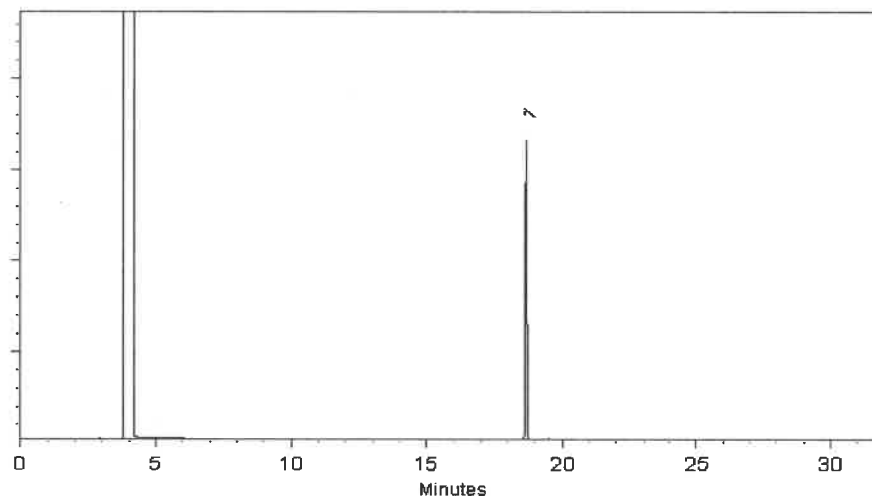
FID

**Split Vent:**

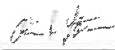
40 ml/min

**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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  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.



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30006 **Lot No.:** A0200785

**Description :** VOA Calibration Mix #1  
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                    | CAS #    | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------------------------|----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | Acetone                     | 67-64-1  | SHBP8774 | 99%    | 5,018.5 µg/mL               | +/- 173.4162                           |
| 2             | 2-Butanone (MEK)            | 78-93-3  | SHBL5543 | 99%    | 5,016.0 µg/mL               | +/- 173.3298                           |
| 3             | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP4724 | 99%    | 5,010.7 µg/mL               | +/- 173.1455                           |
| 4             | 2-Hexanone                  | 591-78-6 | MKCQ6663 | 99%    | 5,015.0 µg/mL               | +/- 173.2952                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol/Water (90:10)  
**CAS #** 67-56-1/7732-18-5  
**Purity** 99%



## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

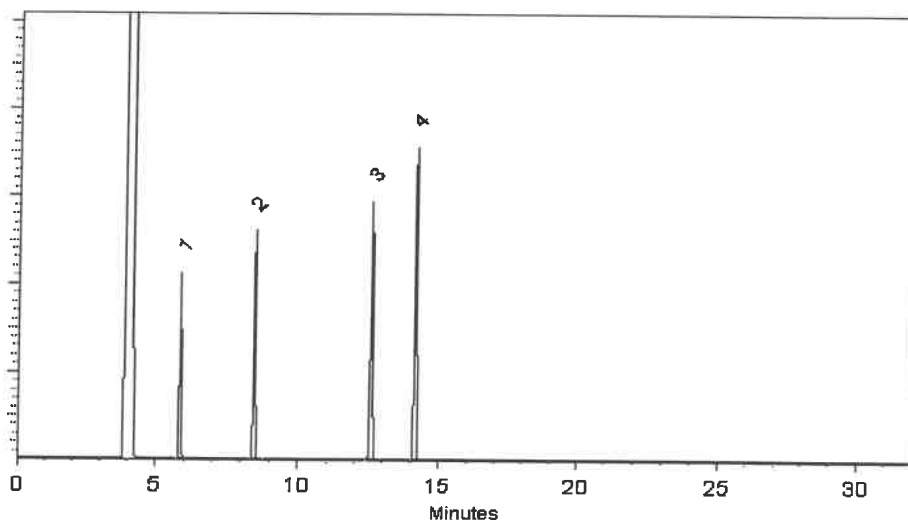
FID

**Split Vent:**

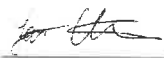
40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271

  
Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



## FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30006 **Lot No.:** A0200785

**Description :** VOA Calibration Mix #1  
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound                    | CAS #    | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------------------------|----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | Acetone                     | 67-64-1  | SHBP8774 | 99%    | 5,018.5 µg/mL               | +/- 173.4162                           |
| 2             | 2-Butanone (MEK)            | 78-93-3  | SHBL5543 | 99%    | 5,016.0 µg/mL               | +/- 173.3298                           |
| 3             | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP4724 | 99%    | 5,010.7 µg/mL               | +/- 173.1455                           |
| 4             | 2-Hexanone                  | 591-78-6 | MKCQ6663 | 99%    | 5,015.0 µg/mL               | +/- 173.2952                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol/Water (90:10)  
**CAS #** 67-56-1/7732-18-5  
**Purity** 99%

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

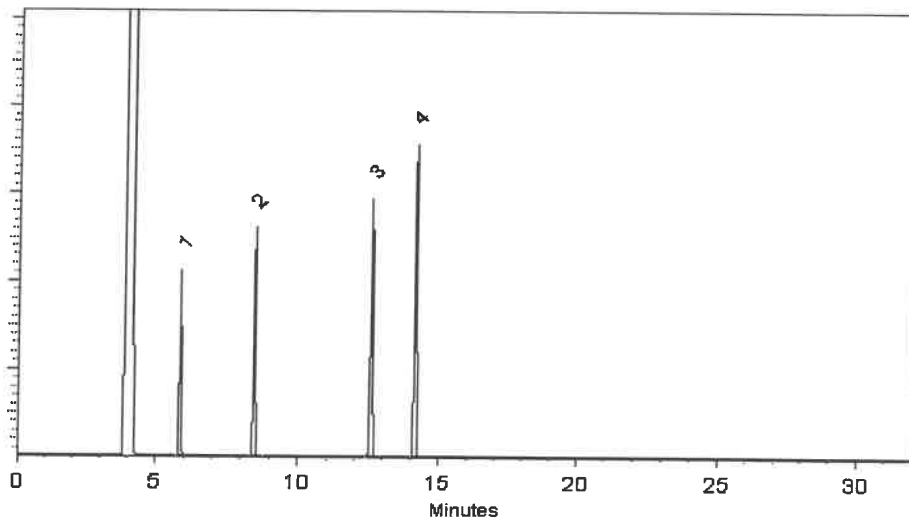
FID

**Split Vent:**

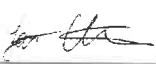
40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271

  
Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



## FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30006 **Lot No.:** A0200785

**Description :** VOA Calibration Mix #1  
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound                    | CAS #    | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------------------------|----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | Acetone                     | 67-64-1  | SHBP8774 | 99%    | 5,018.5 µg/mL               | +/- 173.4162                           |
| 2             | 2-Butanone (MEK)            | 78-93-3  | SHBL5543 | 99%    | 5,016.0 µg/mL               | +/- 173.3298                           |
| 3             | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP4724 | 99%    | 5,010.7 µg/mL               | +/- 173.1455                           |
| 4             | 2-Hexanone                  | 591-78-6 | MKCQ6663 | 99%    | 5,015.0 µg/mL               | +/- 173.2952                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol/Water (90:10)  
**CAS #** 67-56-1/7732-18-5  
**Purity** 99%

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

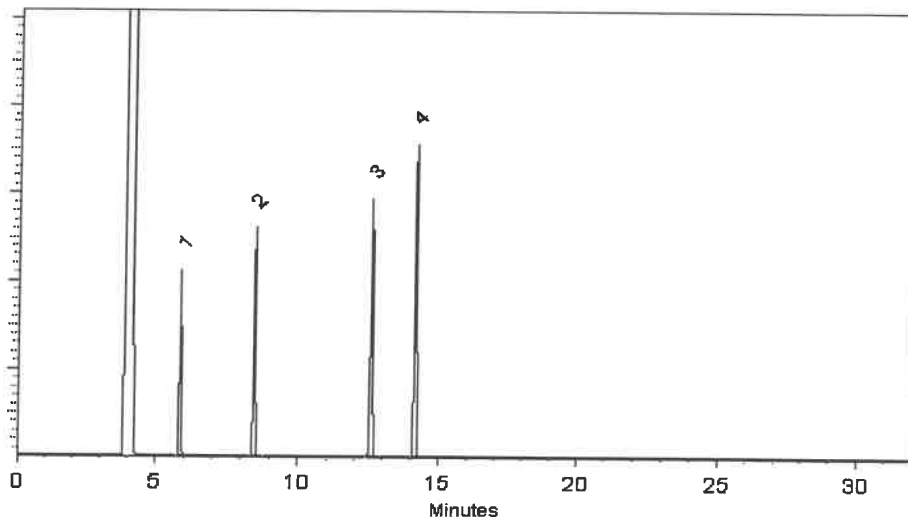
FID

**Split Vent:**

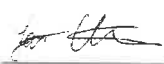
40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271

  
Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  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

gravimetric



### 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

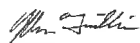
**Expiration Date :** April 30, 2027 **Storage:** 10°C or colder

**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

REVISED  
By Restek Review of 11-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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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10 vial.  
Dec: 12/09/24  
CERTIFIED REFERENCE MATERIAL

**Certificate of Analysis**  
*chromatographic plus*  
V14667-5  
V14676



**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30225 **Lot No.:** A0214960  
**Description :** Bromochloromethane Standard  
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** August 31, 2029 **Storage:** 0°C or colder  
**Ship:** Ambient

**CERTIFIED VALUES**

| Elution Order | Compound           | CAS #   | Lot #        | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|--------------------|---------|--------------|--------|-----------------------------|----------------------------------------|
| 1             | Bromochloromethane | 74-97-5 | SYN240416CTH | 99%    | 2,012.0 µg/mL               | +/- 113.0519                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

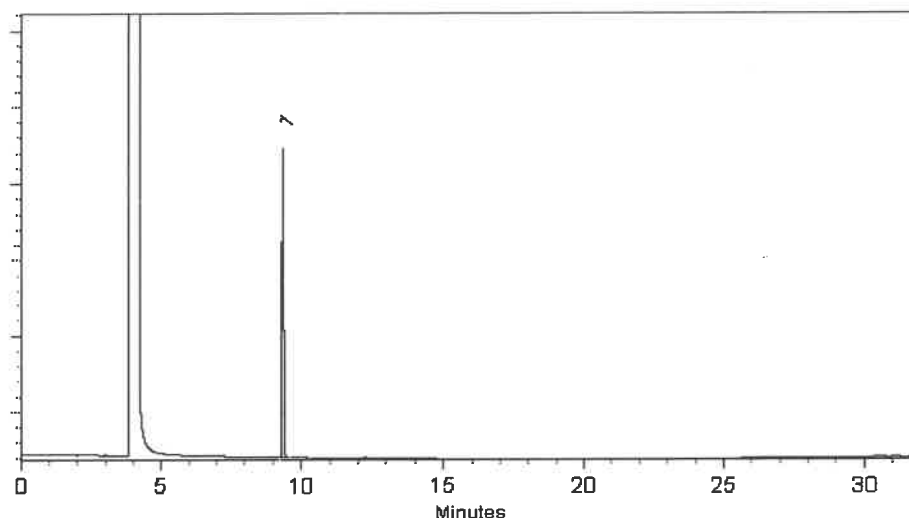
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024

Balance Serial # 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ $\mu$ ECD, 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  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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10 vial.  
Dec: 12/09/24  
CERTIFIED REFERENCE MATERIAL

**Certificate of Analysis**  
*chromatographic plus*  
V14667  
V14676



**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30225 **Lot No.:** A0214960  
**Description :** Bromochloromethane Standard  
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** August 31, 2029 **Storage:** 0°C or colder  
**Ship:** Ambient

**CERTIFIED VALUES**

| Elution Order | Compound           | CAS #   | Lot #        | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|--------------------|---------|--------------|--------|-----------------------------|----------------------------------------|
| 1             | Bromochloromethane | 74-97-5 | SYN240416CTH | 99%    | 2,012.0 µg/mL               | +/- 113.0519                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

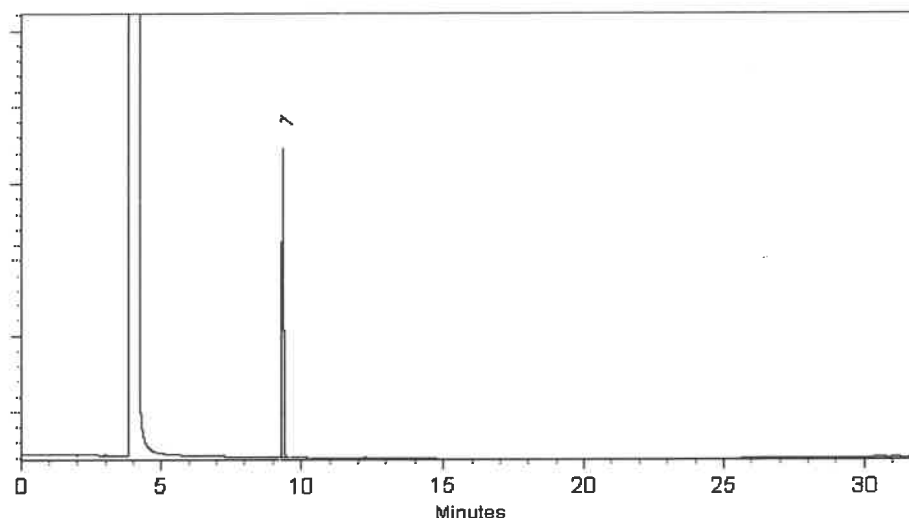
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024

Balance Serial # 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ $\mu$ ECD, 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.





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10 vial.  
Dec: 12/09/24  
**CERTIFIED REFERENCE MATERIAL**

# Certificate of Analysis

chromatographic plus  
V14667  
V14676



**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30225 **Lot No.:** A0214960  
**Description :** Bromochloromethane Standard  
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** August 31, 2029 **Storage:** 0°C or colder  
**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound           | CAS #   | Lot #        | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|--------------------|---------|--------------|--------|-----------------------------|----------------------------------------|
| 1             | Bromochloromethane | 74-97-5 | SYN240416CTH | 99%    | 2,012.0 µg/mL               | +/- 113.0519                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

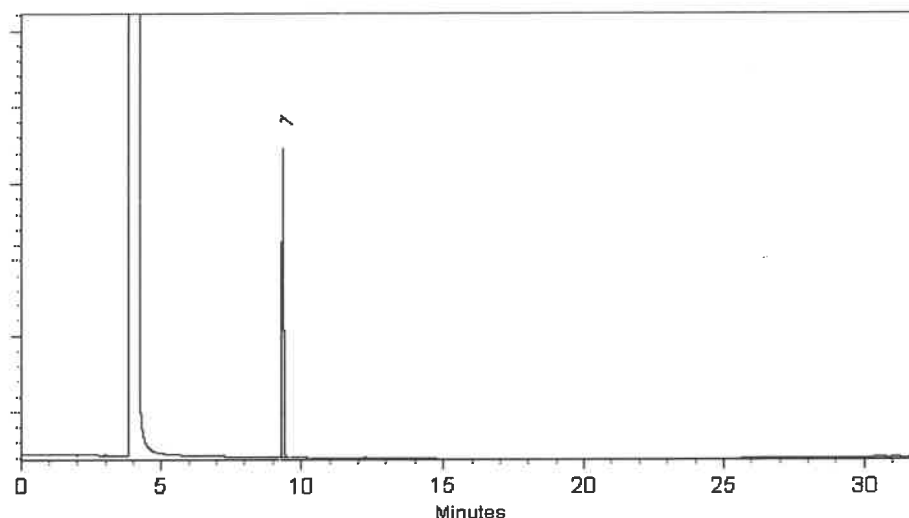
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024

Balance Serial # 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ $\mu$ ECD, 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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10 vial.  
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**Certificate of Analysis**  
*chromatographic plus*  
V14667  
V14676



**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30225 **Lot No.:** A0214960  
**Description :** Bromochloromethane Standard  
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** August 31, 2029 **Storage:** 0°C or colder  
**Ship:** Ambient

**CERTIFIED VALUES**

| Elution Order | Compound           | CAS #   | Lot #        | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|--------------------|---------|--------------|--------|-----------------------------|----------------------------------------|
| 1             | Bromochloromethane | 74-97-5 | SYN240416CTH | 99%    | 2,012.0 µg/mL               | +/- 113.0519                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

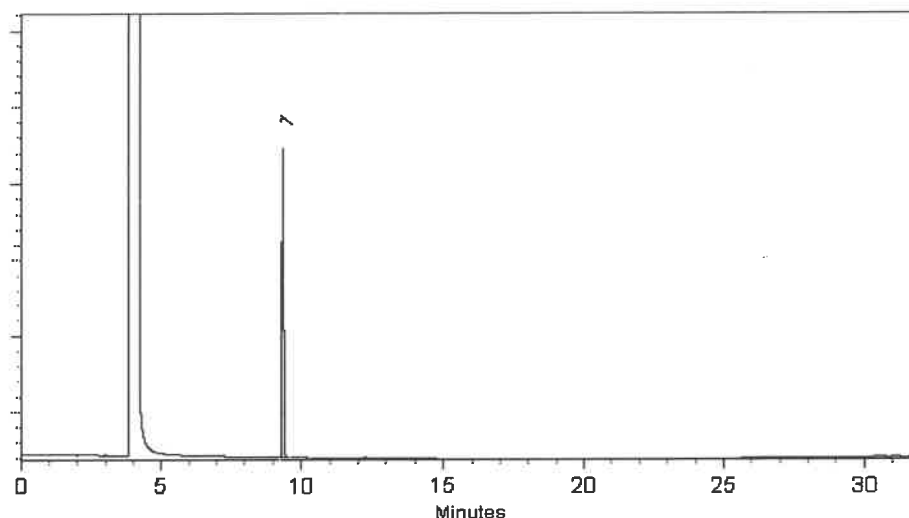
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024

Balance Serial # 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ $\mu$ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

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$k$  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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Rec 12/17/24  
30 ml  
CERTIFIED REFERENCE MATERIAL

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*chromatographic plus*  
V14727 to  
V14756



**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:**

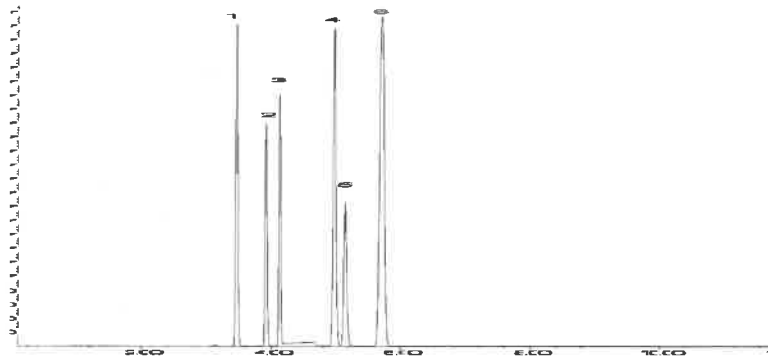
MSD

**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 Suckal - 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  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 12/17/24  
30 ml  
CERTIFIED REFERENCE MATERIAL

**Certificate of Analysis**  
*chromatographic plus*

V14727 to  
V14756



**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:**

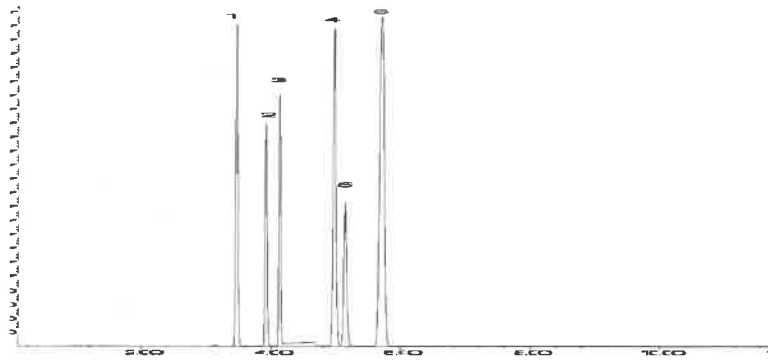
MSD

**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 Suckal - 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus

✓ 14842 to 14846



## FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30470 **Lot No.:** A0217535  
**Description :** tert-Butanol Standard  
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** October 31, 2027 **Storage:** 0°C or colder  
**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound           | CAS #   | Lot #      | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|--------------------|---------|------------|--------|-----------------------------|----------------------------------------|
| 1             | tert-Butanol (TBA) | 75-65-0 | SHBQ8002-1 | 99%    | 50,007.5 µg/mL              | +/- 717.6137                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

# Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

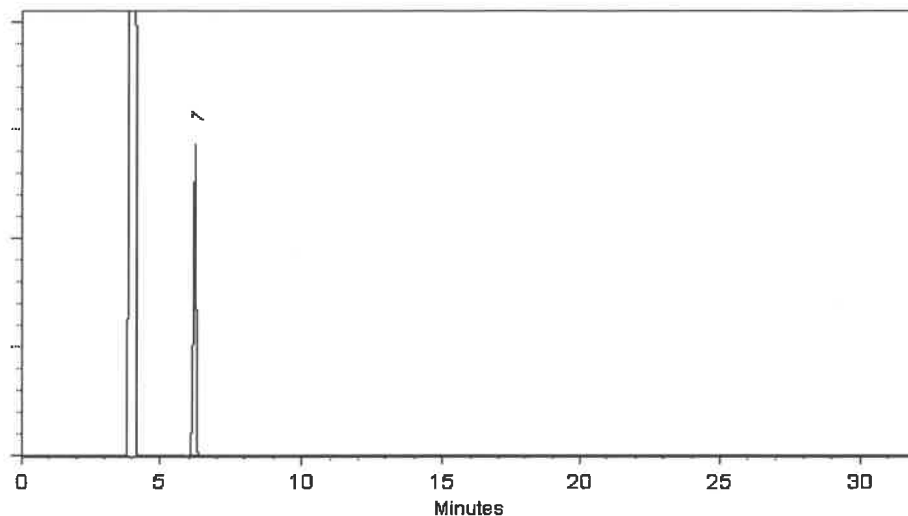
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*A.O.E.*  
Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024

Balance Serial # B251644995

*Brittany Federinko*  
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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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2014 Dec 01/08/21  
CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic

V14803 - V14822



## 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:**

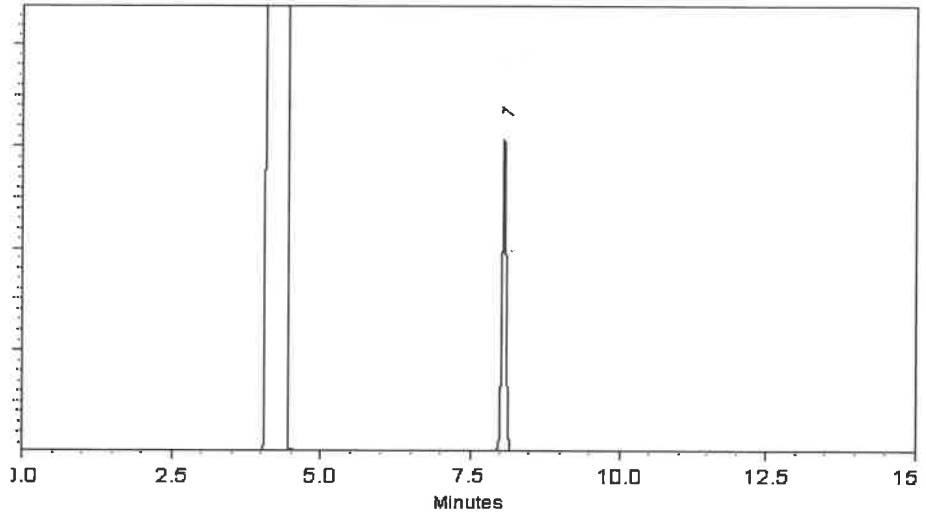
FID

**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  
By Jennifer Pollock at 7:12 am, Jan 05, 2025

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  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.



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

2014 Dec 01/08/21  
CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic

V14803 - V14822



## FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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**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.

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**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

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hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

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200°C

**Det. Temp:**

250°C

**Det. Type:**

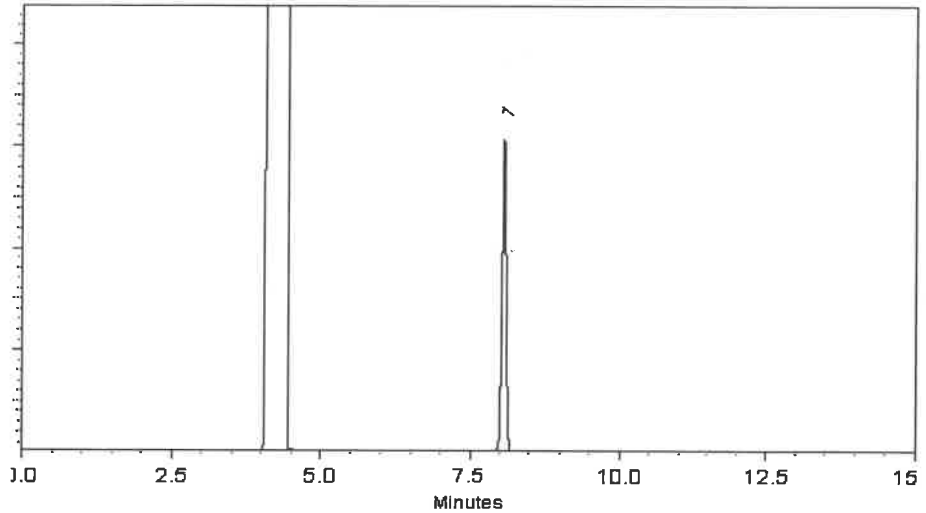
FID

**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  
By Jennifer Pollock at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  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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www.restek.com

10 vial  
Dec 03/31/25  
CERTIFIED REFERENCE MATERIAL

**Certificate of Analysis**  
gravimetric

V14904 to V14913



**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555582 **Lot No.:** A0223904  
**Description :** Custom 8260A/B Surrogate Mix  
Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol,  
1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** March 31, 2028 **Storage:** 10°C or colder  
**Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound                      | CAS #      | Lot #      | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|-------------|-------------------------------|------------|------------|--------|-----------------------------|----------------------------------------|
| 1           | 1,2-Dichloroethane-d4         | 17060-07-0 | PR-33313   | 99%    | 25,108.0 µg/mL              | +/- 1,421.9957                         |
| 2           | 1-Bromo-4-fluorobenzene (BFB) | 460-00-4   | 0000268853 | 99%    | 25,108.0 µg/mL              | +/- 1,421.9957                         |
| 3           | Dibromofluoromethane          | 1868-53-7  | VENKAT02   | 99%    | 25,232.0 µg/mL              | +/- 1,429.0184                         |
| 4           | Toluene-d8                    | 2037-26-5  | PR-34141   | 99%    | 25,156.0 µg/mL              | +/- 1,424.7141                         |

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

Brittany Federlino - Operations Tech I

**Date Mixed:** 27-Mar-2025

**Balance:** B251644995

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

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$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol  
ULTRA RESI-ANALYZED  
For Purge and Trap Analysis



V 14921 to  
V 14938

Material No.: 9077-02  
Batch No.: 24G0262002  
Manufactured Date: 2024-05-14  
Expiration Date: 2027-05-14  
Revision No.: 0

Certificate of Analysis

| Test                                                    | Specification | Result   |
|---------------------------------------------------------|---------------|----------|
| Assay (CH <sub>3</sub> OH) (by GC, corrected for water) | ≥ 99.9 %      | 100.0 %  |
| Residue after Evaporation                               | ≤ 1.0 ppm     | 0.3 ppm  |
| Titration Acid (µeq/g)                                  | ≤ 0.3         | 0.3      |
| Titration 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 |

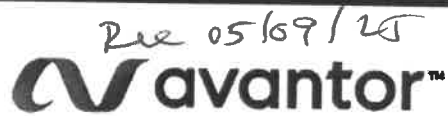
For Laboratory, Research, or Manufacturing Use  
Performance Tested for Use in EPA Methods  
500 Series for Drinking Water  
600 Series for Wastewater  
846 for Solid Waste

Country of Origin: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak  
Director Quality Operations, Bioscience Production  
1276 of 1288



Methanol  
ULTRA RESI-ANALYZED  
For Purge and Trap Analysis



V 14921 to  
V 14938

Material No.: 9077-02  
Batch No.: 24G0262002  
Manufactured Date: 2024-05-14  
Expiration Date: 2027-05-14  
Revision No.: 0

## Certificate of Analysis

| Test                                                    | Specification | Result   |
|---------------------------------------------------------|---------------|----------|
| Assay (CH <sub>3</sub> OH) (by GC, corrected for water) | ≥ 99.9 %      | 100.0 %  |
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| 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

Jamie Croak  
Director Quality Operations, Bioscience Production

Methanol  
ULTRA RESI-ANALYZED  
For Purge and Trap Analysis

Rev 05/09/25  
**Avantor™**



V 14921 to  
V 14938

Material No.: 9077-02  
Batch No.: 24G0262002  
Manufactured Date: 2024-05-14  
Expiration Date: 2027-05-14  
Revision No.: 0

## Certificate of Analysis

| Test                                                    | Specification | Result   |
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| Assay (CH <sub>3</sub> OH) (by GC, corrected for water) | ≥ 99.9 %      | 100.0 %  |
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Jamie Croak  
Director Quality Operations, Bioscience Production



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www.restek.com

2ee 05/19/25  
CERTIFIED REFERENCE MATERIAL  
20 vial

# Certificate of Analysis

chromatographic plus

✓ 14951 to ✓ 14970



## FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30489 **Lot No.:** A0222076  
**Description :** 8260B Acetates Mix  
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** August 31, 2026 **Storage:** -20°C or colder  
**Handling:** This product is photosensitive. **Ship:** On Ice

## CERTIFIED VALUES

| Elution Order | Compound          | CAS #    | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------|----------|-------------|--------|-----------------------------|----------------------------------------|
| 1             | Methyl acetate    | 79-20-9  | SHBR1889    | 99%    | 2,004.0 µg/mL               | +/- 69.2674                            |
| 2             | Vinyl acetate     | 108-05-4 | RD240423RSR | 99%    | 2,010.0 µg/mL               | +/- 69.4748                            |
| 3             | Ethyl acetate     | 141-78-6 | SHBS3323    | 99%    | 2,019.3 µg/mL               | +/- 69.7974                            |
| 4             | Isopropyl acetate | 108-21-4 | BCCG7069    | 99%    | 2,008.0 µg/mL               | +/- 69.4057                            |
| 5             | Propyl acetate    | 109-60-4 | P8XLN       | 99%    | 2,008.0 µg/mL               | +/- 69.4057                            |
| 6             | Butyl acetate     | 123-86-4 | SHBR2024    | 99%    | 2,008.0 µg/mL               | +/- 69.4057                            |
| 7             | Amyl acetate      | 628-63-7 | BCBT7442    | 99%    | 2,006.7 µg/mL               | +/- 69.3596                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

### Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this



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2ee 05/19/25  
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Rec 10/16/25 5:14p



## CERTIFIED WEIGHT REPORT

Part Number: 91980  
Lot Number: 101625  
Description: AcroleinSolvent(s):  
Water Lot# 041725QExpiration Date: 111625  
Recommended Storage: Refrigerate (2°C to 8°C)  
Nominal Concentration (µg/mL): 5000  
NIST Test ID#: 6UTB

V15071-V15075

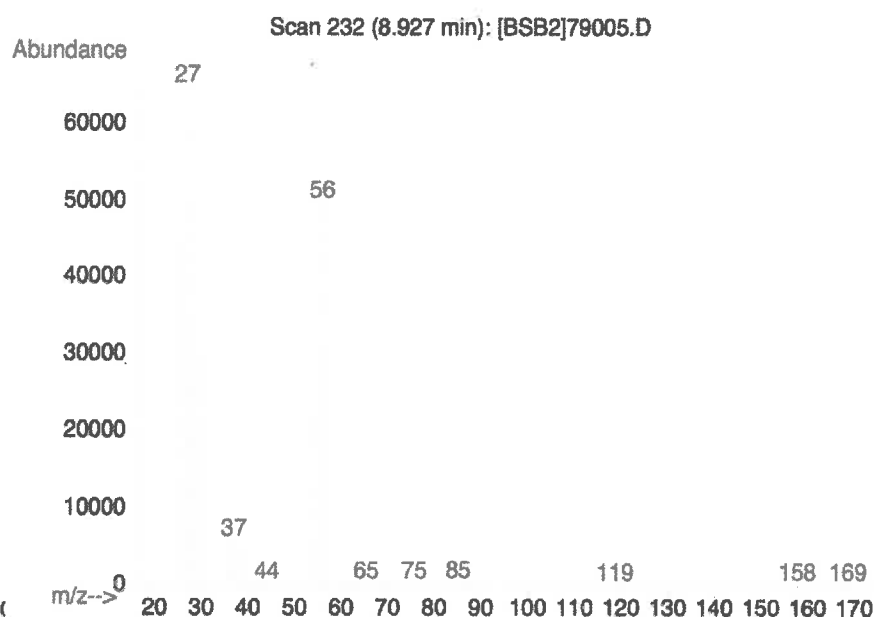
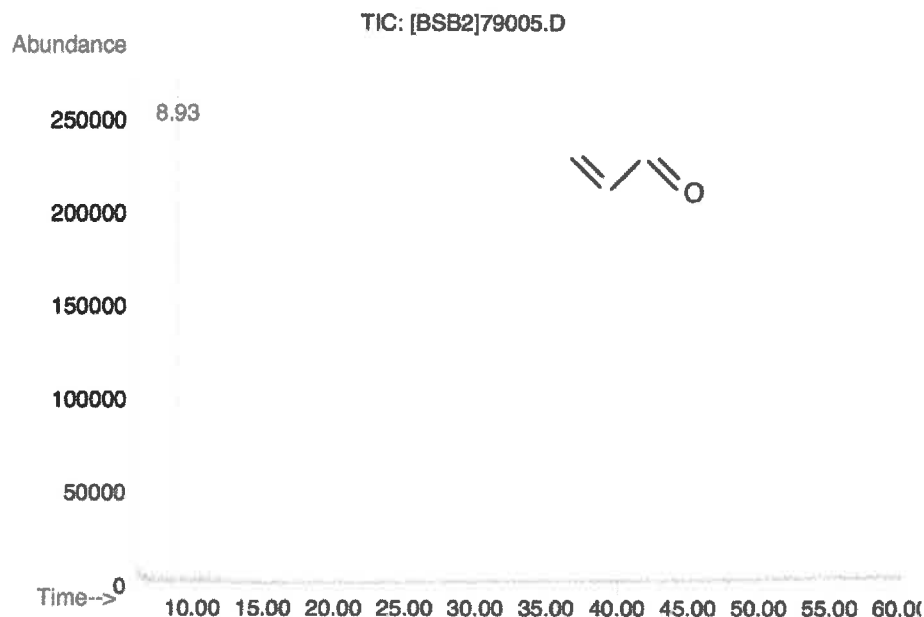
5E-05 Balance Uncertainty  
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

|                |                  |        |
|----------------|------------------|--------|
|                |                  | 101625 |
| Formulated By: | Prashant Chauhan | DATE   |
|                |                  | 101625 |
| Reviewed By:   | Pedro L. Rentas  | DATE   |

| Compound    | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) |                |                 |
|-------------|-----|------------|----------------------|------------|--------------------|------------------|------------------|---------------------|------------------------------------|--------------------------------------------------------|----------------|-----------------|
|             |     |            |                      |            |                    |                  |                  |                     |                                    | CAS#                                                   | OSHA PEL (TWA) | LD50            |
| 1. Acrolein | 5   | 103755V10F | 5000                 | 97         | 0.5                | 0.05166          | 0.05180          | 5013.7              | 52.6                               | 107-02-8                                               | 0.1 ppm        | ori-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



## Certified Reference Material CRM

Rec 10/16/25 5:14p



## CERTIFIED WEIGHT REPORT

Part Number: 91980  
Lot Number: 101625  
Description: AcroleinSolvent(s):  
Water Lot# 041725Q

|                |                  |        |
|----------------|------------------|--------|
|                |                  | 101625 |
| Formulated By: | Prashant Chauhan | DATE   |
|                |                  | 101625 |
| Reviewed By:   | Pedro L. Rentas  | DATE   |

Expiration Date: 111625

Recommended Storage: Refrigerate (2°C to 8°C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

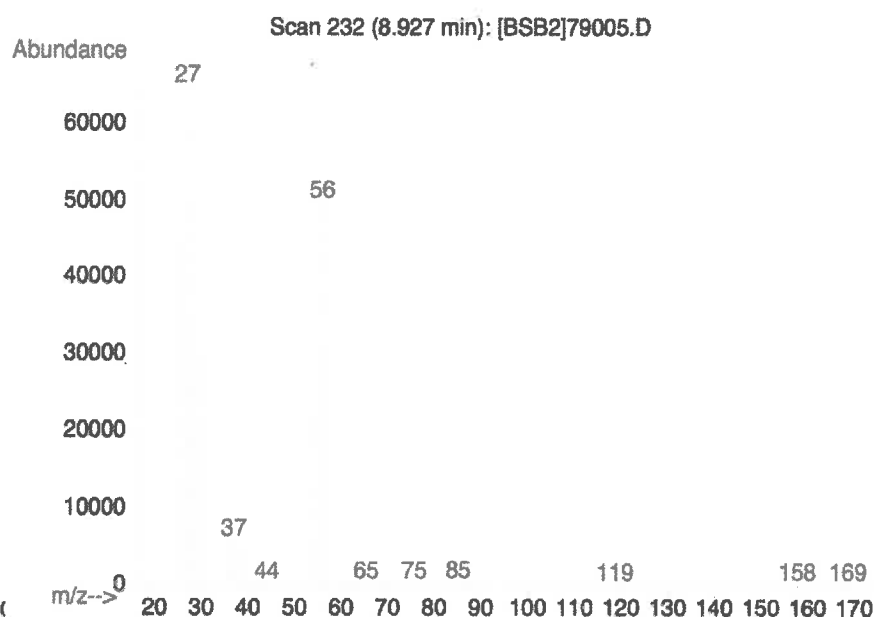
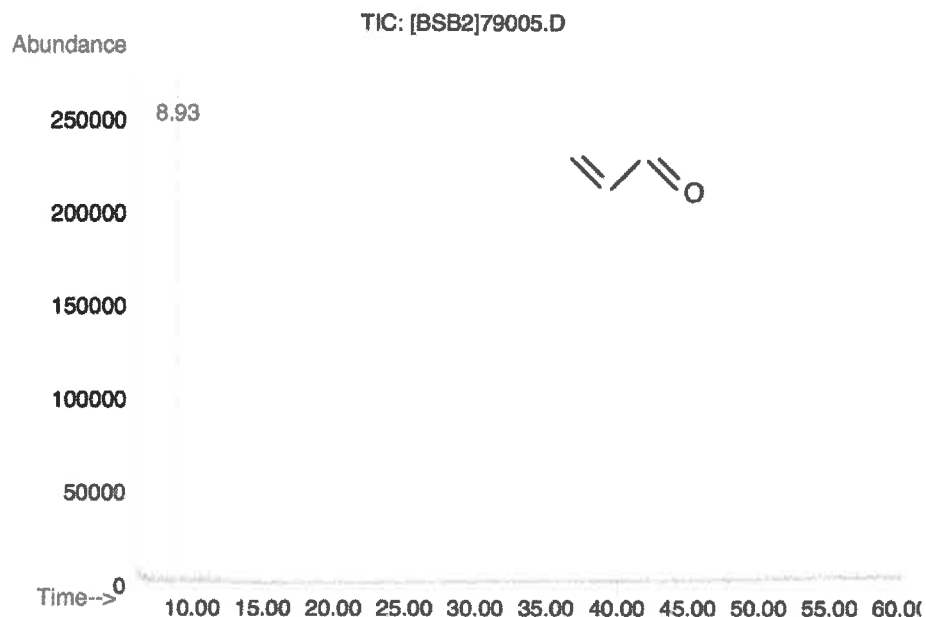
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

V15071-V15075

| Compound    | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) |                |                 |
|-------------|-----|------------|----------------------|------------|--------------------|------------------|------------------|---------------------|------------------------------------|--------------------------------------------------------|----------------|-----------------|
|             |     |            |                      |            |                    |                  |                  |                     |                                    | CAS#                                                   | OSHA PEL (TWA) | LD50            |
| 1. Acrolein | 5   | 103755V10F | 5000                 | 97         | 0.5                | 0.05166          | 0.05180          | 5013.7              | 52.6                               | 107-02-8                                               | 0.1 ppm        | ori-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





Rec 10/16/25 5:14p



## CERTIFIED WEIGHT REPORT

Part Number: 91980  
Lot Number: 101625  
Description: AcroleinSolvent(s):  
Water Lot# 041725Q

|                |                  |        |
|----------------|------------------|--------|
|                |                  | 101625 |
| Formulated By: | Prashant Chauhan | DATE   |
|                |                  | 101625 |
| Reviewed By:   | Pedro L. Rentas  | DATE   |

Expiration Date: 111625

Recommended Storage: Refrigerate (2°C to 8°C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

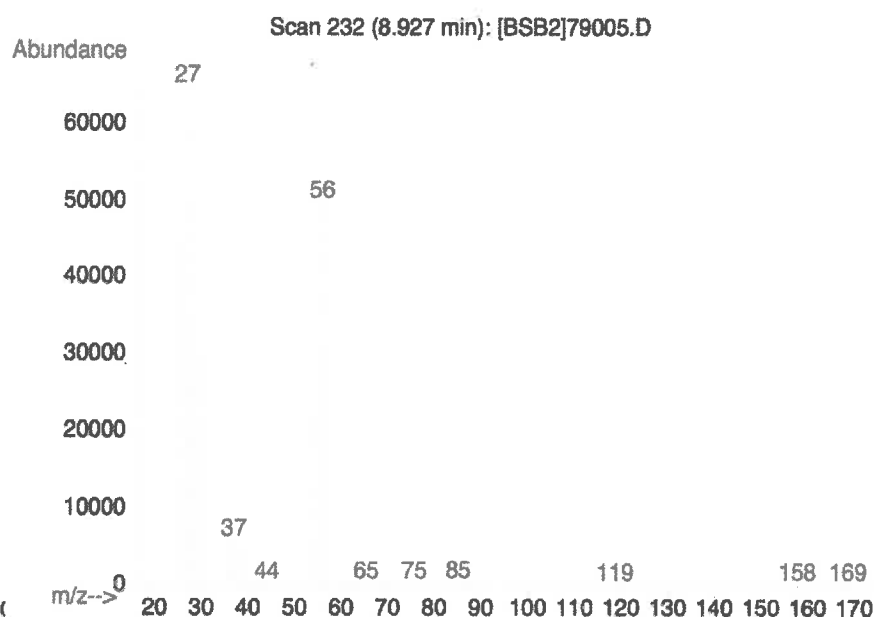
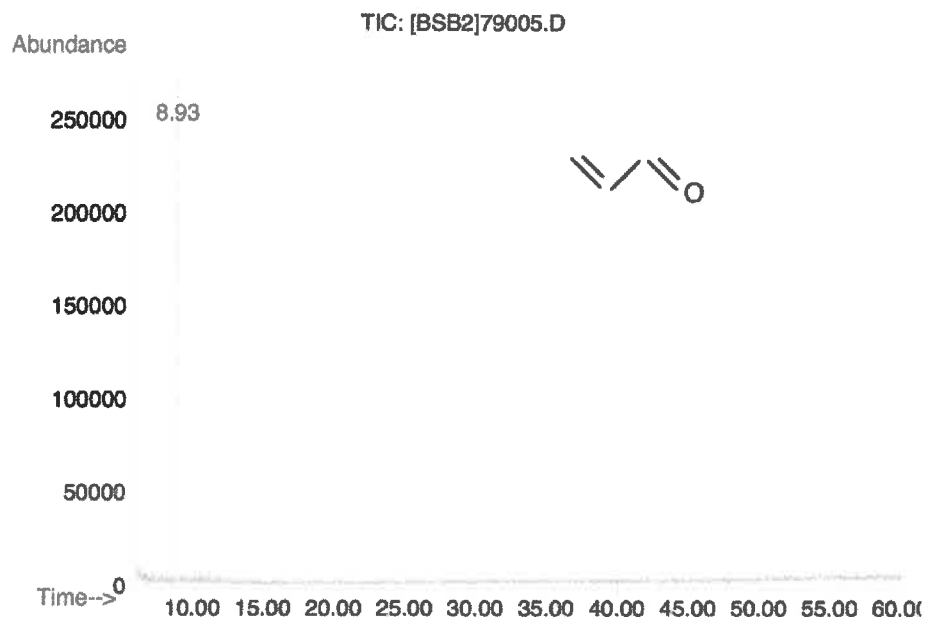
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

V15071-V15075

| Compound    | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) |                |                 |
|-------------|-----|------------|----------------------|------------|--------------------|------------------|------------------|---------------------|------------------------------------|--------------------------------------------------------|----------------|-----------------|
|             |     |            |                      |            |                    |                  |                  |                     |                                    | CAS#                                                   | OSHA PEL (TWA) | LD50            |
| 1. Acrolein | 5   | 103755V10F | 5000                 | 97         | 0.5                | 0.05166          | 0.05180          | 5013.7              | 52.6                               | 107-02-8                                               | 0.1 ppm        | ori-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.
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  - 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

## Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

| Seq | LabID    | Vial A Weight(g)=<br>Total Wt-Tare Wt | Vial A<br>Time | Vial B Weight(g)=<br>Total Wt-Tare Wt | Vial B<br>Time | Vial C Weight(g)<br>Preserve with MeOH | Vial C<br>Time | Methanol<br>ID | Preservation<br>Date | Comments              |
|-----|----------|---------------------------------------|----------------|---------------------------------------|----------------|----------------------------------------|----------------|----------------|----------------------|-----------------------|
| 1   | Q3422-01 | 36.69-32.31=4.38                      | 14:01          | 40.61-32.82=7.79                      | 14:02          | 33.02-28.53=4.49                       | 14:03          | V14921         | 10/22/2025           | TERRACORE SAMPLE 8260 |

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Control # A3041177





# SHIPPING DOCUMENTS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: AECOM  
ADDRESS: 605 3rd Ave  
CITY New York STATE: NY ZIP: 10158  
ATTENTION: Rob Forstner  
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond  
PROJECT NO.: 60693795 LOCATION: Staten Isl  
PROJECT MANAGER: Rob Forstner  
e-mail: Robert.Forstner@aecom.com  
PHONE: 11 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:  
ADDRESS: 11  
CITY STATE: ZIP:  
ATTENTION: Rob Forstner PHONE: 11

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS\*  
HARDCOPY (DATA PACKAGE): DAYS\*  
EDD: DAYS\*

\*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)  
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP  
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B  
+ Raw Data ☐ Other  
☐ EDD FORMAT

1: SVOCs 2: PCBs 3: Pesticides 4: Hg Metals 5: Pb 6: Hg 7: Dioxin- 8: TOCs 9: VOCs

PRESERVATIVES

COMMENTS

← Specify Preservatives  
A-HCl D-NaOH  
B-HNO3 E-ICE  
C-H2SO4 F-OTHER

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |       | # OF BOTTLES | PRESERVATIVES |   |   |   |   |   |   |   |   | COMMENTS |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|-------|--------------|---------------|---|---|---|---|---|---|---|---|----------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME  |              | 1             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |          |
| 1.                       | PR132-FB2-20251021               | A                |                | X    | 10/21                | 13:30 | 1            | X             | X | X | X | X |   |   | X |   |          |
| 2.                       | PR132-S15-000008-20251021        | S                |                | X    | 10/21                | 9:00  | 11           | X             | X | X | X | X | X | X | X |   |          |
| 3.                       | Temp Blank                       | A                |                |      | 10/21                |       | 1            | X             | X | X | X | X |   |   | X |   |          |
| 4.                       |                                  |                  |                |      |                      |       |              |               |   |   |   |   |   |   |   |   |          |
| 5.                       |                                  |                  |                |      |                      |       |              |               |   |   |   |   |   |   |   |   |          |
| 6.                       |                                  |                  |                |      |                      |       |              |               |   |   |   |   |   |   |   |   |          |
| 7.                       |                                  |                  |                |      |                      |       |              |               |   |   |   |   |   |   |   |   |          |
| 8.                       |                                  |                  |                |      |                      |       |              |               |   |   |   |   |   |   |   |   |          |
| 9.                       |                                  |                  |                |      |                      |       |              |               |   |   |   |   |   |   |   |   |          |
| 10.                      |                                  |                  |                |      |                      |       |              |               |   |   |   |   |   |   |   |   |          |

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

|                          |                      |                                    |                                                                                                                                                             |
|--------------------------|----------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER: | DATE/TIME:           | RECEIVED BY:                       | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP |
| 1. <u>Sim Alderson</u>   | <u>10/21/25 4:30</u> | <u>[Signature]</u> <u>10-21-25</u> | <u>2.5</u> °C                                                                                                                                               |
| RELINQUISHED BY SAMPLER: | DATE/TIME:           | RECEIVED BY:                       | Comments:                                                                                                                                                   |
| 2.                       |                      |                                    |                                                                                                                                                             |
| RELINQUISHED BY SAMPLER: | DATE/TIME:           | RECEIVED BY:                       |                                                                                                                                                             |
| 3. <u>[Signature]</u>    | <u>10-21-25</u>      | <u>[Signature]</u>                 |                                                                                                                                                             |

Page \_\_\_\_ of \_\_\_\_

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

### Laboratory Certification

| Certified By    | License No.      |
|-----------------|------------------|
|                 |                  |
| Connecticut     | PH-0830          |
|                 |                  |
| DOD ELAP (ANAB) | L2219            |
|                 |                  |
| Maine           | 2024021          |
|                 |                  |
| Maryland        | 296              |
|                 |                  |
| New Hampshire   | 255425           |
|                 |                  |
| New Jersey      | 20012            |
|                 |                  |
| New York        | 11376            |
|                 |                  |
| Pennsylvania    | 68-00548         |
|                 |                  |
| Soil Permit     | 525-24-234-08441 |
|                 |                  |
| Texas           | TX-C25-00189     |
|                 |                  |
| Virginia        | 460312           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                       |               |                                                 |                                       |
|---------------------------------------|---------------|-------------------------------------------------|---------------------------------------|
| <b>Order ID :</b> Q3422               | <b>AECO02</b> | <b>Order Date :</b> 10/22/2025 11:11:00 AM      | <b>Project Mgr :</b>                  |
| <b>Client Name :</b> AECOM            |               | <b>Project Name :</b> AE1-CTY 3.2.Z-PR-DOCK     | <b>Report Type :</b> NYS ASP <b>B</b> |
| <b>Client Contact :</b> Rob Forstner  |               | <b>Receive DateTime :</b> 10/21/2025 5:40:00 PM | <b>EDD Type :</b> EQUIS               |
| <b>Invoice Name :</b> AECOM           |               | <b>Purchase Order :</b>                         | <b>Hard Copy Date :</b>               |
| <b>Invoice Contact :</b> Rob Forstner |               |                                                 | <b>Date Signoff :</b>                 |

| LAB ID   | CLIENT ID                             | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD   | FAX DATE     | DUE DATES |
|----------|---------------------------------------|--------|-------------|-------------|---------------|------------|----------|--------------|-----------|
| Q3422-01 | PR132-S15-000008-202510 <sup>21</sup> | Solid  | 10/21/2025  | 09:00       |               |            |          |              |           |
|          |                                       |        |             |             | VOC-TCLVOA-10 |            | 8260D    | 10 Bus. Days |           |
| Q3422-02 | PR132-FB2-20251021                    | Water  | 10/21/2025  | 13:30       |               |            |          |              |           |
|          |                                       |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |

Relinquished By :

Date / Time : 10/22/25 1245

Received By :

Date / Time : 10/22/25 1245

Storage Area : VOA Refridgerator Room